

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY061920\
 Data File : VY002937.D
 Acq On : 19 Jun 2020 14:24
 Operator : SY/MD
 Sample : VSTDICC100
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 6/22/2020 2:06:56 PM

Quant Time: Jun 19 14:49:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y061920S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 19 14:17:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	355435	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	522528	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	486706	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	252777	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	291864	98.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	196.80%	
35) Dibromofluoromethane	7.72	113	293836	98.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	196.50%	
50) Toluene-d8	10.18	98	1186322	101.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	202.10%	
62) 4-Bromofluorobenzene	12.48	95	397280	96.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	192.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	228441	101.294	ug/l	99
3) Chloromethane	2.12	50	252879	97.778	ug/l	99
4) Vinyl Chloride	2.26	62	282379	103.159	ug/l	97
5) Bromomethane	2.65	94	206029	98.338	ug/l	99
6) Chloroethane	2.79	64	187315	105.223	ug/l	99
7) Trichlorofluoromethane	3.13	101	513423	103.229	ug/l	98
8) Diethyl Ether	3.54	74	185065	103.776	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.91	101	308703	102.946	ug/l	99
10) Methyl Iodide	4.10	142	466361	117.336	ug/l	99
11) Tert butyl alcohol	4.97	59	156401	410.945	ug/l	98
12) 1,1-Dichloroethene	3.88	96	307407	103.983	ug/l	99
13) Acrolein	3.74	56	159031	557.562	ug/l	98
14) Allyl chloride	4.49	41	443917	104.287	ug/l	100
15) Acrylonitrile	5.18	53	437035	508.117	ug/l	100
16) Acetone	3.96	43	377623	519.684	ug/l	97
17) Carbon Disulfide	4.20	76	964555	113.364	ug/l	99
18) Methyl Acetate	4.49	43	180599	78.373	ug/l	99
19) Methyl tert-butyl Ether	5.23	73	831378	103.329	ug/l	98
20) Methylene Chloride	4.72	84	341531	63.438	ug/l	95
21) trans-1,2-Dichloroethene	5.23	96	343156	104.488	ug/l	97
22) Diisopropyl ether	6.13	45	881060	100.028	ug/l	100
23) Vinyl Acetate	6.07	43	3011205	545.137	ug/l	100
24) 1,1-Dichloroethane	6.03	63	531952	102.546	ug/l	99
25) 2-Butanone	7.00	43	556235	509.514	ug/l	99
26) 2,2-Dichloropropane	6.99	77	477990	97.020	ug/l	100
27) cis-1,2-Dichloroethene	6.99	96	378846	102.836	ug/l	99
28) Bromochloromethane	7.34	49	221779	102.821	ug/l	100
29) Tetrahydrofuran	7.35	42	359954	511.303	ug/l	100
30) Chloroform	7.52	83	554402	101.972	ug/l	98
31) Cyclohexane	7.79	56	505509	98.671	ug/l	96
32) 1,1,1-Trichloroethane	7.71	97	517589	103.796	ug/l	100
36) 1,1-Dichloropropene	7.92	75	444823	105.056	ug/l	100
37) Ethyl Acetate	7.08	43	236638	99.408	ug/l	100
38) Carbon Tetrachloride	7.91	117	492095	105.759	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	599313	108.570	ug/l	99
40) Benzene	8.17	78	1310160	103.519	ug/l	100
41) Methacrylonitrile	7.33	41	118237m	54.924	ug/l	
42) 1,2-Dichloroethane	8.24	62	360101	102.311	ug/l	99
43) Isopropyl Acetate	8.28	43	455786	104.518	ug/l	100
44) Trichloroethene	8.94	130	402836	102.431	ug/l	97
45) 1,2-Dichloropropane	9.22	63	313280	102.648	ug/l	99
46) Dibromomethane	9.31	93	186284	102.252	ug/l	99
47) Bromodichloromethane	9.50	83	442293	104.964	ug/l	99
48) Methyl methacrylate	9.30	41	208048	107.264	ug/l	98
49) 1,4-Dioxane	9.30	88	56495	2146.503	ug/l	98
51) 4-Methyl-2-Pentanone	10.07	43	1194429	512.745	ug/l	100
52) Toluene	10.25	92	851563	104.091	ug/l	98
53) t-1,3-Dichloropropene	10.47	75	485544	106.373	ug/l	99
54) cis-1,3-Dichloropropene	9.93	75	544651	105.177	ug/l	100
55) 1,1,2-Trichloroethane	10.64	97	275944	101.189	ug/l	99
56) Ethyl methacrylate	10.51	69	386716	107.665	ug/l	99
57) 1,3-Dichloropropane	10.79	76	459505	100.956	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.78	63	955466	531.654	ug/l	100
59) 2-Hexanone	10.83	43	852598	523.724	ug/l	100
60) Dibromochloromethane	10.99	129	357511	103.818	ug/l	100
61) 1,2-Dibromoethane	11.09	107	276841	102.925	ug/l	98
64) Tetrachloroethene	10.72	164	409879	99.469	ug/l	99
65) Chlorobenzene	11.52	112	946151	102.356	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	361515	103.912	ug/l	100
67) Ethyl Benzene	11.59	91	1659512	104.604	ug/l	100
68) m/p-Xylenes	11.70	106	1286343	208.697	ug/l	99
69) o-Xylene	12.03	106	604911	104.103	ug/l	99
70) Styrene	12.04	104	1053667	105.301	ug/l	100
71) Bromoform	12.20	173	242492	104.614	ug/l #	100
73) Isopropylbenzene	12.33	105	1621892	105.111	ug/l	100
74) N-amyl acetate	12.14	43	421967	107.543	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	295888	103.412	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	227608m	63.486	ug/l	
77) Bromobenzene	12.61	156	418760	103.288	ug/l	100
78) n-propylbenzene	12.67	91	1877154	104.563	ug/l	100
79) 2-Chlorotoluene	12.75	91	1043541	103.726	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	1351092	105.020	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	122930	108.721	ug/l	98
82) 4-Chlorotoluene	12.85	91	1093158	102.993	ug/l	100
83) tert-Butylbenzene	13.08	119	1202257	103.756	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	1348837	103.755	ug/l	100
85) sec-Butylbenzene	13.25	105	1609518	101.584	ug/l	100
86) p-Isopropyltoluene	13.37	119	1528173	103.225	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	780004	101.306	ug/l	100
88) 1,4-Dichlorobenzene	13.44	146	781575	101.225	ug/l	99
89) n-Butylbenzene	13.69	91	1375299	102.344	ug/l	100
90) Hexachloroethane	13.96	117	287522	105.027	ug/l	98
91) 1,2-Dichlorobenzene	13.73	146	707101	100.699	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	54680	101.901	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	528948	100.532	ug/l	99
94) Hexachlorobutadiene	15.11	225	299178	97.280	ug/l	100
95) Naphthalene	15.23	128	1088465	105.813	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	473220	100.947	ug/l	100

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

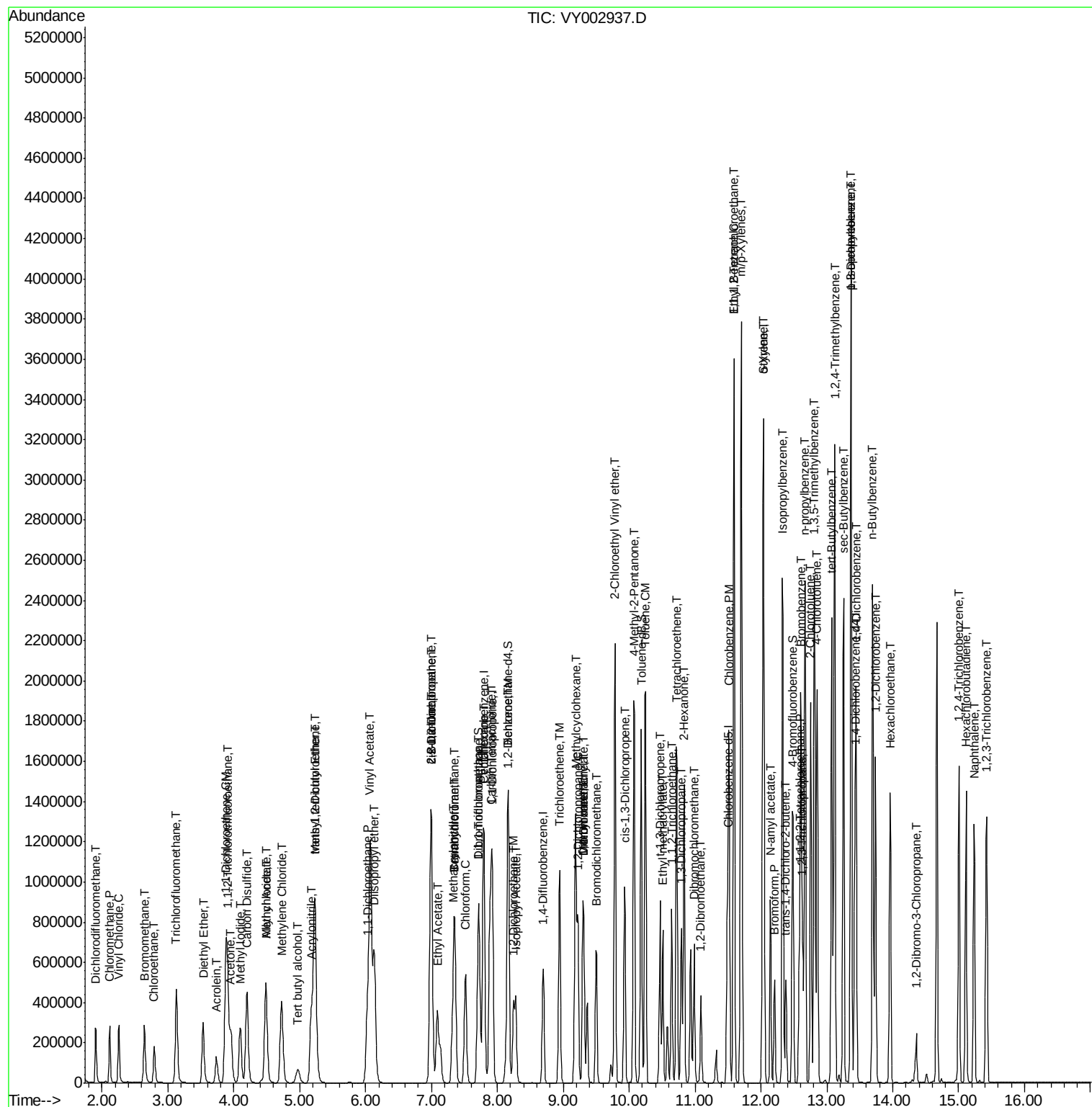
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY061920\
 Data File : VY002937.D
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 Operator : SY/MD
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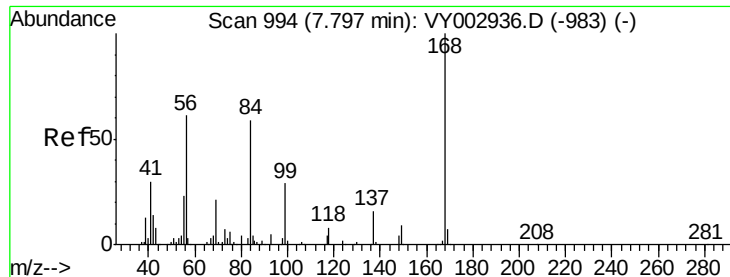
Instrument :
 MSVOA_Y
 ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.00 min

Lab File: VY002937.D

Acq: 19 Jun 2020 14:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 355435

Ion Ratio Lower Upper

168 100

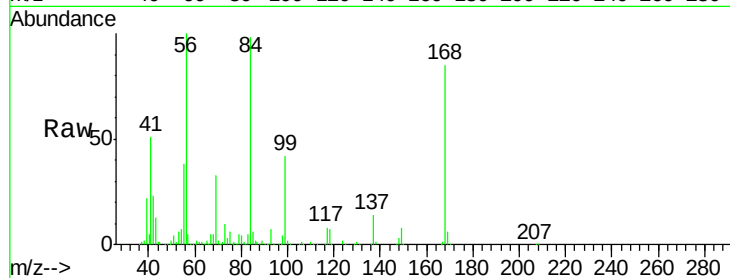
99 49.2 39.5 59.3

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VY002937.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY002937.D (-945) (-)

7.80

150000

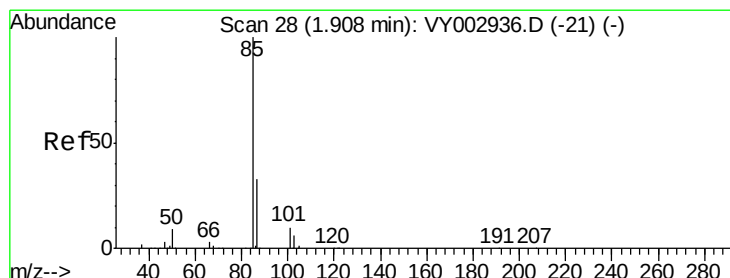
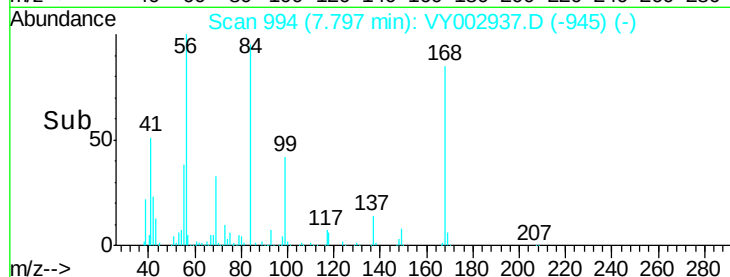
100000

50000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 101.294 ug/l

RT: 1.90 min Scan# 27

Delta R.T. -0.01 min

Lab File: VY002937.D

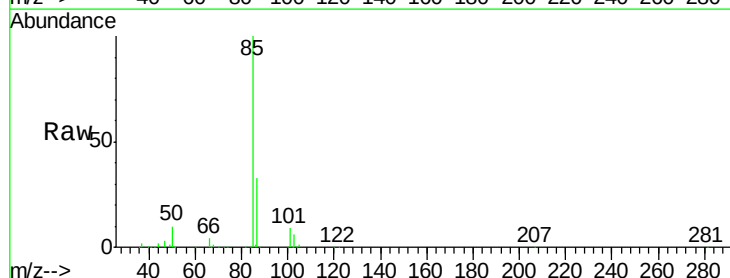
Acq: 19 Jun 2020 14:24

Tgt Ion: 85 Resp: 228441

Ion Ratio Lower Upper

85 100

87 33.2 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VY002937.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VY002937.D (-1) (-)

1.90

150000

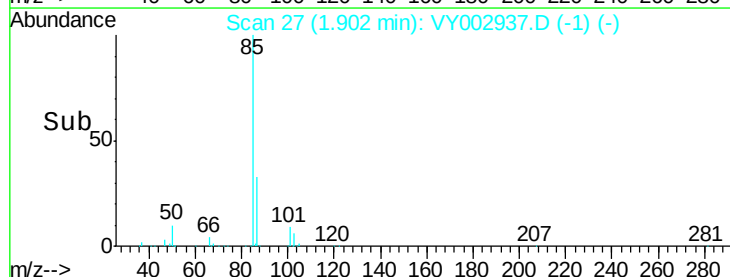
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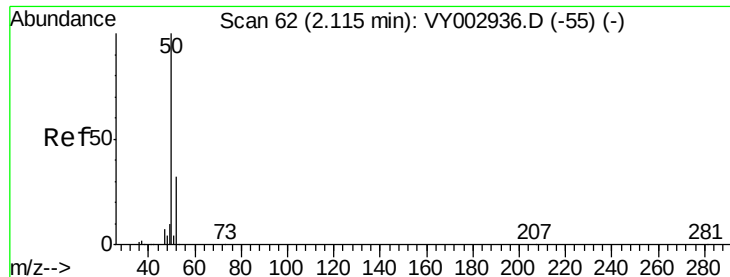
50000

0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 97.778 ug/l

RT: 2.12 min Scan# 62

Delta R.T. 0.00 min

Lab File: VY002937.D

Acq: 19 Jun 2020 14:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tot Ion: 50 Resp: 252879

Ion Ratio Lower Upper

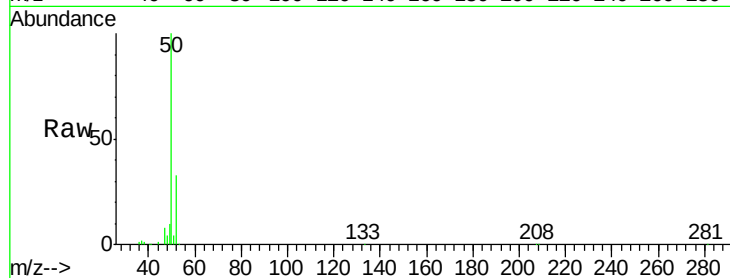
50 100

52 32.8 25.8 38.6

Manual Integrations
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Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0

2.12

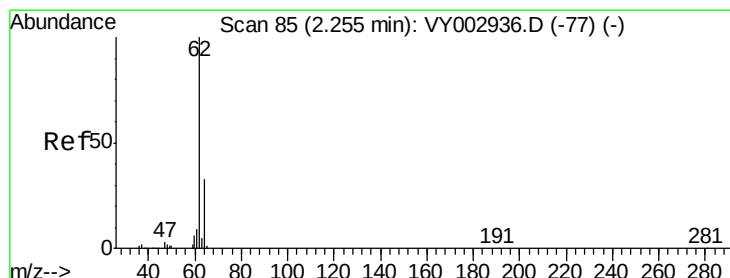
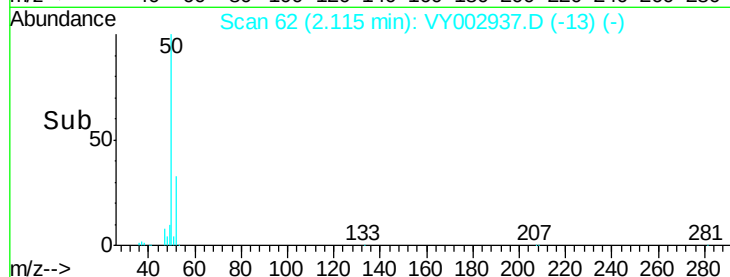
150000

100000

50000

0

Time--> 2.00 2.10 2.20



#4

Vinyl Chloride

Concen: 103.159 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.00 min

Lab File: VY002937.D

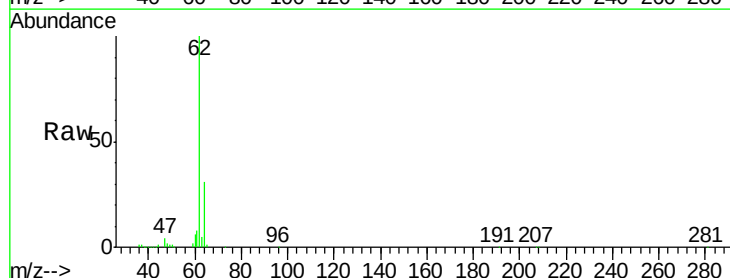
Acq: 19 Jun 2020 14:24

Tgt Ion: 62 Resp: 282379

Ion Ratio Lower Upper

62 100

64 31.4 26.3 39.5



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0

2.26

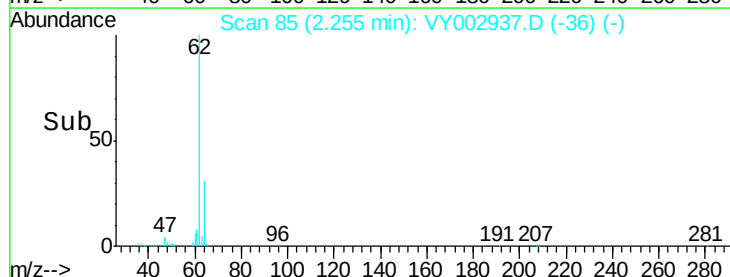
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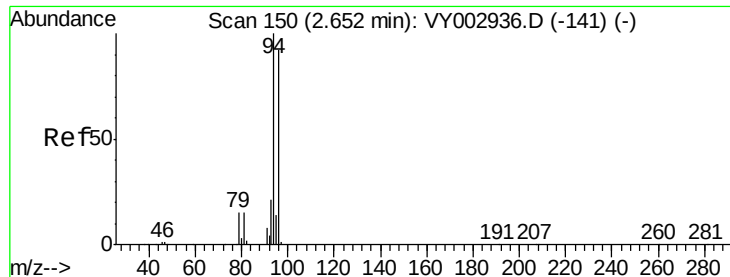
100000

50000

0

Time--> 2.20 2.30 2.40





#5

Bromomethane

Concen: 98.338 ug/l

RT: 2.65 min Scan# 149

Delta R.T. -0.01 min

Lab File: VY002937.D

Acq: 19 Jun 2020 14:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tot Ion: 94 Resp: 206029

Ion Ratio Lower Upper

94 100

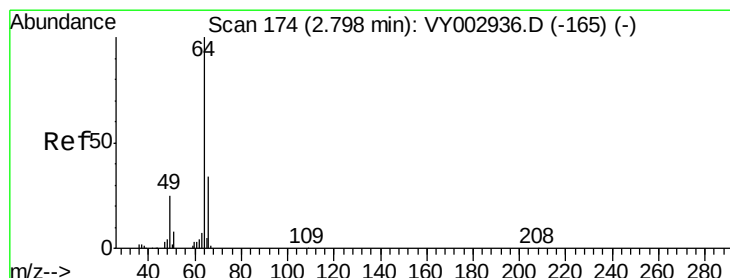
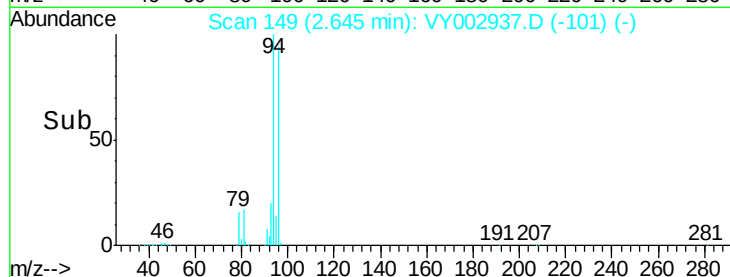
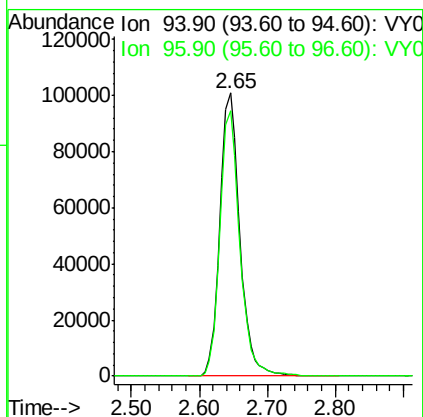
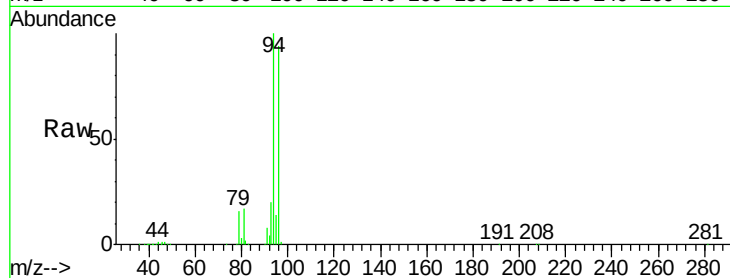
96 93.5 73.7 110.5

Manual Integrations

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#6

Chloroethane

Concen: 105.223 ug/l

RT: 2.79 min Scan# 173

Delta R.T. -0.01 min

Lab File: VY002937.D

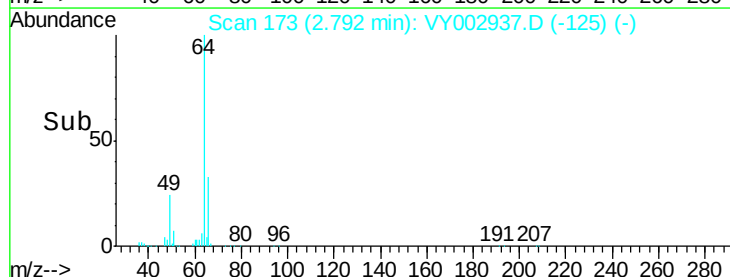
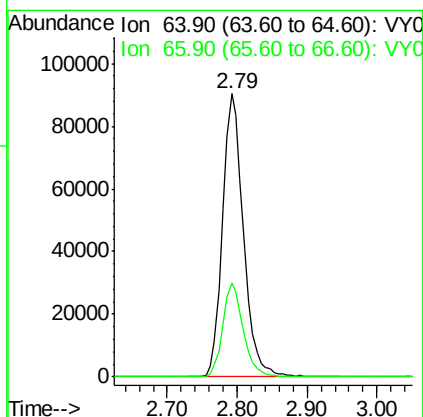
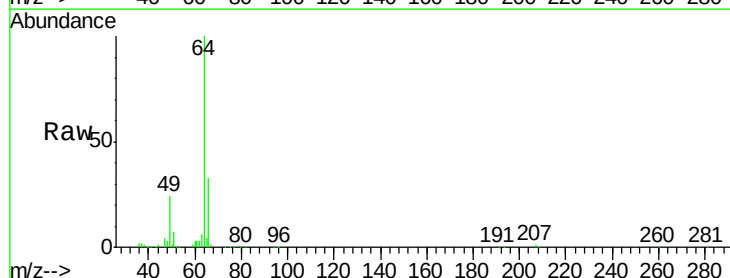
Acq: 19 Jun 2020 14:24

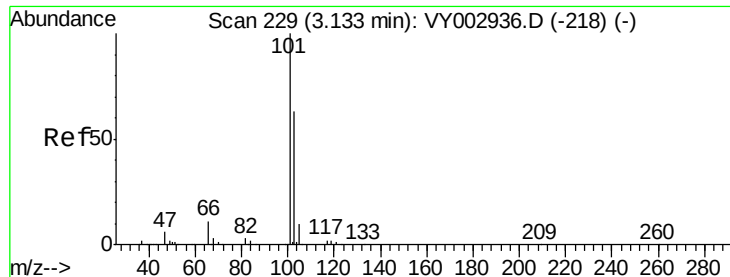
Tgt Ion: 64 Resp: 187315

Ion Ratio Lower Upper

64 100

66 33.2 27.0 40.6





#7

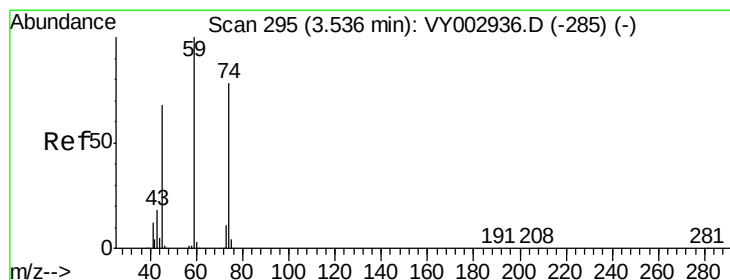
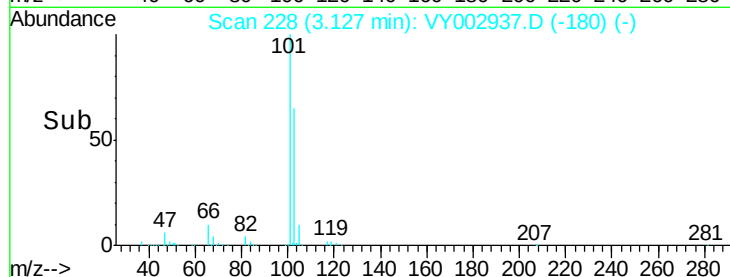
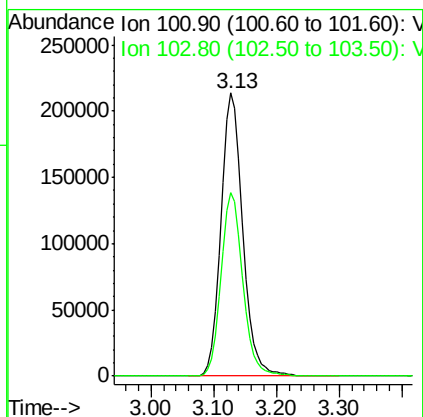
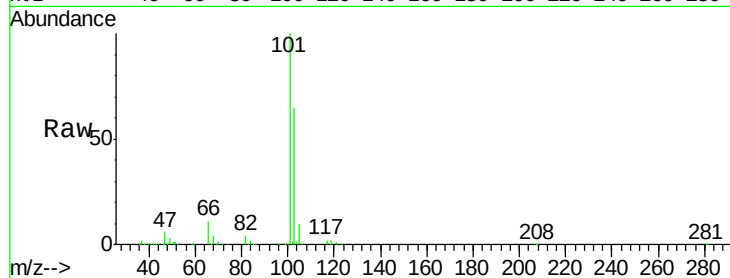
Trichlorofluoromethane
Concen: 103.229 ug/l
RT: 3.13 min Scan# 228
Delta R.T. -0.01 min
Lab File: VY002937.D
Acq: 19 Jun 2020 14:24

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MSVOA_Y
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.7	50.6	76.0

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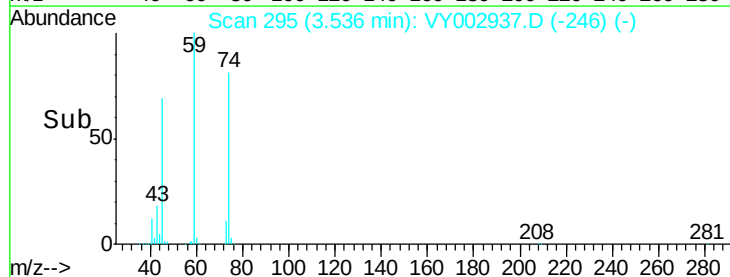
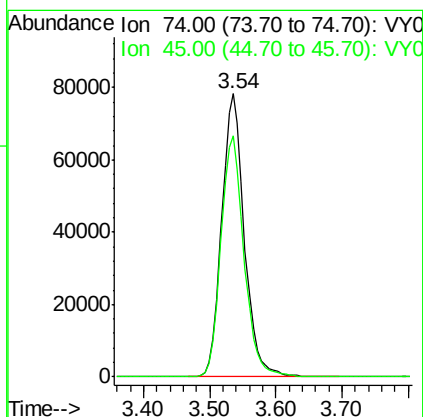
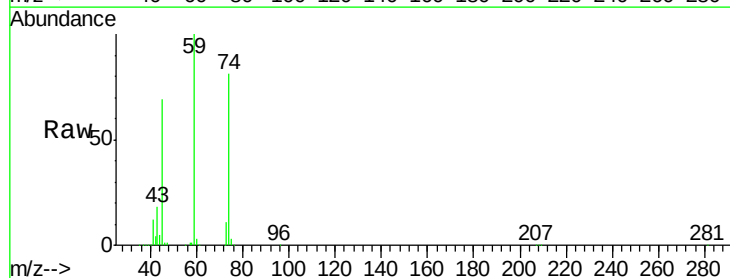
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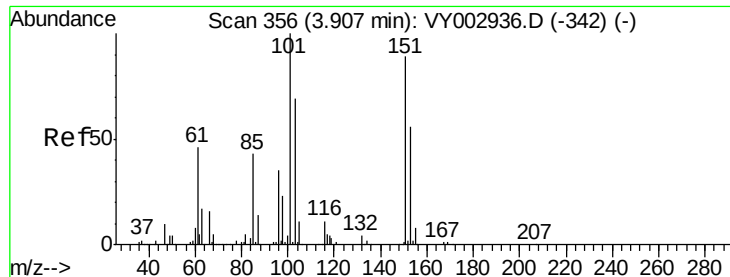


#8

Diethyl Ether
Concen: 103.776 ug/l
RT: 3.54 min Scan# 295
Delta R.T. 0.00 min
Lab File: VY002937.D
Acq: 19 Jun 2020 14:24

Tgt Ion	Ratio	Lower	Upper
74	100		
45	86.8	43.7	131.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 102.946 ug/l

RT: 3.91 min Scan# 356

Delta R.T. 0.00 min

Lab File: VY002937.D

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Instrument :

MSVOA_Y

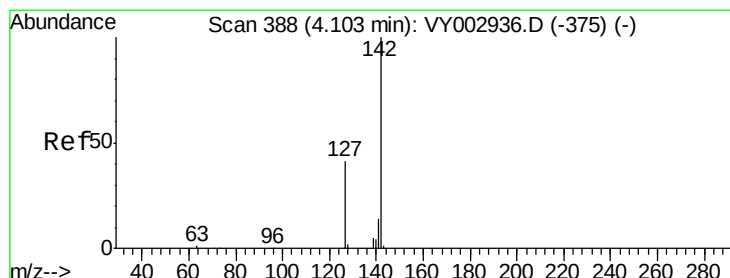
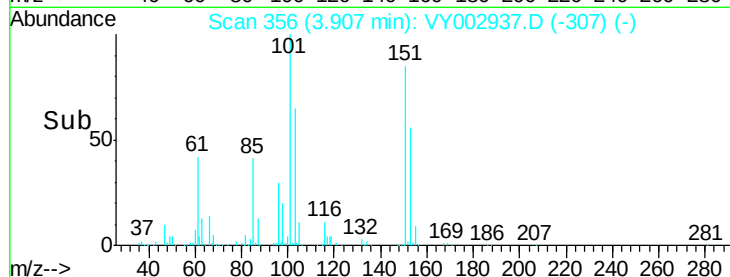
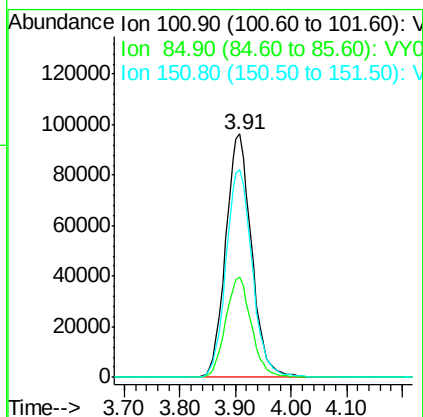
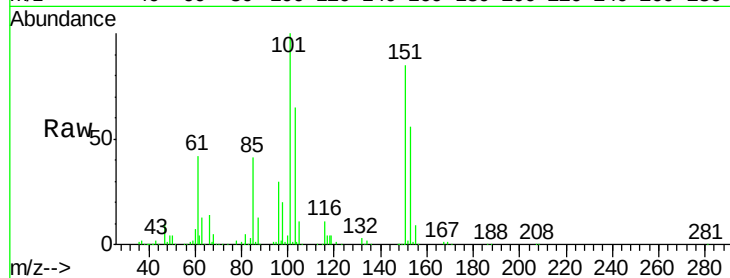
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	308703
Ion Ratio	Lower	Upper	
101	100		
85	41.0	33.6	50.4
151	86.7	70.4	105.6

Manual Integrations
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MMDadoda
6/22/2020 2:06:56 PM



