

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY030420\
 Data File : VY001847.D
 Acq On : 04 Mar 2020 12:16
 Operator : SY/MD
 Sample : VSTDICC150
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

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 3/5/2020 1:37:14 PM

Quant Time: Mar 04 17:51:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 04 17:21:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	184554	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	338579	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	297132	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	129098	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.17	65	279513	142.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	284.44%	
35) Dibromofluoromethane	7.74	113	268780	145.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	290.66%	
50) Toluene-d8	10.19	98	1123365	144.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	288.44%	
62) 4-Bromofluorobenzene	12.49	95	377959	139.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	279.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	231014	137.749	ug/l	97
3) Chloromethane	2.13	50	308216	137.523	ug/l	100
4) Vinyl Chloride	2.26	62	322679	141.108	ug/l	100
5) Bromomethane	2.65	94	182108	121.544	ug/l	96
6) Chloroethane	2.80	64	199527	137.730	ug/l	97
7) Trichlorofluoromethane	3.14	101	436928	138.774	ug/l	96
8) Diethyl Ether	3.55	74	175836	143.657	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.93	101	288005	144.033	ug/l	100
10) Methyl Iodide	4.12	142	365367	157.441	ug/l	99
11) Tert butyl alcohol	4.99	59	142197	627.712	ug/l	100
12) 1,1-Dichloroethene	3.90	96	297075	147.203	ug/l	98
13) Acrolein	3.76	56	187705	683.955	ug/l	99
14) Allyl chloride	4.51	41	520497	144.186	ug/l	99
15) Acrylonitrile	5.20	53	463585	709.007	ug/l	99
16) Acetone	3.97	43	394334	702.598	ug/l	97
17) Carbon Disulfide	4.22	76	1002007	148.271	ug/l	100
18) Methyl Acetate	4.51	43	200807	139.658	ug/l	100
19) Methyl tert-butyl Ether	5.26	73	792728	144.996	ug/l	96
20) Methylene Chloride	4.75	84	323352	132.961	ug/l	96
21) trans-1,2-Dichloroethene	5.25	96	332066	145.487	ug/l	97
22) Diisopropyl ether	6.15	45	1019661	139.967	ug/l	97
23) Vinyl Acetate	6.10	43	3387401	707.976	ug/l	97
24) 1,1-Dichloroethane	6.05	63	567422	144.004	ug/l	99
25) 2-Butanone	7.02	43	603720	698.339	ug/l	98
26) 2,2-Dichloropropane	7.02	77	472589	144.263	ug/l	100
27) cis-1,2-Dichloroethene	7.02	96	359761	145.141	ug/l	99
28) Bromochloromethane	7.36	49	259373	143.836	ug/l	96
29) Tetrahydrofuran	7.38	42	390475	686.102	ug/l	96
30) Chloroform	7.53	83	535229	143.288	ug/l	100
31) Cyclohexane	7.81	56	584071	137.505	ug/l	97
32) 1,1,1-Trichloroethane	7.73	97	459700	145.616	ug/l	99
36) 1,1-Dichloropropene	7.94	75	453192	142.504	ug/l	98
37) Ethyl Acetate	7.10	43	257344	135.872	ug/l	99
38) Carbon Tetrachloride	7.93	117	391303	143.779	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	614669	144.602	ug/l	99
40) Benzene	8.18	78	1337994	141.516	ug/l	99
41) Methacrylonitrile	7.35	41	119070m	53.128	ug/l	
42) 1,2-Dichloroethane	8.26	62	342583	140.393	ug/l	100
43) Isopropyl Acetate	8.30	43	499609	141.822	ug/l	100
44) Trichloroethene	8.96	130	328842	142.503	ug/l	98
45) 1,2-Dichloropropane	9.24	63	336664	141.112	ug/l	100
46) Dibromomethane	9.32	93	173538	140.390	ug/l	99
47) Bromodichloromethane	9.52	83	414545	145.082	ug/l	98
48) Methyl methacrylate	9.31	41	221512	138.753	ug/l	95
49) 1,4-Dioxane	9.32	88	46893	2877.021	ug/l	99
51) 4-Methyl-2-Pentanone	10.08	43	1255447	691.576	ug/l	99
52) Toluene	10.26	92	821462	143.304	ug/l	99
53) t-1,3-Dichloropropene	10.48	75	462316	148.151	ug/l	97
54) cis-1,3-Dichloropropene	9.94	75	539904	145.166	ug/l	99
55) 1,1,2-Trichloroethane	10.66	97	254596	141.156	ug/l	97
56) Ethyl methacrylate	10.52	69	389061	148.032	ug/l	99
57) 1,3-Dichloropropane	10.80	76	449025	140.579	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.80	63	627176	588.228	ug/l	100
59) 2-Hexanone	10.85	43	890846	690.182	ug/l	98
60) Dibromochloromethane	11.00	129	278481	146.911	ug/l	100
61) 1,2-Dibromoethane	11.10	107	243950	144.720	ug/l	100
64) Tetrachloroethene	10.73	164	252790	137.919	ug/l	99
65) Chlorobenzene	11.53	112	824317	142.115	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	275496	145.638	ug/l	99
67) Ethyl Benzene	11.60	91	1533551	141.479	ug/l	98
68) m/p-Xylenes	11.71	106	1127923	281.172	ug/l	99
69) o-Xylene	12.04	106	532610	141.161	ug/l	100
70) Styrene	12.05	104	937953	143.719	ug/l	100
71) Bromoform	12.22	173	160534	155.136	ug/l #	99
73) Isopropylbenzene	12.34	105	1444141	148.959	ug/l	99
74) N-amyl acetate	12.15	43	436326	146.770	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.59	83	309357	148.023	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	202188m	82.436	ug/l	
77) Bromobenzene	12.62	156	299509	145.490	ug/l	100
78) n-propylbenzene	12.68	91	1767754	147.831	ug/l	100
79) 2-Chlorotoluene	12.77	91	973245	147.153	ug/l	100
80) 1,3,5-Trimethylbenzene	12.82	105	1172047	147.628	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	118674	158.167	ug/l	97
82) 4-Chlorotoluene	12.86	91	1012250	147.775	ug/l	100
83) tert-Butylbenzene	13.08	119	966400	145.694	ug/l	100
84) 1,2,4-Trimethylbenzene	13.13	105	1148164	144.653	ug/l	100
85) sec-Butylbenzene	13.26	105	1427259	145.715	ug/l	100
86) p-Isopropyltoluene	13.38	119	1206103	143.379	ug/l	100
87) 1,3-Dichlorobenzene	13.38	146	559192	138.261	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	573304	141.014	ug/l	99
89) n-Butylbenzene	13.70	91	1259676	145.170	ug/l	99
90) Hexachloroethane	13.97	117	240742	152.751	ug/l	98
91) 1,2-Dichlorobenzene	13.75	146	519779	142.485	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.37	75	46783	143.884	ug/l	97

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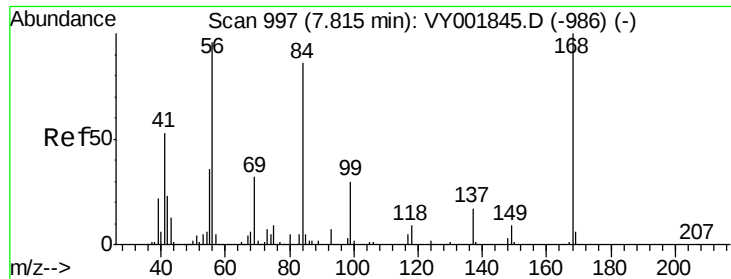
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	336551	141.383	ug/l	98
94) Hexachlorobutadiene	15.12	225	160995	139.044	ug/l	100
95) Naphthalene	15.25	128	834482	149.051	ug/l	100
96) 1,2,3-Trichlorobenzene	15.44	180	297901	141.664	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.00 min

Lab File: VY001847.D

Acq: 04 Mar 2020 12:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 184554

Ion Ratio Lower Upper

168 100

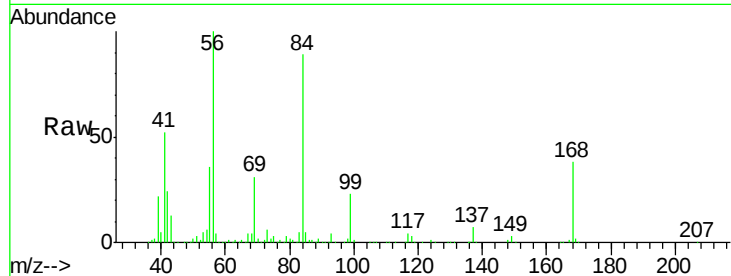
99 60.5 46.7 70.1

Manual Integrations

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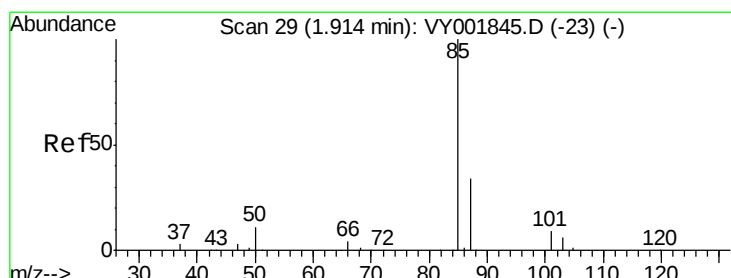
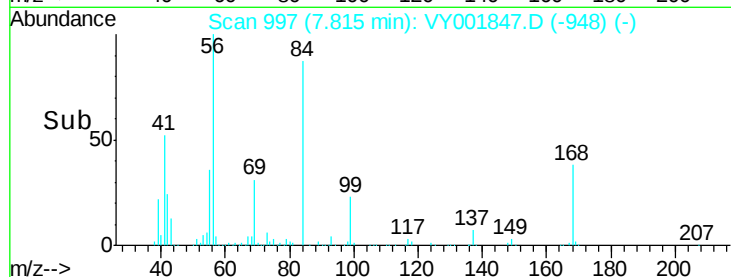
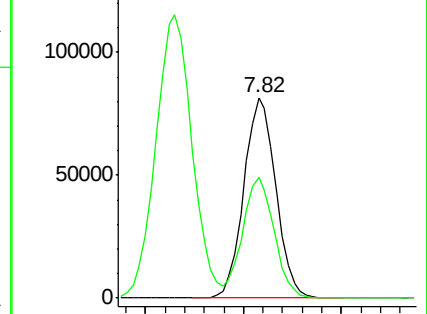
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Abundance Ion 167.90 (167.60 to 168.60): VY001847.D (-986) (-)

Ion 98.90 (98.60 to 99.60): VY001847.D (-986) (-)



#2

Dichlorodifluoromethane

Concen: 137.749 ug/l

RT: 1.91 min Scan# 29

Delta R.T. 0.00 min

Lab File: VY001847.D

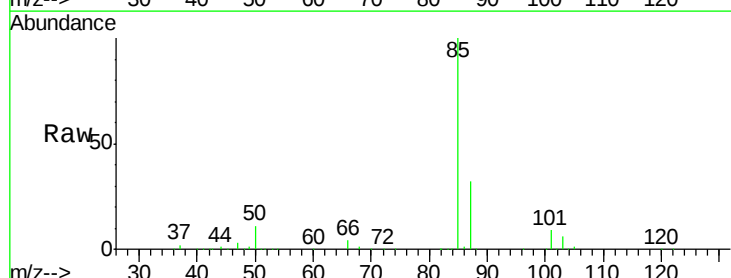
Acq: 04 Mar 2020 12:16

Tgt Ion: 85 Resp: 231014

Ion Ratio Lower Upper

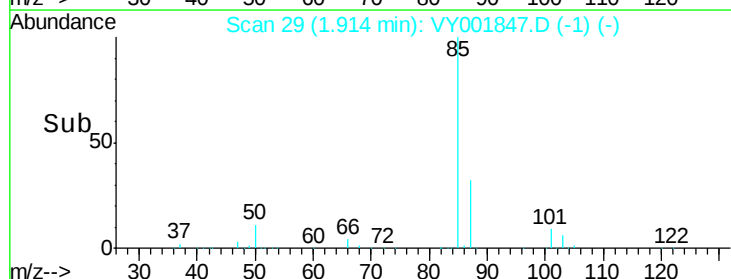
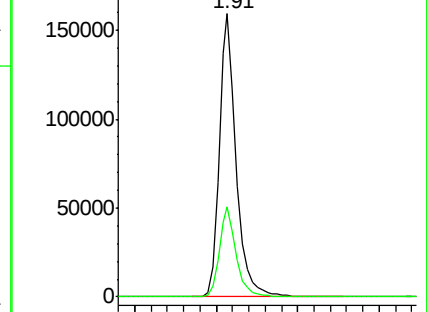
85 100

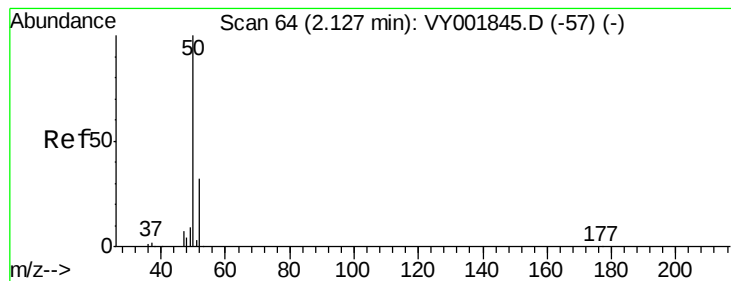
87 32.0 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VY001847.D (-23) (-)

Ion 86.90 (86.60 to 87.60): VY001847.D (-23) (-)





#3

Chloromethane

Concen: 137.523 ug/l

RT: 2.13 min Scan# 64

Delta R.T. 0.00 min

Lab File: VY001847.D

Acq: 04 Mar 2020 12:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 308216

Ion Ratio Lower Upper

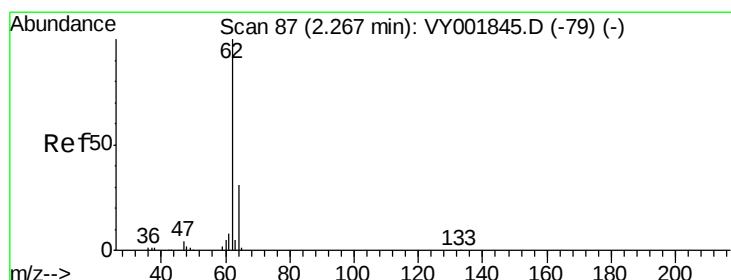
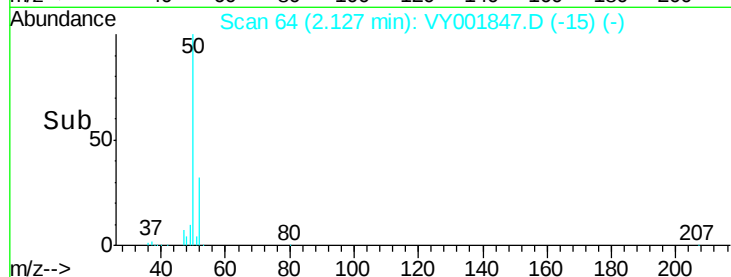
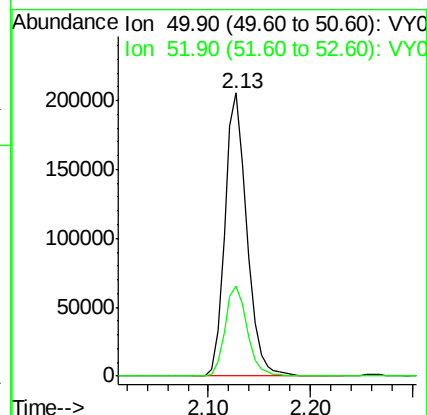
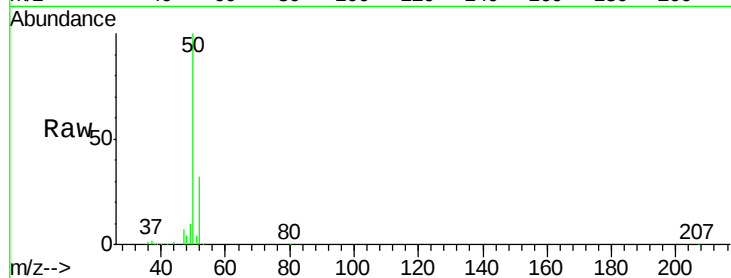
50 100

52 32.1 25.8 38.6

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#4

Vinyl Chloride

Concen: 141.108 ug/l

RT: 2.26 min Scan# 86

Delta R.T. -0.01 min

Lab File: VY001847.D

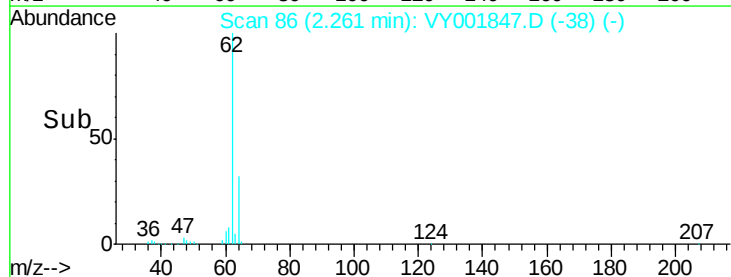
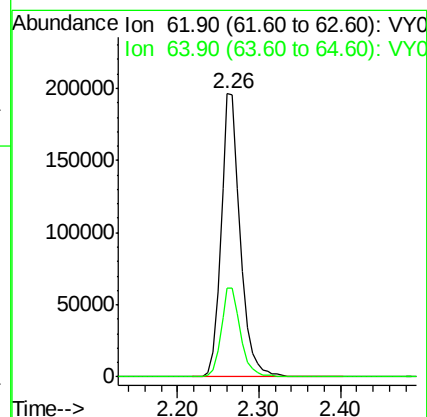
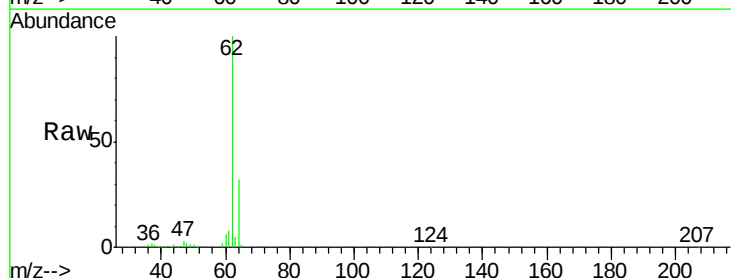
Acq: 04 Mar 2020 12:16

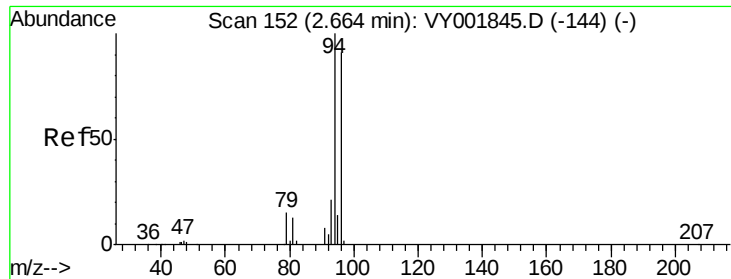
Tgt Ion: 62 Resp: 322679

Ion Ratio Lower Upper

62 100

64 31.6 25.1 37.7





#5

Bromomethane

Concen: 121.544 ug/l

RT: 2.65 min Scan# 150

Delta R.T. -0.01 min

Lab File: VY001847.D

Acq: 04 Mar 2020 12:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 182108

Ion Ratio Lower Upper

94 100

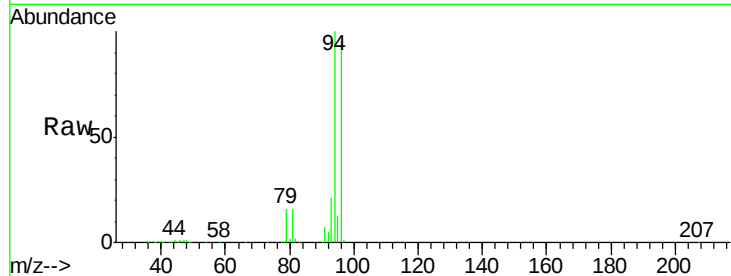
96 94.9 73.2 109.8

Manual Integrations

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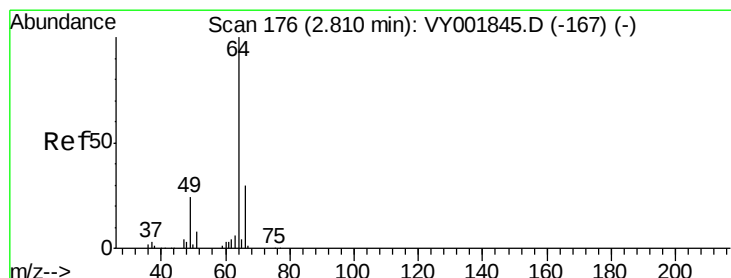
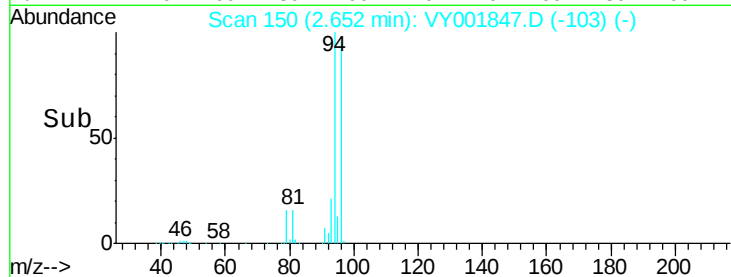
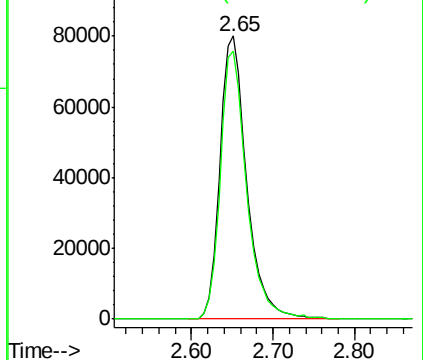
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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 137.730 ug/l

RT: 2.80 min Scan# 175

Delta R.T. -0.01 min

Lab File: VY001847.D

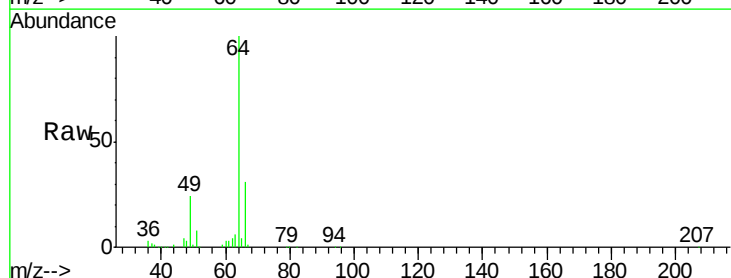
Acq: 04 Mar 2020 12:16

Tgt Ion: 64 Resp: 199527

Ion Ratio Lower Upper

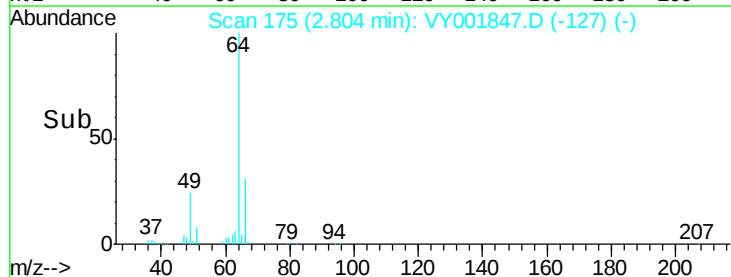
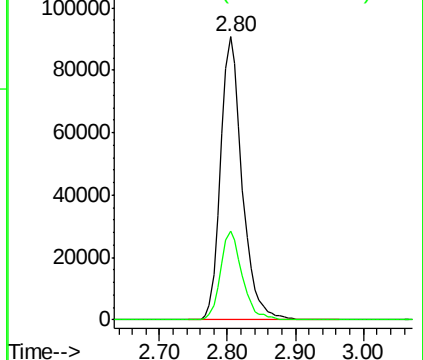
64 100

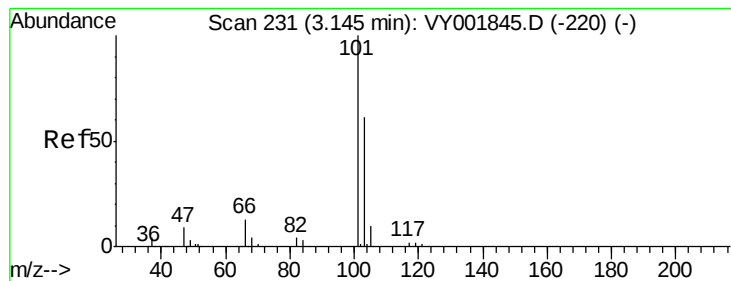
66 31.3 23.8 35.8



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

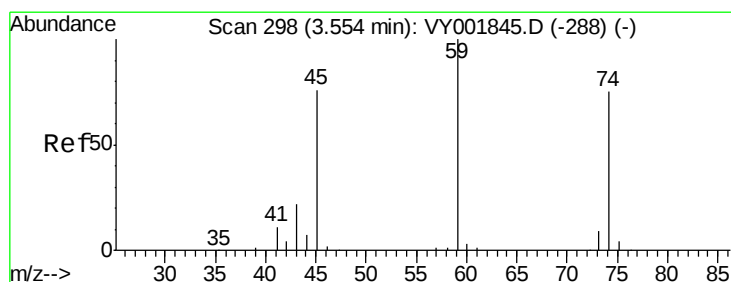
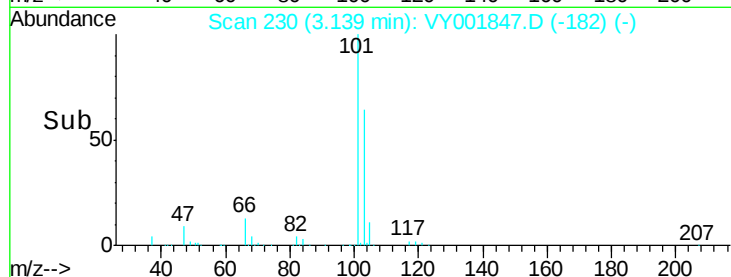
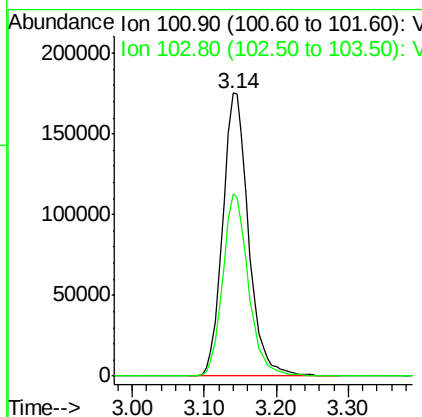
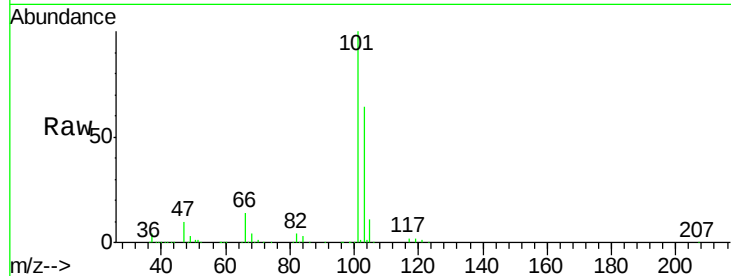
Trichlorofluoromethane
 Concen: 138.774 ug/l
 RT: 3.14 min Scan# 230
 Delta R.T. -0.01 min
 Lab File: VY001847.D
 Acq: 04 Mar 2020 12:16

Instrument :
 MSVOA_Y
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 VSTDIC150

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.4	49.1	73.7

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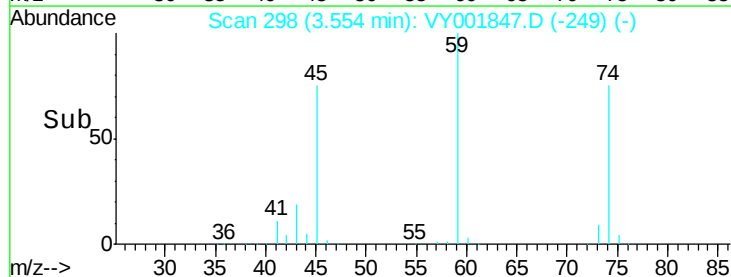
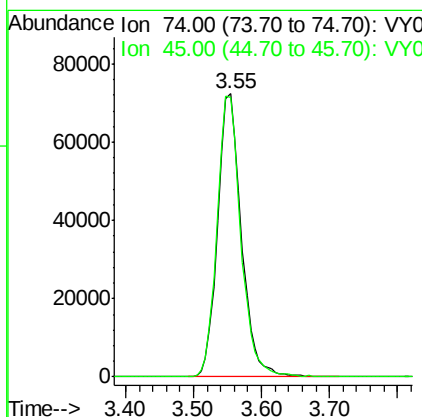
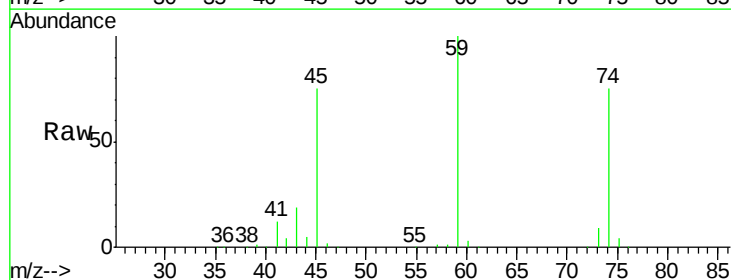
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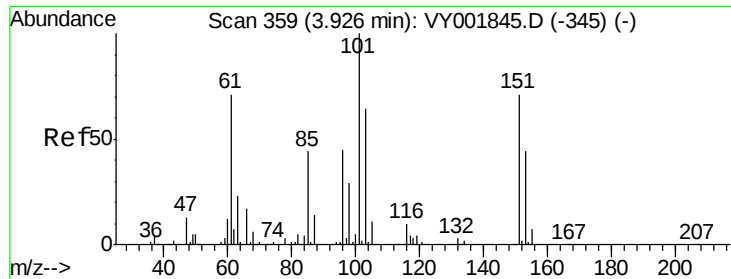


#8

Diethyl Ether
 Concen: 143.657 ug/l
 RT: 3.55 min Scan# 298
 Delta R.T. 0.00 min
 Lab File: VY001847.D
 Acq: 04 Mar 2020 12:16

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.6	50.5	151.5





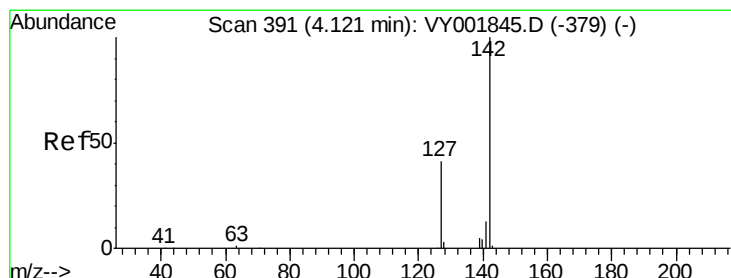
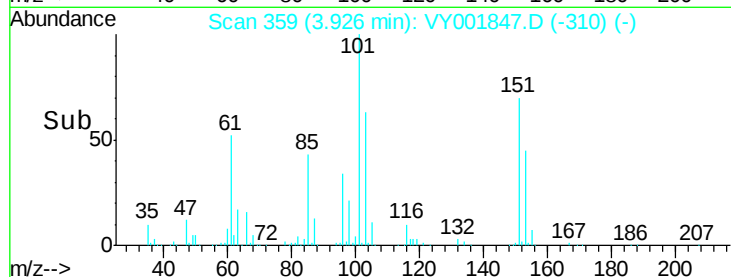
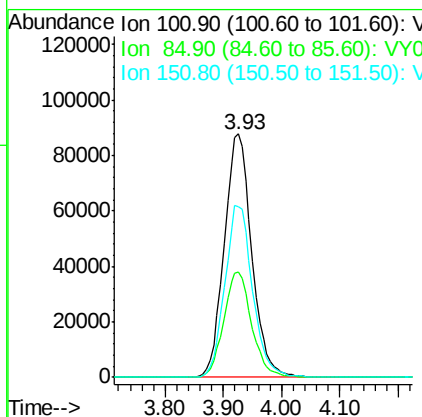
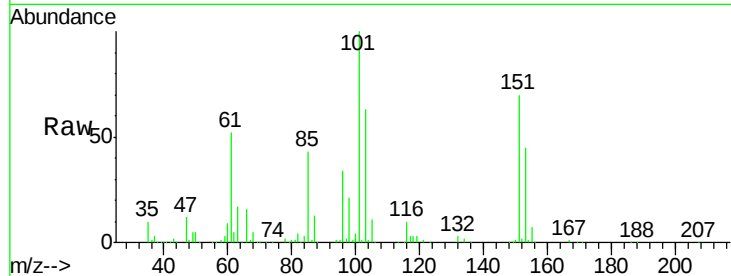
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 144.033 ug/l
 RT: 3.93 min Scan# 359
 Delta R.T. 0.00 min
 Lab File: VY001847.D
 Acq: 04 Mar 2020 12:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
101	100	288005		
85	43.8		35.3	52.9
151	71.4		57.0	85.4

