

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY011020\
 Data File : VY001148.D
 Acq On : 10 Jan 2020 15:02
 Operator : SY/MD
 Sample : VSTDICCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

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 1/13/2020 12:38:57 PM

Quant Time: Jan 10 15:40:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y011020S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 10 15:28:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	225968	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	392193	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	345839	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	164503	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	122393	61.90	ug/l	0.00
Spiked Amount 50.000			Recovery	=	123.80%	
35) Dibromofluoromethane	7.72	113	112622	50.39	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.78%	
50) Toluene-d8	10.18	98	462779	55.54	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.08%	
62) 4-Bromofluorobenzene	12.48	95	179322	55.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.90%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.90	85	84472	51.567	ug/l	100
3) Chloromethane	2.12	50	117034	85.783	ug/l	100
4) Vinyl Chloride	2.25	62	125194	89.465	ug/l	100
5) Bromomethane	2.65	94	69555	73.820	ug/l	100
6) Chloroethane	2.80	64	71943	78.610	ug/l	100
7) Trichlorofluoromethane	3.13	101	167693	51.870	ug/l	100
8) Diethyl Ether	3.53	74	66854	56.367	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.90	101	110338	54.118	ug/l	100
10) Methyl Iodide	4.10	142	152607	49.357	ug/l	100
11) Tert butyl alcohol	4.96	59	52831	275.453	ug/l	100
12) 1,1-Dichloroethene	3.88	96	111763	53.359	ug/l	100
13) Acrolein	3.74	56	51229	284.381	ug/l	100
14) Allyl chloride	4.49	41	190087	77.286	ug/l	100
15) Acrylonitrile	5.18	53	162515	313.140	ug/l	100
16) Acetone	3.95	43	128995	330.675	ug/l	100
17) Carbon Disulfide	4.19	76	367611	58.164	ug/l	100
18) Methyl Acetate	4.49	43	84519	69.678	ug/l	100
19) Methyl tert-butyl Ether	5.23	73	312748	60.056	ug/l	100
20) Methylene Chloride	4.72	84	126099	51.263	ug/l	100
21) trans-1,2-Dichloroethene	5.22	96	128666	54.938	ug/l	100
22) Diisopropyl ether	6.13	45	390649	77.306	ug/l	100
23) Vinyl Acetate	6.07	43	1262908	395.192	ug/l	100
24) 1,1-Dichloroethane	6.03	63	212745	64.380	ug/l	100
25) 2-Butanone	7.00	43	208233	326.709	ug/l	100
26) 2,2-Dichloropropane	6.99	77	190760	54.268	ug/l	100
27) cis-1,2-Dichloroethene	7.00	96	141687	51.342	ug/l	100
28) Bromochloromethane	7.35	49	96072	73.811	ug/l	100
29) Tetrahydrofuran	7.36	42	143305	332.454	ug/l	100
30) Chloroform	7.52	83	210041	52.904	ug/l	100
31) Cyclohexane	7.79	56	218021	56.664	ug/l	100
32) 1,1,1-Trichloroethane	7.71	97	186229	50.890	ug/l	100
36) 1,1-Dichloropropene	7.93	75	174919	51.065	ug/l	100
37) Ethyl Acetate	7.08	43	99938	65.864	ug/l	100
38) Carbon Tetrachloride	7.91	117	161379	46.281	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	237382	50.170	ug/l	100
40) Benzene	8.17	78	509921	48.744	ug/l	100
41) Methacrylonitrile	7.32	41	48284m	64.196	ug/l	
42) 1,2-Dichloroethane	8.24	62	143439	55.845	ug/l	100
43) Isopropyl Acetate	8.28	43	195055	65.067	ug/l	100
44) Trichloroethene	8.94	130	135080	43.937	ug/l	100
45) 1,2-Dichloropropane	9.22	63	125344	52.880	ug/l	100
46) Dibromomethane	9.31	93	69162	49.897	ug/l	100
47) Bromodichloromethane	9.50	83	167554	53.084	ug/l	100
48) Methyl methacrylate	9.30	41	90589	69.354	ug/l	100
49) 1,4-Dioxane	9.30	88	17945	874.633	ug/l	100
51) 4-Methyl-2-Pentanone	10.07	43	493715	341.708	ug/l	100
52) Toluene	10.24	92	328691	50.899	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	189947	56.918	ug/l	100
54) cis-1,3-Dichloropropene	9.93	75	213106	54.386	ug/l	100
55) 1,1,2-Trichloroethane	10.64	97	102089	51.323	ug/l	100
56) Ethyl methacrylate	10.51	69	156948	59.543	ug/l	100
57) 1,3-Dichloropropane	10.79	76	176945	56.277	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	249661	263.659	ug/l	100
59) 2-Hexanone	10.83	43	351502	363.627	ug/l	100
60) Dibromochloromethane	10.98	129	119191	52.535	ug/l	100
61) 1,2-Dibromoethane	11.09	107	99945	51.872	ug/l	100
64) Tetrachloroethene	10.72	164	111040	36.296	ug/l	100
65) Chlorobenzene	11.52	112	341337	47.008	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	119034	46.648	ug/l	100
67) Ethyl Benzene	11.59	91	628301	49.357	ug/l	100
68) m/p-Xylenes	11.70	106	480938	95.738	ug/l	100
69) o-Xylene	12.03	106	226967	47.596	ug/l	100
70) Styrene	12.04	104	401834	49.583	ug/l	100
71) Bromoform	12.20	173	73985	48.495	ug/l	100
73) Isopropylbenzene	12.33	105	611457	49.520	ug/l	100
74) N-amyl acetate	12.14	43	192760	74.222	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.58	83	126963	56.179	ug/l	100
76) 1,2,3-Trichloropropane	12.63	75	81847m	48.211	ug/l	
77) Bromobenzene	12.61	156	135027	45.610	ug/l	100
78) n-propylbenzene	12.67	91	739951	50.473	ug/l	100
79) 2-Chlorotoluene	12.75	91	422214	51.625	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	519502	49.567	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	50920	58.582	ug/l #	100
82) 4-Chlorotoluene	12.85	91	454064	53.527	ug/l	100
83) tert-Butylbenzene	13.07	119	431741	48.676	ug/l	100
84) 1,2,4-Trimethylbenzene	13.11	105	511212	48.709	ug/l	100
85) sec-Butylbenzene	13.25	105	622751	49.919	ug/l	100
86) p-Isopropyltoluene	13.36	119	543515	48.535	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	255285	45.995	ug/l	100
88) 1,4-Dichlorobenzene	13.44	146	261046	46.626	ug/l	100
89) n-Butylbenzene	13.69	91	550007	51.604	ug/l	100
90) Hexachloroethane	13.95	117	106360	50.800	ug/l	100
91) 1,2-Dichlorobenzene	13.74	146	237640	46.611	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.35	75	22944	56.564	ug/l	100

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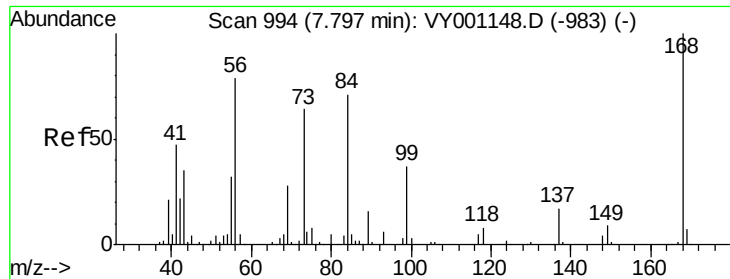
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	155762	44.601	ug/l	100
94) Hexachlorobutadiene	15.11	225	79400	44.957	ug/l	100
95) Naphthalene	15.23	128	362813	45.179	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	135900	43.651	ug/l	100

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



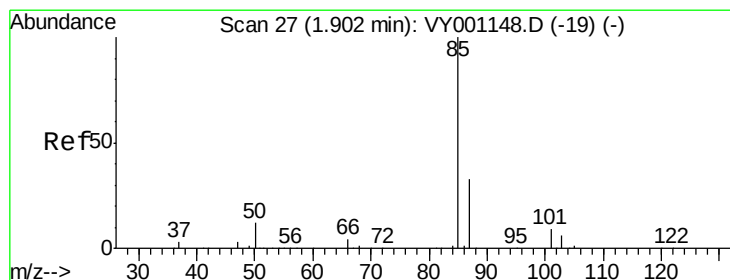
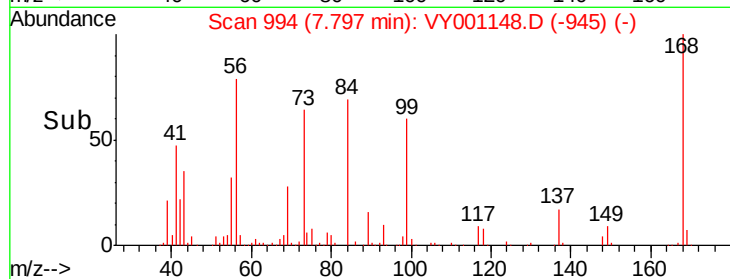
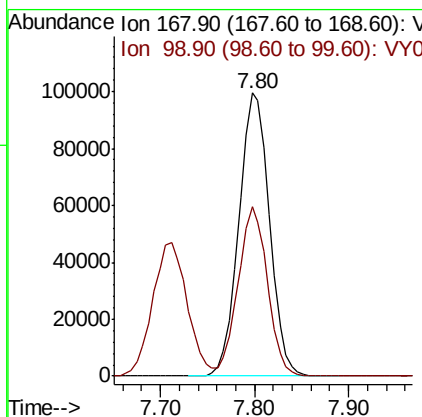
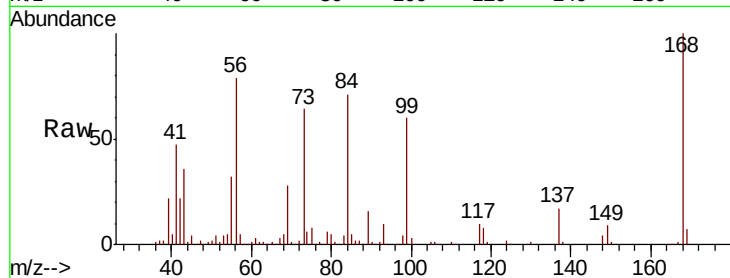
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.80 min Scan# 994
Delta R.T. 0.00 min
Lab File: VY001148.D
Acq: 10 Jan 2020 15:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion:168 Resp: 225968
Ion Ratio Lower Upper
168 100
99 59.9 47.9 71.9

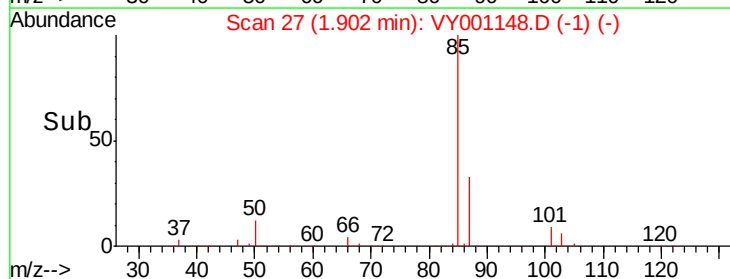
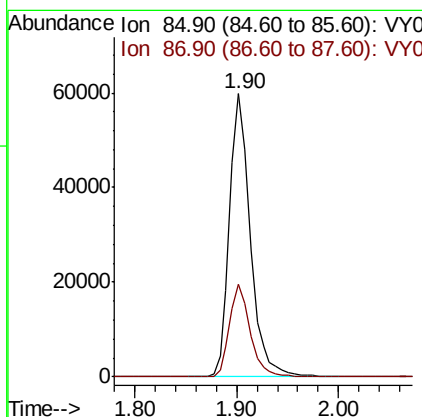
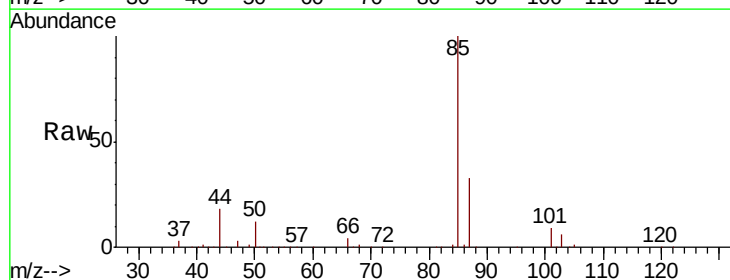
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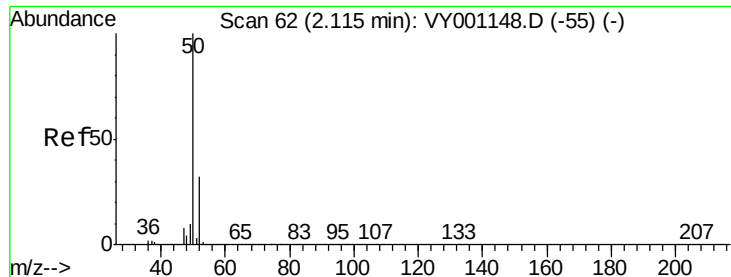
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#2
Dichlorodifluoromethane
Concen: 51.567 ug/l
RT: 1.90 min Scan# 27
Delta R.T. 0.00 min
Lab File: VY001148.D
Acq: 10 Jan 2020 15:02

Tgt Ion: 85 Resp: 84472
Ion Ratio Lower Upper
85 100
87 32.8 16.4 49.2





#3

Chloromethane

Concen: 85.783 ug/l

RT: 2.12 min Scan# 62

Delta R.T. 0.00 min

Lab File: VY001148.D

Acq: 10 Jan 2020 15:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 117034

Ion Ratio Lower Upper

50 100

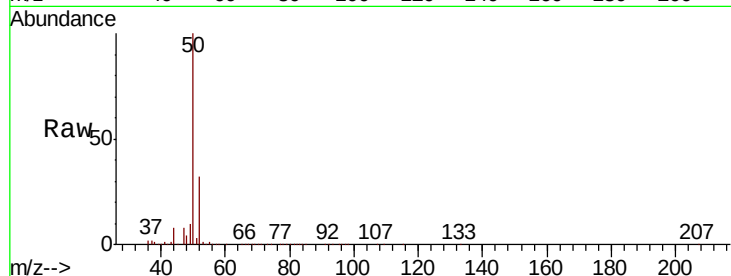
52 32.2 25.8 38.6

Manual Integrations

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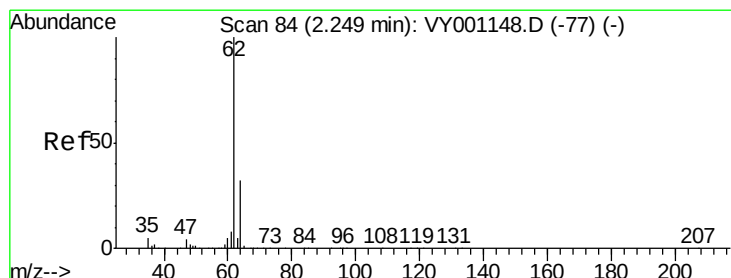
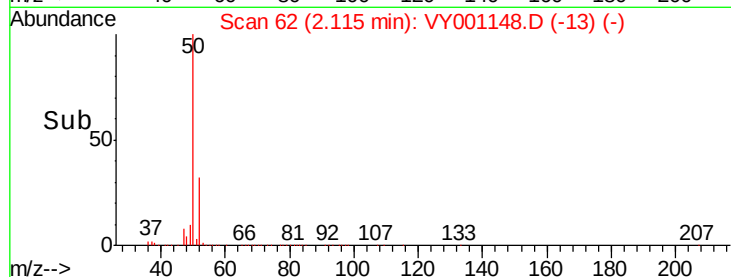
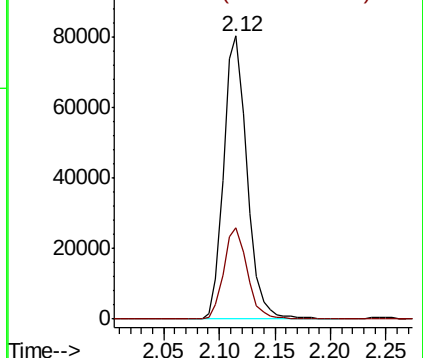
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Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 89.465 ug/l

RT: 2.25 min Scan# 84

Delta R.T. 0.00 min

Lab File: VY001148.D

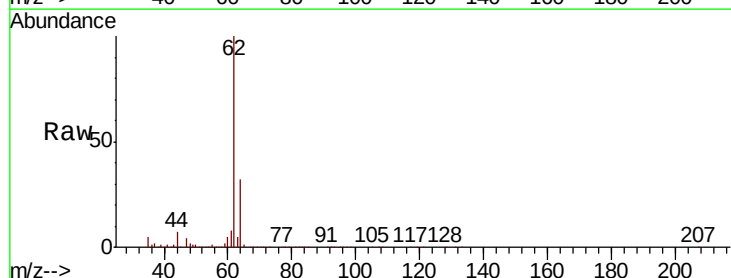
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Tgt Ion: 62 Resp: 125194

Ion Ratio Lower Upper

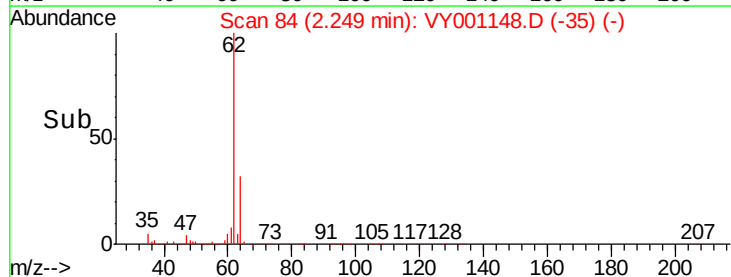
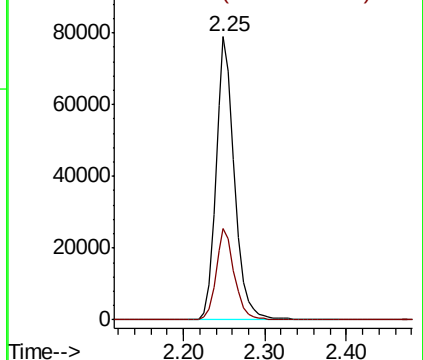
62 100

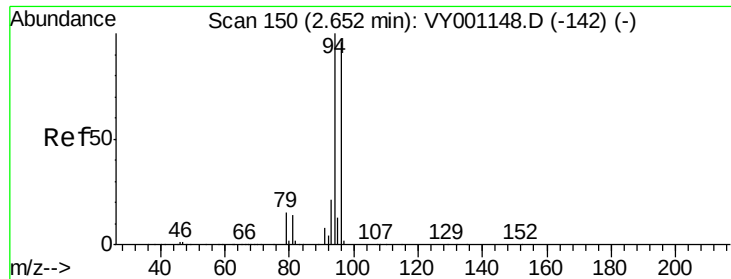
64 32.3 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 73.820 ug/l

RT: 2.65 min Scan# 150

Delta R.T. 0.00 min

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ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 69555

Ion Ratio Lower Upper

94 100

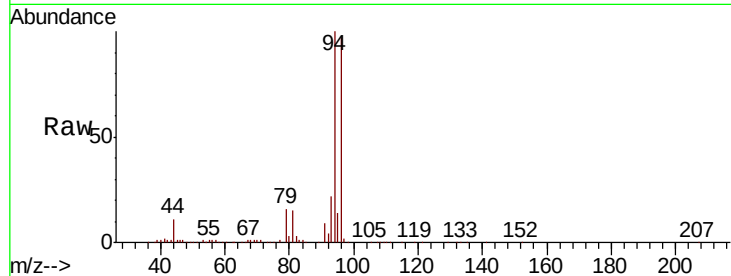
96 96.6 77.3 115.9

Manual Integrations

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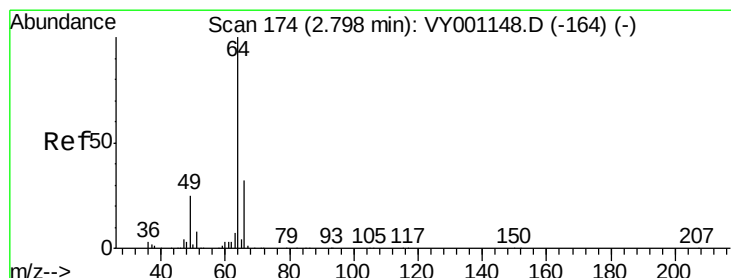
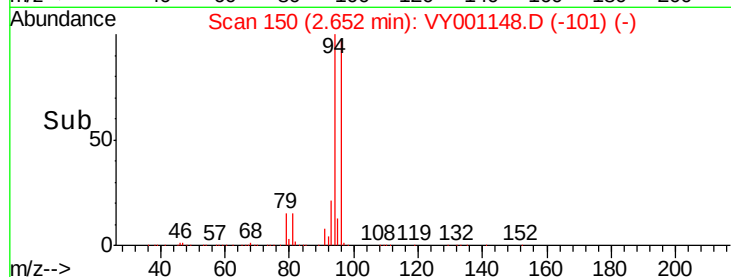
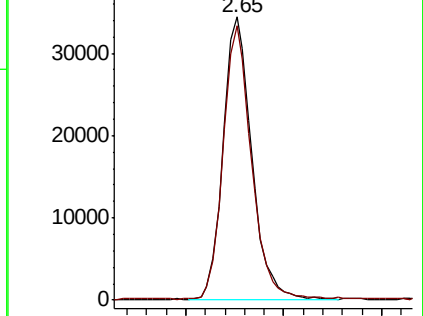
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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 78.610 ug/l

RT: 2.80 min Scan# 174

Delta R.T. 0.00 min

Lab File: VY001148.D

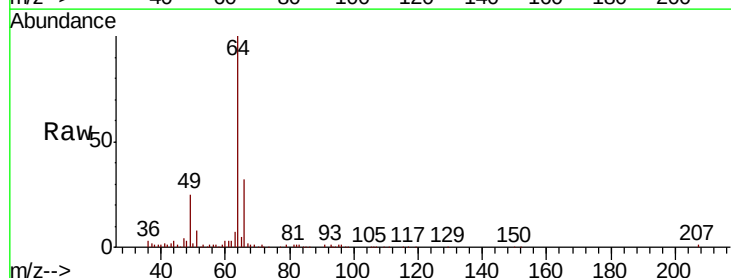
Acq: 10 Jan 2020 15:02

Tgt Ion: 64 Resp: 71943

Ion Ratio Lower Upper

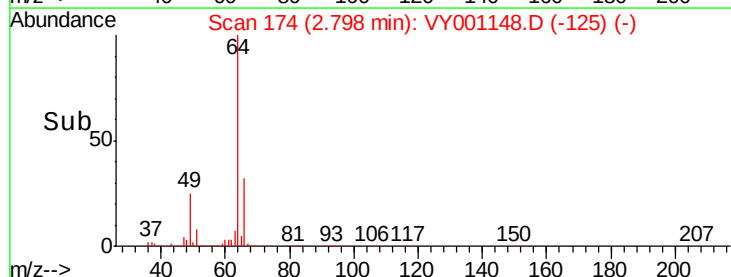
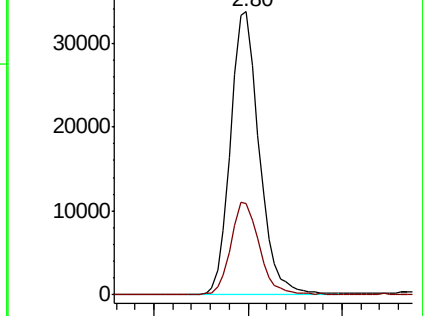
64 100

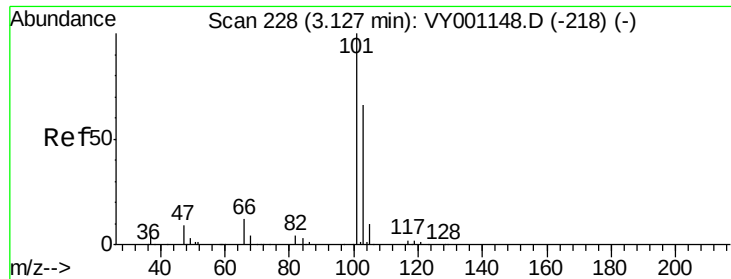
66 31.9 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

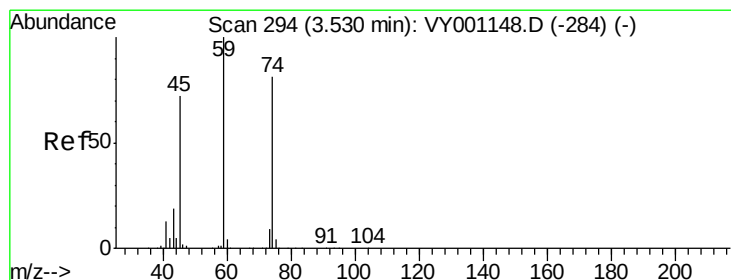
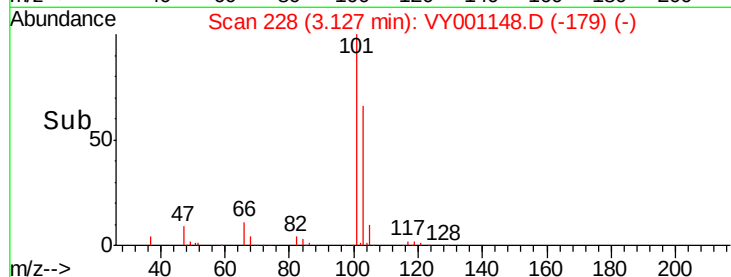
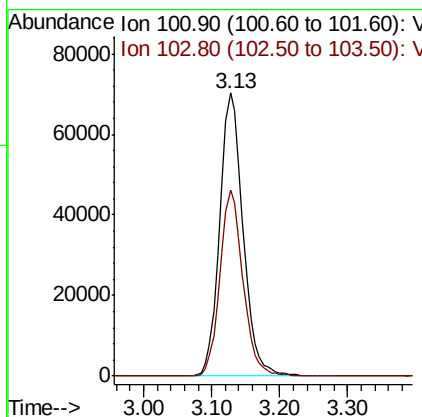
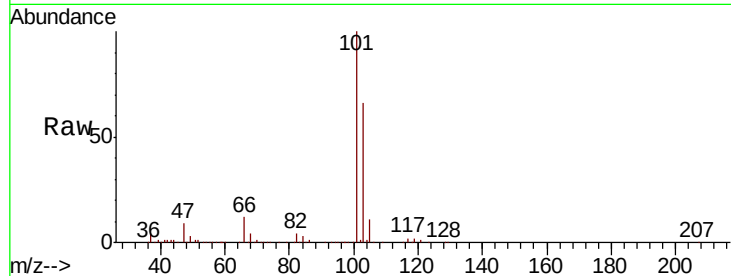
Trichlorofluoromethane
Concen: 51.870 ug/l
RT: 3.13 min Scan# 228
Delta R.T. 0.00 min
Lab File: VY001148.D
Acq: 10 Jan 2020 15:02

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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.8	52.6	79.0

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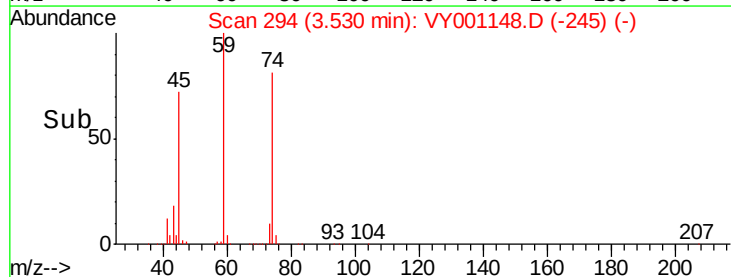
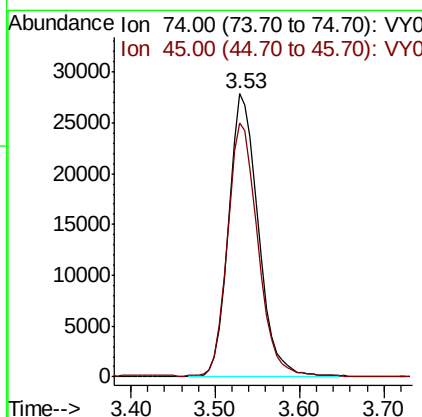
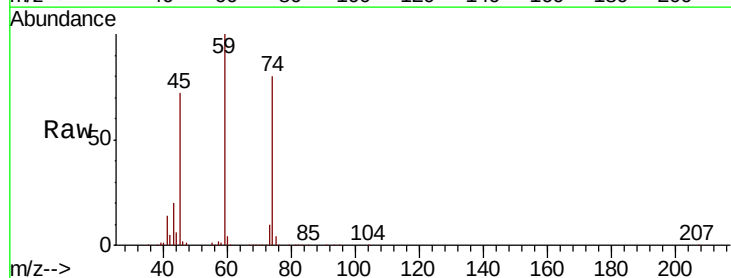
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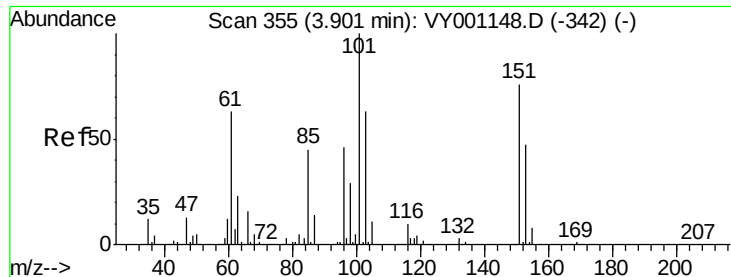


#8

Diethyl Ether
Concen: 56.367 ug/l
RT: 3.53 min Scan# 294
Delta R.T. 0.00 min
Lab File: VY001148.D
Acq: 10 Jan 2020 15:02

Tgt Ion	Ratio	Lower	Upper
74	100		
45	91.0	45.5	136.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.118 ug/l

RT: 3.90 min Scan# 355

Delta R.T. 0.00 min

Lab File: VY001148.D

Acq: 10 Jan 2020 15:02

Instrument :

MSVOA_Y

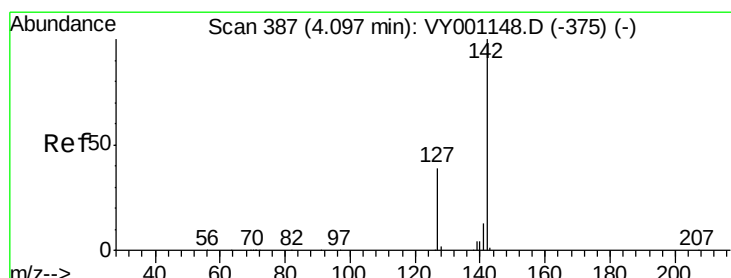
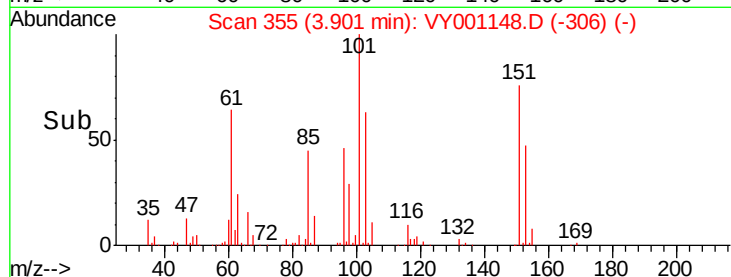
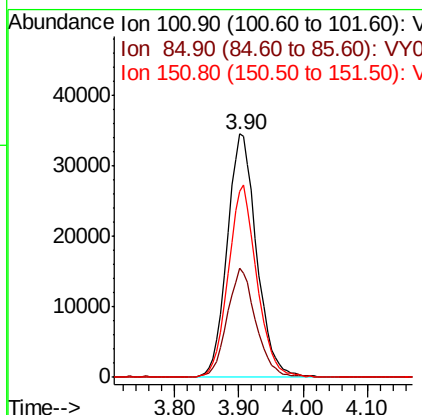
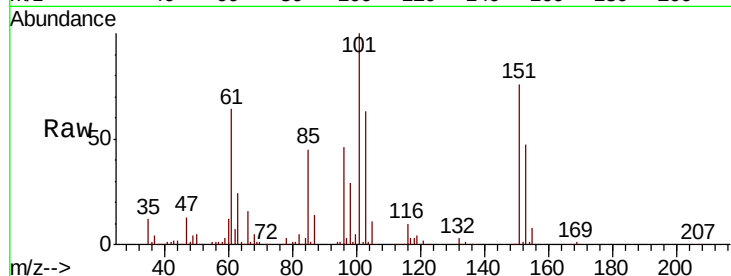
ClientSampleId :

VSTDICCC050

Tot Ion:	101	Resp:	110338
Ion Ratio	Lower	Upper	
101	100		
85	44.0	35.2	52.8
151	76.8	61.4	92.2

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#10

Methyl Iodide

Concen: 49.357 ug/l

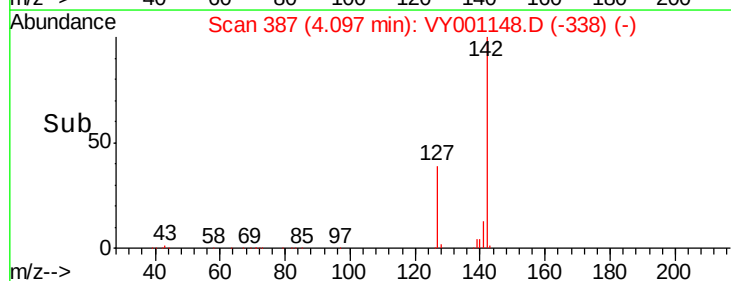
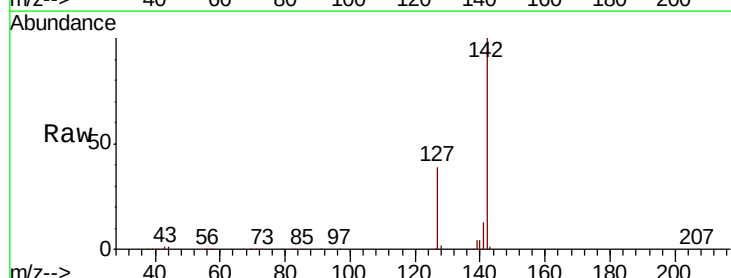
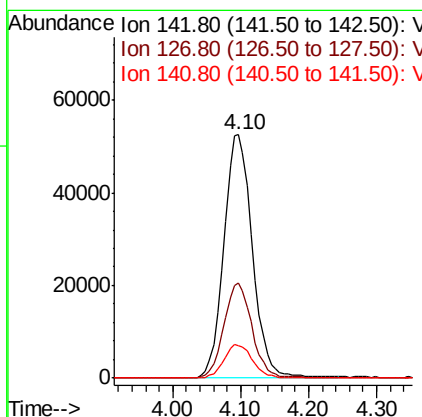
RT: 4.10 min Scan# 387