#10

Methyl Iodide

Concen: 117.336 ug/l

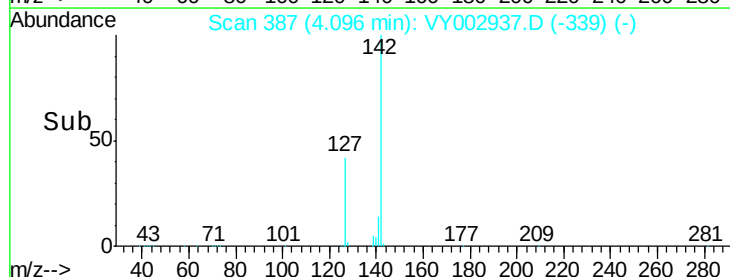
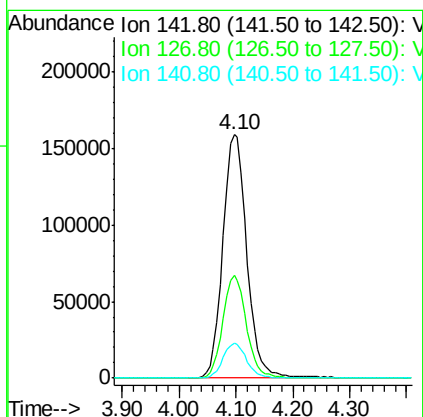
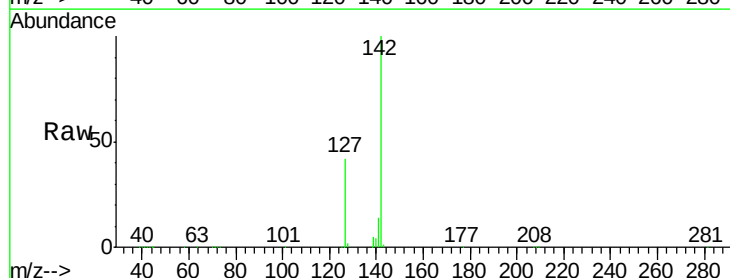
RT: 4.10 min Scan# 387

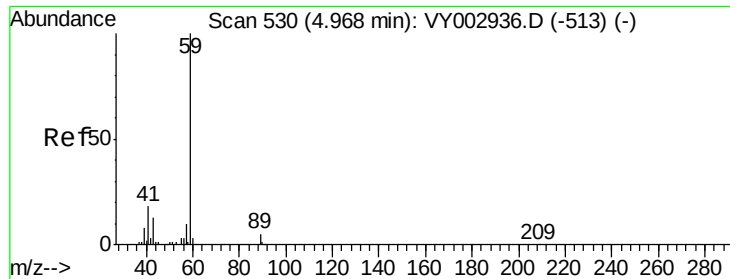
Delta R.T. -0.01 min

Lab File: VY002937.D

Acq: 19 Jun 2020 14:24

Tgt Ion:	142	Resp:	466361
Ion Ratio	Lower	Upper	
142	100		
127	41.7	32.9	49.3
141	14.3	11.3	16.9





#11

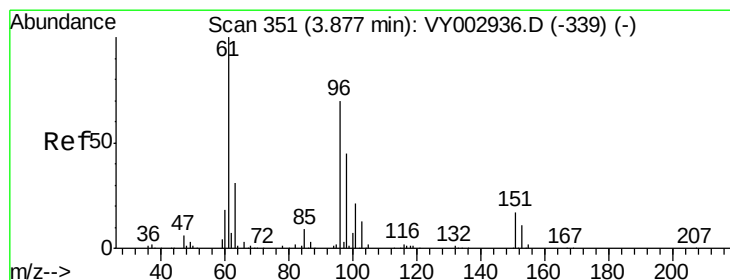
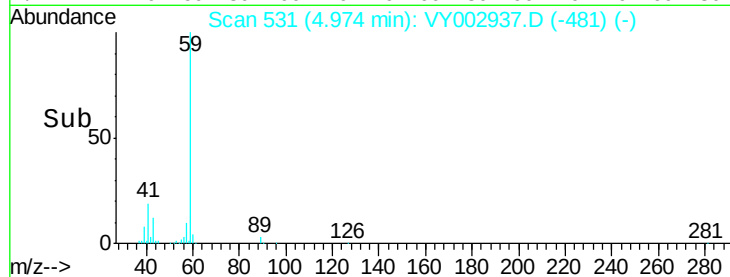
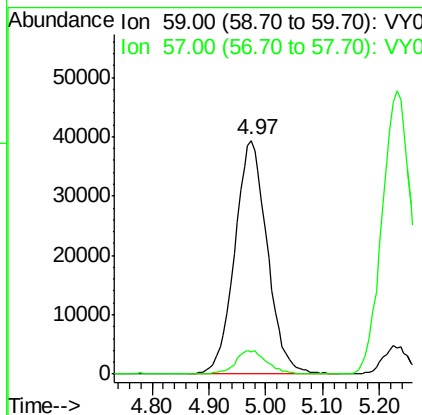
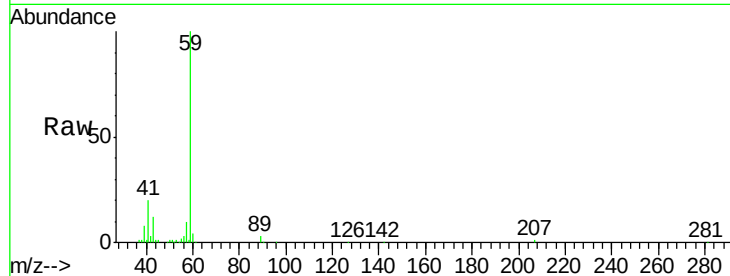
Tert butyl alcohol
 Concen: 410.945 ug/l
 RT: 4.97 min Scan# 531
 Delta R.T. 0.01 min
 Lab File: VY002937.D
 Acq: 19 Jun 2020 14:24

Instrument :
 MSVOA_Y
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	7.4	11.2

Manual Integrations
 APPROVED

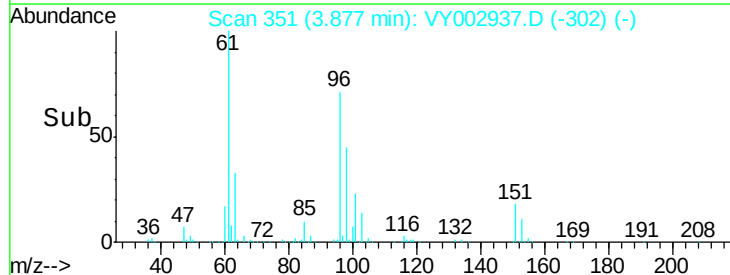
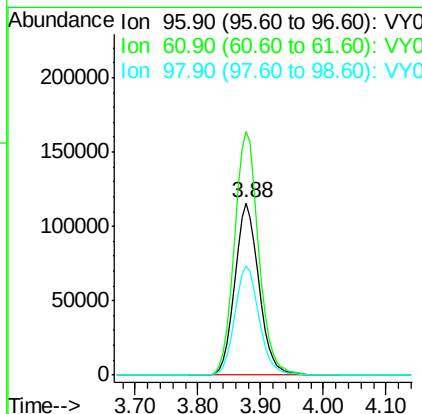
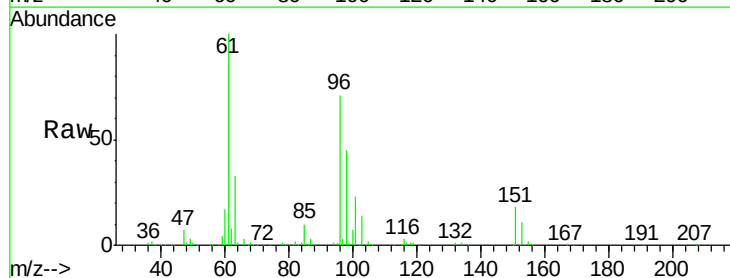
MMDadoda
 6/22/2020 2:06:56 PM

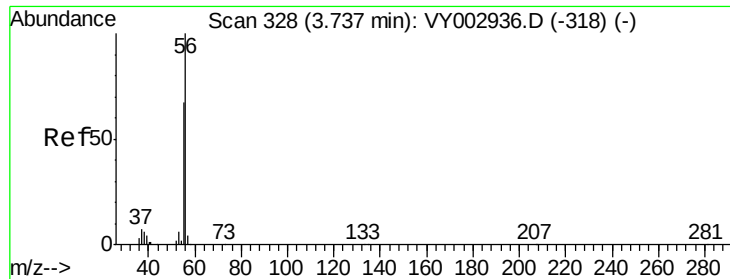


#12

1,1-Dichloroethene
 Concen: 103.983 ug/l
 RT: 3.88 min Scan# 351
 Delta R.T. 0.00 min
 Lab File: VY002937.D
 Acq: 19 Jun 2020 14:24

Tgt Ion	Ratio	Lower	Upper
96	100		
61	141.5	114.6	172.0
98	63.8	51.4	77.0





#13

Acrolein

Concen: 557.562 ug/l

RT: 3.74 min Scan# 328

Delta R.T. 0.00 min

Lab File: VY002937.D

Acq: 19 Jun 2020 14:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tot Ion: 56 Resp: 159031

Ion Ratio Lower Upper

56 100

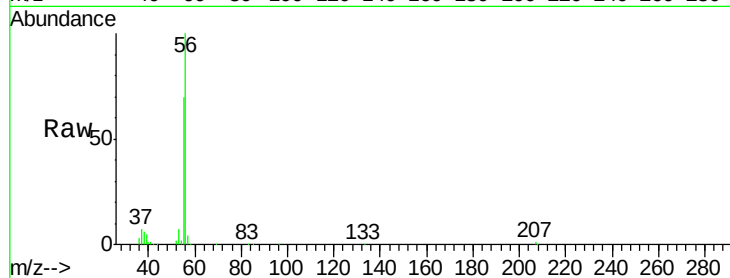
55 70.8 55.3 82.9

Manual Integrations

APPROVED

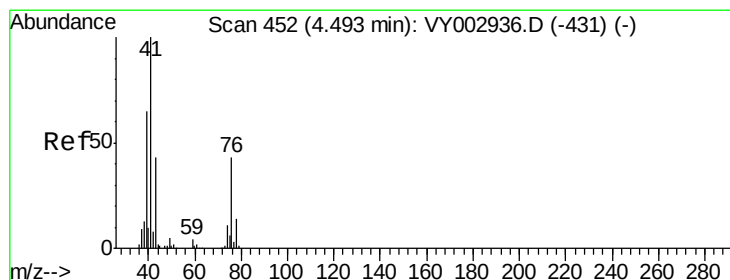
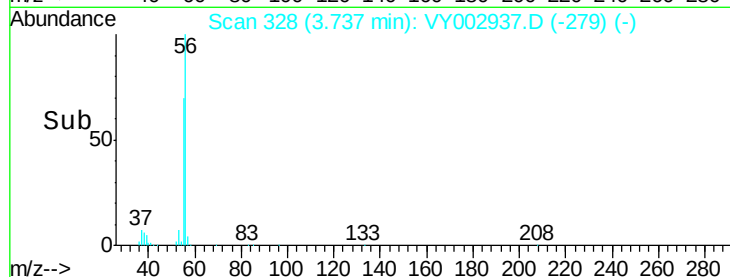
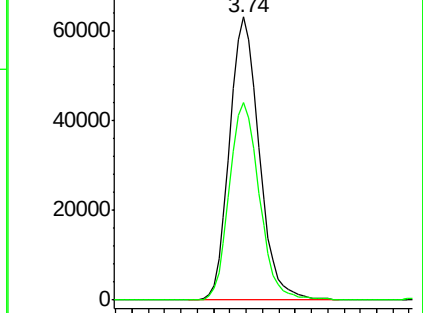
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0



#14

Allyl chloride

Concen: 104.287 ug/l

RT: 4.49 min Scan# 451

Delta R.T. -0.01 min

Lab File: VY002937.D

Acq: 19 Jun 2020 14:24

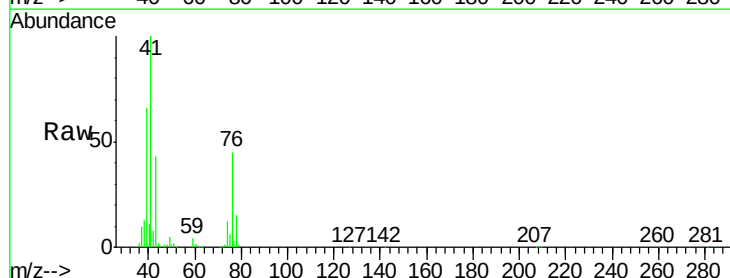
Tgt Ion: 41 Resp: 443917

Ion Ratio Lower Upper

41 100

39 62.9 50.0 75.0

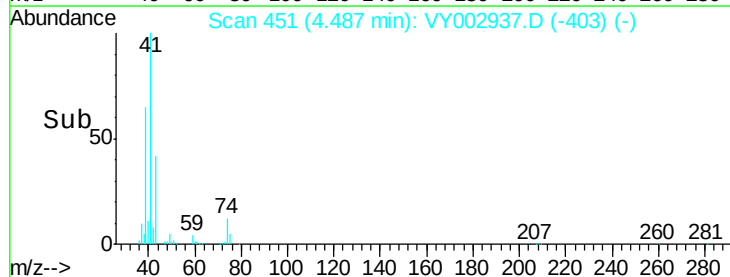
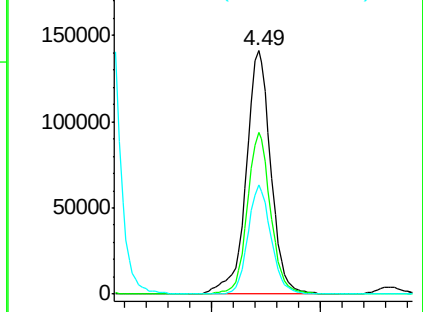
76 41.7 33.3 49.9

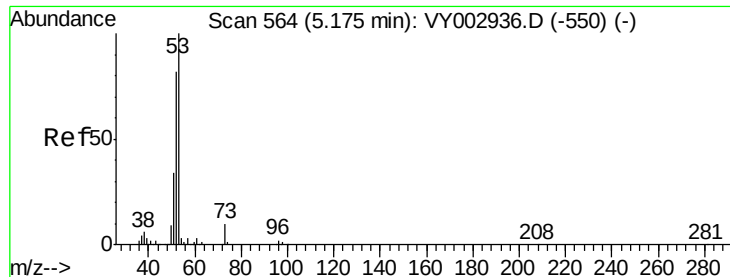


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 75.90 (75.60 to 76.60): VY0





#15

Acrylonitrile

Concen: 508.117 ug/l

RT: 5.18 min Scan# 564

Delta R.T. 0.00 min

Lab File: VY002937.D

Acq: 19 Jun 2020 14:24

Instrument :

MSVOA_Y

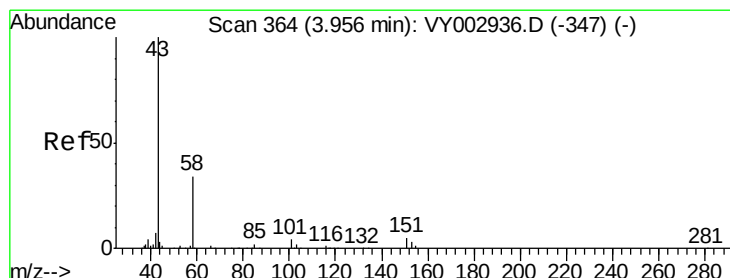
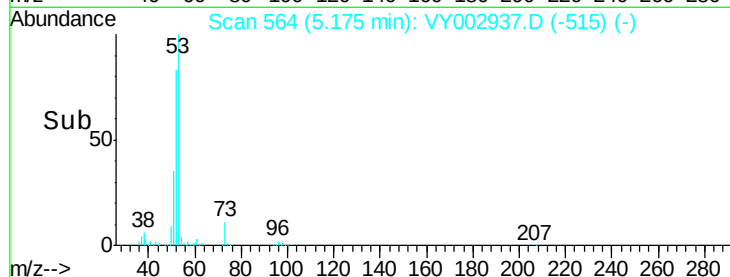
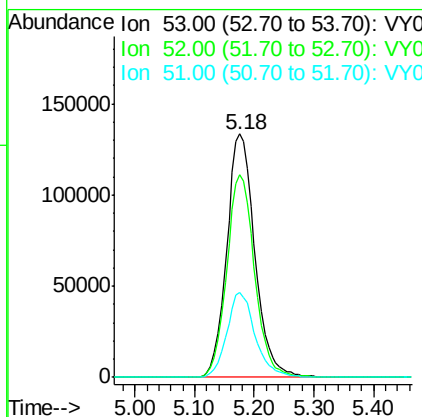
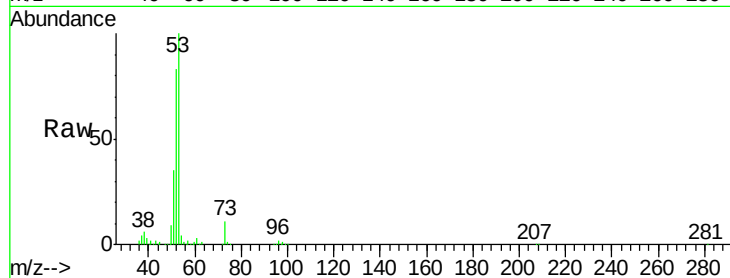
ClientSampleId :

VSTDIC100

Tot Ion:	53	Resp:	437035
Ion Ratio	Lower	Upper	
53	100		
52	82.3	65.7	98.5
51	35.2	28.1	42.1

Manual Integrations
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#16

Acetone

Concen: 519.684 ug/l

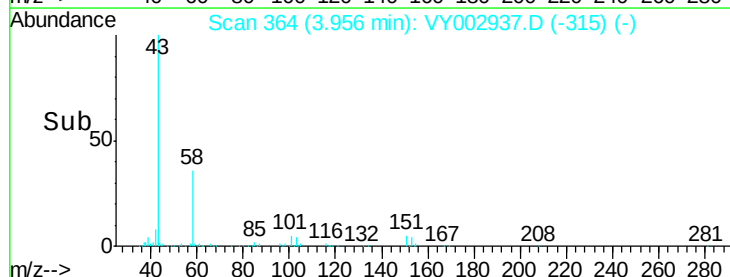
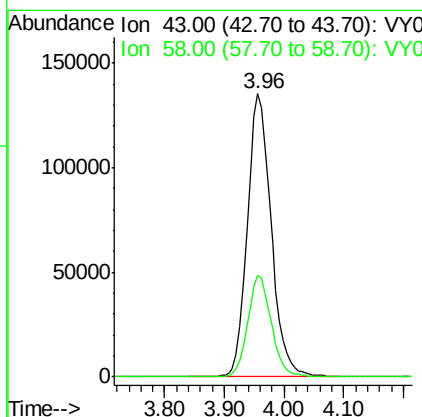
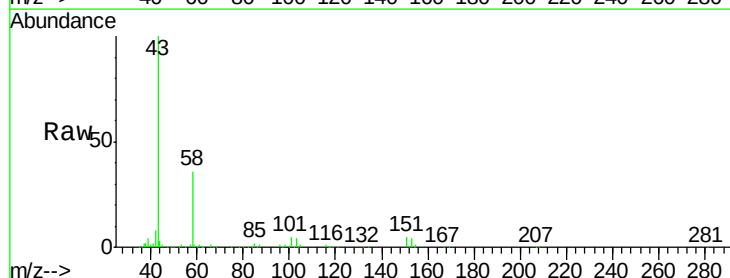
RT: 3.96 min Scan# 364

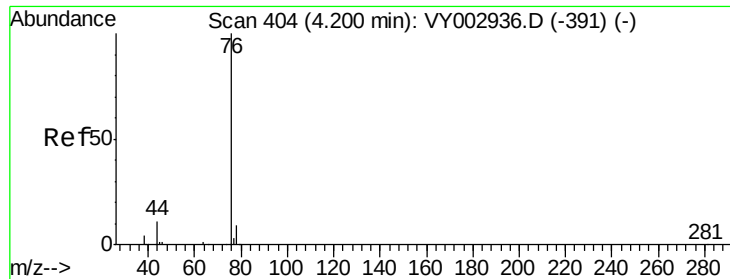
Delta R.T. 0.00 min

Lab File: VY002937.D

Acq: 19 Jun 2020 14:24

Tgt Ion:	43	Resp:	377623
Ion Ratio	Lower	Upper	
43	100		
58	35.7	27.3	40.9





#17

Carbon Disulfide

Concen: 113.364 ug/l

RT: 4.20 min Scan# 404

Delta R.T. 0.00 min

Lab File: VY002937.D

Acq: 19 Jun 2020 14:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 964555

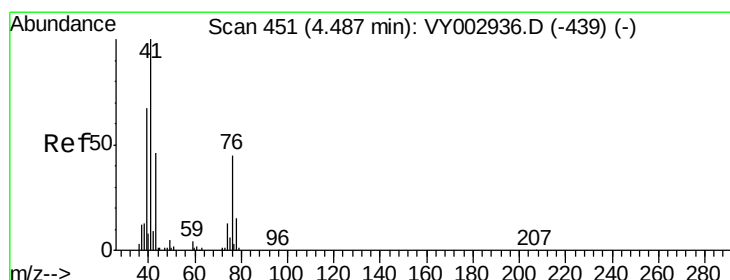
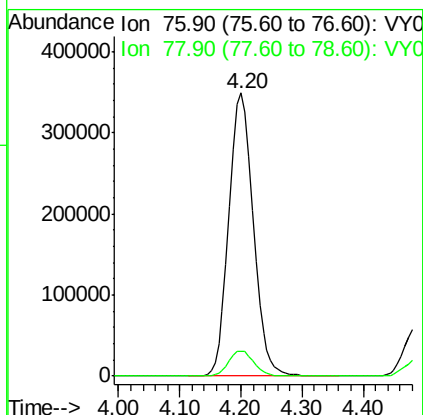
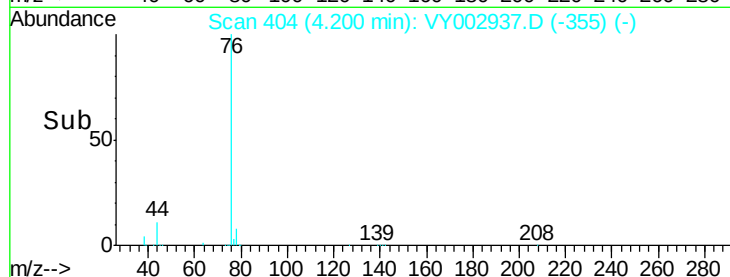
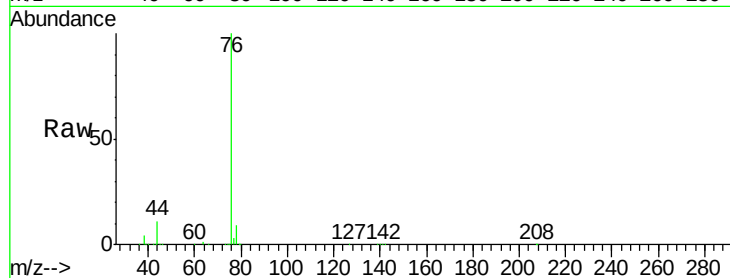
Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.2

Manual Integrations
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#18

Methyl Acetate

Concen: 78.373 ug/l

RT: 4.49 min Scan# 451

Delta R.T. 0.00 min

Lab File: VY002937.D

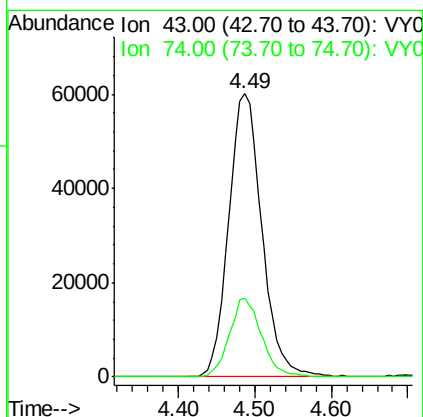
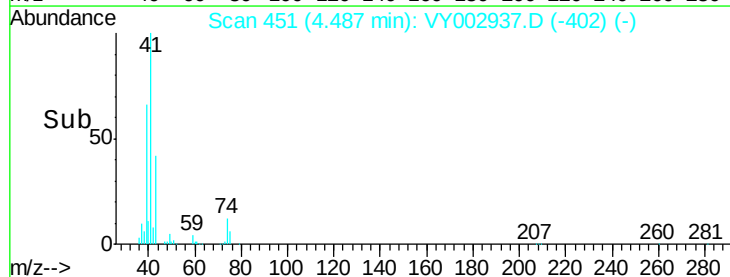
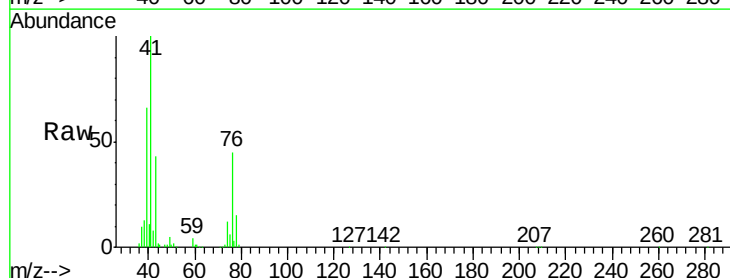
Acq: 19 Jun 2020 14:24

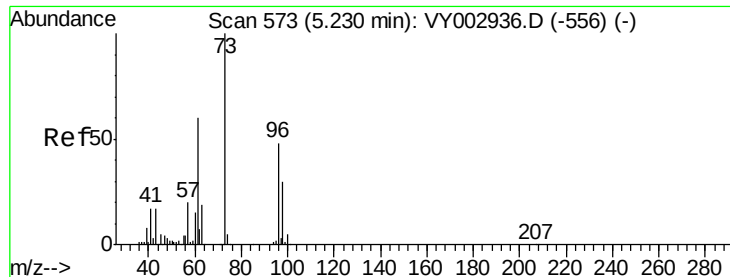
Tgt Ion: 43 Resp: 180599

Ion Ratio Lower Upper

43 100

74 27.0 21.1 31.7





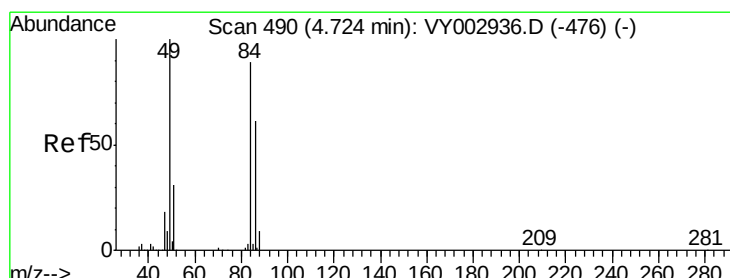
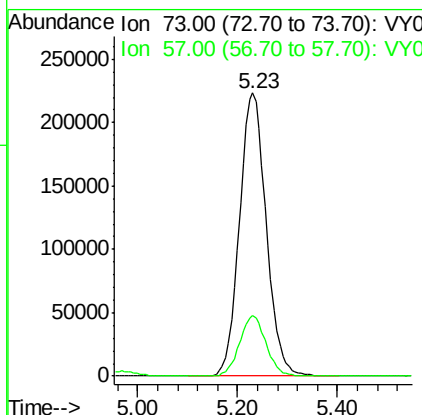
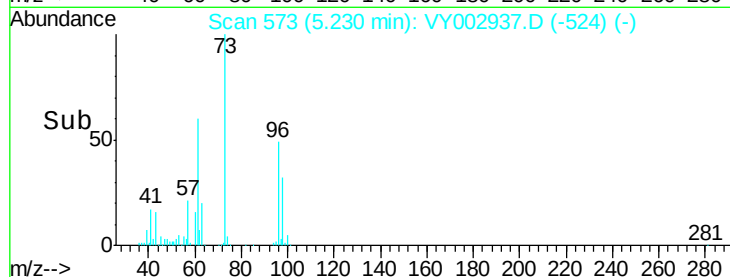
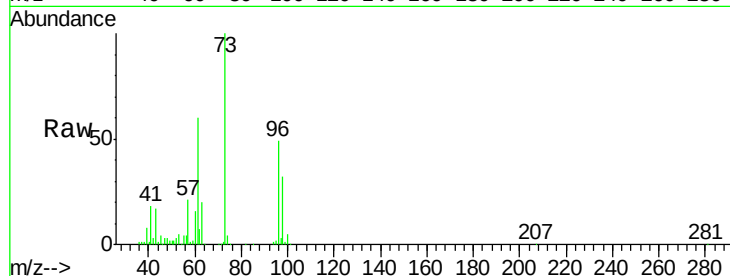
#19
Methyl tert-butyl Ether
Concen: 103.329 ug/l
RT: 5.23 min Scan# 573
Delta R.T. 0.00 min
Lab File: VY002937.D
Acq: 19 Jun 2020 14:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.4	16.4	24.6

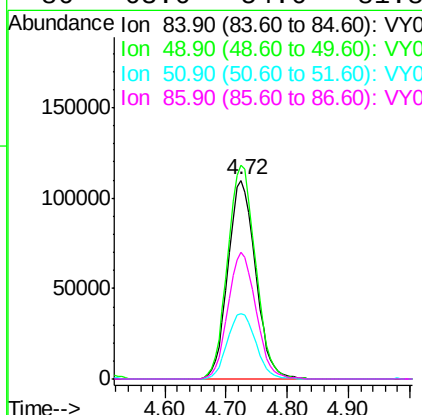
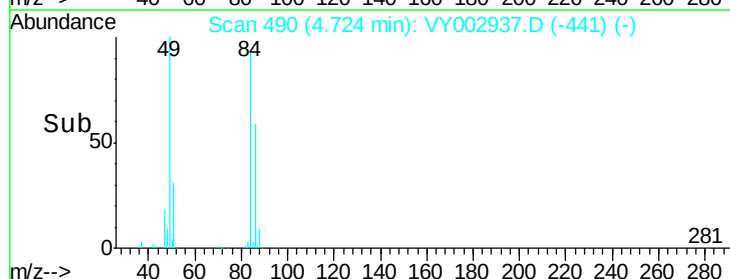
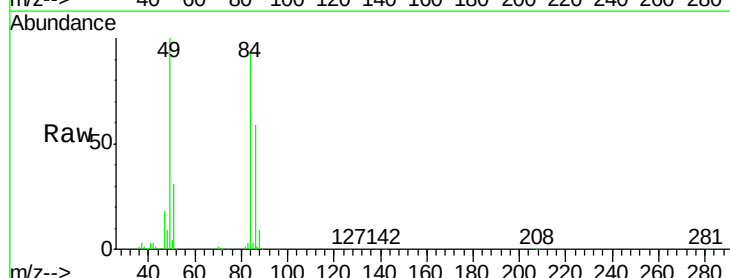
Manual Integrations
APPROVED

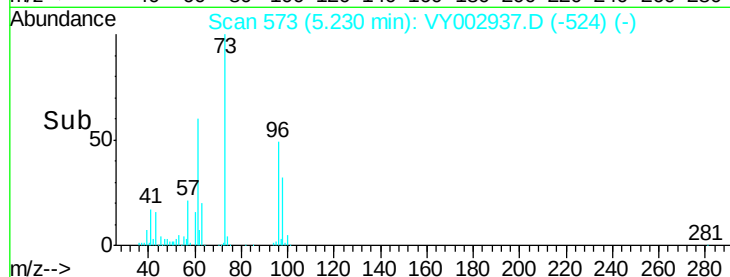
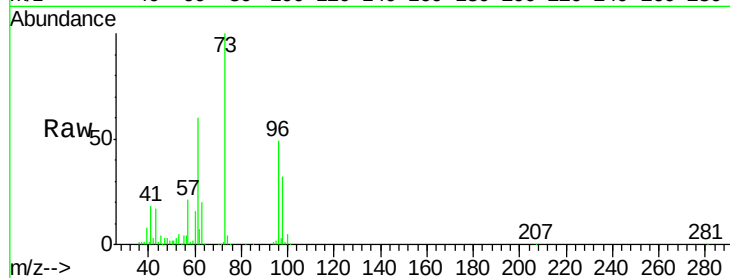
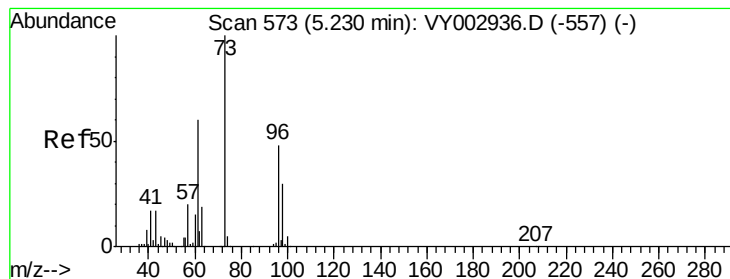
MMDadoda
6/22/2020 2:06:56 PM



#20
Methylene Chloride
Concen: 63.438 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY002937.D
Acq: 19 Jun 2020 14:24

Tgt Ion	Ratio	Lower	Upper
84	100		
49	107.3	90.0	135.0
51	32.8	27.9	41.9
86	63.6	54.6	81.8





#21

trans-1,2-Dichloroethene

Concen: 104.488 ug/l

RT: 5.23 min Scan# 573

Delta R.T. 0.00 min

Lab File: VY002937.D

Acq: 19 Jun 2020 14:24

Tot Ion:	96	Resp:	343156
Ion	Ratio	Lower	Upper
96	100		
61	122.3	100.6	150.8
98	65.2	49.8	74.8

Instrument :

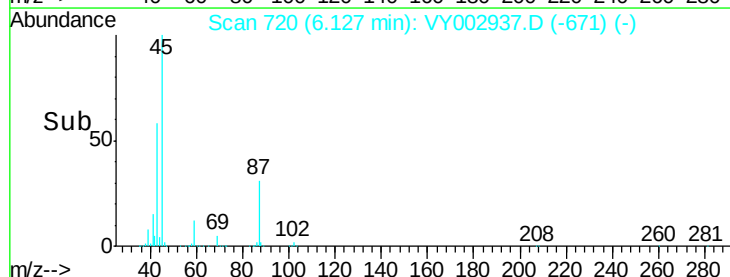
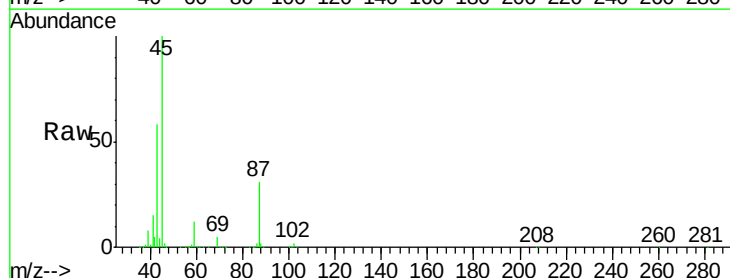
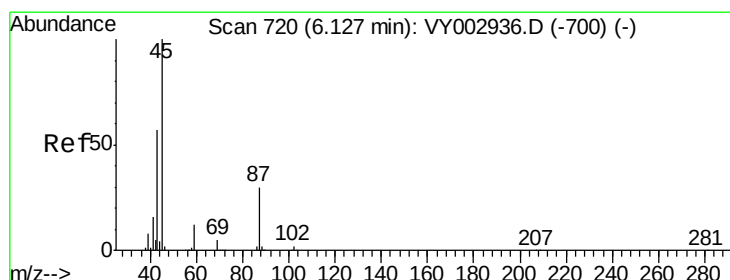
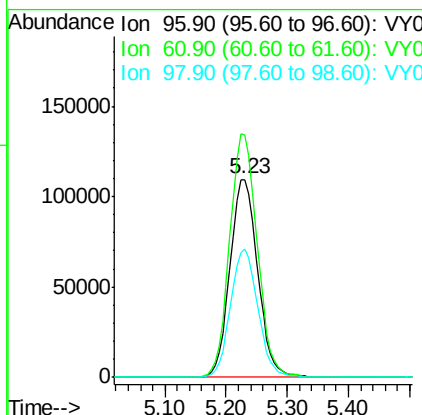
MSVOA_Y