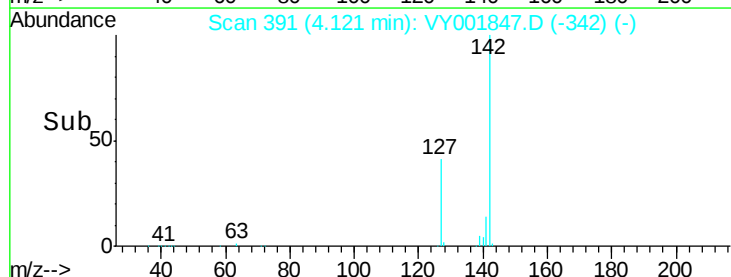
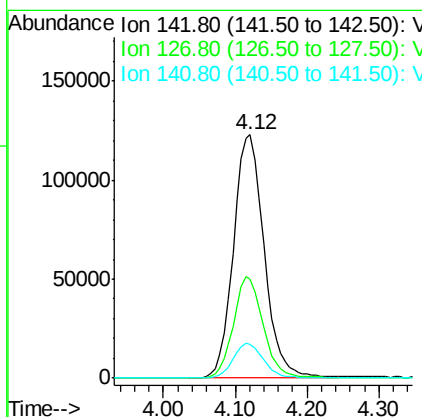
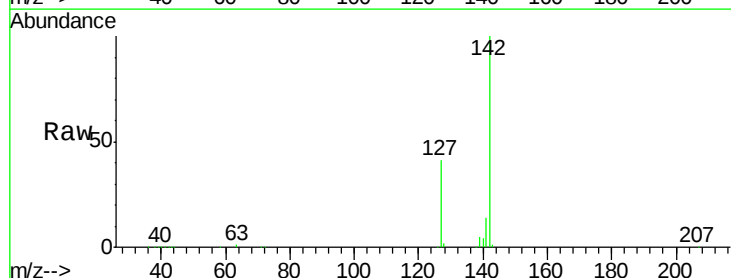
Manual Integrations
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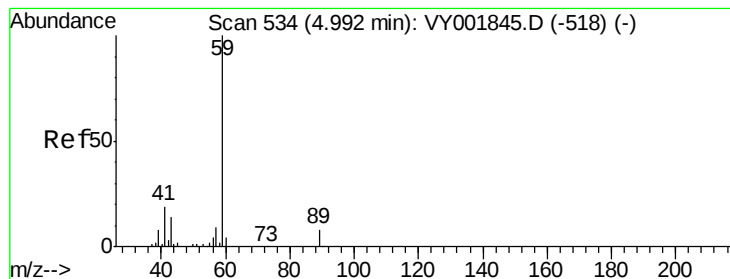
MMDadoda
 3/5/2020 1:37:14 PM



#10
 Methyl Iodide
 Concen: 157.441 ug/l
 RT: 4.12 min Scan# 391
 Delta R.T. 0.00 min
 Lab File: VY001847.D
 Acq: 04 Mar 2020 12:16

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	365367		
127	40.5		32.7	49.1
141	14.2		11.0	16.6





#11

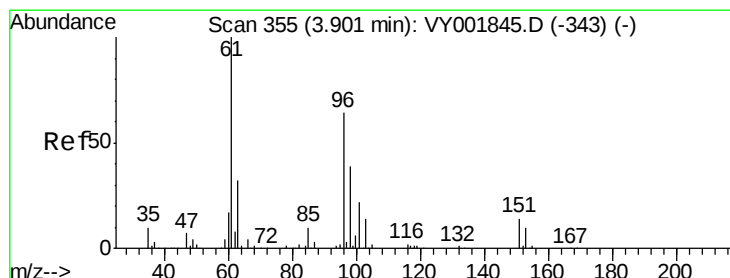
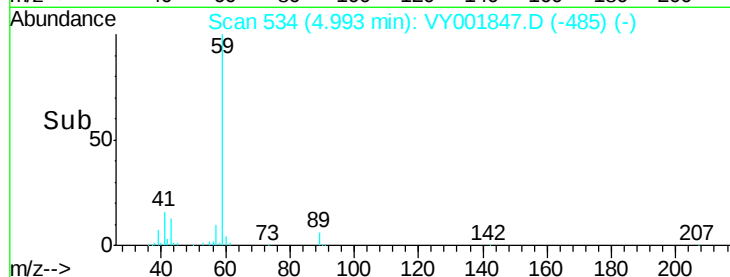
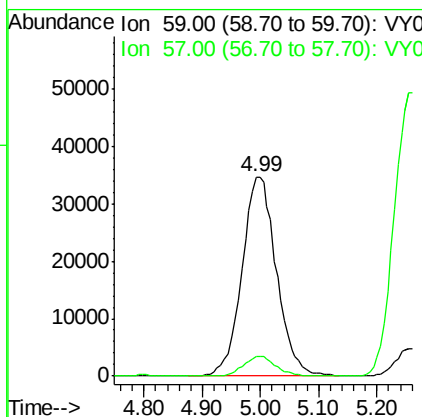
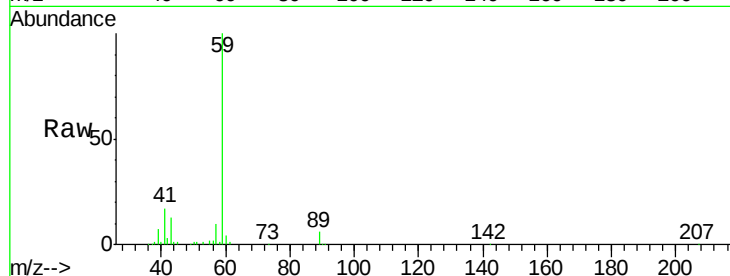
Tert butyl alcohol
Concen: 627.712 ug/l
RT: 4.99 min Scan# 534
Delta R.T. 0.00 min
Lab File: VY001847.D
Acq: 04 Mar 2020 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.3	7.4	11.2

Manual Integrations
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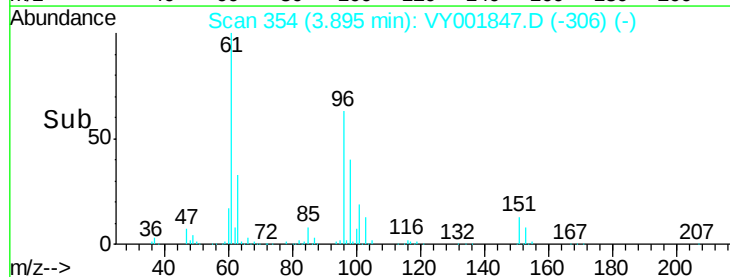
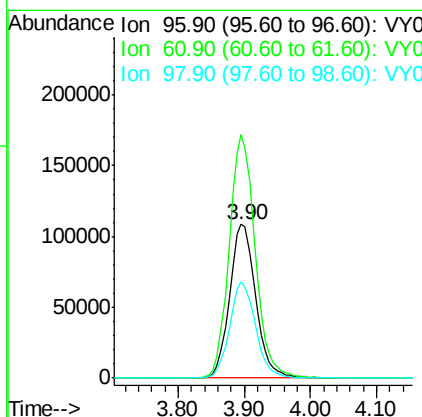
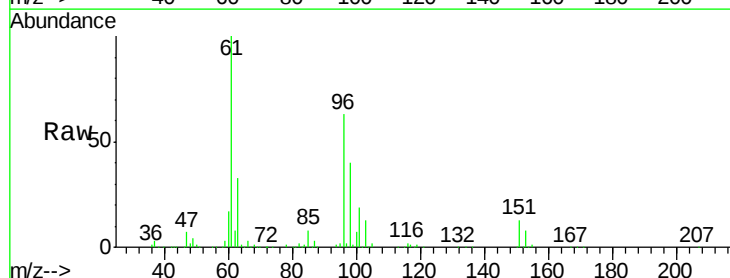
MMDadoda
3/5/2020 1:37:14 PM

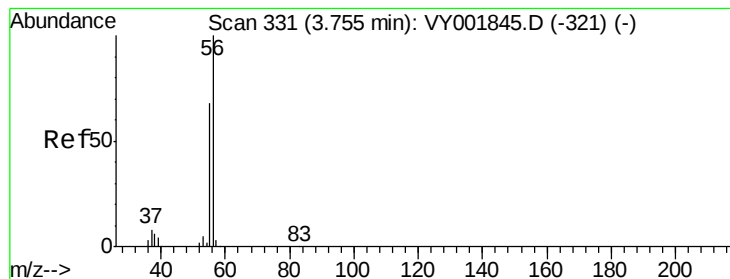


#12

1,1-Dichloroethene
Concen: 147.203 ug/l
RT: 3.90 min Scan# 354
Delta R.T. -0.01 min
Lab File: VY001847.D
Acq: 04 Mar 2020 12:16

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.4	124.8	187.2
98	62.8	49.2	73.8





#13

Acrolein

Concen: 683.955 ug/l

RT: 3.76 min Scan# 331

Delta R.T. 0.00 min

Lab File: VY001847.D

Acq: 04 Mar 2020 12:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 187705

Ion Ratio Lower Upper

56 100

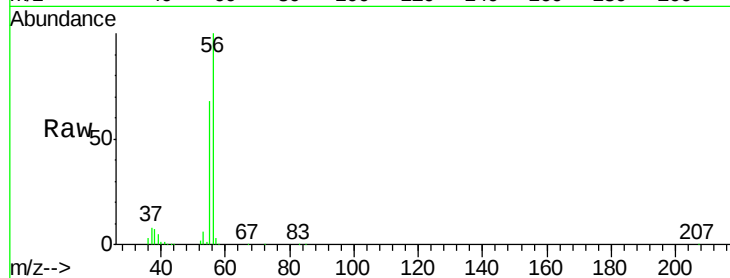
55 68.5 54.0 81.0

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

3.76

80000

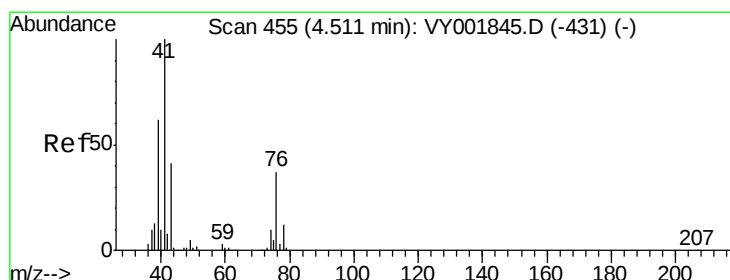
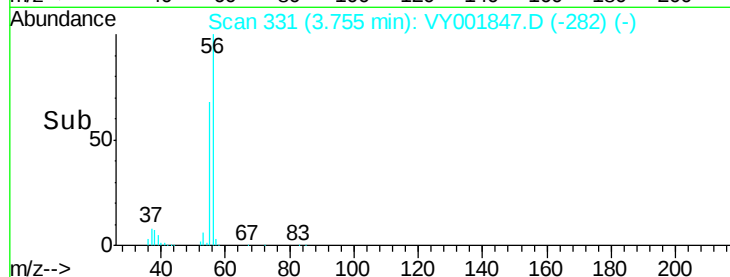
60000

40000

20000

0

Time-->



#14

Allyl chloride

Concen: 144.186 ug/l

RT: 4.51 min Scan# 455

Delta R.T. 0.00 min

Lab File: VY001847.D

Acq: 04 Mar 2020 12:16

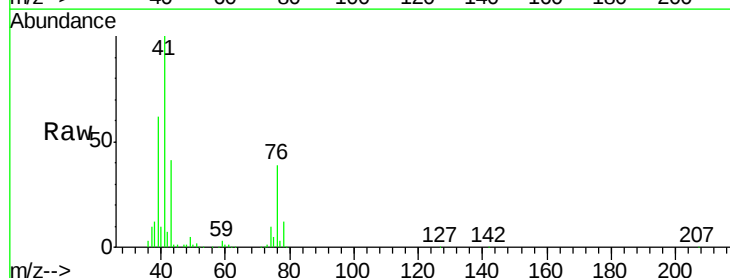
Tgt Ion: 41 Resp: 520497

Ion Ratio Lower Upper

41 100

39 60.2 49.0 73.6

76 36.5 28.9 43.3



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

4.51

300000

250000

200000

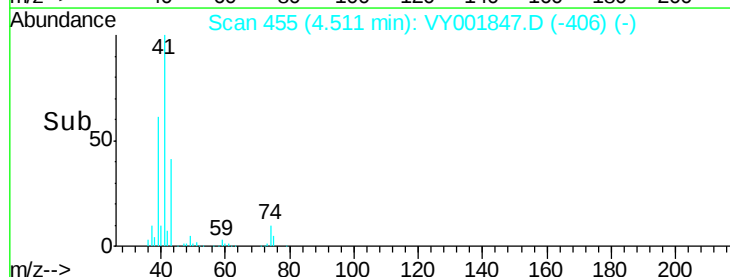
150000

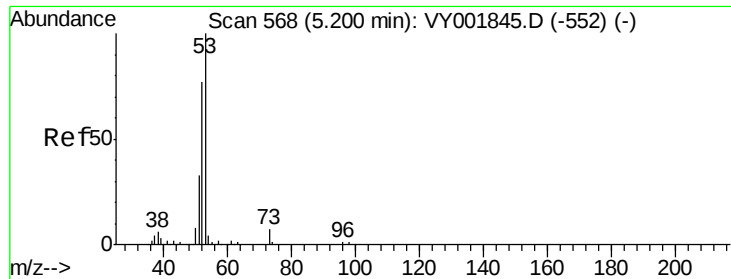
100000

50000

0

Time-->





#15

Acrylonitrile

Concen: 709.007 ug/l

RT: 5.20 min Scan# 568

Delta R.T. 0.00 min

Lab File: VY001847.D

Acq: 04 Mar 2020 12:16

Instrument :

MSVOA_Y

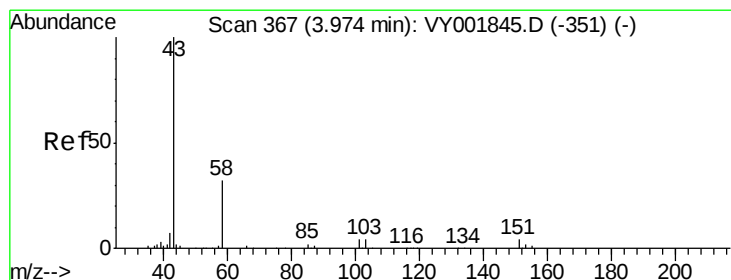
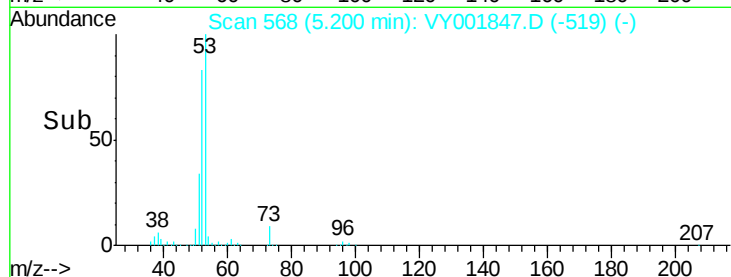
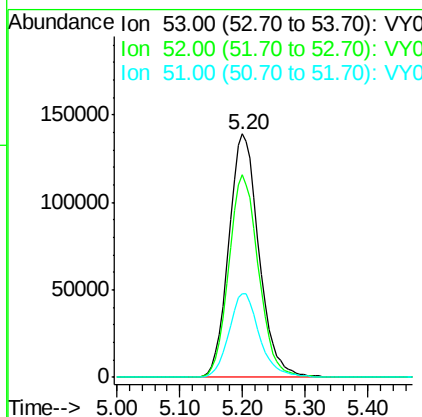
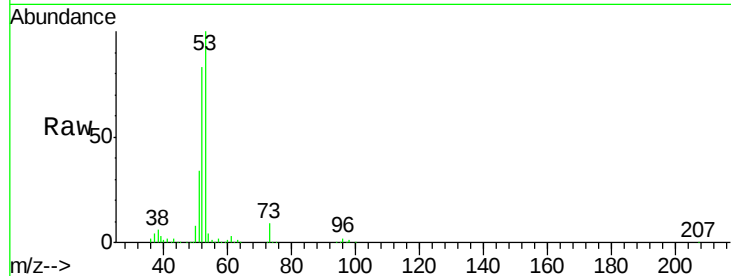
ClientSampleId :

VSTDIC150

Tot Ion:	53	Resp:	463585
Ion	Ratio	Lower	Upper
53	100		
52	82.0	65.1	97.7
51	34.8	27.5	41.3

Manual Integrations
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#16

Acetone

Concen: 702.598 ug/l

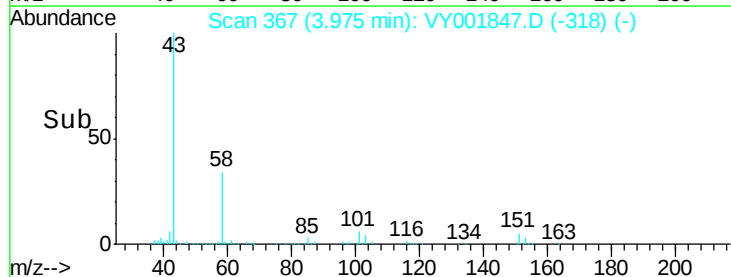
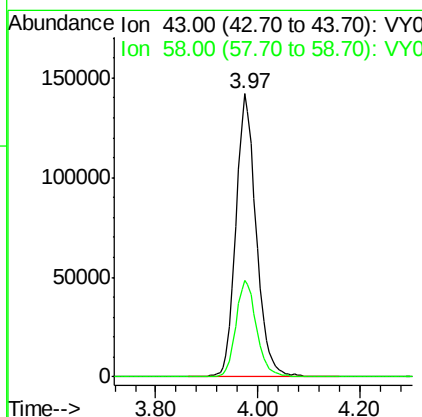
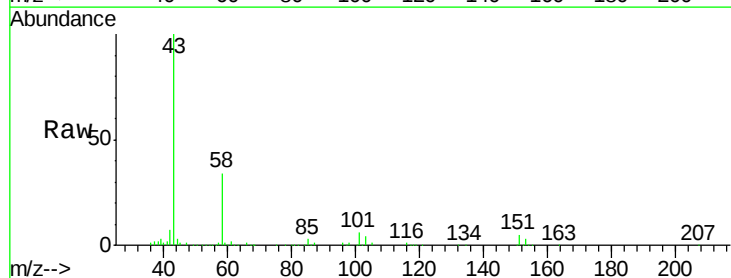
RT: 3.97 min Scan# 367

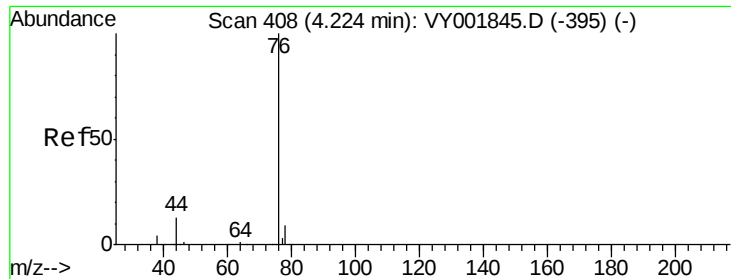
Delta R.T. 0.00 min

Lab File: VY001847.D

Acq: 04 Mar 2020 12:16

Tgt Ion:	43	Resp:	394334
Ion	Ratio	Lower	Upper
43	100		
58	34.1	25.9	38.9





#17

Carbon Disulfide

Concen: 148.271 ug/l

RT: 4.22 min Scan# 407

Delta R.T. -0.01 min

Lab File: VY001847.D

Acq: 04 Mar 2020 12:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tot Ion: 76 Resp: 1002007

Ion Ratio Lower Upper

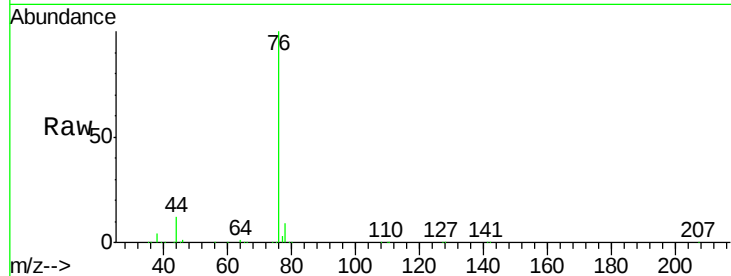
76 100

78 9.2 7.4 11.2

Manual Integrations
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Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0

4.22

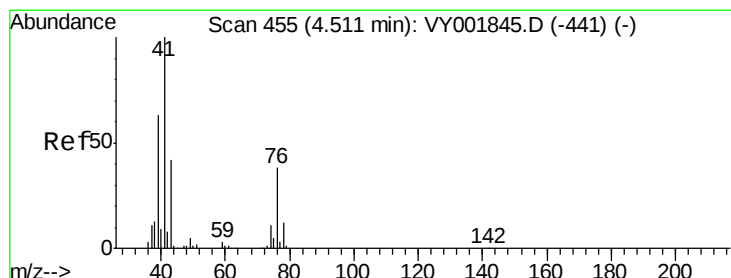
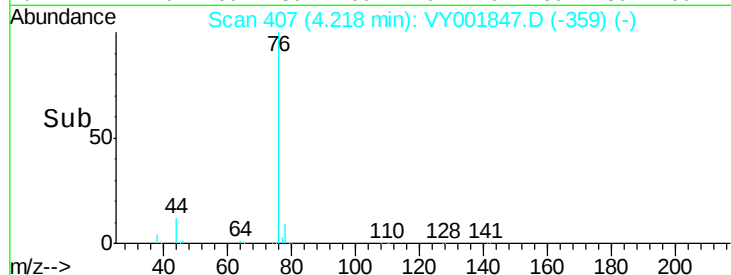
300000

200000

100000

0

Time--> 4.00 4.10 4.20 4.30 4.40



#18

Methyl Acetate

Concen: 139.658 ug/l

RT: 4.51 min Scan# 455

Delta R.T. 0.00 min

Lab File: VY001847.D

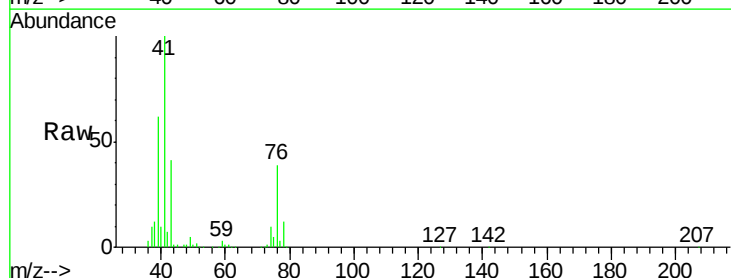
Acq: 04 Mar 2020 12:16

Tgt Ion: 43 Resp: 200807

Ion Ratio Lower Upper

43 100

74 24.0 19.0 28.6



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0

4.51

80000

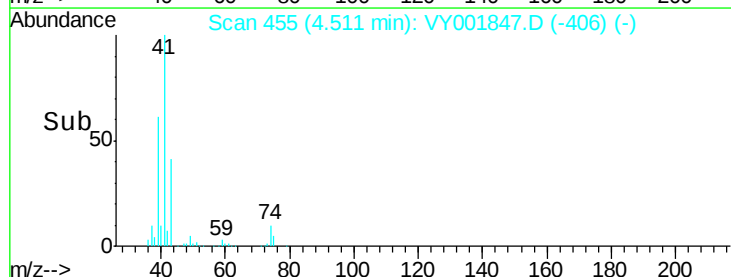
60000

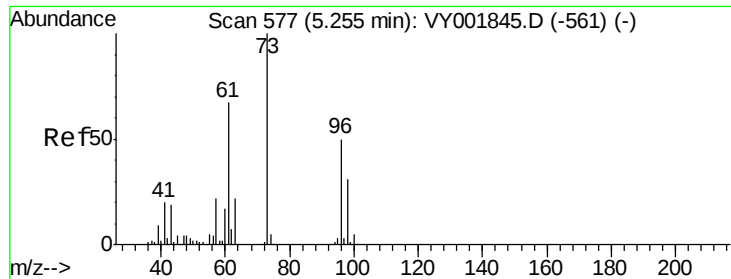
40000

20000

0

Time--> 4.40 4.50 4.60 4.70





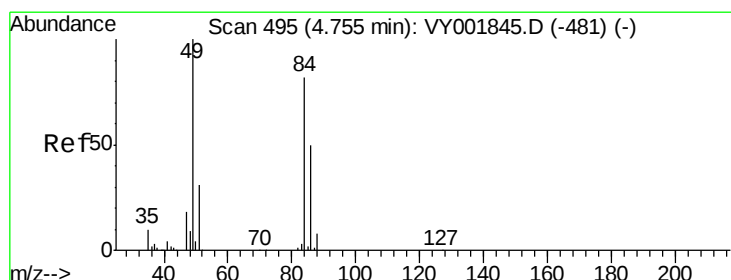
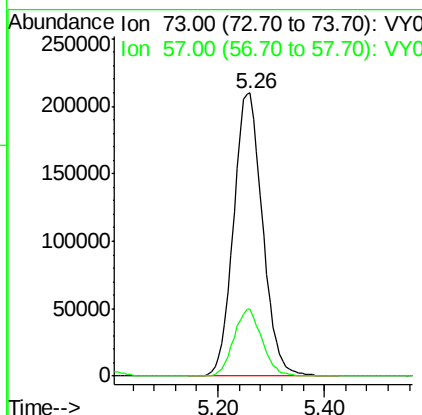
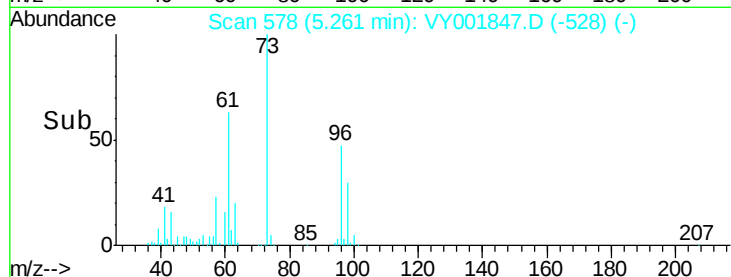
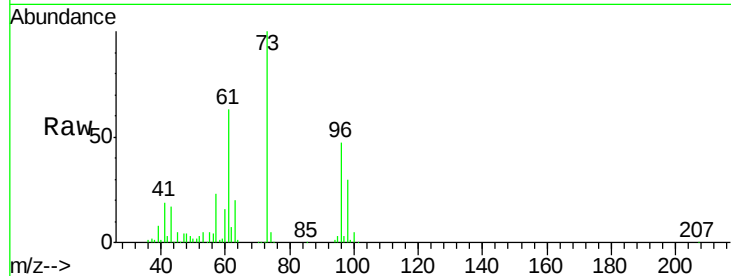
#19
Methvl tert-butvl Ether
Concen: 144.996 ug/l
RT: 5.26 min Scan# 578
Delta R.T. 0.01 min
Lab File: VY001847.D
Acq: 04 Mar 2020 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion: 73 Resp: 792728
Ion Ratio Lower Upper
73 100
57 23.5 17.4 26.2

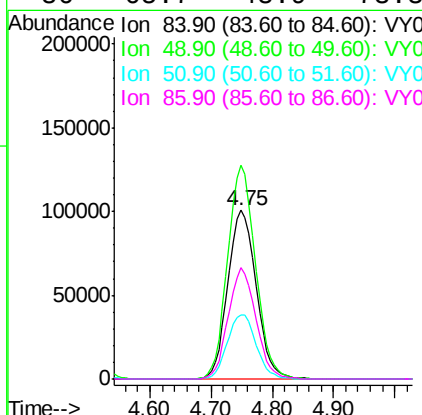
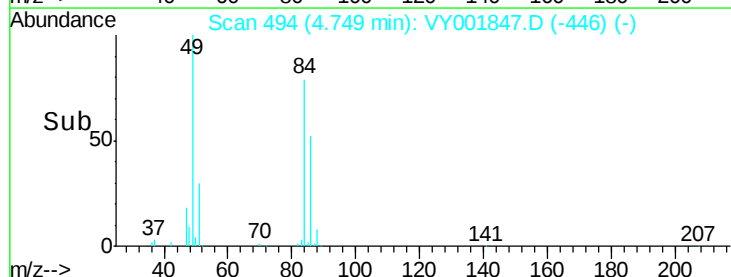
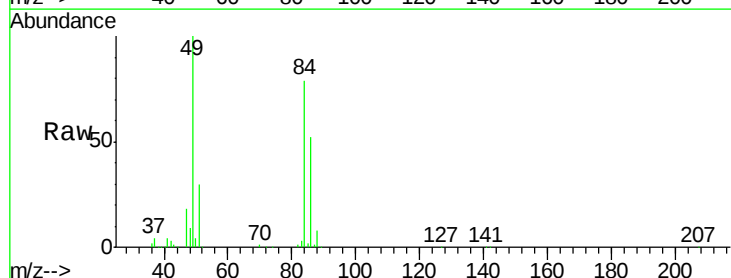
Manual Integrations
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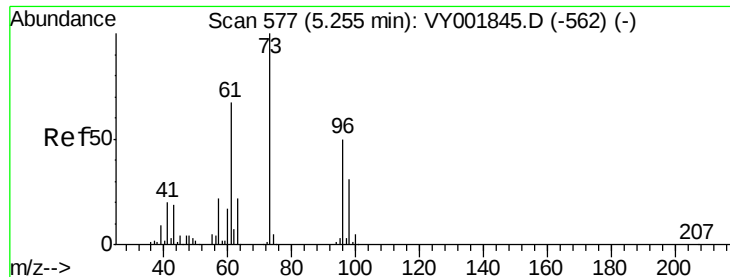
MMDadoda
3/5/2020 1:37:14 PM



#20
Methylene Chloride
Concen: 132.961 ug/l
RT: 4.75 min Scan# 494
Delta R.T. -0.01 min
Lab File: VY001847.D
Acq: 04 Mar 2020 12:16

Tgt Ion: 84 Resp: 323352
Ion Ratio Lower Upper
84 100
49 126.5 98.2 147.2
51 38.0 30.2 45.2
86 65.7 48.9 73.3





#21

trans-1,2-Dichloroethene

Concen: 145.487 ug/l

RT: 5.25 min Scan# 577

Delta R.T. 0.00 min

Lab File: VY001847.D

Acq: 04 Mar 2020 12:16

Instrument :

MSVOA_Y

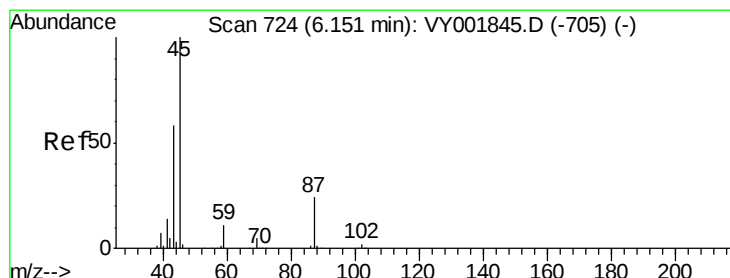
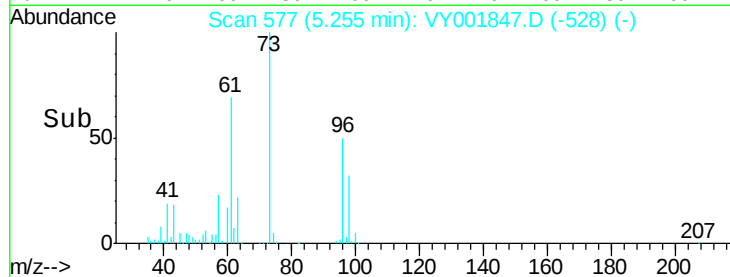
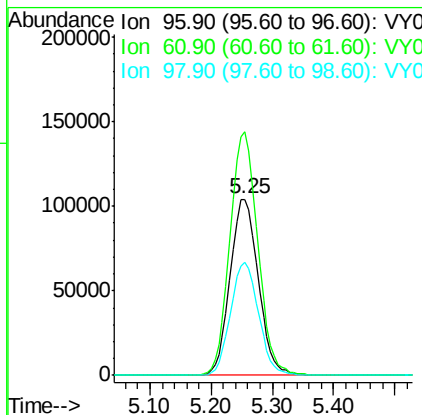
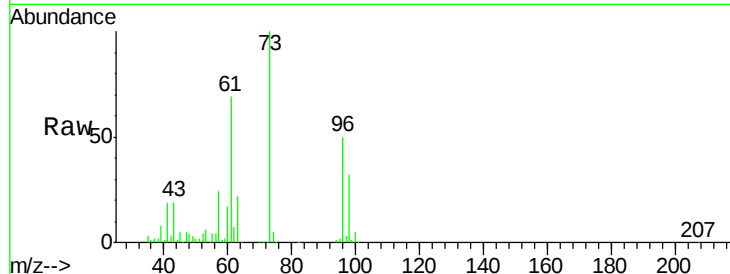
ClientSampleId :

VSTDIC150

Tot Ion:	96	Resp:	332066
Ion	Ratio	Lower	Upper
96	100		
61	138.4	107.7	161.5
98	64.1	49.3	73.9

Manual Integrations
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3/5/2020 1:37:14 PM



#22

Diisopropyl ether

Concen: 139.967 ug/l

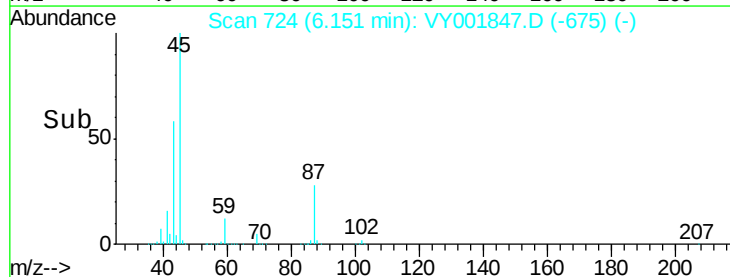
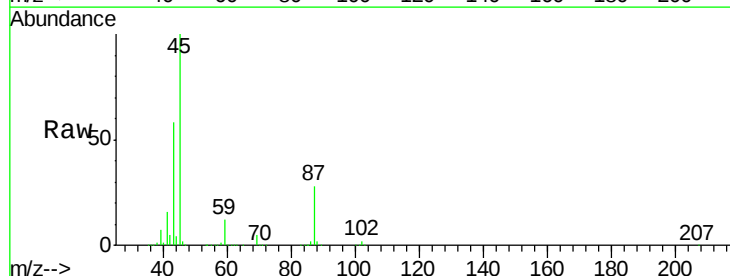
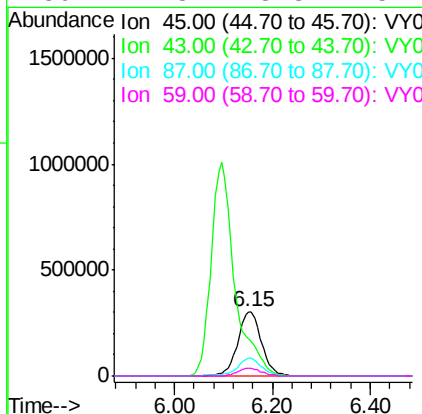
RT: 6.15 min Scan# 724