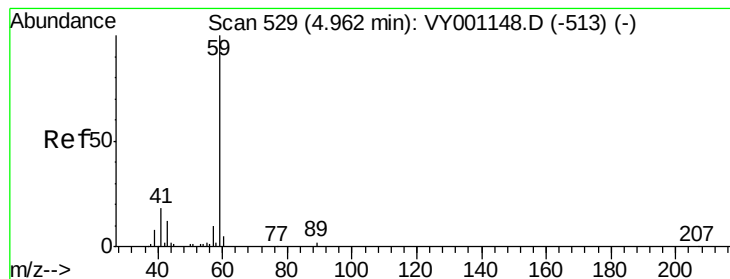
Delta R.T. 0.00 min

Lab File: VY001148.D

Acq: 10 Jan 2020 15:02

Tgt Ion:	142	Resp:	152607
Ion Ratio	Lower	Upper	
142	100		
127	38.5	30.8	46.2
141	13.7	11.0	16.4





#11

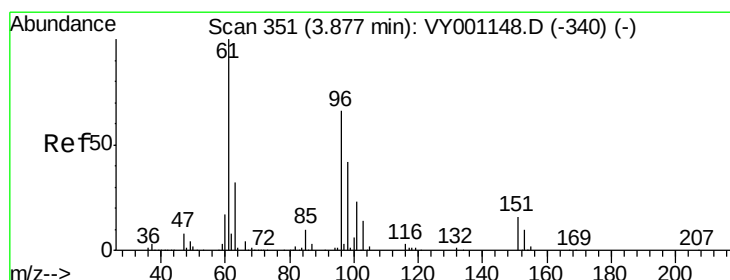
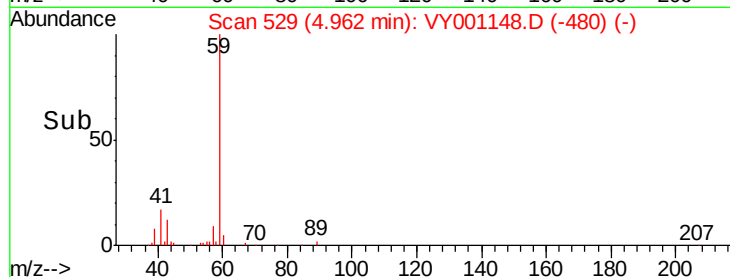
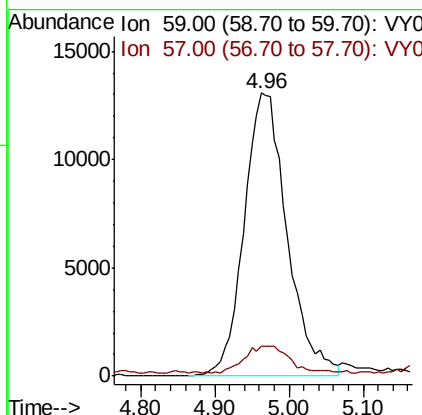
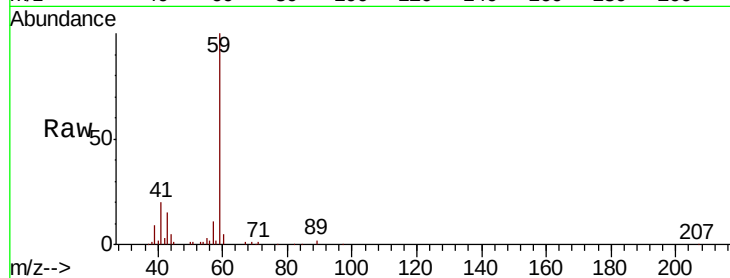
Tert butyl alcohol
Concen: 275.453 ug/l
RT: 4.96 min Scan# 529
Delta R.T. 0.00 min
Lab File: VY001148.D
Acq: 10 Jan 2020 15:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.8	7.8	11.8

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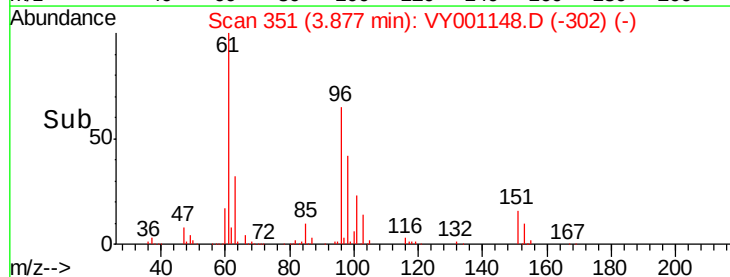
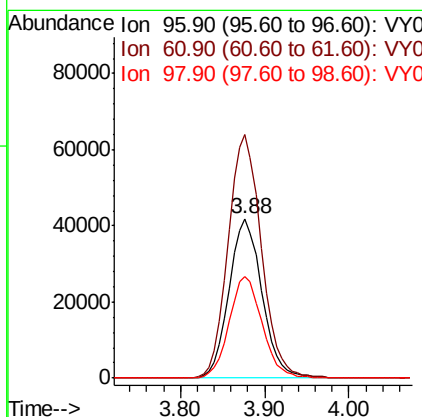
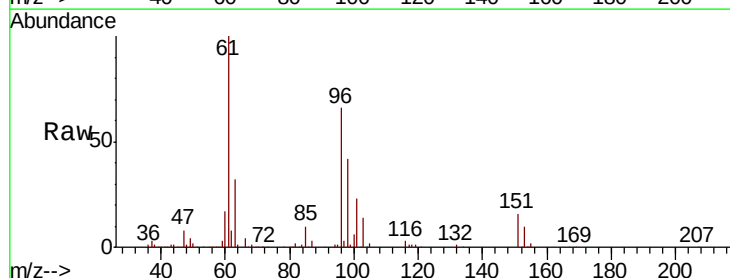
MMDadoda
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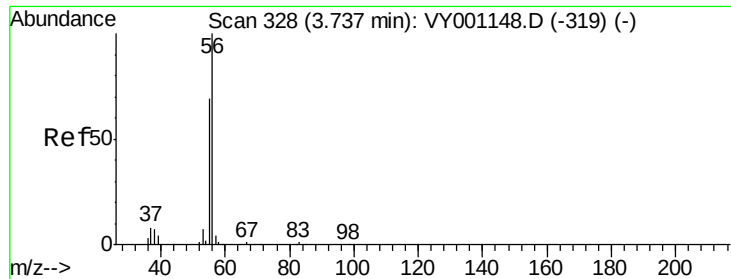


#12

1,1-Dichloroethene
Concen: 53.359 ug/l
RT: 3.88 min Scan# 351
Delta R.T. 0.00 min
Lab File: VY001148.D
Acq: 10 Jan 2020 15:02

Tgt Ion	Ratio	Lower	Upper
96	100		
61	152.6	122.1	183.1
98	63.8	51.0	76.6





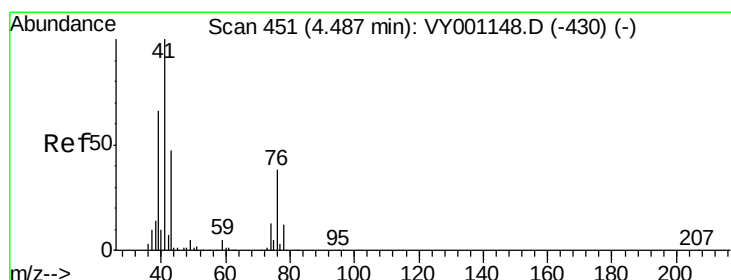
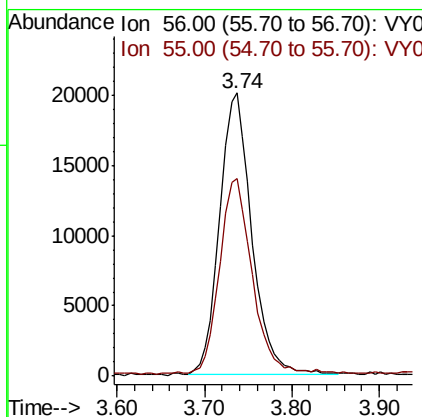
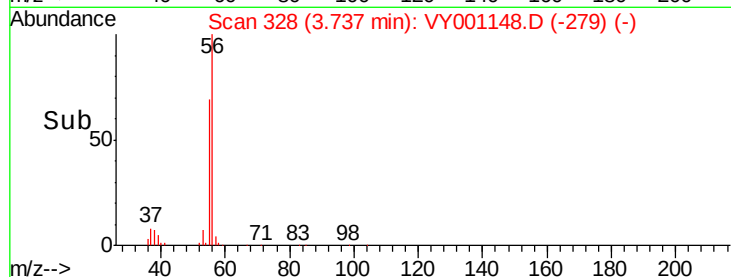
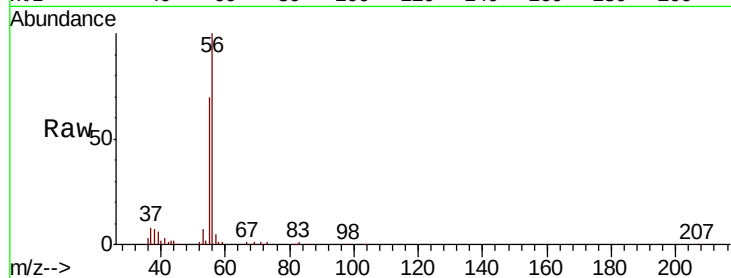
#13
Acrolein
Concen: 284.381 ug/l
RT: 3.74 min Scan# 328
Delta R.T. 0.00 min
Lab File: VY001148.D
Acq: 10 Jan 2020 15:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
56	100		
55	70.9	56.7	85.1

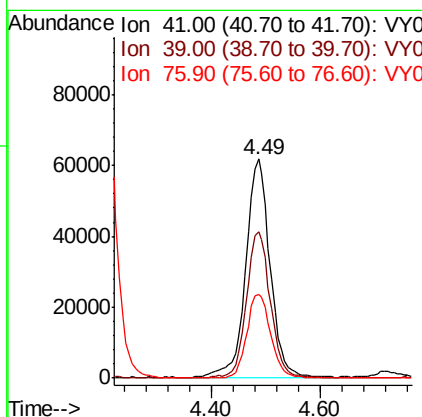
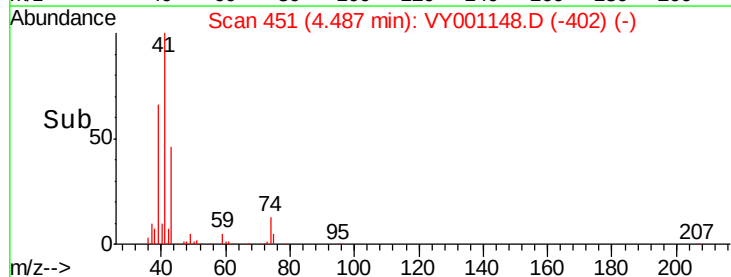
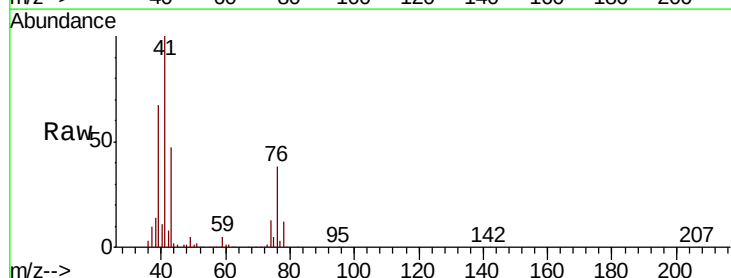
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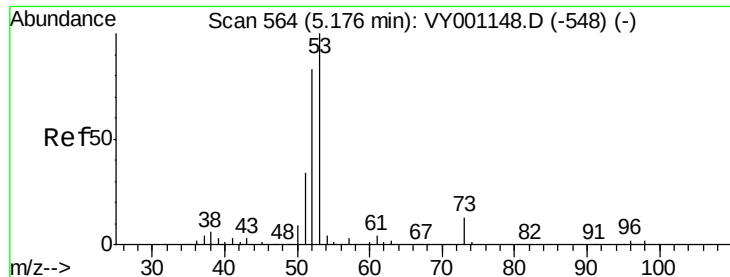
MMDadoda
1/13/2020 12:38:57 PM



#14
Allyl chloride
Concen: 77.286 ug/l
RT: 4.49 min Scan# 451
Delta R.T. 0.00 min
Lab File: VY001148.D
Acq: 10 Jan 2020 15:02

Tgt Ion	Ratio	Lower	Upper
41	100		
39	65.7	52.6	78.8
76	37.7	30.2	45.2





#15

Acrylonitrile

Concen: 313.140 ug/l

RT: 5.18 min Scan# 564

Delta R.T. 0.00 min

Lab File: VY001148.D

Acq: 10 Jan 2020 15:02

Instrument :

MSVOA_Y

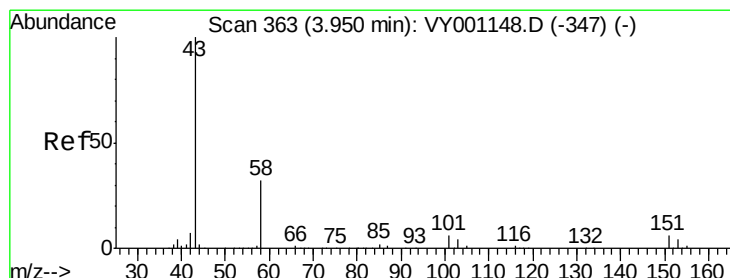
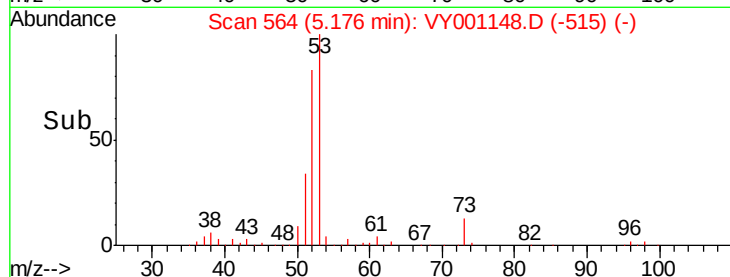
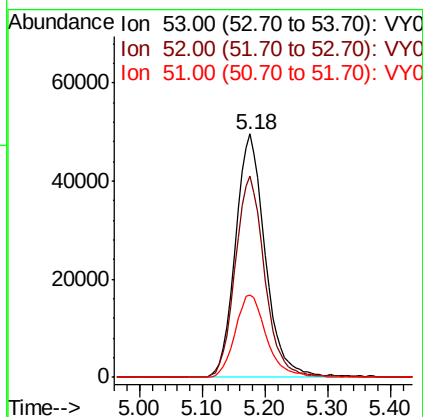
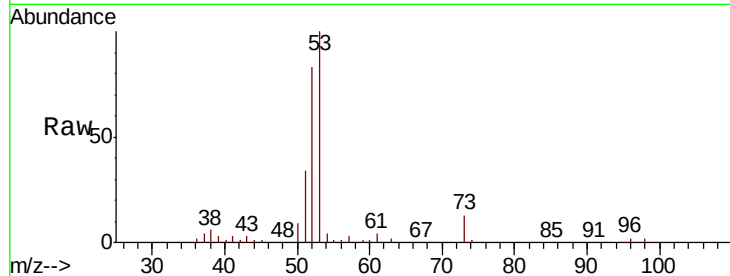
ClientSampleId :

VSTDICCC050

Tot Ion:	53	Resp:	162515
Ion	Ratio	Lower	Upper
53	100		
52	82.1	65.7	98.5
51	35.9	28.7	43.1

Manual Integrations
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#16

Acetone

Concen: 330.675 ug/l

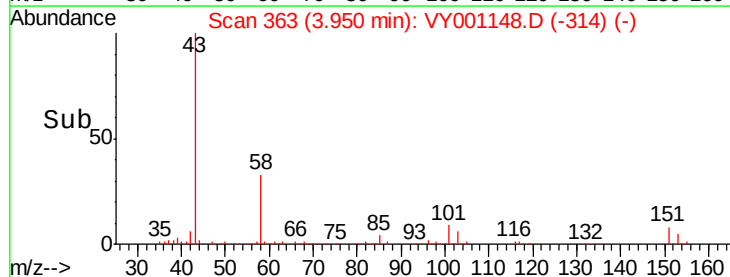
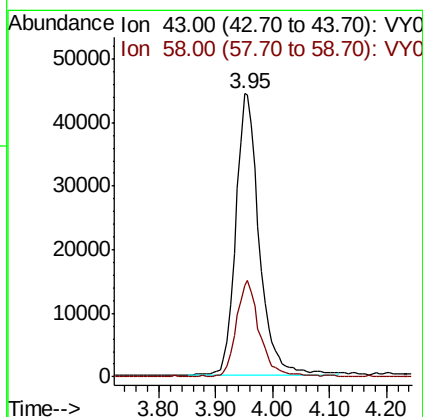
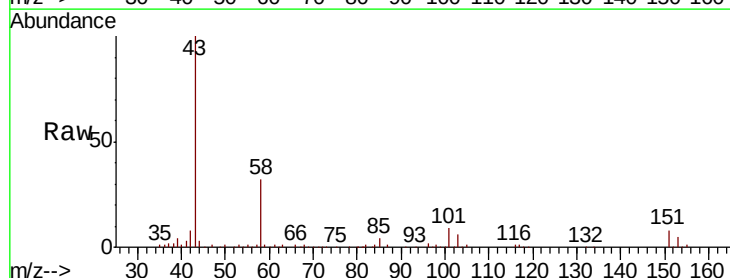
RT: 3.95 min Scan# 363

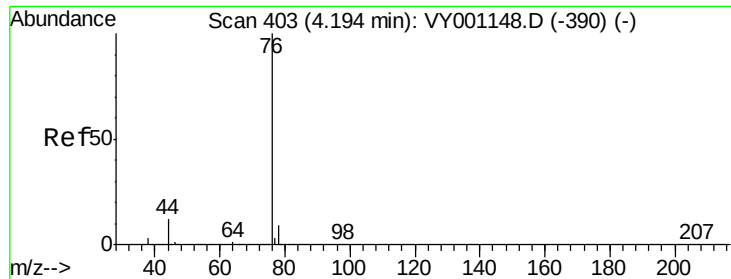
Delta R.T. 0.00 min

Lab File: VY001148.D

Acq: 10 Jan 2020 15:02

Tgt Ion:	43	Resp:	128995
Ion	Ratio	Lower	Upper
43	100		
58	32.2	25.8	38.6





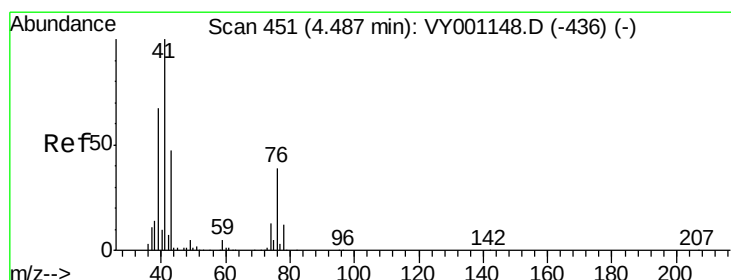
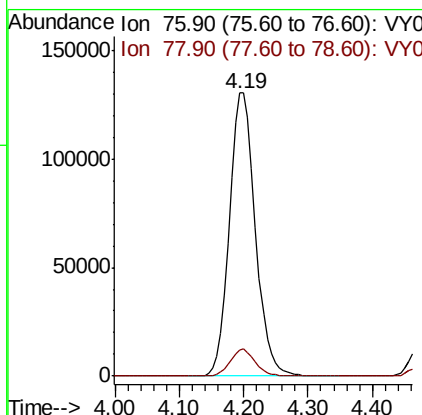
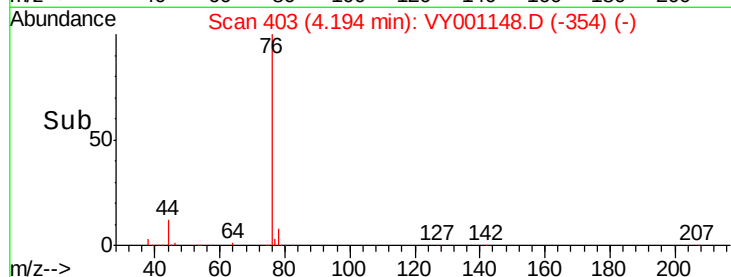
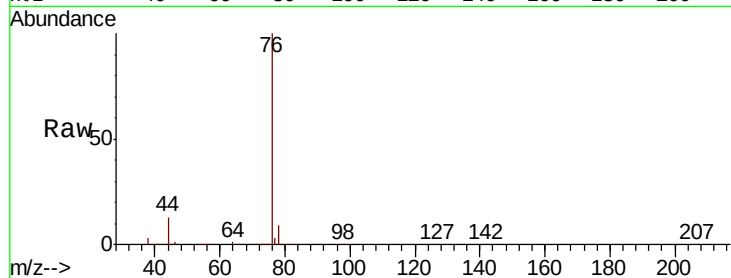
#17
Carbon Disulfide
Concen: 58.164 ug/l
RT: 4.19 min Scan# 403
Delta R.T. 0.00 min
Lab File: VY001148.D
Acq: 10 Jan 2020 15:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.2	10.8

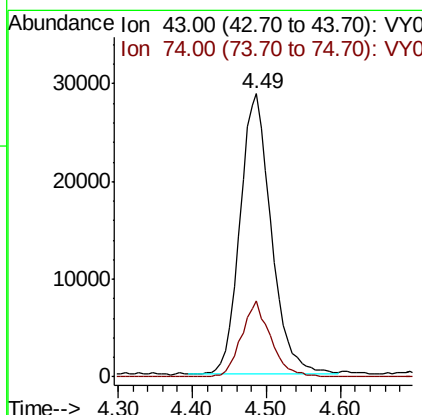
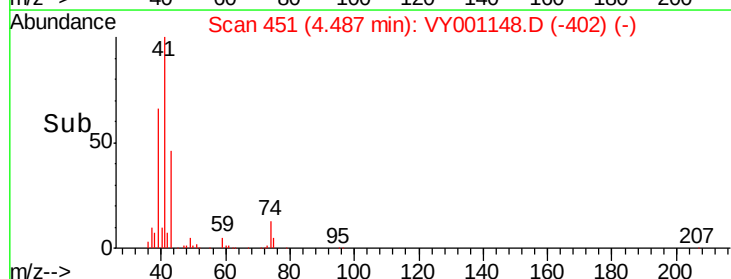
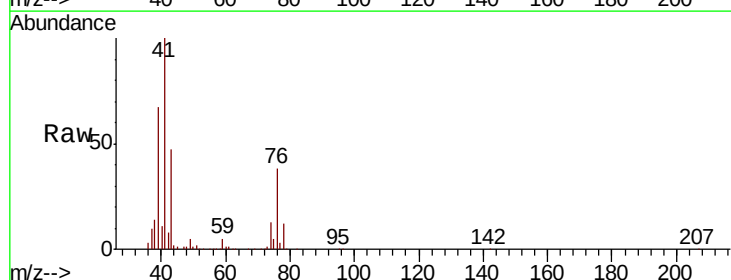
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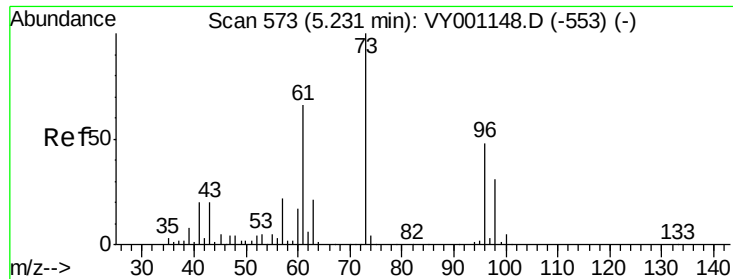
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#18
Methyl Acetate
Concen: 69.678 ug/l
RT: 4.49 min Scan# 451
Delta R.T. 0.00 min
Lab File: VY001148.D
Acq: 10 Jan 2020 15:02

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.2	20.2	30.2





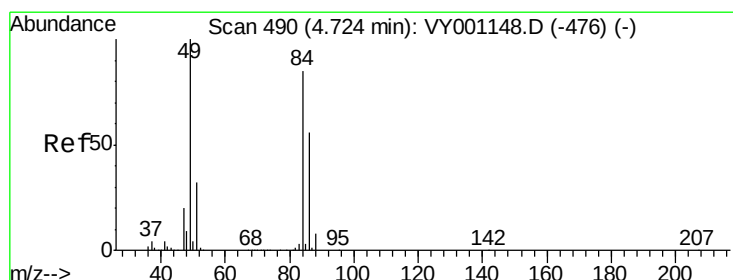
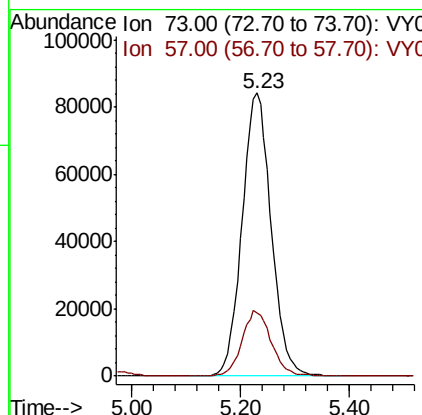
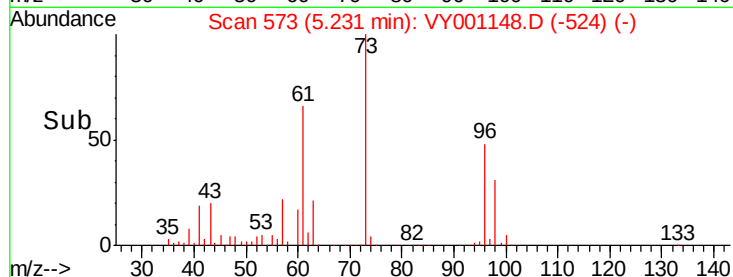
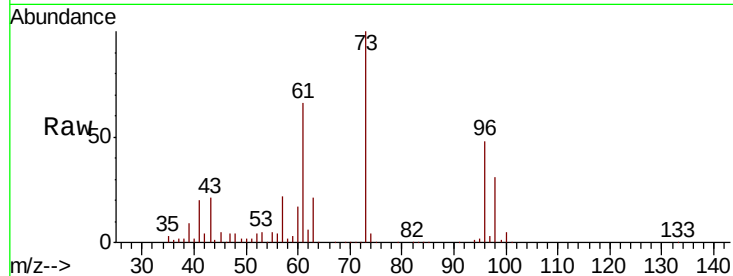
#19
Methyl tert-butyl Ether
Concen: 60.056 ug/l
RT: 5.23 min Scan# 573
Delta R.T. 0.00 min
Lab File: VY001148.D
Acq: 10 Jan 2020 15:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion: 73 Resp: 312748
Ion Ratio Lower Upper
73 100
57 22.2 17.8 26.6

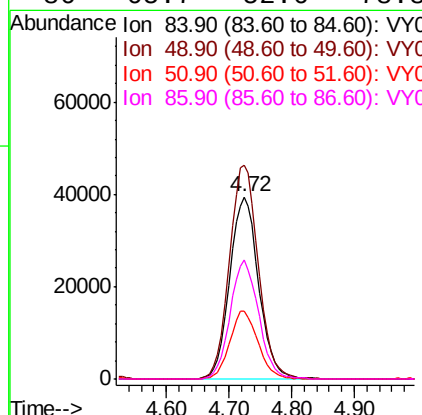
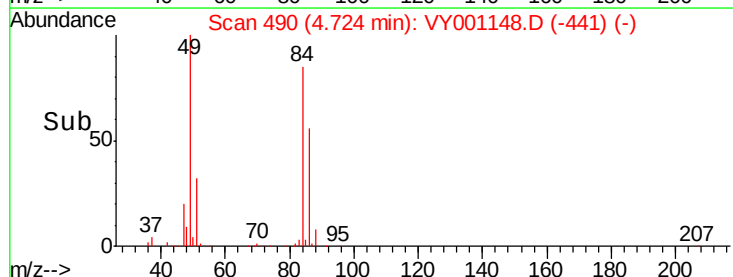
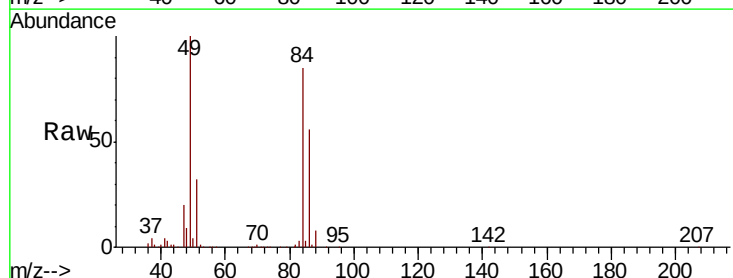
Manual Integrations
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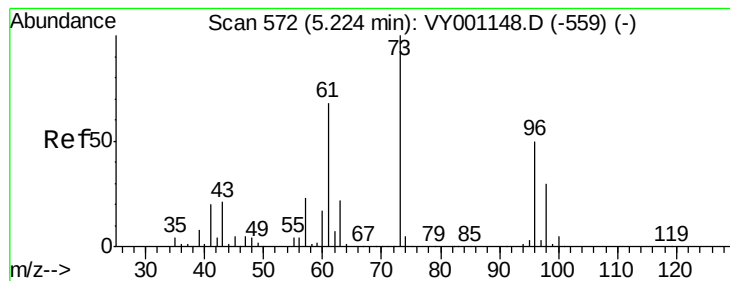
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#20
Methylene Chloride
Concen: 51.263 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY001148.D
Acq: 10 Jan 2020 15:02

Tgt Ion: 84 Resp: 126099
Ion Ratio Lower Upper
84 100
49 117.2 93.8 140.6
51 37.4 29.9 44.9
86 65.7 52.6 78.8





#21

trans-1,2-Dichloroethene

Concen: 54.938 ug/l

RT: 5.22 min Scan# 572

Delta R.T. 0.00 min

Lab File: VY001148.D

Acq: 10 Jan 2020 15:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tot Ion: 96 Resp: 128666

Ion Ratio Lower Upper

96 100

61 134.5 107.6 161.4

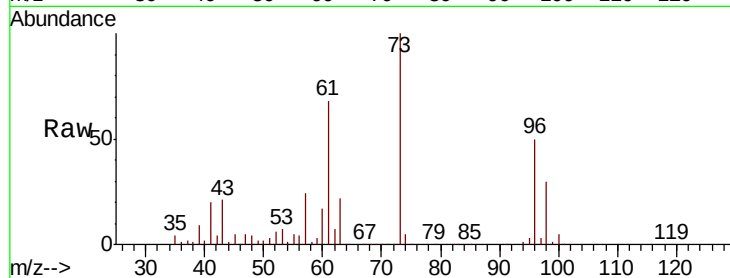
98 59.5 47.6 71.4

Manual Integrations

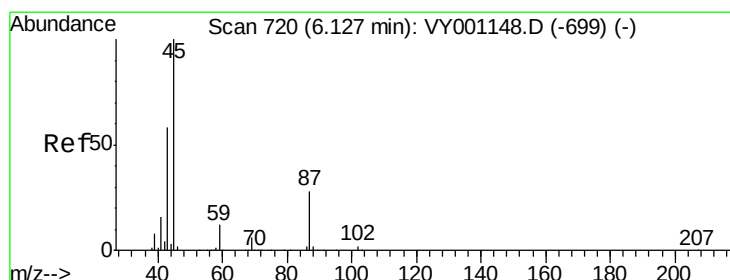
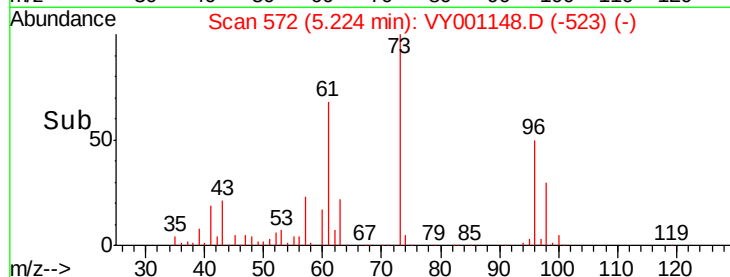
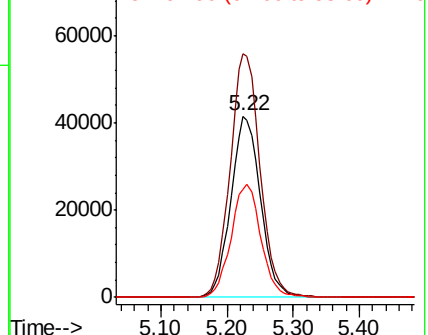
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Abundance Ion 95.90 (95.60 to 96.60): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 97.90 (97.60 to 98.60): VY0