ClientSampleId :

VSTDICC100

Manual Integrations
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#22

Diisopropyl ether

Concen: 100.028 ug/l

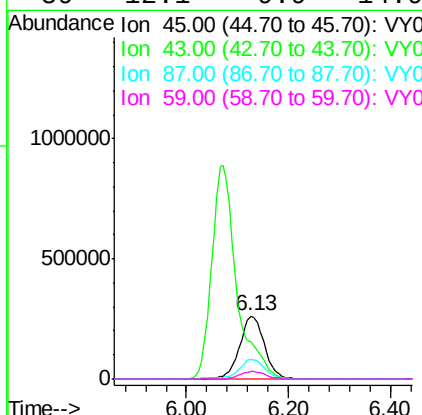
RT: 6.13 min Scan# 720

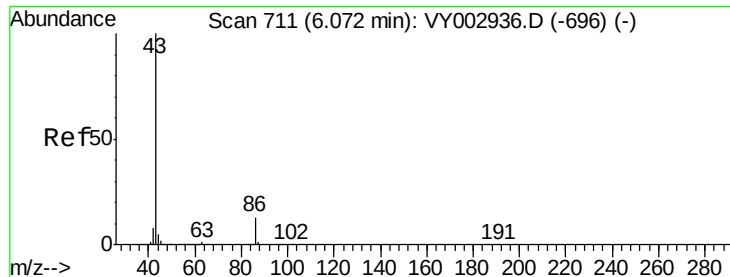
Delta R.T. 0.00 min

Lab File: VY002937.D

Acq: 19 Jun 2020 14:24

Tgt Ion:	45	Resp:	881060
Ion	Ratio	Lower	Upper
45	100		
43	58.0	46.2	69.2
87	31.5	24.9	37.3
59	12.1	9.9	14.9





#23

Vinyl Acetate

Concen: 545.137 ug/l

RT: 6.07 min Scan# 711

Delta R.T. 0.00 min

Lab File: VY002937.D

Acq: 19 Jun 2020 14:24

Tot Ion: 43 Resp: 3011205

Ion Ratio Lower Upper

43 100

86 13.1 10.6 15.8

Instrument :

MSVOA_Y

ClientSampleId :

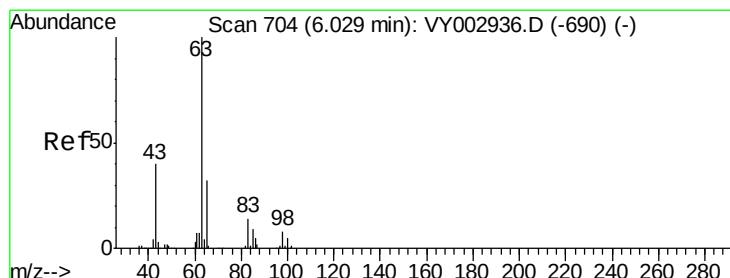
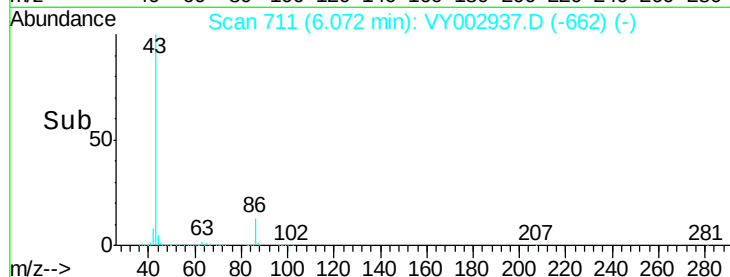
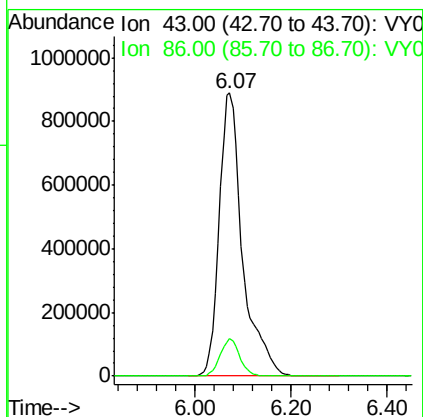
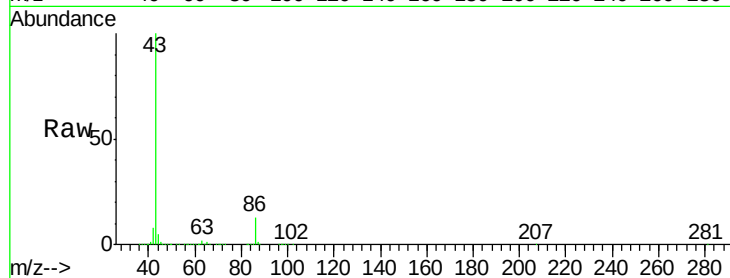
VSTDIC100

Manual Integrations

APPROVED

MMDadoda

6/22/2020 2:06:56 PM



#24

1,1-Dichloroethane

Concen: 102.546 ug/l

RT: 6.03 min Scan# 704

Delta R.T. 0.00 min

Lab File: VY002937.D

Acq: 19 Jun 2020 14:24

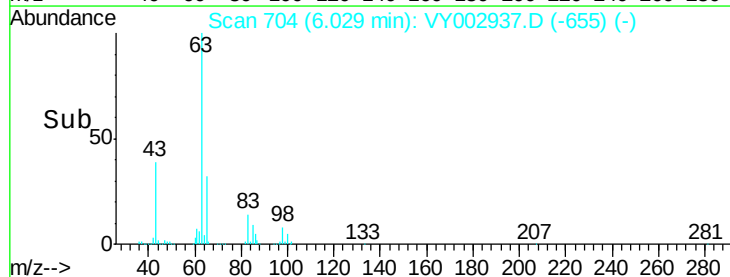
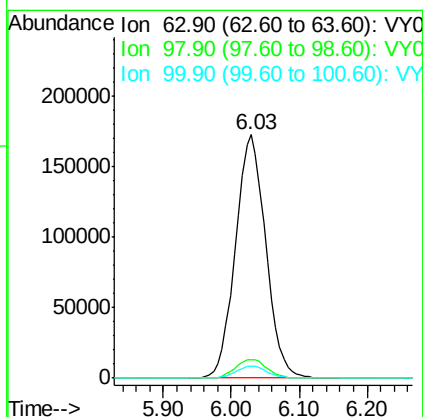
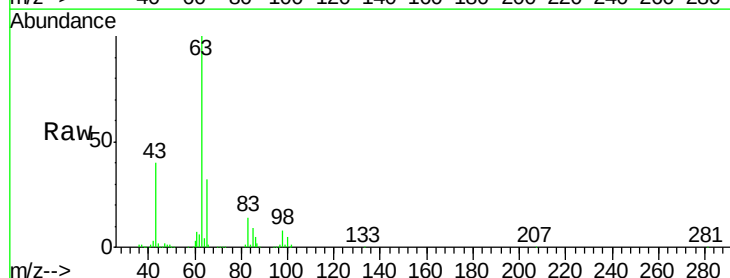
Tgt Ion: 63 Resp: 531952

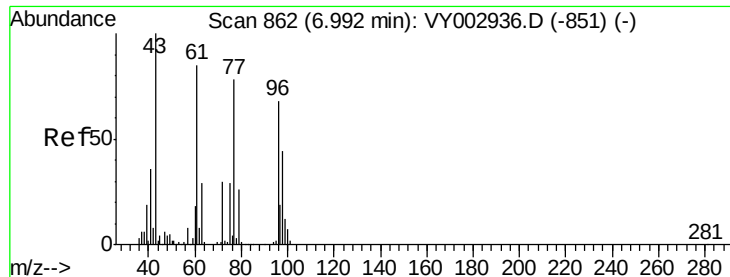
Ion Ratio Lower Upper

63 100

98 7.6 4.0 12.0

100 5.1 2.5 7.6





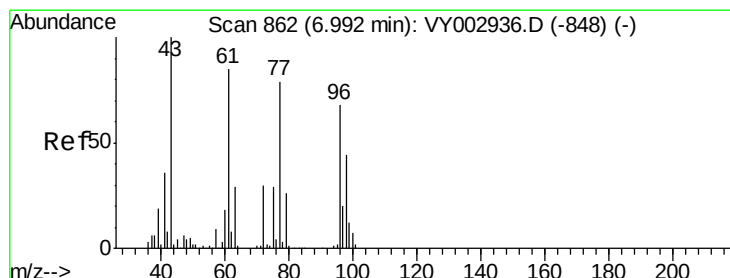
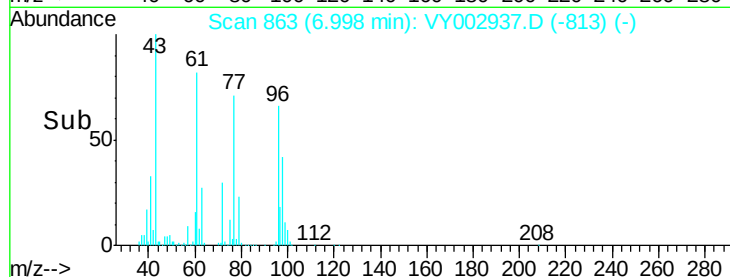
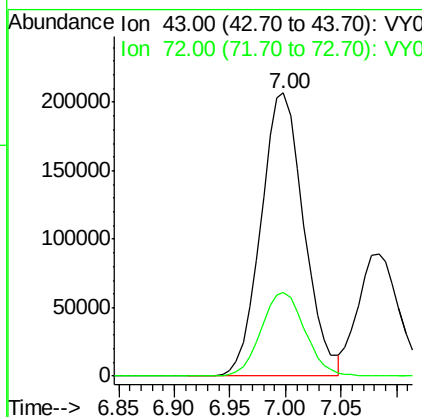
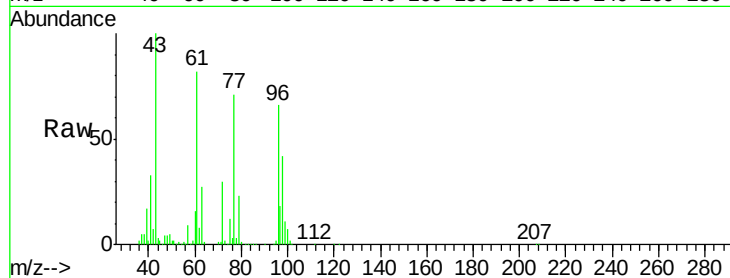
#25
2-Butanone
Concen: 509.514 ug/l
RT: 7.00 min Scan# 863
Delta R.T. 0.01 min
Lab File: VY002937.D
Acq: 19 Jun 2020 14:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 556235
Ion Ratio Lower Upper
43 100
72 29.6 24.2 36.4

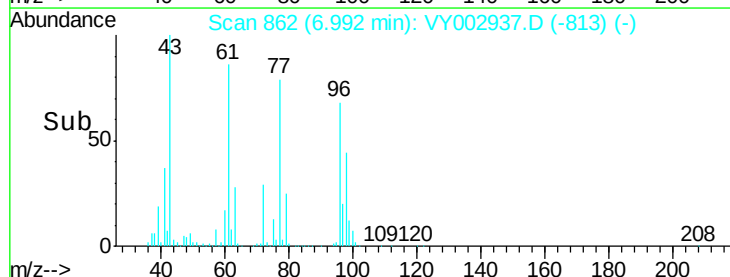
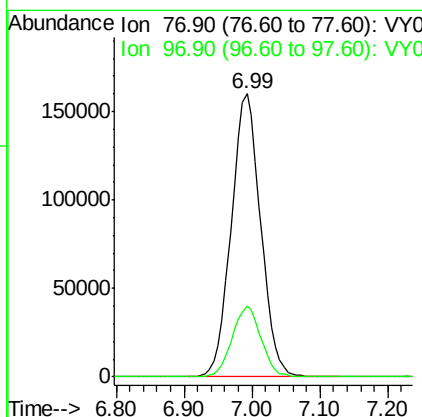
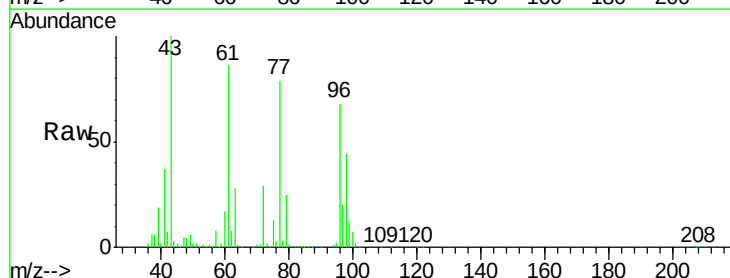
Manual Integrations
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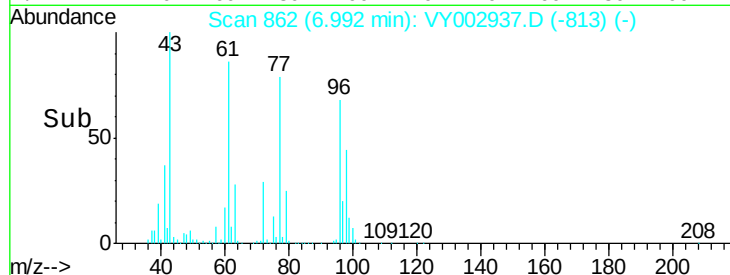
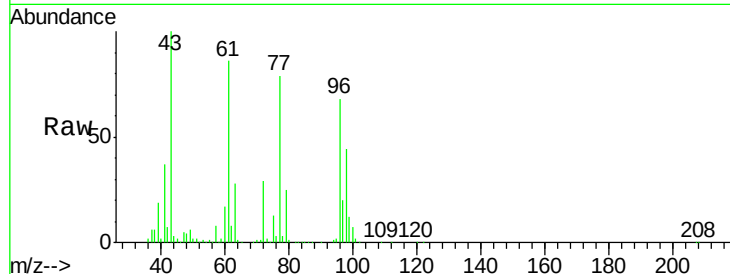
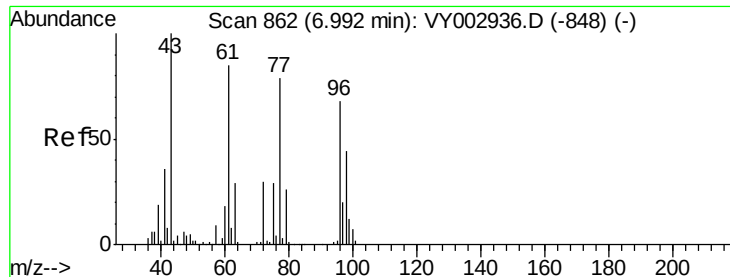
MMDadoda
6/22/2020 2:06:56 PM



#26
2,2-Dichloropropane
Concen: 97.020 ug/l
RT: 6.99 min Scan# 862
Delta R.T. 0.00 min
Lab File: VY002937.D
Acq: 19 Jun 2020 14:24

Tgt Ion: 77 Resp: 477990
Ion Ratio Lower Upper
77 100
97 24.7 12.3 36.9





#27

cis-1,2-Dichloroethene

Concen: 102.836 ug/l

RT: 6.99 min Scan# 862

Delta R.T. 0.00 min

Lab File: VY002937.D

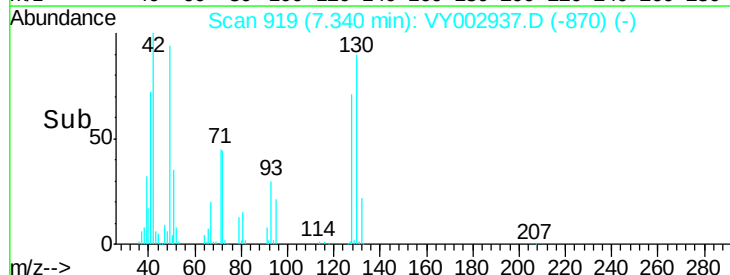
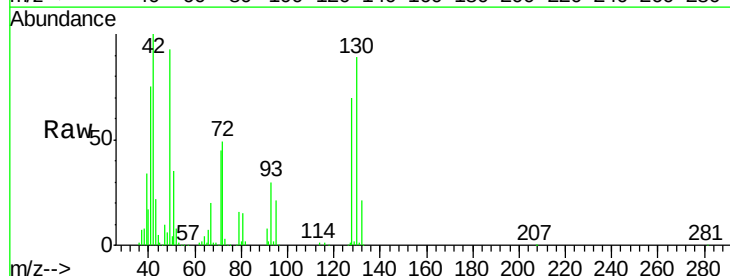
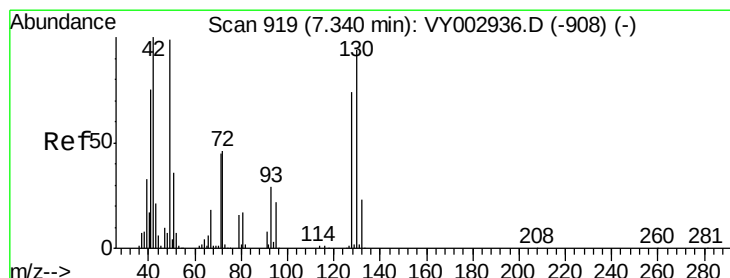
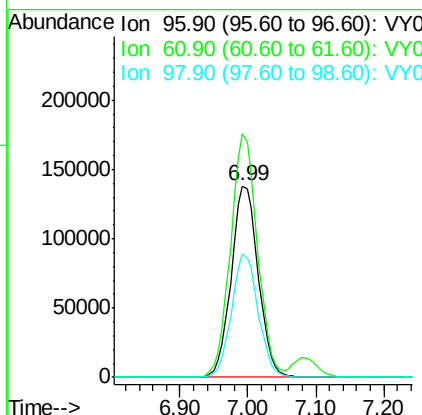
Acq: 19 Jun 2020 14:24

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	126.9	0.0	257.0	
98	64.0	0.0	129.8	

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Manual Integrations
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6/22/2020 2:06:56 PM



#28

Bromochloromethane

Concen: 102.821 ug/l

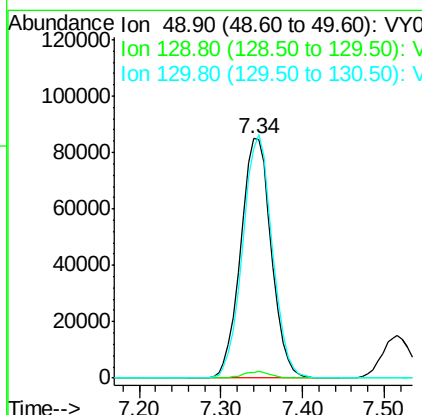
RT: 7.34 min Scan# 919

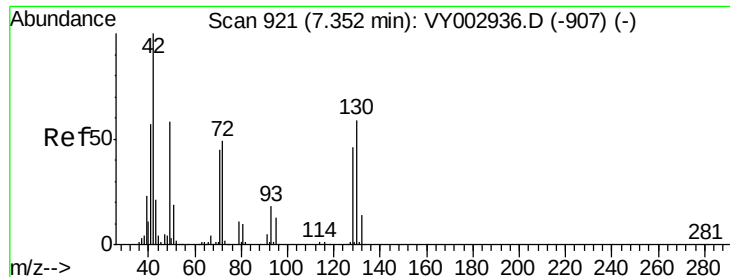
Delta R.T. 0.00 min

Lab File: VY002937.D

Acq: 19 Jun 2020 14:24

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.5	0.0	5.0	
130	98.2	78.4	117.6	





#29

Tetrahydrofuran

Concen: 511.303 ug/l

RT: 7.35 min Scan# 921

Delta R.T. -0.00 min

Lab File: VY002937.D

Acq: 19 Jun 2020 14:24

Instrument :

MSVOA_Y

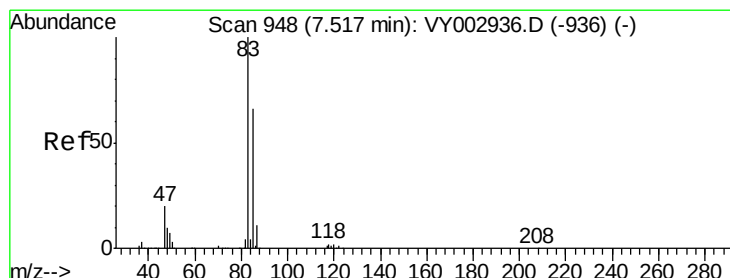
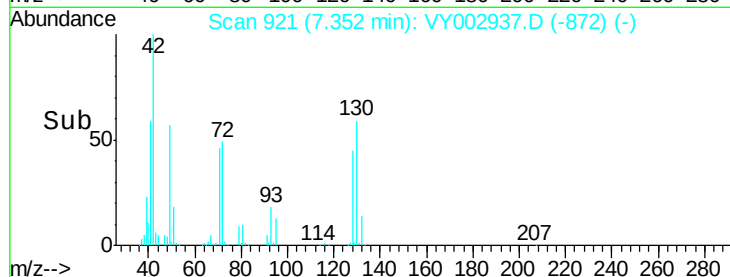
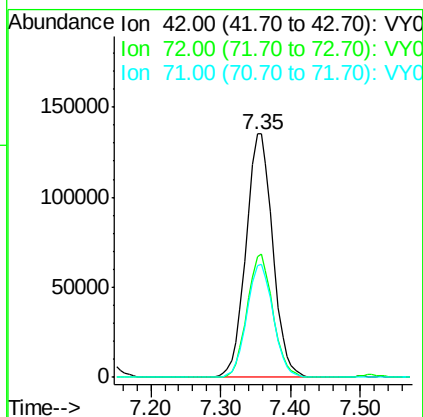
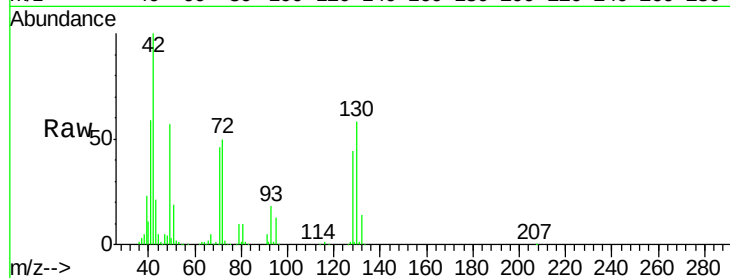
ClientSampleId :

VSTDIC100

Tot Ion:	42	Resp:	359954
Ion	Ratio	Lower	Upper
42	100		
72	48.8	39.1	58.7
71	45.7	36.4	54.6

Manual Integrations
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#30

Chloroform

Concen: 101.972 ug/l

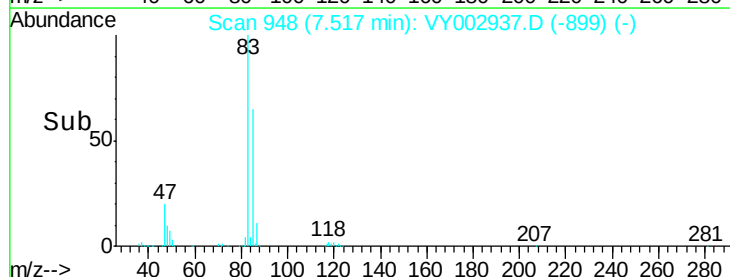
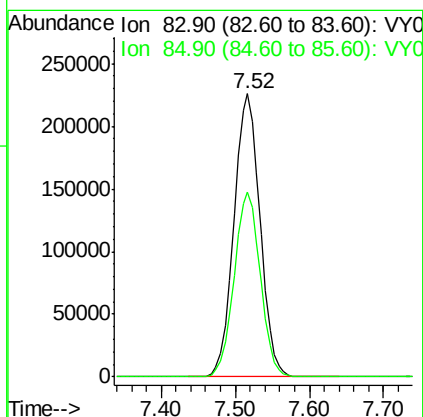
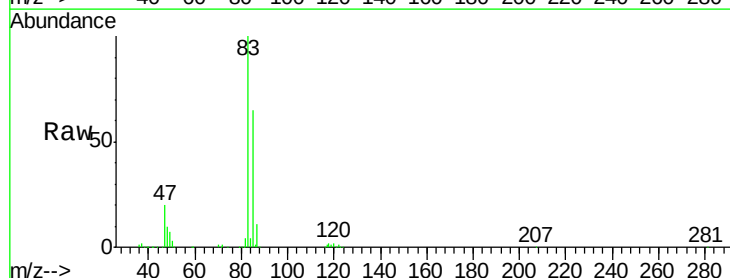
RT: 7.52 min Scan# 948

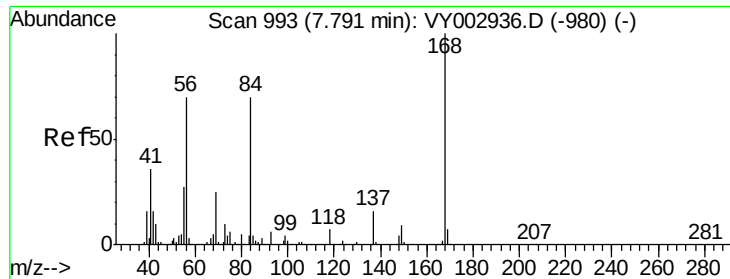
Delta R.T. 0.00 min

Lab File: VY002937.D

Acq: 19 Jun 2020 14:24

Tgt Ion:	83	Resp:	554402
Ion	Ratio	Lower	Upper
83	100		
85	65.2	53.1	79.7





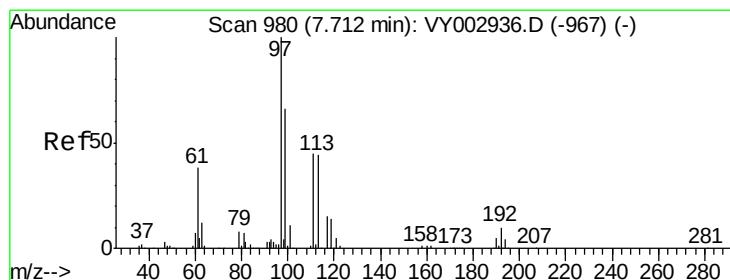
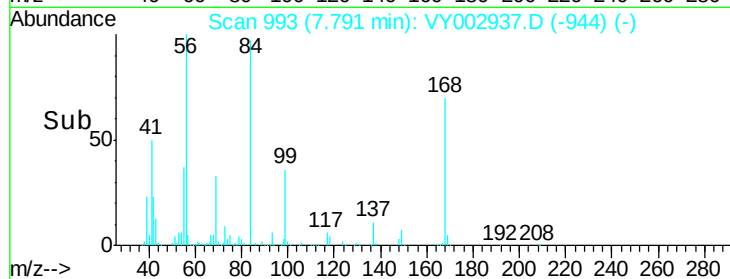
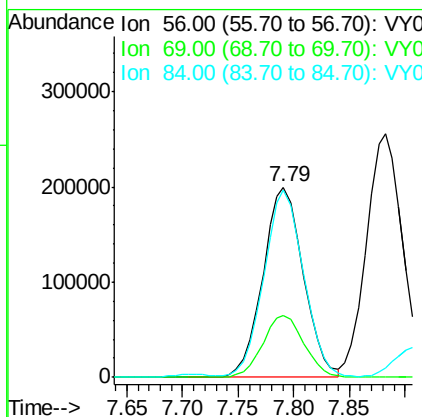
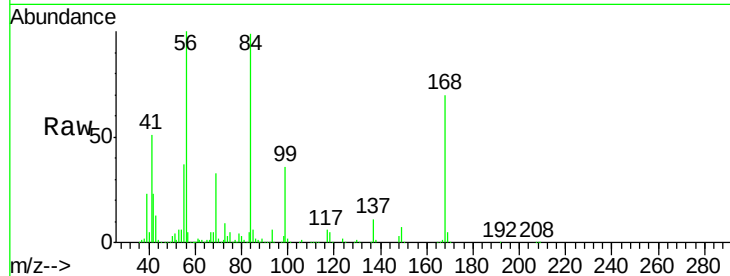
#31
Cyclohexane
Concen: 98.671 ug/l
RT: 7.79 min Scan# 993
Delta R.T. 0.00 min
Lab File: VY002937.D
Acq: 19 Jun 2020 14:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.9	28.9	43.3
84	97.0	80.1	120.1

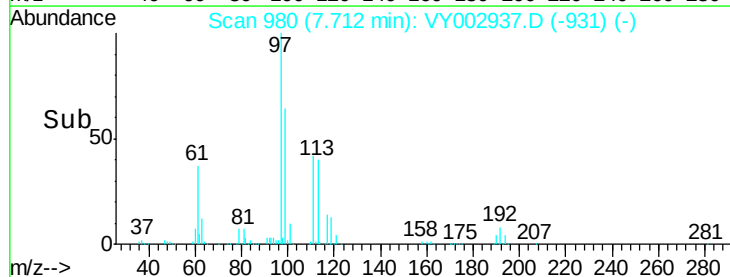
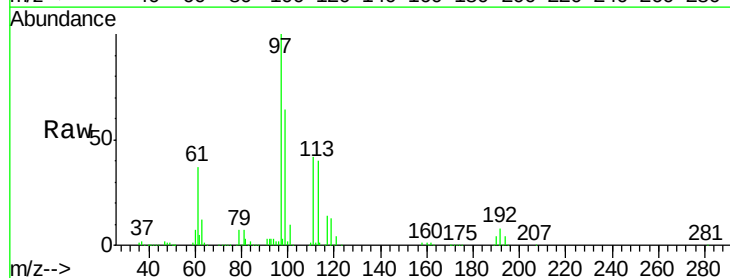
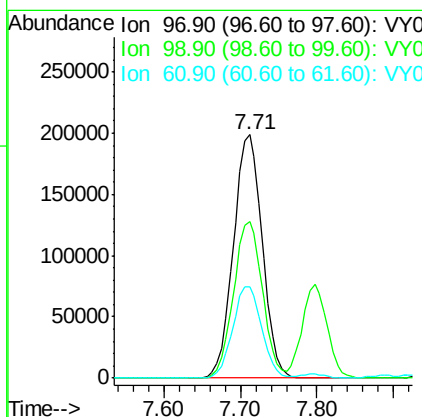
Manual Integrations
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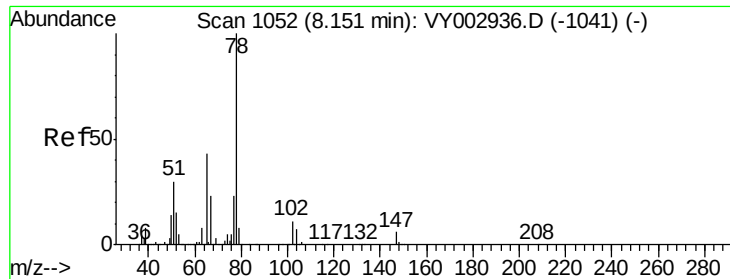
MMDadoda
6/22/2020 2:06:56 PM



#32
1,1,1-Trichloroethane
Concen: 103.796 ug/l
RT: 7.71 min Scan# 980
Delta R.T. 0.00 min
Lab File: VY002937.D
Acq: 19 Jun 2020 14:24

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	52.2	78.2
61	37.7	30.3	45.5





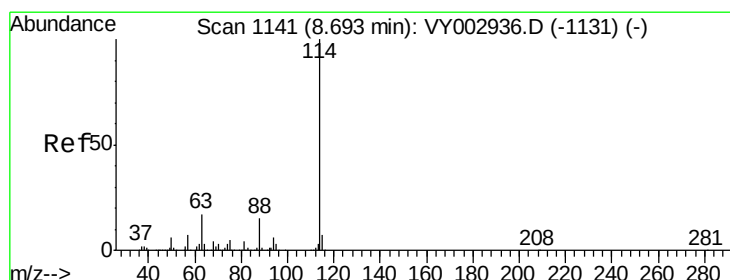
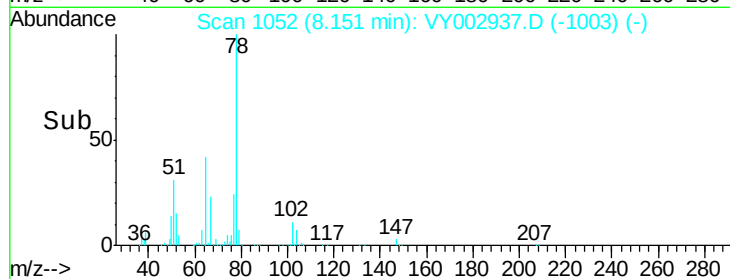
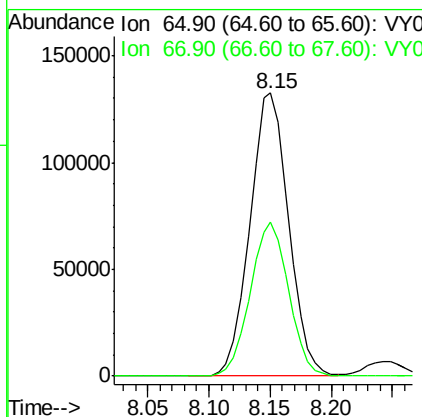
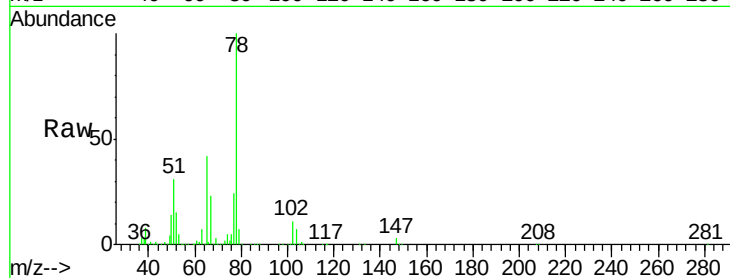
#33
 1,2-Dichloroethane-d4
 Concen: 98.401 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VY002937.D
 Acq: 19 Jun 2020 14:24

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
65	100	291864		
67	53.9	0.0	109.4	