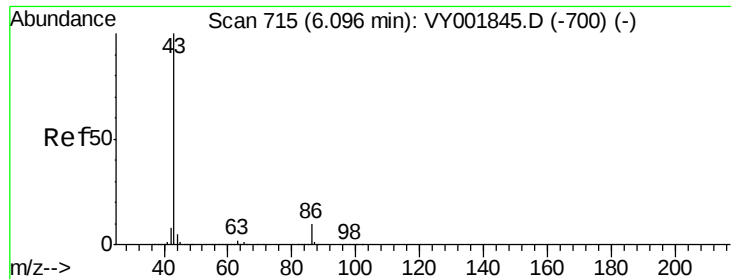
Delta R.T. 0.00 min

Lab File: VY001847.D

Acq: 04 Mar 2020 12:16

Tgt Ion:	45	Resp:	1019661
Ion	Ratio	Lower	Upper
45	100		
43	57.9	47.2	70.8
87	27.7	19.8	29.8
59	11.8	8.8	13.2





#23

Vinyl Acetate

Concen: 707.976 ug/l

RT: 6.10 min Scan# 715

Delta R.T. 0.00 min

Lab File: VY001847.D

Acq: 04 Mar 2020 12:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 3387401

Ion Ratio Lower Upper

43 100

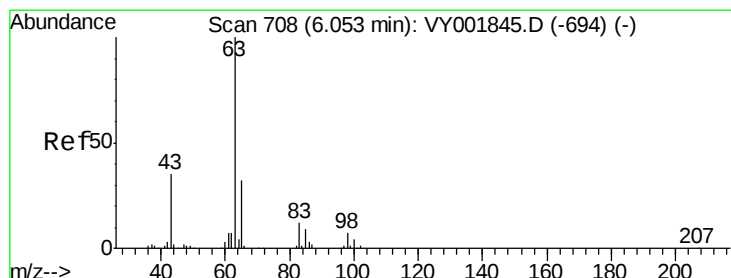
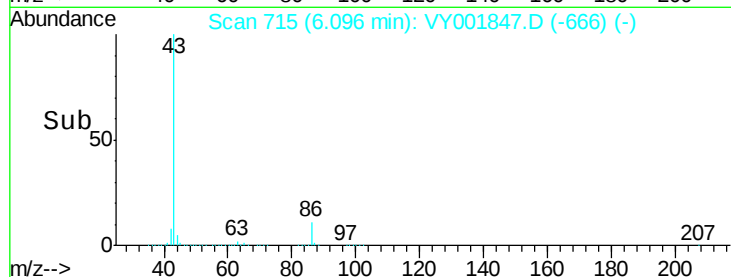
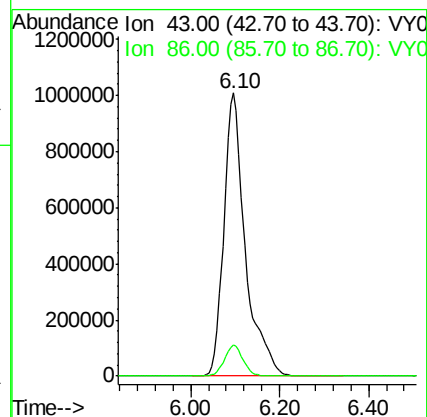
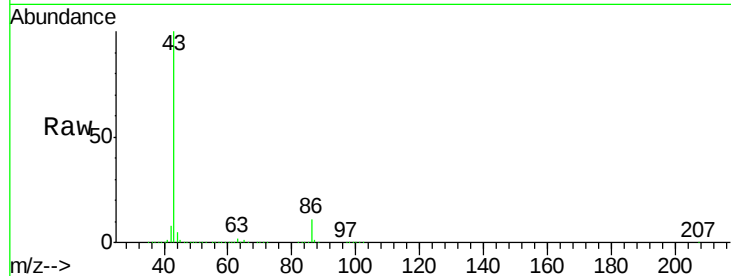
86 11.1 7.8 11.8

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 144.004 ug/l

RT: 6.05 min Scan# 708

Delta R.T. 0.00 min

Lab File: VY001847.D

Acq: 04 Mar 2020 12:16

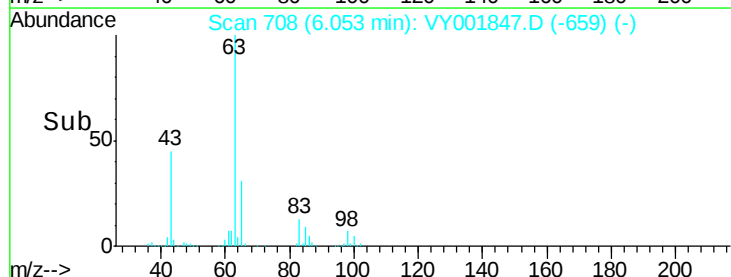
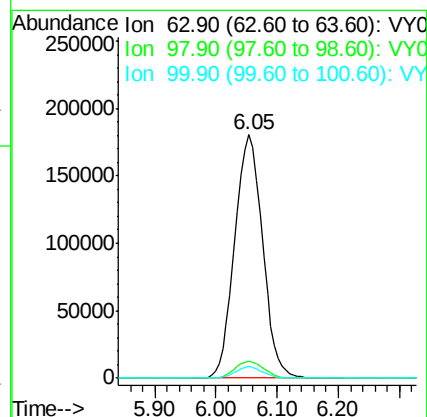
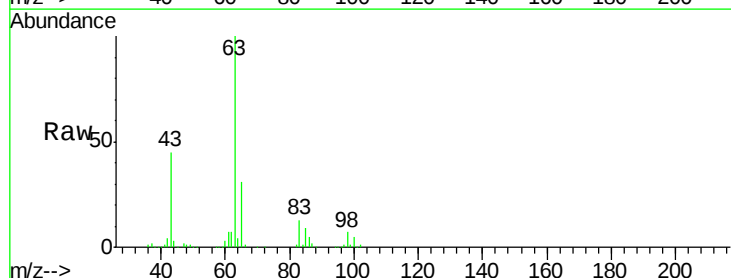
Tgt Ion: 63 Resp: 567422

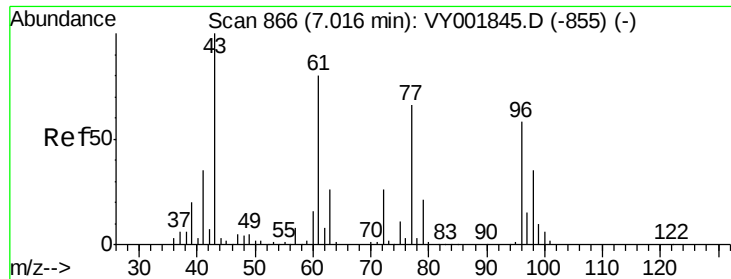
Ion Ratio Lower Upper

63 100

98 6.9 3.4 10.2

100 4.9 2.0 6.0





#25

2-Butanone

Concen: 698.339 ug/l

RT: 7.02 min Scan# 866

Delta R.T. 0.00 min

Lab File: VY001847.D

Acq: 04 Mar 2020 12:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 603720

Ion Ratio Lower Upper

43 100

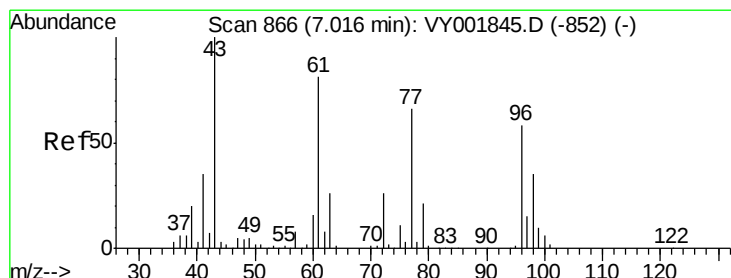
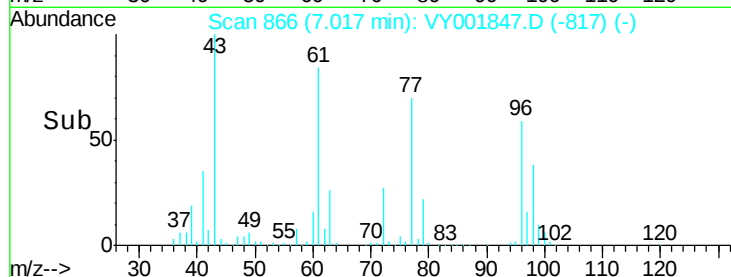
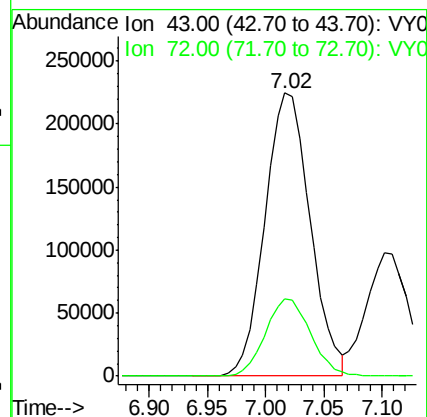
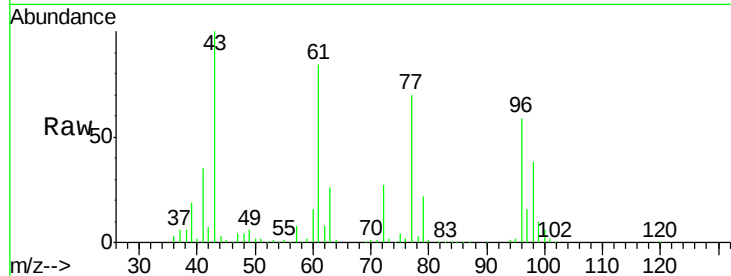
72 27.3 20.9 31.3

Manual Integrations

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3/5/2020 1:37:14 PM



#26

2,2-Dichloropropane

Concen: 144.263 ug/l

RT: 7.02 min Scan# 866

Delta R.T. 0.00 min

Lab File: VY001847.D

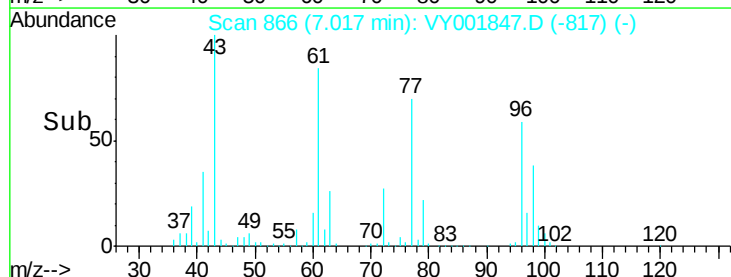
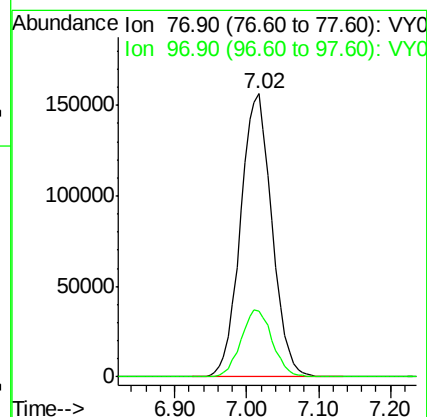
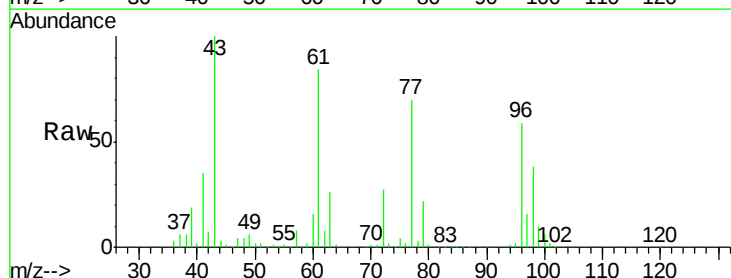
Acq: 04 Mar 2020 12:16

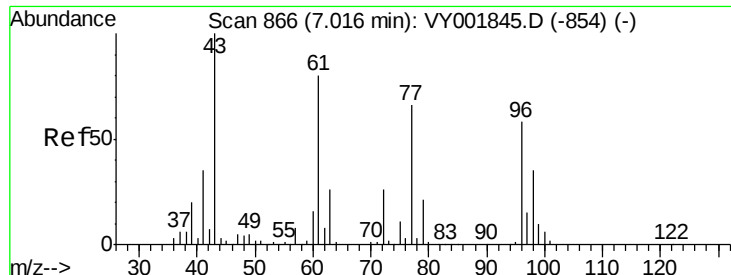
Tgt Ion: 77 Resp: 472589

Ion Ratio Lower Upper

77 100

97 23.7 11.9 35.7





#27

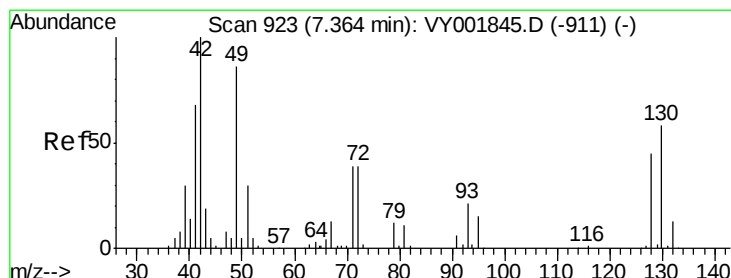
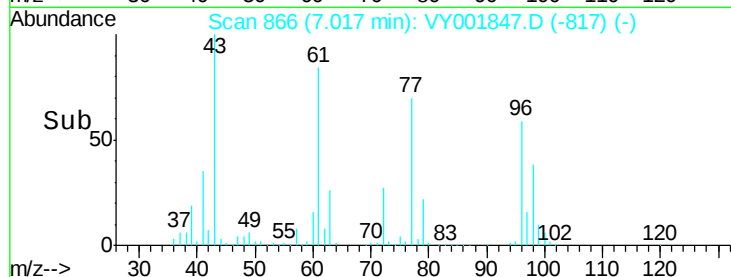
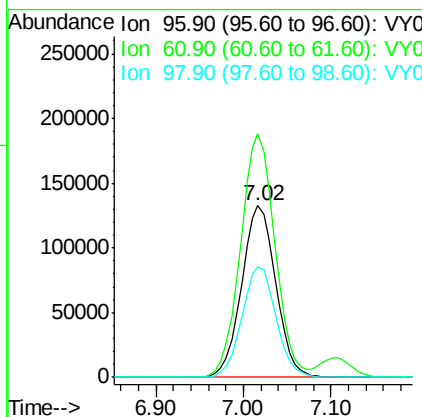
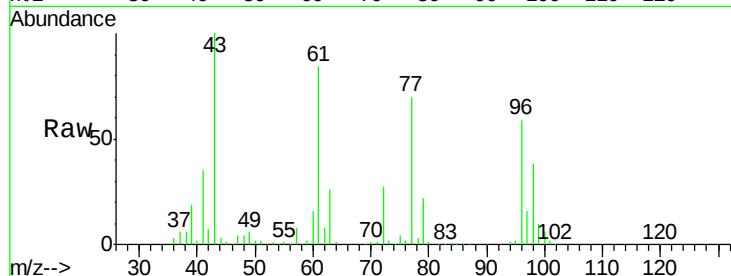
cis-1,2-Dichloroethene
Concen: 145.141 ug/l
RT: 7.02 min Scan# 866
Delta R.T. 0.00 min
Lab File: VY001847.D
Acq: 04 Mar 2020 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
96	100		
61	142.6	0.0	288.2
98	64.3	0.0	129.0

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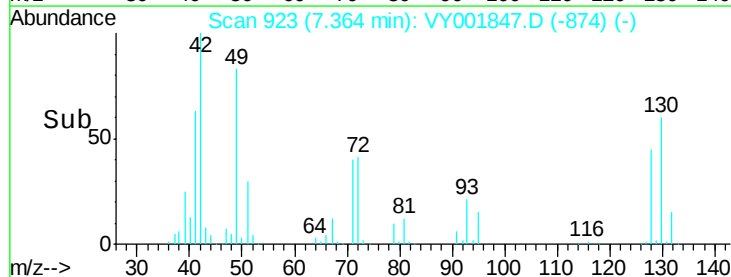
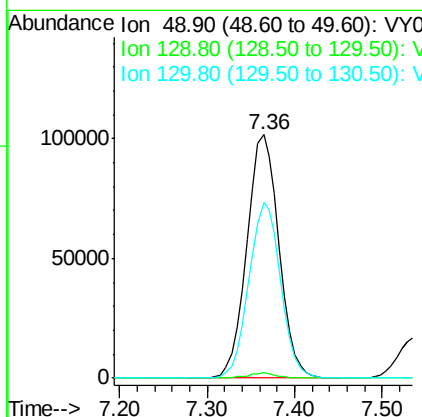
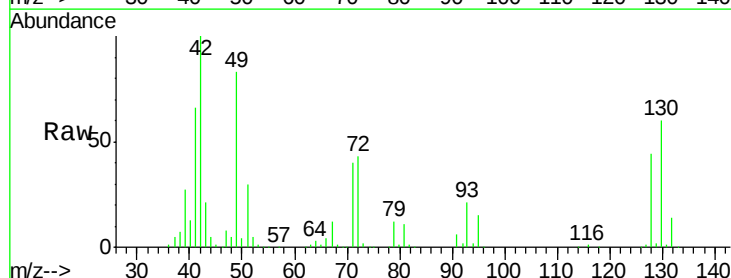
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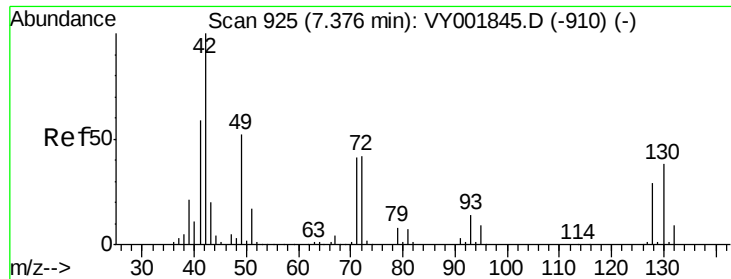


#28

Bromochloromethane
Concen: 143.836 ug/l
RT: 7.36 min Scan# 923
Delta R.T. 0.00 min
Lab File: VY001847.D
Acq: 04 Mar 2020 12:16

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.8
130	71.4	54.4	81.6





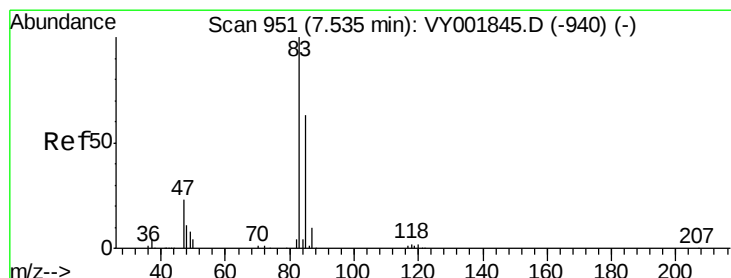
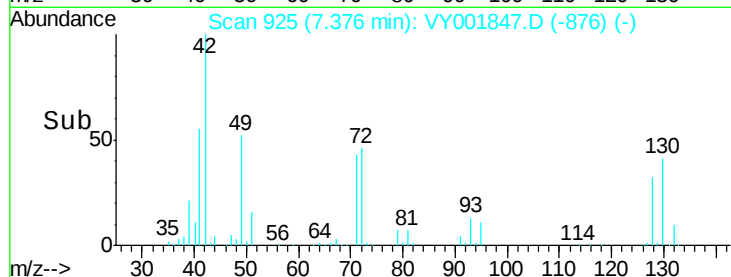
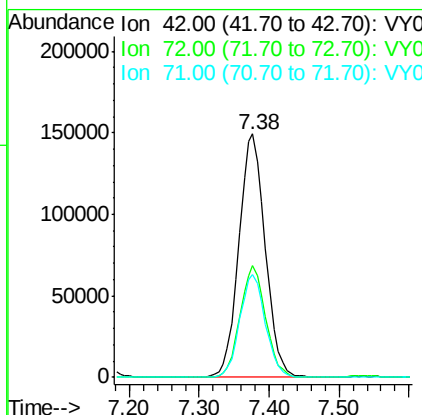
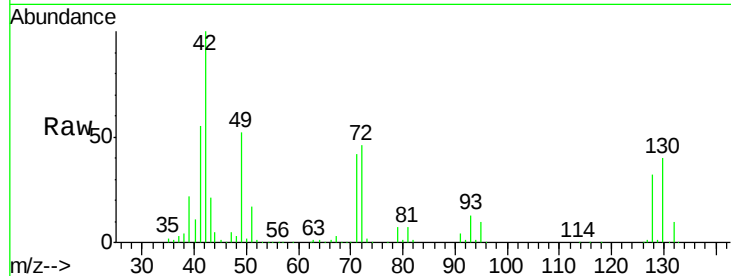
#29
Tetrahydrofuran
Concen: 686.102 ug/l
RT: 7.38 min Scan# 925
Delta R.T. 0.00 min
Lab File: VY001847.D
Acq: 04 Mar 2020 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.4	33.5	50.3
71	41.1	31.3	46.9

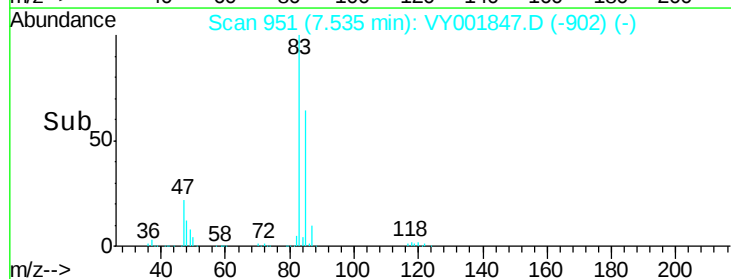
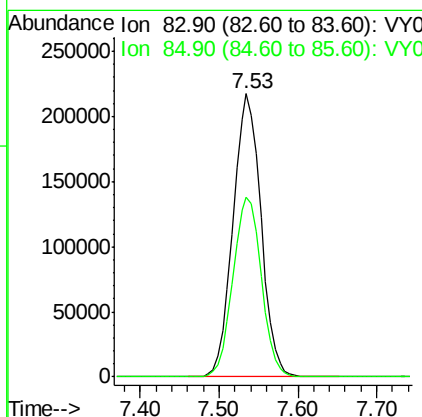
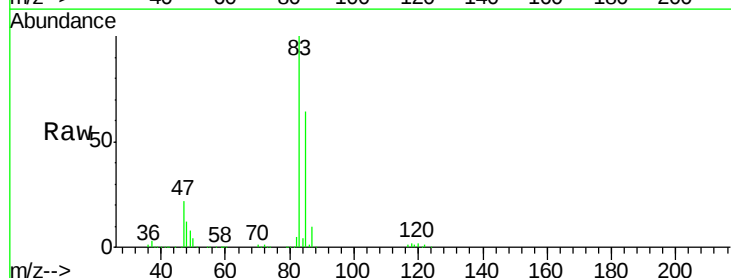
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#30
Chloroform
Concen: 143.288 ug/l
RT: 7.53 min Scan# 951
Delta R.T. 0.00 min
Lab File: VY001847.D
Acq: 04 Mar 2020 12:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	50.7	76.1





#31

Cyclohexane

Concen: 137.505 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.00 min

Lab File: VY001847.D

Acq: 04 Mar 2020 12:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 584071

Ion Ratio Lower Upper

56 100

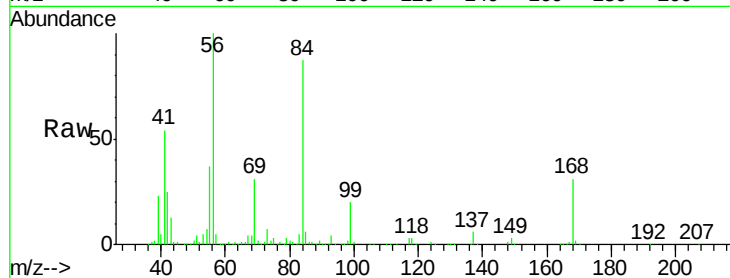
69 31.4 26.7 40.1

84 85.6 70.4 105.6

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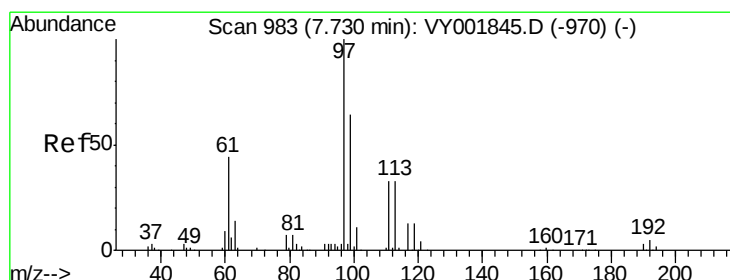
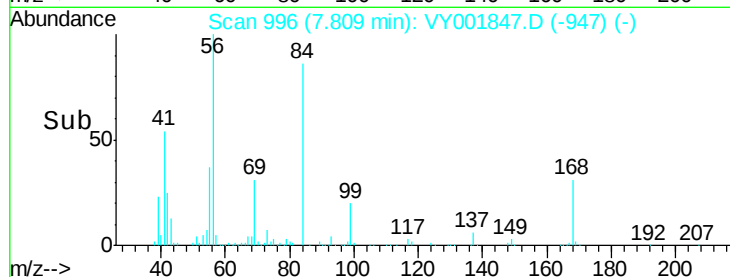
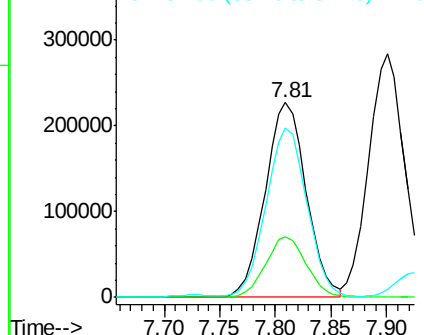
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Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0



#32

1,1,1-Trichloroethane

Concen: 145.616 ug/l

RT: 7.73 min Scan# 983

Delta R.T. 0.00 min

Lab File: VY001847.D

Acq: 04 Mar 2020 12:16

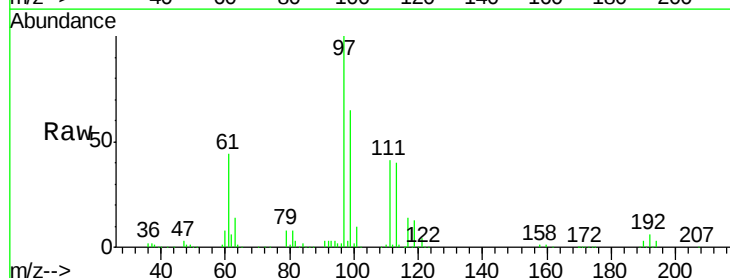
Tgt Ion: 97 Resp: 459700

Ion Ratio Lower Upper

97 100

99 64.4 52.0 78.0

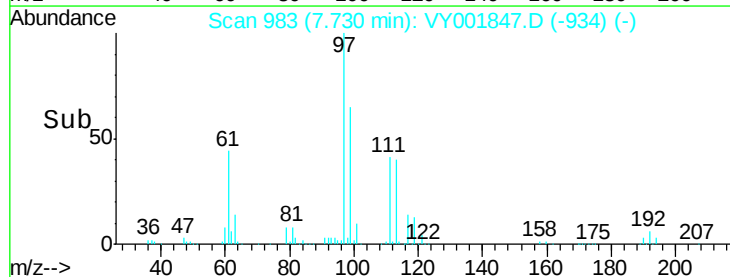
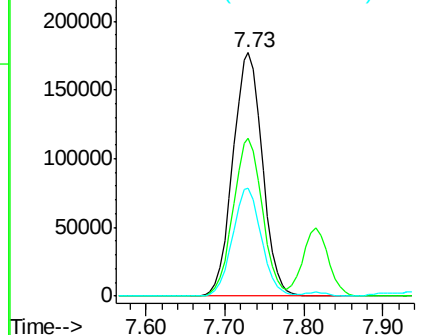
61 43.4 35.0 52.4

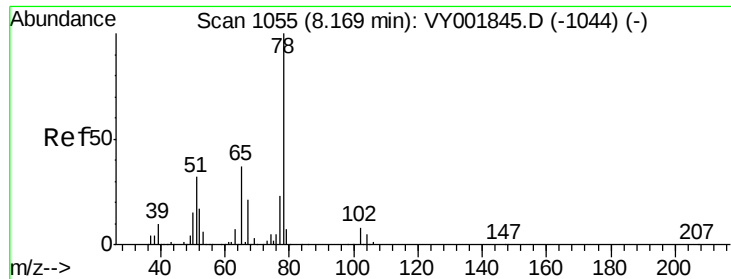


Abundance Ion 96.90 (96.60 to 97.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

Ion 60.90 (60.60 to 61.60): VY0





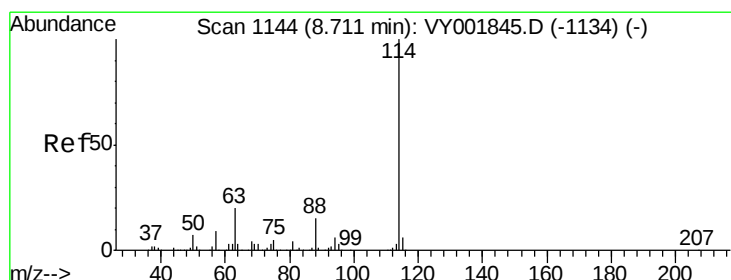
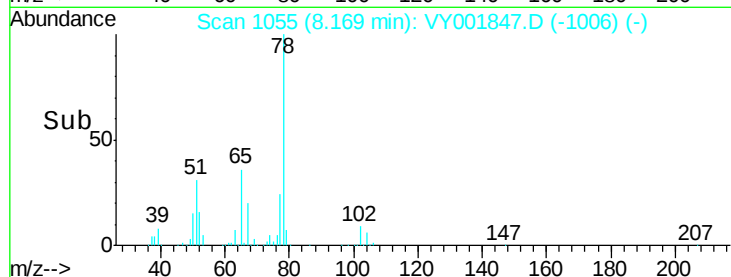
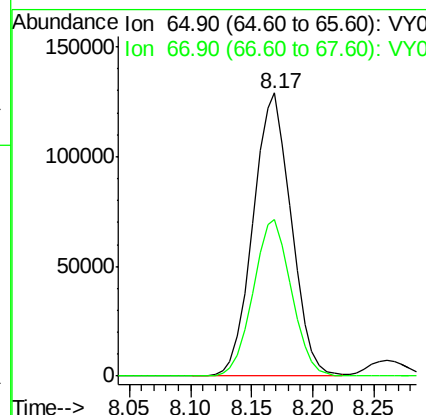
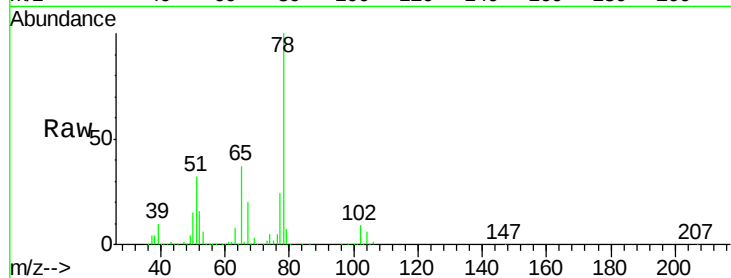
#33
 1,2-Dichloroethane-d4
 Concen: 142.219 ug/l
 RT: 8.17 min Scan# 1055
 Delta R.T. 0.00 min
 Lab File: VY001847.D
 Acq: 04 Mar 2020 12:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
65	100	279513		
67	55.5	0.0	110.8	

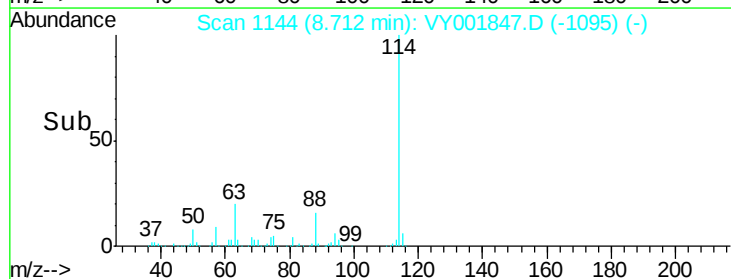
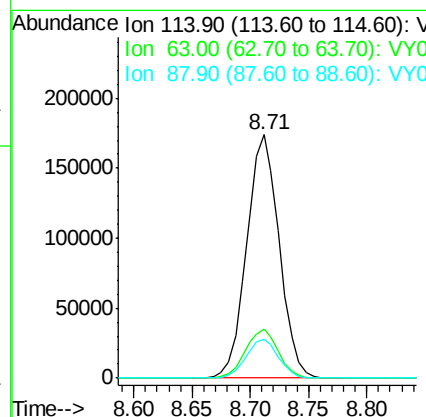
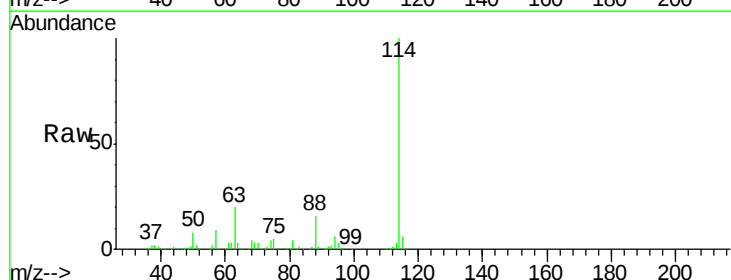
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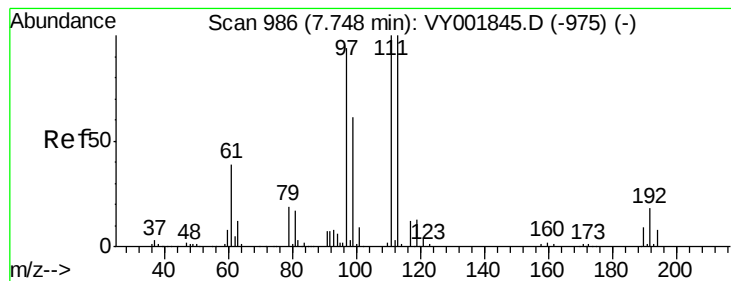
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1144
 Delta R.T. 0.00 min
 Lab File: VY001847.D
 Acq: 04 Mar 2020 12:16