#22

Diisopropyl ether

Concen: 77.306 ug/l

RT: 6.13 min Scan# 720

Delta R.T. 0.00 min

Lab File: VY001148.D

Acq: 10 Jan 2020 15:02

Tgt Ion: 45 Resp: 390649

Ion Ratio Lower Upper

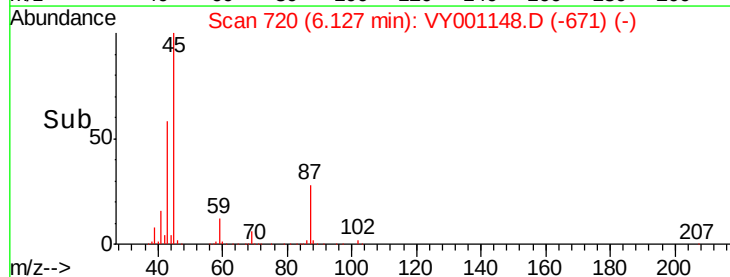
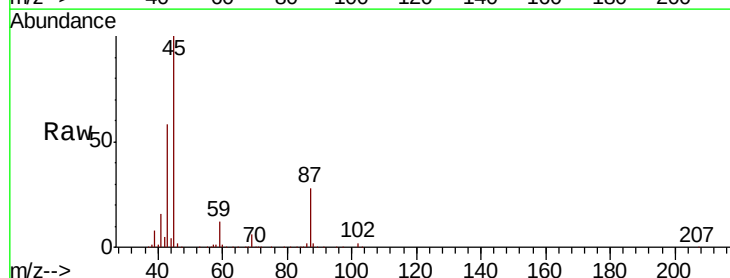
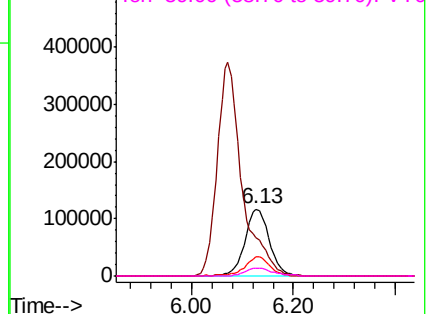
45 100

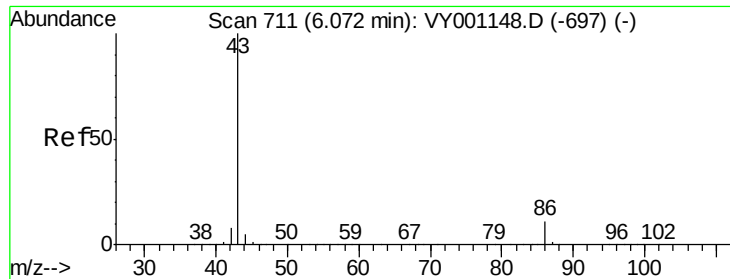
43 58.1 46.5 69.7

87 28.1 22.5 33.7

59 11.7 9.4 14.0

Abundance Ion 45.00 (44.70 to 45.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 87.00 (86.70 to 87.70): VY0
Ion 59.00 (58.70 to 59.70): VY0





#23

Vinyl Acetate

Concen: 395.192 ug/l

RT: 6.07 min Scan# 711

Delta R.T. 0.00 min

Lab File: VY001148.D

Acq: 10 Jan 2020 15:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 1262908

Ion Ratio Lower Upper

43 100

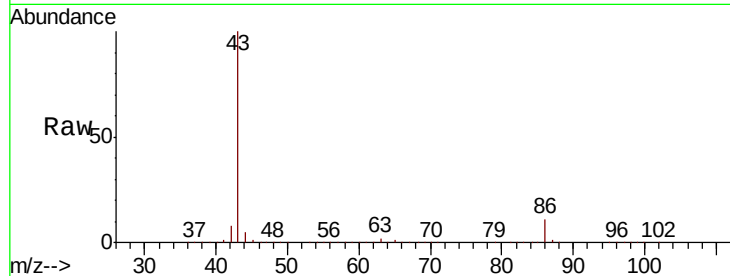
86 11.2 9.0 13.4

Manual Integrations

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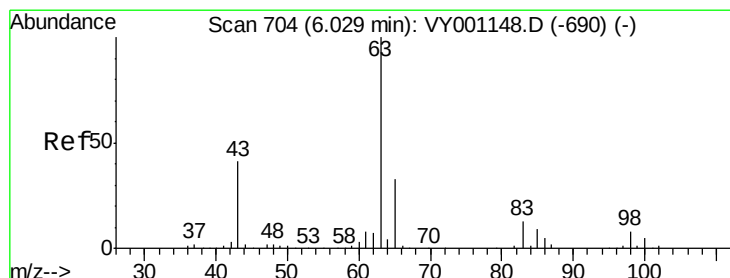
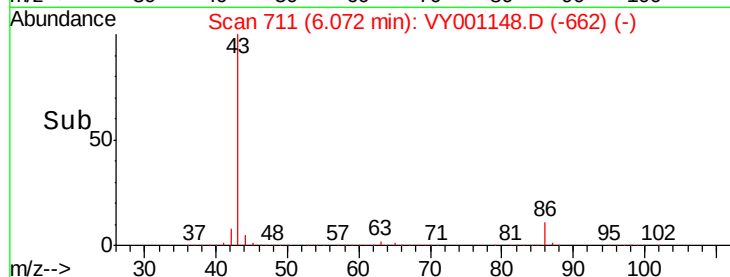
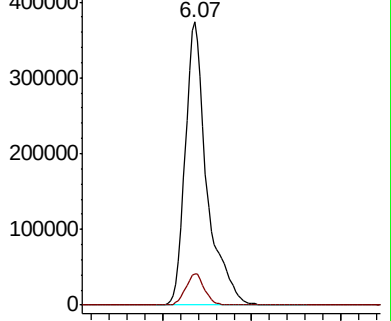
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 64.380 ug/l

RT: 6.03 min Scan# 704

Delta R.T. 0.00 min

Lab File: VY001148.D

Acq: 10 Jan 2020 15:02

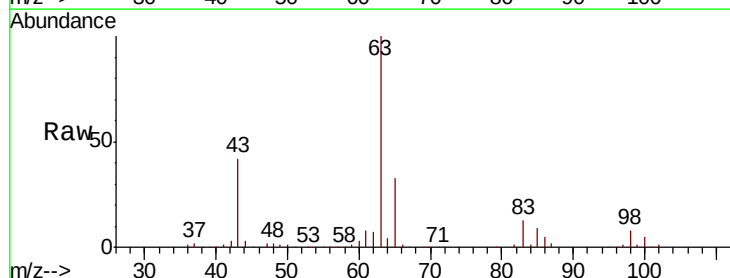
Tgt Ion: 63 Resp: 212745

Ion Ratio Lower Upper

63 100

98 7.8 3.9 11.7

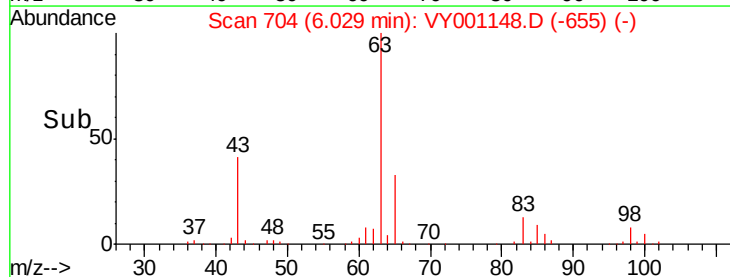
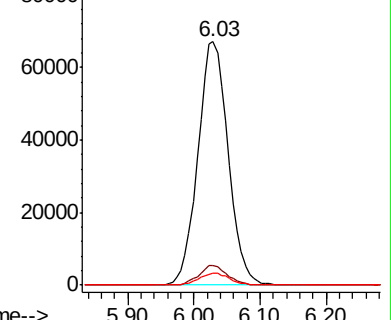
100 4.8 2.4 7.2

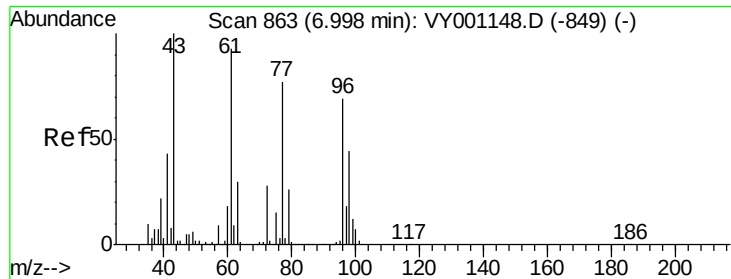


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





#25

2-Butanone

Concen: 326.709 ug/l

RT: 7.00 min Scan# 863

Delta R.T. 0.00 min

Lab File: VY001148.D

Acq: 10 Jan 2020 15:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 208233

Ion Ratio Lower Upper

43 100

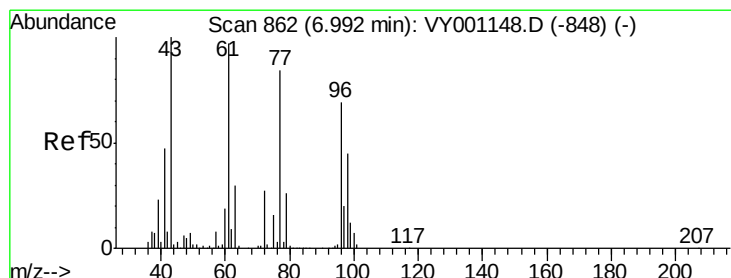
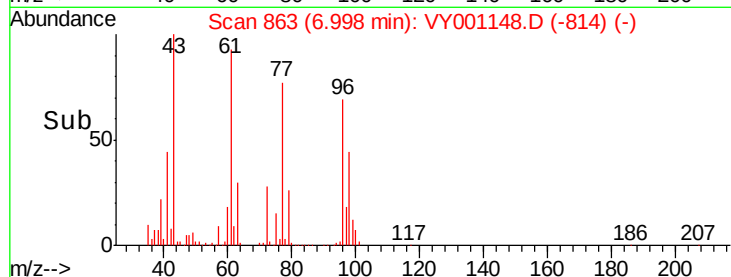
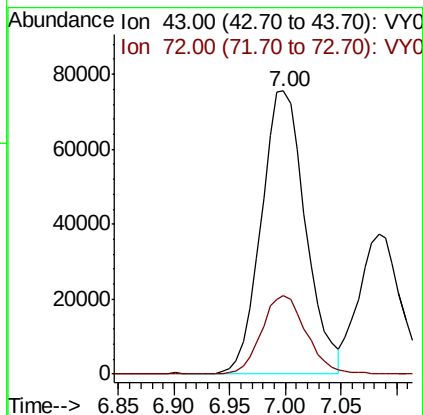
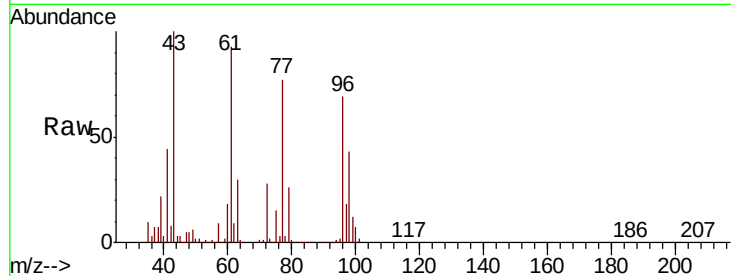
72 27.7 22.2 33.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 54.268 ug/l

RT: 6.99 min Scan# 862

Delta R.T. 0.00 min

Lab File: VY001148.D

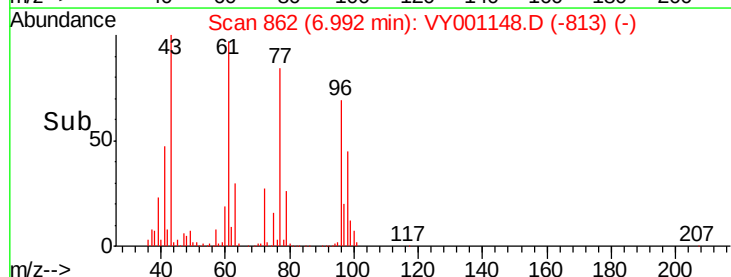
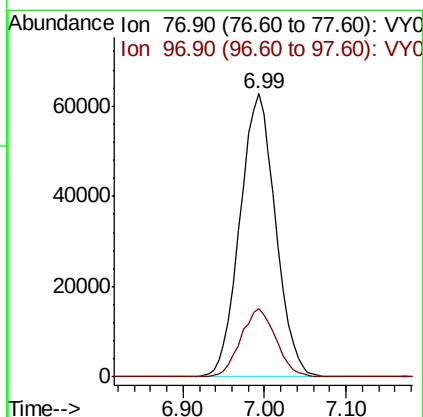
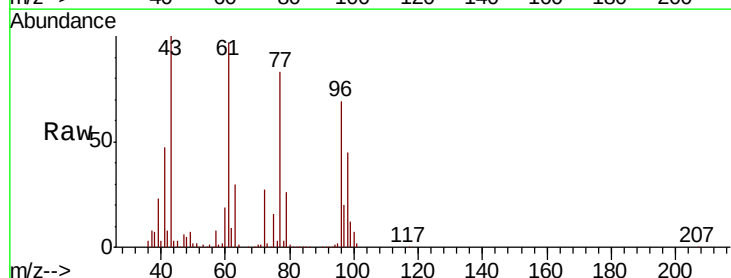
Acq: 10 Jan 2020 15:02

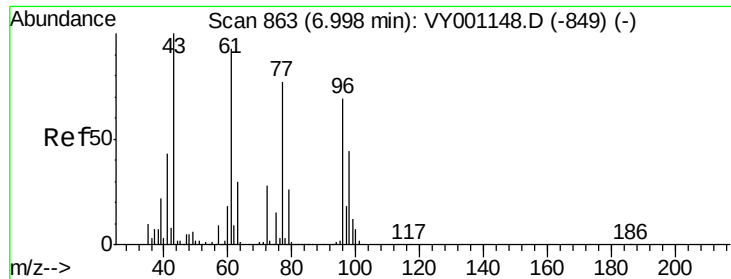
Tgt Ion: 77 Resp: 190760

Ion Ratio Lower Upper

77 100

97 23.8 11.9 35.7





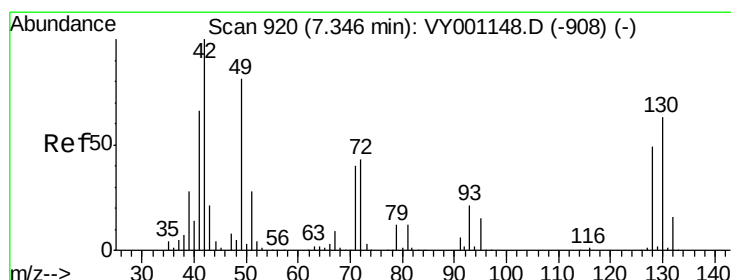
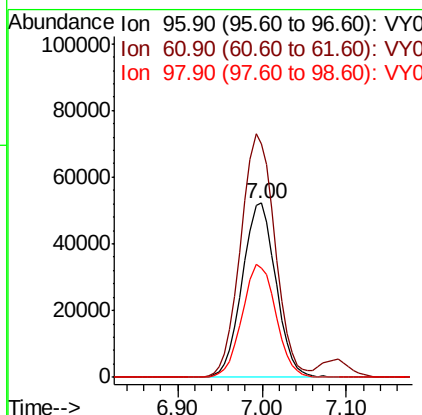
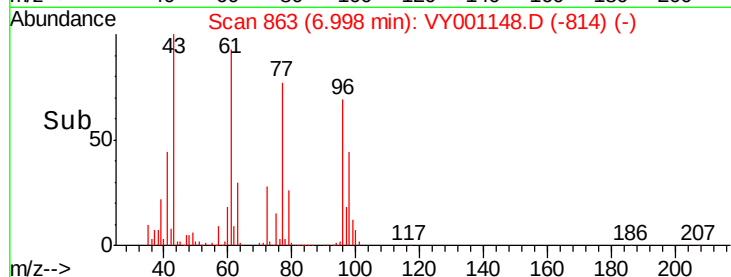
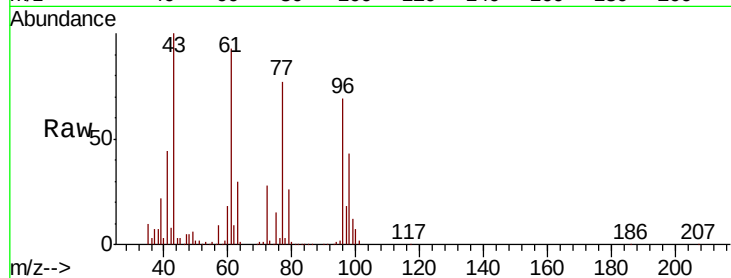
#27
 cis-1,2-Dichloroethene
 Concen: 51.342 ug/l
 RT: 7.00 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VY001148.D
 Acq: 10 Jan 2020 15:02

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	142.0	0.0	284.0
98	65.1	0.0	130.2

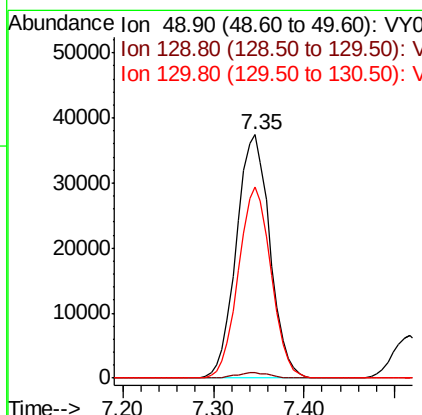
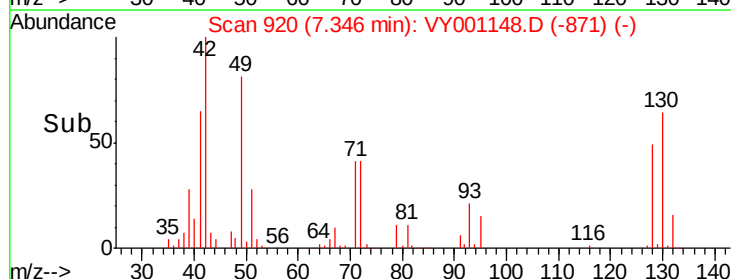
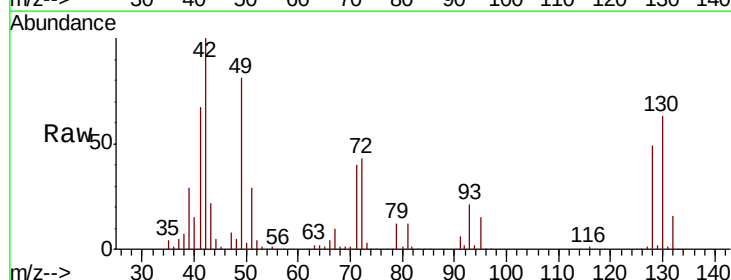
Manual Integrations
 APPROVED

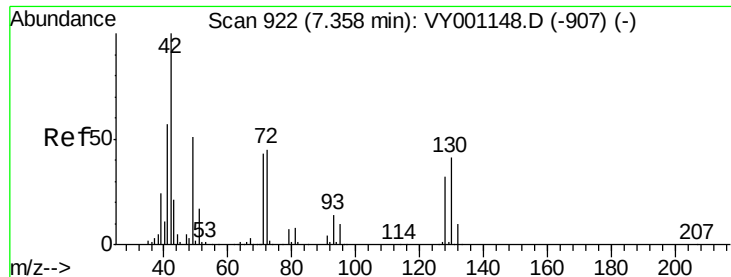
MMDadoda
 1/13/2020 12:38:57 PM



#28
 Bromochloromethane
 Concen: 73.811 ug/l
 RT: 7.35 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VY001148.D
 Acq: 10 Jan 2020 15:02

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.4
130	76.5	61.2	91.8





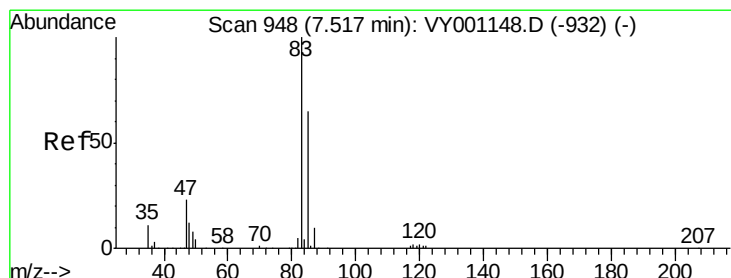
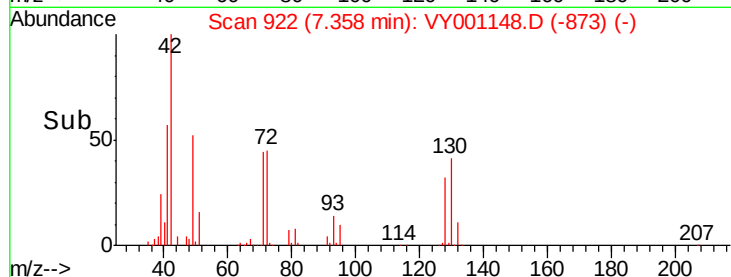
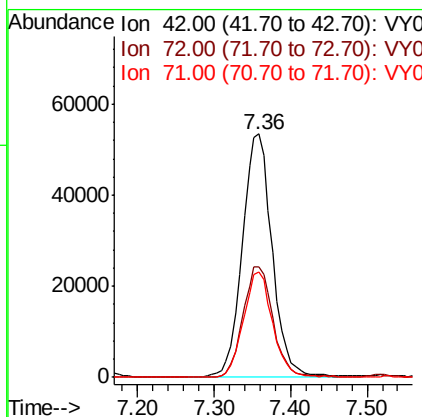
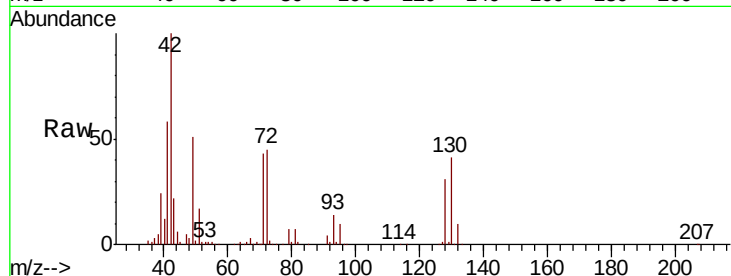
#29
Tetrahydrofuran
Concen: 332.454 ug/l
RT: 7.36 min Scan# 922
Delta R.T. 0.00 min
Lab File: VY001148.D
Acq: 10 Jan 2020 15:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.1	36.9	55.3
71	42.5	34.0	51.0

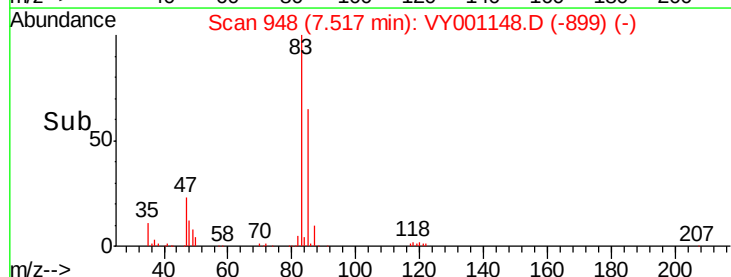
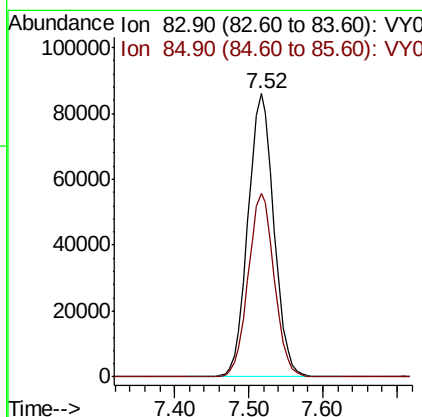
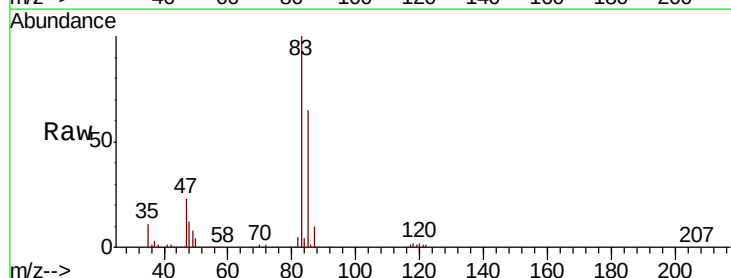
Manual Integrations
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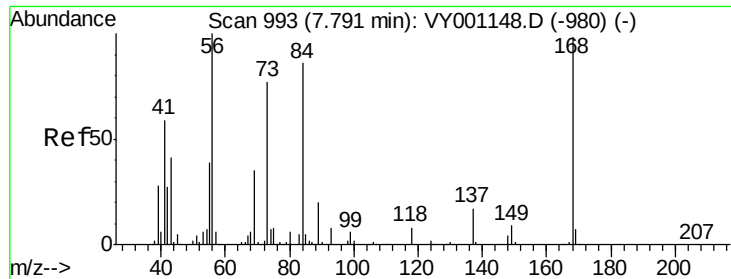
MMDadoda
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#30
Chloroform
Concen: 52.904 ug/l
RT: 7.52 min Scan# 948
Delta R.T. 0.00 min
Lab File: VY001148.D
Acq: 10 Jan 2020 15:02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.9	77.9





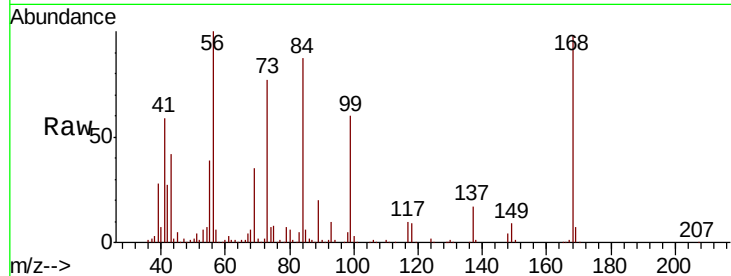
#31
Cyclohexane
Concen: 56.664 ug/l
RT: 7.79 min Scan# 993
Delta R.T. 0.00 min
Lab File: VY001148.D
Acq: 10 Jan 2020 15:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

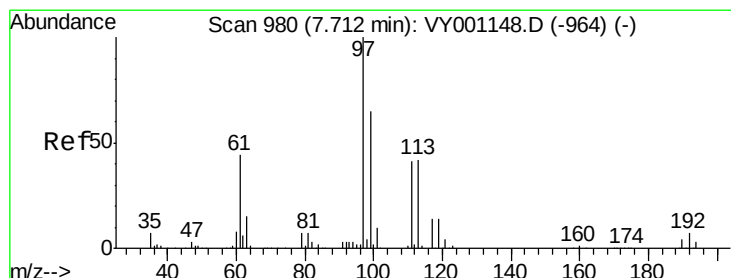
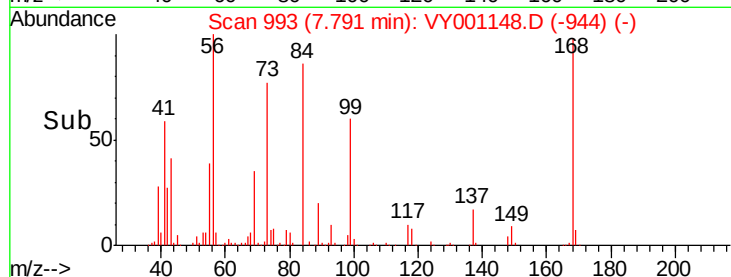
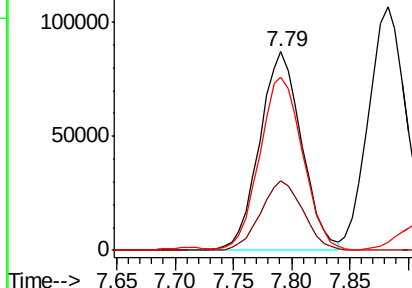
Tot Ion	Ratio	Lower	Upper
56	100		
69	34.8	27.8	41.8
84	86.1	68.9	103.3

Manual Integrations
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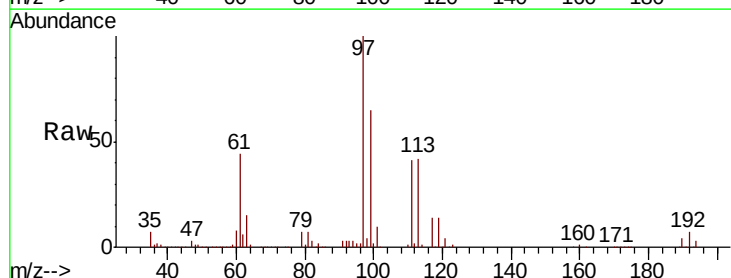


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

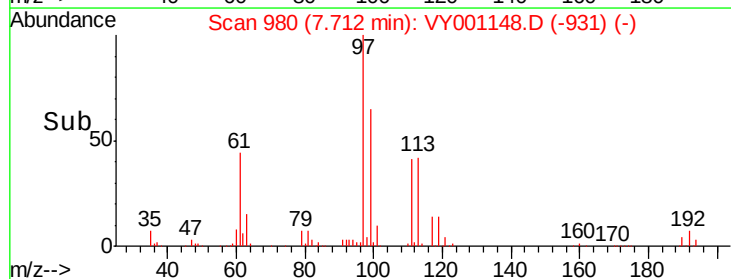
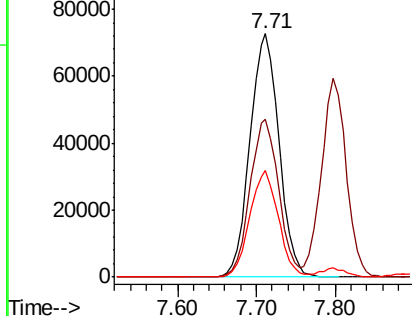


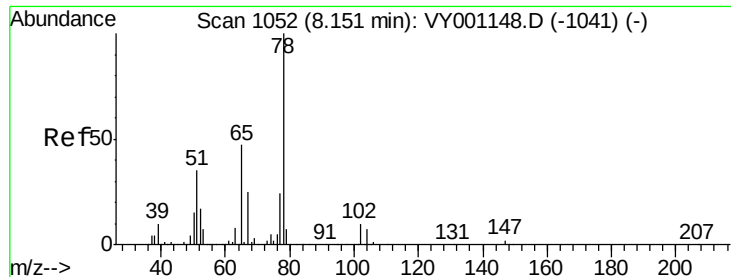
#32
1,1,1-Trichloroethane
Concen: 50.890 ug/l
RT: 7.71 min Scan# 980
Delta R.T. 0.00 min
Lab File: VY001148.D
Acq: 10 Jan 2020 15:02

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.3	76.9
61	43.3	34.6	52.0



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





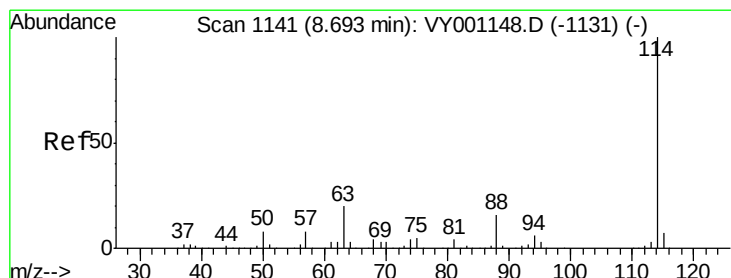
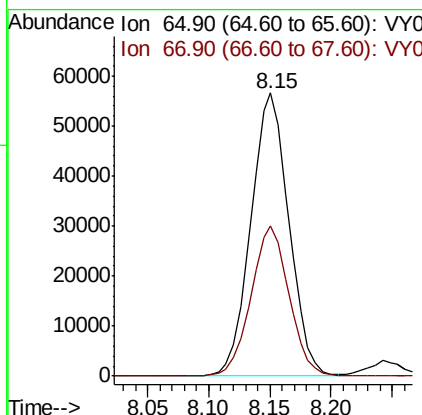
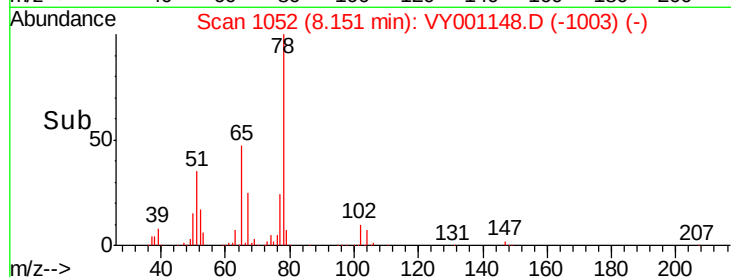
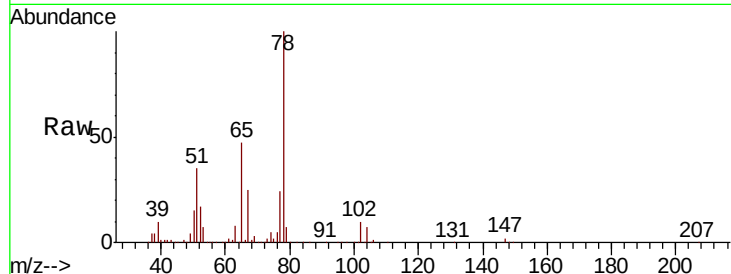
#33
 1,2-Dichloroethane-d4
 Concen: 61.899 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VY001148.D
 Acq: 10 Jan 2020 15:02

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	122393		
67	52.6	0.0	105.2	

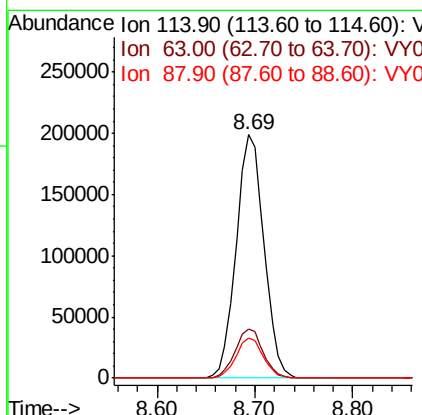
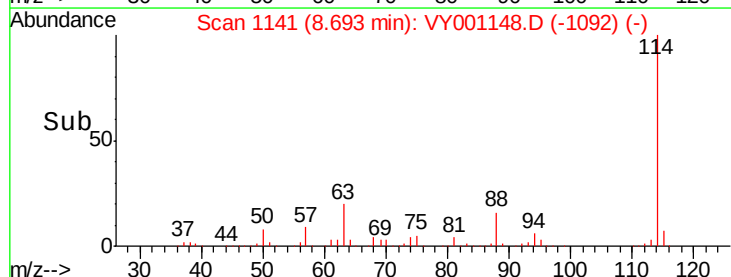
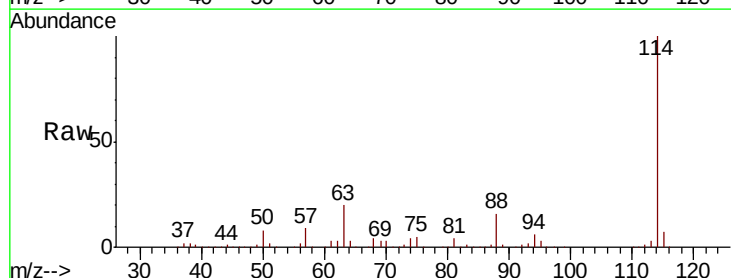
Manual Integrations
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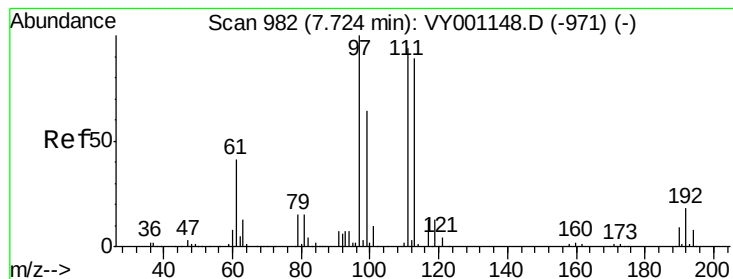
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 1/13/2020 12:38:57 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: VY001148.D
 Acq: 10 Jan 2020 15:02