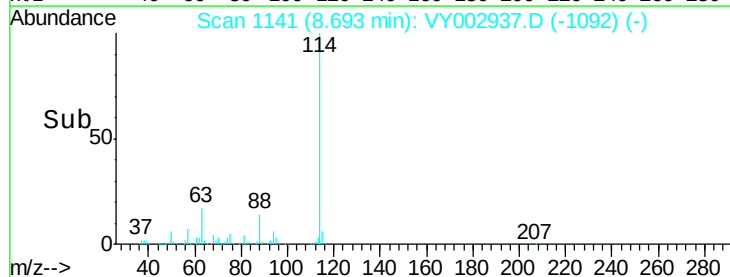
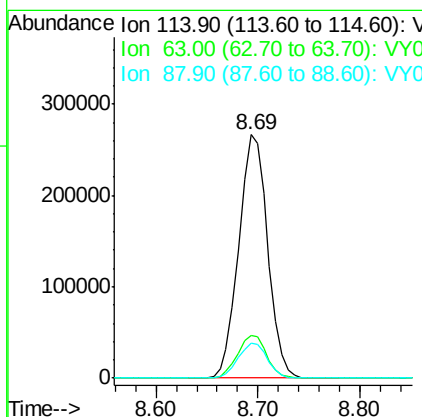
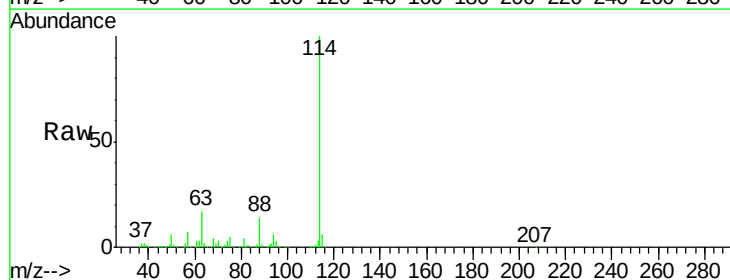
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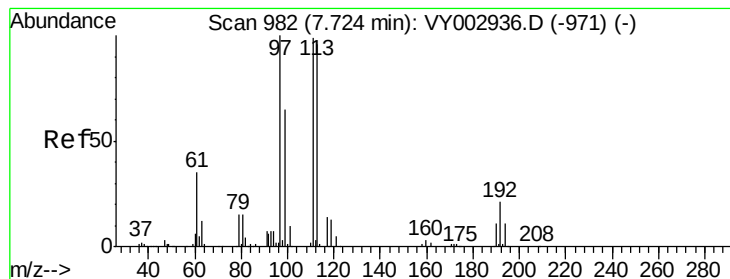
MMDadoda
 6/22/2020 2:06:56 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: VY002937.D
 Acq: 19 Jun 2020 14:24

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	522528		
63	17.3	0.0	34.6	
88	14.4	0.0	29.2	





#35

Dibromofluoromethane

Concen: 98.250 ug/l

RT: 7.72 min Scan# 982

Delta R.T. 0.00 min

Lab File: VY002937.D

Acq: 19 Jun 2020 14:24

Instrument :

MSVOA_Y

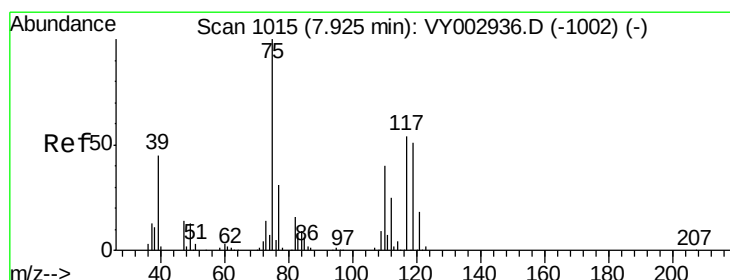
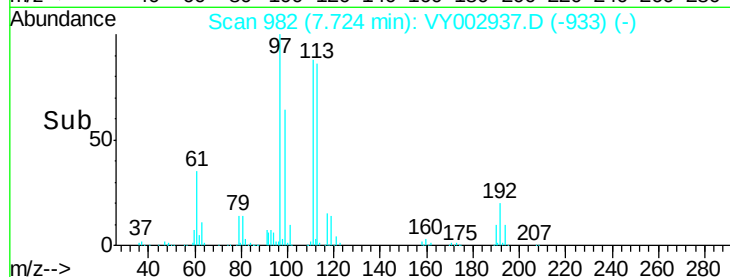
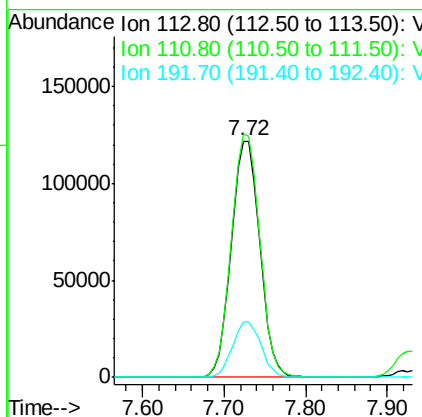
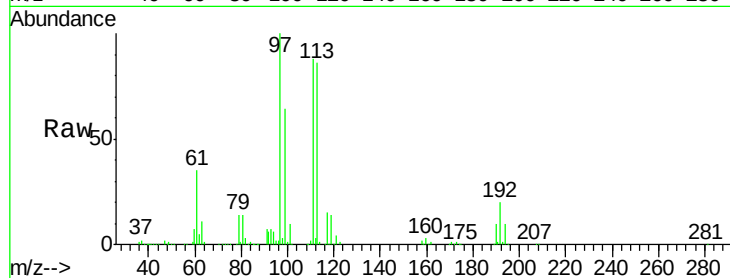
ClientSampleId :

VSTDIC100

Tot Ion:	113	Resp:	293836
Ion Ratio	Lower	Upper	
113	100		
111	102.8	81.5	122.3
192	23.6	19.2	28.8

Manual Integrations
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6/22/2020 2:06:56 PM



#36

1,1-Dichloropropene

Concen: 105.056 ug/l

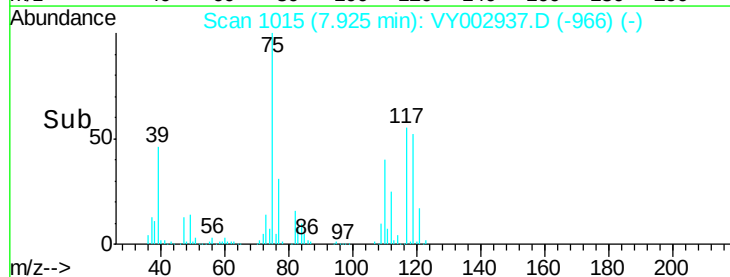
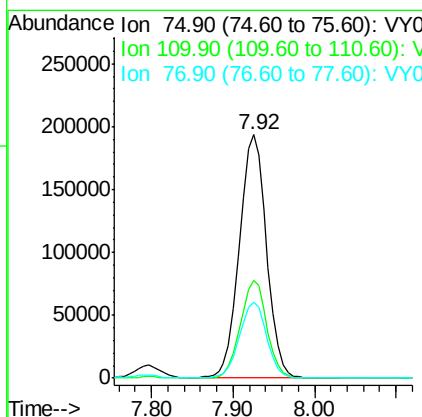
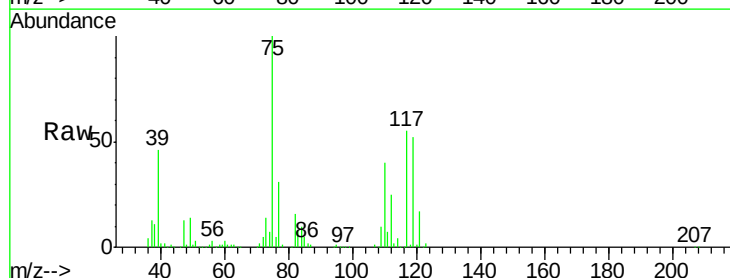
RT: 7.92 min Scan# 1015

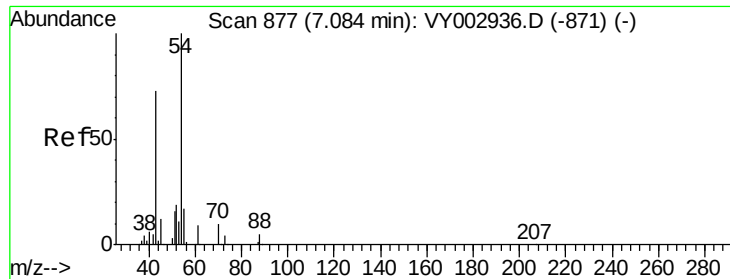
Delta R.T. 0.00 min

Lab File: VY002937.D

Acq: 19 Jun 2020 14:24

Tgt Ion:	75	Resp:	444823
Ion Ratio	Lower	Upper	
75	100		
110	39.2	19.7	59.0
77	31.4	25.0	37.4





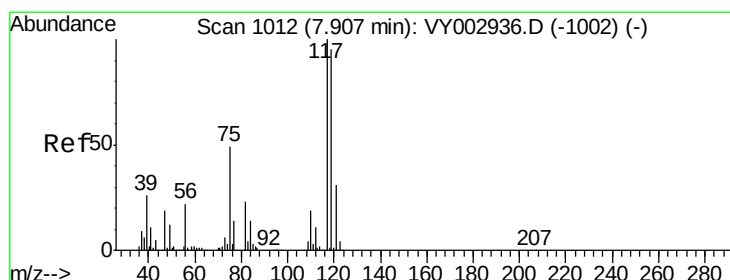
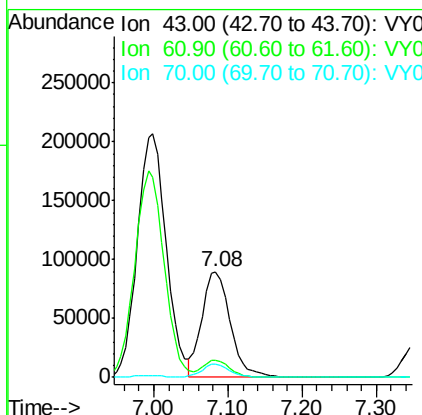
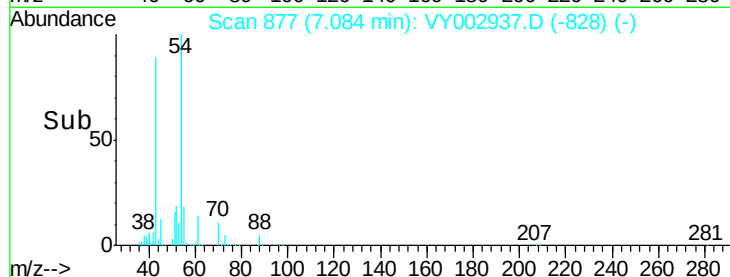
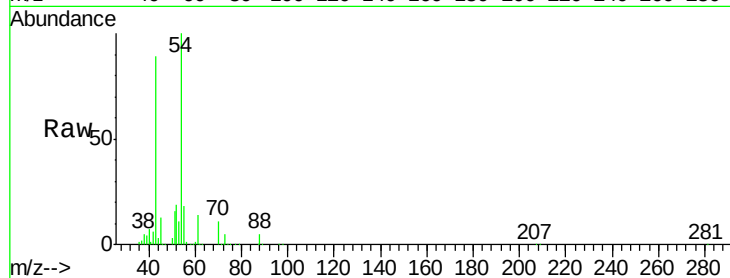
#37
Ethyl Acetate
Concen: 99.408 ug/l
RT: 7.08 min Scan# 877
Delta R.T. 0.00 min
Lab File: VY002937.D
Acq: 19 Jun 2020 14:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.5	12.3	18.5
70	12.2	9.7	14.5

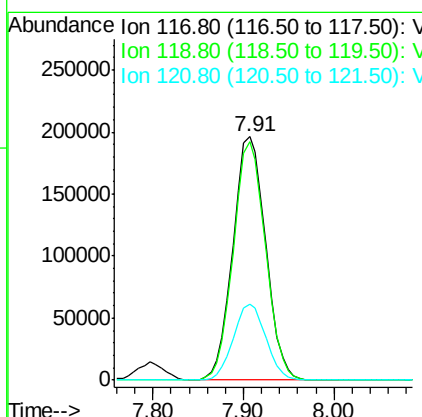
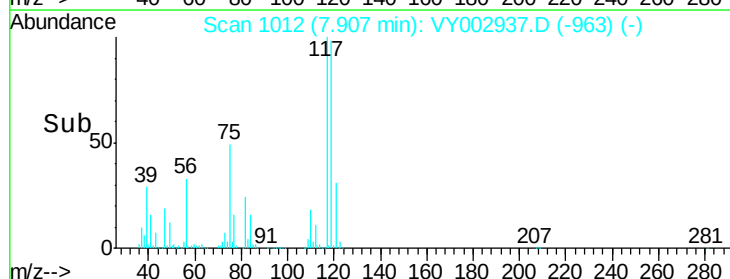
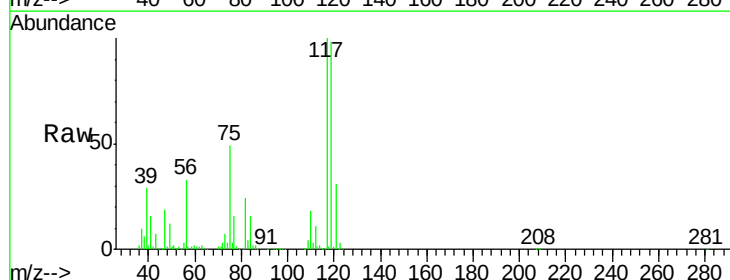
Manual Integrations
APPROVED

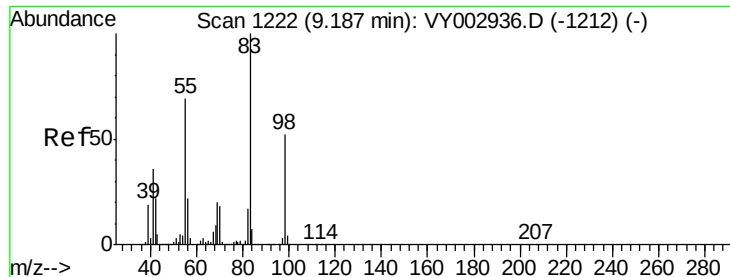
MMDadoda
6/22/2020 2:06:56 PM



#38
Carbon Tetrachloride
Concen: 105.759 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VY002937.D
Acq: 19 Jun 2020 14:24

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.8	76.1	114.1
121	31.4	24.8	37.2





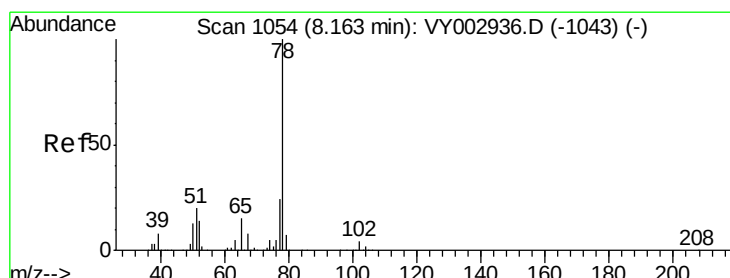
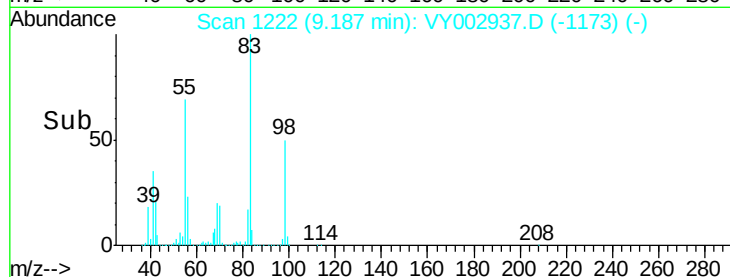
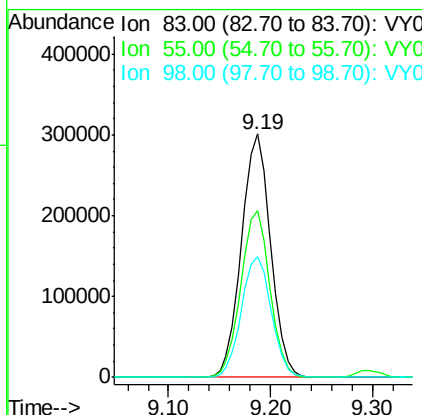
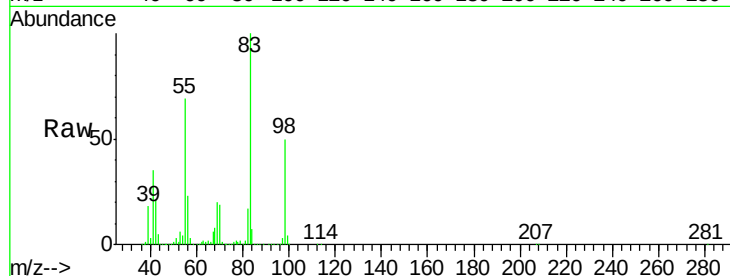
#39
Methvlcvclohexane
Concen: 108.570 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. 0.00 min
Lab File: VY002937.D
Acq: 19 Jun 2020 14:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	68.6	55.0	82.4
98	49.8	41.4	62.2

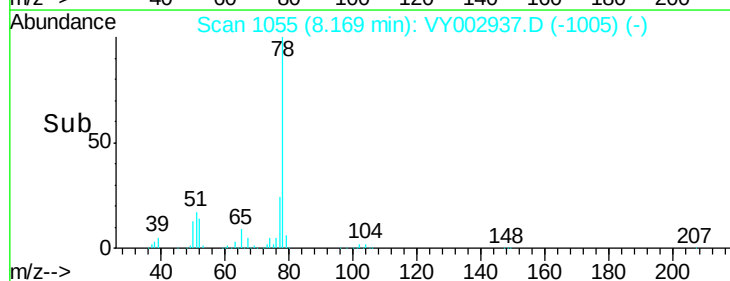
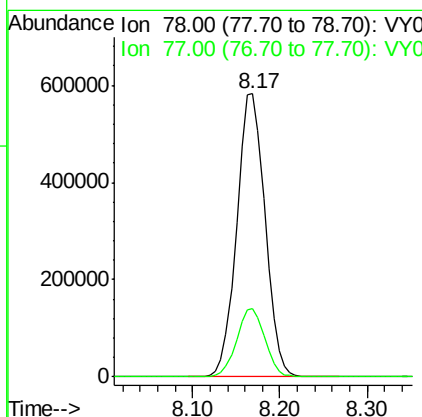
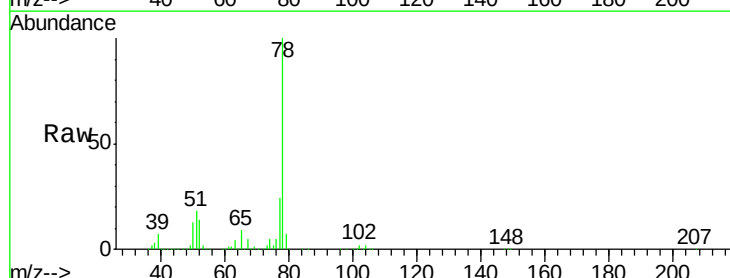
Manual Integrations
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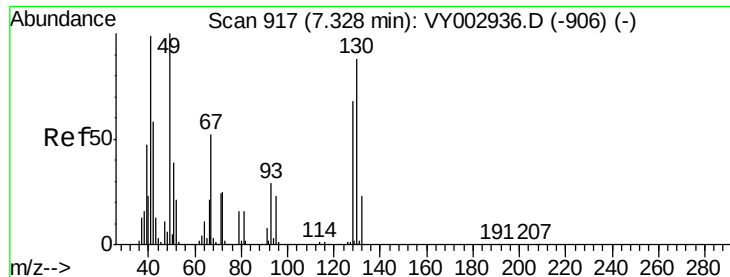
MMDadoda
6/22/2020 2:06:56 PM



#40
Benzene
Concen: 103.519 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. 0.01 min
Lab File: VY002937.D
Acq: 19 Jun 2020 14:24

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.3	28.9





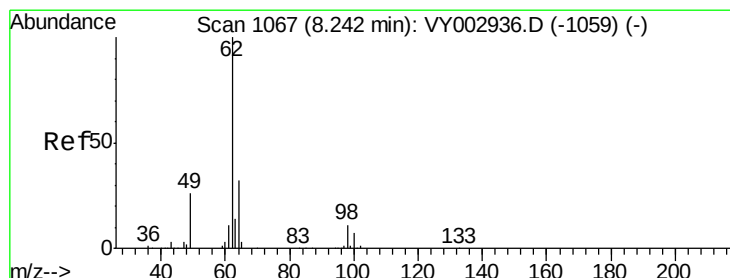
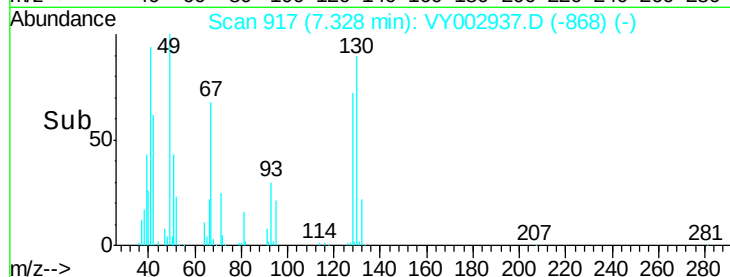
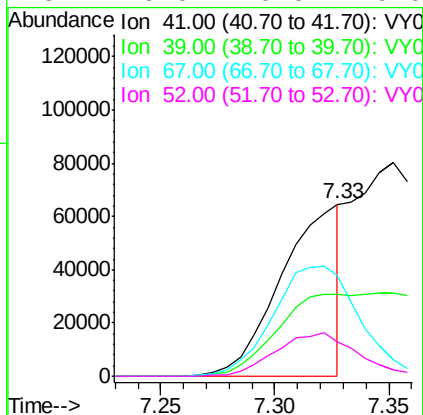
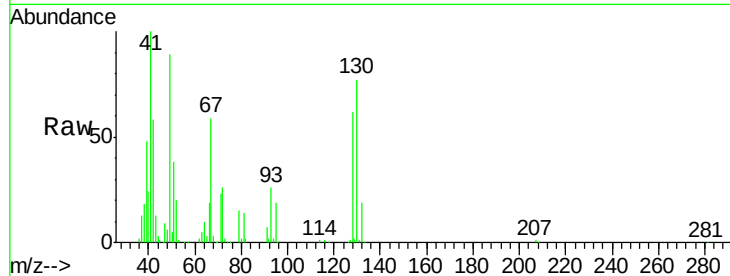
#41
Methacrylonitrile
Concen: 54.924 ug/l m
RT: 7.33 min Scan# 917
Delta R.T. 0.00 min
Lab File: VY002937.D
Acq: 19 Jun 2020 14:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	41	Resp	118237
Ion Ratio	Lower	Upper	
41	100		
39	0.0	96.6	144.8#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

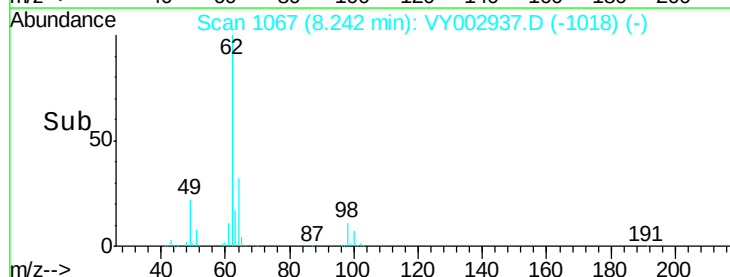
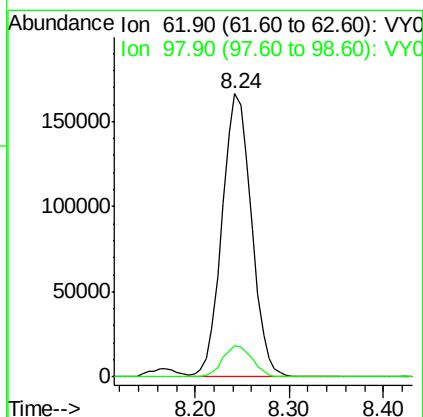
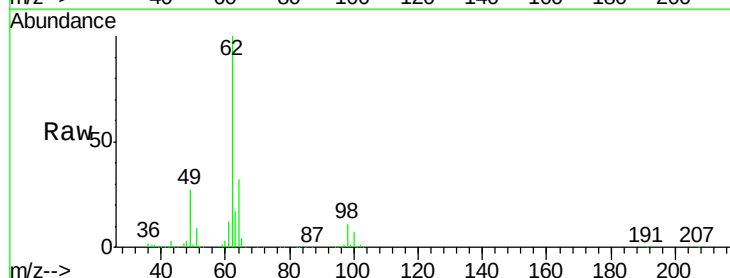
Manual Integrations
APPROVED

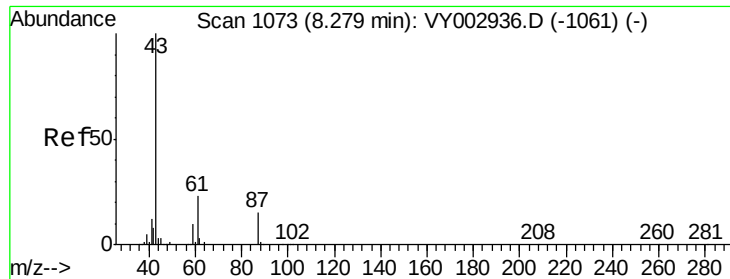
MMDadoda
6/22/2020 2:06:56 PM



#42
1,2-Dichloroethane
Concen: 102.311 ug/l
RT: 8.24 min Scan# 1067
Delta R.T. 0.00 min
Lab File: VY002937.D
Acq: 19 Jun 2020 14:24

Tgt Ion	62	Resp	360101
Ion Ratio	Lower	Upper	
62	100		
98	11.1	0.0	22.6





#43

Isopropyl Acetate

Concen: 104.518 ug/l

RT: 8.28 min Scan# 1073

Delta R.T. 0.00 min

Lab File: VY002937.D

Acq: 19 Jun 2020 14:24

Instrument :

MSVOA_Y

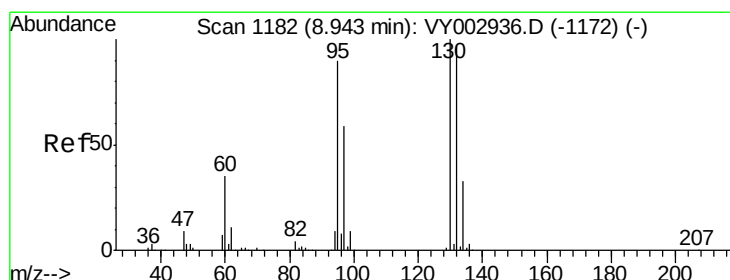
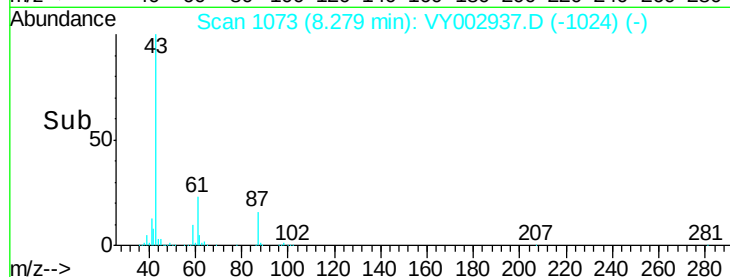
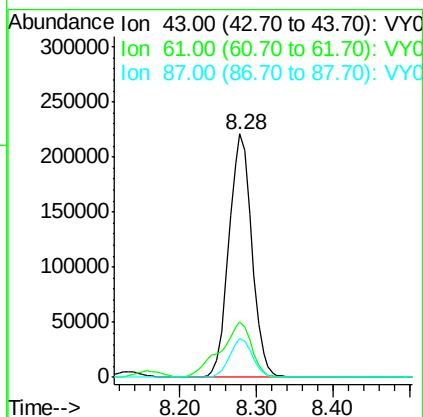
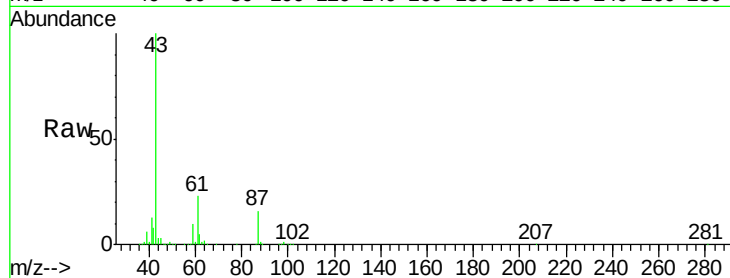
ClientSampleId :

VSTDIC100

Tot Ion:	43	Resp:	455786
Ion	Ratio	Lower	Upper
43	100		
61	31.1	25.0	37.4
87	16.0	12.6	18.8

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#44

Trichloroethene

Concen: 102.431 ug/l

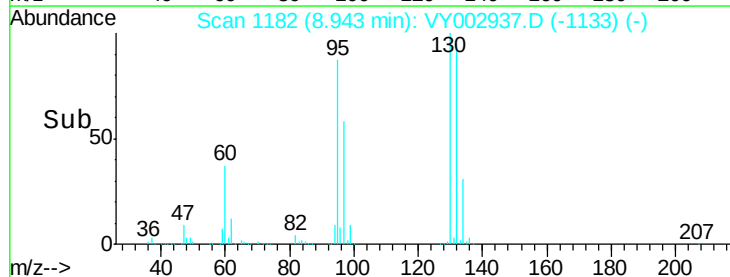
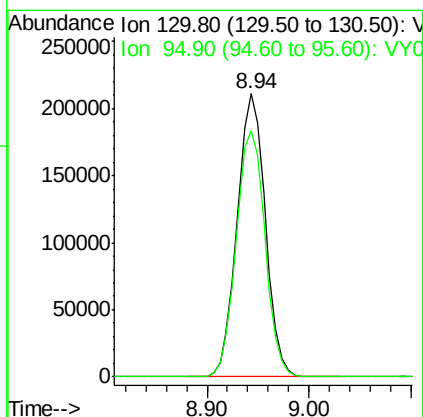
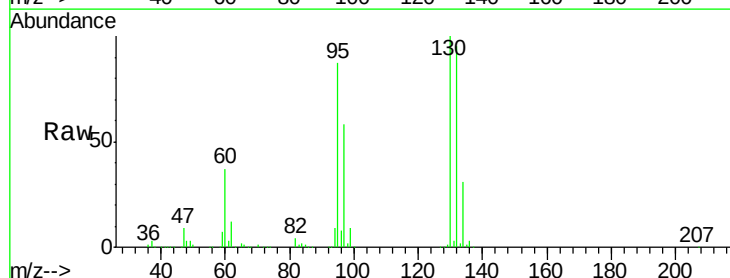
RT: 8.94 min Scan# 1182

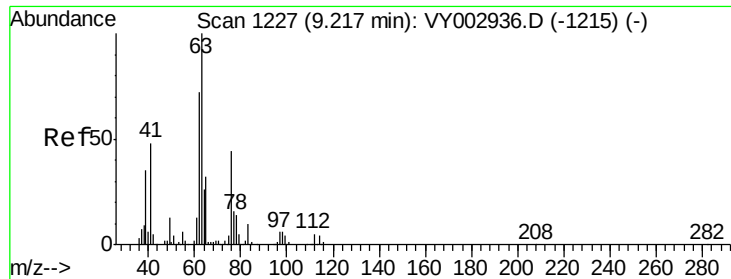
Delta R.T. 0.00 min

Lab File: VY002937.D

Acq: 19 Jun 2020 14:24

Tgt Ion:	130	Resp:	402836
Ion	Ratio	Lower	Upper
130	100		
95	87.1	0.0	179.6





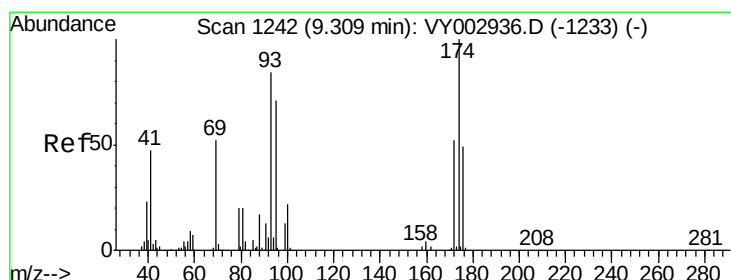
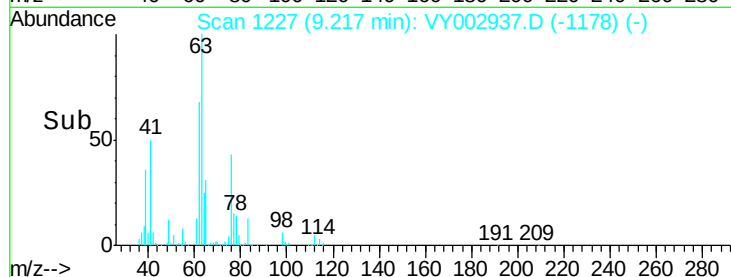
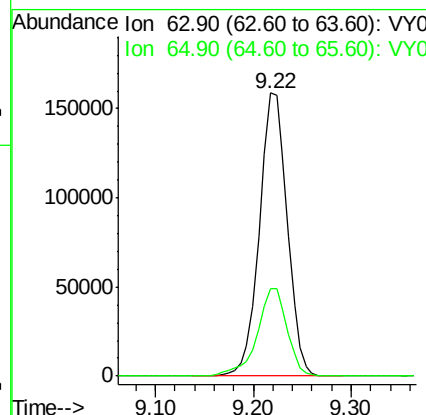
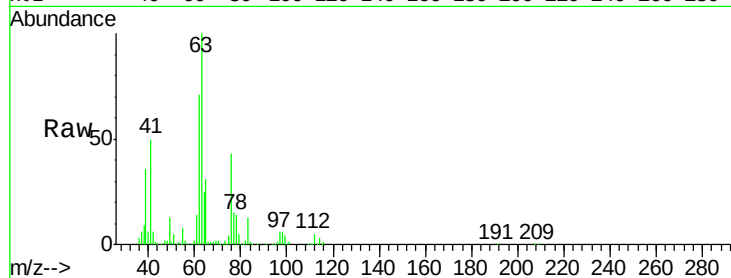
#45
 1,2-Dichloropropane
 Concen: 102.648 ug/l
 RT: 9.22 min Scan# 1227
 Delta R.T. 0.00 min
 Lab File: VY002937.D
 Acq: 19 Jun 2020 14:24