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	338579		
63	20.1	0.0	39.4	
88	15.9	0.0	30.4	





#35

Dibromofluoromethane

Concen: 145.326 ug/l

RT: 7.74 min Scan# 985

Delta R.T. -0.01 min

Lab File: VY001847.D

Acq: 04 Mar 2020 12:16

Instrument :

MSVOA_Y

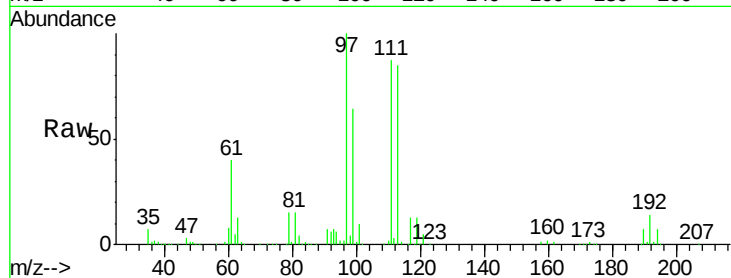
ClientSampleId :

VSTDIC150

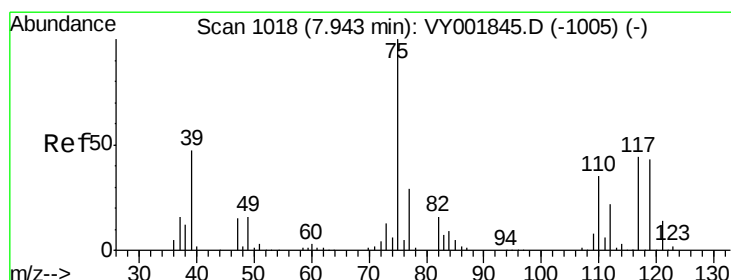
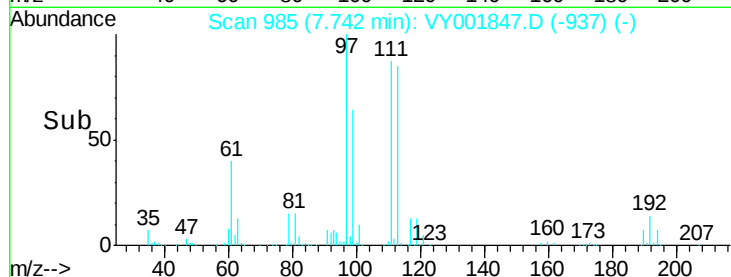
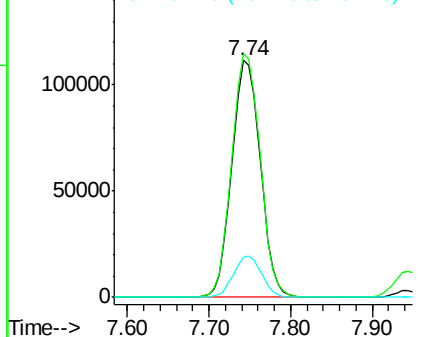
Tot Ion:	113	Resp:	268780
Ion	Ratio	Lower	Upper
113	100		
111	102.9	81.8	122.8
192	17.3	14.2	21.2

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



#36

1,1-Dichloropropene

Concen: 142.504 ug/l

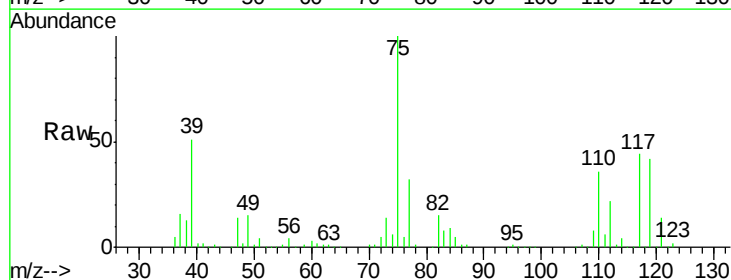
RT: 7.94 min Scan# 1018

Delta R.T. 0.00 min

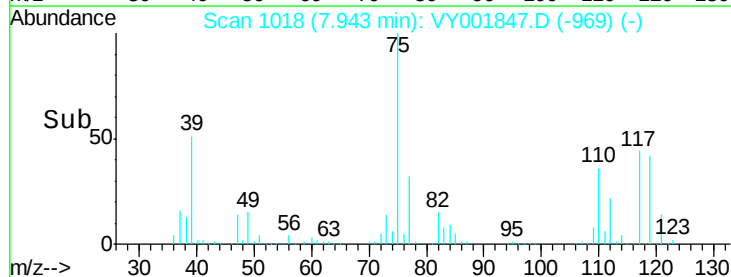
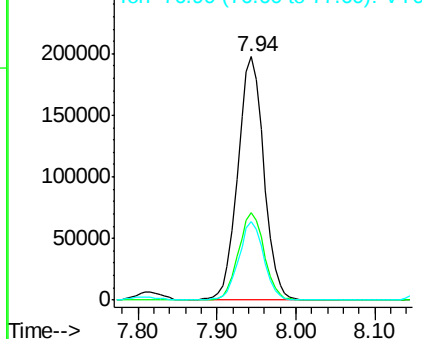
Lab File: VY001847.D

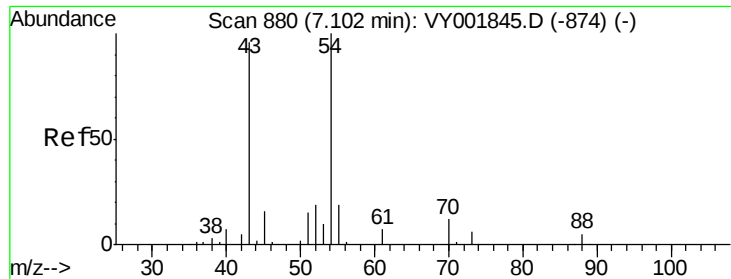
Acq: 04 Mar 2020 12:16

Tgt Ion:	75	Resp:	453192
Ion	Ratio	Lower	Upper
75	100		
110	35.6	17.4	52.2
77	31.3	24.2	36.2



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





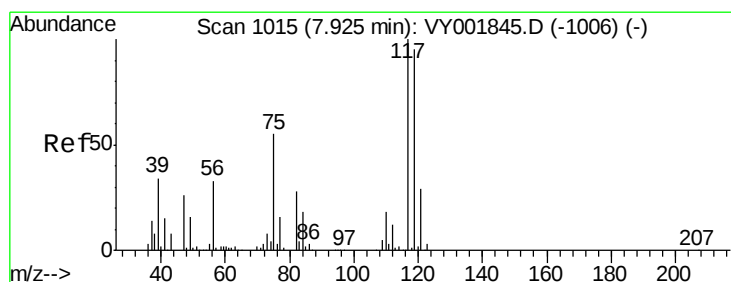
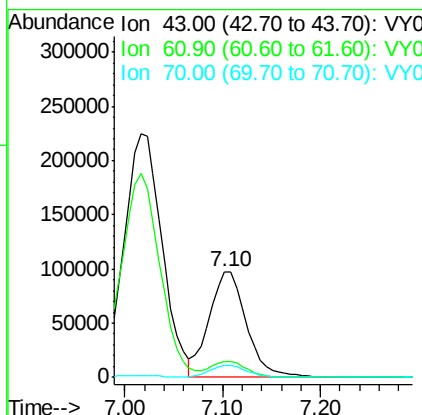
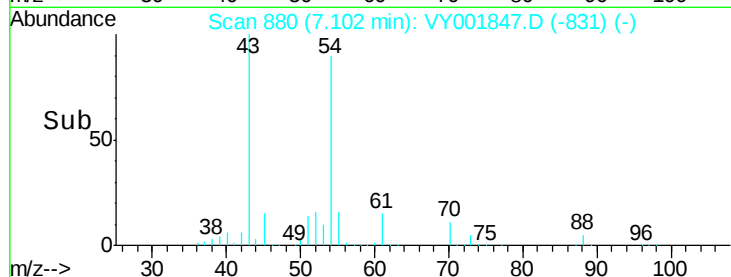
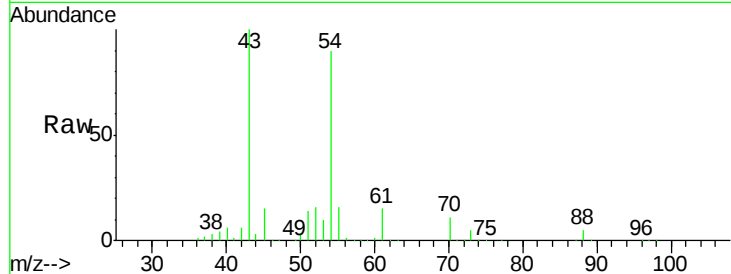
#37
Ethyl Acetate
Concen: 135.872 ug/l
RT: 7.10 min Scan# 880
Delta R.T. 0.00 min
Lab File: VY001847.D
Acq: 04 Mar 2020 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.1	16.7
70	11.0	8.2	12.4

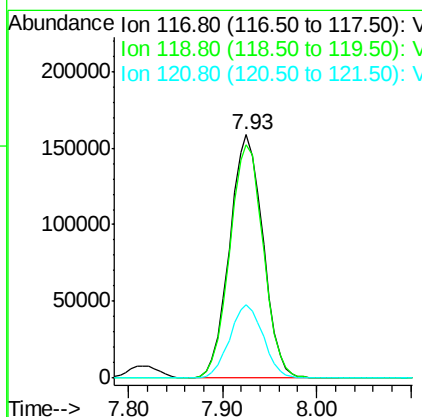
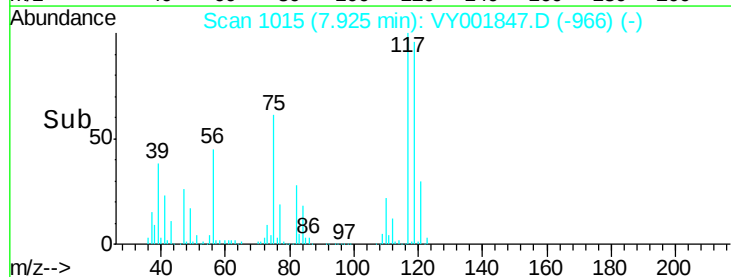
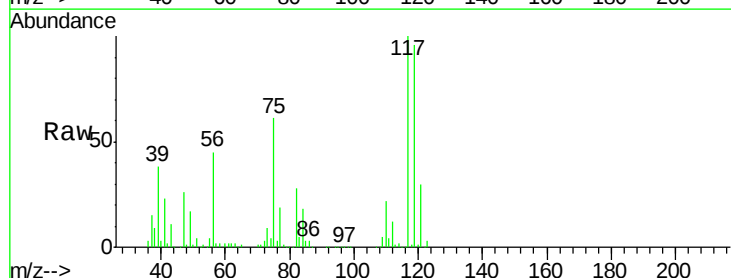
Manual Integrations
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#38
Carbon Tetrachloride
Concen: 143.779 ug/l
RT: 7.93 min Scan# 1015
Delta R.T. 0.00 min
Lab File: VY001847.D
Acq: 04 Mar 2020 12:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.6	76.3	114.5
121	30.3	23.5	35.3





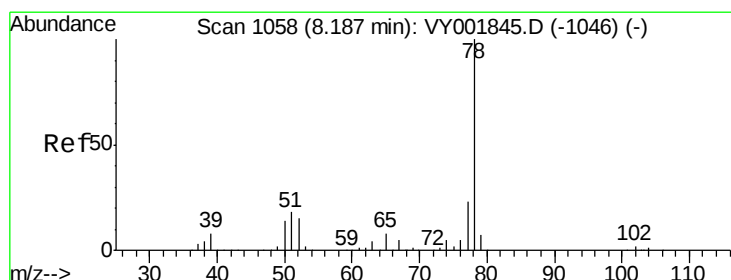
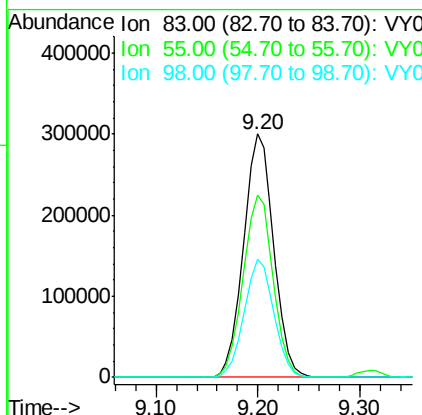
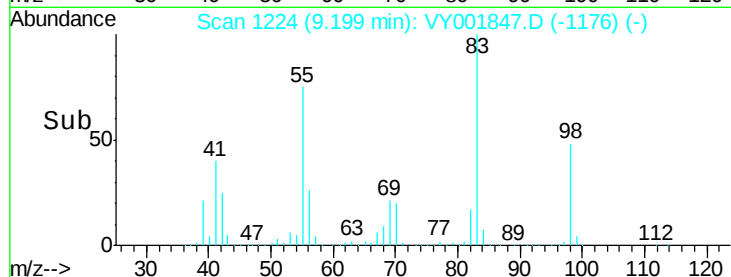
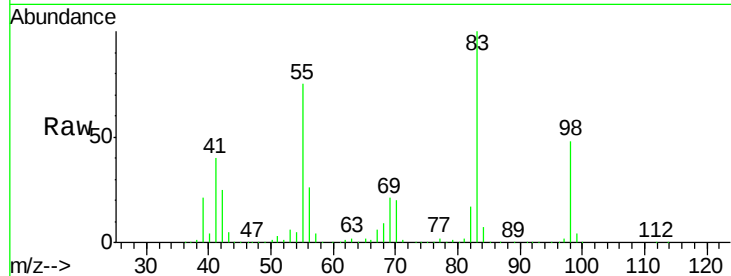
#39
Methvlcvclohexane
Concen: 144.602 ug/l
RT: 9.20 min Scan# 1224
Delta R.T. -0.01 min
Lab File: VY001847.D
Acq: 04 Mar 2020 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.9	59.4	89.0
98	48.4	38.9	58.3

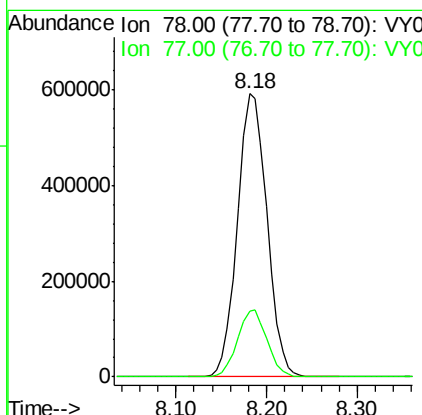
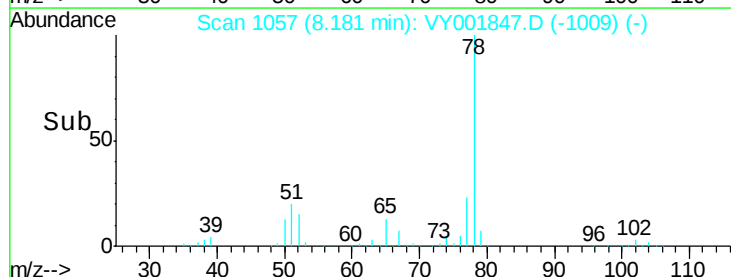
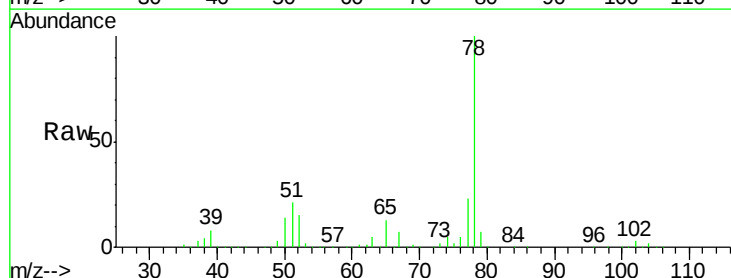
Manual Integrations
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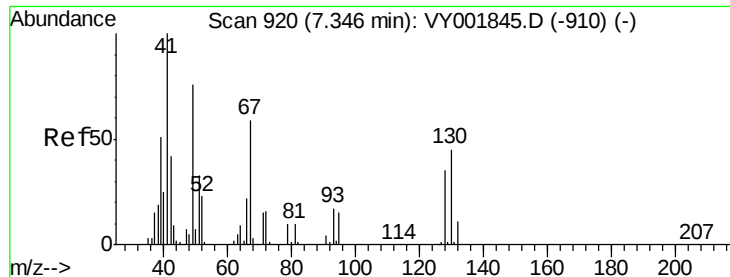
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#40
Benzene
Concen: 141.516 ug/l
RT: 8.18 min Scan# 1057
Delta R.T. -0.01 min
Lab File: VY001847.D
Acq: 04 Mar 2020 12:16

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.7	28.1





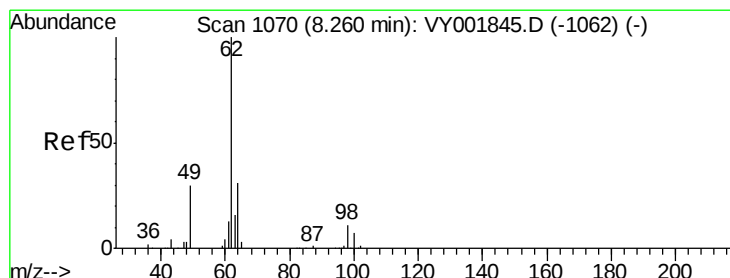
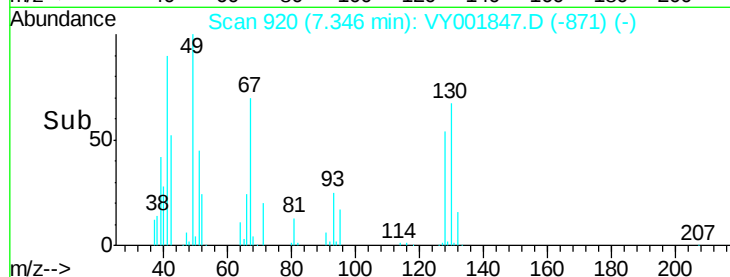
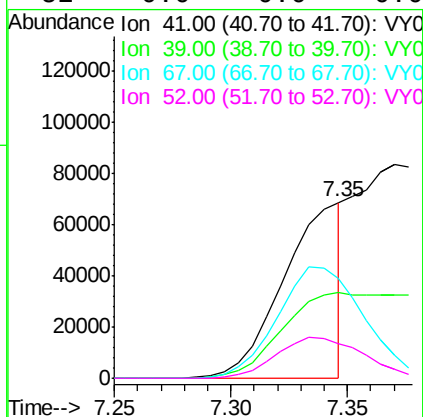
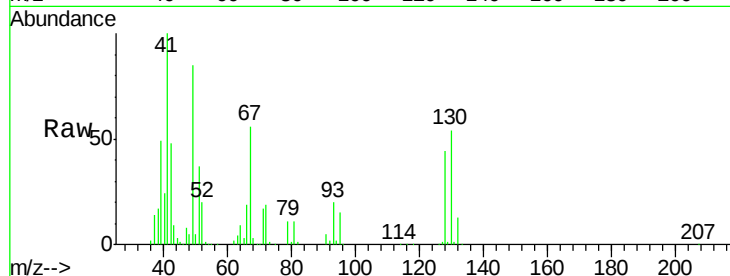
#41
Methacrylonitrile
Concen: 53.128 ug/l m
RT: 7.35 min Scan# 920
Delta R.T. 0.00 min
Lab File: VY001847.D
Acq: 04 Mar 2020 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion	41	Resp	119070
Ion	Ratio	Lower	Upper
41	100		
39	0.0	111.7	167.5#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

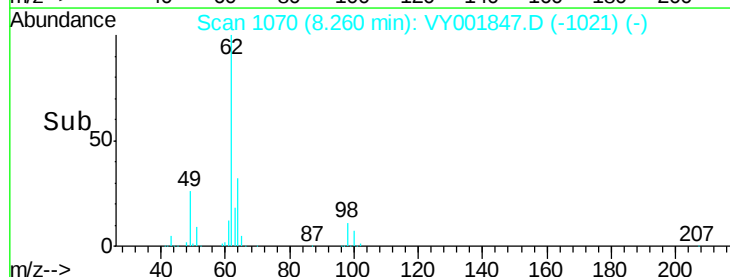
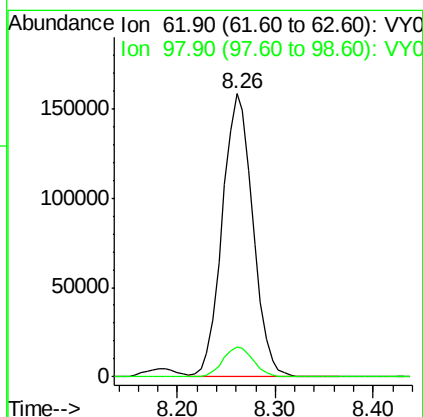
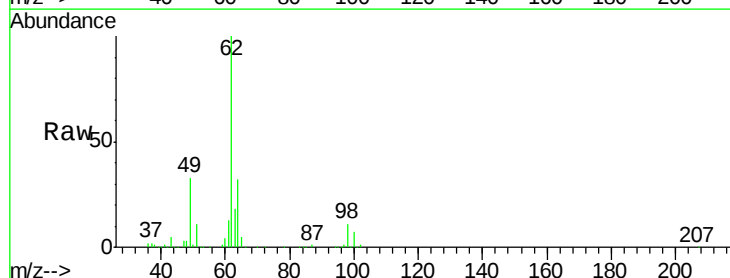
Manual Integrations
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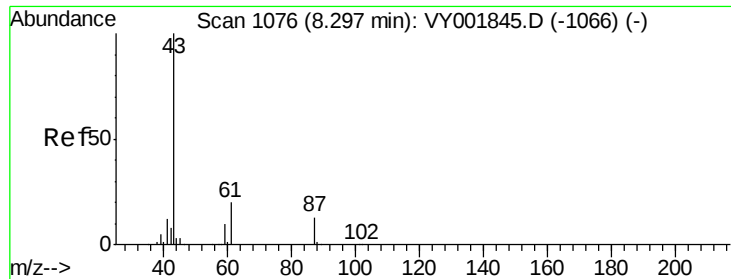
MMDadoda
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#42
1,2-Dichloroethane
Concen: 140.393 ug/l
RT: 8.26 min Scan# 1070
Delta R.T. 0.00 min
Lab File: VY001847.D
Acq: 04 Mar 2020 12:16

Tgt Ion	62	Resp	342583
Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	21.4





#43

Isopropyl Acetate

Concen: 141.822 ug/l

RT: 8.30 min Scan# 1076

Delta R.T. 0.00 min

Lab File: VY001847.D

Acq: 04 Mar 2020 12:16

Instrument :

MSVOA_Y

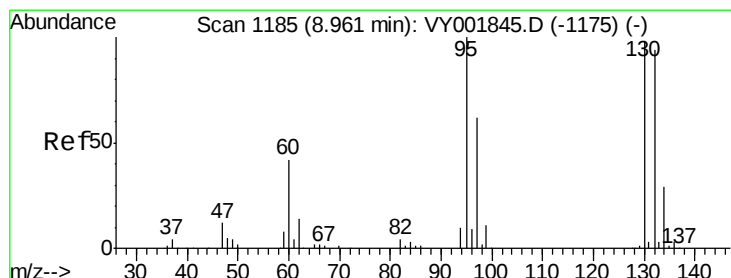
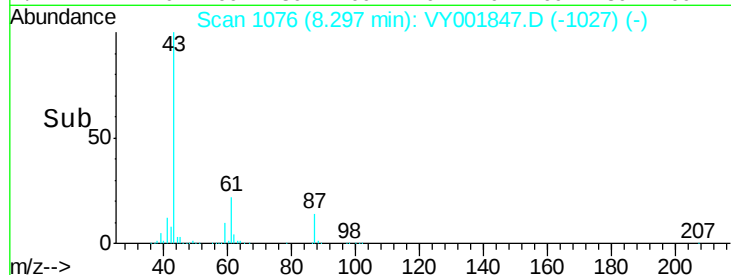
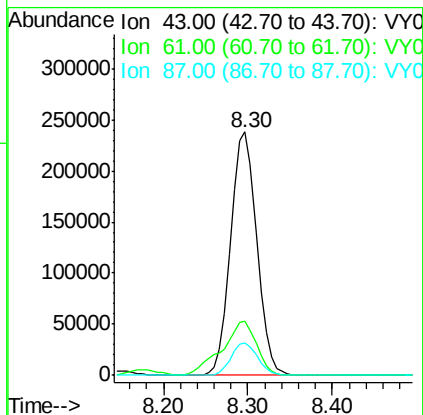
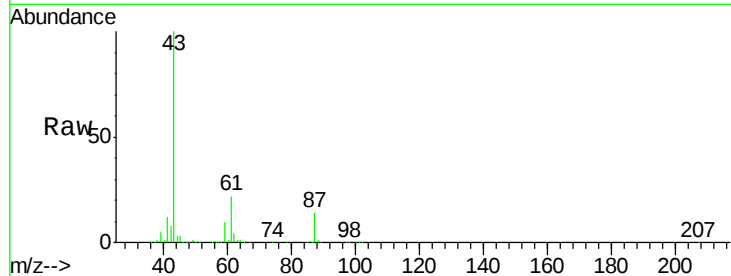
ClientSampleId :

VSTDIC150

Tot Ion:	43	Resp:	499609
Ion	Ratio	Lower	Upper
43	100		
61	29.4	23.8	35.6
87	13.4	10.9	16.3

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#44

Trichloroethene

Concen: 142.503 ug/l

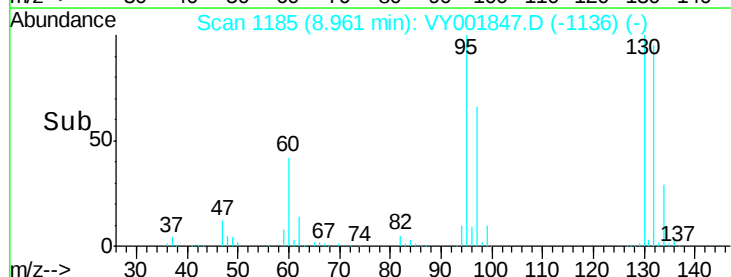
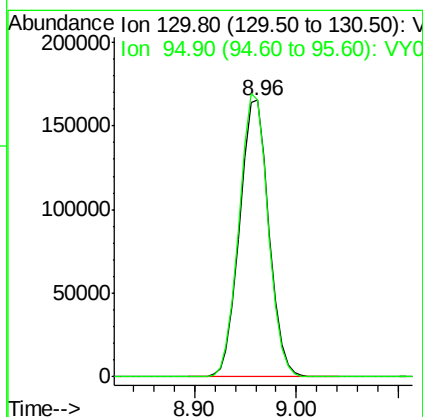
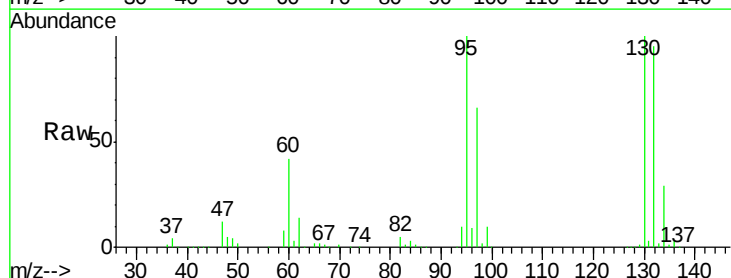
RT: 8.96 min Scan# 1185

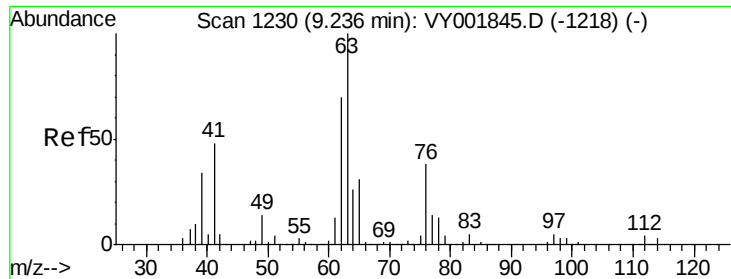
Delta R.T. 0.00 min

Lab File: VY001847.D

Acq: 04 Mar 2020 12:16

Tgt Ion:	130	Resp:	328842
Ion	Ratio	Lower	Upper
130	100		
95	100.2	0.0	204.6





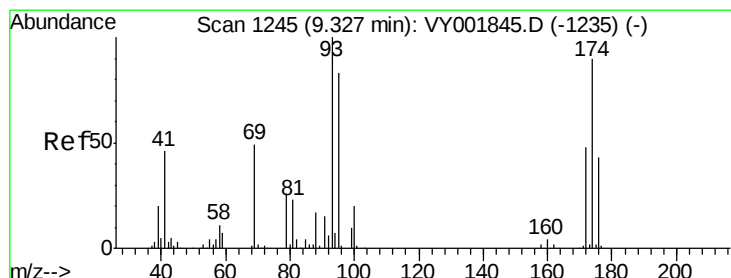
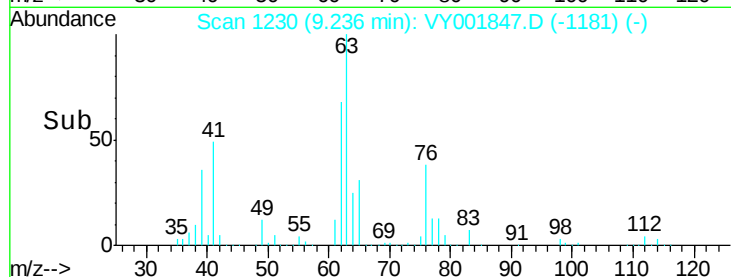
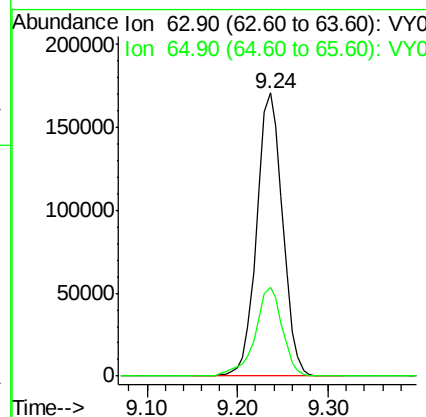
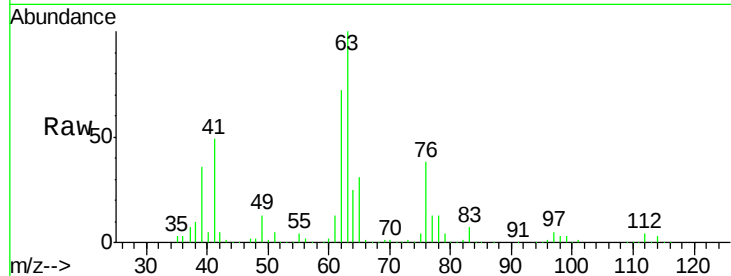
#45
 1,2-Dichloropropane
 Concen: 141.112 ug/l
 RT: 9.24 min Scan# 1230
 Delta R.T. 0.00 min
 Lab File: VY001847.D
 Acq: 04 Mar 2020 12:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.2	24.9	37.3

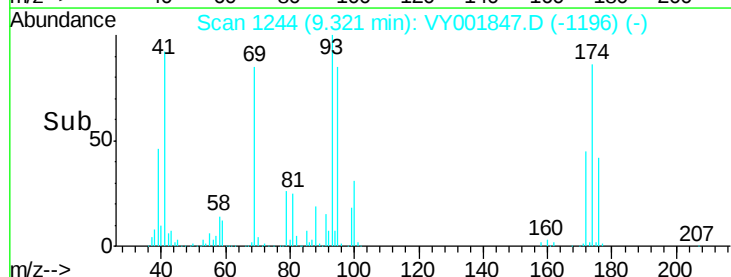
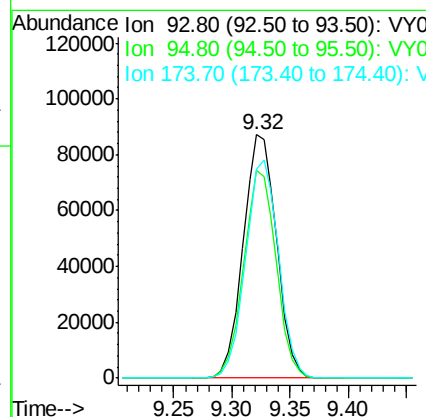
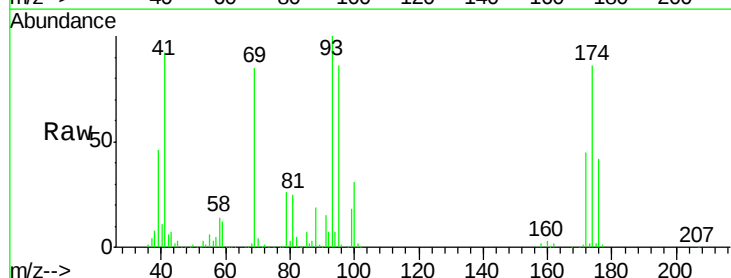
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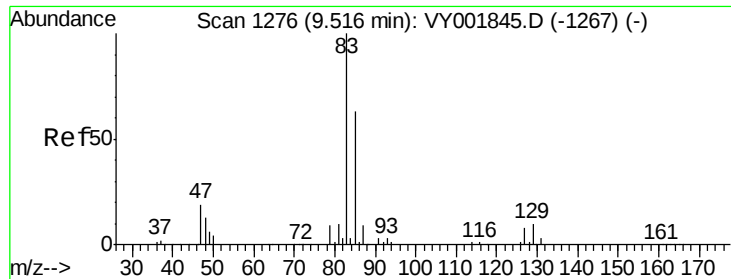
MMDadoda
 3/5/2020 1:37:14 PM



#46
 Dibromomethane
 Concen: 140.390 ug/l
 RT: 9.32 min Scan# 1244
 Delta R.T. -0.01 min
 Lab File: VY001847.D
 Acq: 04 Mar 2020 12:16

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.2	67.0	100.4
174	88.5	71.8	107.8