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	392193		
63	20.4	0.0	40.8	
88	16.2	0.0	32.4	





#35

Dibromofluoromethane

Concen: 50.389 ug/l

RT: 7.72 min Scan# 982

Delta R.T. 0.00 min

Lab File: VY001148.D

Acq: 10 Jan 2020 15:02

Instrument :

MSVOA_Y

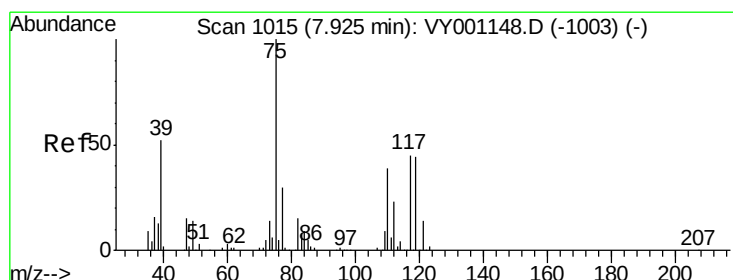
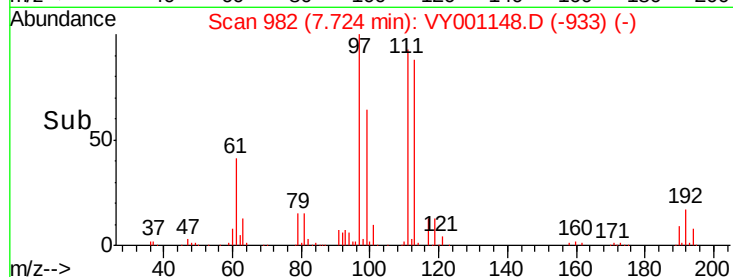
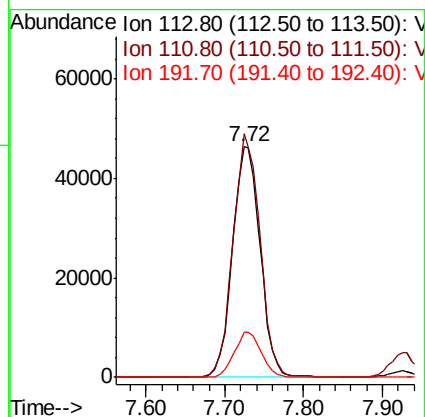
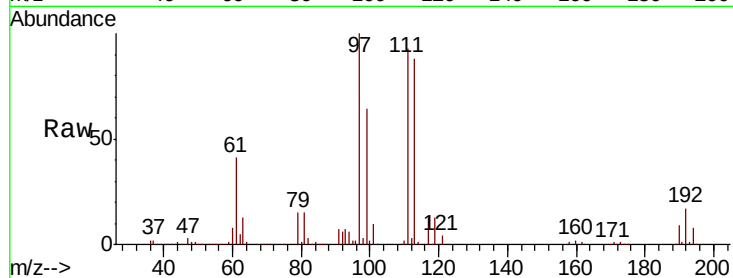
ClientSampleId :

VSTDICCC050

Tot Ion:	113	Resp:	112622
Ion Ratio	Lower	Upper	
113	100		
111	103.6	82.9	124.3
192	19.3	15.4	23.2

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 51.065 ug/l

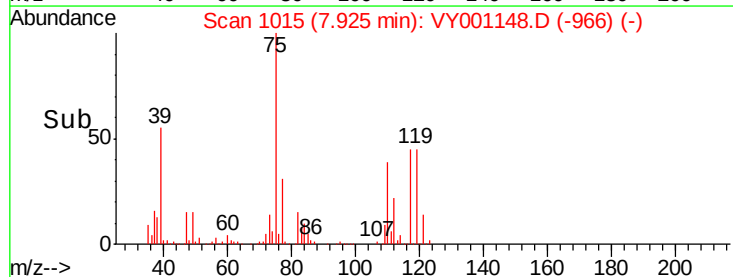
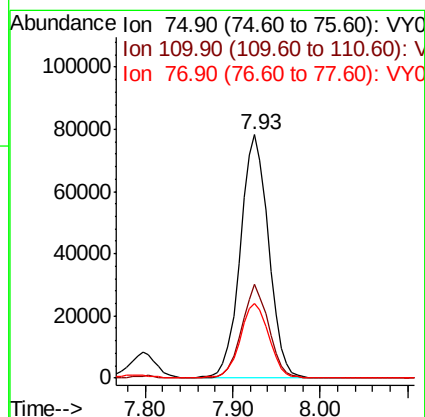
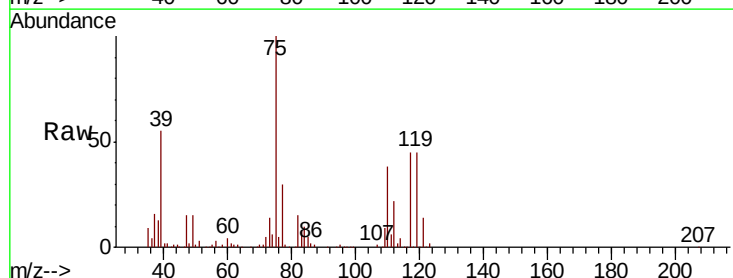
RT: 7.93 min Scan# 1015

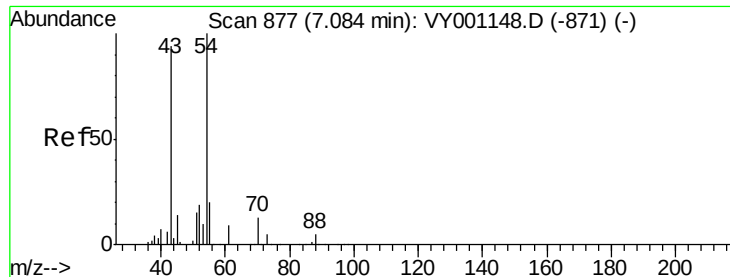
Delta R.T. 0.00 min

Lab File: VY001148.D

Acq: 10 Jan 2020 15:02

Tgt Ion:	75	Resp:	174919
Ion Ratio	Lower	Upper	
75	100		
110	36.5	18.3	54.8
77	31.4	25.1	37.7





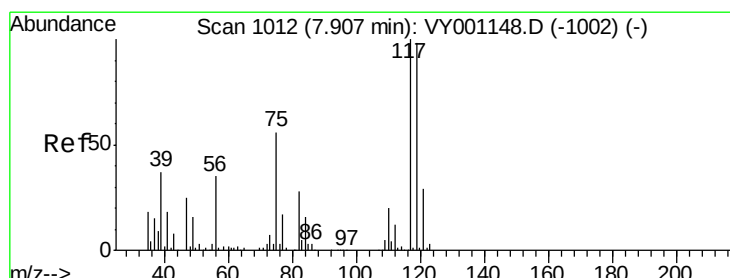
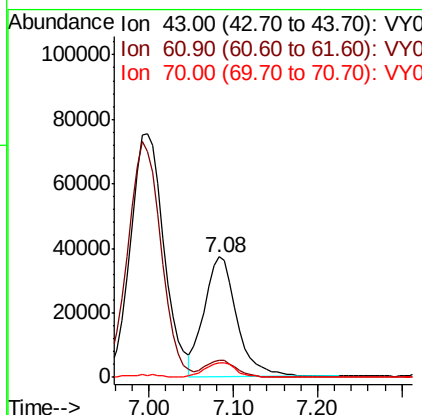
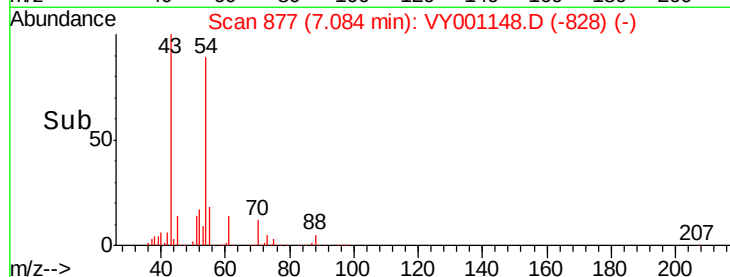
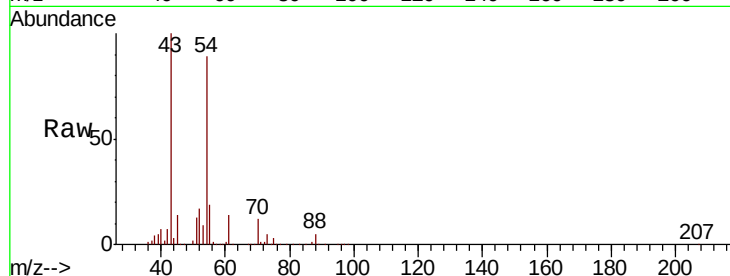
#37
Ethyl Acetate
Concen: 65.864 ug/l
RT: 7.08 min Scan# 877
Delta R.T. 0.00 min
Lab File: VY001148.D
Acq: 10 Jan 2020 15:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.9	11.1	16.7
70	12.1	9.7	14.5

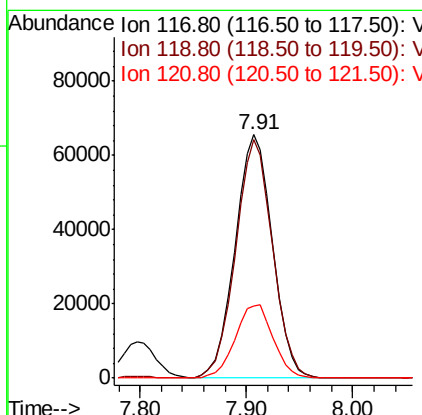
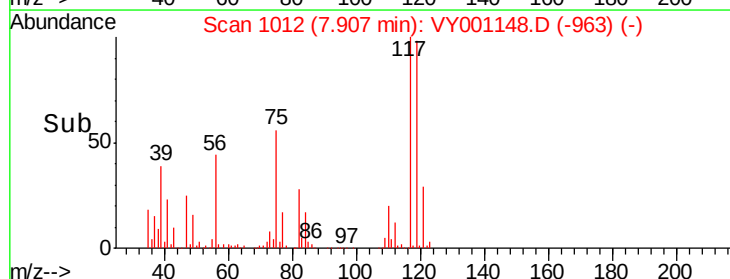
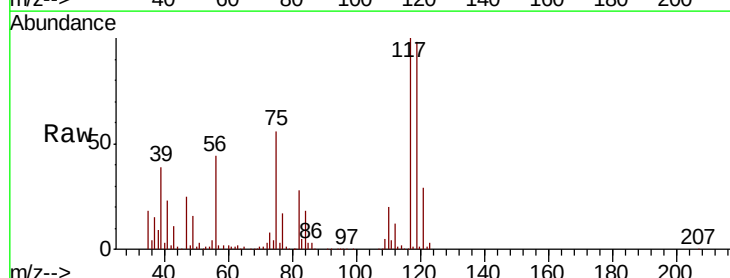
Manual Integrations
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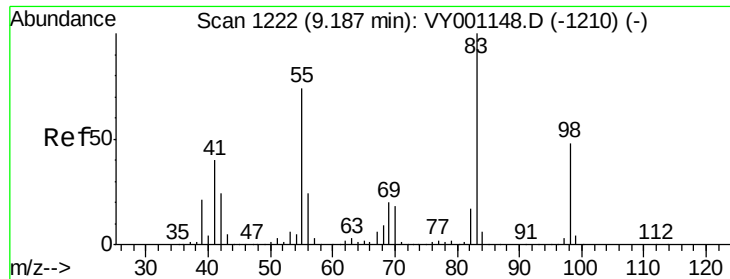
MMDadoda
1/13/2020 12:38:57 PM



#38
Carbon Tetrachloride
Concen: 46.281 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VY001148.D
Acq: 10 Jan 2020 15:02

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.9	78.3	117.5
121	29.4	23.5	35.3





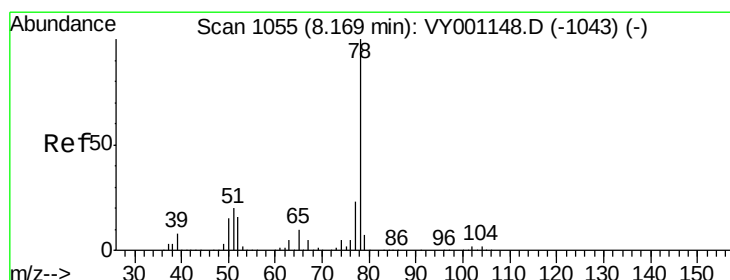
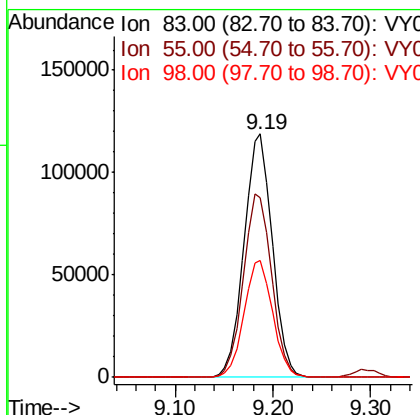
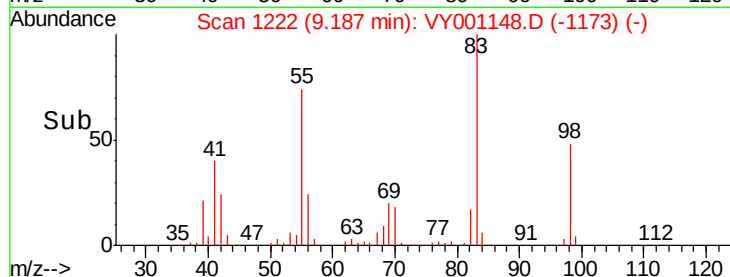
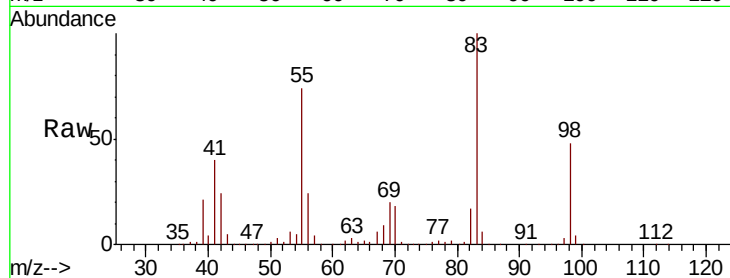
#39
Methylvlcyclohexane
Concen: 50.170 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. 0.00 min
Lab File: VY001148.D
Acq: 10 Jan 2020 15:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	83.00	Resp	237382
Ion Ratio	100	Lower	Upper
83	100		
55	73.6	58.9	88.3
98	48.0	38.4	57.6

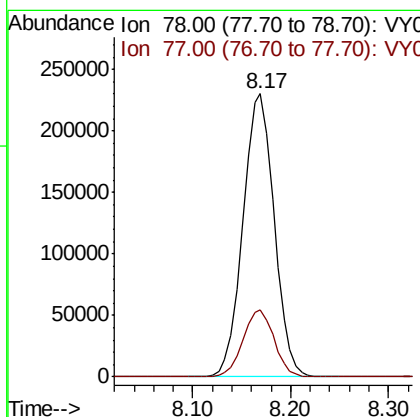
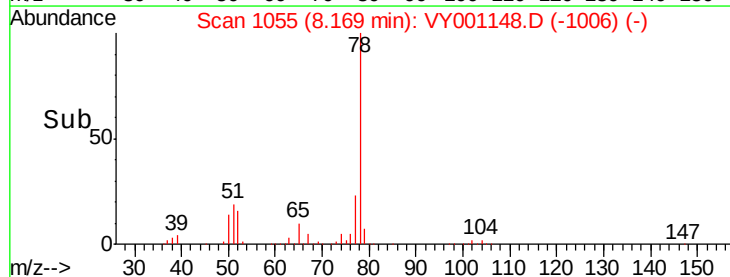
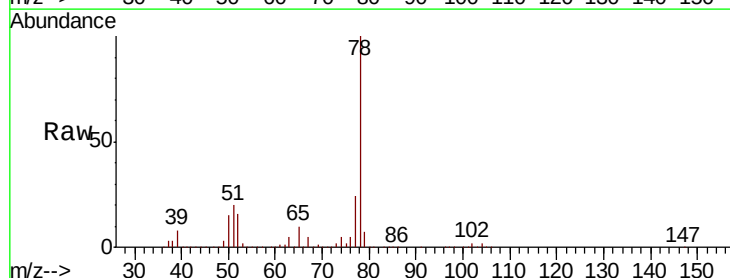
Manual Integrations
APPROVED

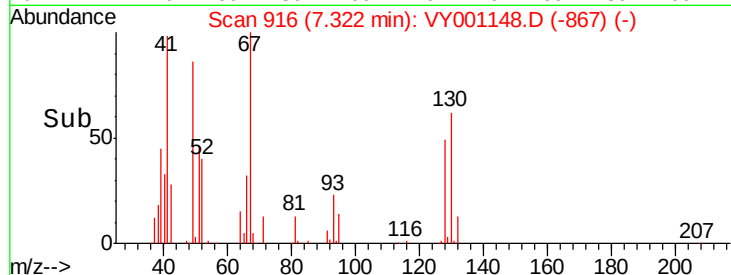
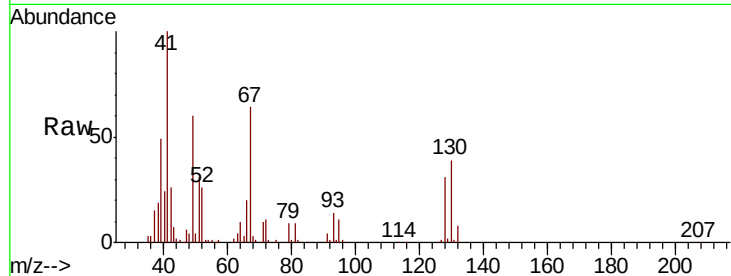
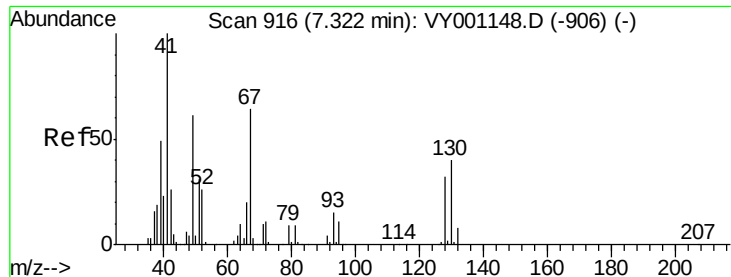
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1/13/2020 12:38:57 PM



#40
Benzene
Concen: 48.744 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. 0.00 min
Lab File: VY001148.D
Acq: 10 Jan 2020 15:02

Tgt Ion	78	Resp	509921
Ion Ratio	100	Lower	Upper
78	100		
77	23.5	18.8	28.2





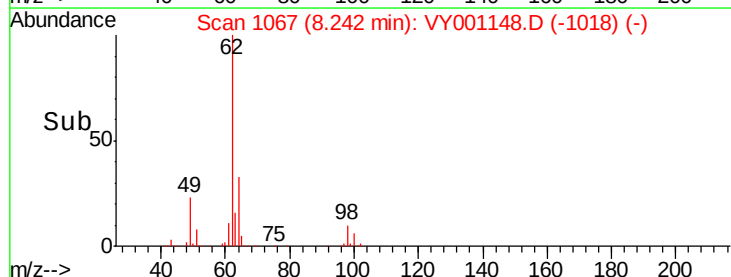
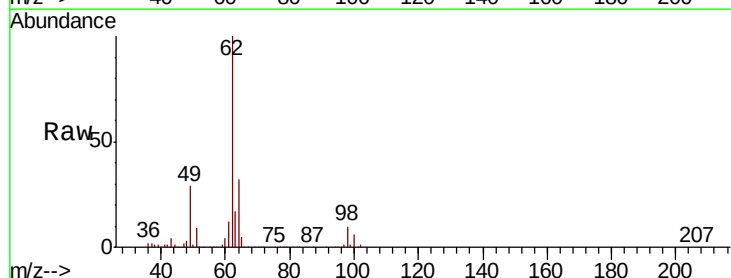
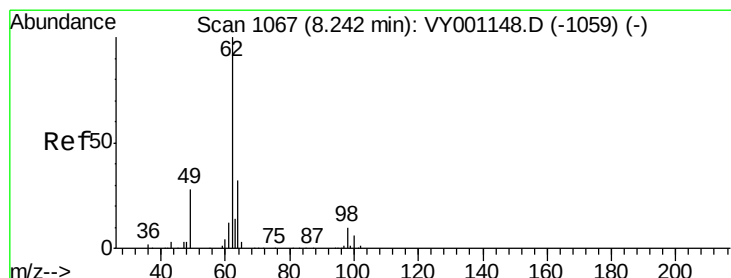
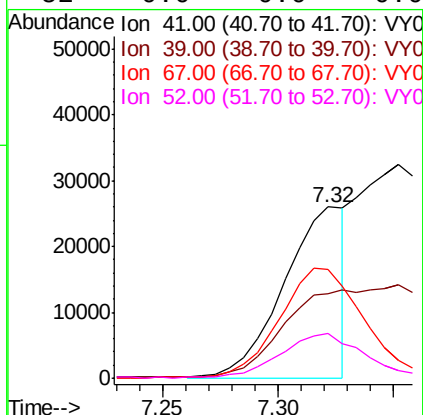
#41
Methacrylonitrile
Concen: 64.196 ug/l m
RT: 7.32 min Scan# 916
Delta R.T. 0.00 min
Lab File: VY001148.D
Acq: 10 Jan 2020 15:02

Tot Ion	41	Resp:	48284
Ion	Ratio	Lower	Upper
41	100		
39	129.4	103.5	155.3
67	0.0	0.0	0.0
52	0.0	0.0	0.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

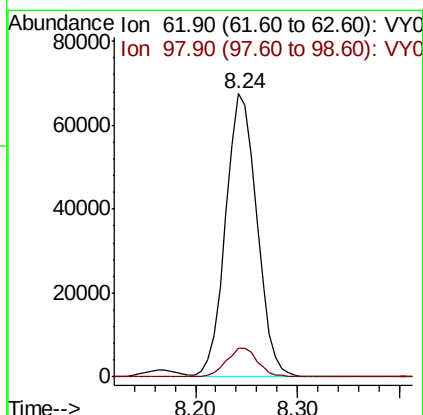
Manual Integrations
APPROVED

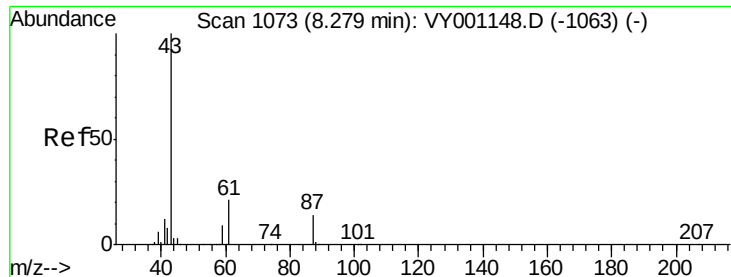
MMDadoda
1/13/2020 12:38:57 PM



#42
1,2-Dichloroethane
Concen: 55.845 ug/l
RT: 8.24 min Scan# 1067
Delta R.T. 0.00 min
Lab File: VY001148.D
Acq: 10 Jan 2020 15:02

Tgt Ion	62	Resp:	143439
Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	20.4





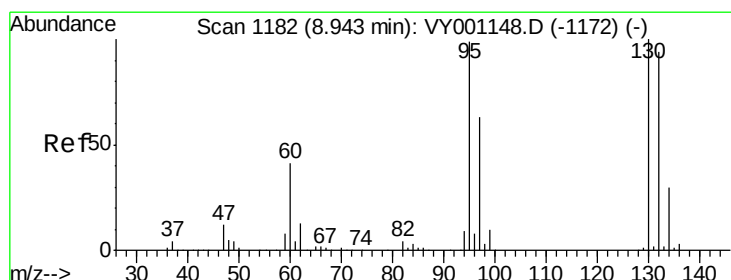
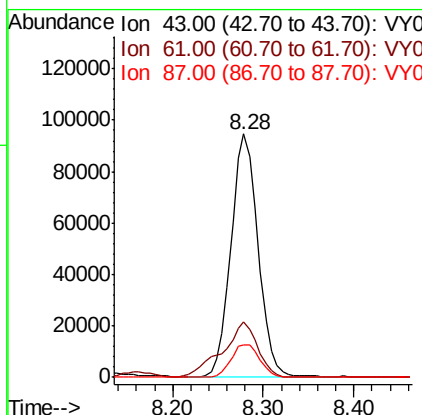
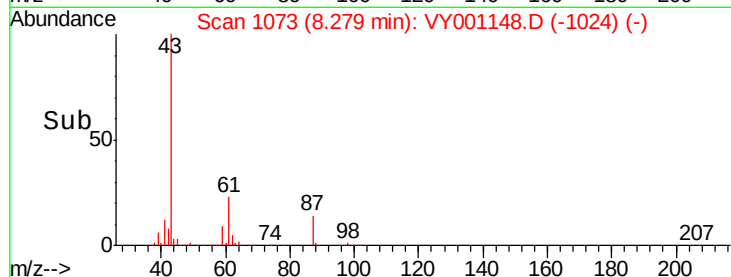
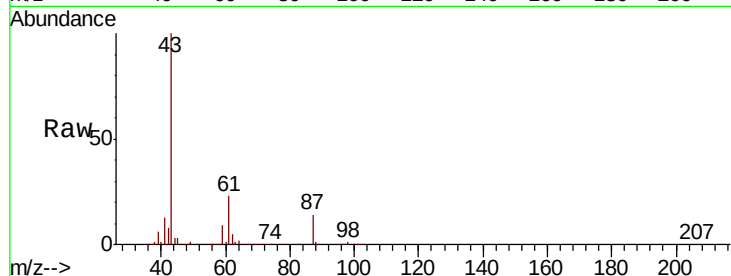
#43
Isopropyl Acetate
Concen: 65.067 ug/l
RT: 8.28 min Scan# 1073
Delta R.T. 0.00 min
Lab File: VY001148.D
Acq: 10 Jan 2020 15:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.9	23.9	35.9
87	14.3	11.4	17.2

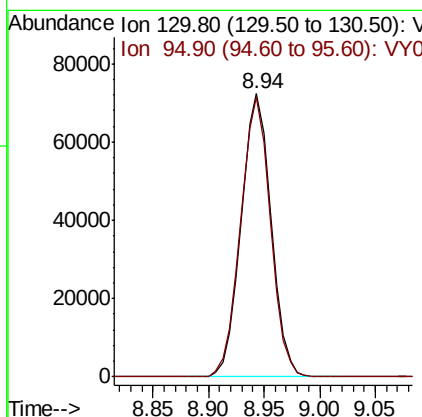
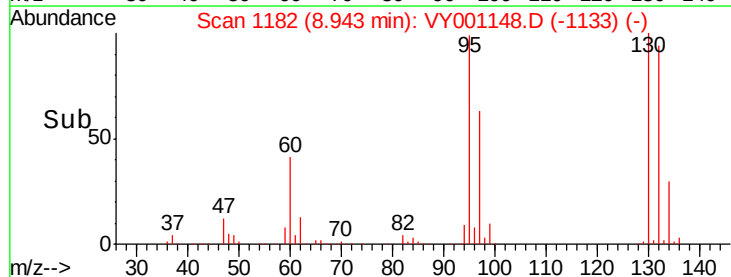
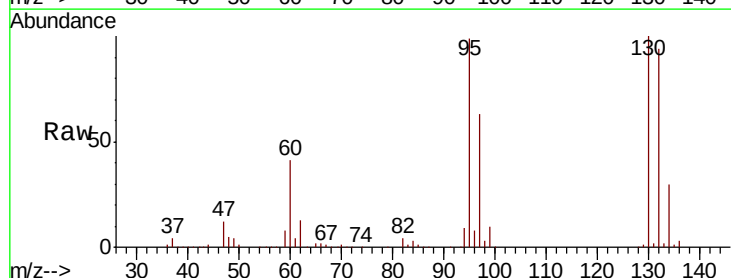
Manual Integrations
APPROVED

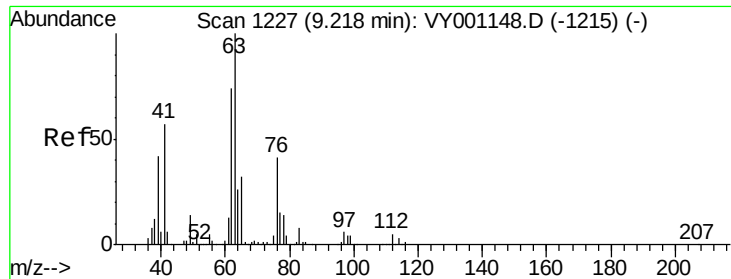
MMDadoda
1/13/2020 12:38:57 PM



#44
Trichloroethene
Concen: 43.937 ug/l
RT: 8.94 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VY001148.D
Acq: 10 Jan 2020 15:02

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.8	0.0	197.6





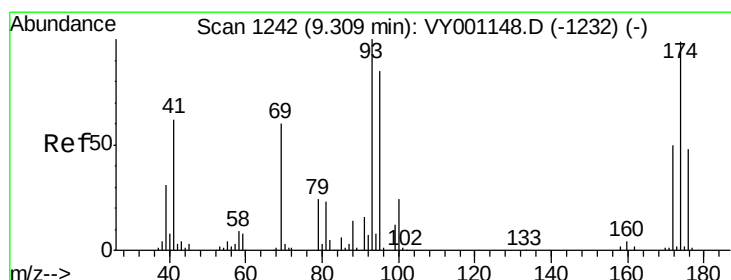
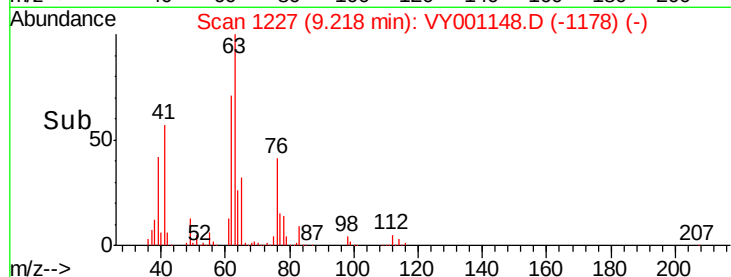
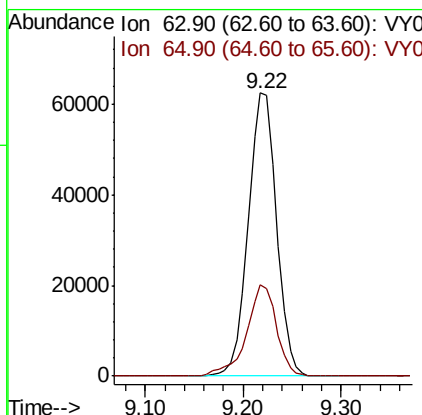
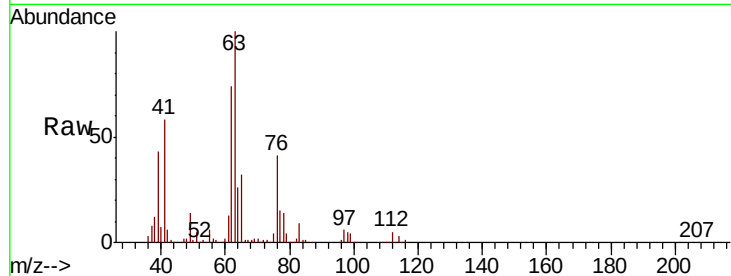
#45
 1,2-Dichloropropane
 Concen: 52.880 ug/l
 RT: 9.22 min Scan# 1227
 Delta R.T. 0.00 min
 Lab File: VY001148.D
 Acq: 10 Jan 2020 15:02

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.3	25.8	38.8

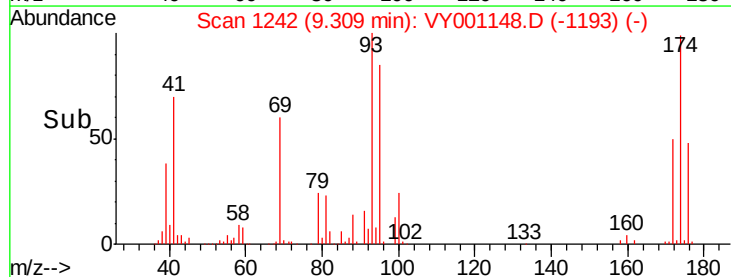
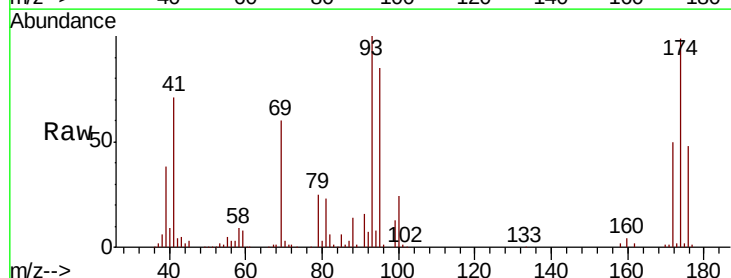
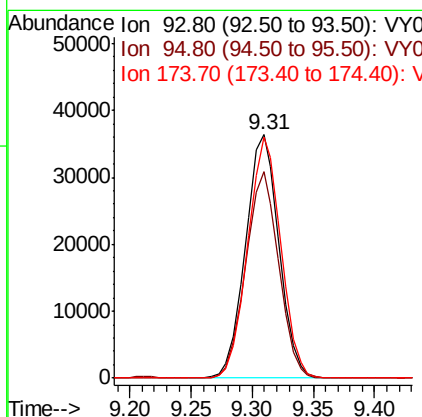
Manual Integrations
 APPROVED