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.1	25.5	38.3

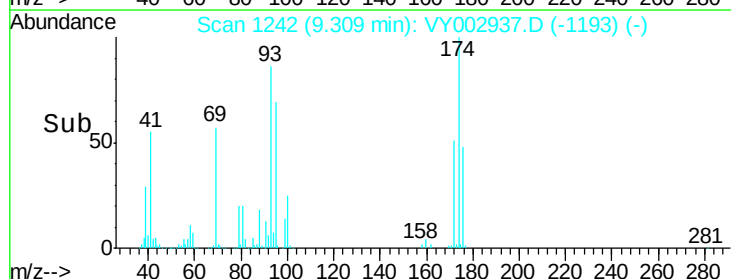
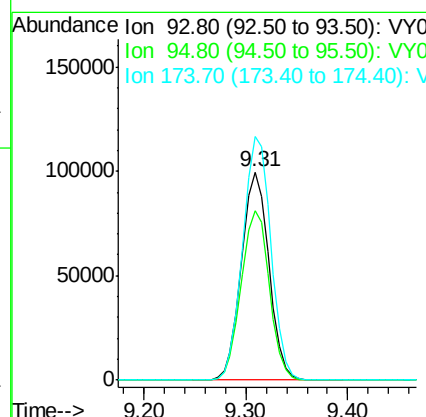
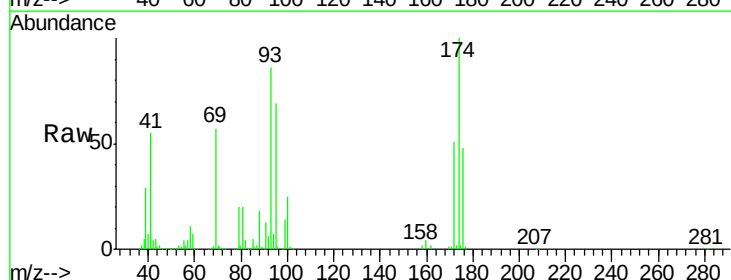
Manual Integrations
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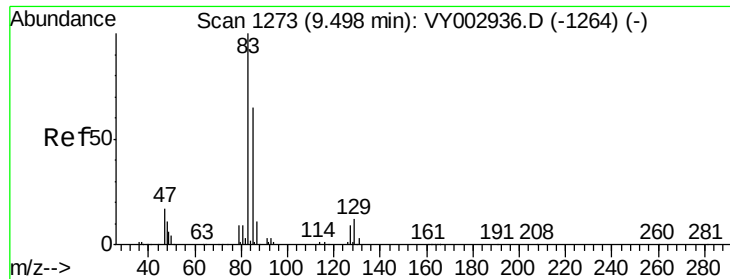
MMDadoda
 6/22/2020 2:06:56 PM



#46
 Dibromomethane
 Concen: 102.252 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VY002937.D
 Acq: 19 Jun 2020 14:24

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.2	66.4	99.6
174	120.0	95.1	142.7





#47

Bromodichloromethane

Concen: 104.964 ug/l

RT: 9.50 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VY002937.D

Acq: 19 Jun 2020 14:24

Instrument :

MSVOA_Y

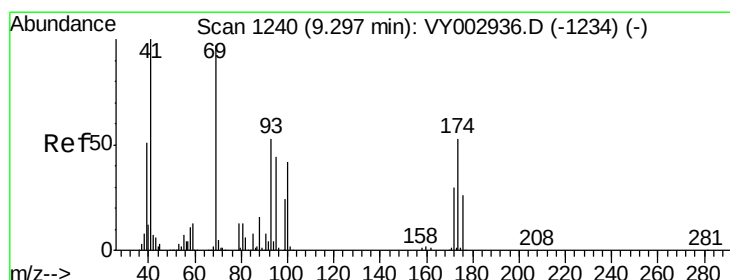
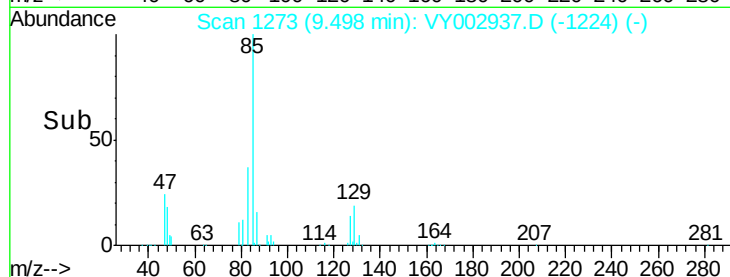
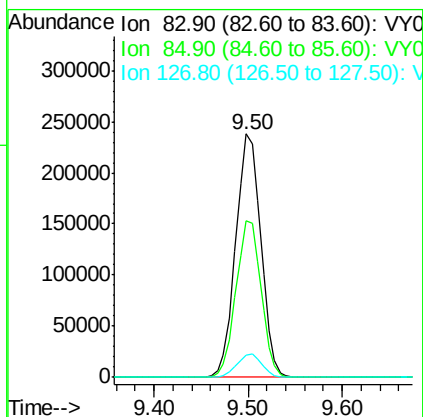
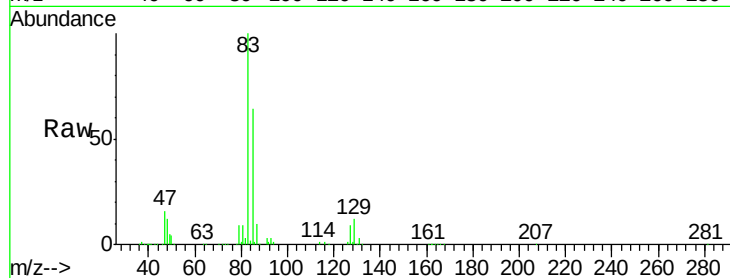
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	442293
Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.9	77.9
127	9.0	7.4	11.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 107.264 ug/l

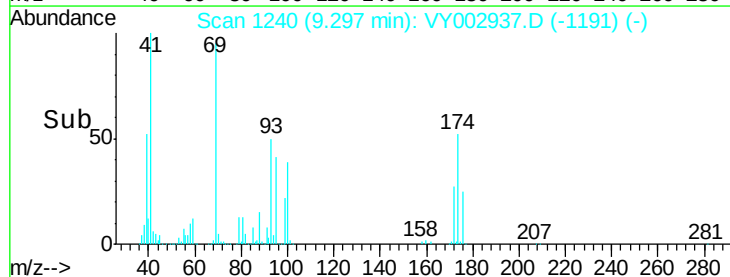
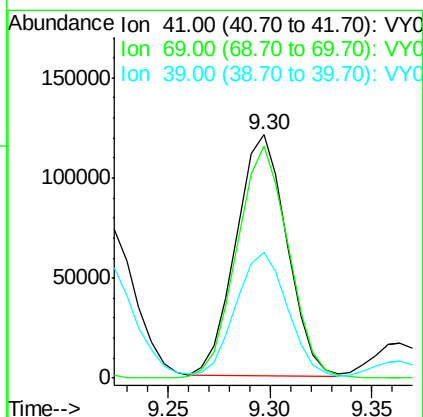
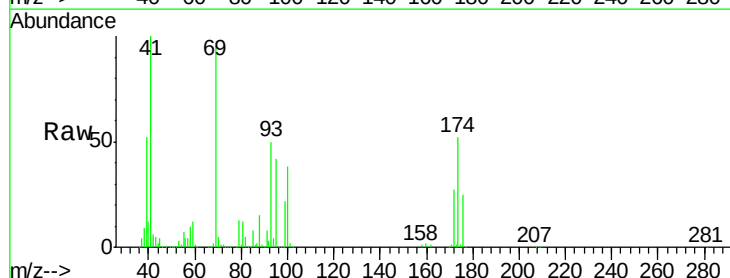
RT: 9.30 min Scan# 1240

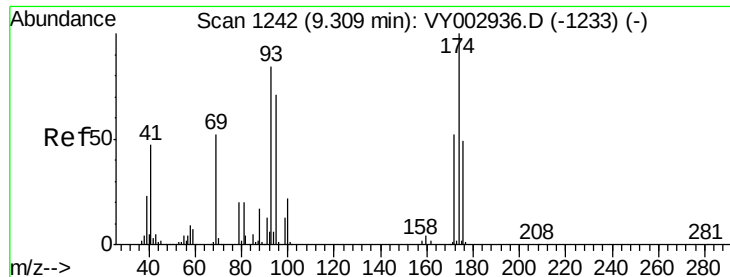
Delta R.T. 0.00 min

Lab File: VY002937.D

Acq: 19 Jun 2020 14:24

Tgt Ion:	41	Resp:	208048
Ion	Ratio	Lower	Upper
41	100		
69	98.1	79.4	119.0
39	53.9	41.1	61.7





#49

1,4-Dioxane

Concen: 2146.503 ug/l

RT: 9.30 min Scan# 1241

Delta R.T. -0.01 min

Lab File: VY002937.D

Acq: 19 Jun 2020 14:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tot Ion: 88 Resp: 56495

Ion Ratio Lower Upper

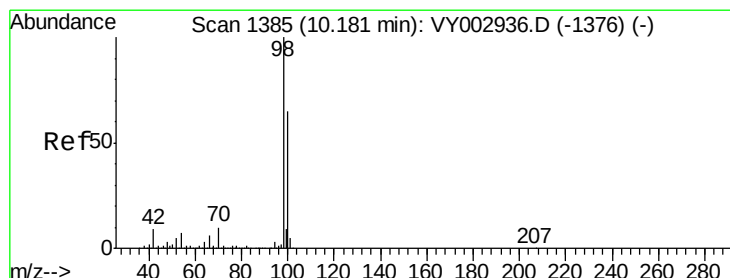
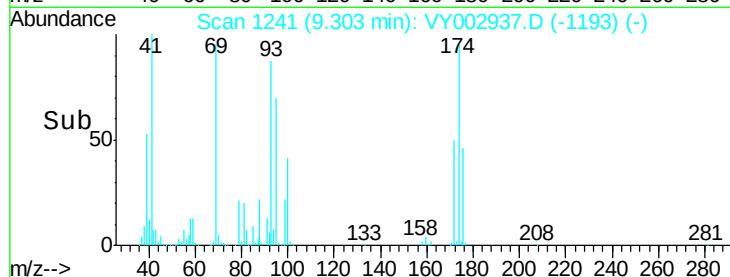
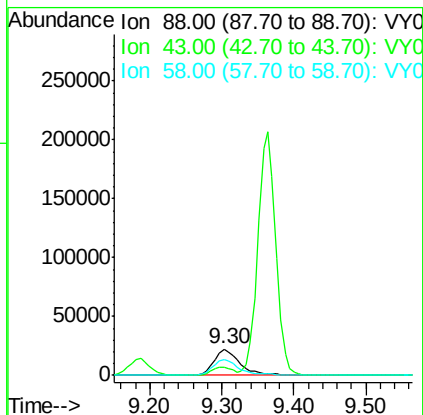
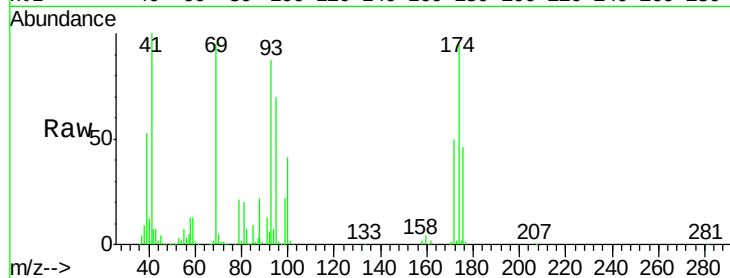
88 100

43 23.7 21.0 31.6

58 65.0 51.5 77.3

Manual Integrations
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#50

Toluene-d8

Concen: 101.045 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY002937.D

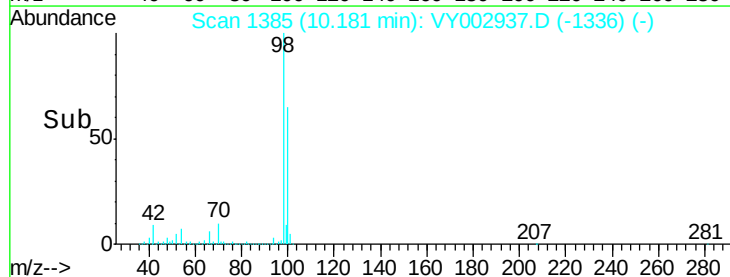
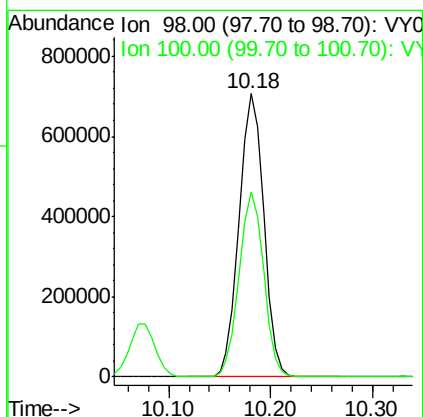
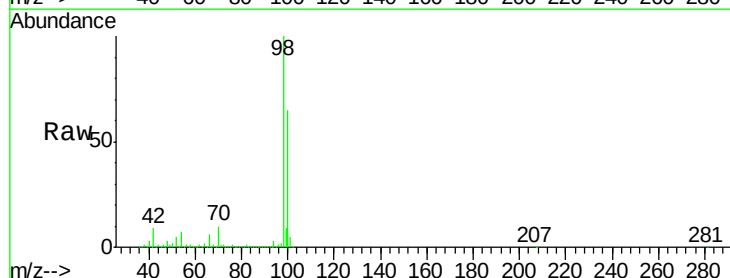
Acq: 19 Jun 2020 14:24

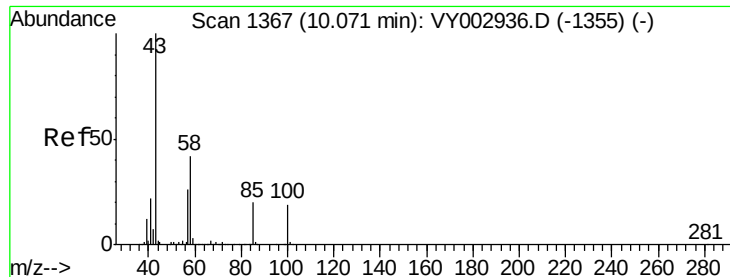
Tgt Ion: 98 Resp: 1186322

Ion Ratio Lower Upper

98 100

100 64.8 51.9 77.9





#51

4-Methyl-2-Pentanone

Concen: 512.745 ug/l

RT: 10.07 min Scan# 1367

Delta R.T. 0.00 min

Lab File: VY002937.D

Acq: 19 Jun 2020 14:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 1194429

Ion Ratio Lower Upper

43 100

58 42.4

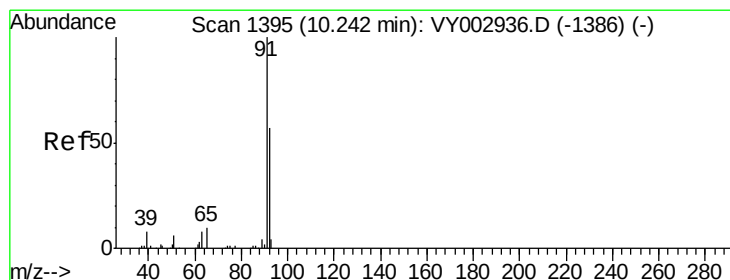
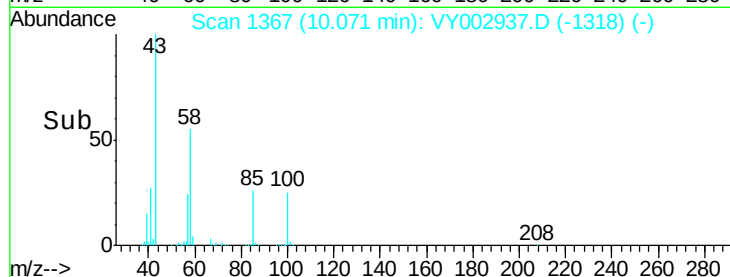
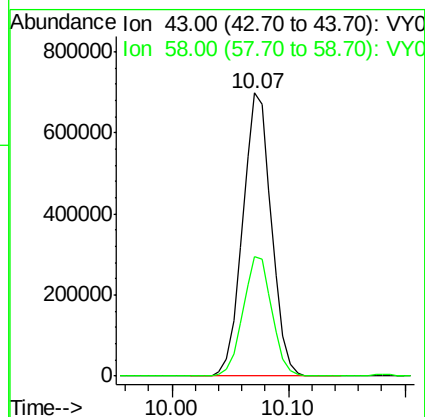
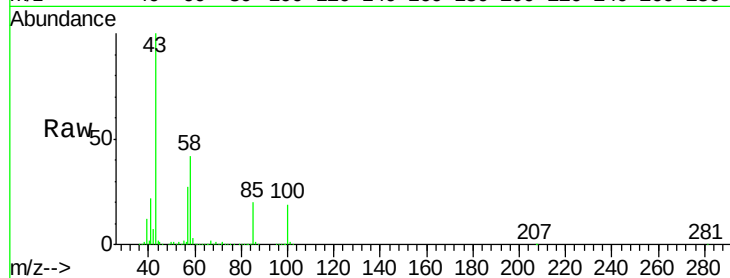
33.9

50.9

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#52

Toluene

Concen: 104.091 ug/l

RT: 10.25 min Scan# 1396

Delta R.T. 0.01 min

Lab File: VY002937.D

Acq: 19 Jun 2020 14:24

Tgt Ion: 92 Resp: 851563

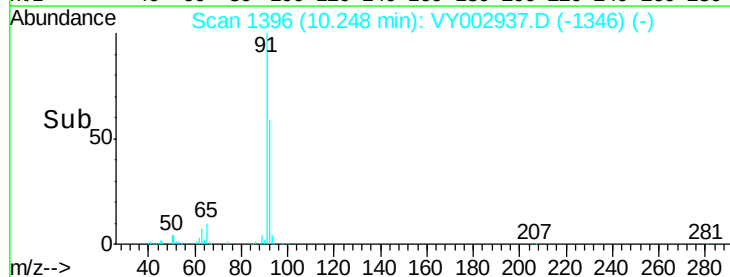
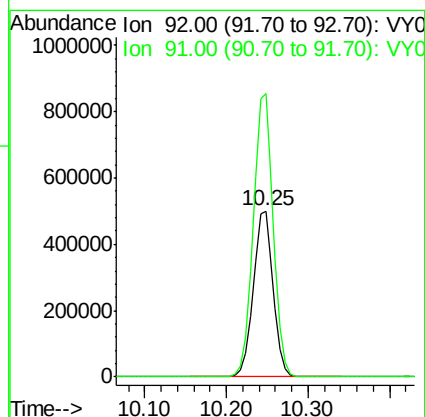
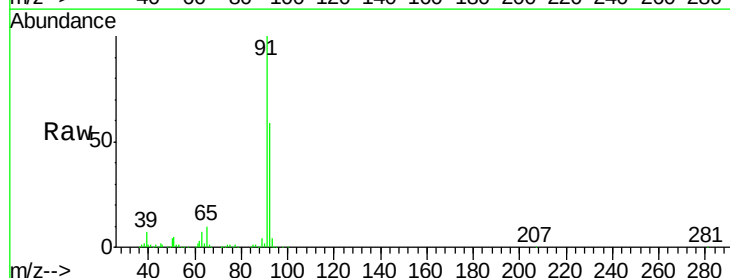
Ion Ratio Lower Upper

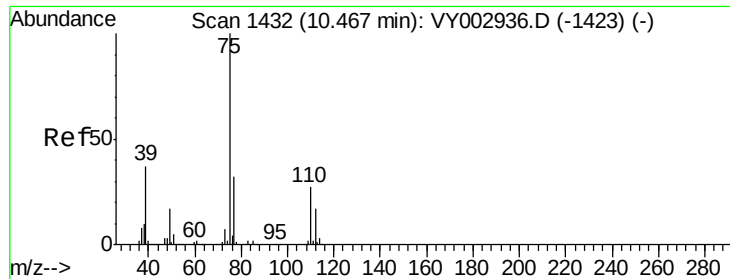
92 100

91 171.6

139.3

208.9





#53

t-1,3-Dichloropropene

Concen: 106.373 ug/l

RT: 10.47 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VY002937.D

Acq: 19 Jun 2020 14:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion: 75 Resp: 485544

Ion Ratio Lower Upper

75 100

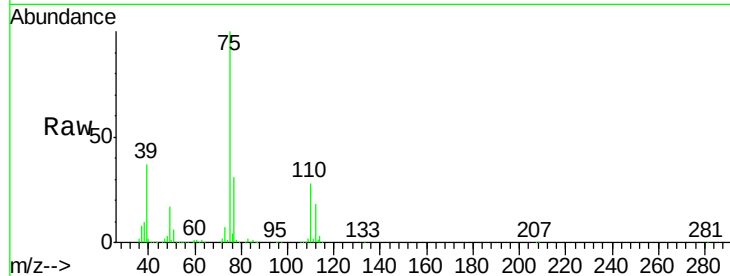
77 31.1 25.3 37.9

Manual Integrations

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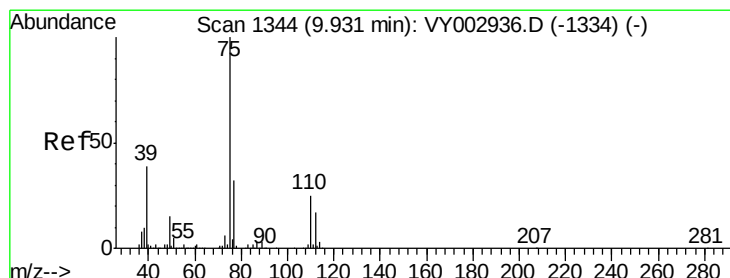
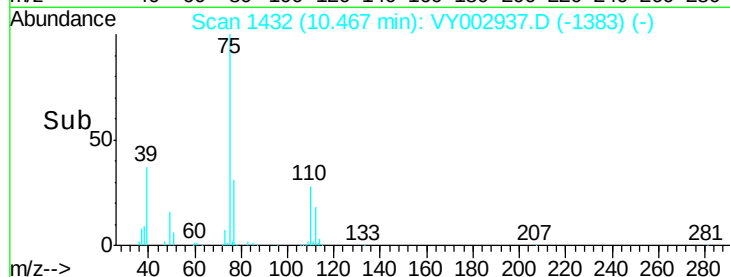
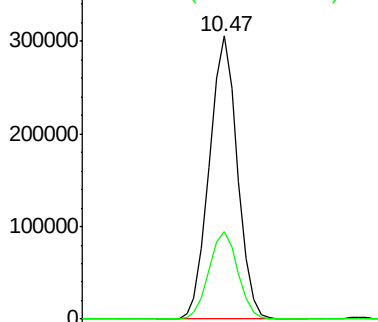
MMDadoda

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Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0



#54

cis-1,3-Dichloropropene

Concen: 105.177 ug/l

RT: 9.93 min Scan# 1344

Delta R.T. 0.00 min

Lab File: VY002937.D

Acq: 19 Jun 2020 14:24

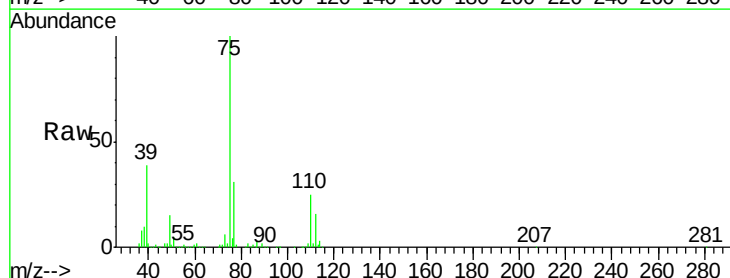
Tgt Ion: 75 Resp: 544651

Ion Ratio Lower Upper

75 100

77 31.4 25.4 38.2

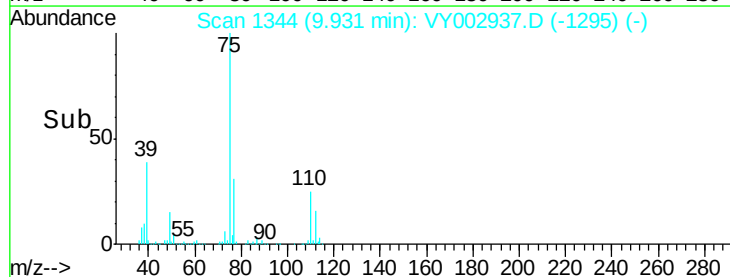
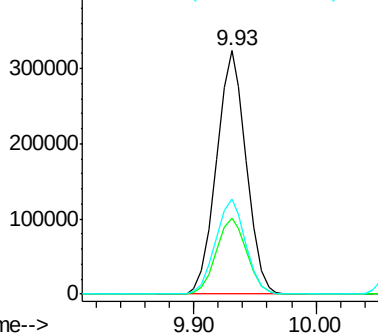
39 39.2 31.4 47.0

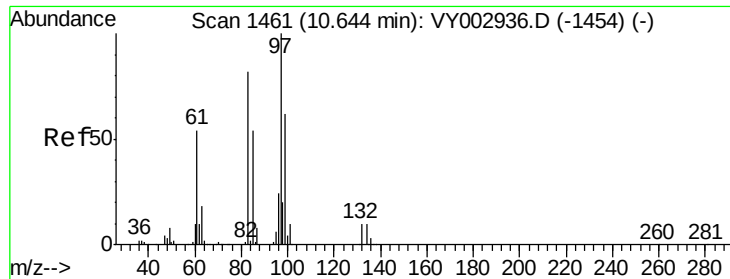


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0

Ion 39.00 (38.70 to 39.70): VY0





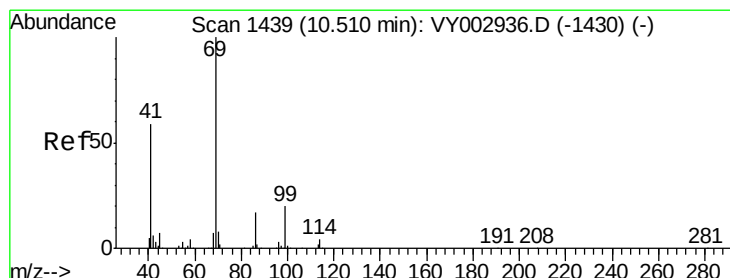
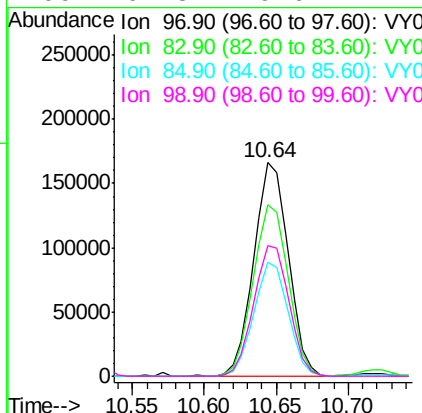
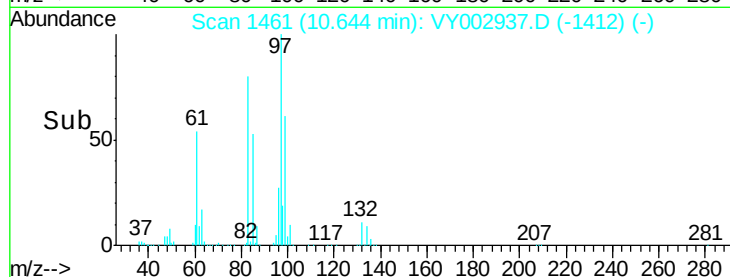
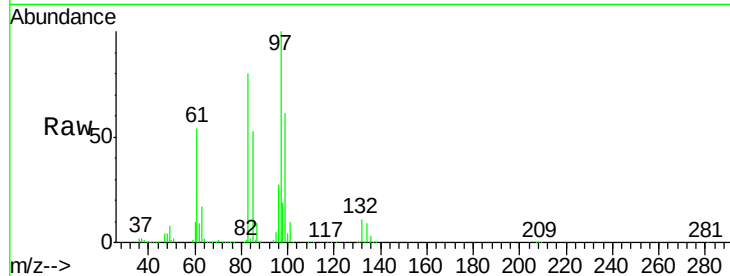
#55
 1,1,2-Trichloroethane
 Concen: 101.189 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. 0.00 min
 Lab File: VY002937.D
 Acq: 19 Jun 2020 14:24

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		275944		
83	80.2	65.9	98.9		
85	53.4	43.1	64.7		
99	61.3	49.6	74.4		

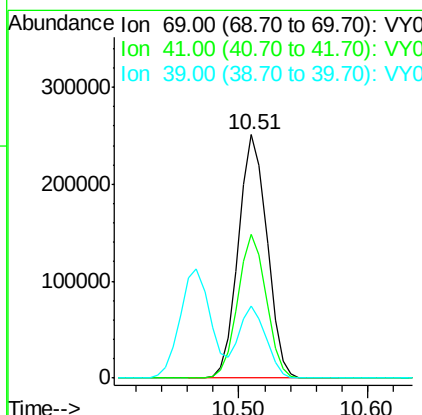
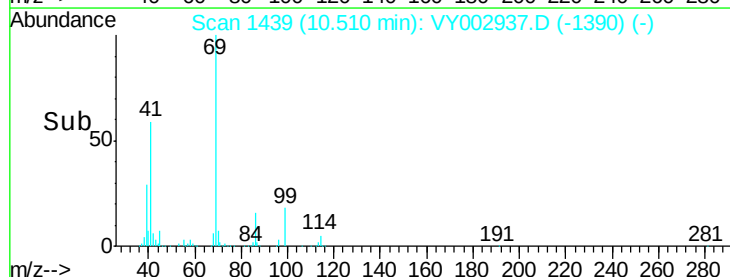
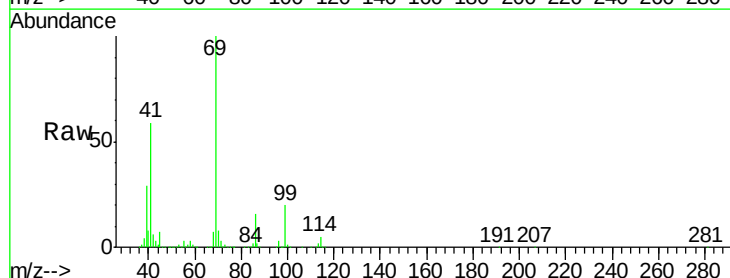
Manual Integrations
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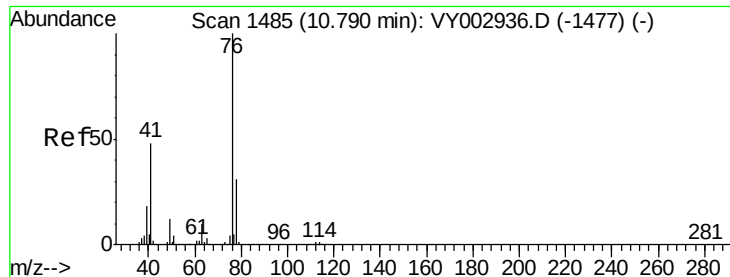
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#56
 Ethyl methacrylate
 Concen: 107.665 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. 0.00 min
 Lab File: VY002937.D
 Acq: 19 Jun 2020 14:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		386716		
41	58.4	46.4	69.6		
39	27.6	21.4	32.0		





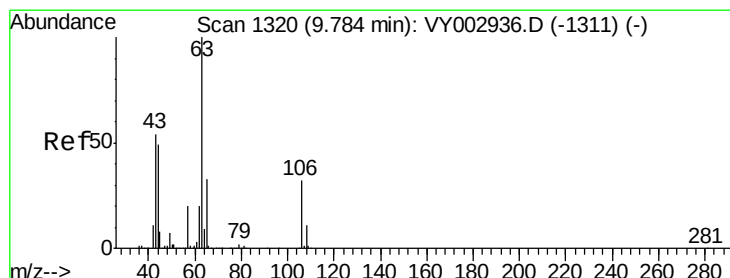
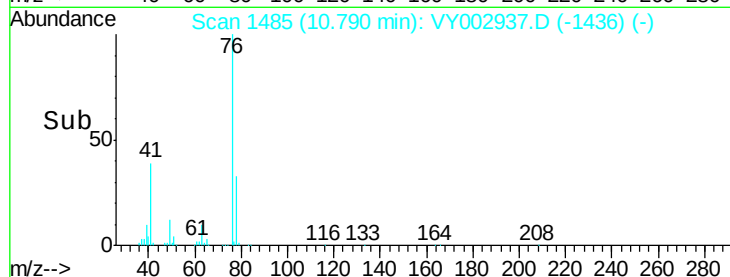
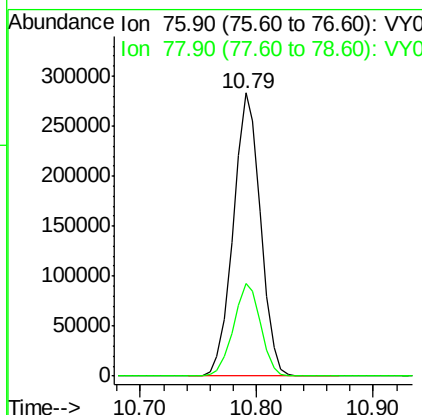
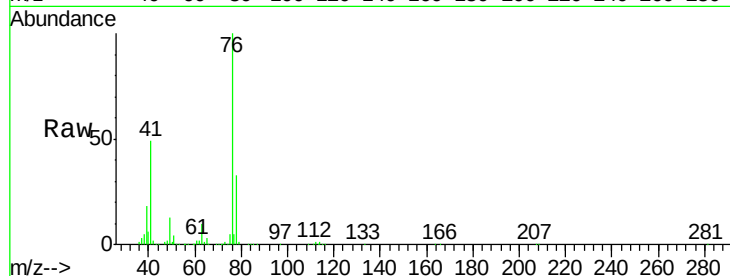
#57
 1,3-Dichloropropane
 Concen: 100.956 ug/l
 RT: 10.79 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VY002937.D
 Acq: 19 Jun 2020 14:24

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.7	25.4	38.2

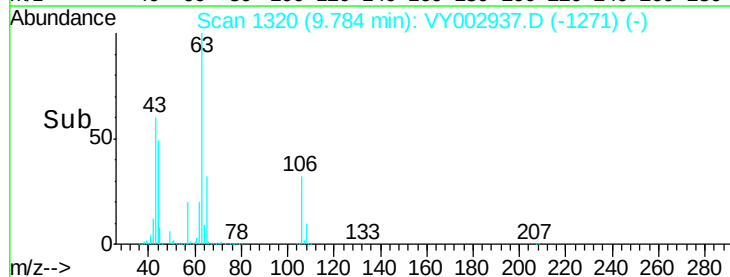
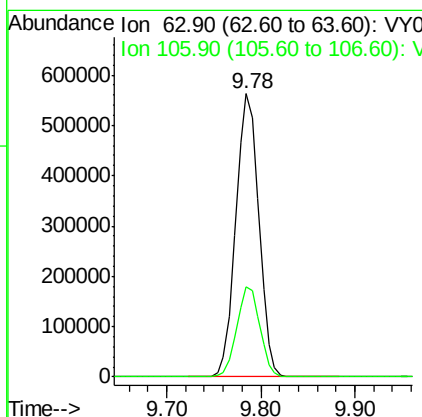
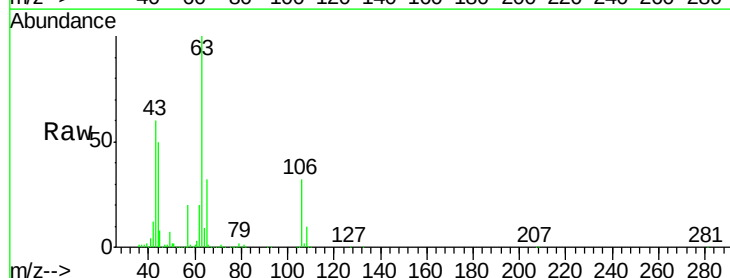
Manual Integrations
 APPROVED