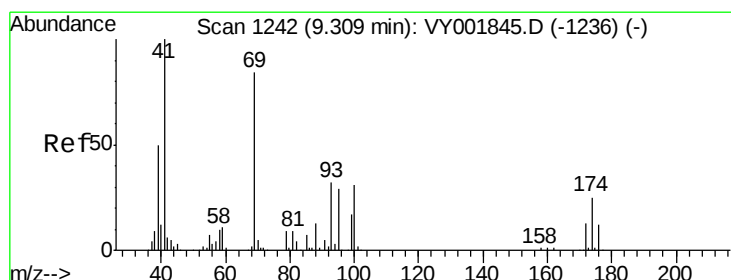
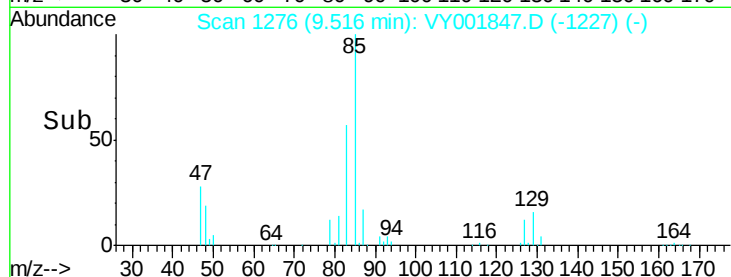
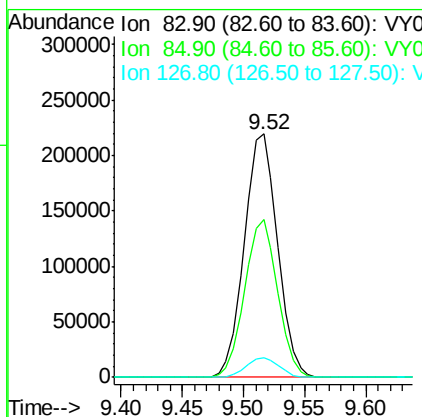
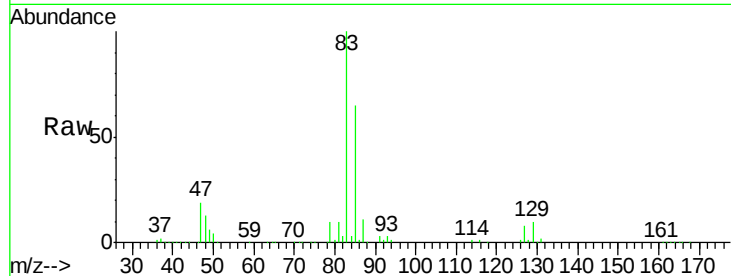
#47
Bromodichloromethane
Concen: 145.082 ug/l
RT: 9.52 min Scan# 1276
Delta R.T. 0.00 min
Lab File: VY001847.D
Acq: 04 Mar 2020 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
83	100		
85	65.0	50.6	76.0
127	7.9	6.2	9.4

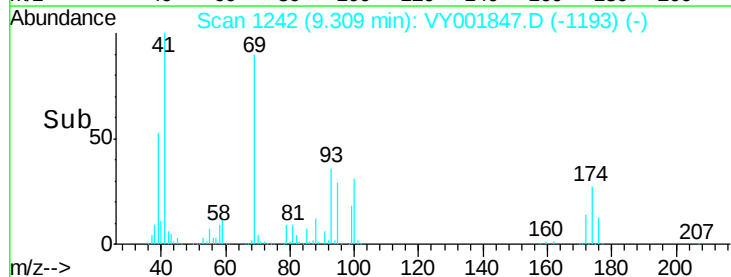
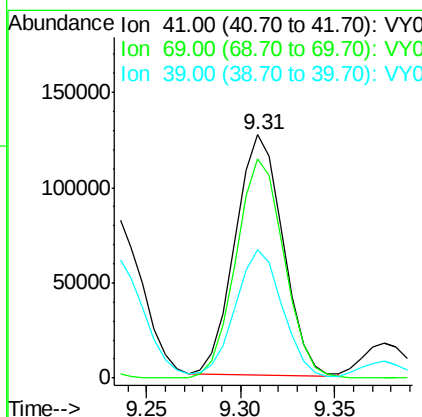
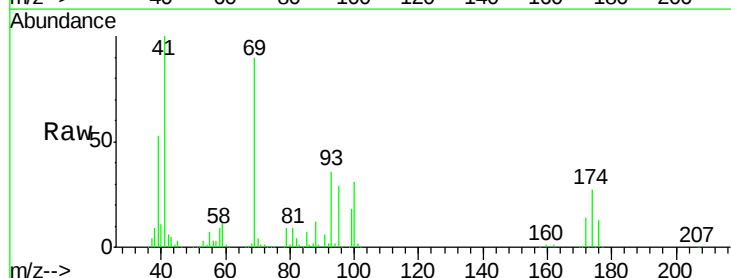
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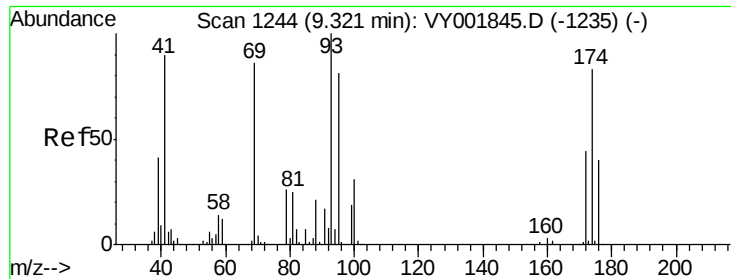
MMDadoda
3/5/2020 1:37:14 PM



#48
Methyl methacrylate
Concen: 138.753 ug/l
RT: 9.31 min Scan# 1242
Delta R.T. 0.00 min
Lab File: VY001847.D
Acq: 04 Mar 2020 12:16

Tgt Ion	Ratio	Lower	Upper
41	100		
69	92.1	69.0	103.6
39	51.3	39.1	58.7





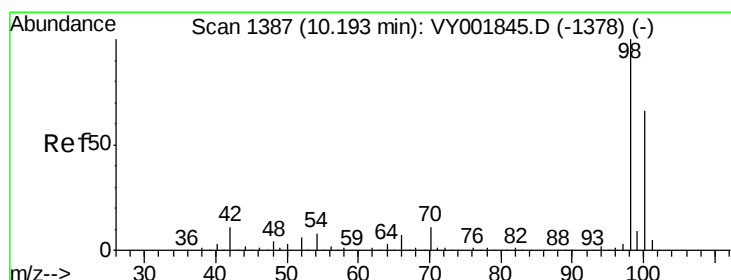
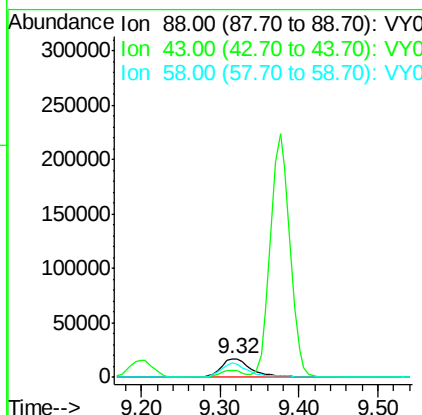
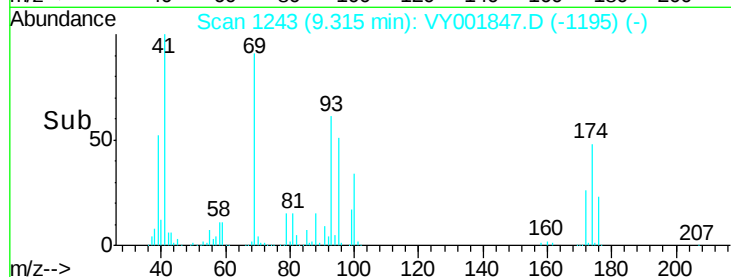
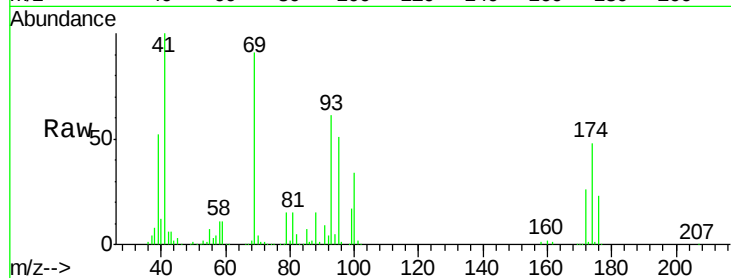
#49
1,4-Dioxane
Concen: 2877.021 ug/l
RT: 9.32 min Scan# 1243
Delta R.T. -0.01 min
Lab File: VY001847.D
Acq: 04 Mar 2020 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.2	25.0	37.6
58	73.3	58.9	88.3

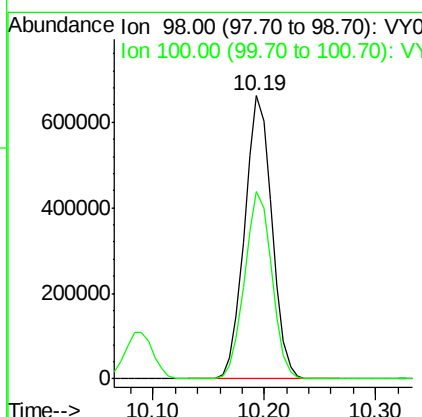
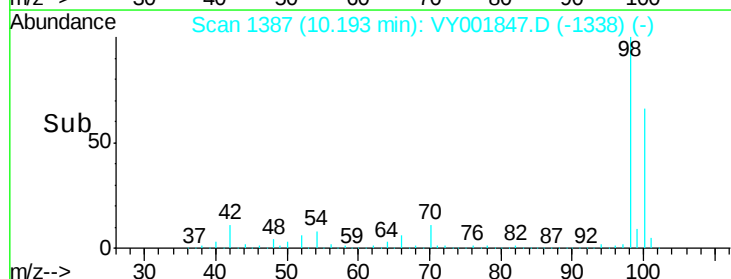
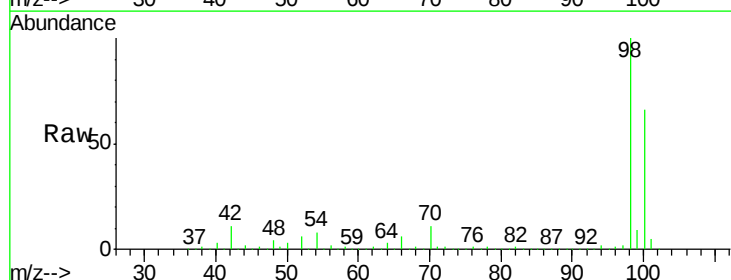
Manual Integrations
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3/5/2020 1:37:14 PM



#50
Toluene-d8
Concen: 144.221 ug/l
RT: 10.19 min Scan# 1387
Delta R.T. 0.00 min
Lab File: VY001847.D
Acq: 04 Mar 2020 12:16

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.2	53.0	79.4





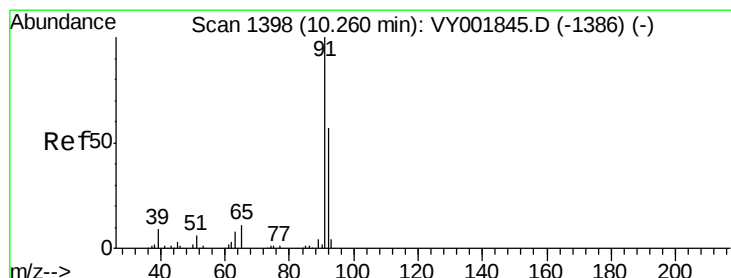
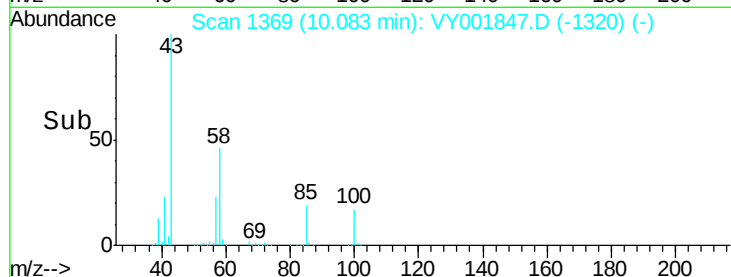
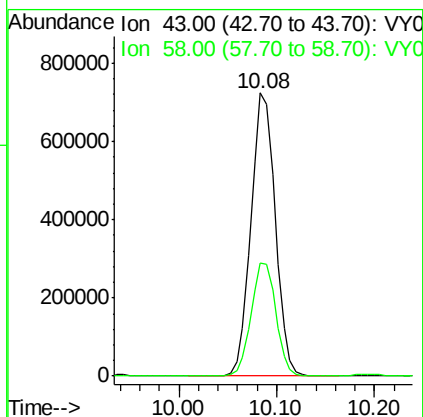
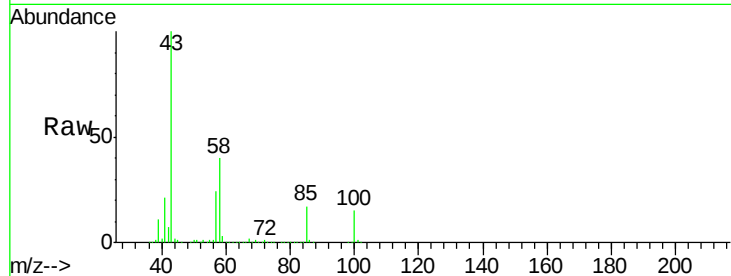
#51
4-Methyl-2-Pentanone
Concen: 691.576 ug/l
RT: 10.08 min Scan# 1369
Delta R.T. 0.00 min
Lab File: VY001847.D
Acq: 04 Mar 2020 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 1255447
Ion Ratio Lower Upper
43 100
58 40.7 32.0 48.0

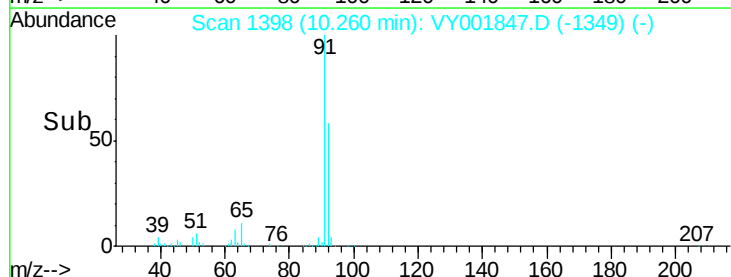
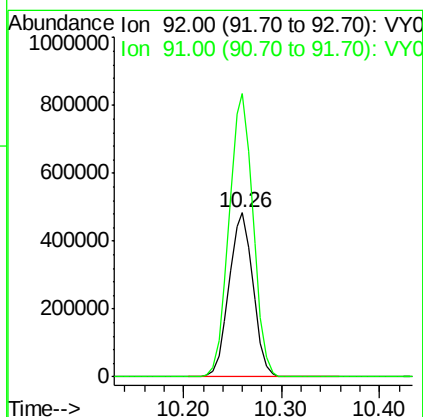
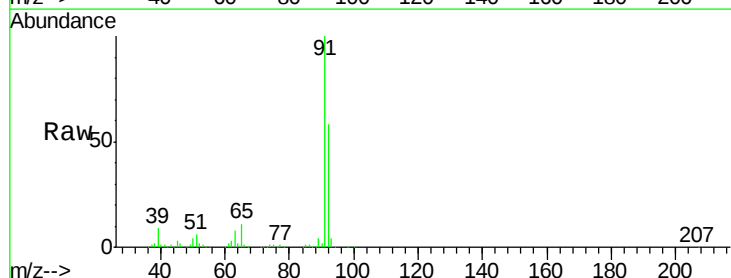
Manual Integrations
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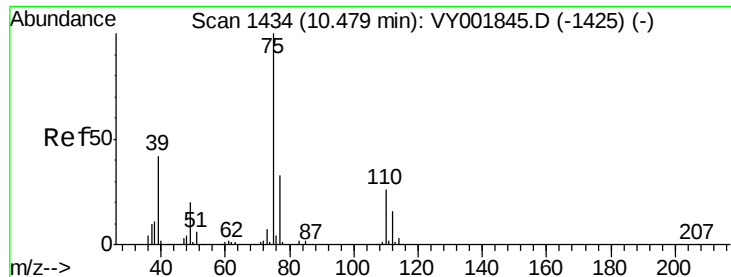
MMDadoda
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#52
Toluene
Concen: 143.304 ug/l
RT: 10.26 min Scan# 1398
Delta R.T. 0.00 min
Lab File: VY001847.D
Acq: 04 Mar 2020 12:16

Tgt Ion: 92 Resp: 821462
Ion Ratio Lower Upper
92 100
91 172.3 138.6 208.0





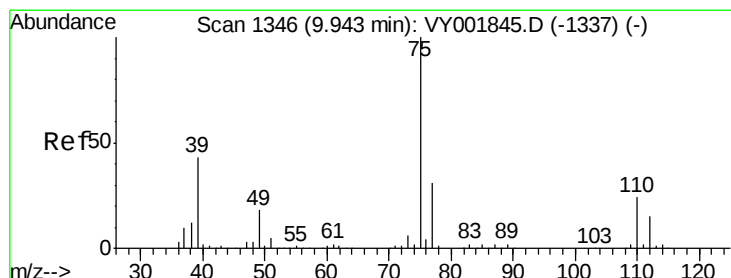
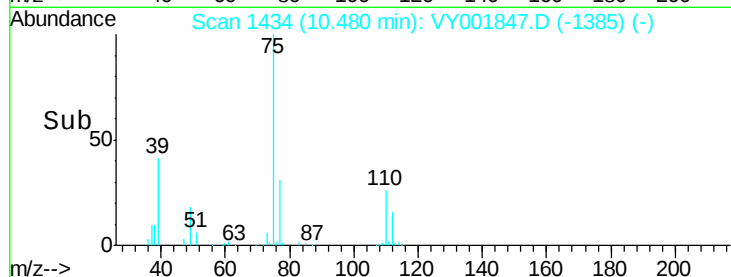
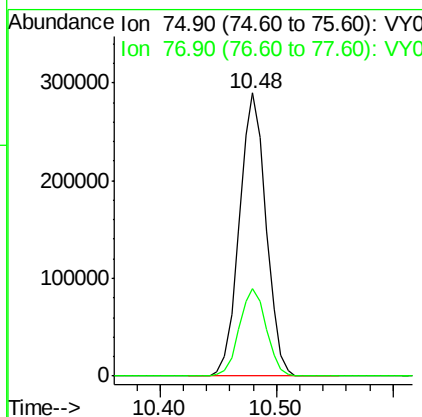
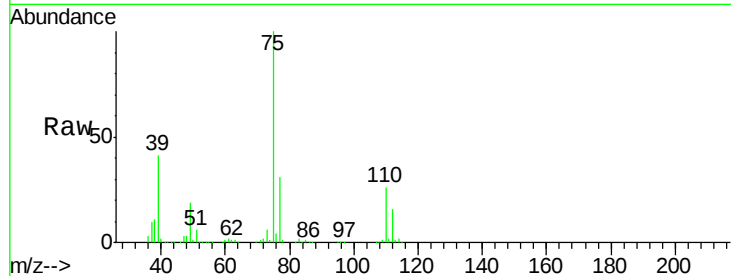
#53
t-1,3-Dichloropropene
Concen: 148.151 ug/l
RT: 10.48 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VY001847.D
Acq: 04 Mar 2020 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.0	26.3	39.5

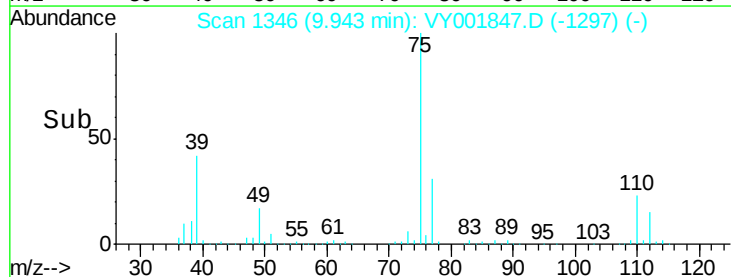
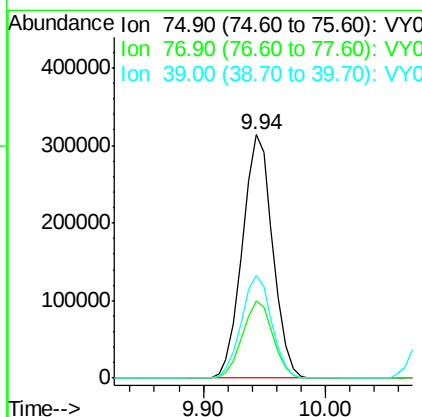
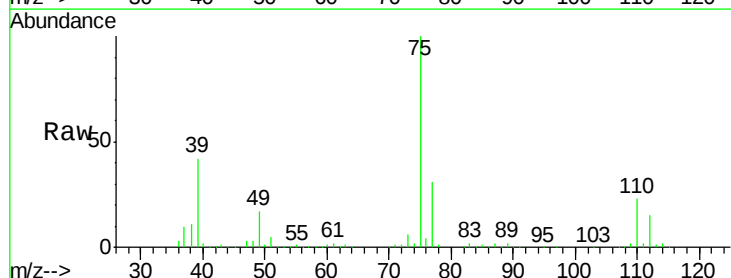
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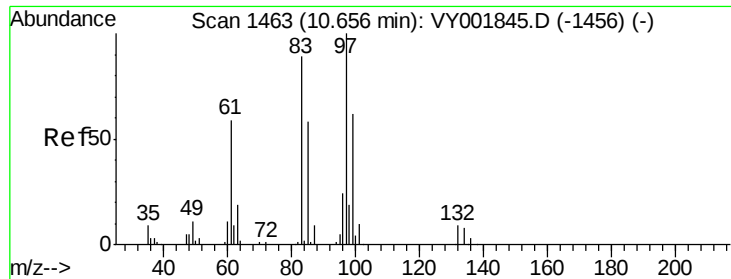
MMDadoda
3/5/2020 1:37:14 PM



#54
cis-1,3-Dichloropropene
Concen: 145.166 ug/l
RT: 9.94 min Scan# 1346
Delta R.T. 0.00 min
Lab File: VY001847.D
Acq: 04 Mar 2020 12:16

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.1	37.7
39	42.4	34.7	52.1





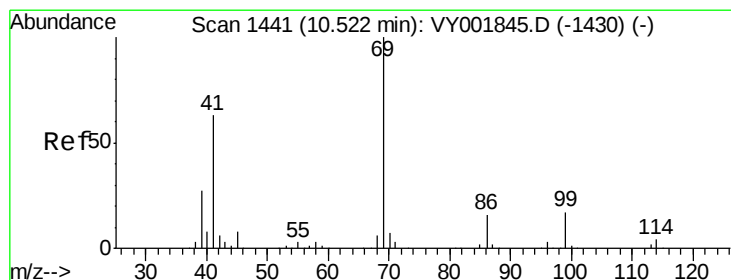
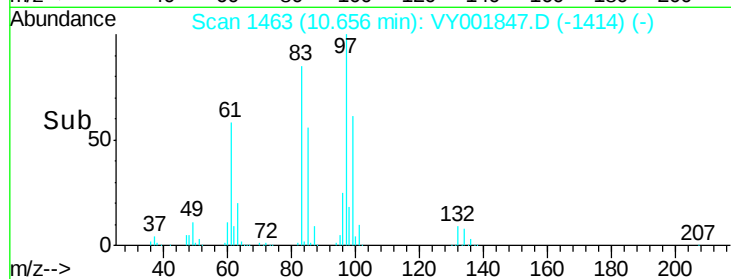
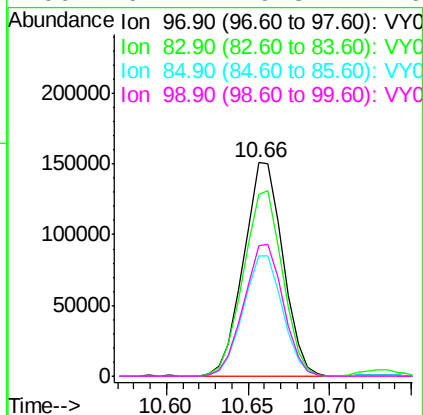
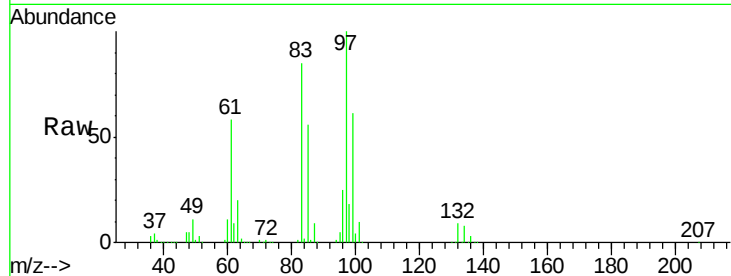
#55
 1,1,2-Trichloroethane
 Concen: 141.156 ug/l
 RT: 10.66 min Scan# 1463
 Delta R.T. 0.00 min
 Lab File: VY001847.D
 Acq: 04 Mar 2020 12:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC150

Tot Ion:	97	Resp:	254596
Ion	Ratio	Lower	Upper
97	100		
83	85.2	71.6	107.4
85	56.3	46.6	69.8
99	61.1	49.8	74.6

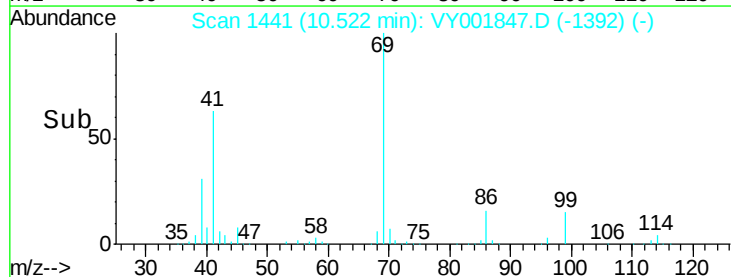
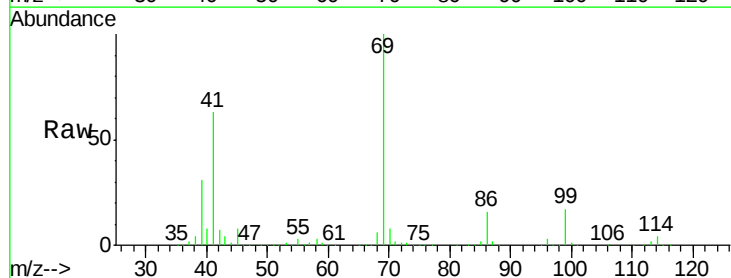
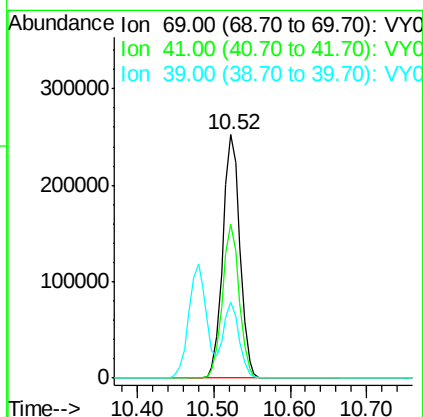
Manual Integrations
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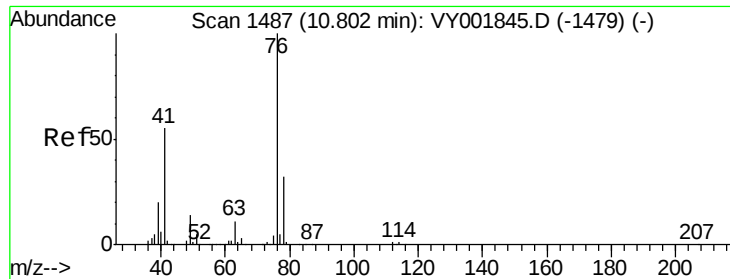
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 3/5/2020 1:37:14 PM



#56
 Ethyl methacrylate
 Concen: 148.032 ug/l
 RT: 10.52 min Scan# 1441
 Delta R.T. 0.00 min
 Lab File: VY001847.D
 Acq: 04 Mar 2020 12:16

Tgt Ion:	69	Resp:	389061
Ion	Ratio	Lower	Upper
69	100		
41	61.8	49.9	74.9
39	28.6	23.0	34.6





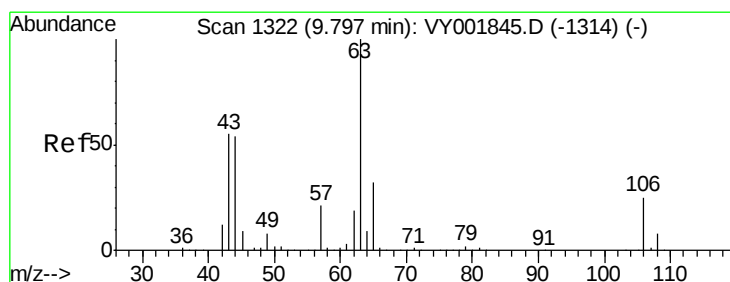
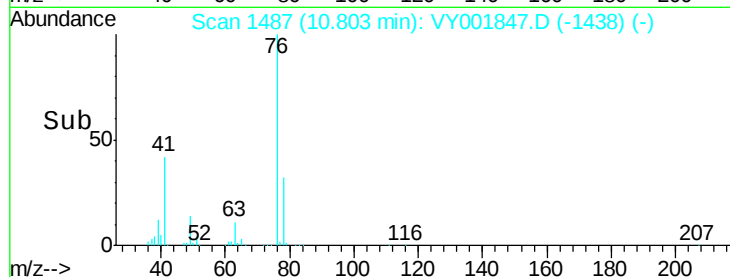
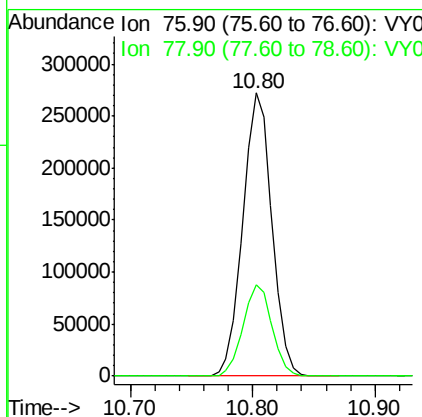
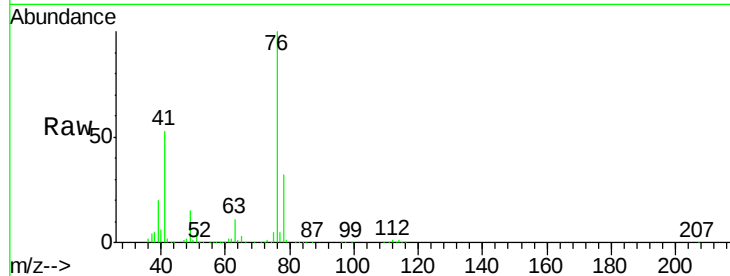
#57
 1,3-Dichloropropane
 Concen: 140.579 ug/l
 RT: 10.80 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VY001847.D
 Acq: 04 Mar 2020 12:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC150

Tot Ion: 76 Resp: 449025
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.8 38.6

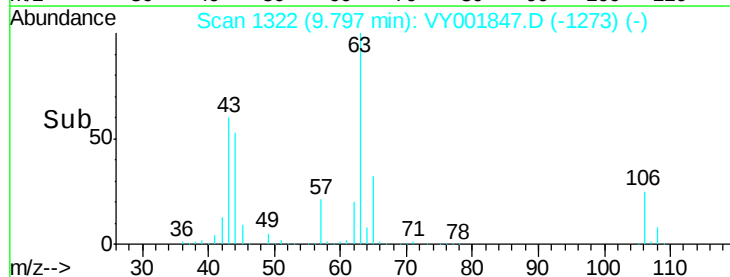
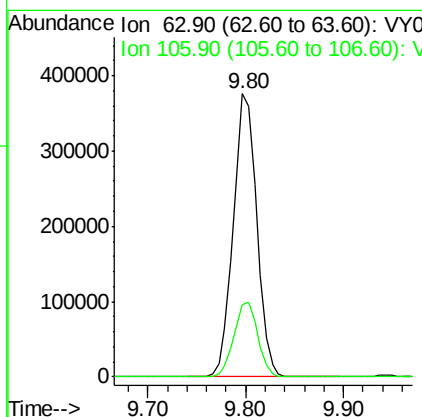
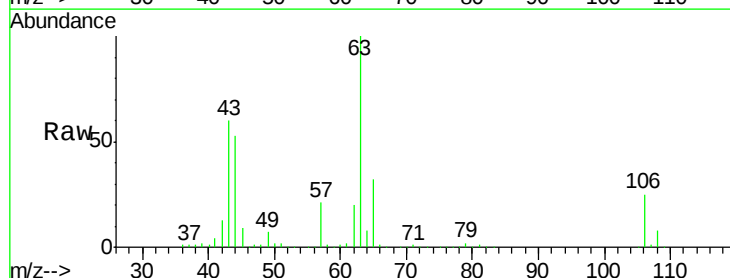
Manual Integrations
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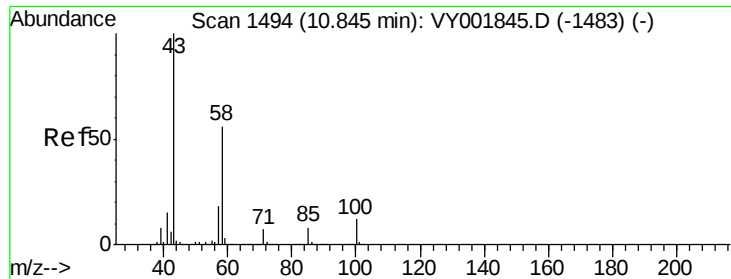
MMDadoda
 3/5/2020 1:37:14 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 588.228 ug/l
 RT: 9.80 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VY001847.D
 Acq: 04 Mar 2020 12:16