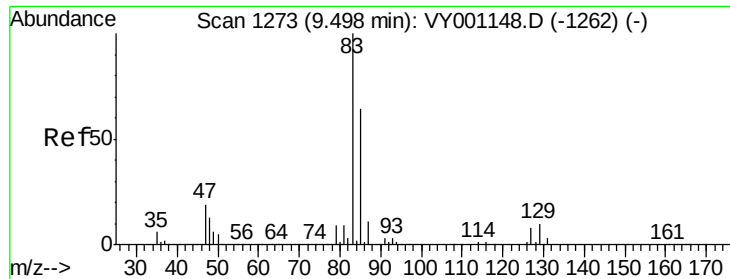
MMDadoda
 1/13/2020 12:38:57 PM



#46
 Dibromomethane
 Concen: 49.897 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VY001148.D
 Acq: 10 Jan 2020 15:02

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.5	66.8	100.2
174	98.0	78.4	117.6





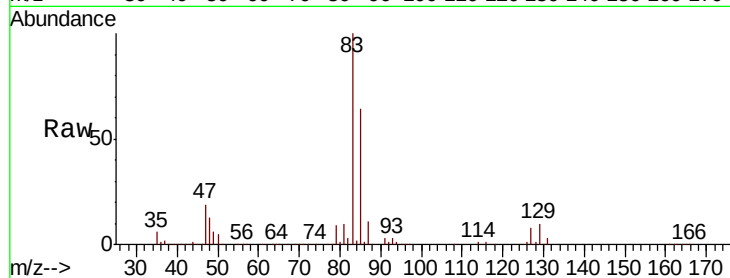
#47
Bromodichloromethane
Concen: 53.084 ug/l
RT: 9.50 min Scan# 1273
Delta R.T. 0.00 min
Lab File: VY001148.D
Acq: 10 Jan 2020 15:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
85	64.4	51.5	77.3
127	7.9	6.3	9.5

Manual Integrations
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MMDadoda
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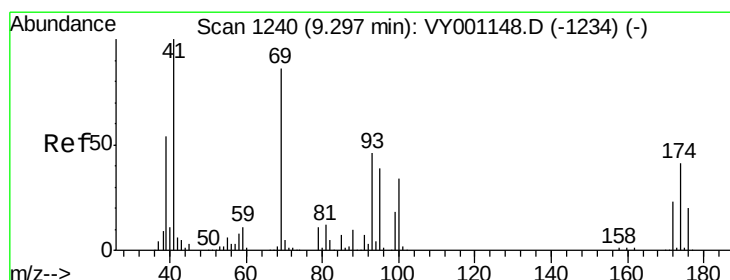
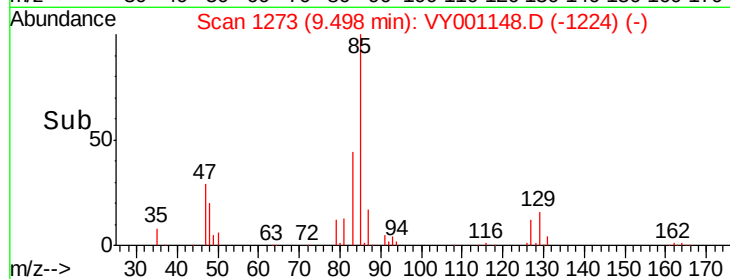
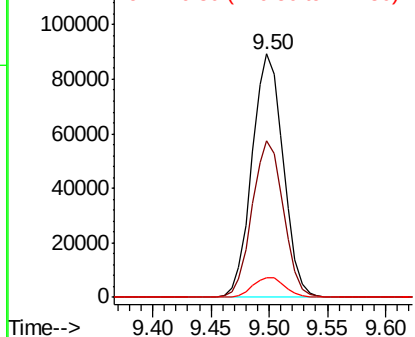


Abundance

Ion 82.90 (82.60 to 83.60): VY0

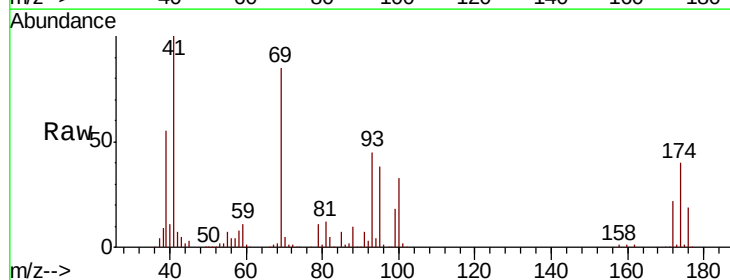
Ion 84.90 (84.60 to 85.60): VY0

Ion 126.80 (126.50 to 127.50): VY0



#48
Methyl methacrylate
Concen: 69.354 ug/l
RT: 9.30 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VY001148.D
Acq: 10 Jan 2020 15:02

Tgt Ion	Ratio	Lower	Upper
41	100		
69	87.3	69.8	104.8
39	56.5	45.2	67.8

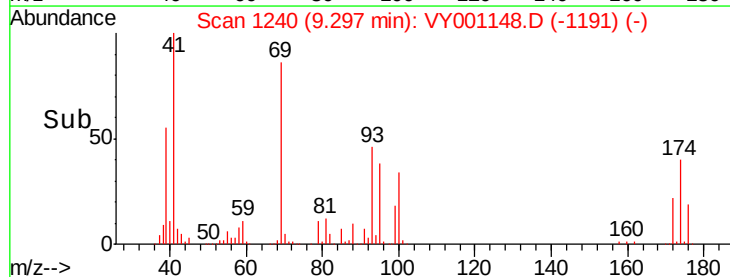
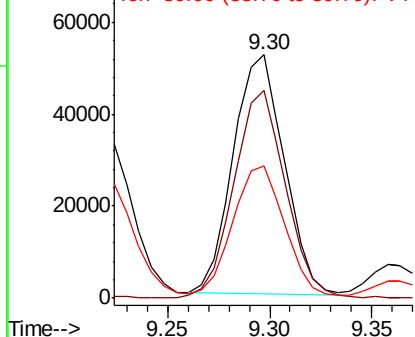


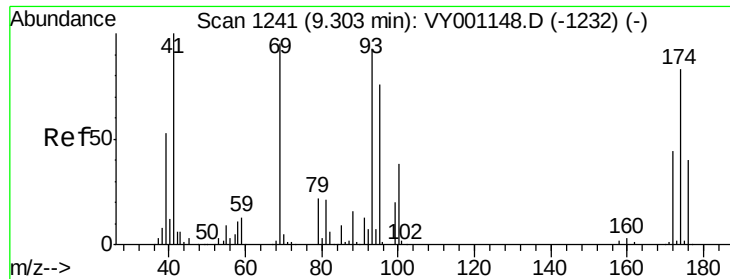
Abundance

Ion 41.00 (40.70 to 41.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 39.00 (38.70 to 39.70): VY0





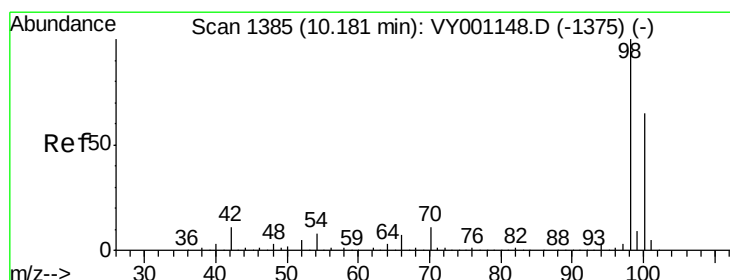
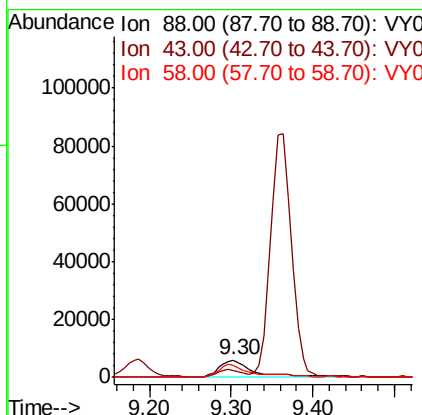
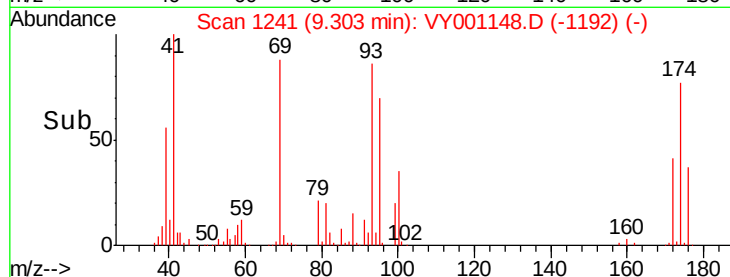
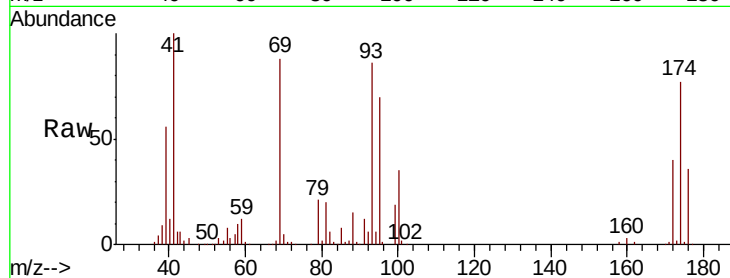
#49
 1,4-Dioxane
 Concen: 874.633 ug/l
 RT: 9.30 min Scan# 1241
 Delta R.T. 0.00 min
 Lab File: VY001148.D
 Acq: 10 Jan 2020 15:02

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Tot Ion	88	Resp	17945
Ion	Ratio	Lower	Upper
88	100		
43	28.0	22.4	33.6
58	72.5	58.0	87.0

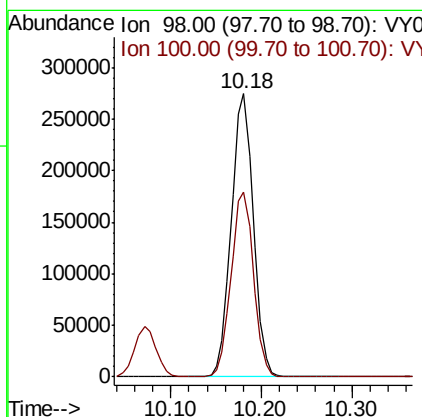
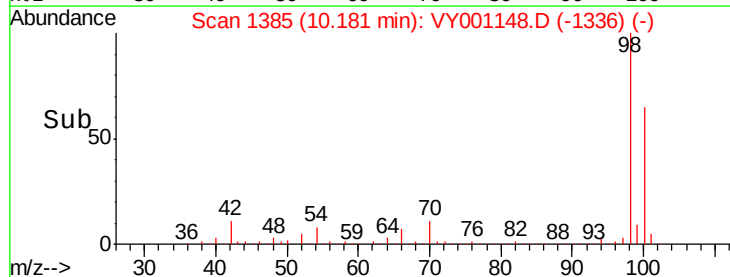
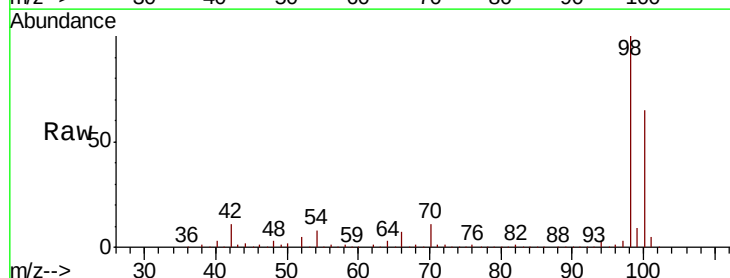
Manual Integrations
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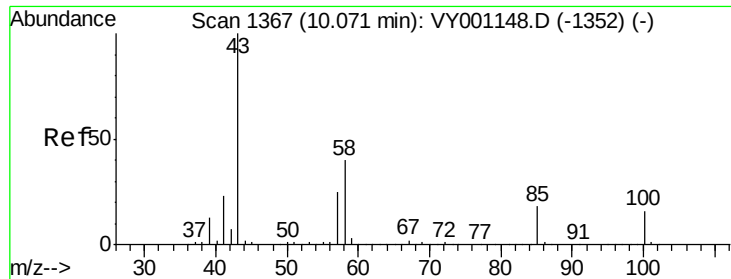
MMDadoda
 1/13/2020 12:38:57 PM



#50
 Toluene-d8
 Concen: 55.544 ug/l
 RT: 10.18 min Scan# 1385
 Delta R.T. 0.00 min
 Lab File: VY001148.D
 Acq: 10 Jan 2020 15:02

Tgt Ion	98	Resp	462779
Ion	Ratio	Lower	Upper
98	100		
100	66.4	53.1	79.7





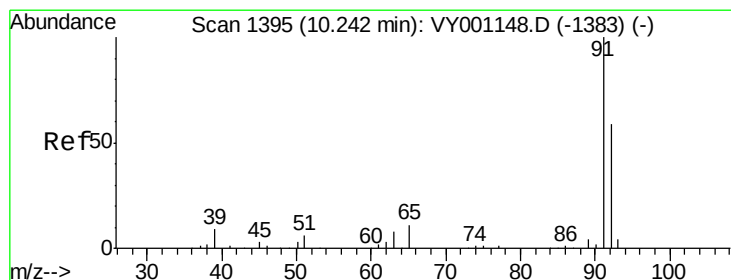
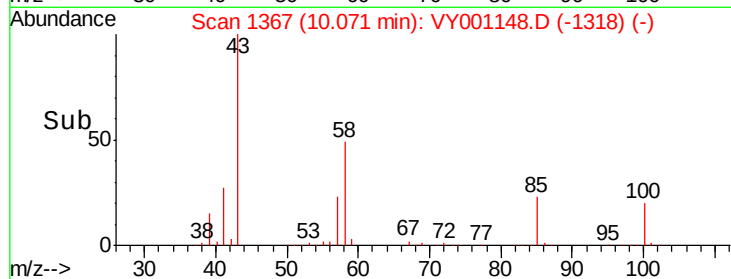
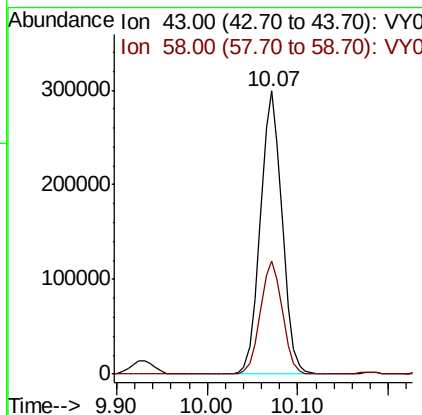
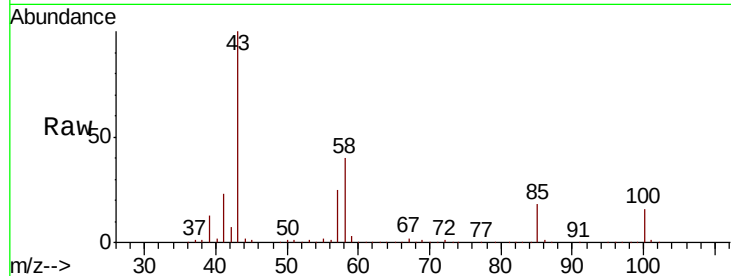
#51
4-Methyl-2-Pentanone
Concen: 341.708 ug/l
RT: 10.07 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VY001148.D
Acq: 10 Jan 2020 15:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	43	58	Resp	Lower	Upper
43	100				
58	40.4		32.3	48.5	

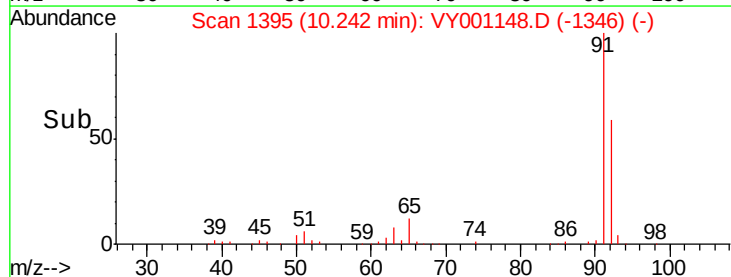
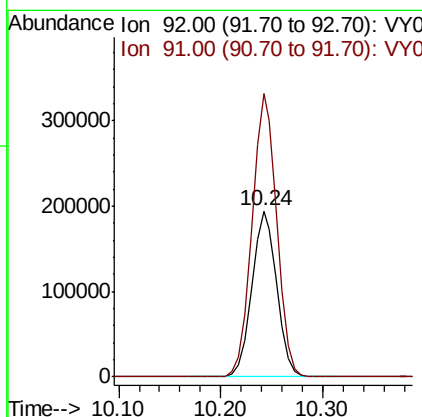
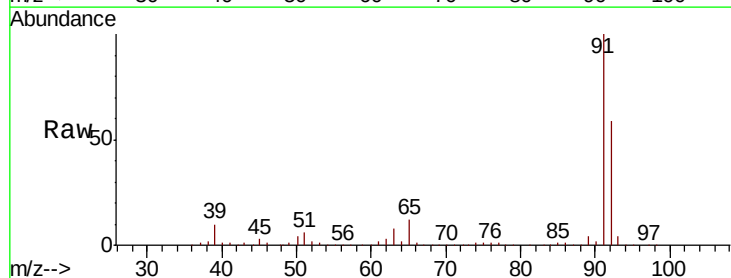
Manual Integrations
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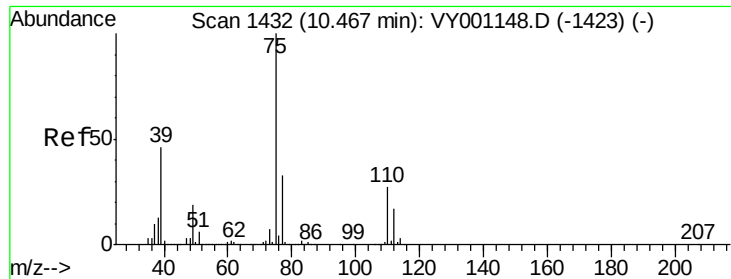
MMDadoda
1/13/2020 12:38:57 PM



#52
Toluene
Concen: 50.899 ug/l
RT: 10.24 min Scan# 1395
Delta R.T. 0.00 min
Lab File: VY001148.D
Acq: 10 Jan 2020 15:02

Tgt Ion	92	91	Resp	Lower	Upper
92	100				
91	170.7		136.6	204.8	





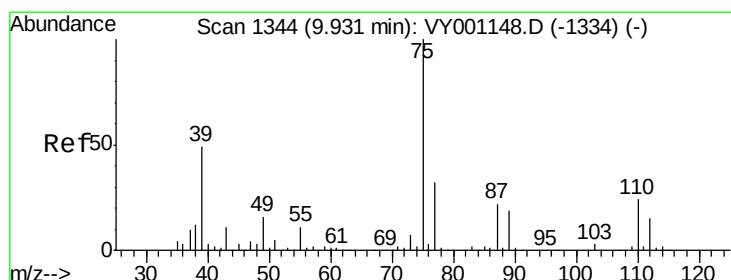
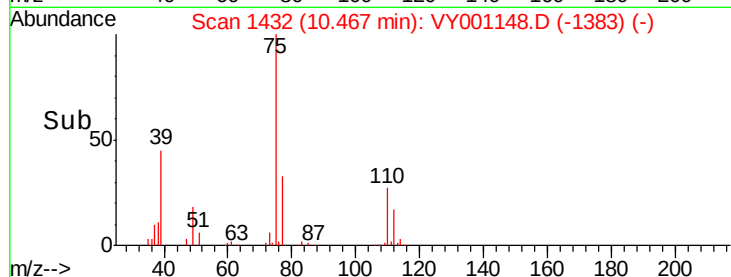
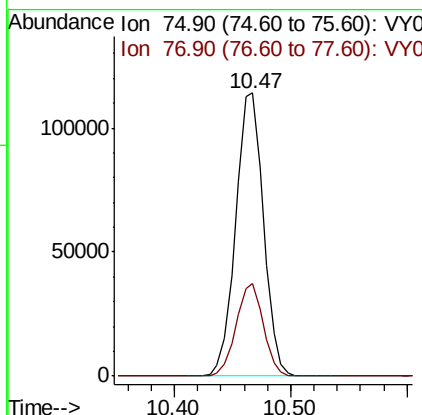
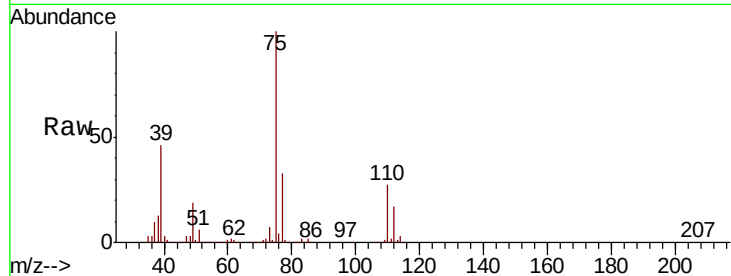
#53
 t-1,3-Dichloropropene
 Concen: 56.918 ug/l
 RT: 10.47 min Scan# 1432
 Delta R.T. 0.00 min
 Lab File: VY001148.D
 Acq: 10 Jan 2020 15:02

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.7	26.2	39.2

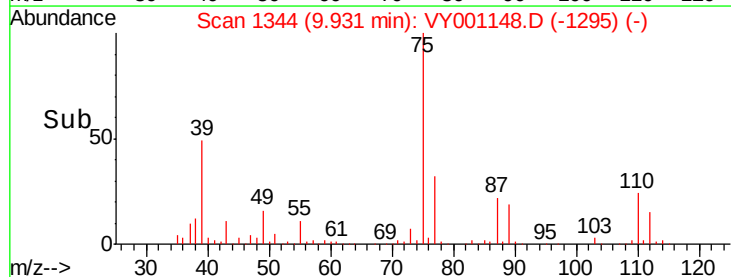
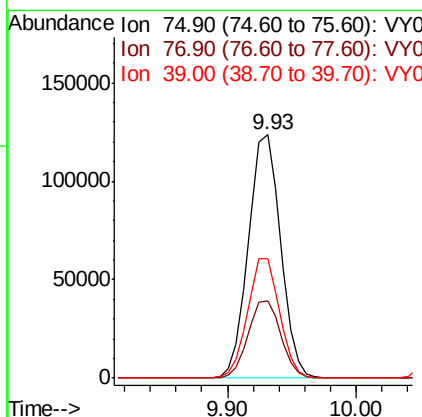
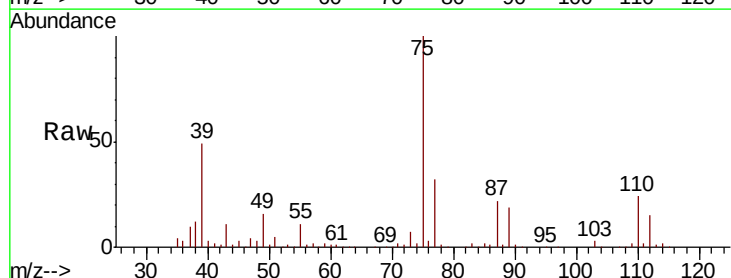
Manual Integrations
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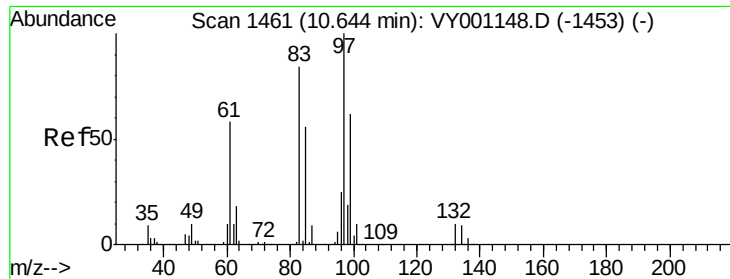
MMDadoda
 1/13/2020 12:38:57 PM



#54
 cis-1,3-Dichloropropene
 Concen: 54.386 ug/l
 RT: 9.93 min Scan# 1344
 Delta R.T. 0.00 min
 Lab File: VY001148.D
 Acq: 10 Jan 2020 15:02

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.3	37.9
39	48.9	39.1	58.7





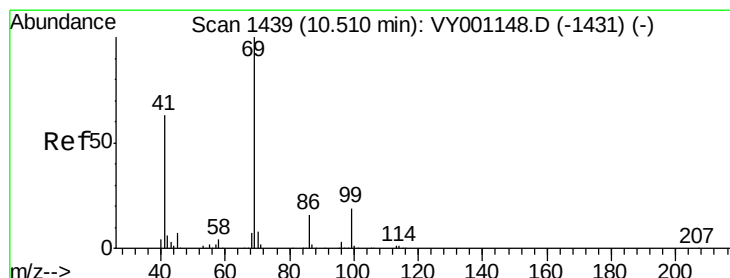
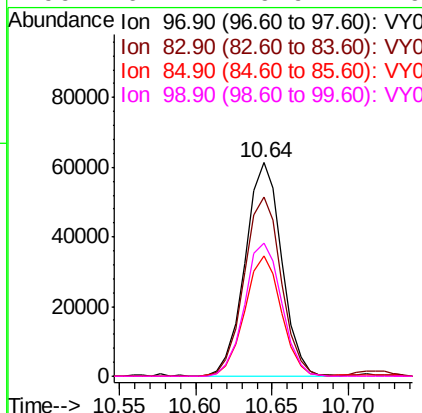
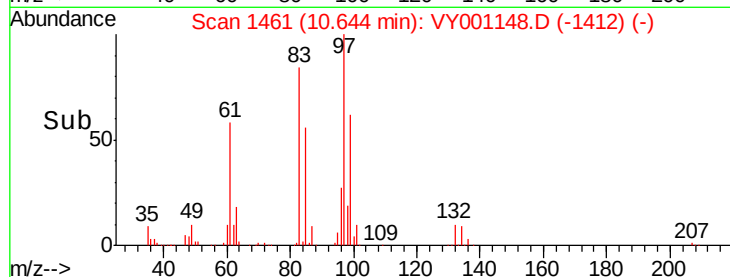
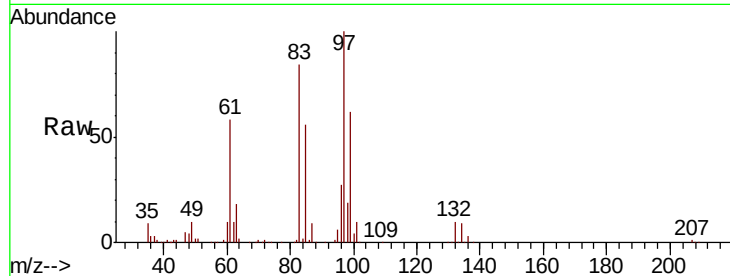
#55
 1,1,2-Trichloroethane
 Concen: 51.323 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. 0.00 min
 Lab File: VY001148.D
 Acq: 10 Jan 2020 15:02

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Tot Ion:	97	Resp:	102089
Ion	Ratio	Lower	Upper
97	100		
83	84.0	67.2	100.8
85	56.1	44.9	67.3
99	62.4	49.9	74.9

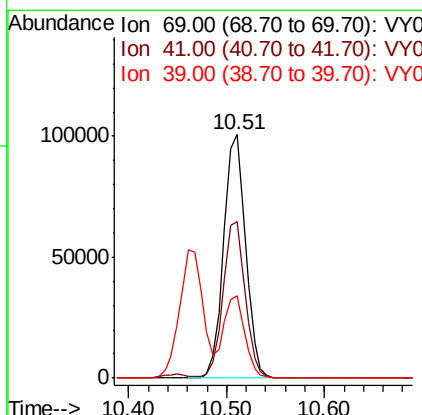
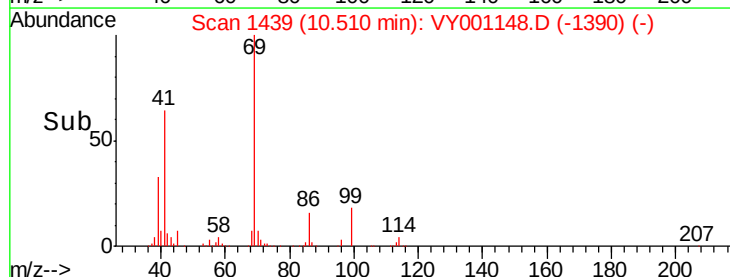
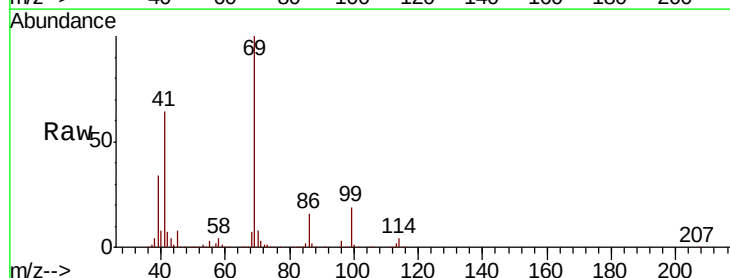
Manual Integrations
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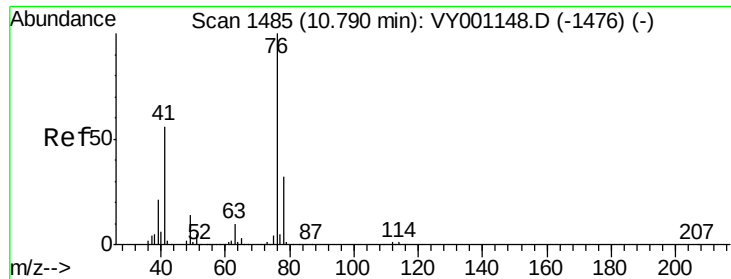
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 1/13/2020 12:38:57 PM



#56
 Ethyl methacrylate
 Concen: 59.543 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. 0.00 min
 Lab File: VY001148.D
 Acq: 10 Jan 2020 15:02

Tgt Ion:	69	Resp:	156948
Ion	Ratio	Lower	Upper
69	100		
41	64.3	51.4	77.2
39	32.9	26.3	39.5





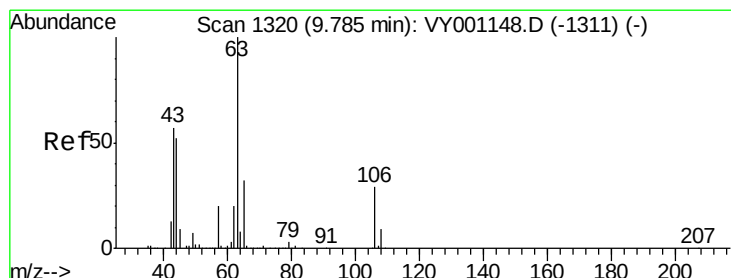
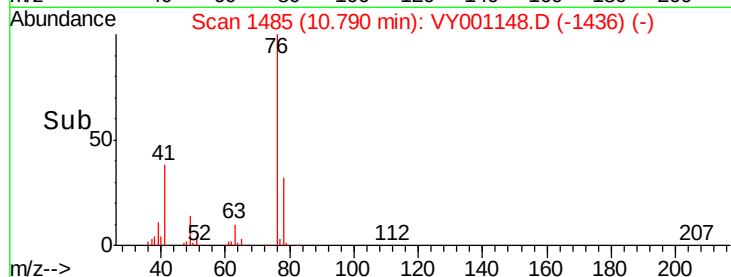
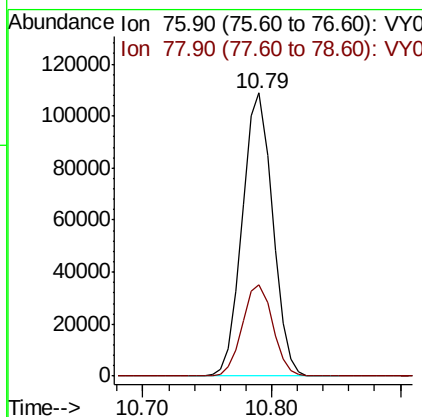
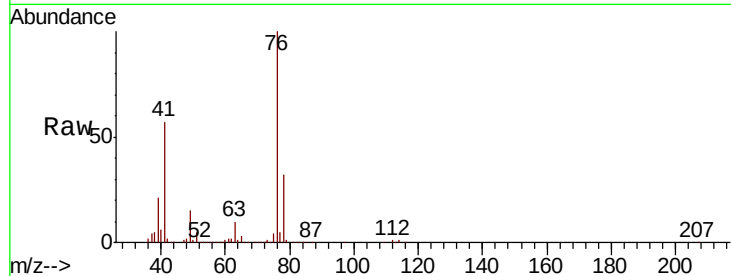
#57
 1,3-Dichloropropane
 Concen: 56.277 ug/l
 RT: 10.79 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VY001148.D
 Acq: 10 Jan 2020 15:02