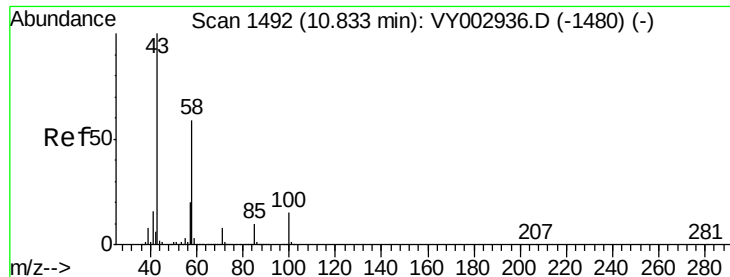
MMDadoda
 6/22/2020 2:06:56 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 531.654 ug/l
 RT: 9.78 min Scan# 1320
 Delta R.T. 0.00 min
 Lab File: VY002937.D
 Acq: 19 Jun 2020 14:24

Tgt Ion	Ratio	Lower	Upper
63	100		
106	31.8	25.6	38.4





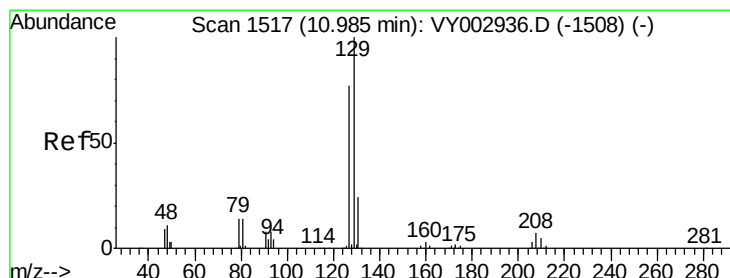
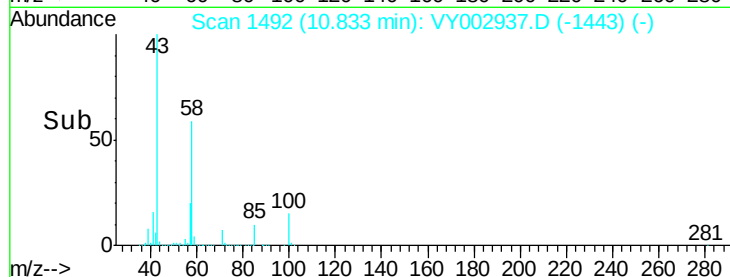
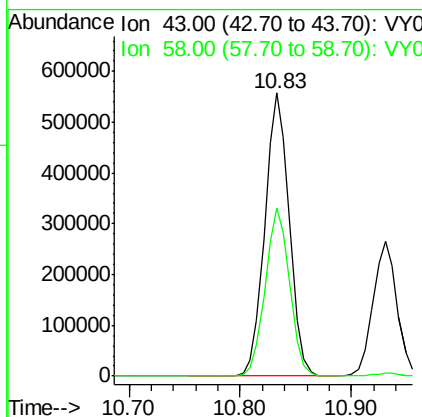
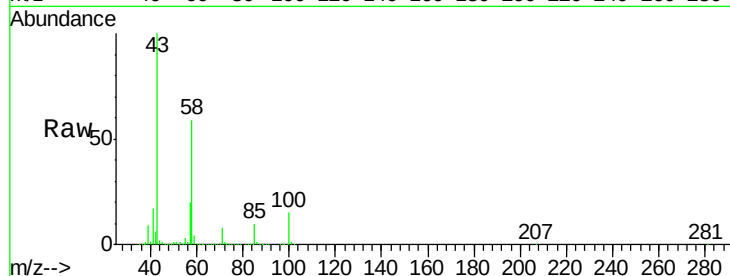
#59
2-Hexanone
Concen: 523.724 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VY002937.D
Acq: 19 Jun 2020 14:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tot Ion: 43 Resp: 852598
Ion Ratio Lower Upper
43 100
58 59.3 29.7 89.1

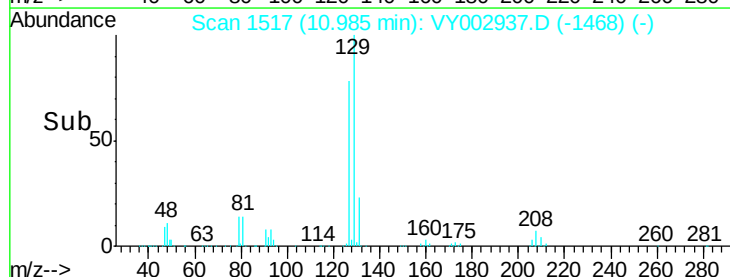
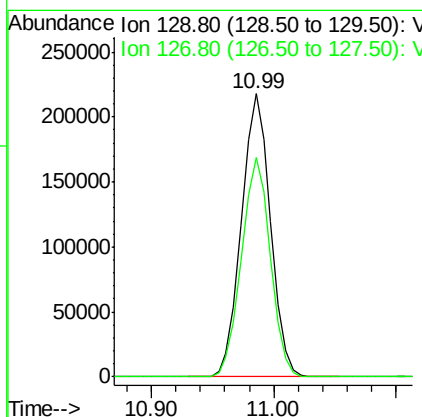
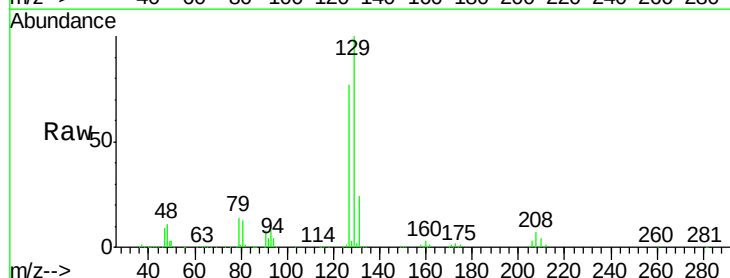
Manual Integrations
APPROVED

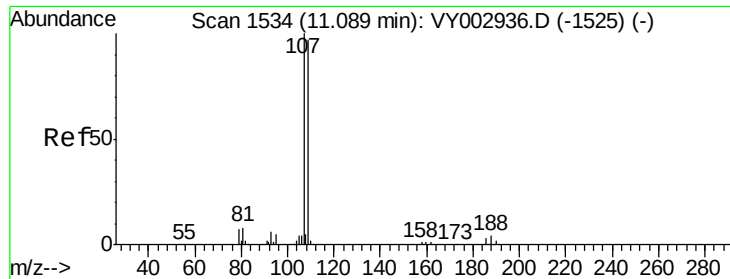
MMDadoda
6/22/2020 2:06:56 PM



#60
Dibromochloromethane
Concen: 103.818 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VY002937.D
Acq: 19 Jun 2020 14:24

Tgt Ion: 129 Resp: 357511
Ion Ratio Lower Upper
129 100
127 77.3 38.9 116.6





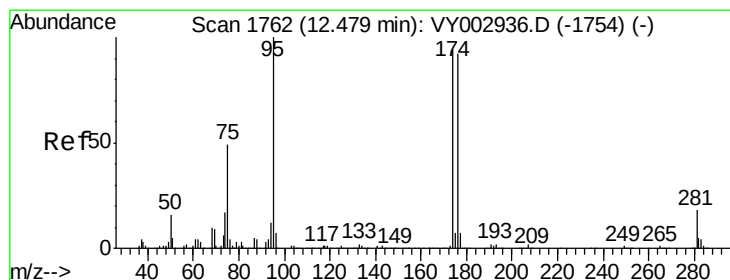
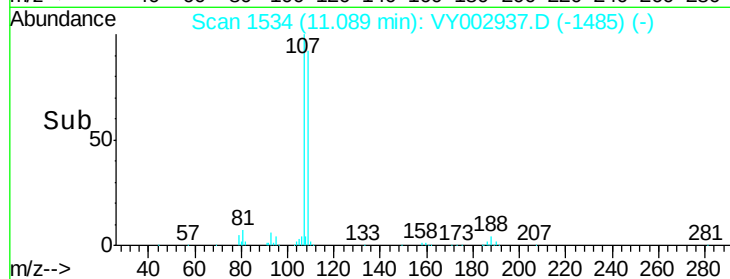
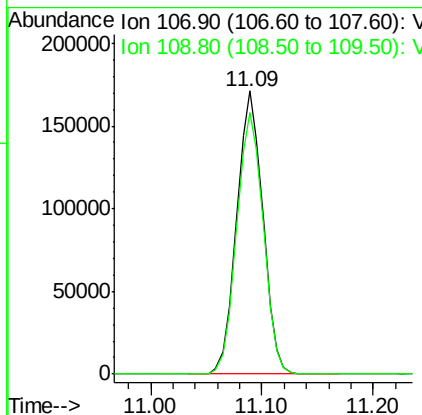
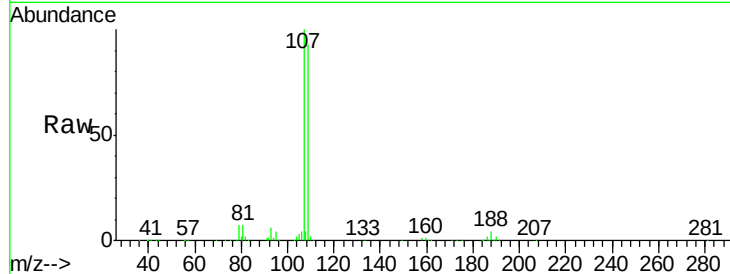
#61
 1,2-Dibromoethane
 Concen: 102.925 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VY002937.D
 Acq: 19 Jun 2020 14:24

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
107	100	276841		
109	94.2	76.6	114.8	

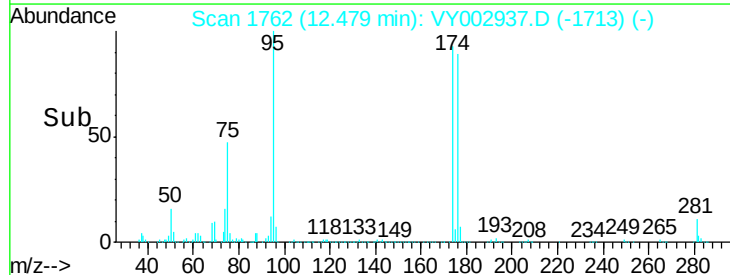
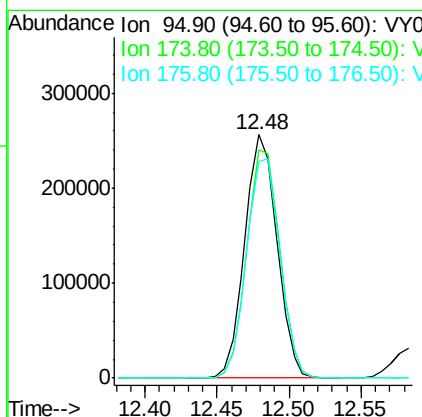
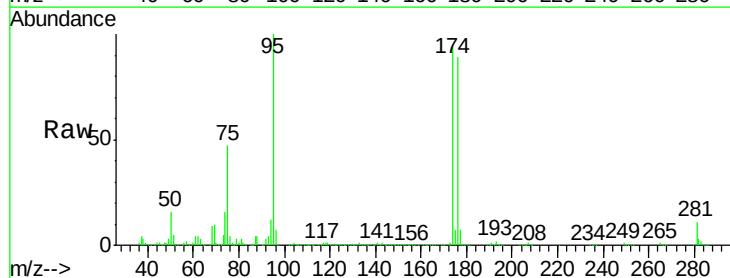
Manual Integrations
 APPROVED

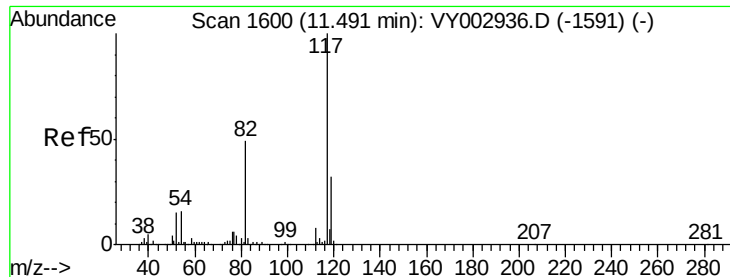
MMDadoda
 6/22/2020 2:06:56 PM



#62
 4-Bromofluorobenzene
 Concen: 96.250 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: VY002937.D
 Acq: 19 Jun 2020 14:24

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	397280		
174	95.9	0.0	191.2	
176	93.2	0.0	186.0	





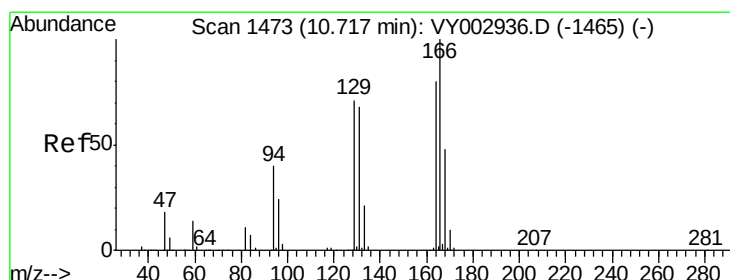
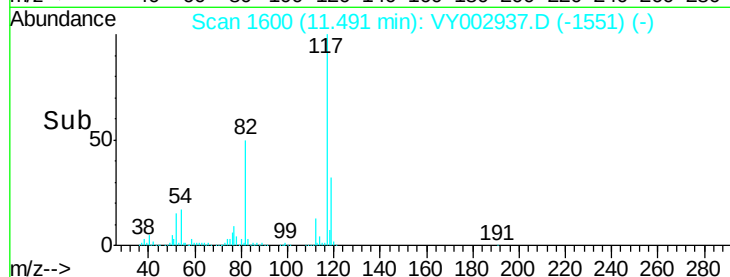
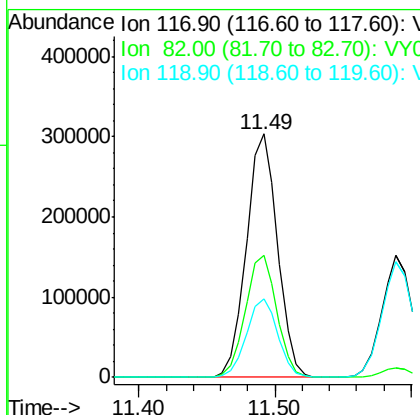
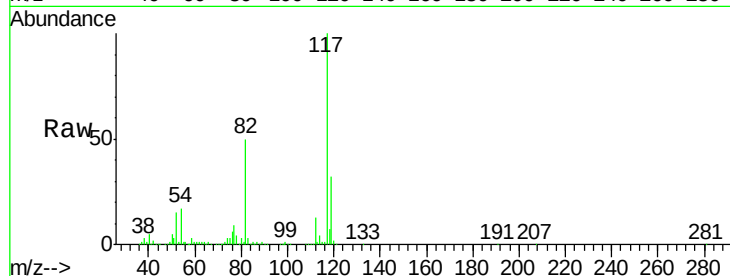
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY002937.D
Acq: 19 Jun 2020 14:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
117	100	486706		
82	50.0		39.4	59.0
119	32.4		25.4	38.0

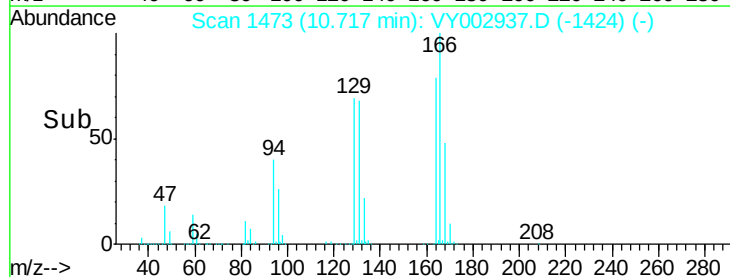
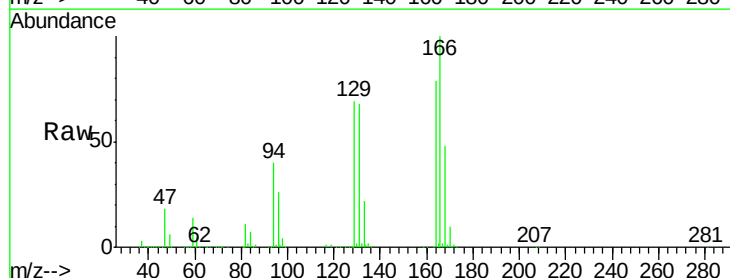
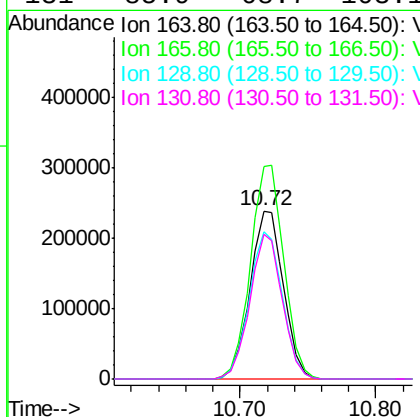
Manual Integrations
APPROVED

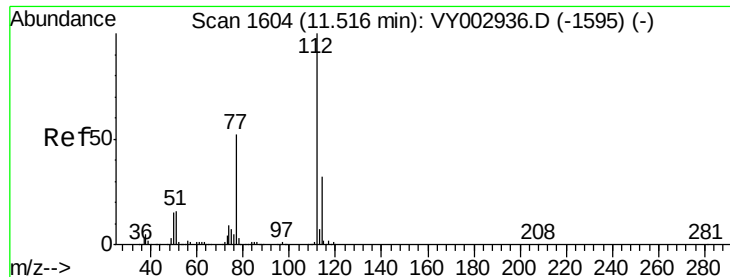
MMDadoda
6/22/2020 2:06:56 PM



#64
Tetrachloroethene
Concen: 99.469 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VY002937.D
Acq: 19 Jun 2020 14:24

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	409879		
166	126.4		100.5	150.7
129	87.4		71.1	106.7
131	85.9		68.7	103.1





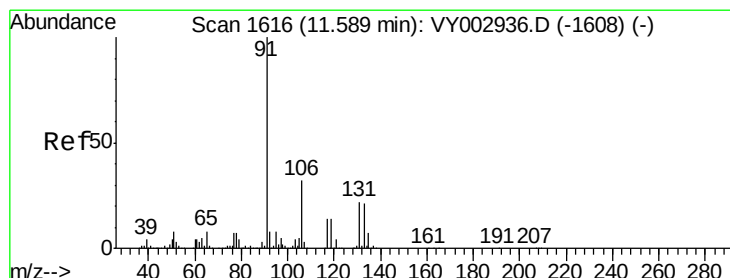
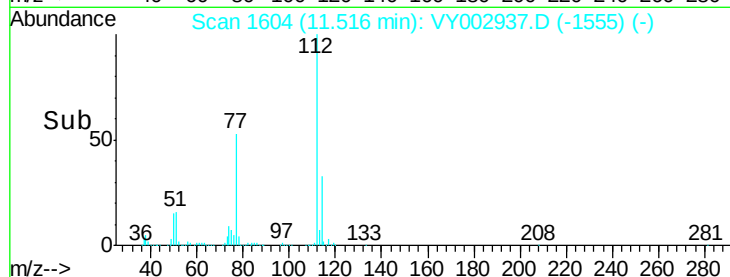
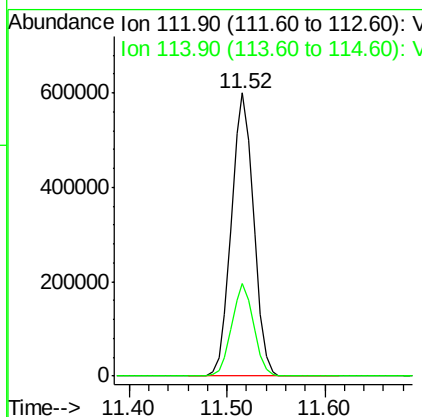
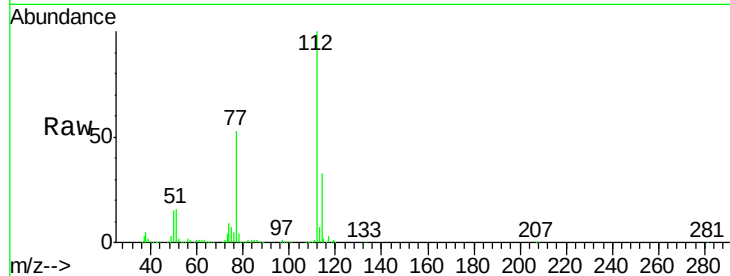
#65
Chlorobenzene
Concen: 102.356 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VY002937.D
Acq: 19 Jun 2020 14:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.6	26.0	39.0

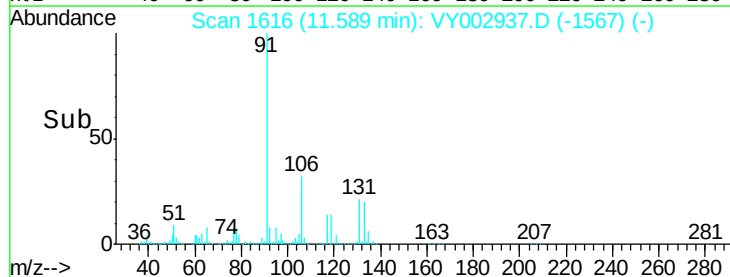
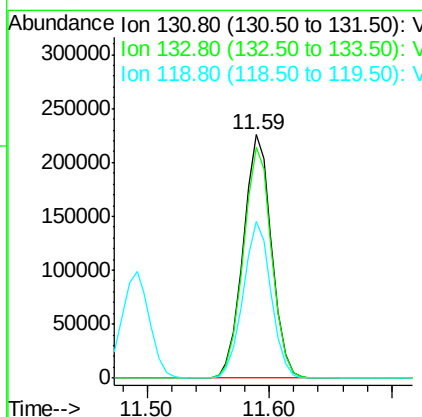
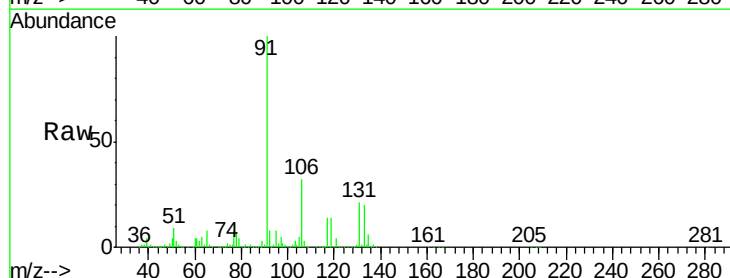
Manual Integrations
APPROVED

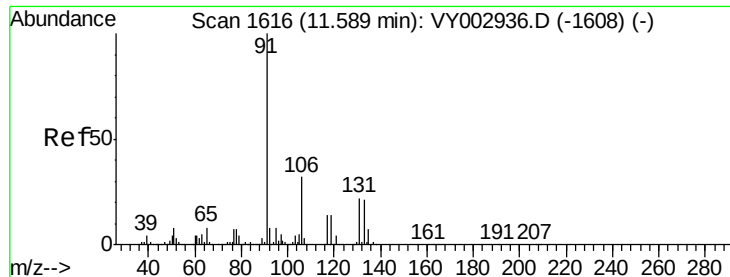
MMDadoda
6/22/2020 2:06:56 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 103.912 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VY002937.D
Acq: 19 Jun 2020 14:24

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.0	47.7	143.1
119	63.3	31.5	94.5





#67

Ethyl Benzene

Concen: 104.604 ug/l

RT: 11.59 min Scan# 1616

Delta R.T. 0.00 min

Lab File: VY002937.D

Acq: 19 Jun 2020 14:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 1659512

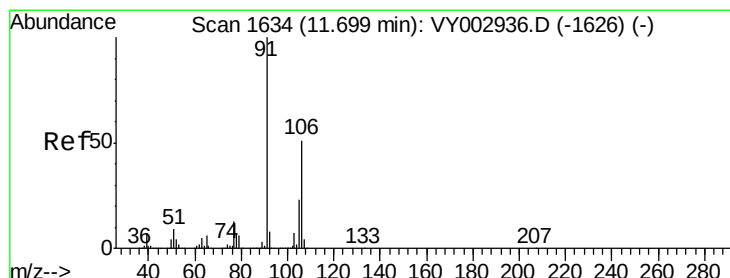
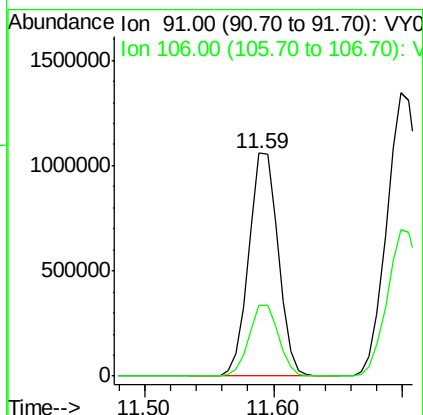
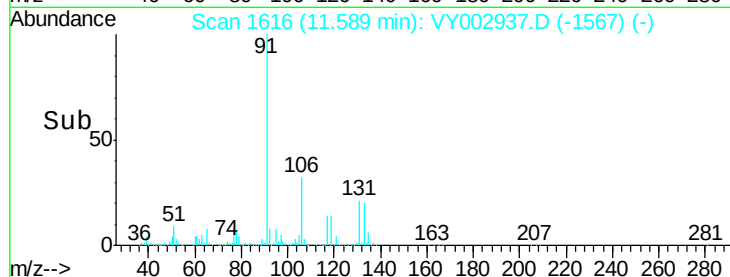
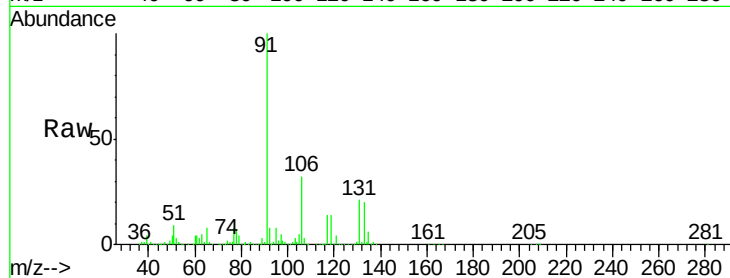
Ion Ratio Lower Upper

91 100

106 32.1 25.8 38.8

Manual Integrations
APPROVED

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#68

m/p-Xylenes

Concen: 208.697 ug/l

RT: 11.70 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VY002937.D

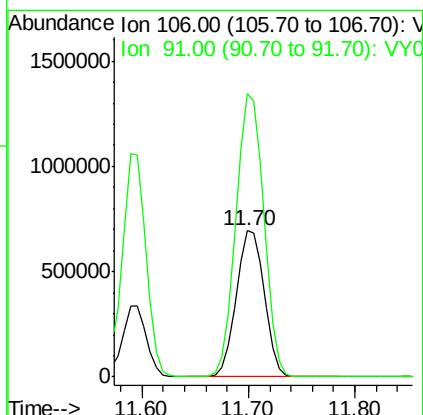
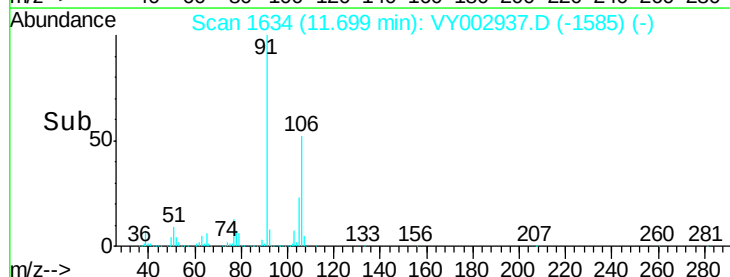
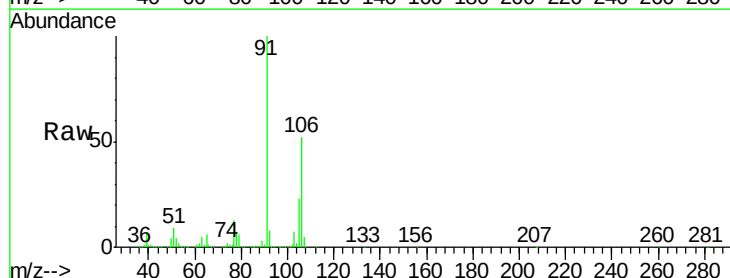
Acq: 19 Jun 2020 14:24

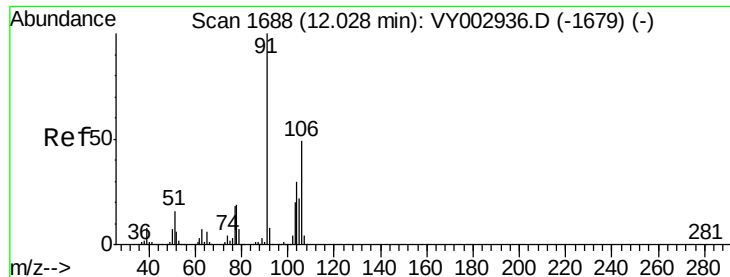
Tgt Ion: 106 Resp: 1286343

Ion Ratio Lower Upper

106 100

91 193.1 155.9 233.9





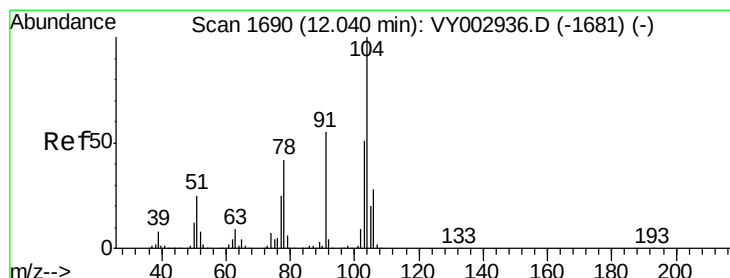
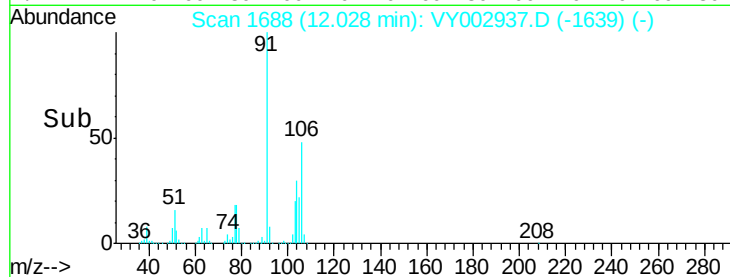
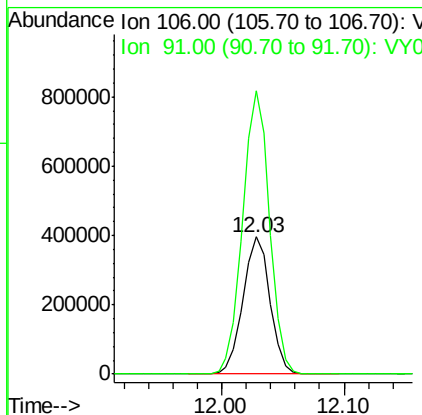
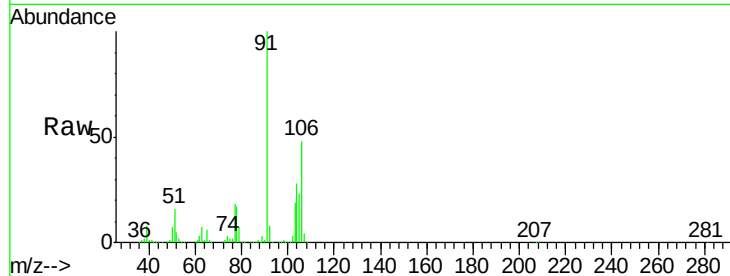
#69
o-Xylene
Concen: 104.103 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VY002937.D
Acq: 19 Jun 2020 14:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ion	Ratio	Lower	Upper
106	106	100		
91	91	205.2	102.1	306.1

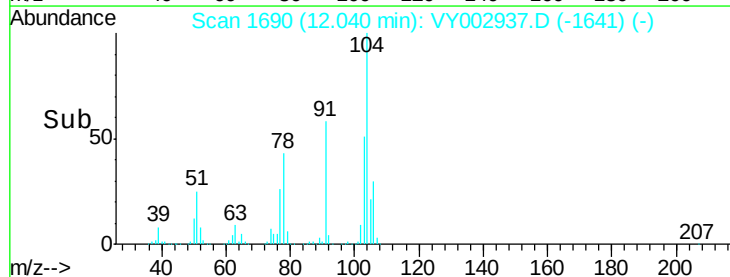
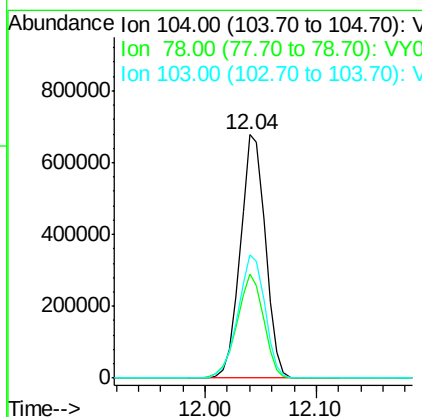
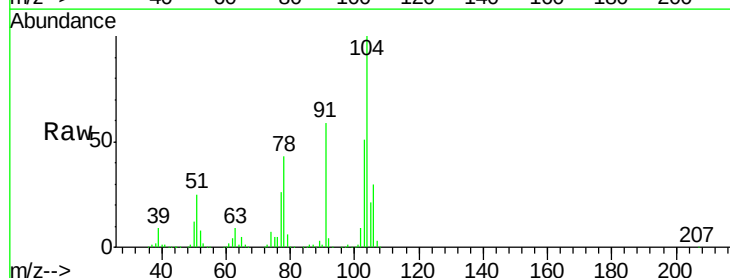
Manual Integrations
APPROVED

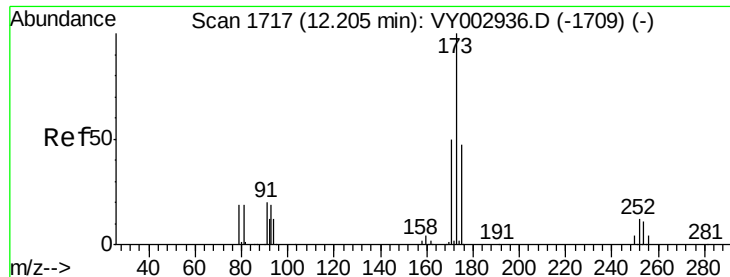
MMDadoda
6/22/2020 2:06:56 PM



#70
Styrene
Concen: 105.301 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VY002937.D
Acq: 19 Jun 2020 14:24

Tgt Ion	Ion	Ratio	Lower	Upper
104	104	100		
78	78	45.6	36.9	55.3
103	103	54.4	43.7	65.5