Tgt Ion: 63 Resp: 627176
 Ion Ratio Lower Upper
 63 100
 106 26.8 21.3 31.9





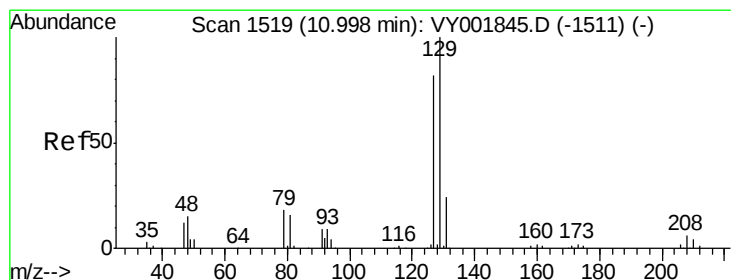
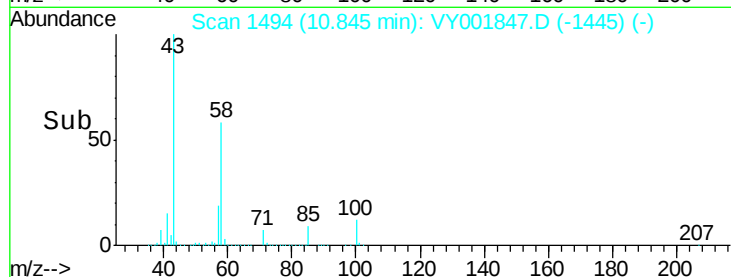
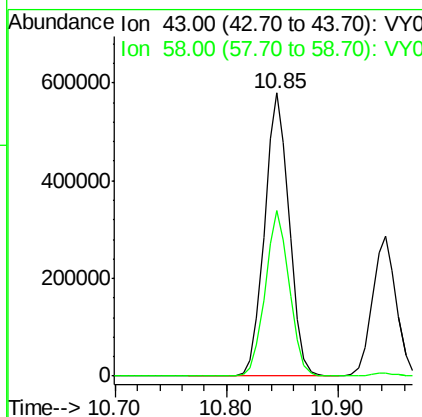
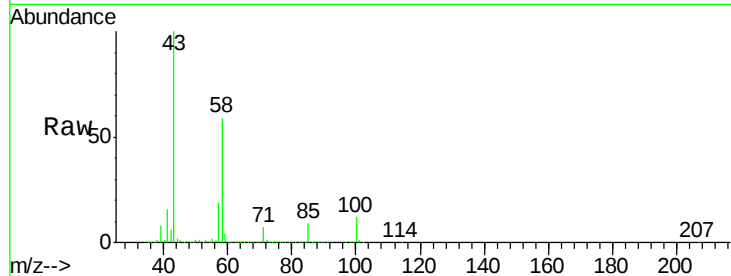
#59
2-Hexanone
Concen: 690.182 ug/l
RT: 10.85 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VY001847.D
Acq: 04 Mar 2020 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 890846
Ion Ratio Lower Upper
43 100
58 57.5 28.1 84.3

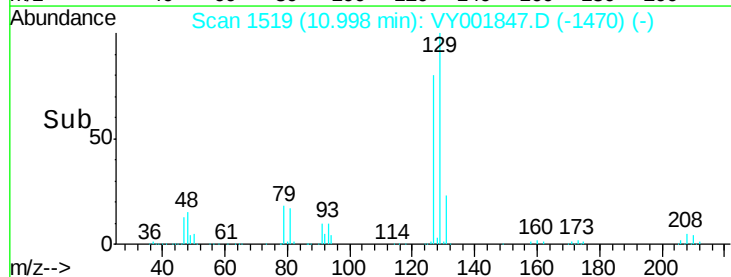
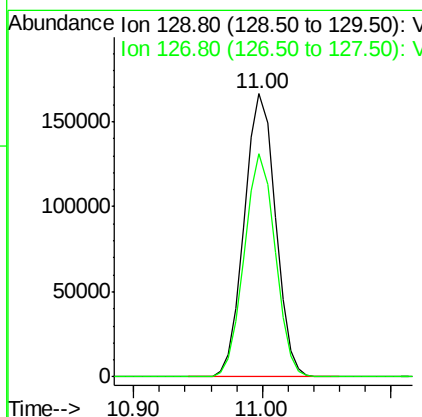
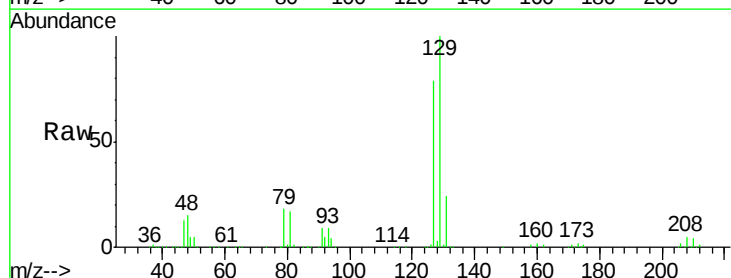
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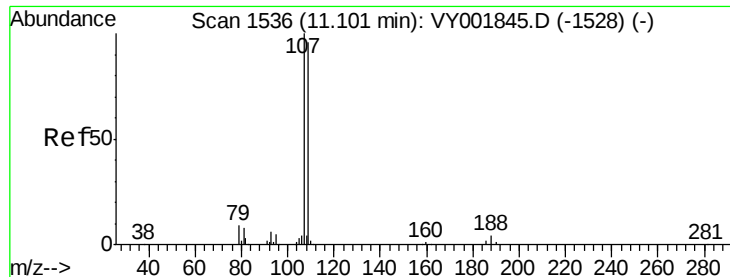
MMDadoda
3/5/2020 1:37:14 PM



#60
Dibromochloromethane
Concen: 146.911 ug/l
RT: 11.00 min Scan# 1519
Delta R.T. 0.00 min
Lab File: VY001847.D
Acq: 04 Mar 2020 12:16

Tgt Ion: 129 Resp: 278481
Ion Ratio Lower Upper
129 100
127 77.9 39.0 117.0





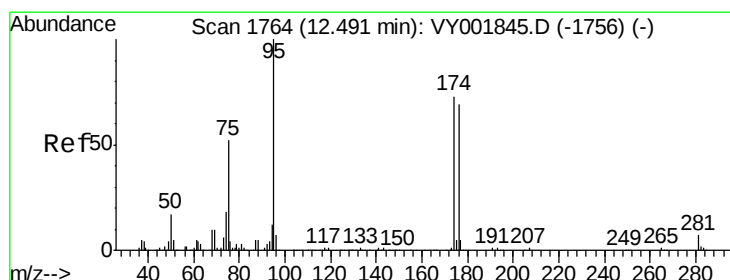
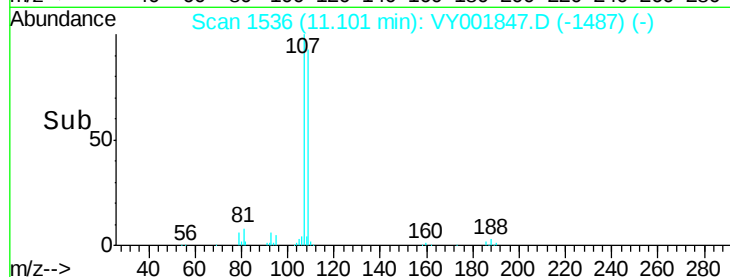
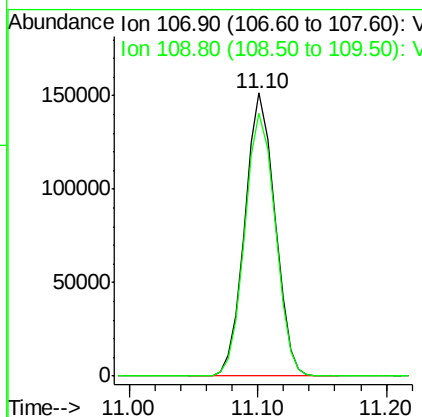
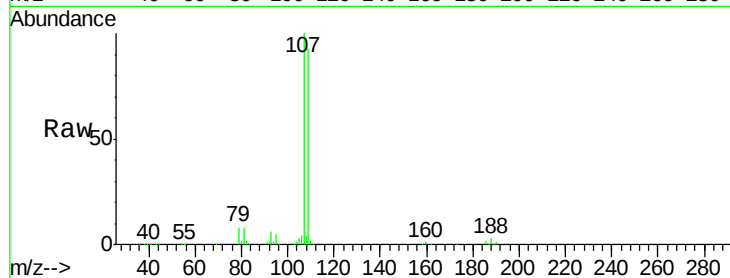
#61
 1,2-Dibromoethane
 Concen: 144.720 ug/l
 RT: 11.10 min Scan# 1536
 Delta R.T. 0.00 min
 Lab File: VY001847.D
 Acq: 04 Mar 2020 12:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
107	100	243950		
109	94.2	75.4	113.0	

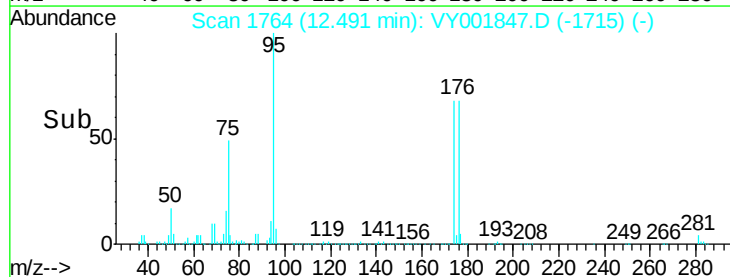
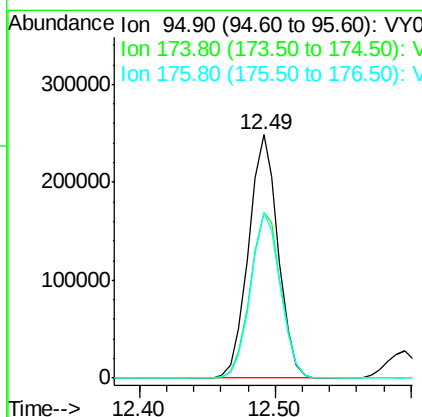
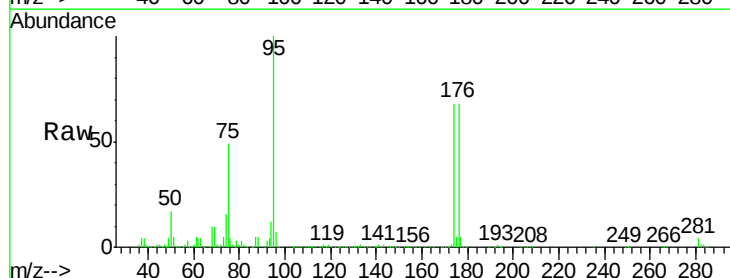
Manual Integrations
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#62
 4-Bromofluorobenzene
 Concen: 139.829 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. 0.00 min
 Lab File: VY001847.D
 Acq: 04 Mar 2020 12:16

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	377959		
174	70.7	0.0	145.0	
176	68.3	0.0	137.4	





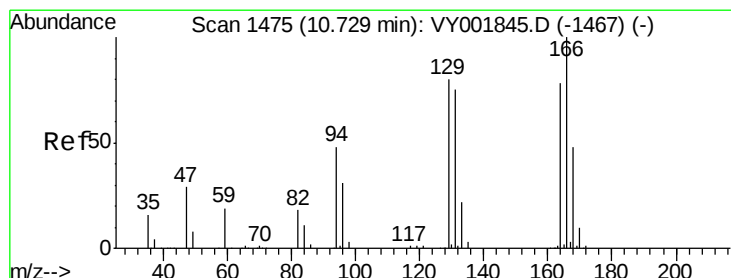
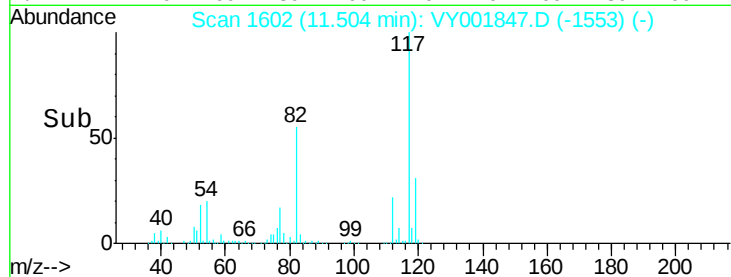
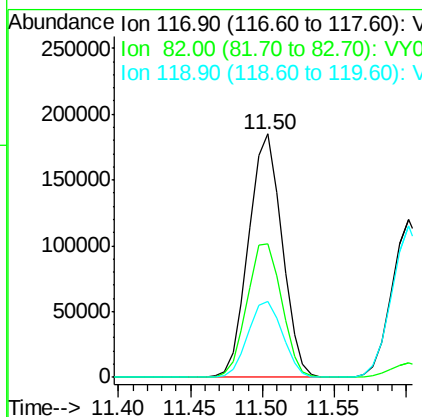
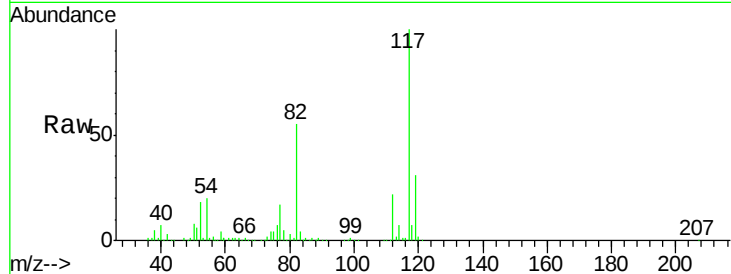
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.00 min
Lab File: VY001847.D
Acq: 04 Mar 2020 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
117	100	297132		
82	55.1	44.5	66.7	
119	31.2	25.7	38.5	

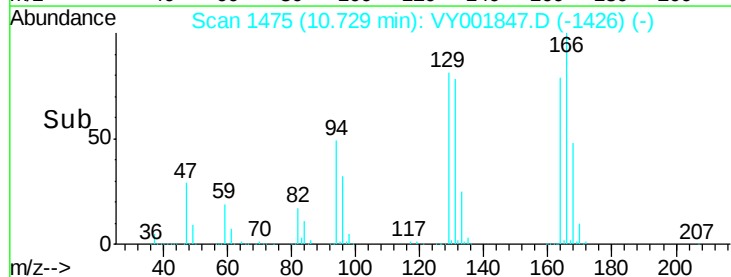
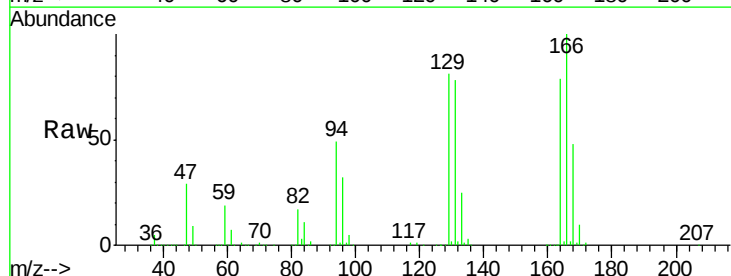
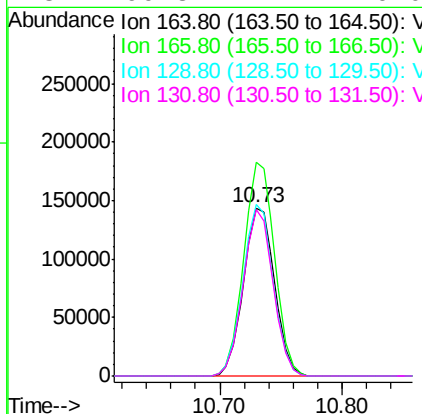
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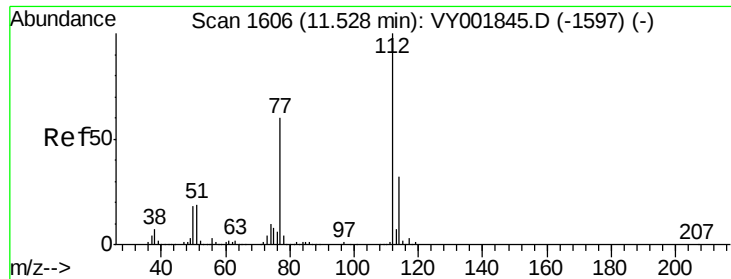
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#64
Tetrachloroethene
Concen: 137.919 ug/l
RT: 10.73 min Scan# 1475
Delta R.T. 0.00 min
Lab File: VY001847.D
Acq: 04 Mar 2020 12:16

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	252790		
166	127.2	102.6	154.0	
129	102.4	82.3	123.5	
131	99.3	77.4	116.0	





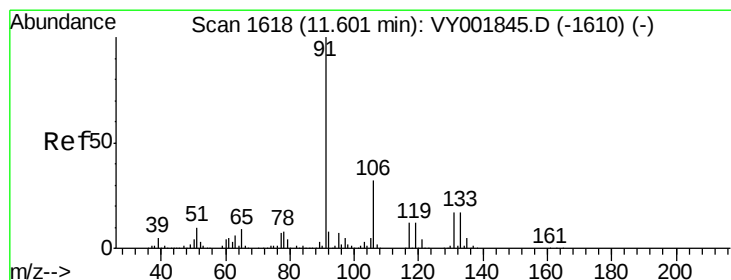
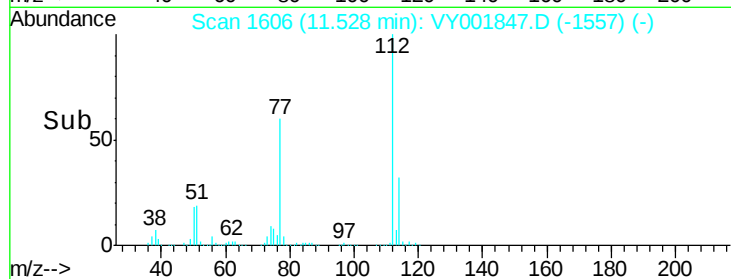
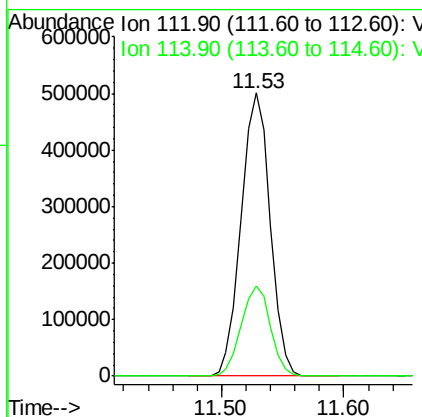
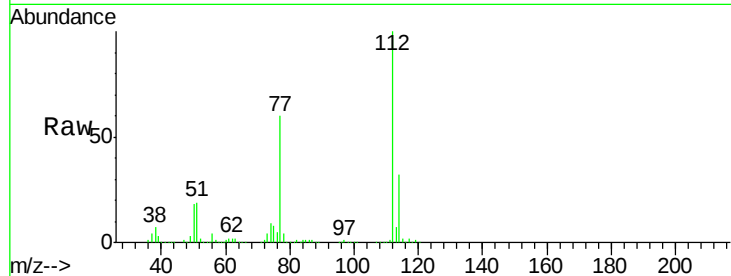
#65
Chlorobenzene
Concen: 142.115 ug/l
RT: 11.53 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VY001847.D
Acq: 04 Mar 2020 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.0	25.9	38.9

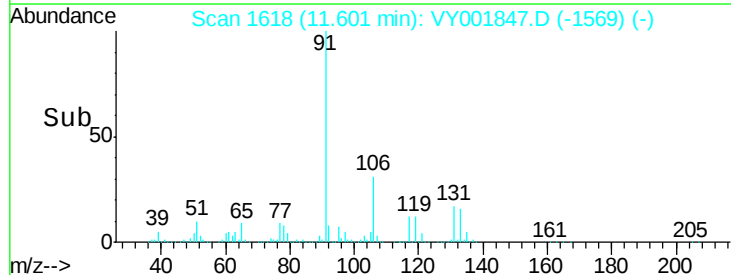
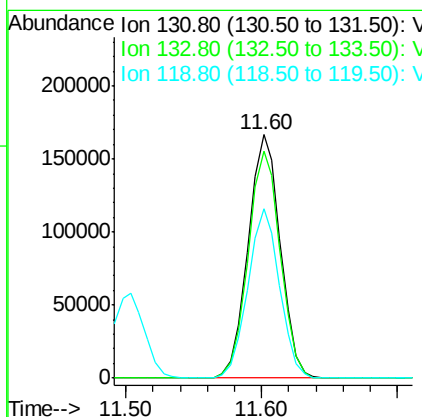
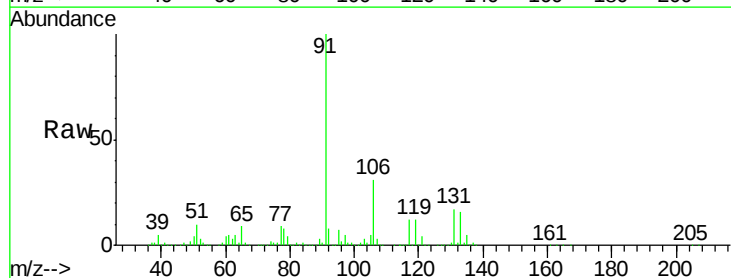
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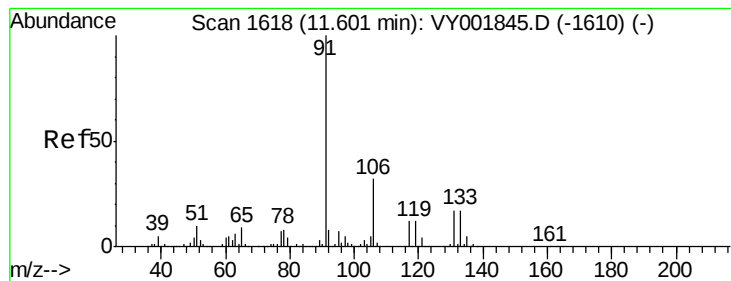
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#66
1,1,1,2-Tetrachloroethane
Concen: 145.638 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VY001847.D
Acq: 04 Mar 2020 12:16

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.3	47.1	141.3
119	68.4	34.5	103.6





#67

Ethyl Benzene

Concen: 141.479 ug/l

RT: 11.60 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VY001847.D

Acq: 04 Mar 2020 12:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 1533551

Ion Ratio Lower Upper

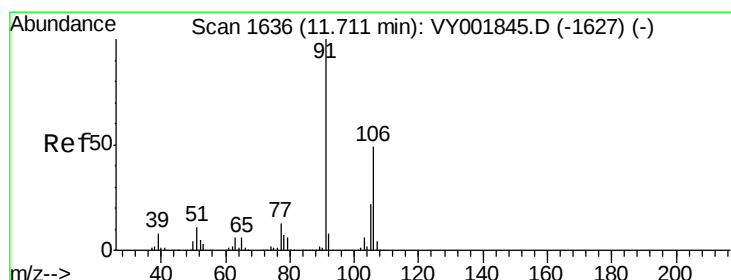
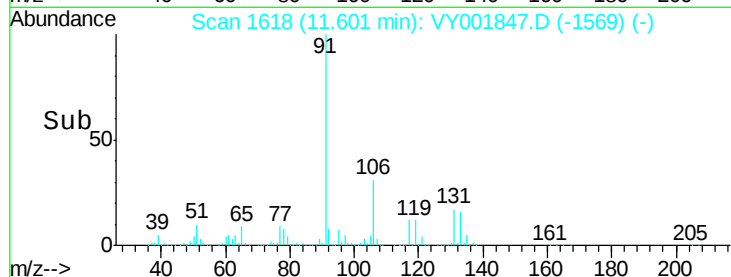
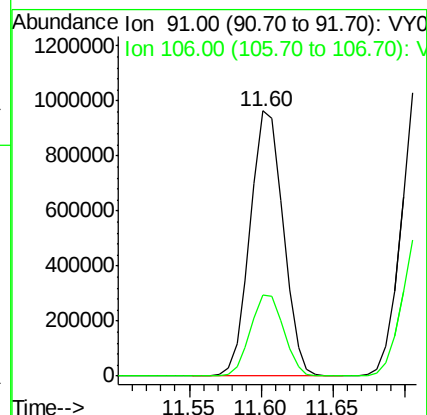
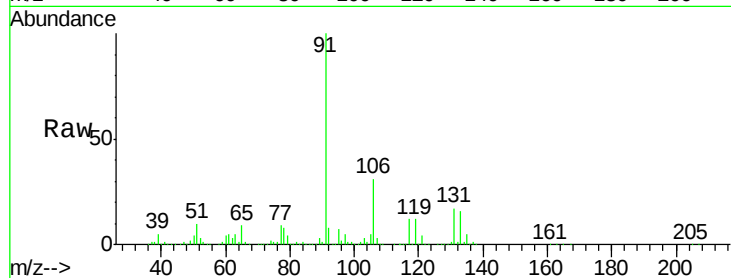
91 100

106 30.5 25.4 38.2

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#68

m/p-Xylenes

Concen: 281.172 ug/l

RT: 11.71 min Scan# 1636

Delta R.T. 0.00 min

Lab File: VY001847.D

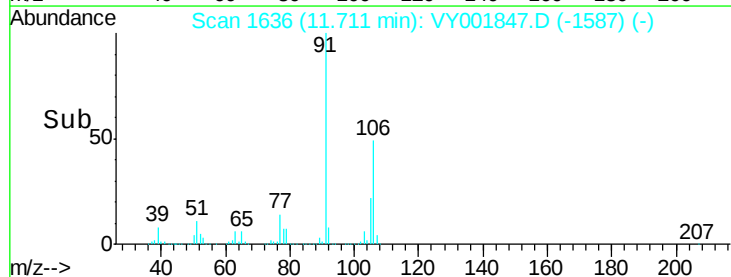
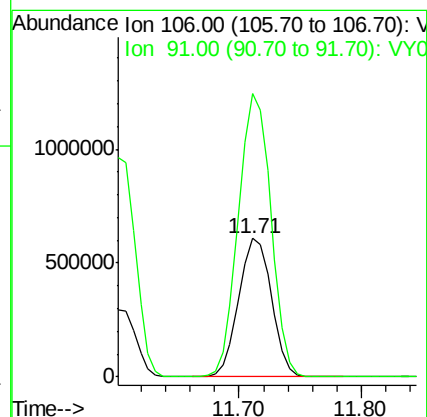
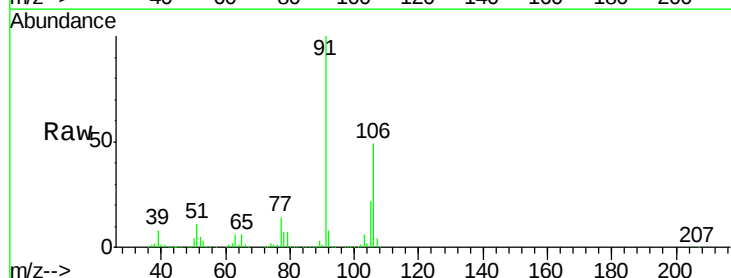
Acq: 04 Mar 2020 12:16

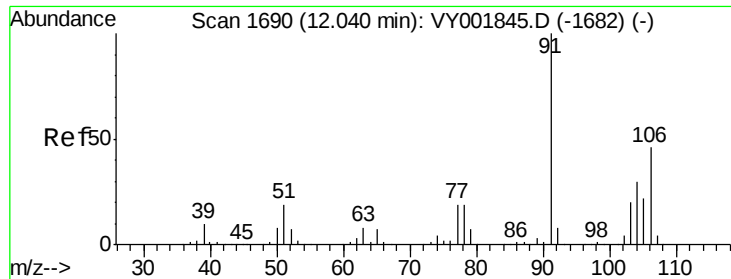
Tgt Ion: 106 Resp: 1127923

Ion Ratio Lower Upper

106 100

91 203.2 161.3 241.9





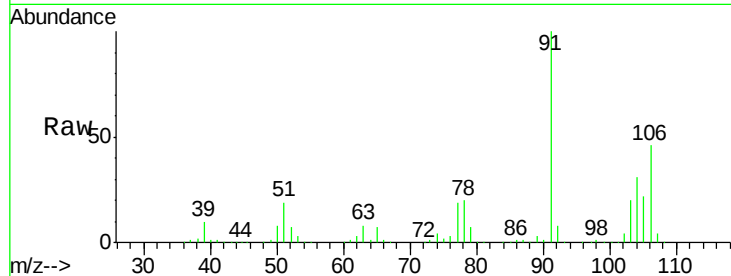
#69
o-Xylene
Concen: 141.161 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VY001847.D
Acq: 04 Mar 2020 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

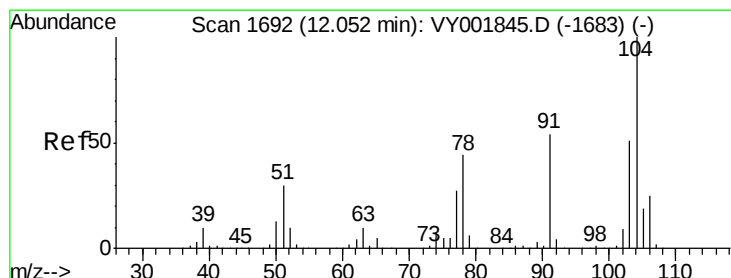
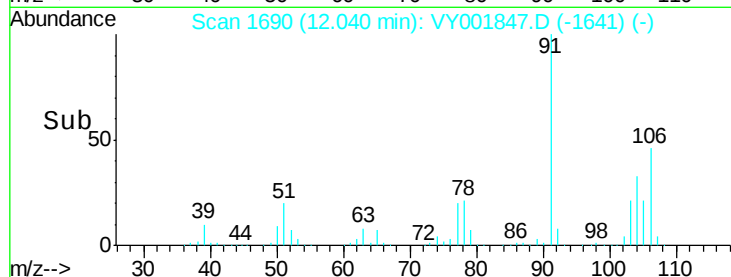
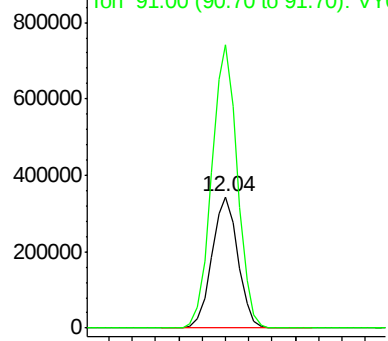
Tot Ion:106 Resp: 532610
Ion Ratio Lower Upper
106 100
91 213.8 106.8 320.4

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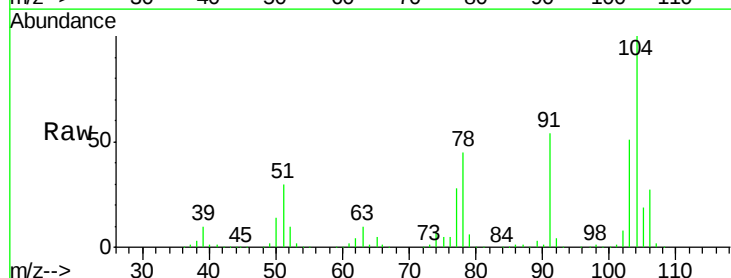


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VY0

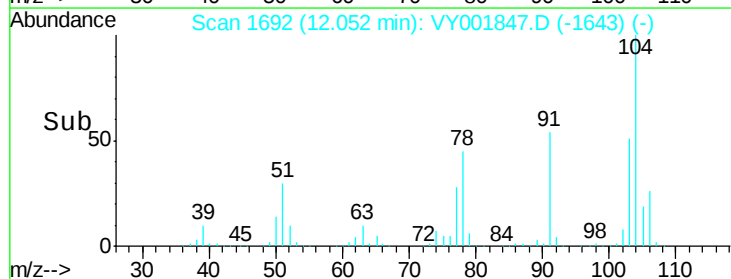
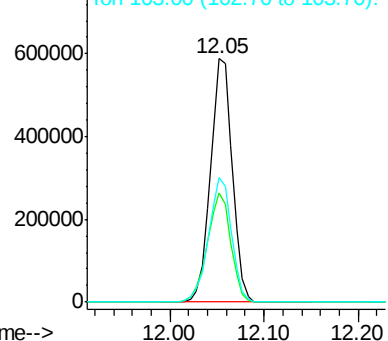


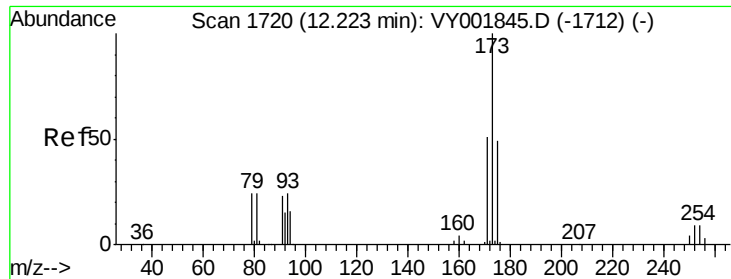
#70
Styrene
Concen: 143.719 ug/l
RT: 12.05 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VY001847.D
Acq: 04 Mar 2020 12:16

Tgt Ion:104 Resp: 937953
Ion Ratio Lower Upper
104 100
78 48.2 38.5 57.7
103 53.8 42.9 64.3



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VY0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 155.136 ug/l

RT: 12.22 min Scan# 1719

Delta R.T. -0.01 min

Lab File: VY001847.D

Acq: 04 Mar 2020 12:16

Instrument :

MSVOA_Y

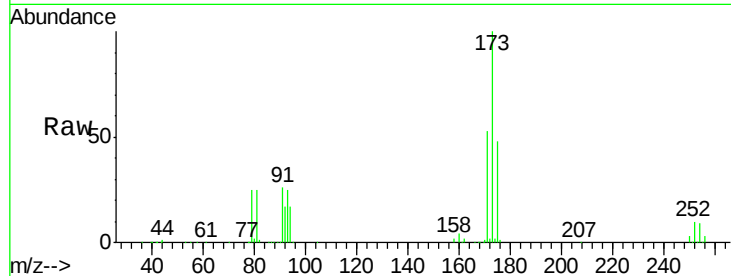
ClientSampleId :