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.6	26.1	39.1

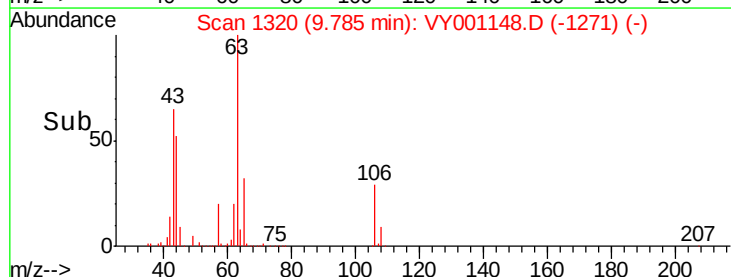
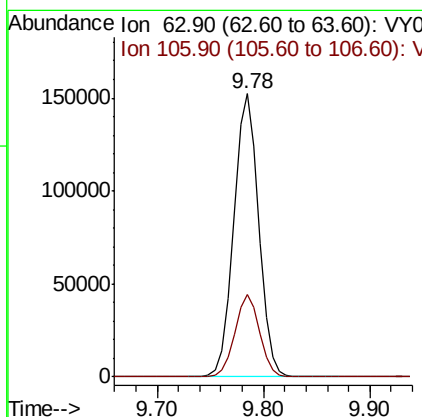
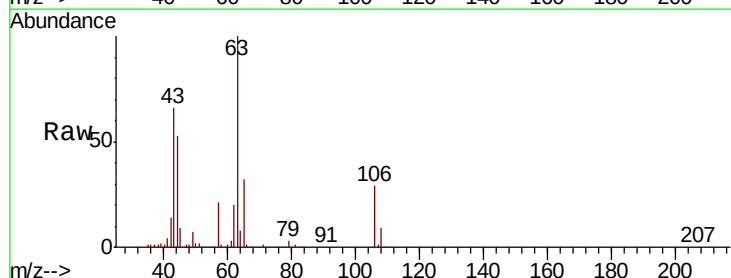
Manual Integrations
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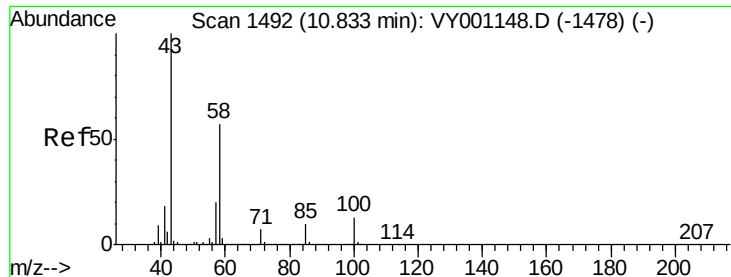
MMDadoda
 1/13/2020 12:38:57 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 263.659 ug/l
 RT: 9.78 min Scan# 1320
 Delta R.T. 0.00 min
 Lab File: VY001148.D
 Acq: 10 Jan 2020 15:02

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.8	23.0	34.6





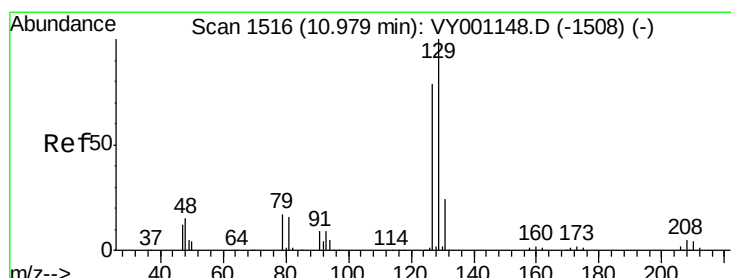
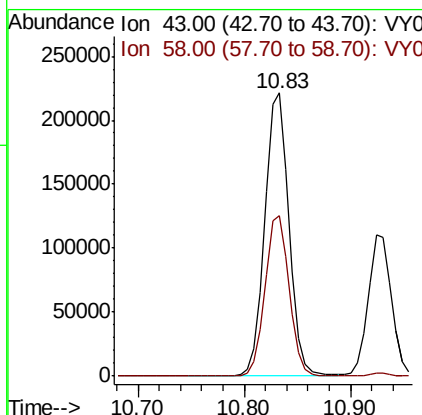
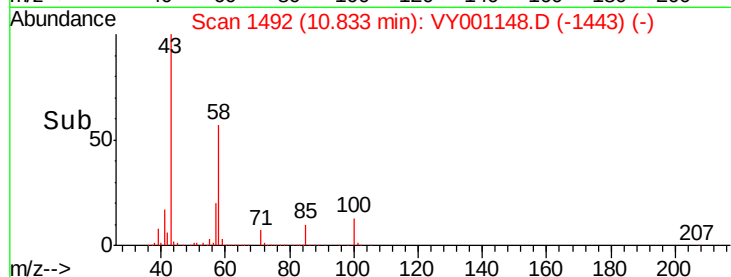
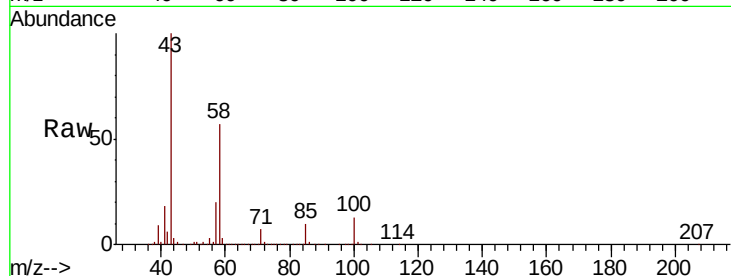
#59
2-Hexanone
Concen: 363.627 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VY001148.D
Acq: 10 Jan 2020 15:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 351502
Ion Ratio Lower Upper
43 100
58 56.8 28.4 85.2

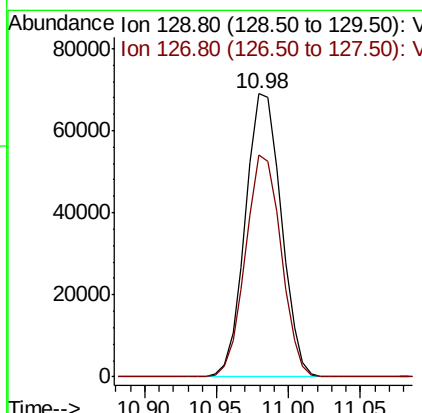
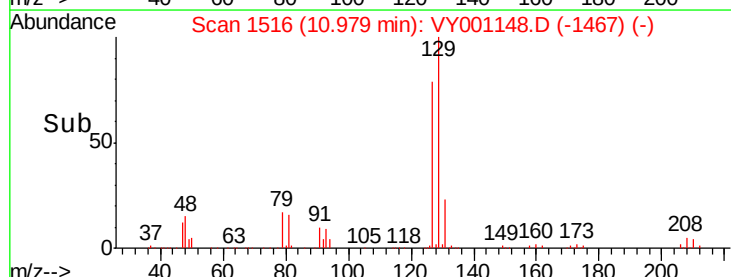
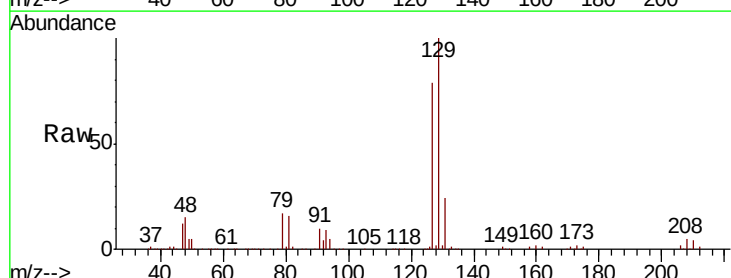
Manual Integrations
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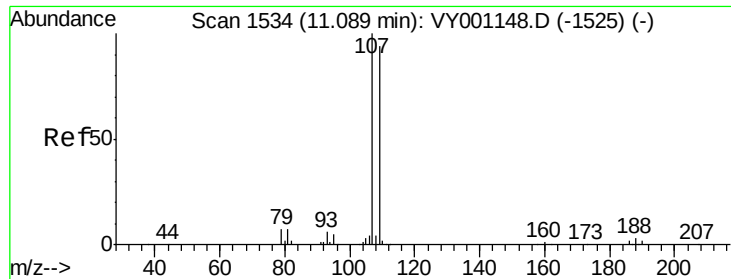
MMDadoda
1/13/2020 12:38:57 PM



#60
Dibromochloromethane
Concen: 52.535 ug/l
RT: 10.98 min Scan# 1516
Delta R.T. 0.00 min
Lab File: VY001148.D
Acq: 10 Jan 2020 15:02

Tgt Ion: 129 Resp: 119191
Ion Ratio Lower Upper
129 100
127 77.8 38.9 116.7





#61

1,2-Dibromoethane

Concen: 51.872 ug/l

RT: 11.09 min Scan# 1534

Delta R.T. 0.00 min

Lab File: VY001148.D

Acq: 10 Jan 2020 15:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tot Ion: 107 Resp: 99945

Ion Ratio Lower Upper

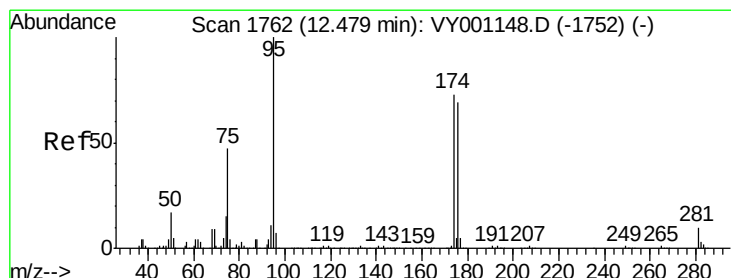
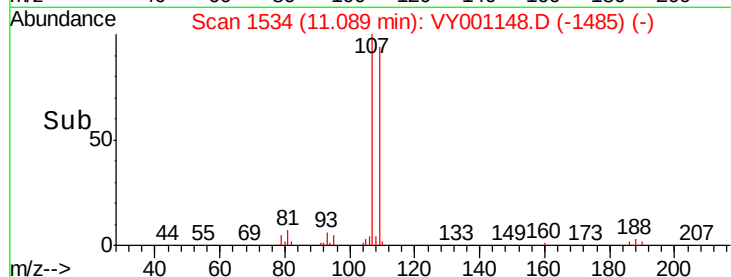
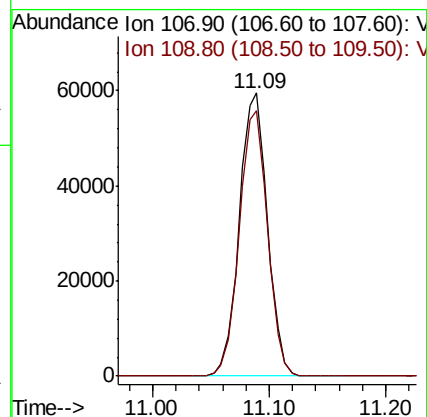
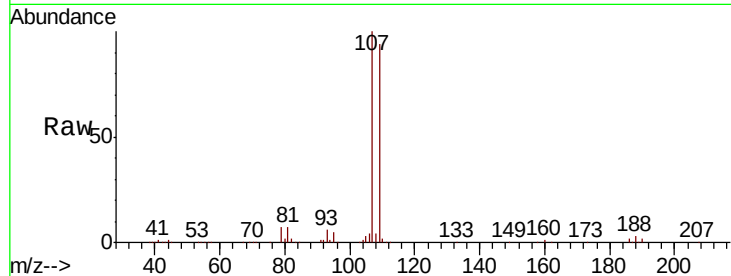
107 100

109 94.2 75.4 113.0

Manual Integrations
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MMDadoda

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#62

4-Bromofluorobenzene

Concen: 55.949 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY001148.D

Acq: 10 Jan 2020 15:02

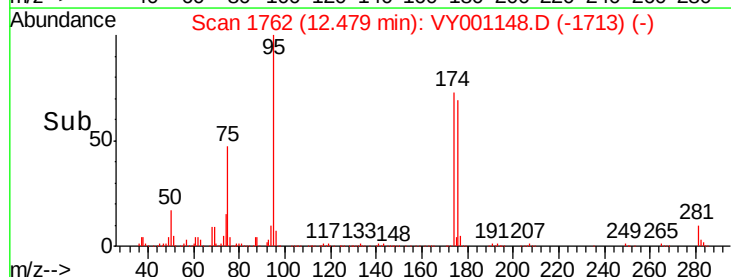
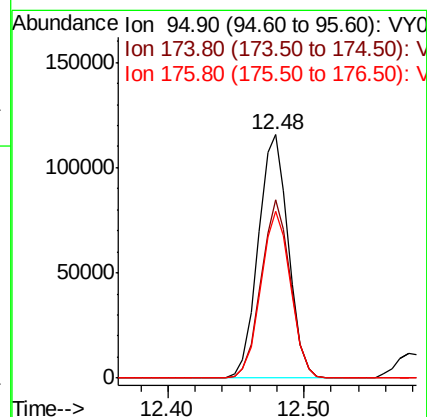
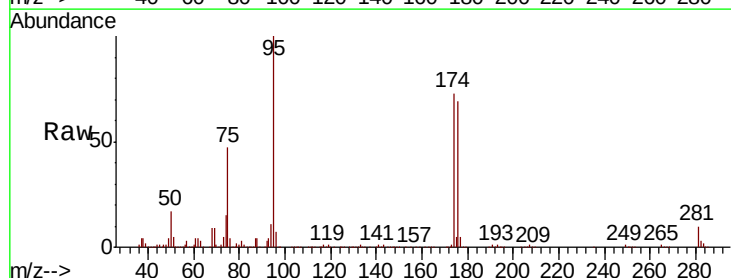
Tgt Ion: 95 Resp: 179322

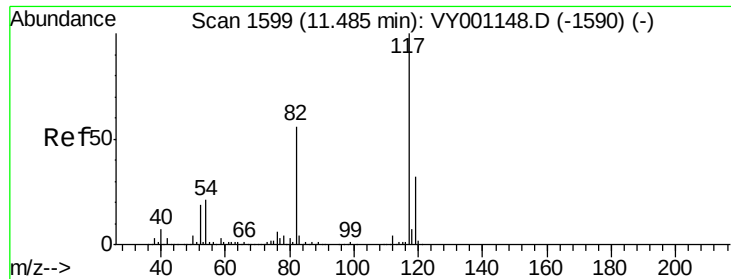
Ion Ratio Lower Upper

95 100

174 71.6 0.0 143.2

176 68.0 0.0 136.0





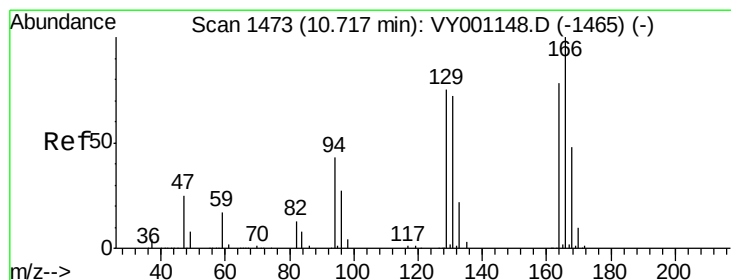
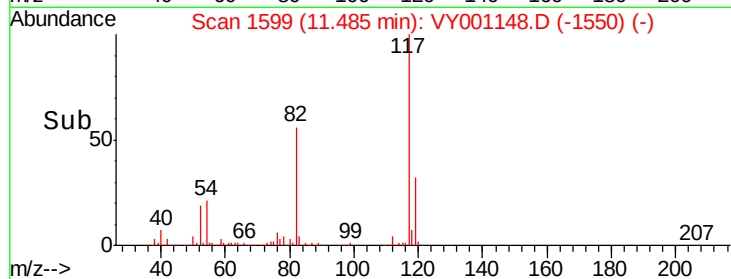
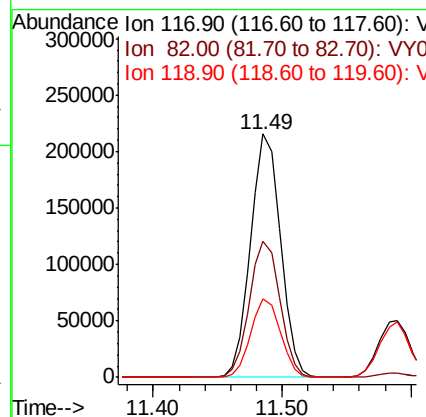
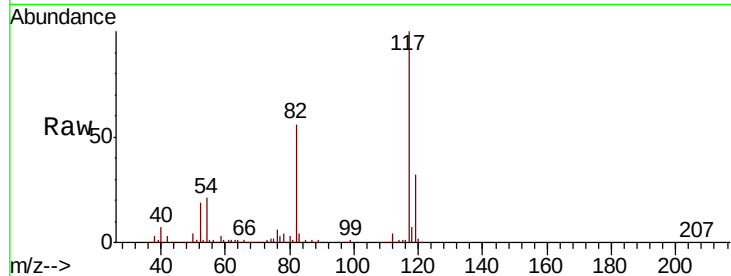
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VY001148.D
Acq: 10 Jan 2020 15:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100			
82	56.1	44.9	67.3	
119	32.1	25.7	38.5	

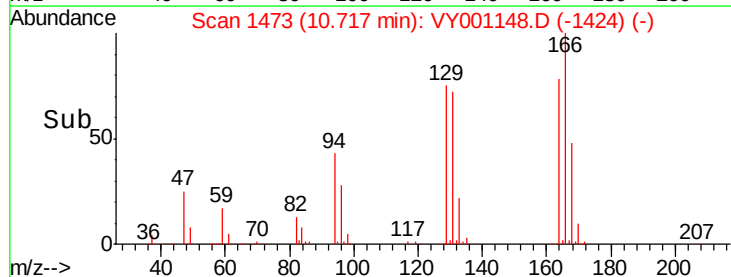
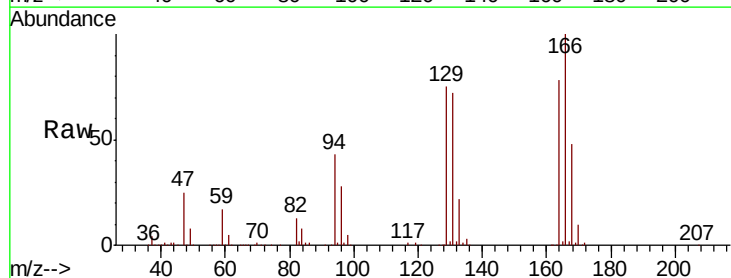
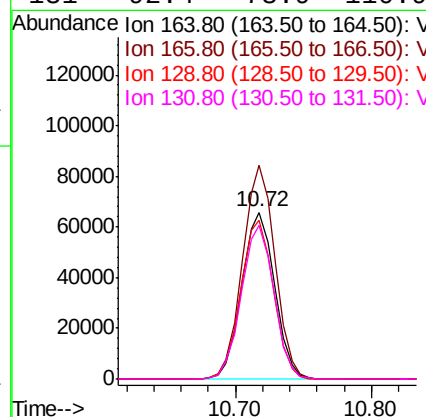
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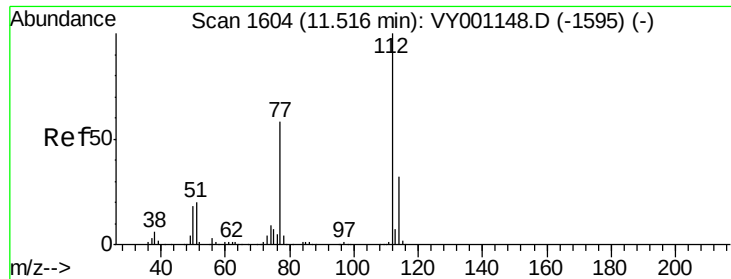
MMDadoda
1/13/2020 12:38:57 PM



#64
Tetrachloroethene
Concen: 36.296 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VY001148.D
Acq: 10 Jan 2020 15:02

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
166	127.9	102.3	153.5	
129	95.3	76.2	114.4	
131	92.4	73.9	110.9	





#65

Chlorobenzene

Concen: 47.008 ug/l

RT: 11.52 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VY001148.D

Acq: 10 Jan 2020 15:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tot Ion:112 Resp: 341337

Ion Ratio Lower Upper

112 100

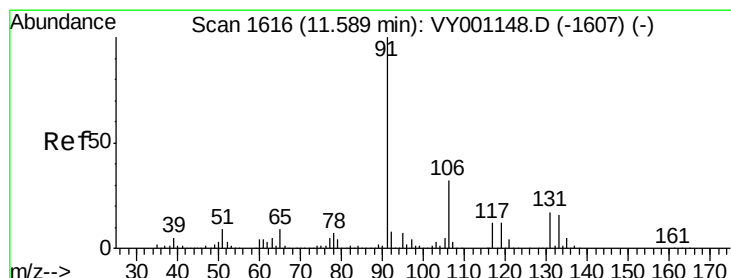
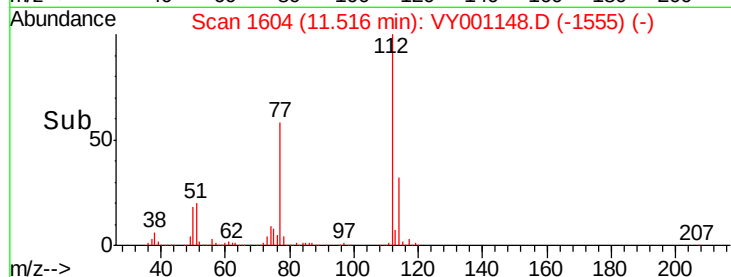
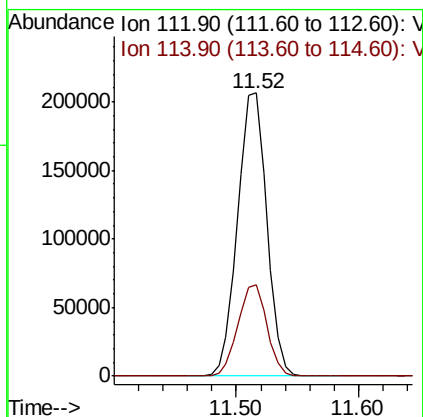
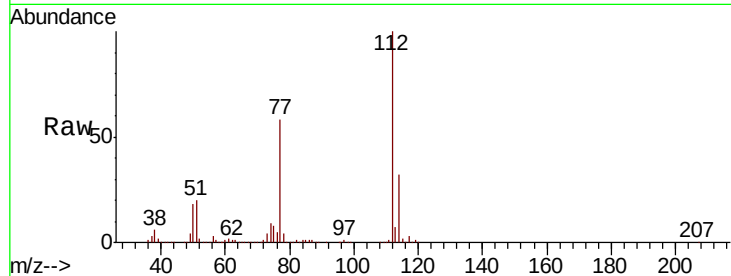
114 32.4 25.9 38.9

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 46.648 ug/l

RT: 11.59 min Scan# 1616

Delta R.T. 0.00 min

Lab File: VY001148.D

Acq: 10 Jan 2020 15:02

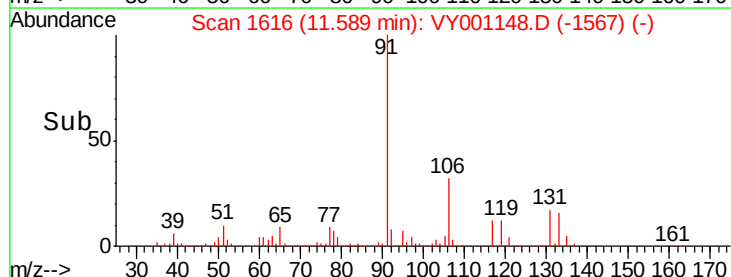
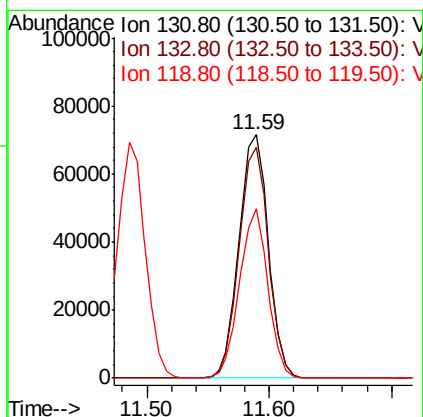
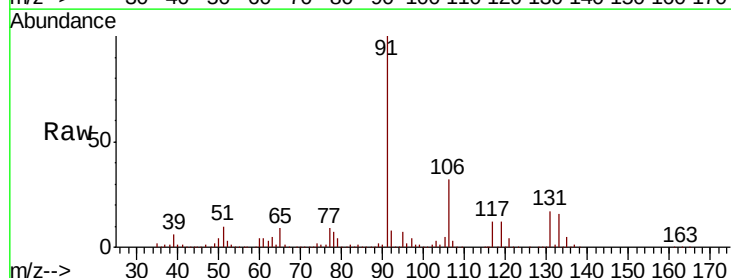
Tgt Ion:131 Resp: 119034

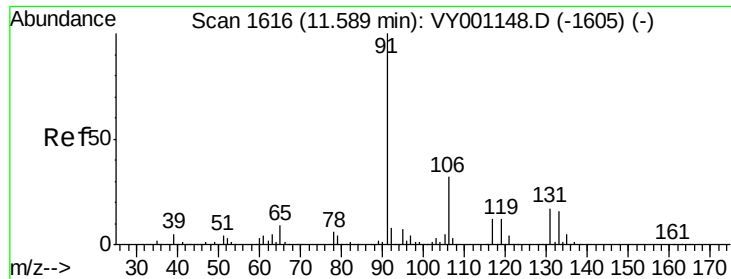
Ion Ratio Lower Upper

131 100

133 94.7 47.3 142.0

119 67.2 33.6 100.8





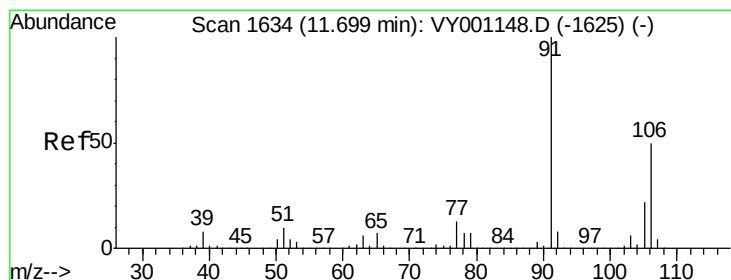
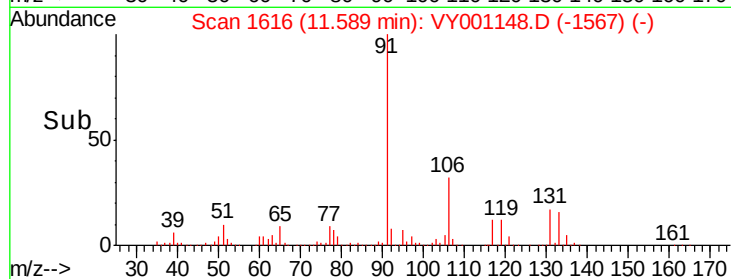
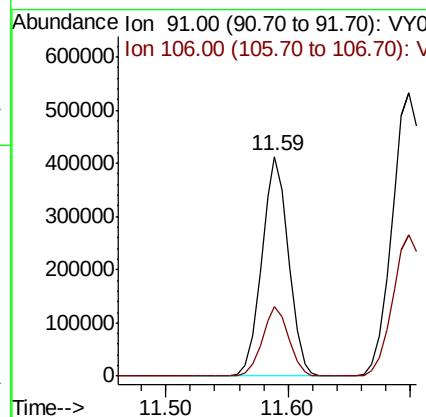
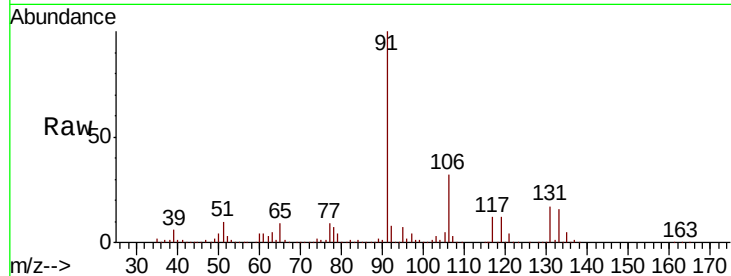
#67
Ethyl Benzene
Concen: 49.357 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VY001148.D
Acq: 10 Jan 2020 15:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 628301
Ion Ratio Lower Upper
91 100
106 31.6 25.3 37.9

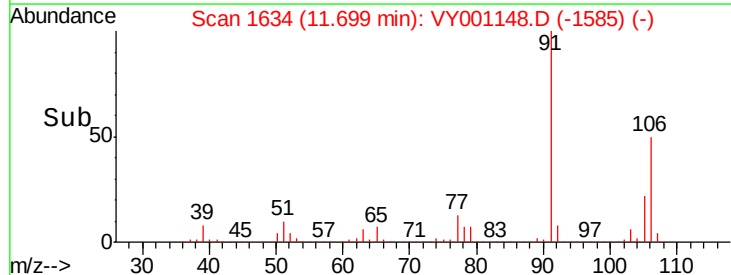
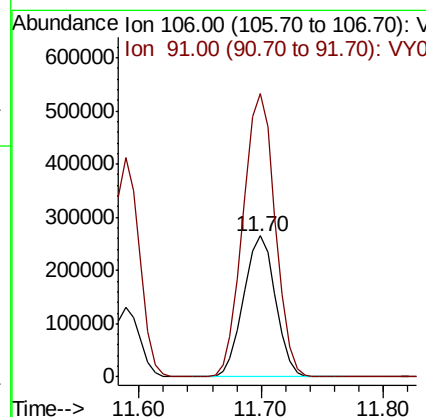
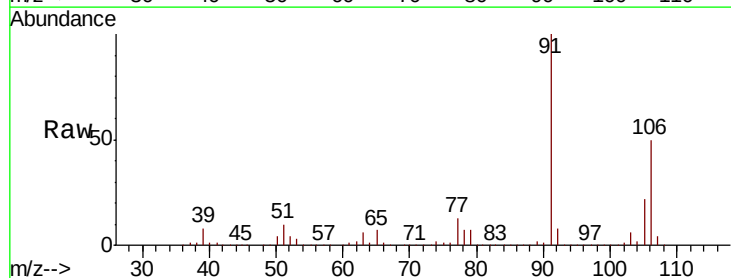
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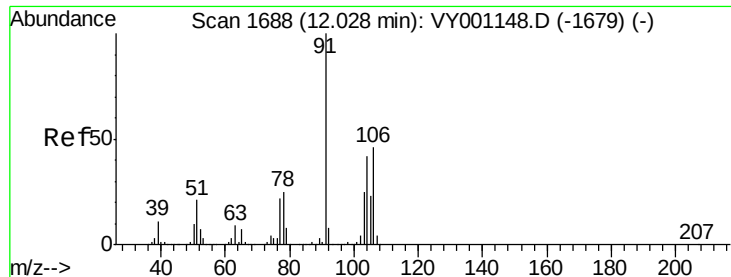
MMDadoda
1/13/2020 12:38:57 PM



#68
m/p-Xylenes
Concen: 95.738 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VY001148.D
Acq: 10 Jan 2020 15:02

Tgt Ion: 106 Resp: 480938
Ion Ratio Lower Upper
106 100
91 201.8 161.4 242.2





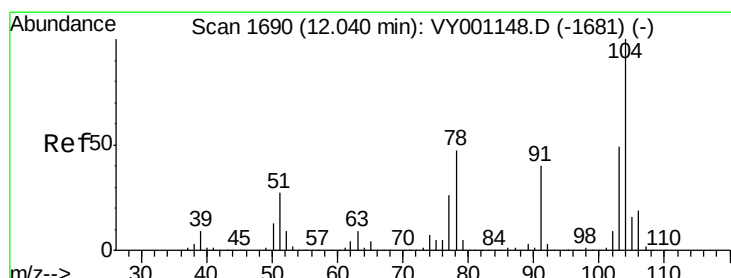
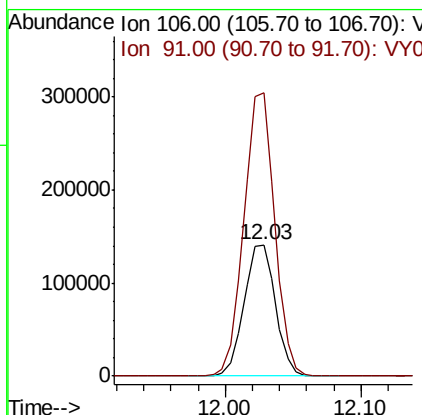
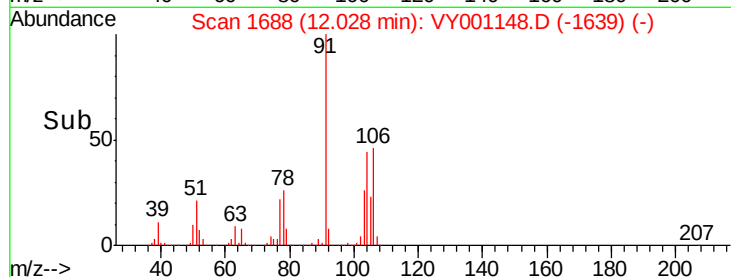
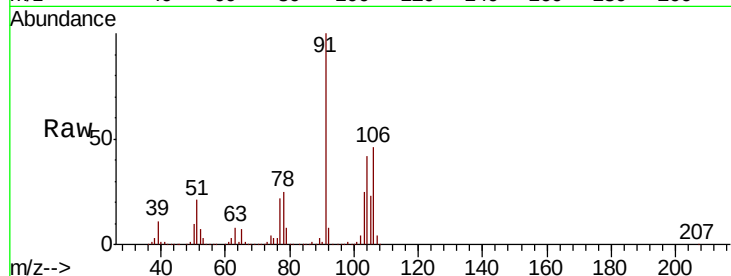
#69
o-Xylene
Concen: 47.596 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VY001148.D
Acq: 10 Jan 2020 15:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	212.5	106.3	318.8	