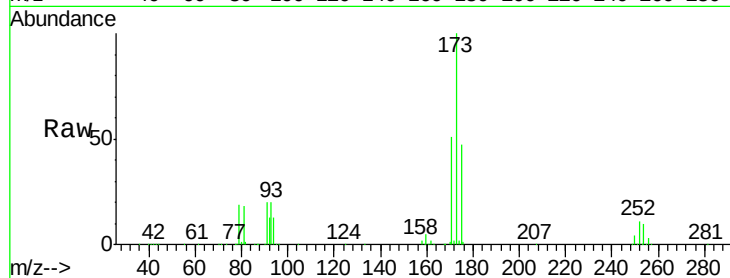
#71
Bromoform
Concen: 104.614 ug/l
RT: 12.20 min Scan# 1717
Delta R.T. 0.00 min
Lab File: VY002937.D
Acq: 19 Jun 2020 14:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.9	23.9	71.8
254	0.1	0.1	0.1#

Manual Integrations
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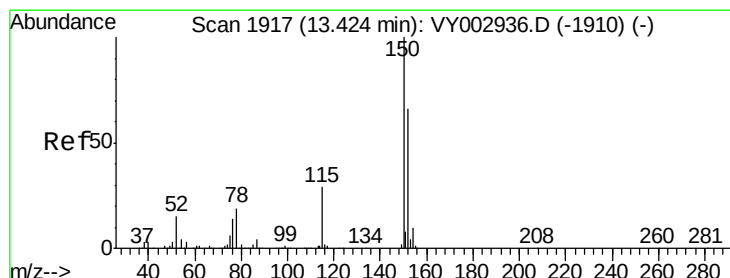
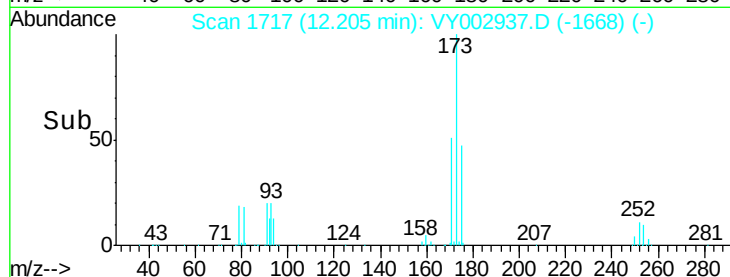
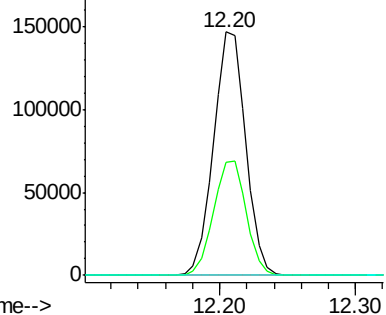


Abundance

Ion 172.70 (172.40 to 173.40): V

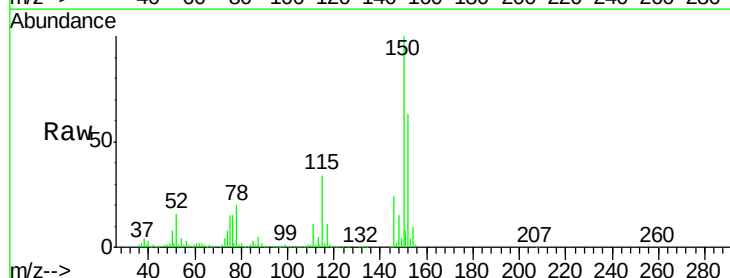
Ion 174.70 (174.40 to 175.40): V

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: VY002937.D
Acq: 19 Jun 2020 14:24

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.7	26.9	80.6
150	187.4	0.0	341.8

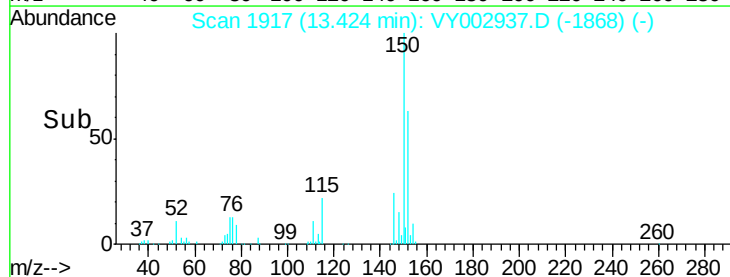
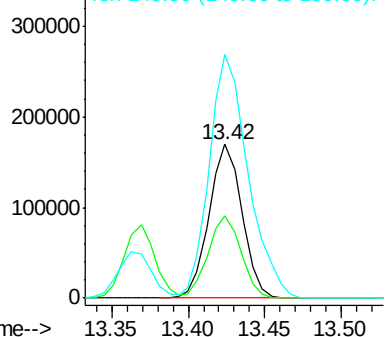


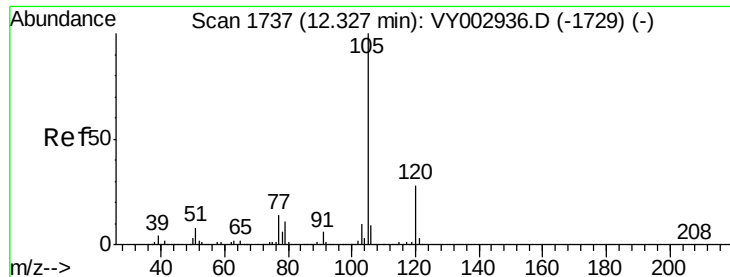
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 105.111 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VY002937.D

Acq: 19 Jun 2020 14:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1621892

Ion Ratio Lower Upper

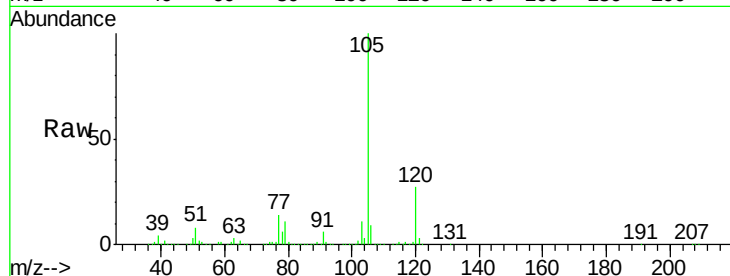
105 100

120 27.8 14.0 41.9

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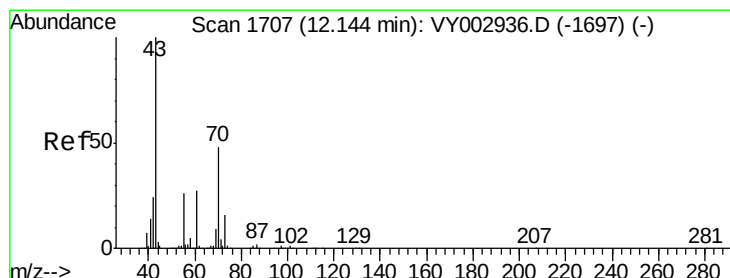
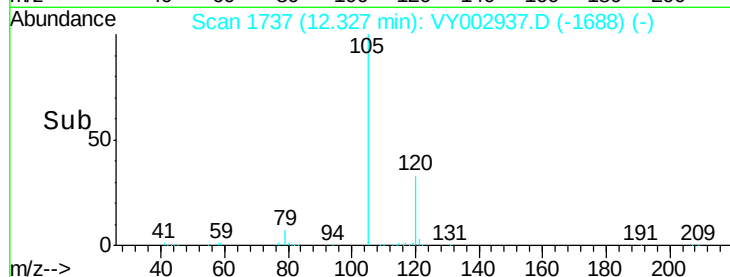
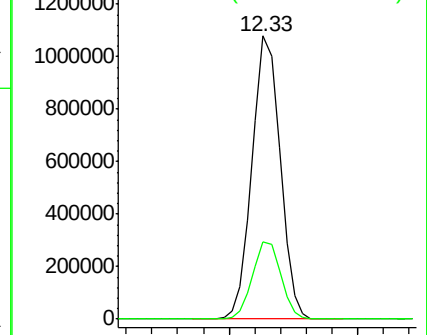
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 107.543 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VY002937.D

Acq: 19 Jun 2020 14:24

Tgt Ion: 43 Resp: 421967

Ion Ratio Lower Upper

43 100

70 47.7 38.0 57.0

55 24.1 20.3 30.5

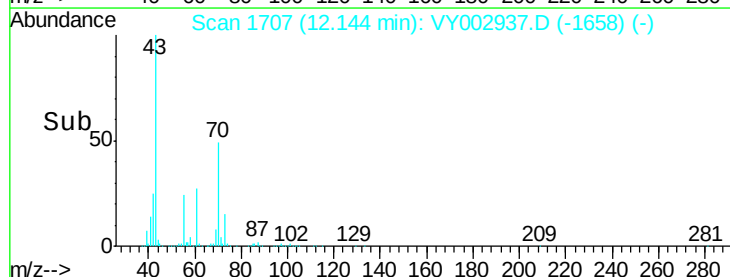
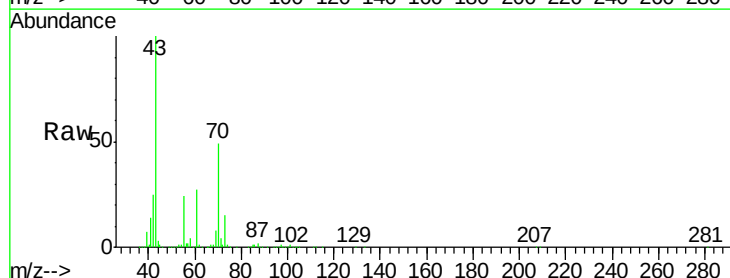
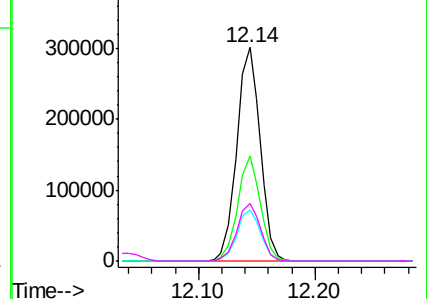
61 26.9 21.4 32.2

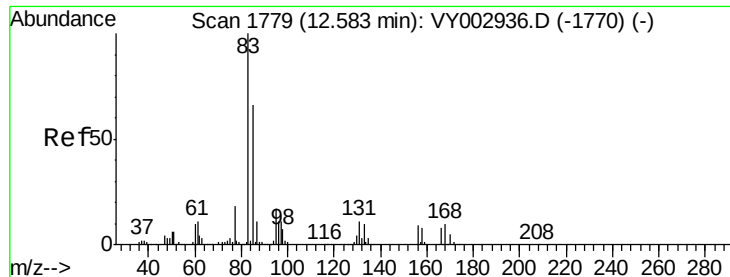
Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0





#75

1,1,2,2-Tetrachloroethane

Concen: 103.412 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VY002937.D

Acq: 19 Jun 2020 14:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion: 83 Resp: 295888

Ion Ratio Lower Upper

83 100

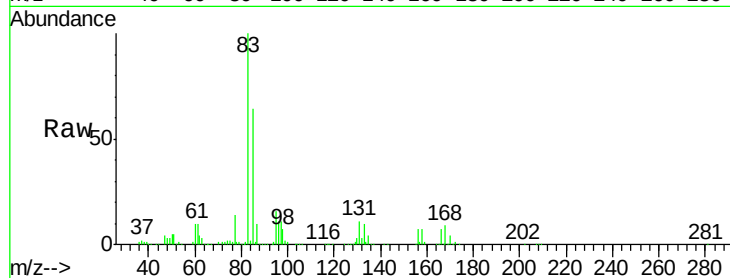
131 11.8 5.9 17.7

85 64.7 32.8 98.3

Manual Integrations
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MMDadoda

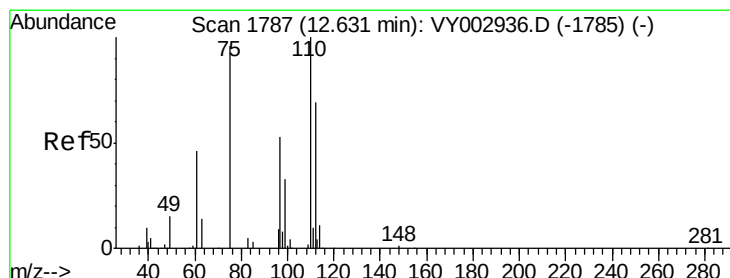
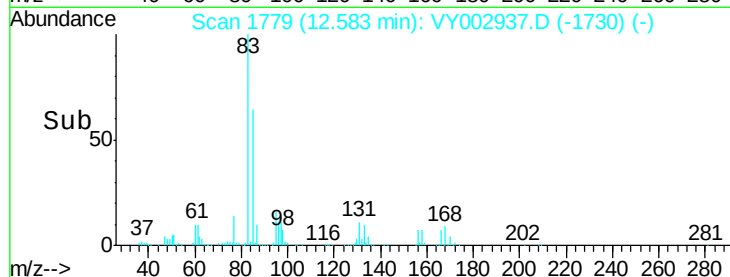
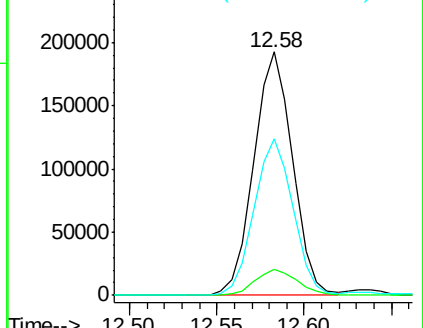
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Abundance Ion 82.90 (82.60 to 83.60): VY0

Ion 130.80 (130.50 to 131.50): VY0

Ion 84.90 (84.60 to 85.60): VY0



#76

1,2,3-Trichloropropane

Concen: 63.486 ug/l m

RT: 12.63 min Scan# 1787

Delta R.T. 0.00 min

Lab File: VY002937.D

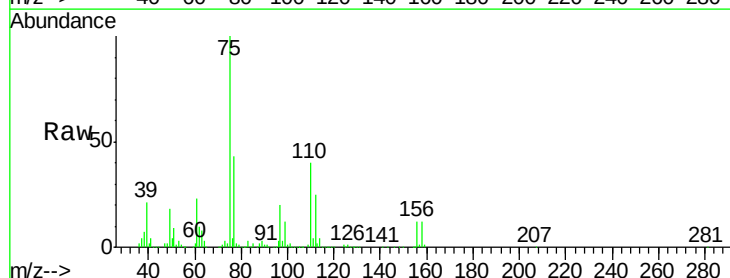
Acq: 19 Jun 2020 14:24

Tgt Ion: 75 Resp: 227608

Ion Ratio Lower Upper

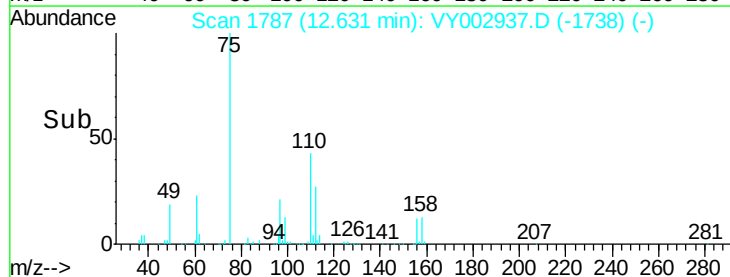
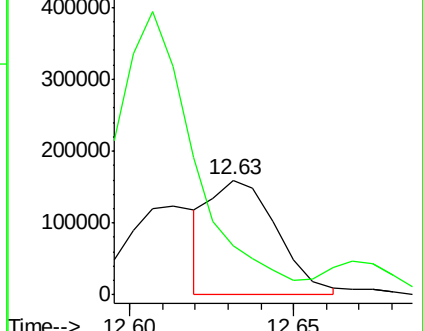
75 100

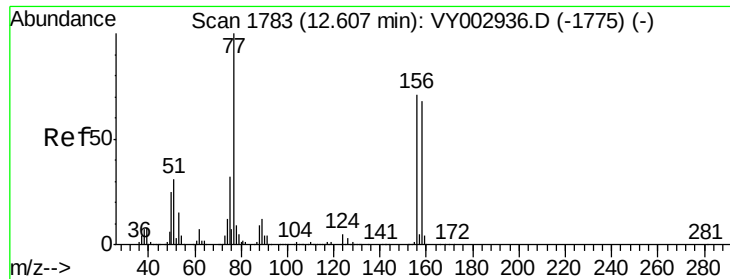
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0





#77

Bromobenzene

Concen: 103.288 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VY002937.D

Acq: 19 Jun 2020 14:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tot Ion:156 Resp: 418760

Ion Ratio Lower Upper

156 100

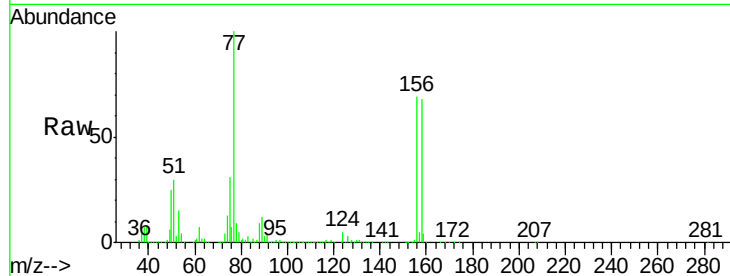
77 161.0 80.5 241.5

158 97.2 48.2 144.6

Manual Integrations
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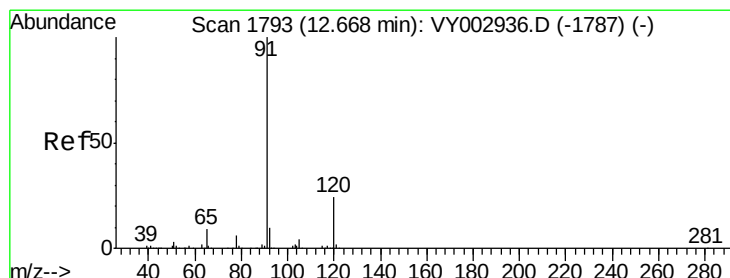
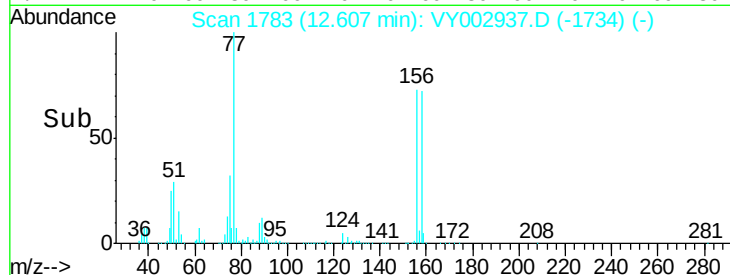
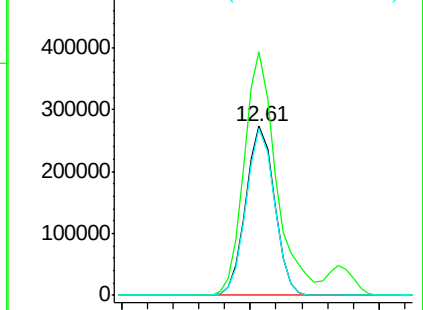
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 104.563 ug/l

RT: 12.67 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VY002937.D

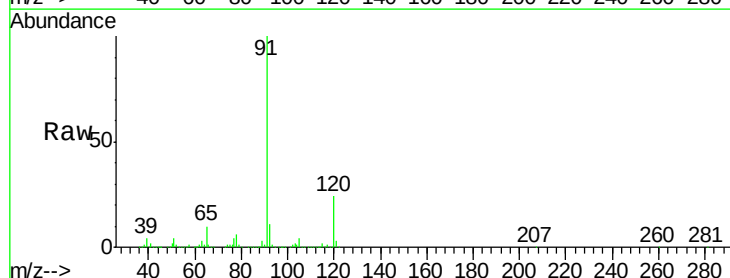
Acq: 19 Jun 2020 14:24

Tgt Ion: 91 Resp: 1877154

Ion Ratio Lower Upper

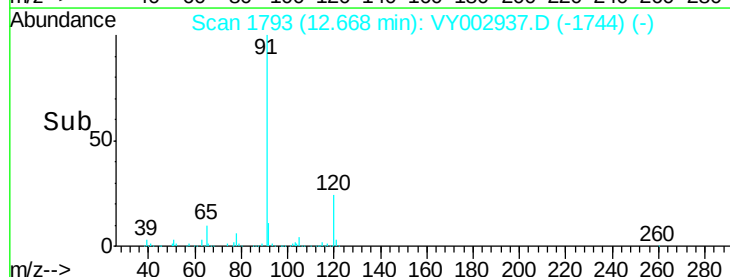
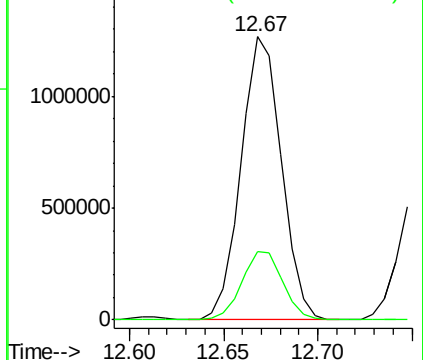
91 100

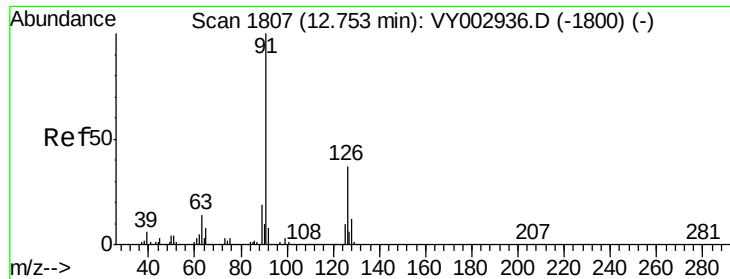
120 24.5 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 103.726 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VY002937.D

Acq: 19 Jun 2020 14:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tot Ion: 91 Resp: 1043541

Ion Ratio Lower Upper

91 100

126 37.2

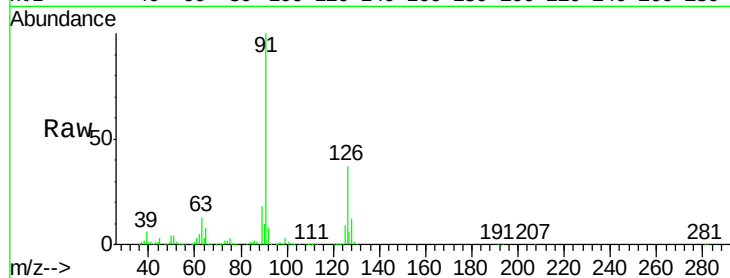
18.5 55.5

Manual Integrations

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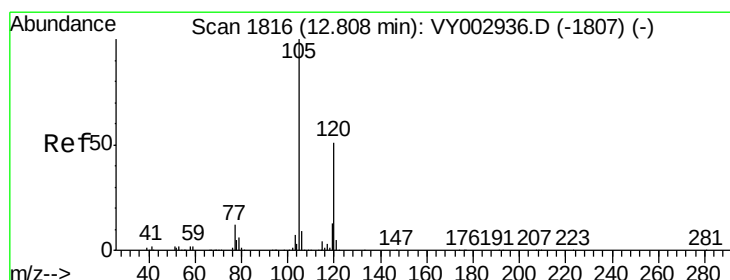
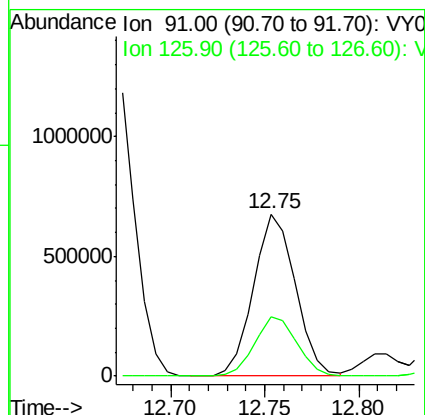
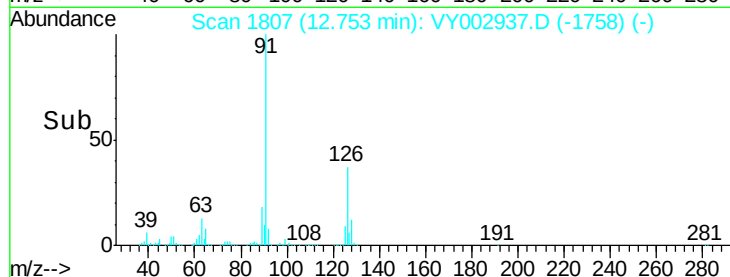
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Abundance Ion 91.00 (90.70 to 91.70): VY002937.D (-1758) (-)

Ion 125.90 (125.60 to 126.60): VY002937.D (-1758) (-)



#80

1,3,5-Trimethylbenzene

Concen: 105.020 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. 0.00 min

Lab File: VY002937.D

Acq: 19 Jun 2020 14:24

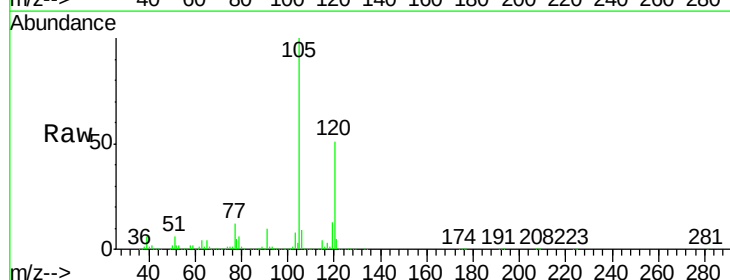
Tgt Ion: 105 Resp: 1351092

Ion Ratio Lower Upper

105 100

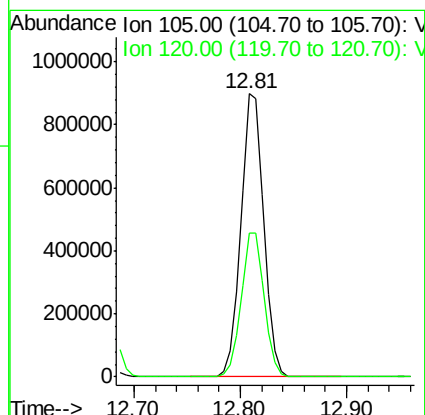
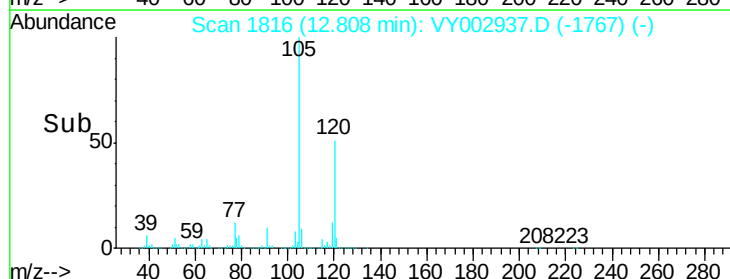
120 51.0

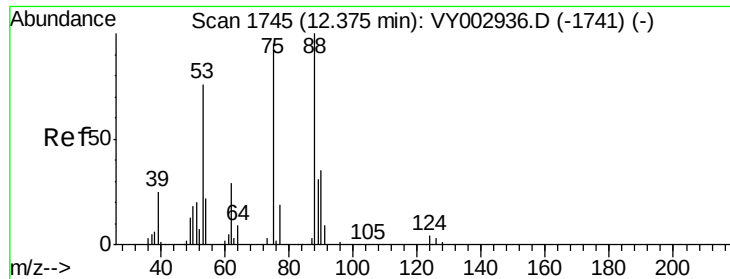
25.6 76.6



Abundance Ion 105.00 (104.70 to 105.70): VY002937.D (-1767) (-)

Ion 120.00 (119.70 to 120.70): VY002937.D (-1767) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 108.721 ug/l

RT: 12.38 min Scan# 1745

Delta R.T. 0.00 min

Lab File: VY002937.D

Acq: 19 Jun 2020 14:24

Instrument :

MSVOA_Y

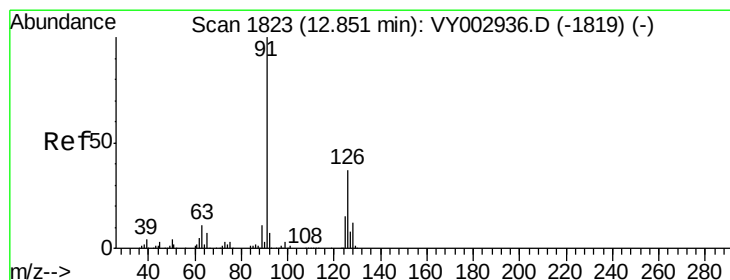
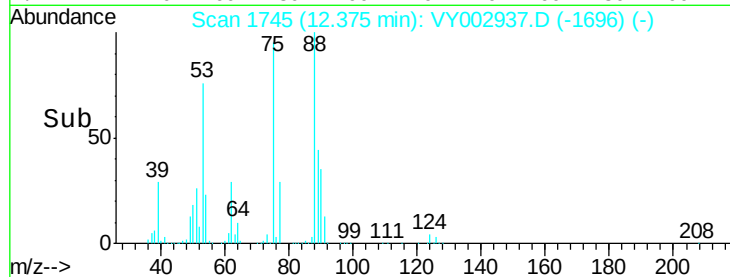
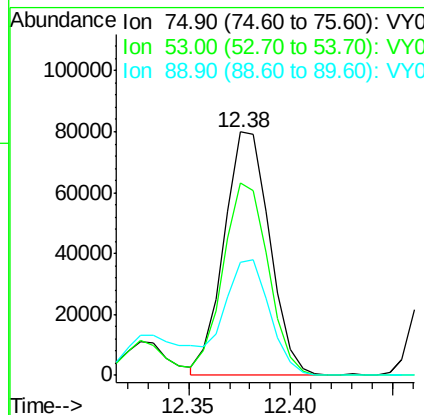
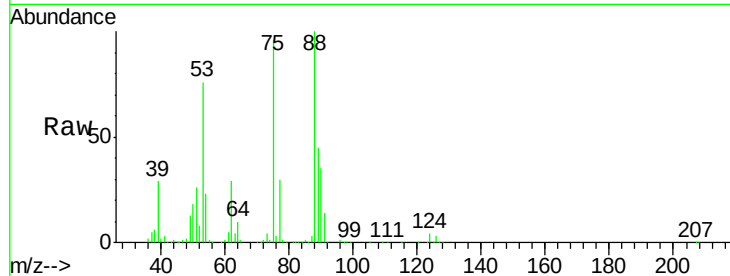
ClientSampleId :

VSTDIC100

Tot Ion:	75	Resp:	122930
Ion	Ratio	Lower	Upper
75	100		
53	78.7	65.1	97.7
89	47.0	38.4	57.6

Manual Integrations
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#82

4-Chlorotoluene

Concen: 102.993 ug/l

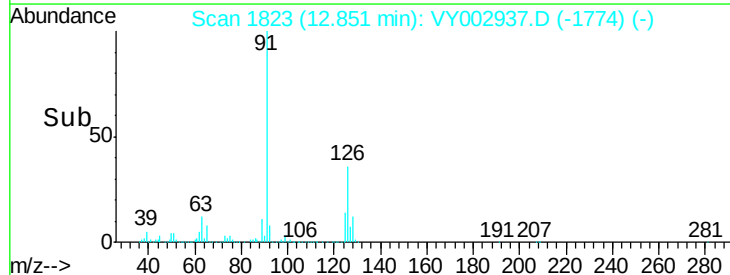
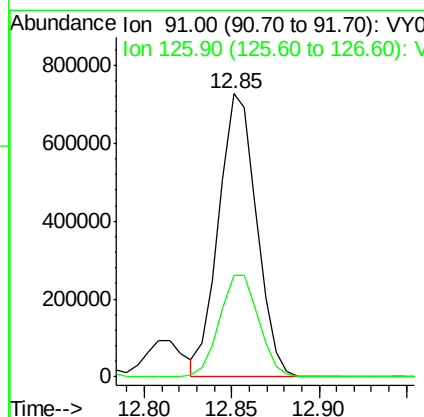
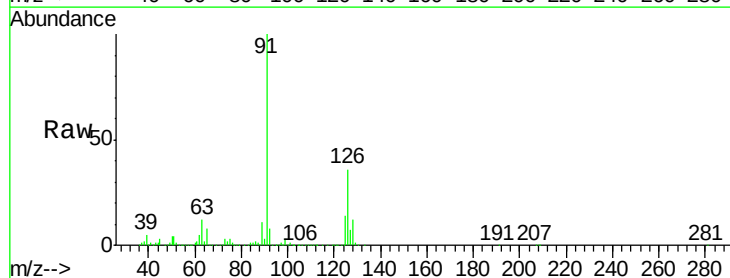
RT: 12.85 min Scan# 1823

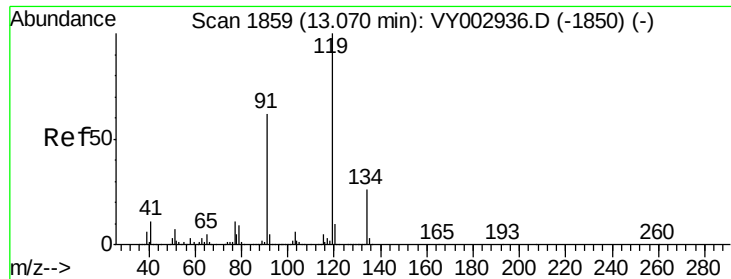
Delta R.T. 0.00 min

Lab File: VY002937.D

Acq: 19 Jun 2020 14:24

Tgt Ion:	91	Resp:	1093158
Ion	Ratio	Lower	Upper
91	100		
126	37.1	18.6	55.8





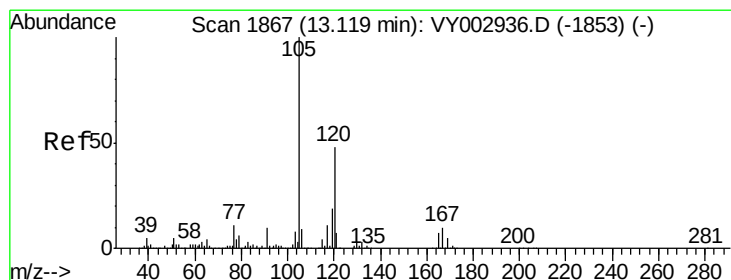
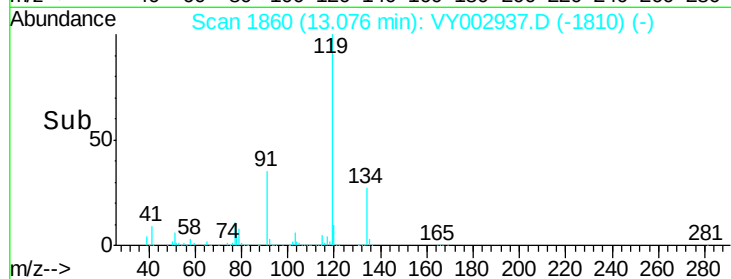
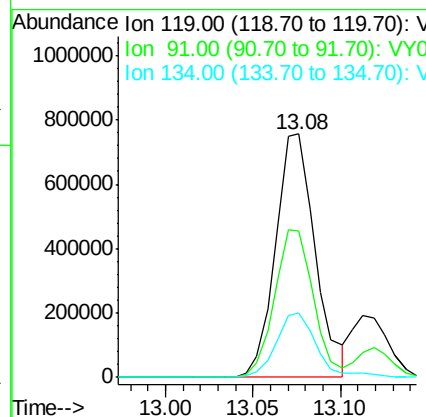
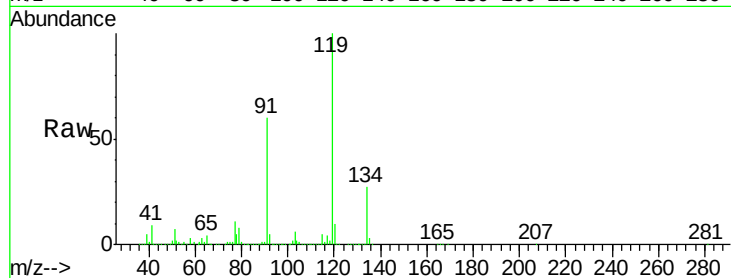
#83
 tert-Butylbenzene
 Concen: 103.756 ug/l
 RT: 13.08 min Scan# 1860
 Delta R.T. 0.01 min
 Lab File: VY002937.D
 Acq: 19 Jun 2020 14:24