VSTDIC150

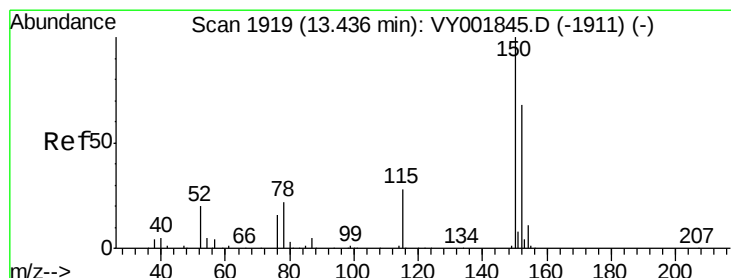
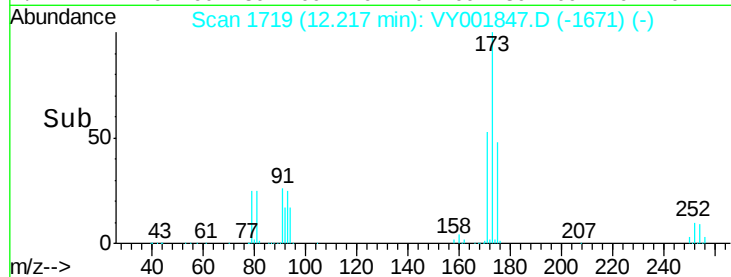
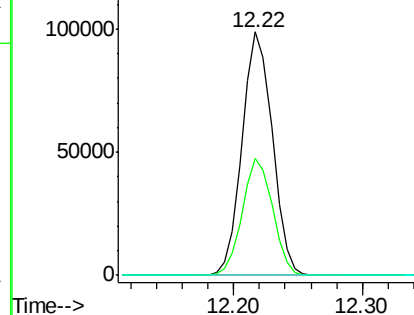
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.0	24.3	72.8
254	0.1	0.0	0.0

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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

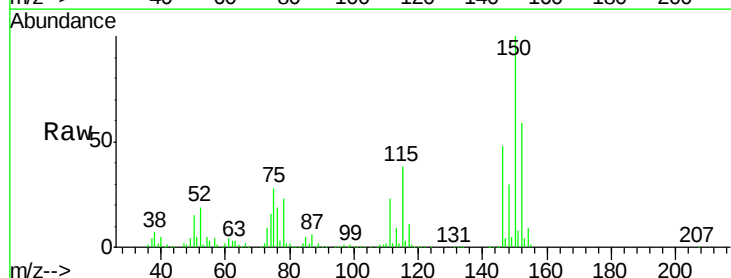
RT: 13.44 min Scan# 1919

Delta R.T. 0.00 min

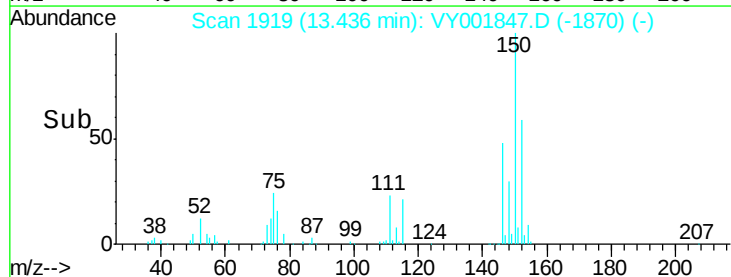
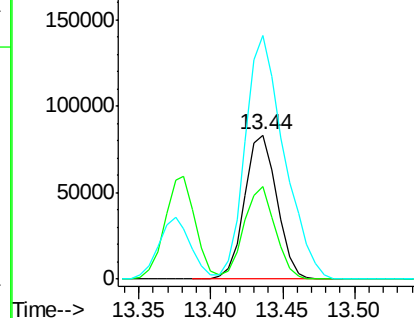
Lab File: VY001847.D

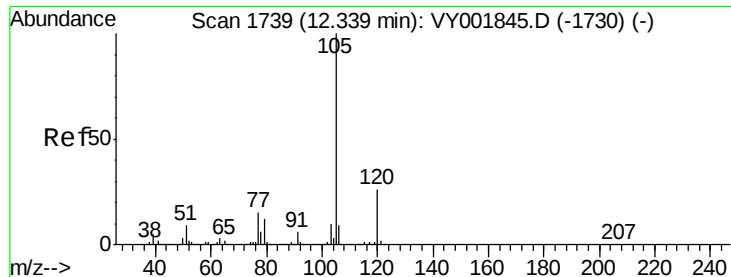
Acq: 04 Mar 2020 12:16

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.1	29.9	89.7
150	203.2	0.0	340.6



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: 148.959 ug/l

RT: 12.34 min Scan# 1739

Delta R.T. 0.00 min

Lab File: VY001847.D

Acq: 04 Mar 2020 12:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 1444141

Ion Ratio Lower Upper

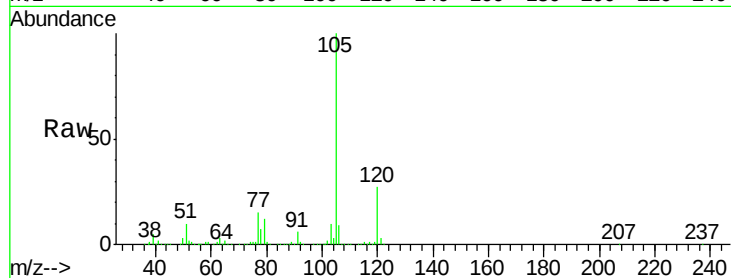
105 100

120 26.5 13.1 39.3

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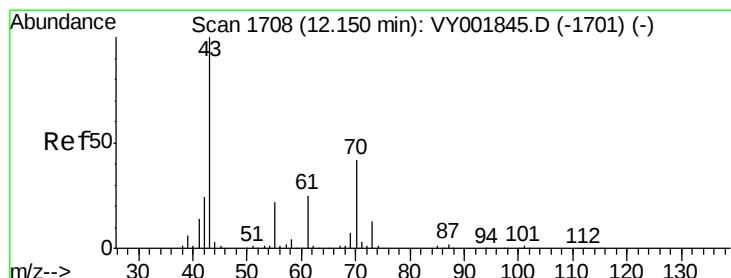
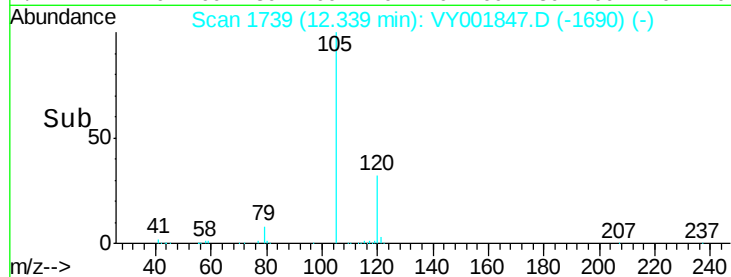
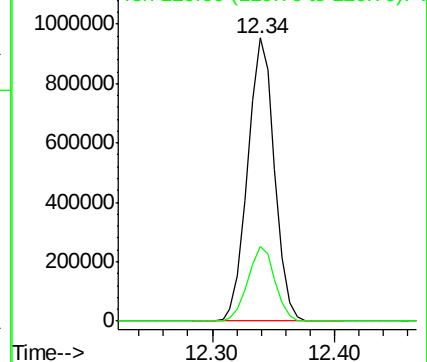
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 146.770 ug/l

RT: 12.15 min Scan# 1708

Delta R.T. 0.00 min

Lab File: VY001847.D

Acq: 04 Mar 2020 12:16

Tgt Ion: 43 Resp: 436326

Ion Ratio Lower Upper

43 100

70 45.0 34.7 52.1

55 23.1 18.2 27.4

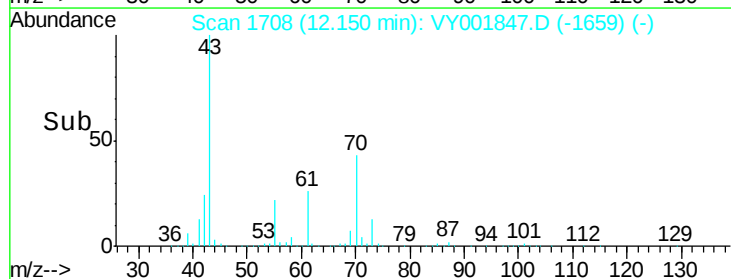
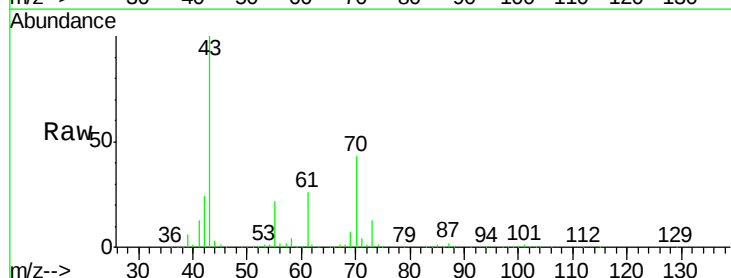
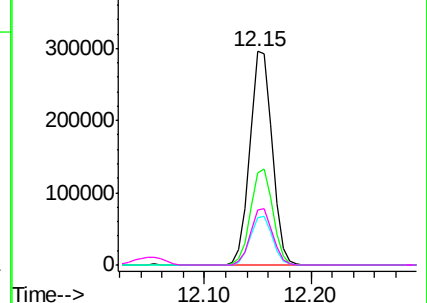
61 26.0 20.1 30.1

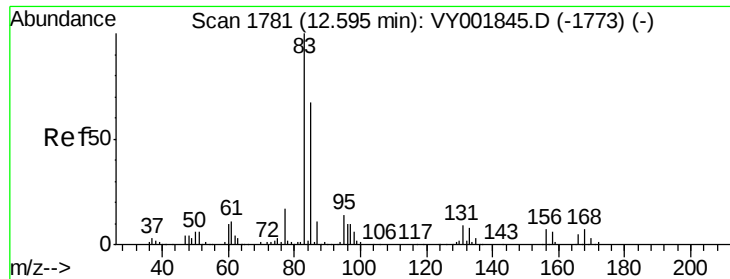
Abundance Ion 43.00 (42.70 to 43.70): VY0

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: 148.023 ug/l

RT: 12.59 min Scan# 1781

Delta R.T. 0.00 min

Lab File: VY001847.D

Acq: 04 Mar 2020 12:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 309357
Ion Ratio Lower Upper

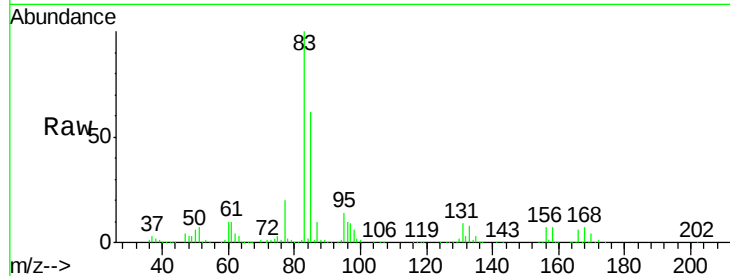
83 100

131 9.5 4.6 13.8

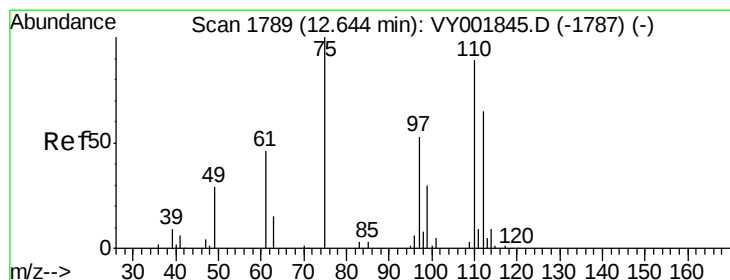
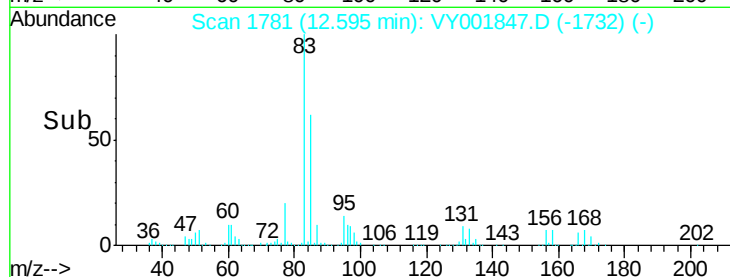
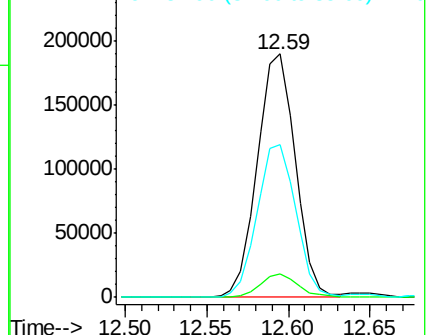
85 63.8 32.1 96.3

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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: 82.436 ug/l m

RT: 12.64 min Scan# 1789

Delta R.T. 0.00 min

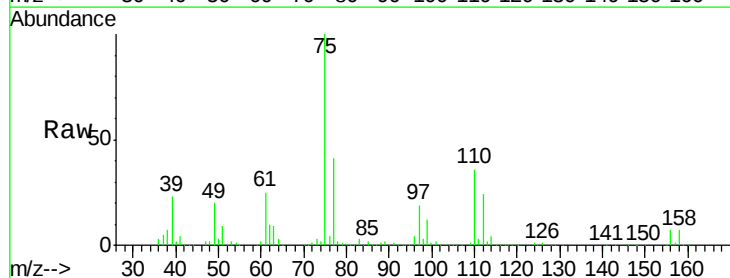
Lab File: VY001847.D

Acq: 04 Mar 2020 12:16

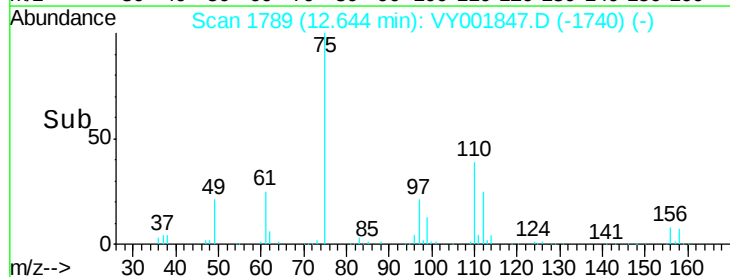
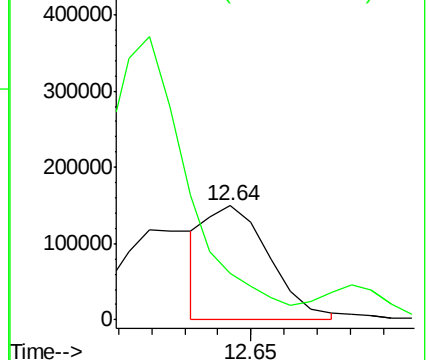
Tgt Ion: 75 Resp: 202188
Ion Ratio Lower Upper

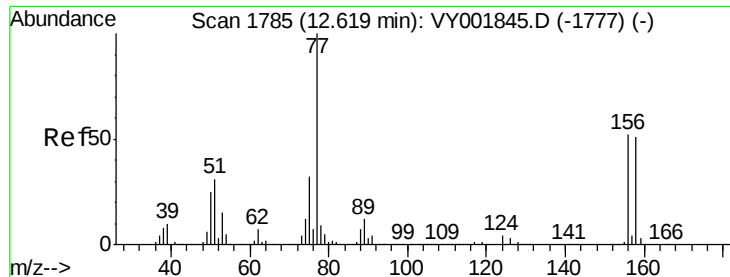
75 100

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: 145.490 ug/l

RT: 12.62 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VY001847.D

Acq: 04 Mar 2020 12:16

Instrument :

MSVOA_Y

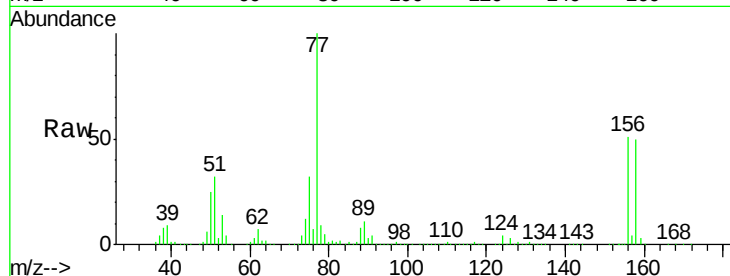
ClientSampleId :

VSTDIC150

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		299509		
77	218.3		109.0	327.0	
158	97.8		48.9	146.8	

Manual Integrations
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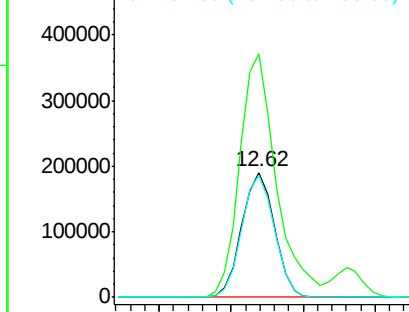
MMDadoda
3/5/2020 1:37:14 PM



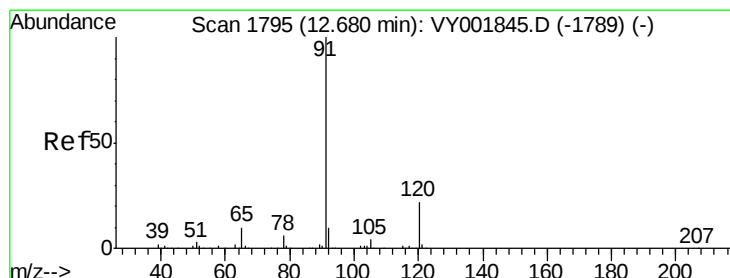
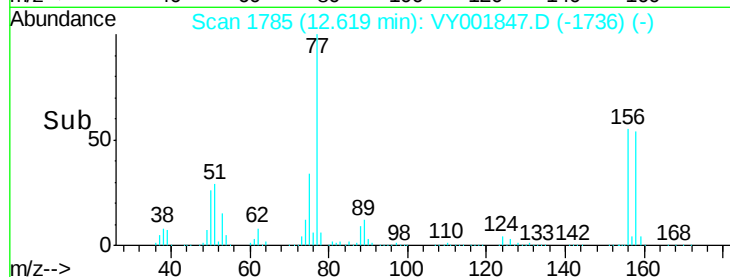
Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



Time-->



#78

n-propylbenzene

Concen: 147.831 ug/l

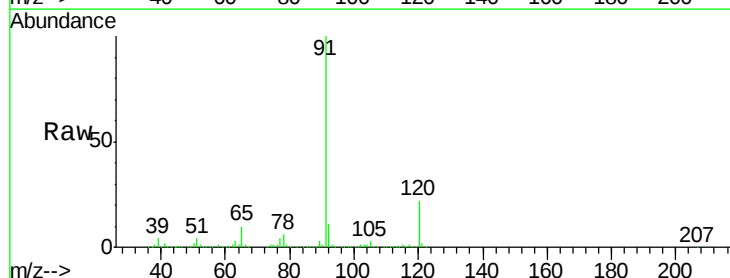
RT: 12.68 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VY001847.D

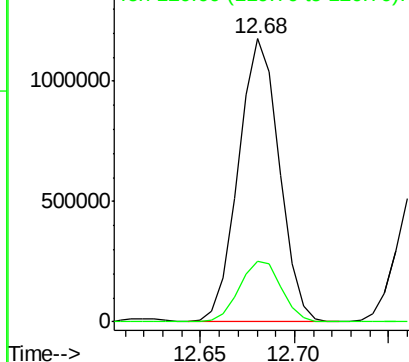
Acq: 04 Mar 2020 12:16

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		1767754		
120	22.1		11.0	33.0	

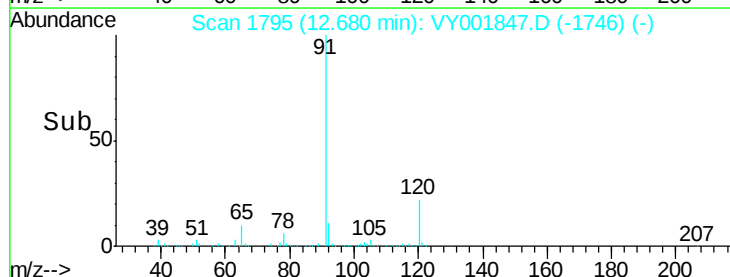


Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V



Time-->





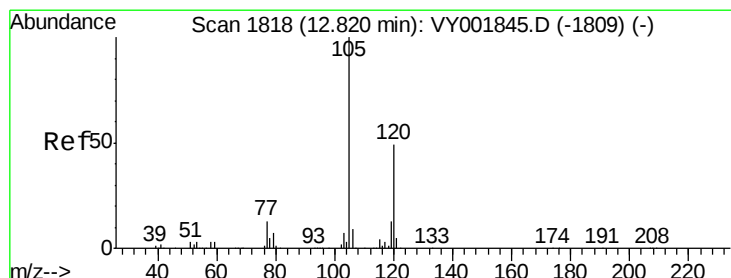
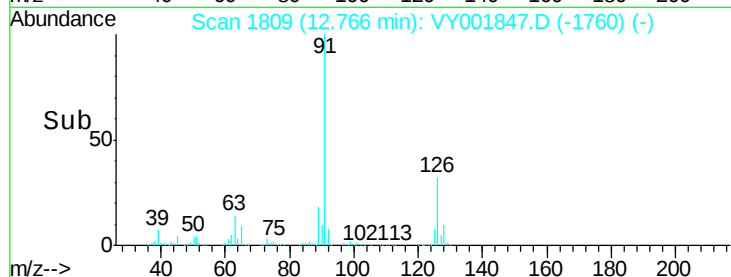
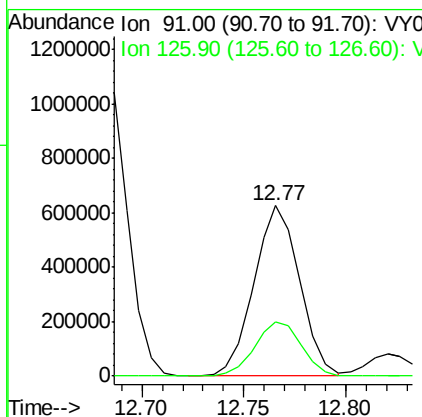
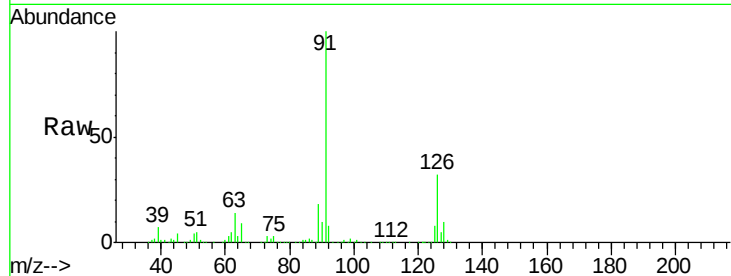
#79
2-Chlorotoluene
Concen: 147.153 ug/l
RT: 12.77 min Scan# 1809
Delta R.T. 0.00 min
Lab File: VY001847.D
Acq: 04 Mar 2020 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tot Ion: 91 Resp: 973245
Ion Ratio Lower Upper
91 100
126 32.7 16.3 48.8

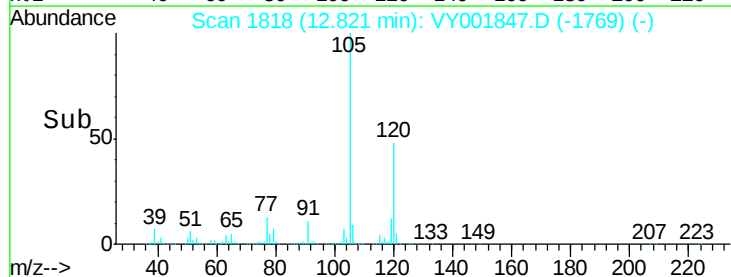
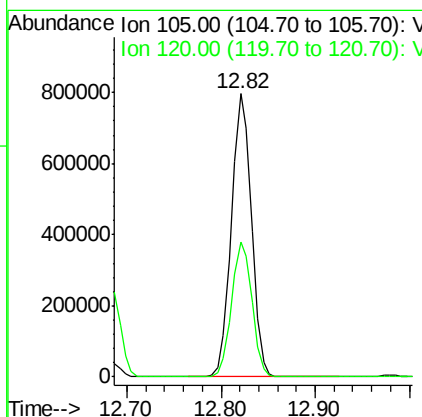
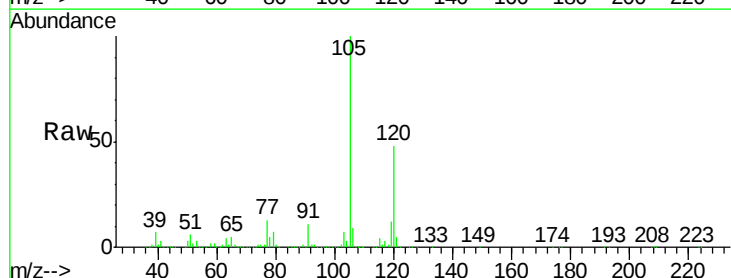
Manual Integrations
APPROVED

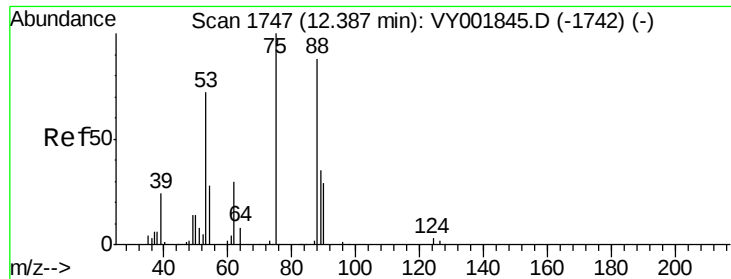
MMDadoda
3/5/2020 1:37:14 PM



#80
1,3,5-Trimethylbenzene
Concen: 147.628 ug/l
RT: 12.82 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VY001847.D
Acq: 04 Mar 2020 12:16

Tgt Ion: 105 Resp: 1172047
Ion Ratio Lower Upper
105 100
120 48.3 24.4 73.2





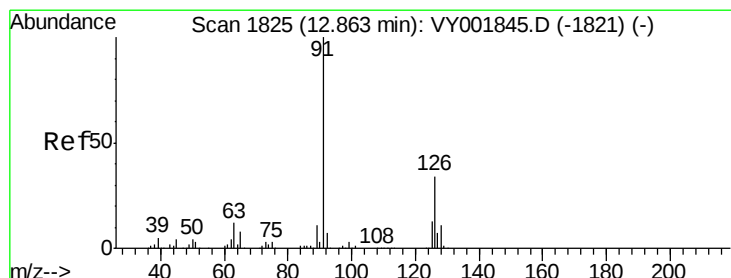
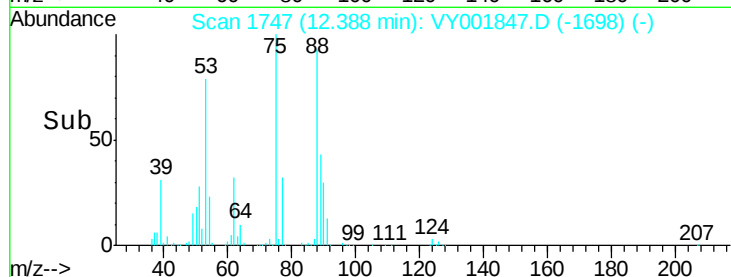
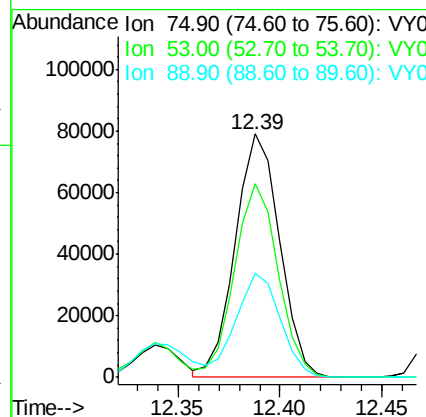
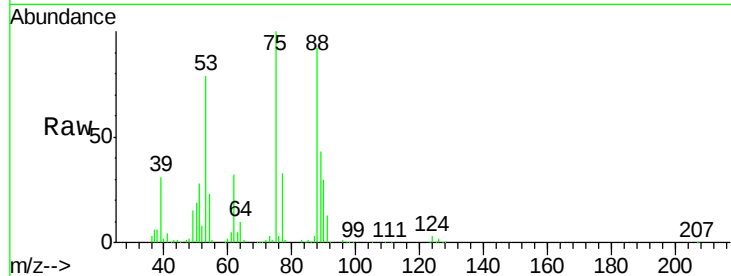
#81
trans-1,4-Dichloro-2-butene
Concen: 158.167 ug/l
RT: 12.39 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VY001847.D
Acq: 04 Mar 2020 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
75	100	118674		
53	78.6		65.4	98.0
89	43.0		36.0	54.0

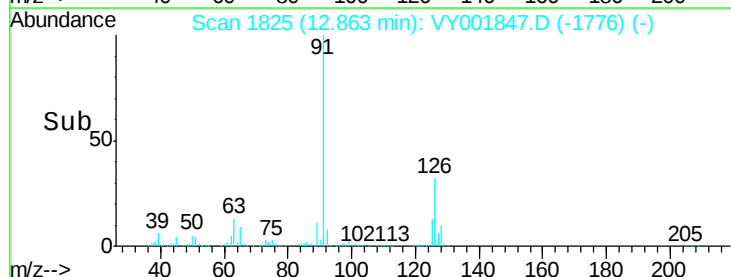
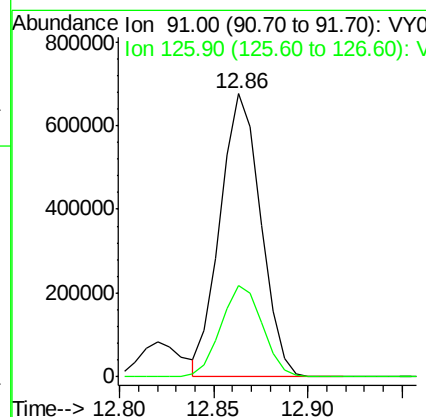
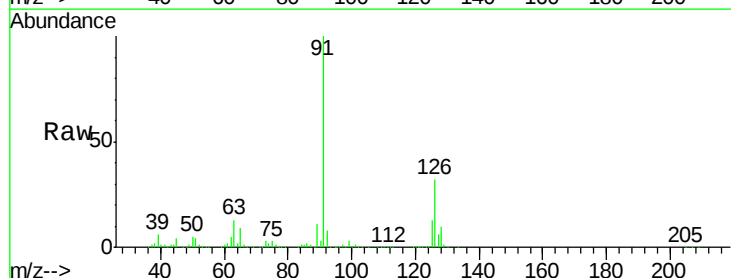
Manual Integrations
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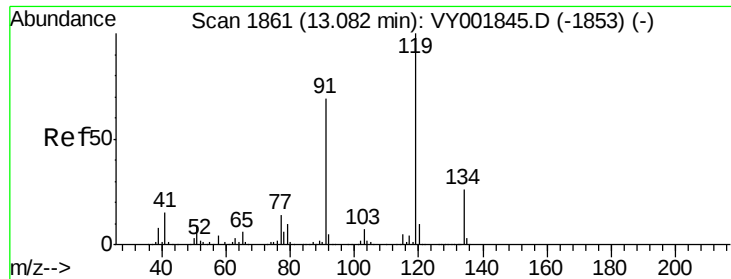
MMDadoda
3/5/2020 1:37:14 PM



#82
4-Chlorotoluene
Concen: 147.775 ug/l
RT: 12.86 min Scan# 1825
Delta R.T. 0.00 min
Lab File: VY001847.D
Acq: 04 Mar 2020 12:16

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	1012250		
126	33.0		16.4	49.2





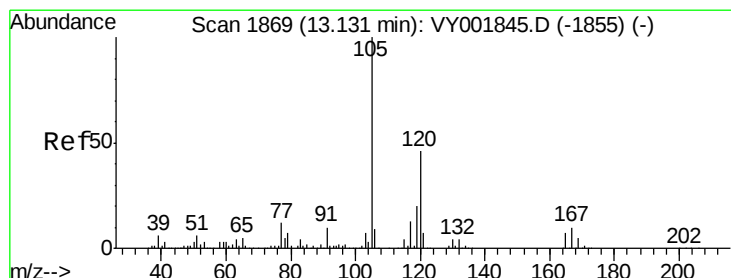
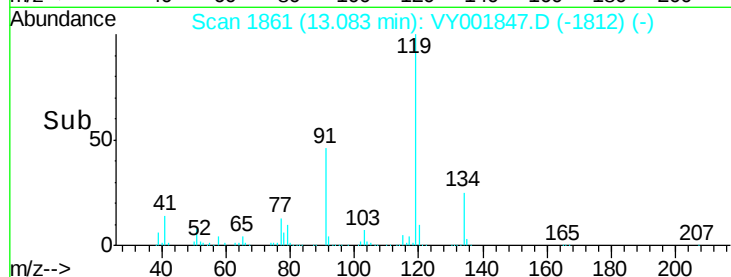
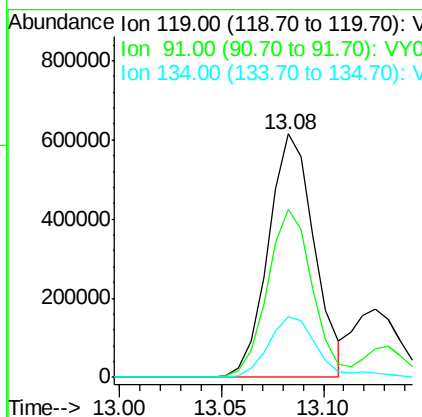
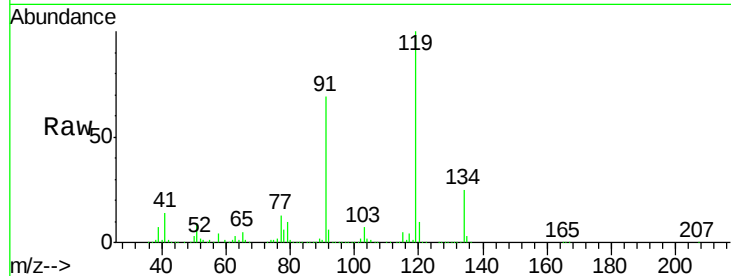
#83
 tert-Butylbenzene
 Concen: 145.694 ug/l
 RT: 13.08 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VY001847.D
 Acq: 04 Mar 2020 12:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.7	34.0	101.8
134	26.8	13.5	40.4