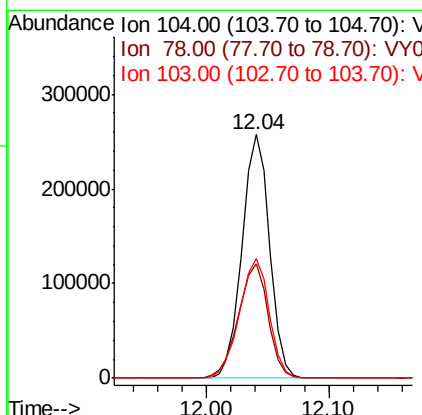
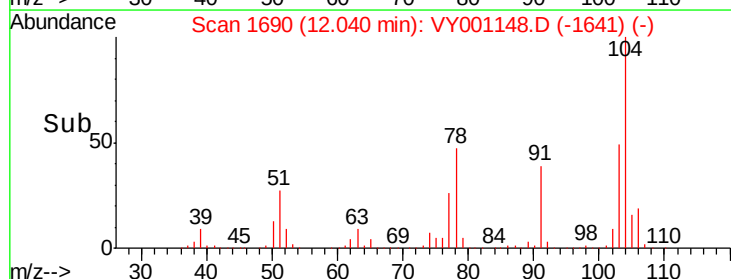
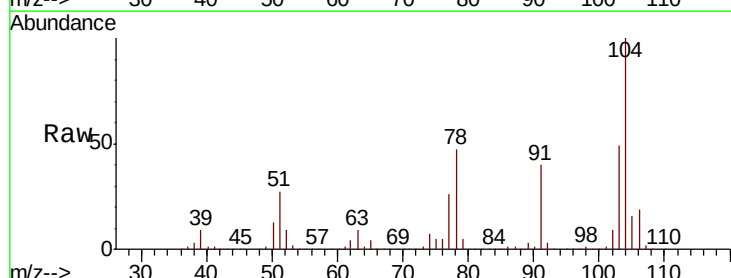
Manual Integrations
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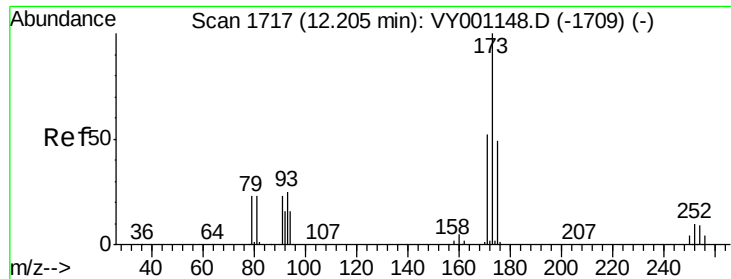
MMDadoda
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#70
Styrene
Concen: 49.583 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VY001148.D
Acq: 10 Jan 2020 15:02

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	50.6	40.5	60.7	
103	53.0	42.4	63.6	





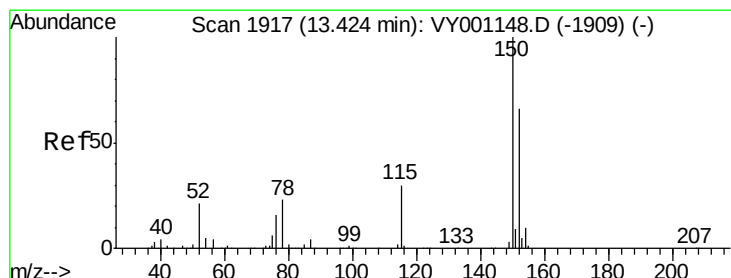
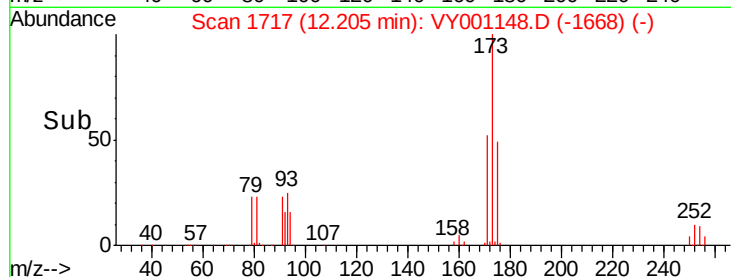
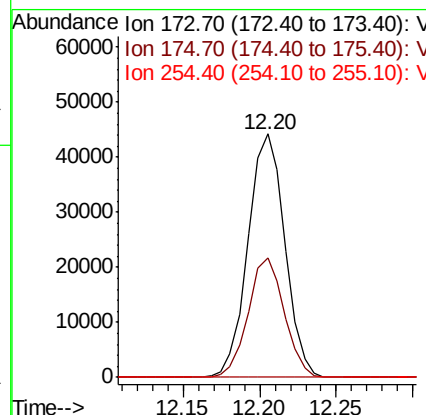
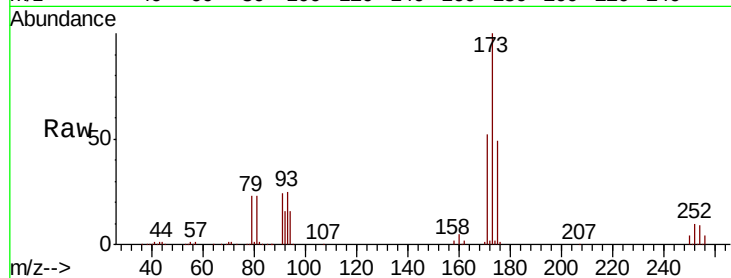
#71
Bromoform
Concen: 48.495 ug/l
RT: 12.20 min Scan# 1717
Delta R.T. 0.00 min
Lab File: VY001148.D
Acq: 10 Jan 2020 15:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.1	24.1	72.2
254	0.1	0.1	0.1

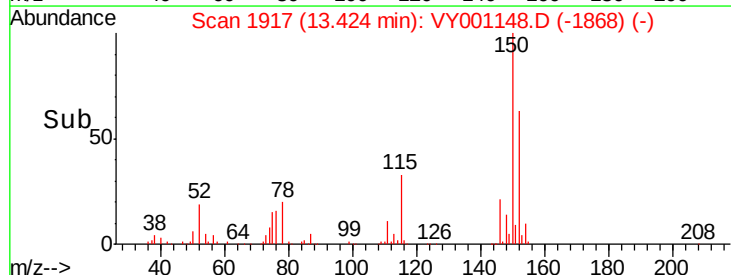
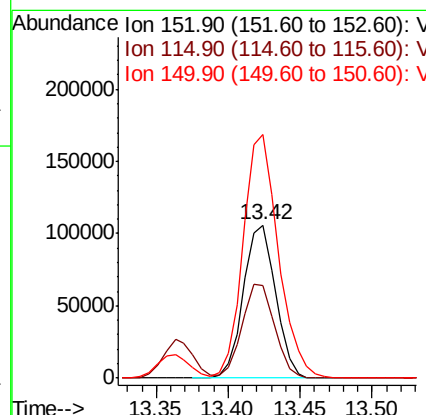
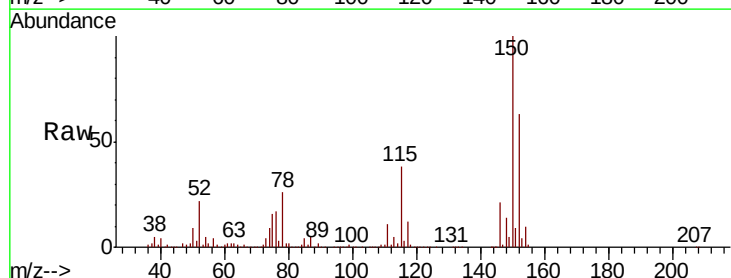
Manual Integrations
APPROVED

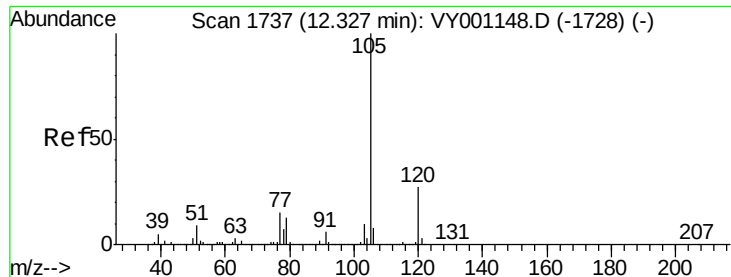
MMDadoda
1/13/2020 12:38:57 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VY001148.D
Acq: 10 Jan 2020 15:02

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.7	30.9	92.5
150	173.4	0.0	346.8





#73

Isopropylbenzene

Concen: 49.520 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VY001148.D

Acq: 10 Jan 2020 15:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tot Ion: 105 Resp: 611457

Ion Ratio Lower Upper

105 100

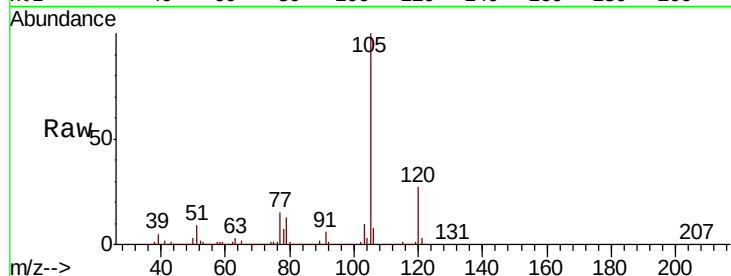
120 26.8 13.4 40.2

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.33

400000

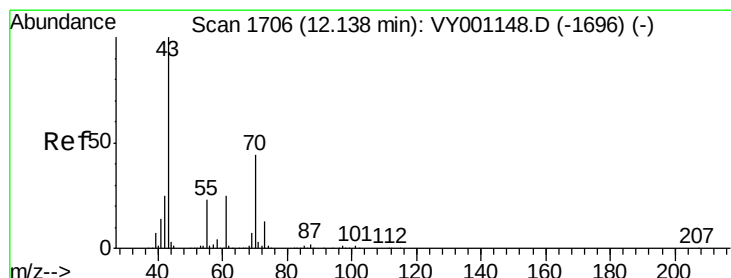
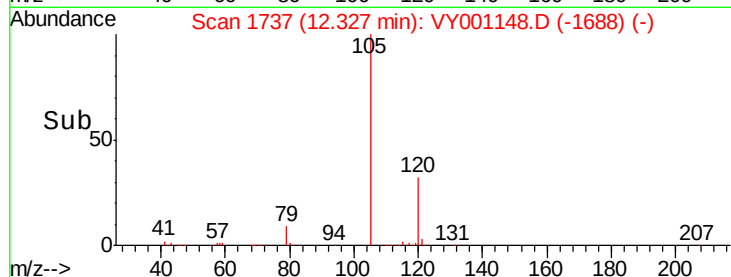
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 74.222 ug/l

RT: 12.14 min Scan# 1706

Delta R.T. 0.00 min

Lab File: VY001148.D

Acq: 10 Jan 2020 15:02

Tgt Ion: 43 Resp: 192760

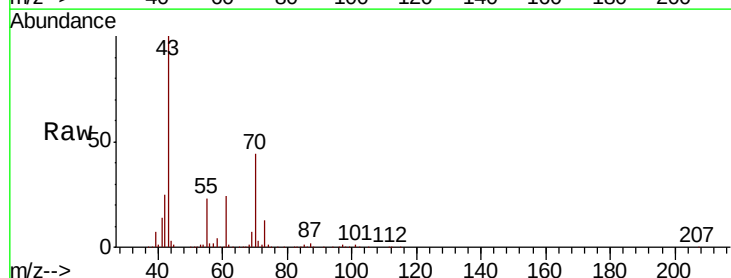
Ion Ratio Lower Upper

43 100

70 43.8 35.0 52.6

55 23.0 18.4 27.6

61 25.1 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

200000

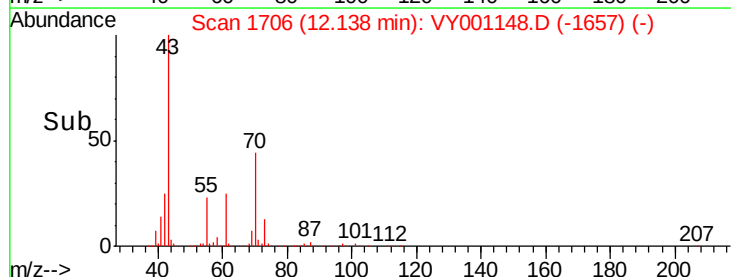
150000

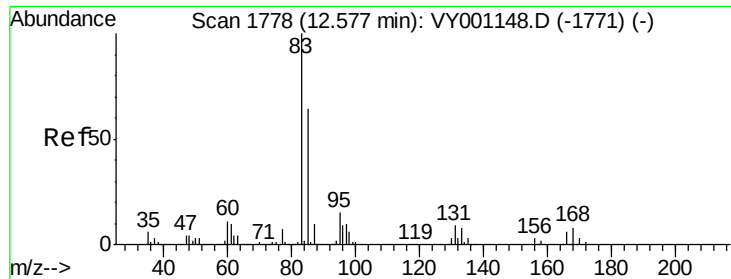
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 56.179 ug/l

RT: 12.58 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VY001148.D

Acq: 10 Jan 2020 15:02

Instrument :

MSVOA_Y

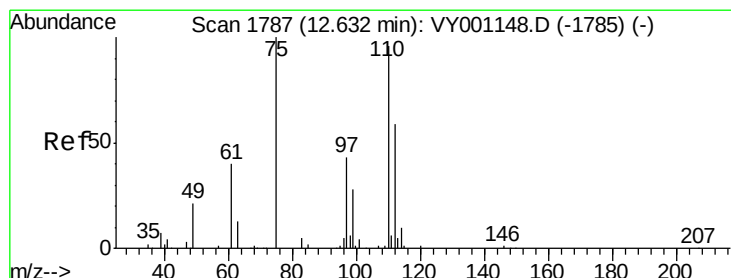
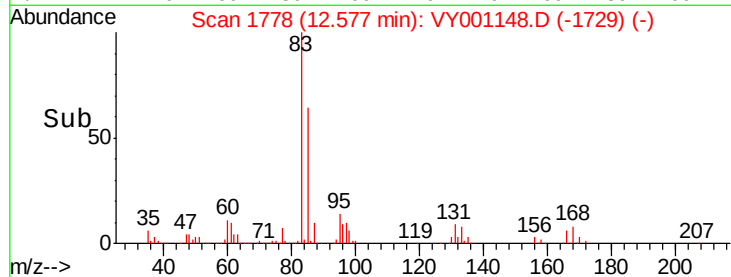
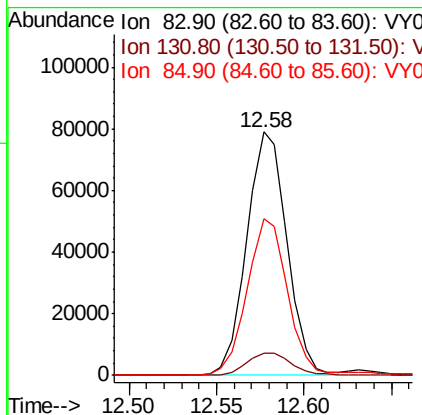
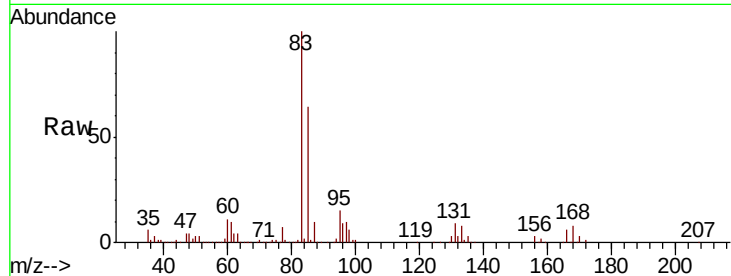
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	126963
Ion Ratio	Lower	Upper	
83	100		
131	10.2	5.1	15.3
85	64.4	32.2	96.6

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 48.211 ug/l m

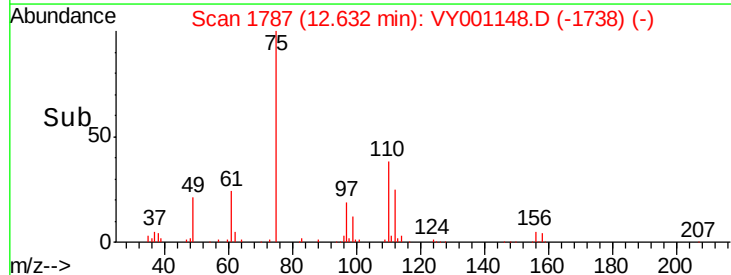
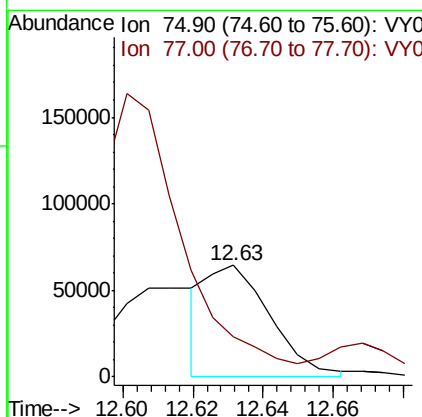
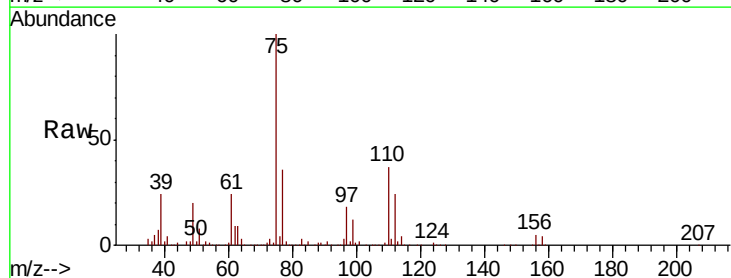
RT: 12.63 min Scan# 1787

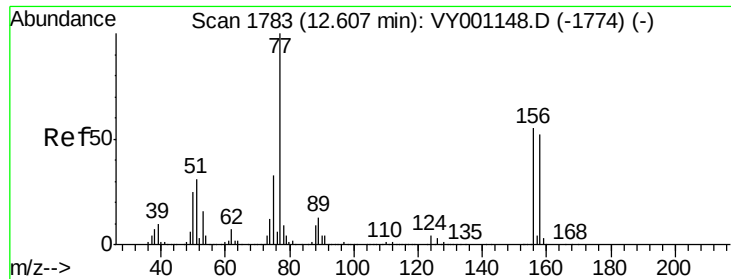
Delta R.T. 0.00 min

Lab File: VY001148.D

Acq: 10 Jan 2020 15:02

Tgt Ion:	75	Resp:	81847
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 45.610 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VY001148.D

Acq: 10 Jan 2020 15:02

Instrument :

MSVOA_Y

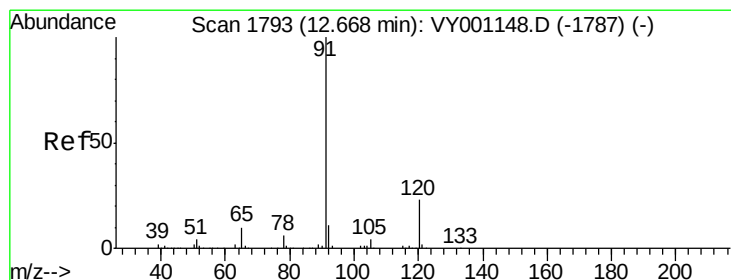
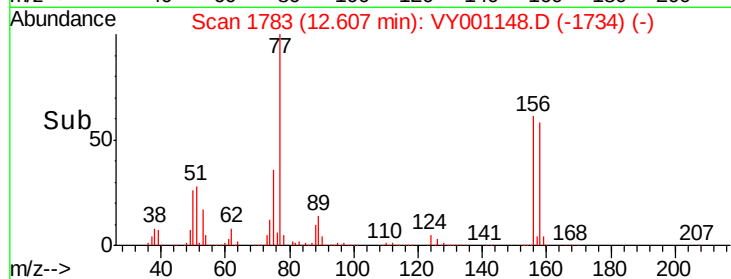
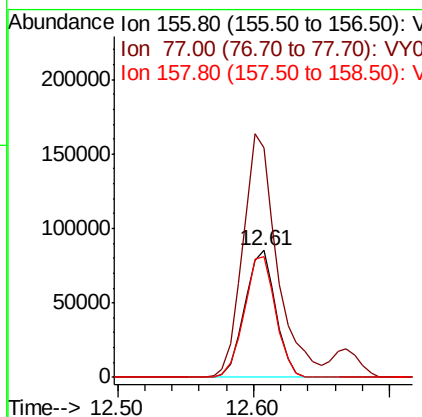
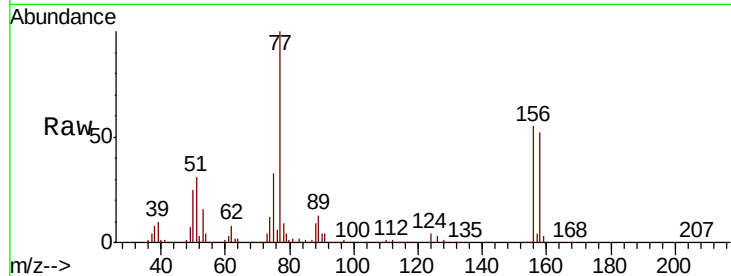
ClientSampleId :

VSTDICCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	213.4	106.7	320.1
158	96.5	48.3	144.8

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#78

n-propylbenzene

Concen: 50.473 ug/l

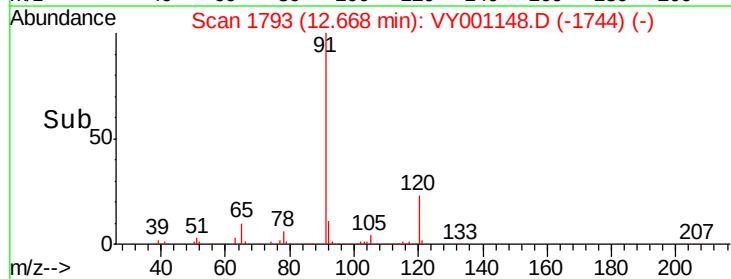
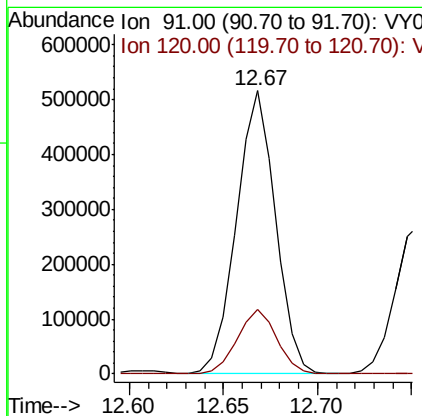
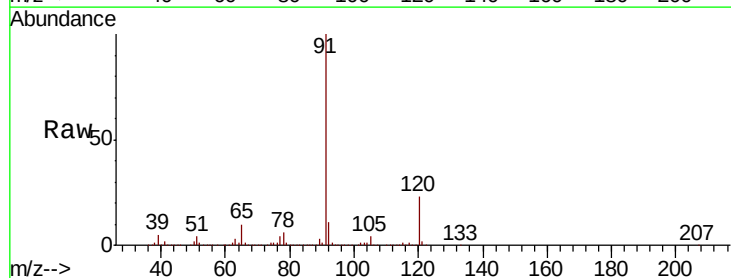
RT: 12.67 min Scan# 1793

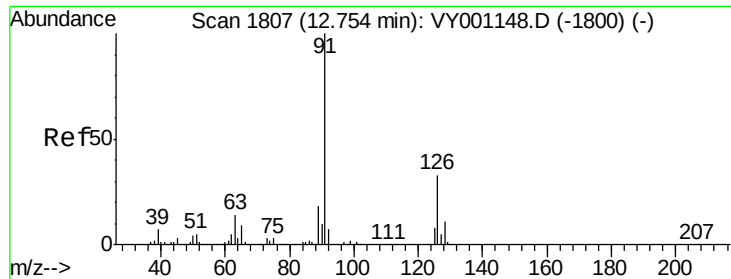
Delta R.T. 0.00 min

Lab File: VY001148.D

Acq: 10 Jan 2020 15:02

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.9	11.5	34.4





#79

2-Chlorotoluene

Concen: 51.625 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VY001148.D

Acq: 10 Jan 2020 15:02

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 422214

Ion Ratio Lower Upper

91 100

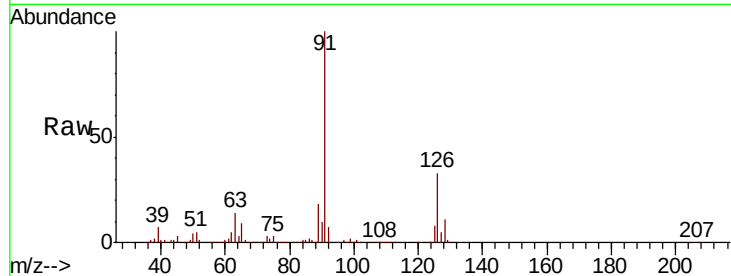
126 32.9 16.4 49.4

Manual Integrations

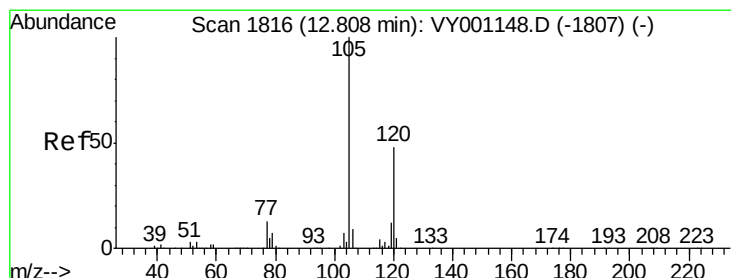
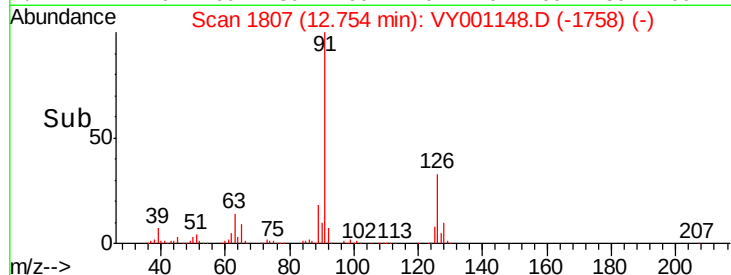
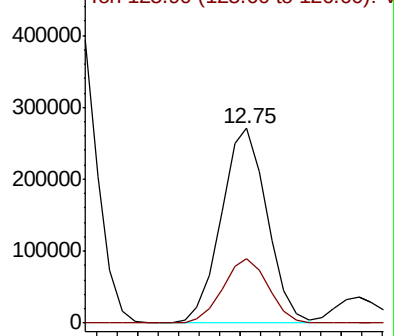
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Abundance Ion 91.00 (90.70 to 91.70): VY001148.D (-1800) (-)



#80

1,3,5-Trimethylbenzene

Concen: 49.567 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. 0.00 min

Lab File: VY001148.D

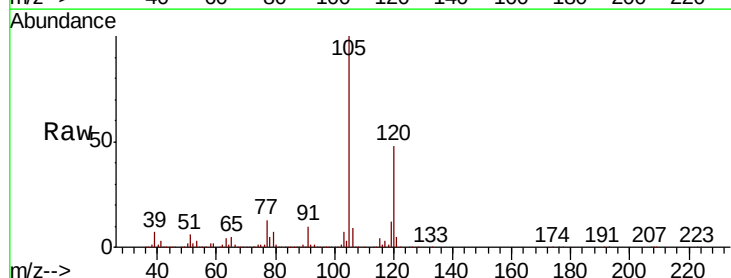
Acq: 10 Jan 2020 15:02

Tgt Ion: 105 Resp: 519502

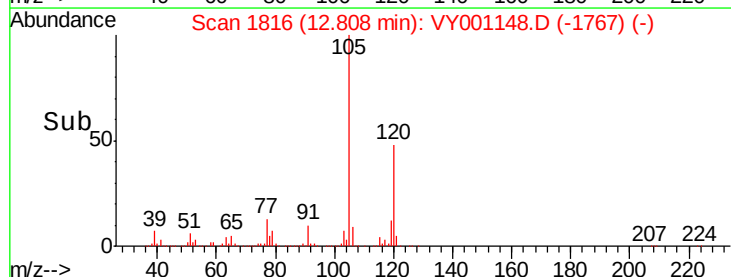
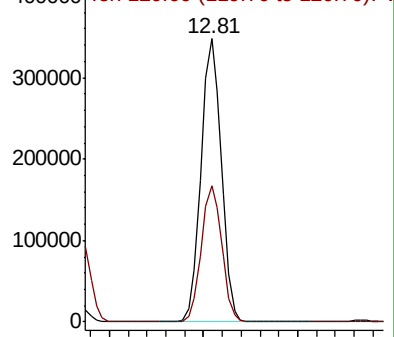
Ion Ratio Lower Upper

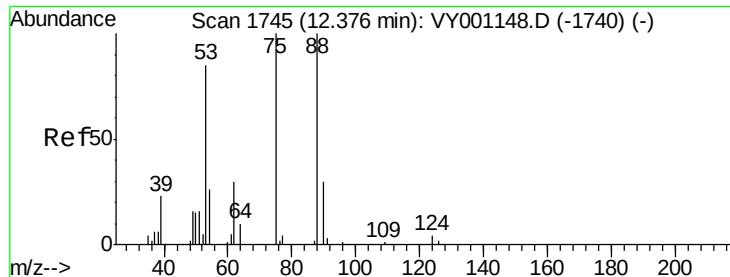
105 100

120 48.4 24.2 72.6



Abundance Ion 105.00 (104.70 to 105.70): VY001148.D (-1807) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 58.582 ug/l

RT: 12.38 min Scan# 1745

Delta R.T. 0.00 min

Lab File: VY001148.D

Acq: 10 Jan 2020 15:02

Instrument :

MSVOA_Y

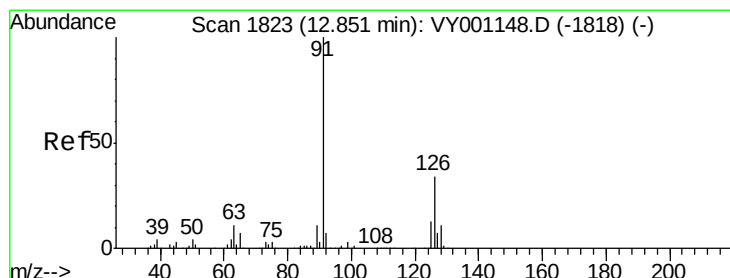
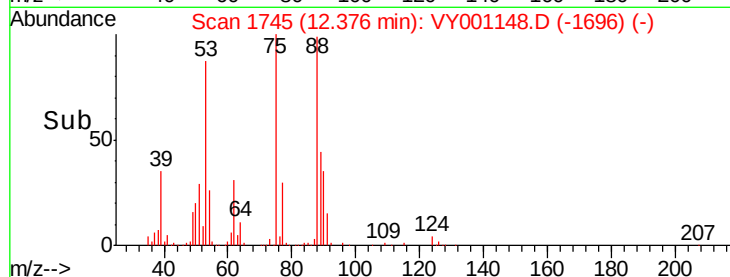
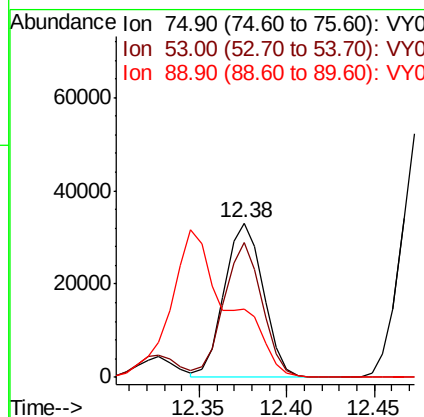
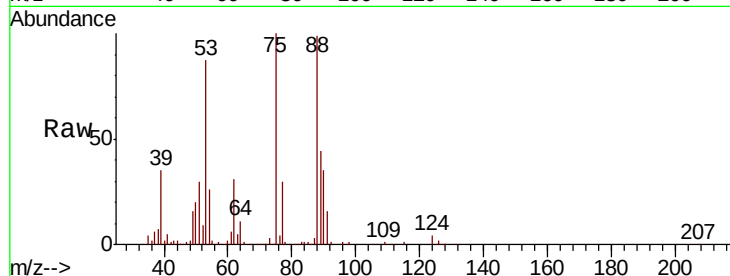
ClientSampleId :

VSTDICCC050

Tot Ion:	75	Resp:	50920
Ion	Ratio	Lower	Upper
75	100		
53	86.8	69.4	104.2
89	0.0	0.0	0.0

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#82

4-Chlorotoluene

Concen: 53.527 ug/l

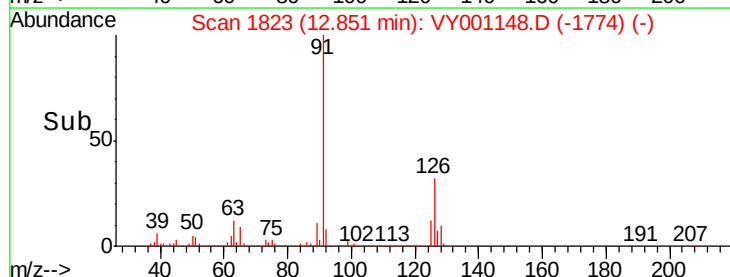
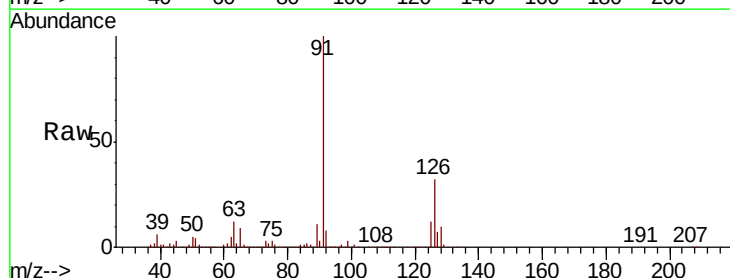
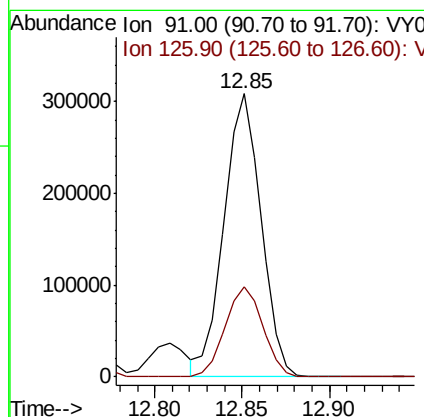
RT: 12.85 min Scan# 1823

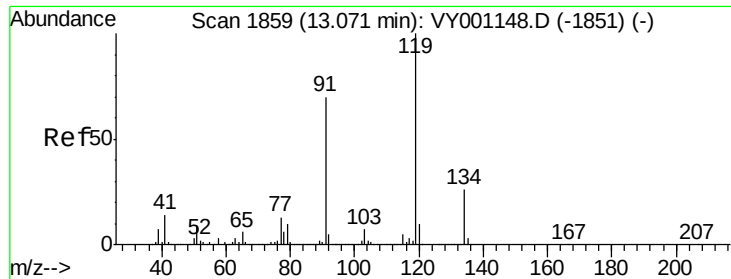
Delta R.T. 0.00 min

Lab File: VY001148.D

Acq: 10 Jan 2020 15:02

Tgt Ion:	91	Resp:	454064
Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.3	48.8