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
119	100		
91	59.4	29.9	89.7
134	27.1	13.3	39.8

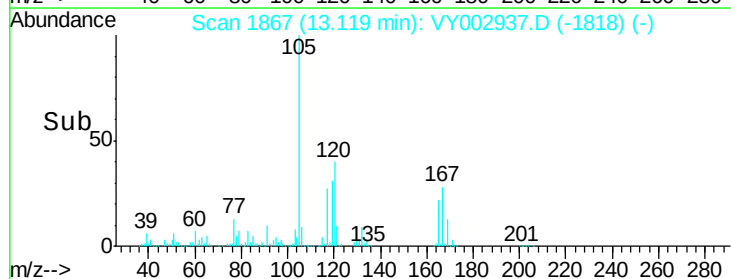
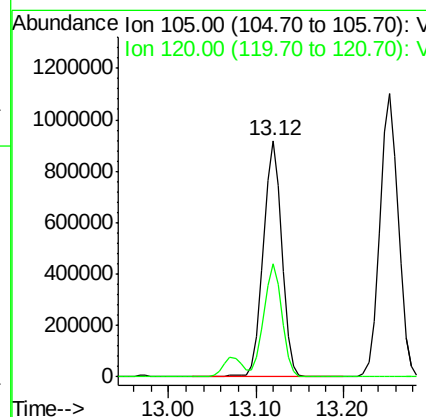
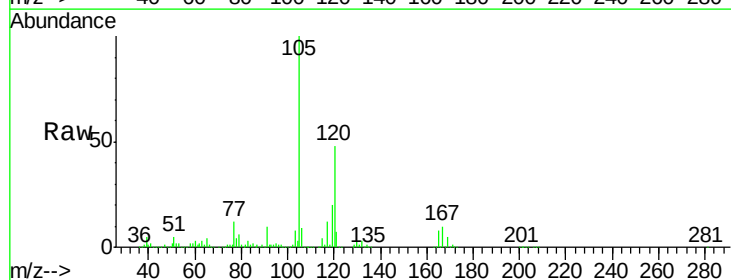
Manual Integrations
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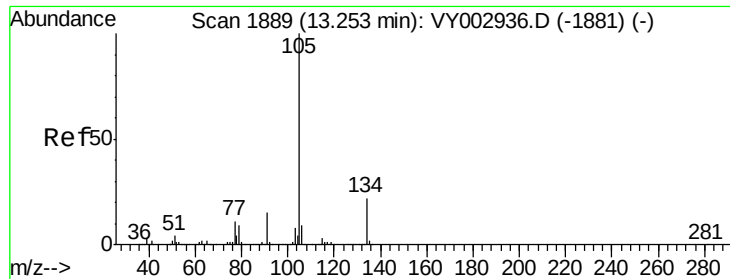
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#84
 1,2,4-Trimethylbenzene
 Concen: 103.755 ug/l
 RT: 13.12 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VY002937.D
 Acq: 19 Jun 2020 14:24

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.8	23.5	70.5





#85

sec-Butylbenzene

Concen: 101.584 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. 0.00 min

Lab File: VY002937.D

Acq: 19 Jun 2020 14:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1609518

Ion Ratio Lower Upper

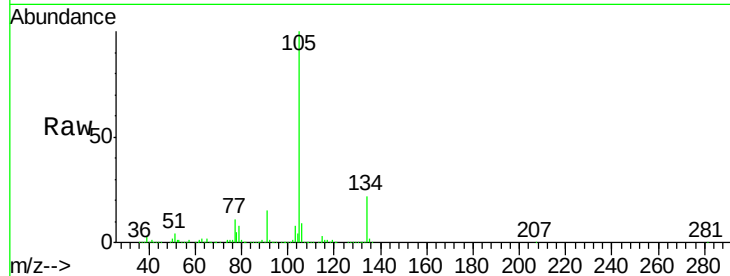
105 100

134 21.8 10.8 32.4

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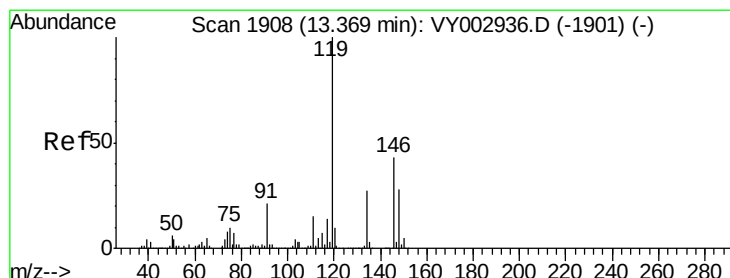
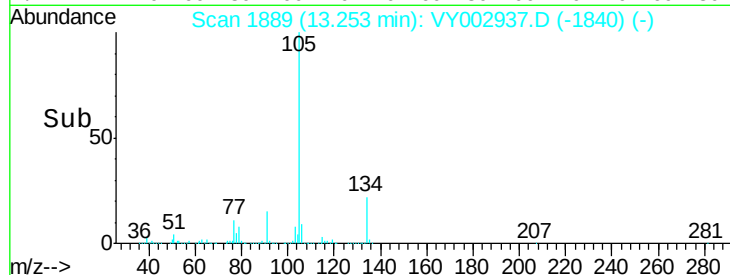
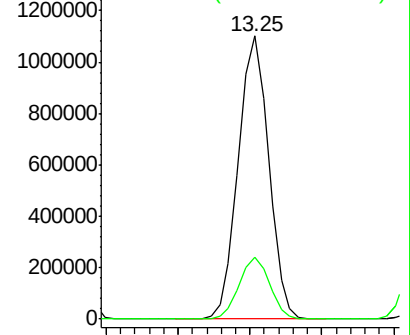
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 103.225 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. 0.00 min

Lab File: VY002937.D

Acq: 19 Jun 2020 14:24

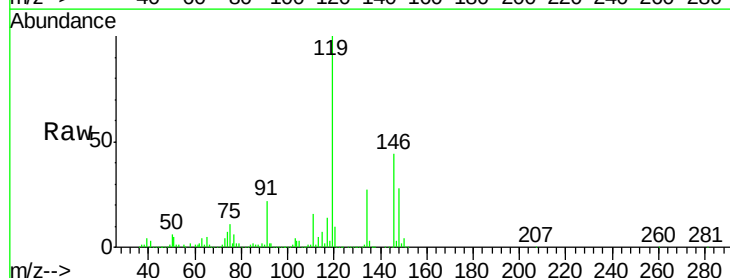
Tgt Ion:119 Resp: 1528173

Ion Ratio Lower Upper

119 100

134 27.3 13.6 40.8

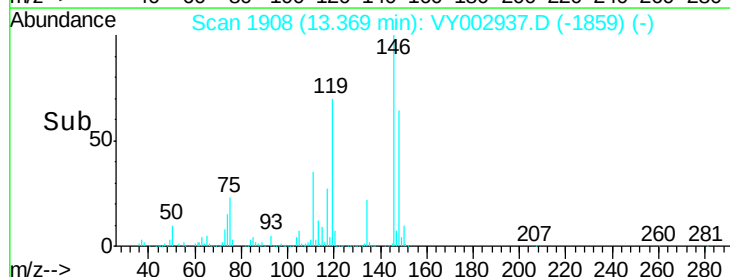
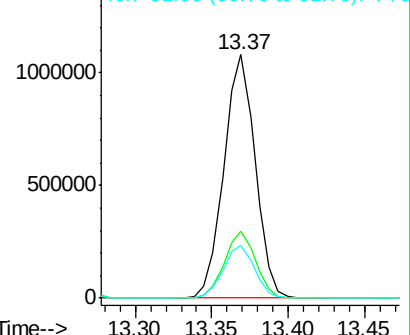
91 21.8 10.8 32.4

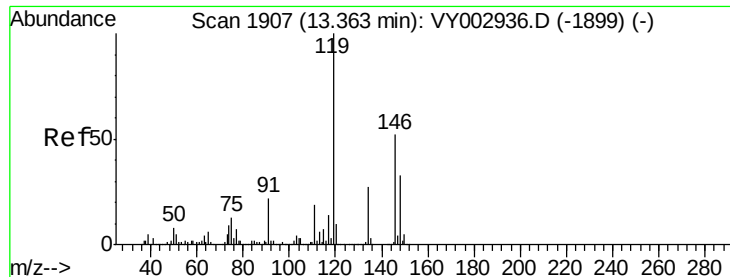


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0





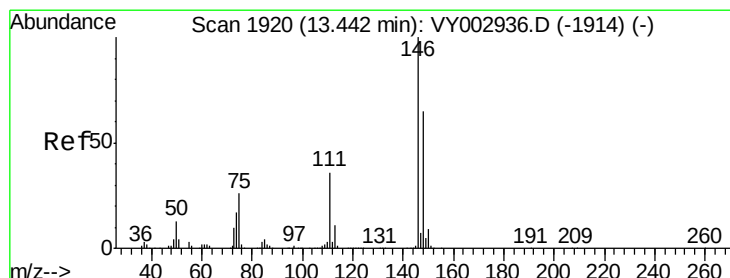
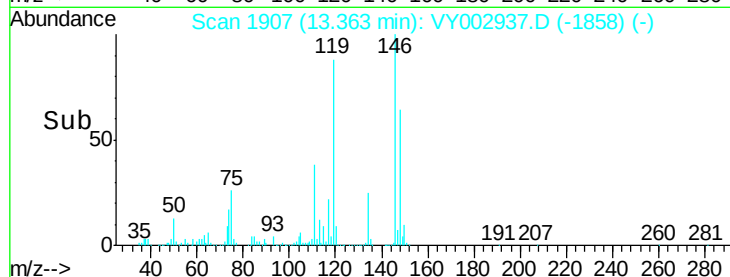
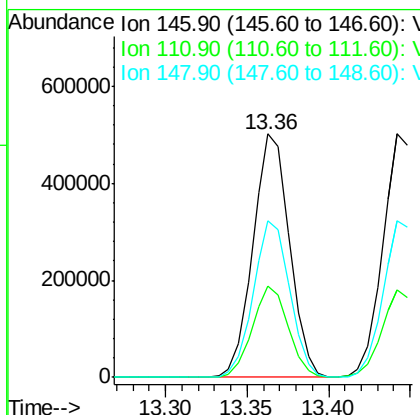
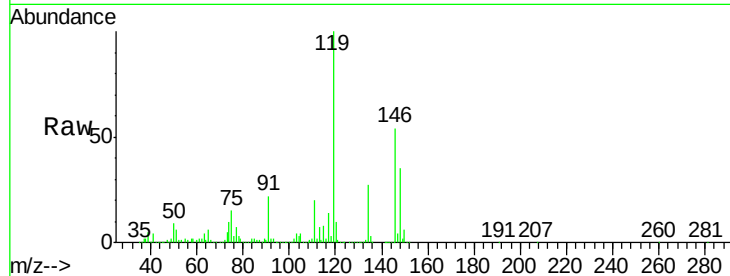
#87
 1,3-Dichlorobenzene
 Concen: 101.306 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. 0.00 min
 Lab File: VY002937.D
 Acq: 19 Jun 2020 14:24

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.7	18.2	54.6
148	63.9	31.9	95.7

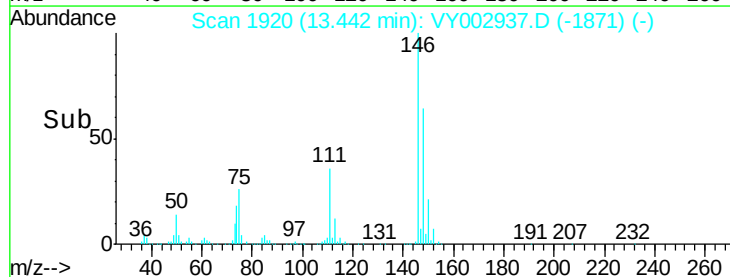
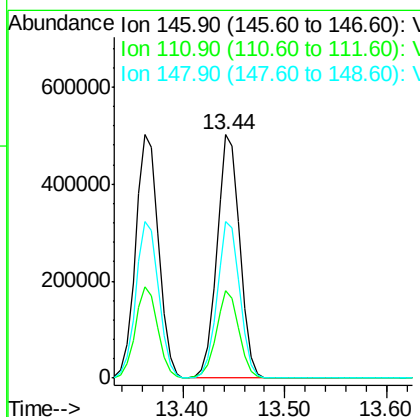
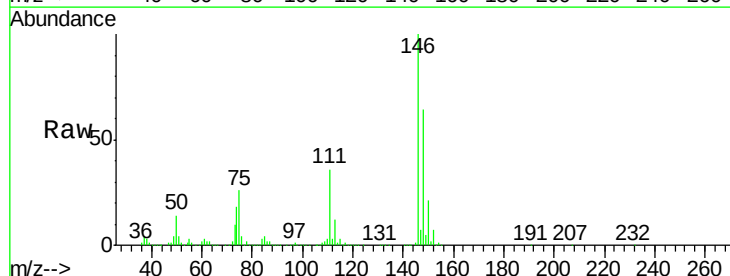
Manual Integrations
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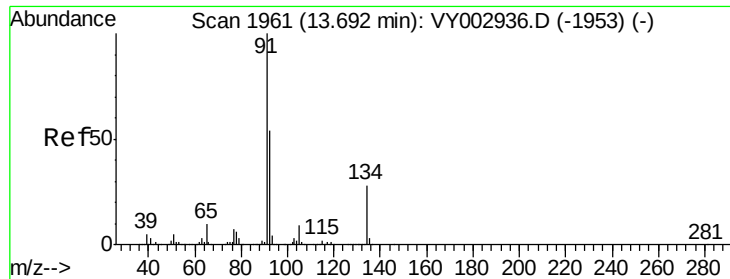
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#88
 1,4-Dichlorobenzene
 Concen: 101.225 ug/l
 RT: 13.44 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VY002937.D
 Acq: 19 Jun 2020 14:24

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.5	17.9	53.8
148	63.9	32.1	96.5





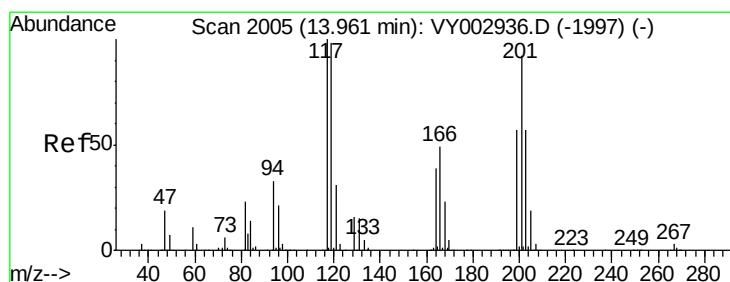
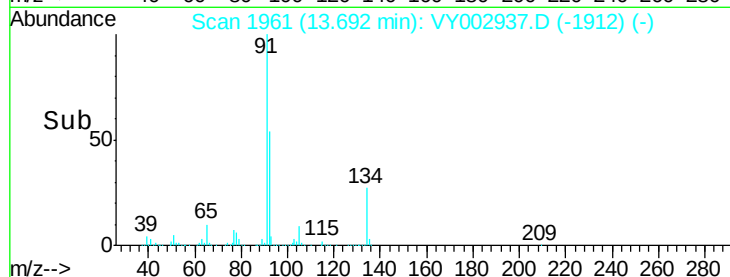
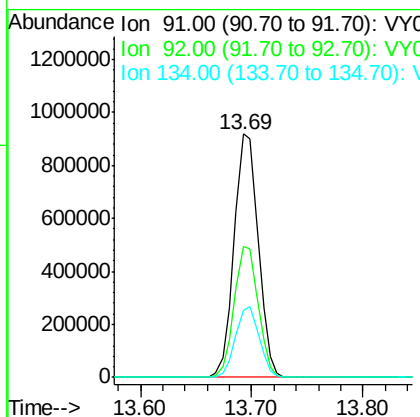
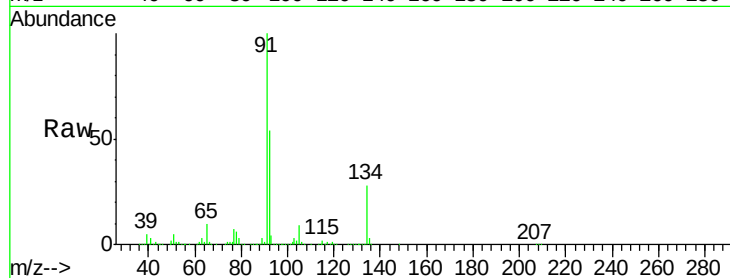
#89
n-Butylbenzene
Concen: 102.344 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. 0.00 min
Lab File: VY002937.D
Acq: 19 Jun 2020 14:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 1375299
Ion Ratio Lower Upper
91 100
92 53.8 27.0 80.8
134 28.8 14.5 43.5

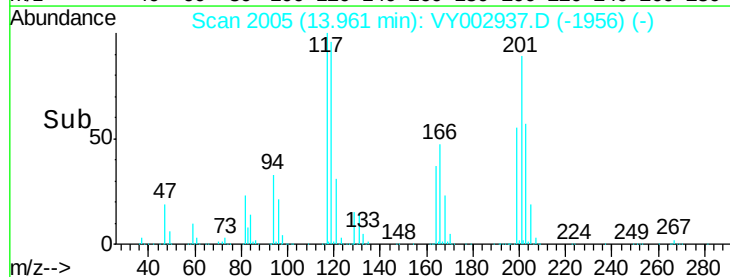
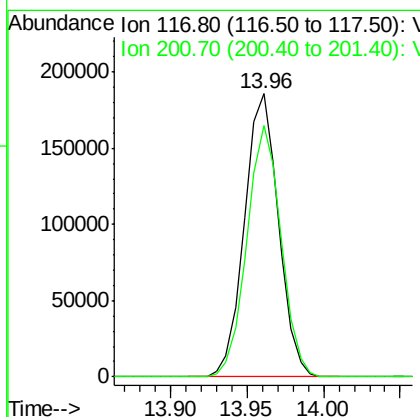
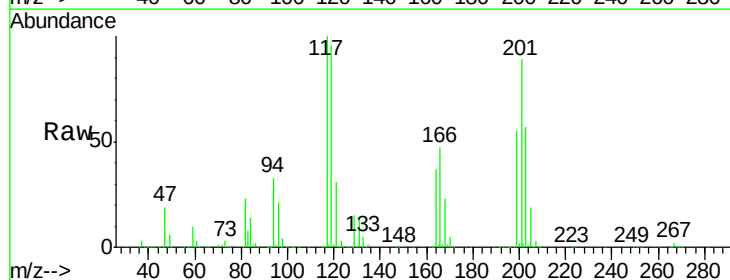
Manual Integrations
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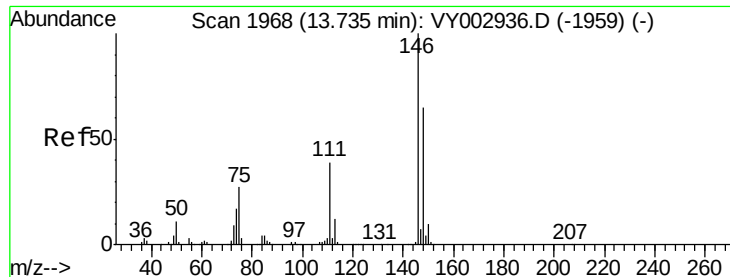
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#90
Hexachloroethane
Concen: 105.027 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. 0.00 min
Lab File: VY002937.D
Acq: 19 Jun 2020 14:24

Tgt Ion: 117 Resp: 287522
Ion Ratio Lower Upper
117 100
201 88.8 45.1 135.5





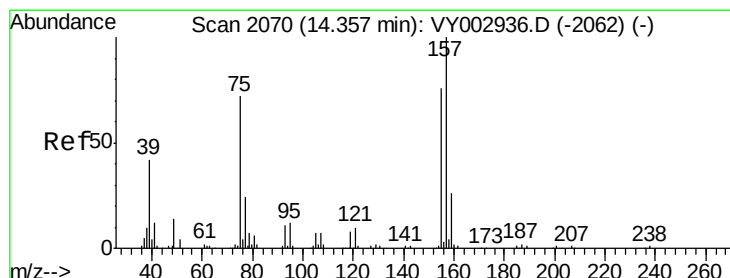
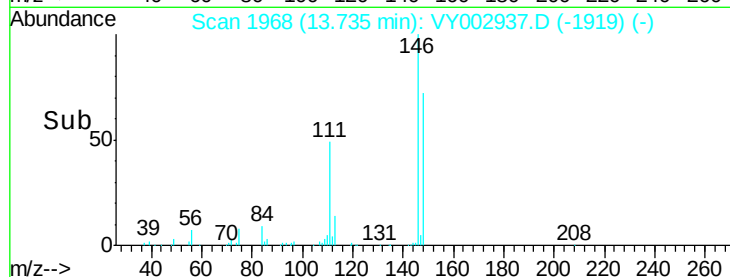
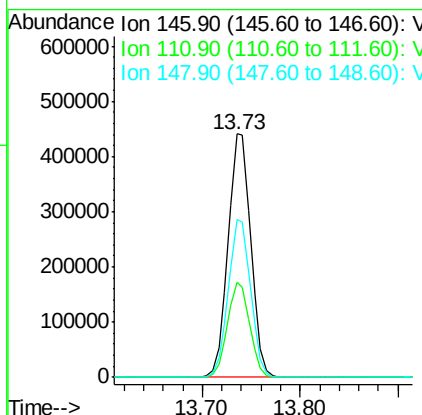
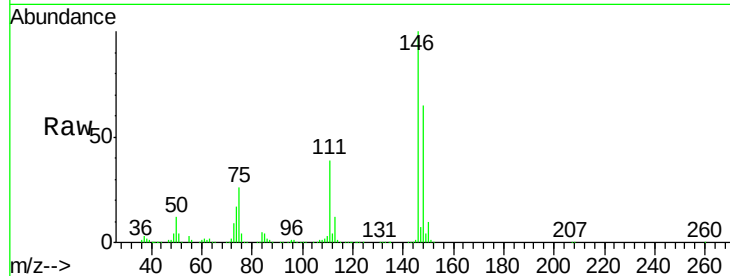
#91
 1,2-Dichlorobenzene
 Concen: 100.699 ug/l
 RT: 13.73 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VY002937.D
 Acq: 19 Jun 2020 14:24

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	18.9	56.9
148	64.0	32.0	96.2

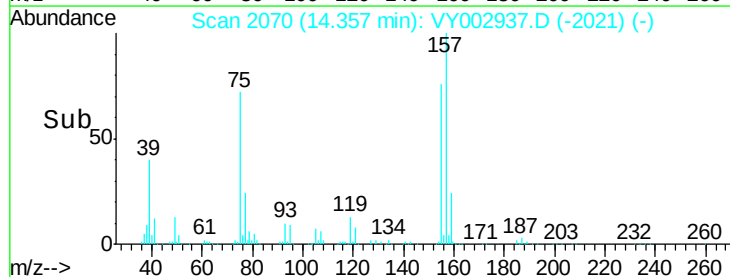
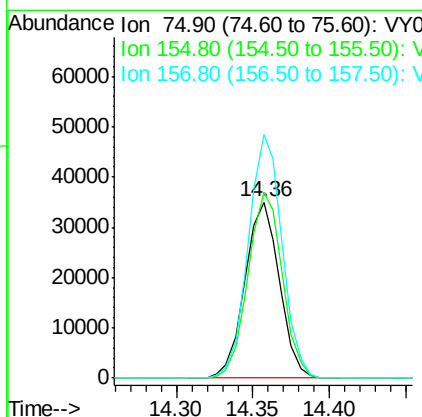
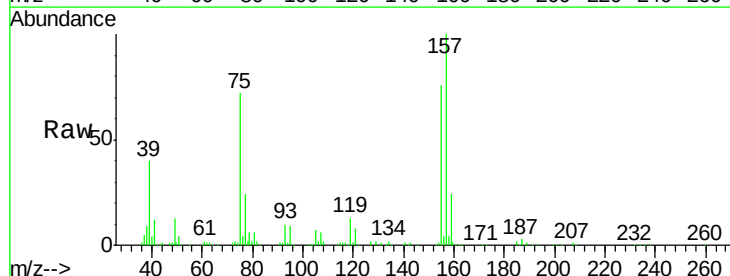
Manual Integrations
 APPROVED

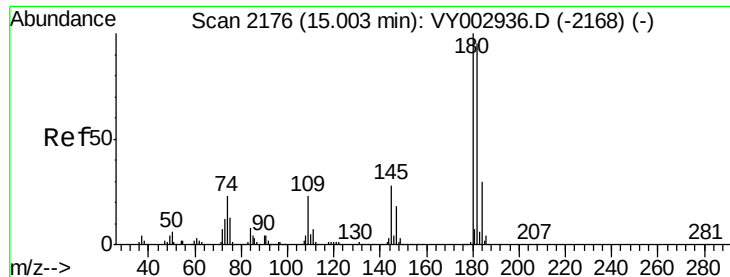
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 101.901 ug/l
 RT: 14.36 min Scan# 2070
 Delta R.T. 0.00 min
 Lab File: VY002937.D
 Acq: 19 Jun 2020 14:24

Tgt Ion	Ratio	Lower	Upper
75	100		
155	105.3	53.1	159.4
157	135.9	69.0	206.9





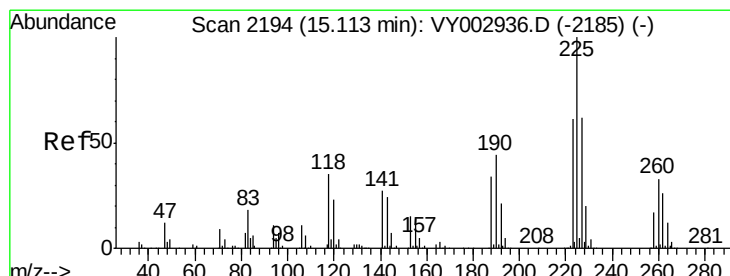
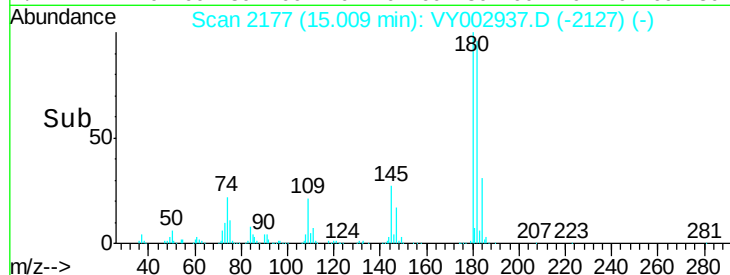
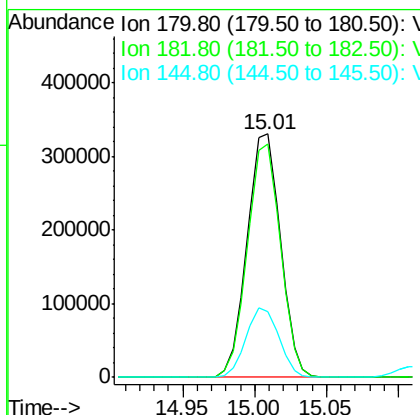
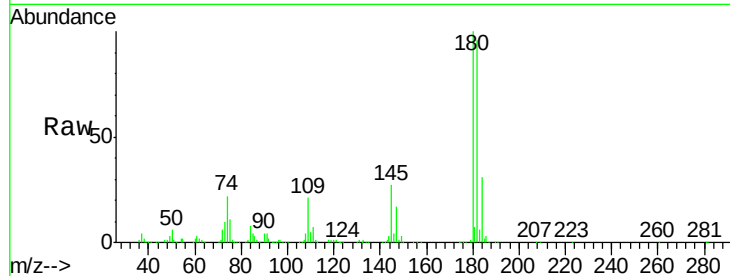
#93
 1,2,4-Trichlorobenzene
 Concen: 100.532 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. 0.01 min
 Lab File: VY002937.D
 Acq: 19 Jun 2020 14:24

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.2	47.9	143.6	
145	28.5	14.1	42.3	

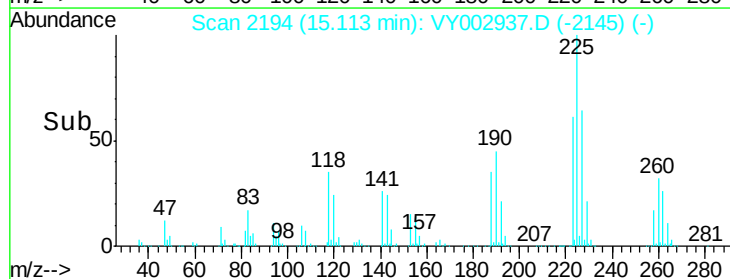
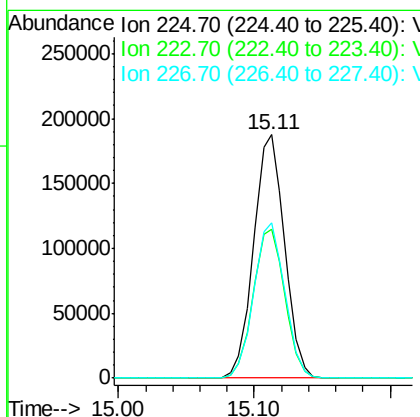
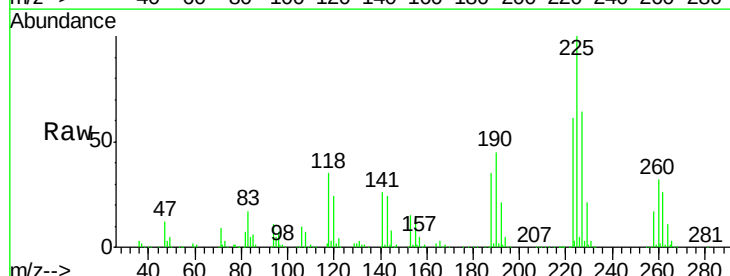
Manual Integrations
 APPROVED

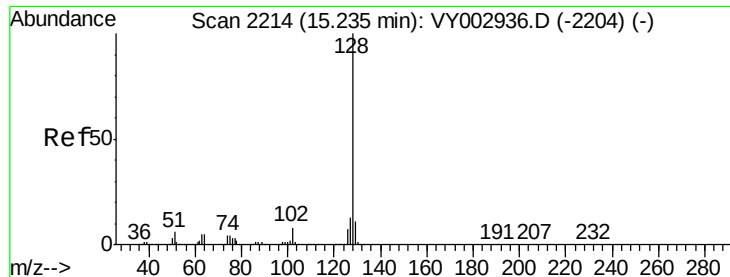
MMDadoda
 6/22/2020 2:06:56 PM



#94
 Hexachlorobutadiene
 Concen: 97.280 ug/l
 RT: 15.11 min Scan# 2194
 Delta R.T. 0.00 min
 Lab File: VY002937.D
 Acq: 19 Jun 2020 14:24

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.8	31.3	93.8	
227	64.1	31.9	95.7	





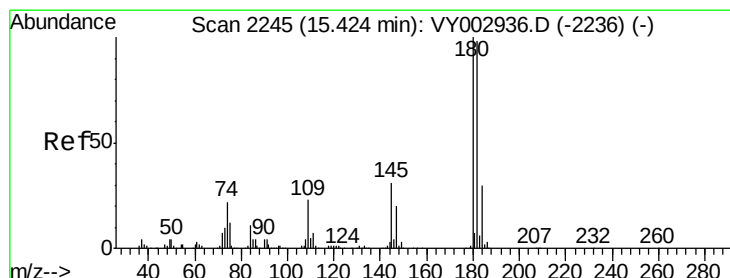
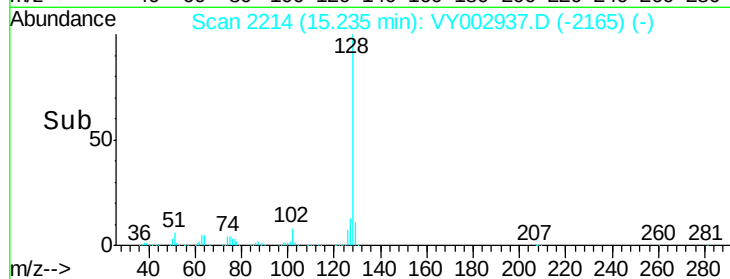
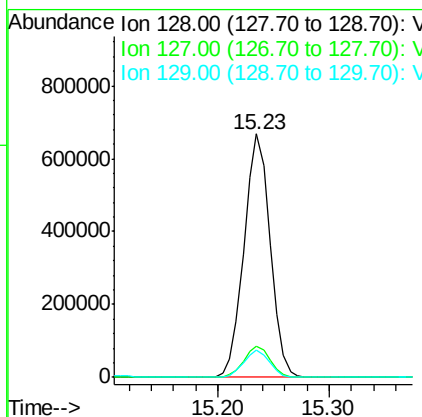
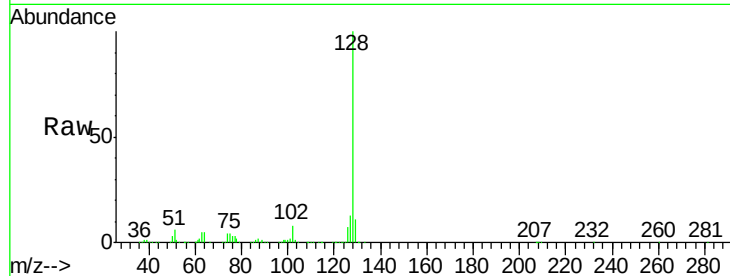
#95
Naphthalene
Concen: 105.813 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VY002937.D
Acq: 19 Jun 2020 14:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.4
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
6/22/2020 2:06:56 PM



#96
1,2,3-Trichlorobenzene
Concen: 100.947 ug/l
RT: 15.42 min Scan# 2245
Delta R.T. 0.00 min
Lab File: VY002937.D
Acq: 19 Jun 2020 14:24

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.8	143.3
145	30.0	15.0	45.0