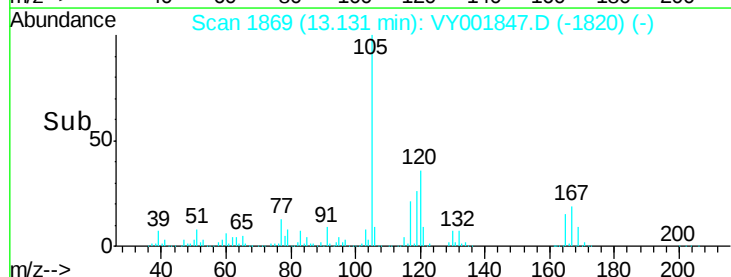
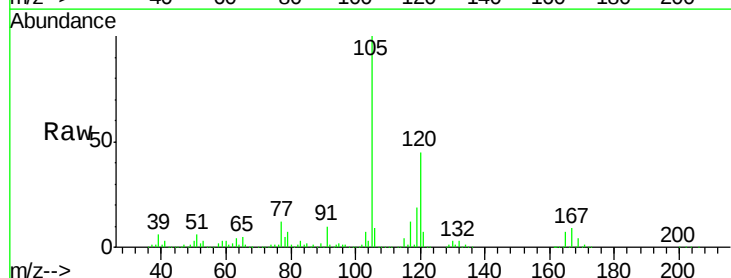
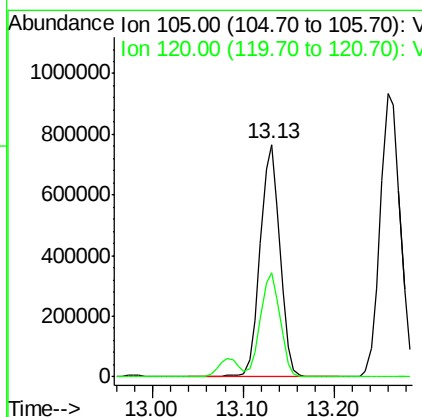
Manual Integrations
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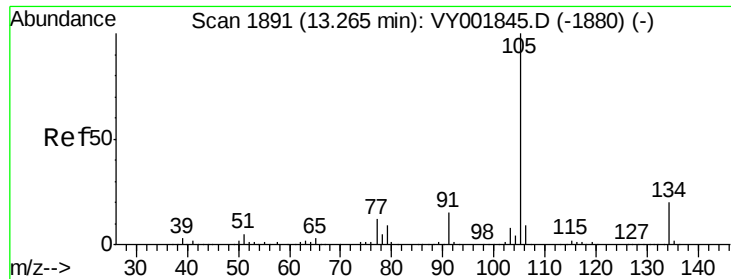
MMDadoda
 3/5/2020 1:37:14 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 144.653 ug/l
 RT: 13.13 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VY001847.D
 Acq: 04 Mar 2020 12:16

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.8	22.6	67.7





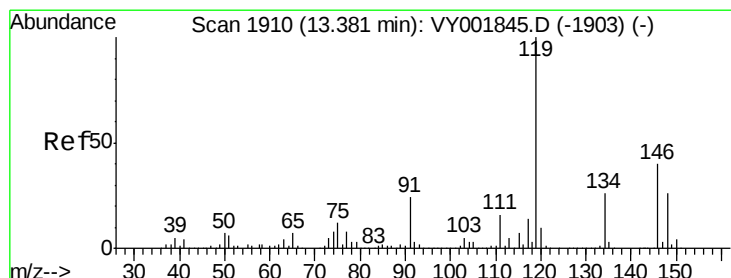
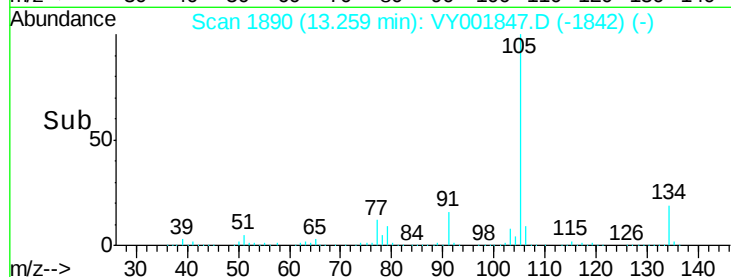
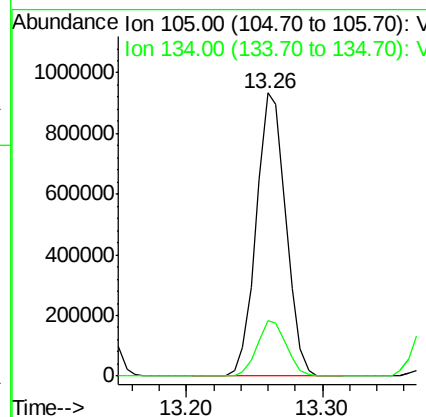
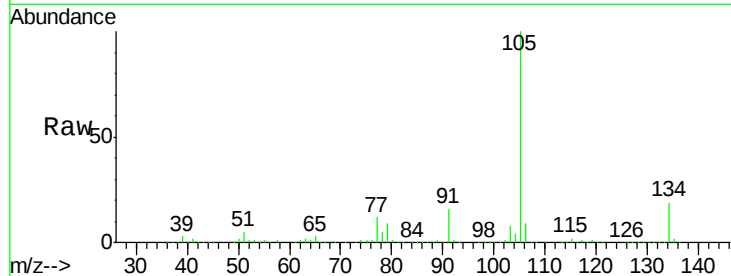
#85
 sec-Butylbenzene
 Concen: 145.715 ug/l
 RT: 13.26 min Scan# 1890
 Delta R.T. -0.01 min
 Lab File: VY001847.D
 Acq: 04 Mar 2020 12:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC150

Tot Ion:105 Resp: 1427259
 Ion Ratio Lower Upper
 105 100
 134 19.4 9.7 29.1

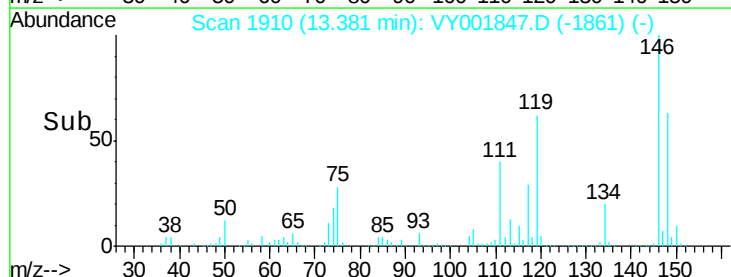
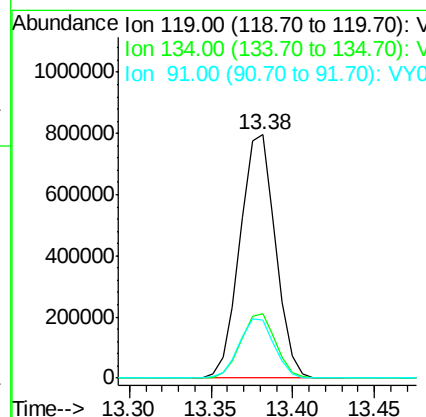
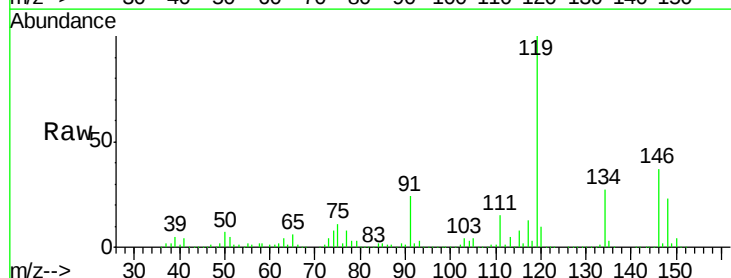
Manual Integrations
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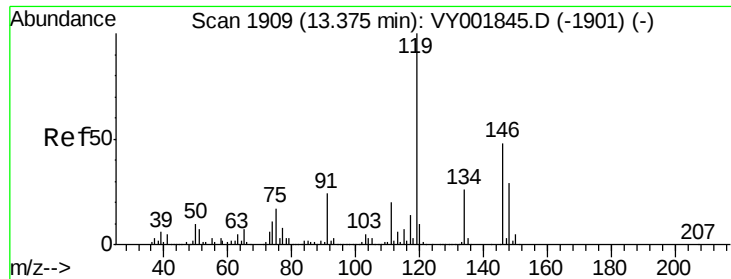
MMDadoda
 3/5/2020 1:37:14 PM



#86
 p-Isopropyltoluene
 Concen: 143.379 ug/l
 RT: 13.38 min Scan# 1910
 Delta R.T. 0.00 min
 Lab File: VY001847.D
 Acq: 04 Mar 2020 12:16

Tgt Ion:119 Resp: 1206103
 Ion Ratio Lower Upper
 119 100
 134 26.3 13.1 39.3
 91 24.1 11.9 35.7





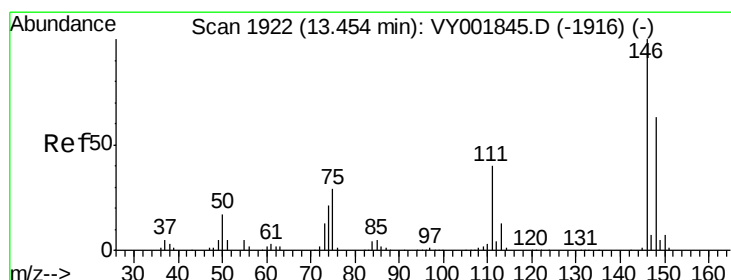
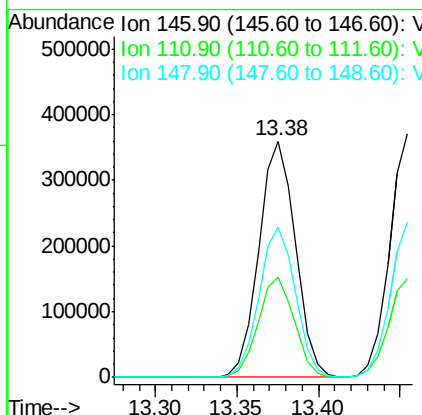
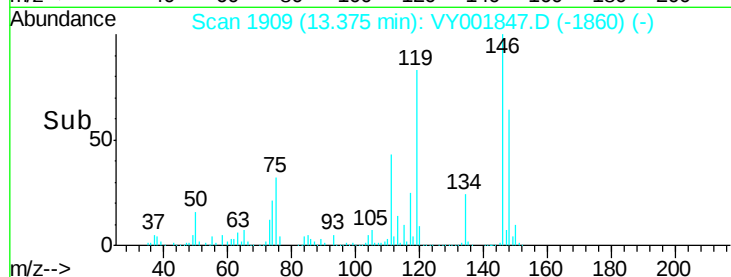
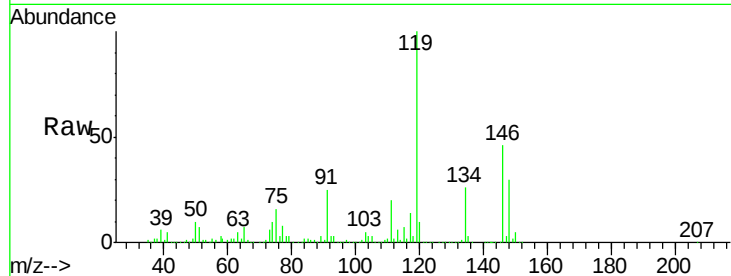
#87
 1,3-Dichlorobenzene
 Concen: 138.261 ug/l
 RT: 13.38 min Scan# 1909
 Delta R.T. 0.00 min
 Lab File: VY001847.D
 Acq: 04 Mar 2020 12:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	20.8	62.5
148	63.4	31.4	94.0

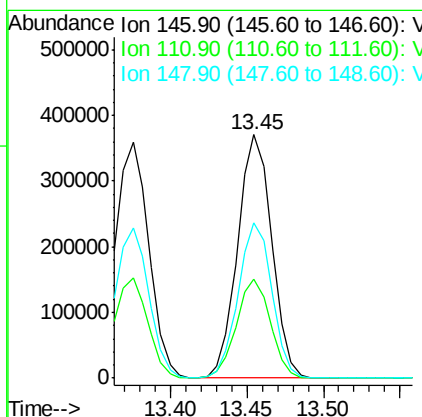
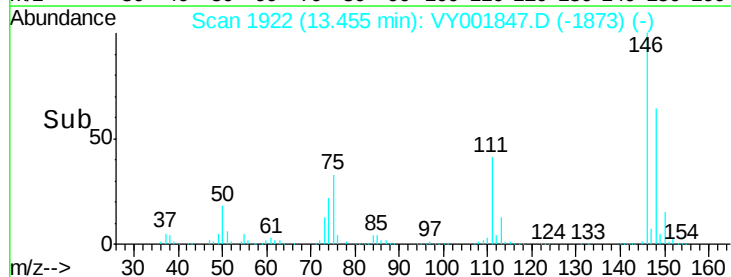
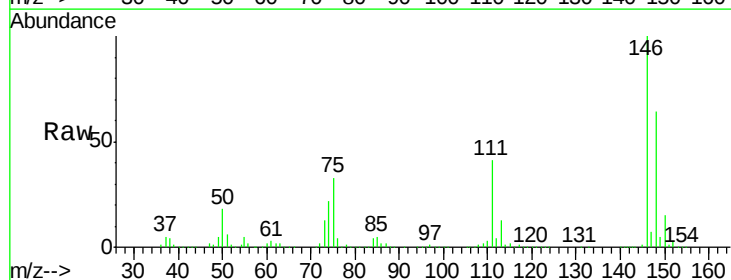
Manual Integrations
 APPROVED

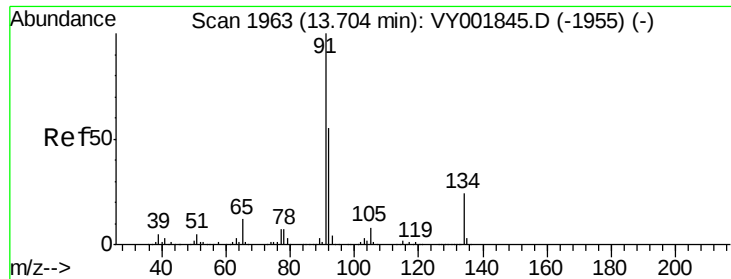
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 3/5/2020 1:37:14 PM



#88
 1,4-Dichlorobenzene
 Concen: 141.014 ug/l
 RT: 13.45 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VY001847.D
 Acq: 04 Mar 2020 12:16

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.0	60.0
148	63.3	31.5	94.5





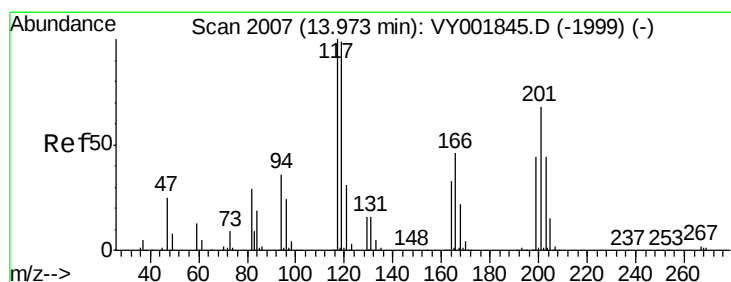
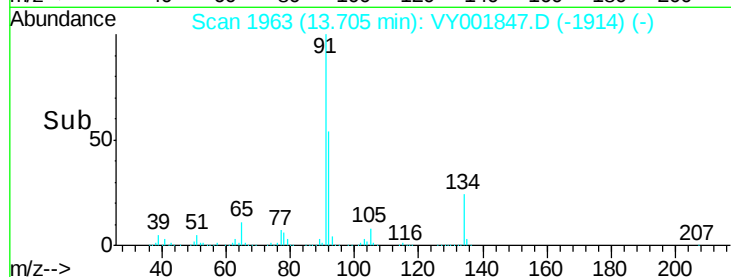
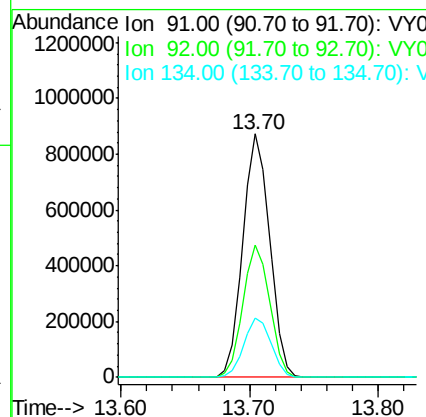
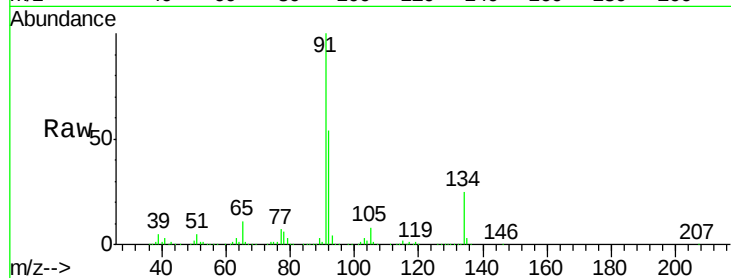
#89
n-Butylbenzene
Concen: 145.170 ug/l
RT: 13.70 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VY001847.D
Acq: 04 Mar 2020 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 1259676
Ion Ratio Lower Upper
91 100
92 54.3 27.5 82.4
134 24.7 12.5 37.5

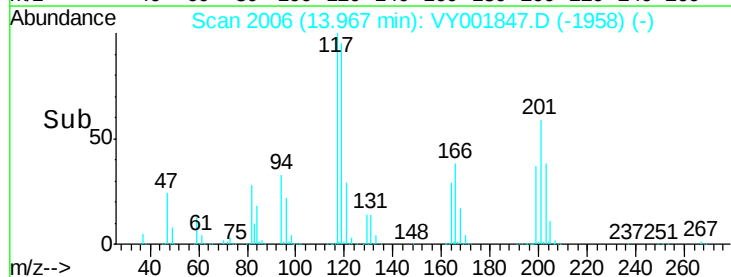
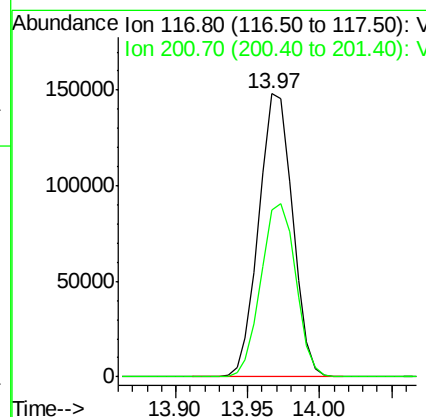
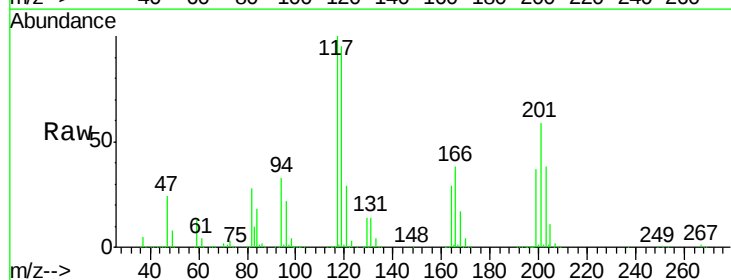
Manual Integrations
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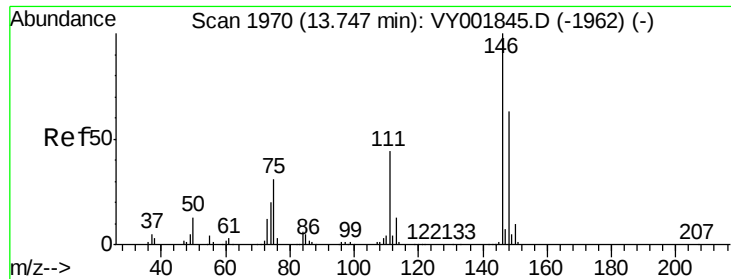
MMDadoda
3/5/2020 1:37:14 PM



#90
Hexachloroethane
Concen: 152.751 ug/l
RT: 13.97 min Scan# 2006
Delta R.T. -0.01 min
Lab File: VY001847.D
Acq: 04 Mar 2020 12:16

Tgt Ion: 117 Resp: 240742
Ion Ratio Lower Upper
117 100
201 63.1 32.5 97.5





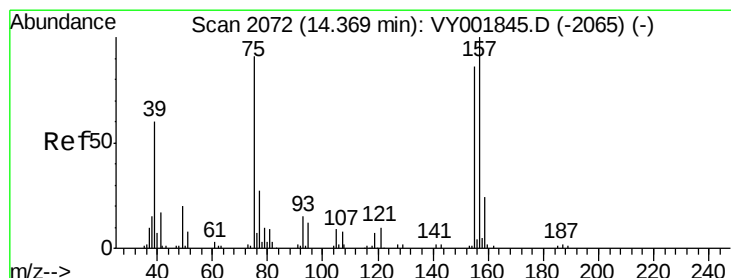
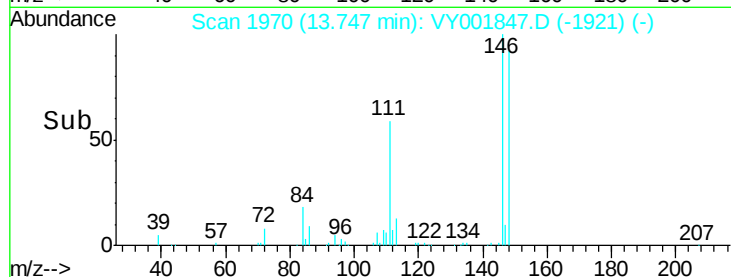
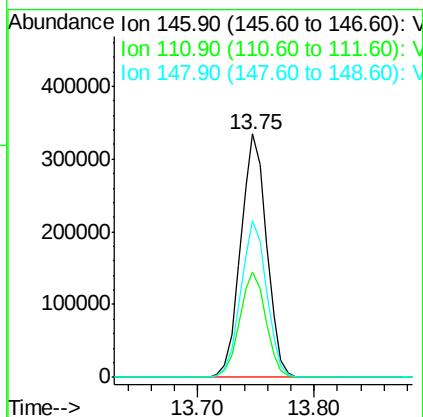
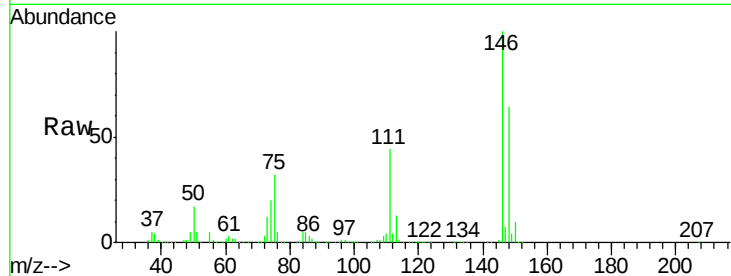
#91
 1,2-Dichlorobenzene
 Concen: 142.485 ug/l
 RT: 13.75 min Scan# 1970
 Delta R.T. 0.00 min
 Lab File: VY001847.D
 Acq: 04 Mar 2020 12:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.6	21.5	64.5
148	64.1	32.0	96.0

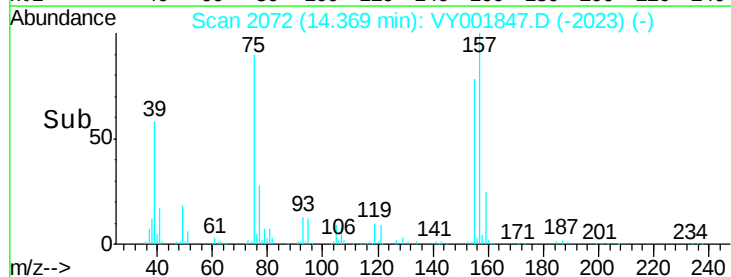
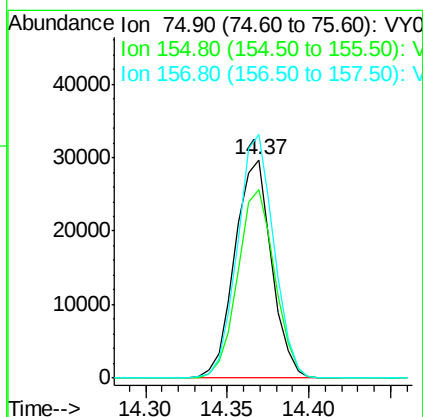
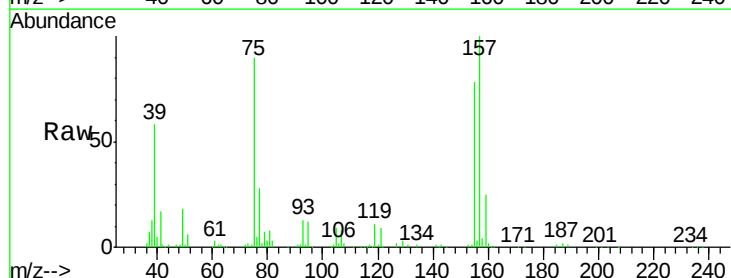
Manual Integrations
 APPROVED

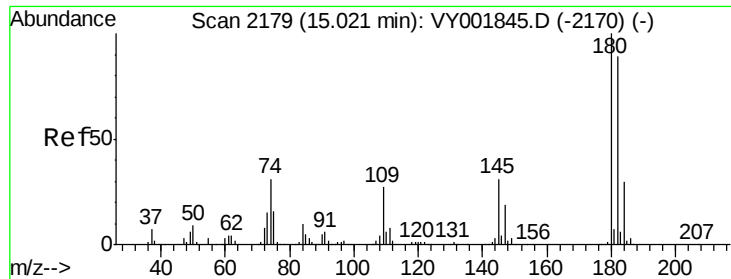
MMDadoda
 3/5/2020 1:37:14 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 143.884 ug/l
 RT: 14.37 min Scan# 2072
 Delta R.T. 0.00 min
 Lab File: VY001847.D
 Acq: 04 Mar 2020 12:16

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.8	42.9	128.7
157	110.2	53.1	159.4





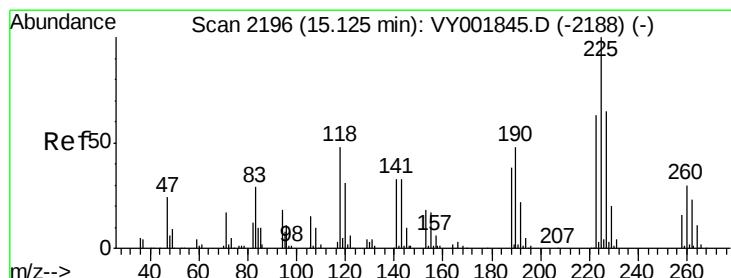
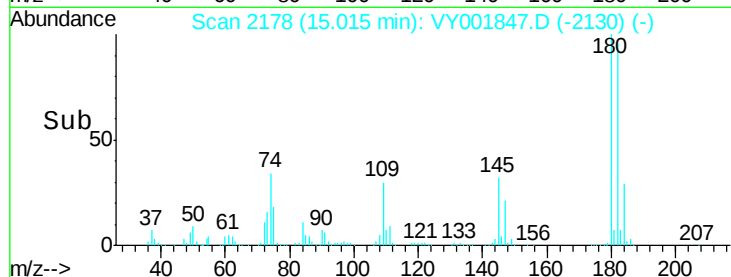
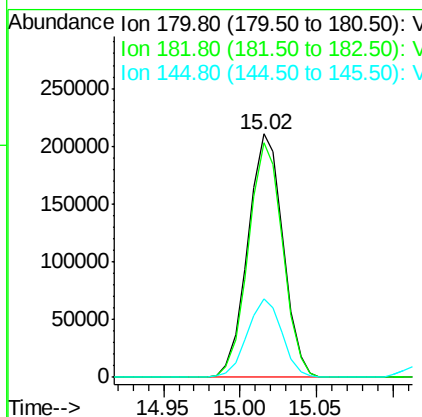
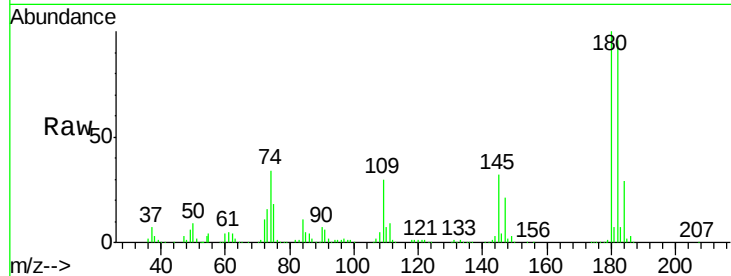
#93
1,2,4-Trichlorobenzene
Concen: 141.383 ug/l
RT: 15.02 min Scan# 2178
Delta R.T. -0.01 min
Lab File: VY001847.D
Acq: 04 Mar 2020 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
180	100	336551		
182	94.4	46.1	138.3	
145	32.0	15.6	46.8	

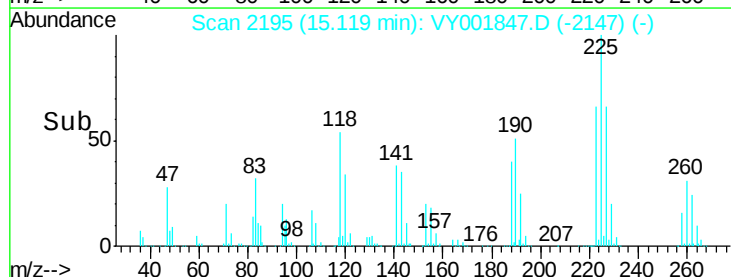
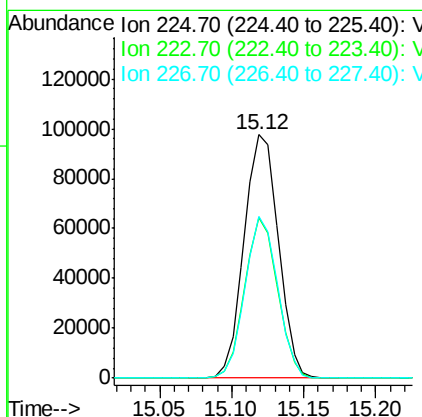
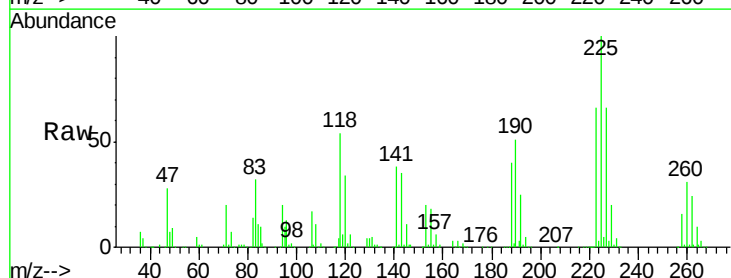
Manual Integrations
APPROVED

MMDadoda
3/5/2020 1:37:14 PM



#94
Hexachlorobutadiene
Concen: 139.044 ug/l
RT: 15.12 min Scan# 2195
Delta R.T. -0.01 min
Lab File: VY001847.D
Acq: 04 Mar 2020 12:16

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	160995		
223	63.0	31.5	94.5	
227	63.1	31.9	95.5	





#95

Naphthalene

Concen: 149.051 ug/l

RT: 15.25 min Scan# 2216

Delta R.T. 0.00 min

Lab File: VY001847.D

Acq: 04 Mar 2020 12:16

Instrument :

MSVOA_Y

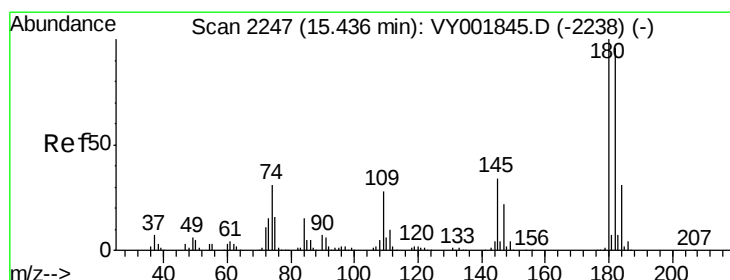
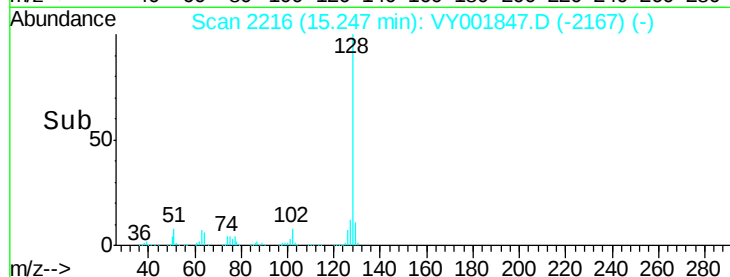
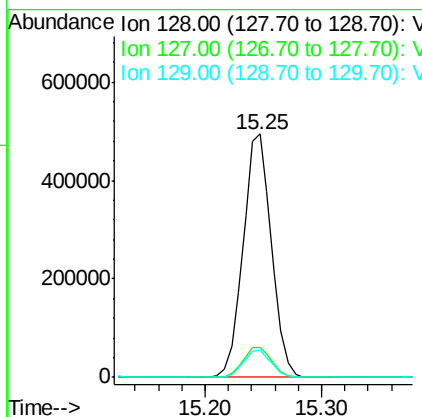
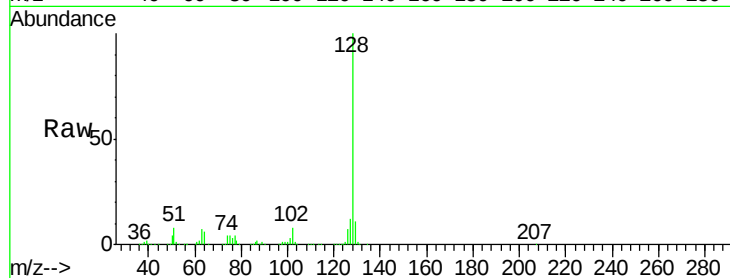
ClientSampleId :

VSTDIC150

Tot Ion:	128	Resp:	834482
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.1	15.1
129	11.0	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
3/5/2020 1:37:14 PM



#96

1,2,3-Trichlorobenzene

Concen: 141.664 ug/l

RT: 15.44 min Scan# 2247

Delta R.T. 0.00 min

Lab File: VY001847.D

Acq: 04 Mar 2020 12:16

Tgt Ion:	180	Resp:	297901
Ion Ratio	Lower	Upper	
180	100		
182	95.8	47.6	142.9
145	34.3	16.8	50.3