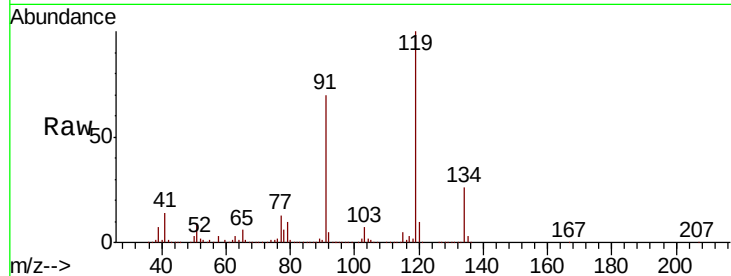
#83
tert-Butylbenzene
Concen: 48.676 ug/l
RT: 13.07 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VY001148.D
Acq: 10 Jan 2020 15:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

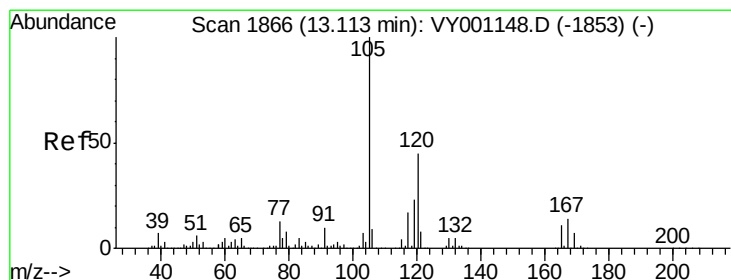
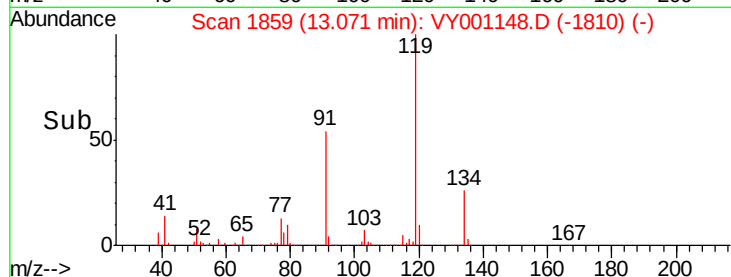
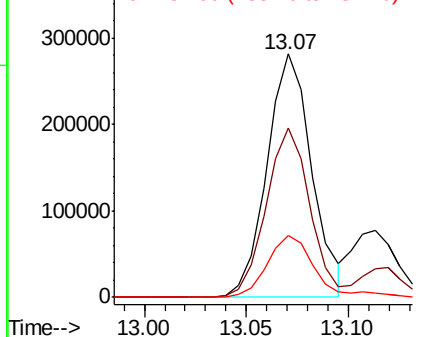
Tot Ion	Ratio	Lower	Upper
119	100		
91	67.8	33.9	101.7
134	26.9	13.5	40.4

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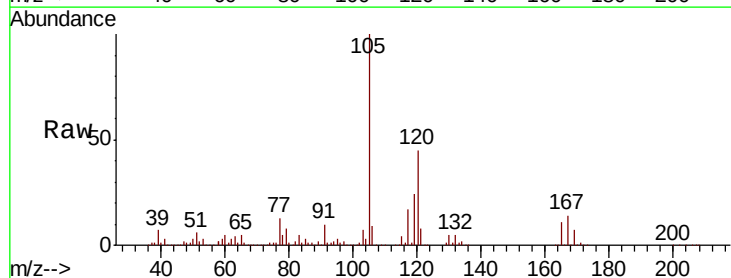


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VY0
Ion 134.00 (133.70 to 134.70): V

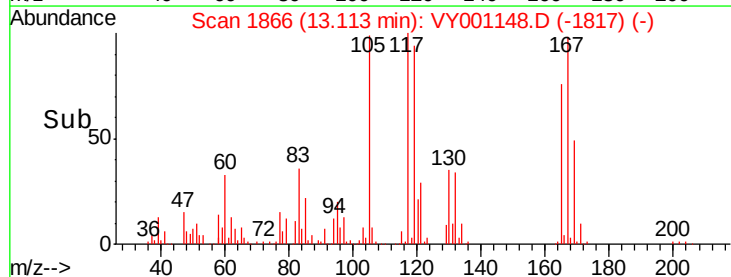
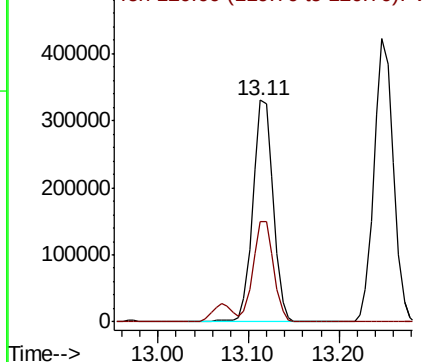


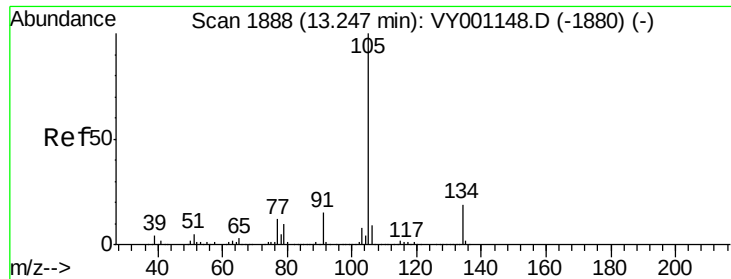
#84
1,2,4-Trimethylbenzene
Concen: 48.709 ug/l
RT: 13.11 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VY001148.D
Acq: 10 Jan 2020 15:02

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.5	22.8	68.3



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





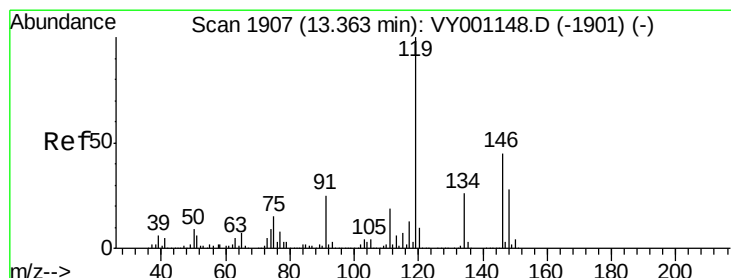
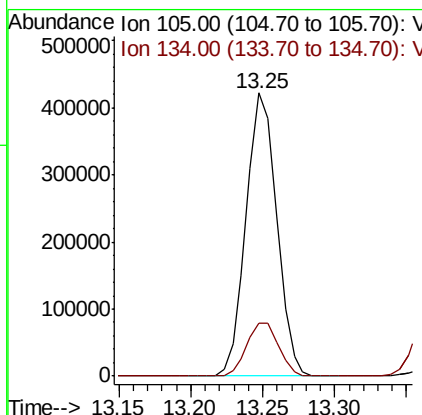
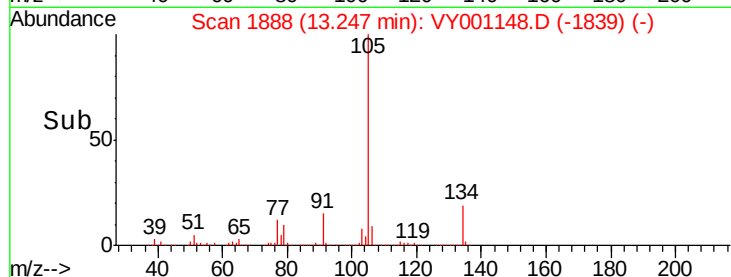
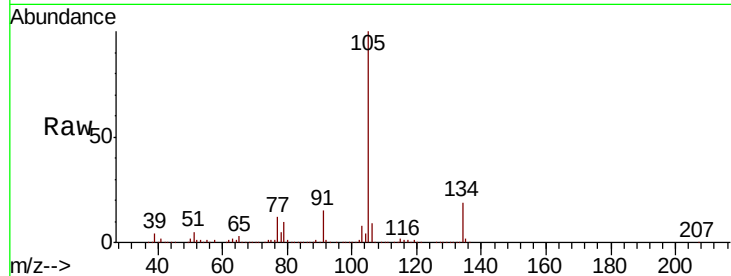
#85
 sec-Butylbenzene
 Concen: 49.919 ug/l
 RT: 13.25 min Scan# 1888
 Delta R.T. 0.00 min
 Lab File: VY001148.D
 Acq: 10 Jan 2020 15:02

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.7	9.8	29.5

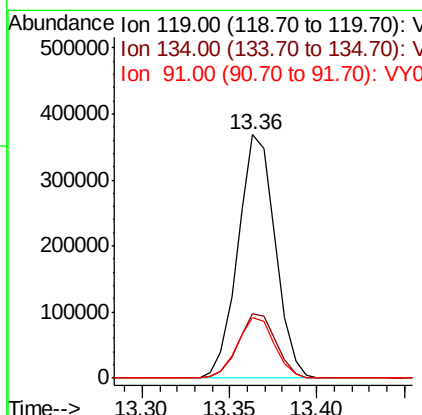
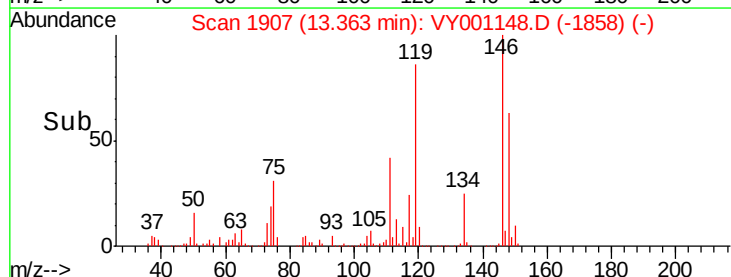
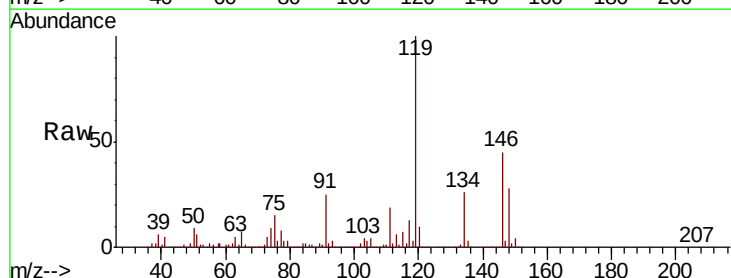
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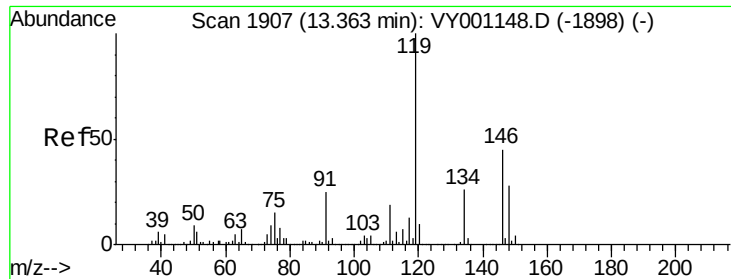
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#86
 p-Isopropyltoluene
 Concen: 48.535 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. 0.00 min
 Lab File: VY001148.D
 Acq: 10 Jan 2020 15:02

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.8	13.4	40.2
91	24.8	12.4	37.2





#87

1,3-Dichlorobenzene

Concen: 45.995 ug/l

RT: 13.36 min Scan# 1907

Delta R.T. 0.00 min

Lab File: VY001148.D

Acq: 10 Jan 2020 15:02

Instrument :

MSVOA_Y

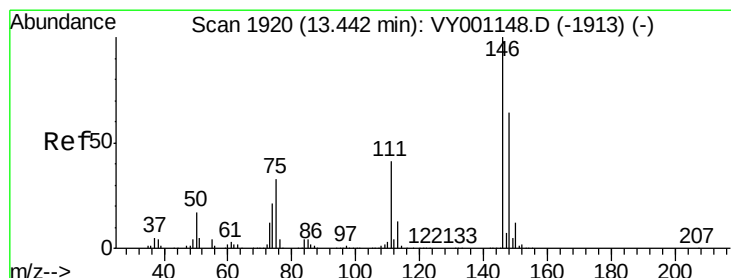
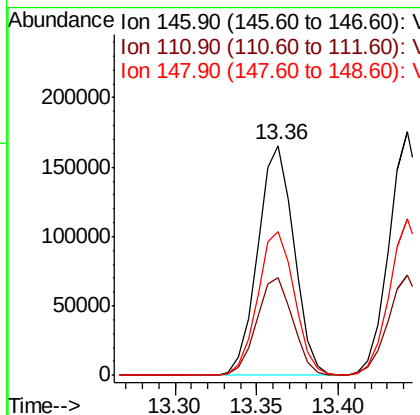
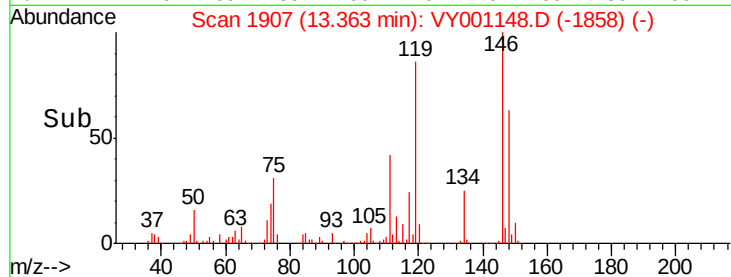
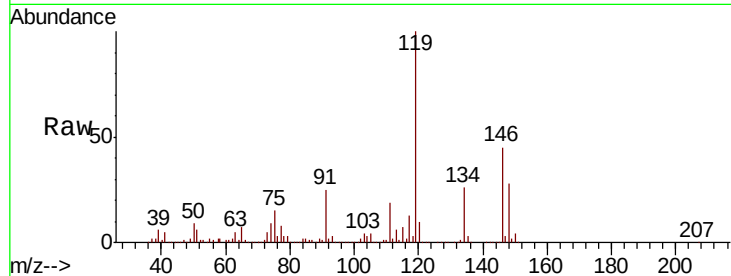
ClientSampleId :

VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	255285		
111	42.7	21.3	64.0	
148	63.7	31.9	95.5	

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#88

1,4-Dichlorobenzene

Concen: 46.626 ug/l

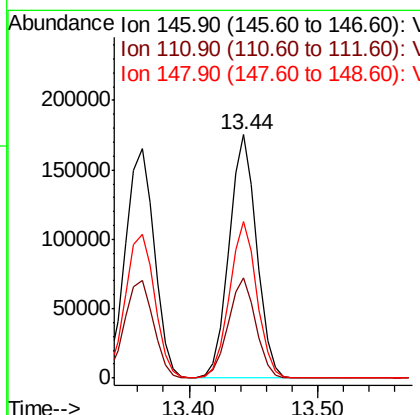
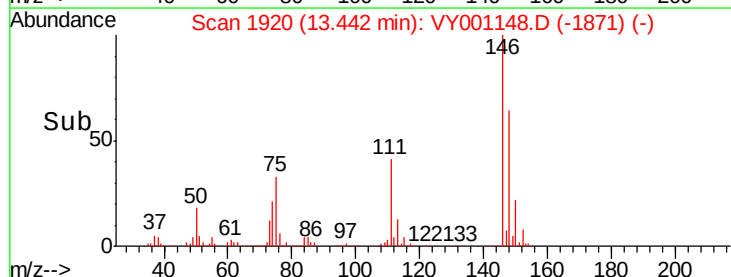
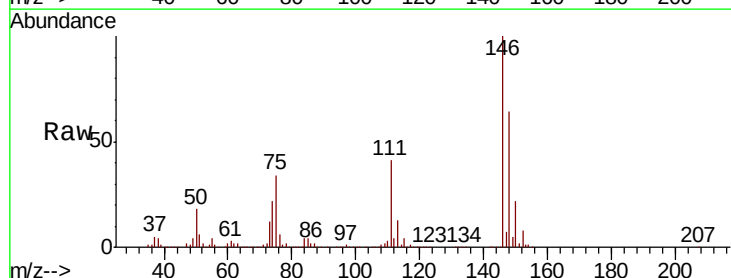
RT: 13.44 min Scan# 1920

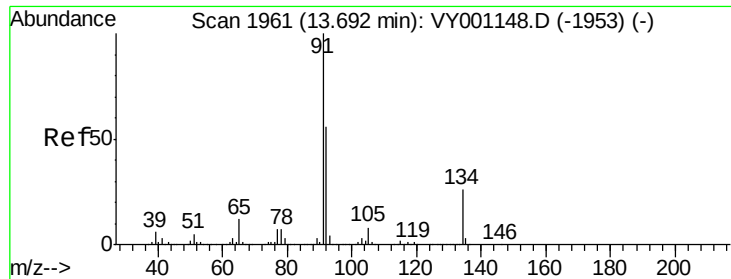
Delta R.T. 0.00 min

Lab File: VY001148.D

Acq: 10 Jan 2020 15:02

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	261046		
111	41.7	20.8	62.5	
148	64.1	32.0	96.2	





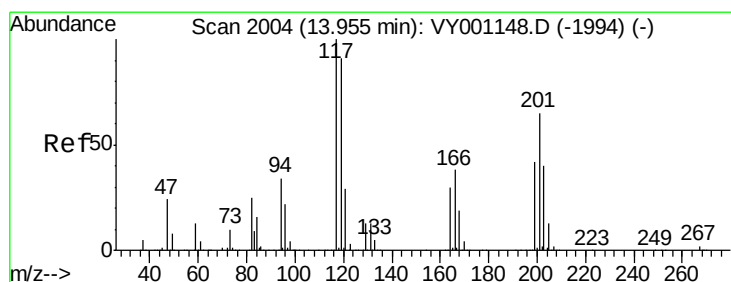
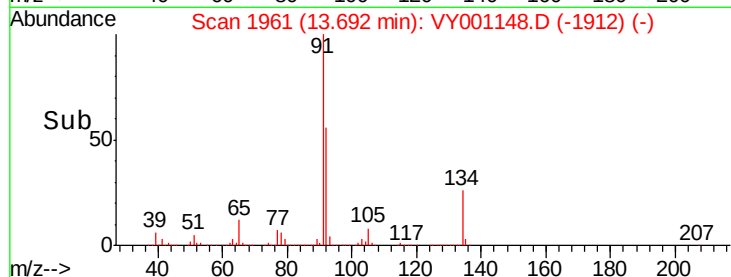
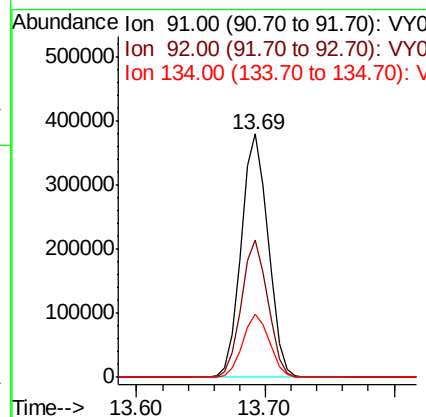
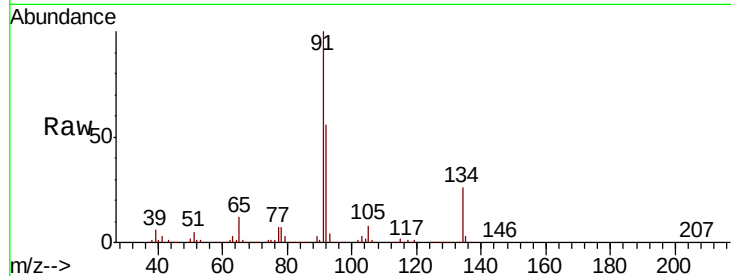
#89
n-Butylbenzene
Concen: 51.604 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. 0.00 min
Lab File: VY001148.D
Acq: 10 Jan 2020 15:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.4	27.7	83.1
134	25.7	12.9	38.6

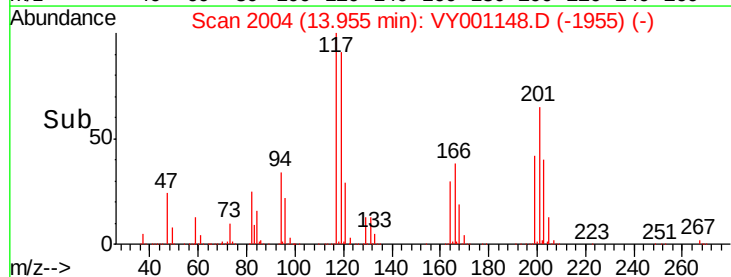
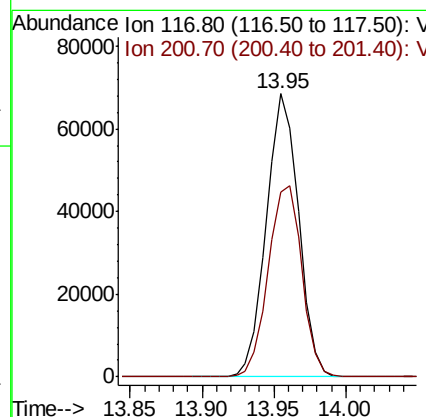
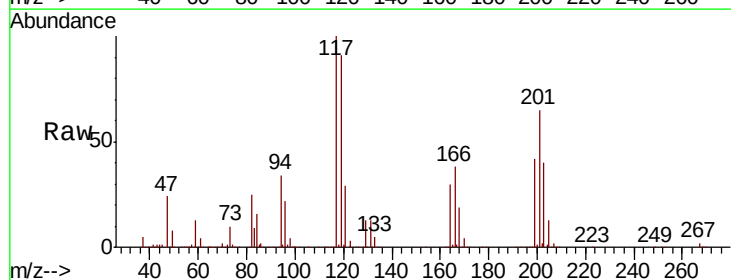
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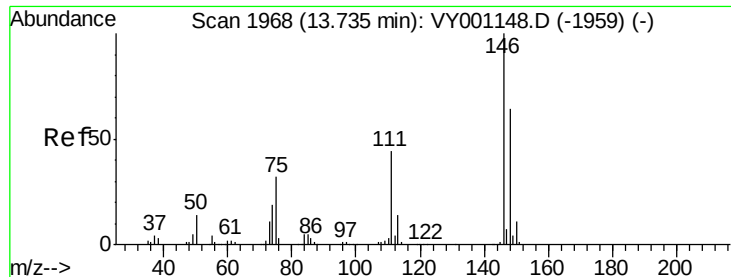
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#90
Hexachloroethane
Concen: 50.800 ug/l
RT: 13.95 min Scan# 2004
Delta R.T. 0.00 min
Lab File: VY001148.D
Acq: 10 Jan 2020 15:02

Tgt Ion	Ratio	Lower	Upper
117	100		
201	70.8	35.4	106.2





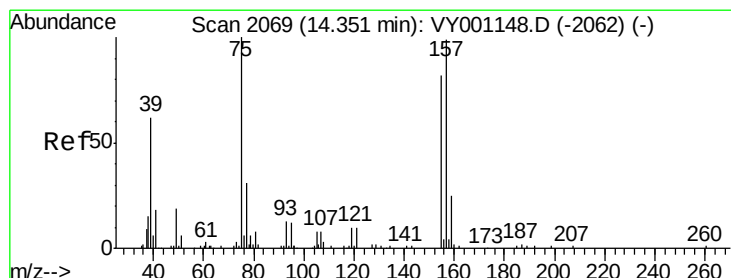
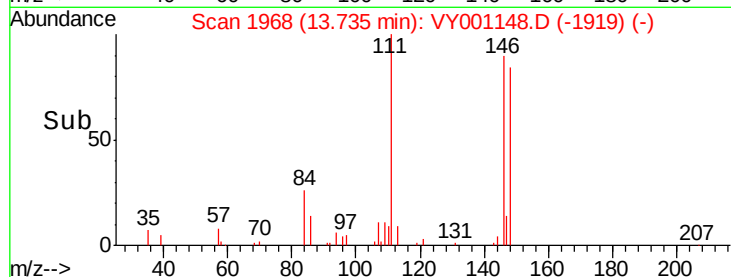
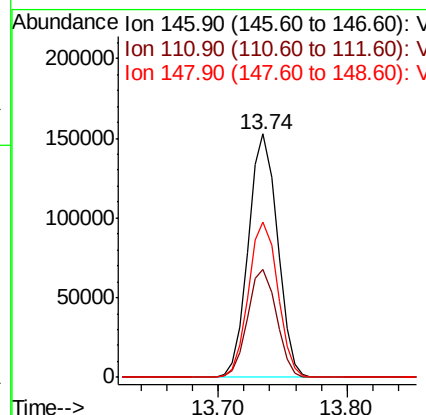
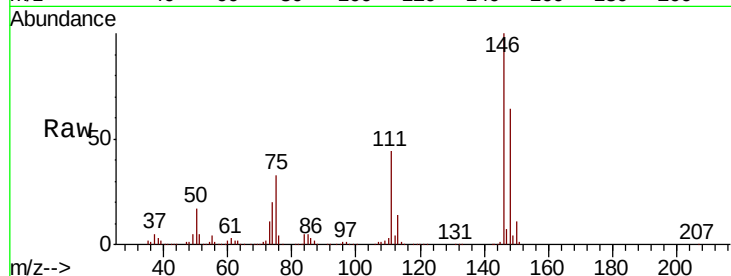
#91
 1,2-Dichlorobenzene
 Concen: 46.611 ug/l
 RT: 13.74 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VY001148.D
 Acq: 10 Jan 2020 15:02

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.0	22.0	66.0
148	64.2	32.1	96.3

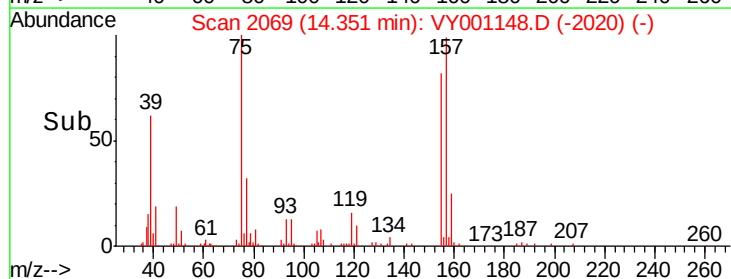
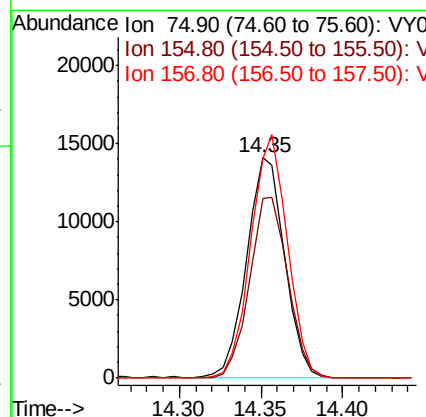
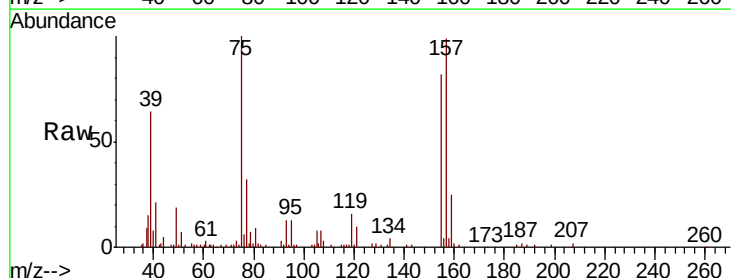
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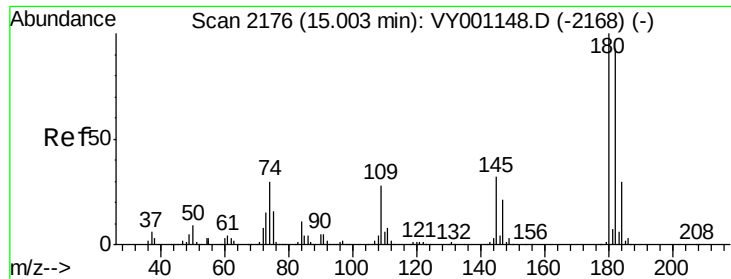
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 56.564 ug/l
 RT: 14.35 min Scan# 2069
 Delta R.T. 0.00 min
 Lab File: VY001148.D
 Acq: 10 Jan 2020 15:02

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.4	41.2	123.6
157	105.6	52.8	158.4





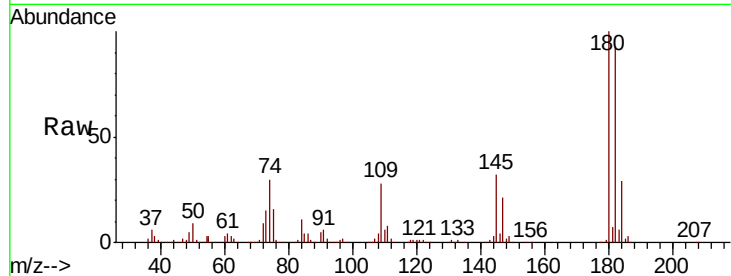
#93
 1,2,4-Trichlorobenzene
 Concen: 44.601 ug/l
 RT: 15.00 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VY001148.D
 Acq: 10 Jan 2020 15:02

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	155762		
182	93.9	46.9	140.8	
145	32.0	16.0	48.0	

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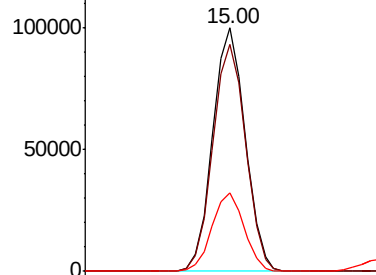


Abundance

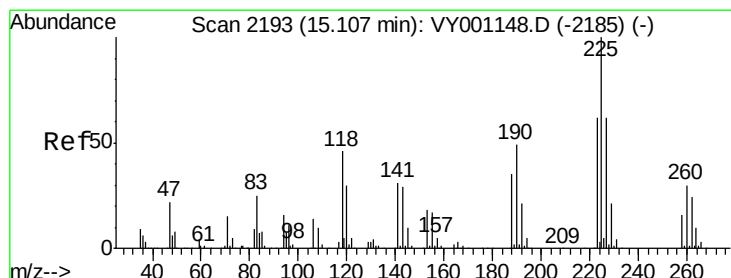
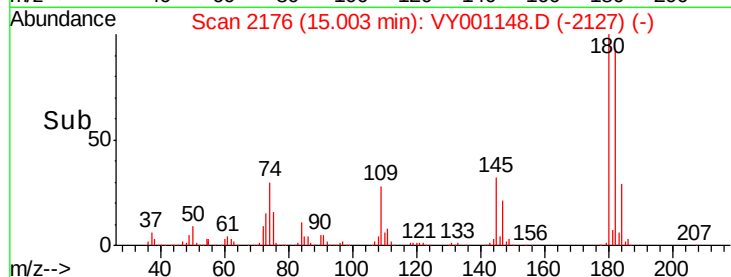
Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

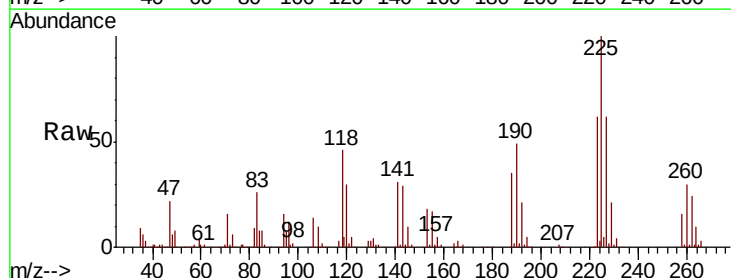


Time-->



#94
 Hexachlorobutadiene
 Concen: 44.957 ug/l
 RT: 15.11 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VY001148.D
 Acq: 10 Jan 2020 15:02

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	79400		
223	62.2	31.1	93.3	
227	62.6	31.3	93.9	

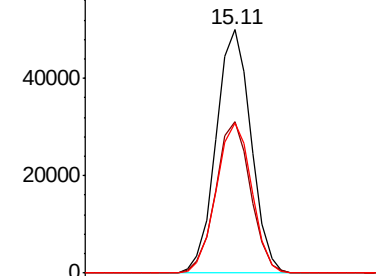


Abundance

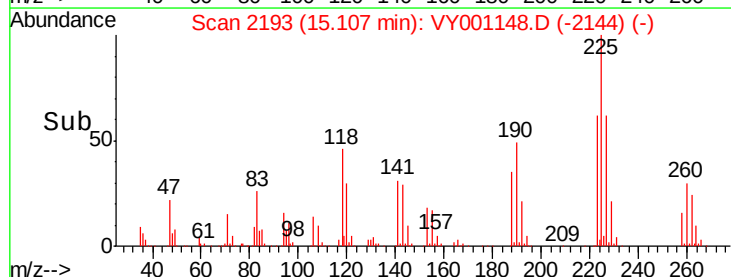
Ion 224.70 (224.40 to 225.40): V

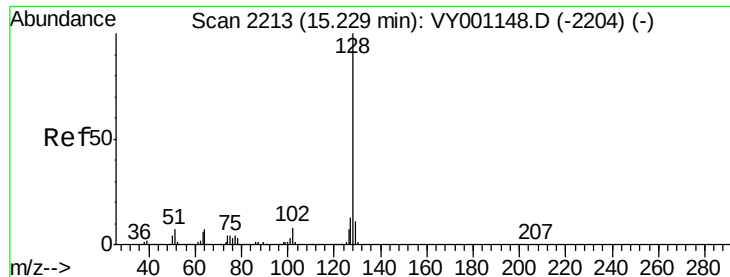
Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



Time-->





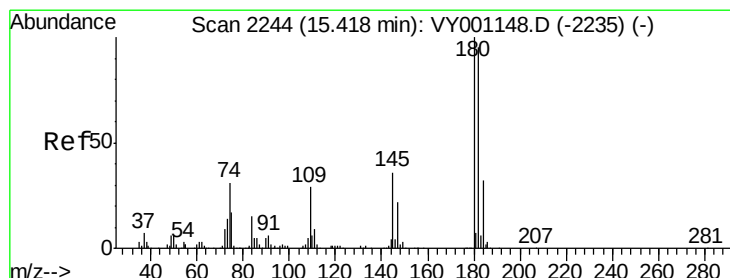
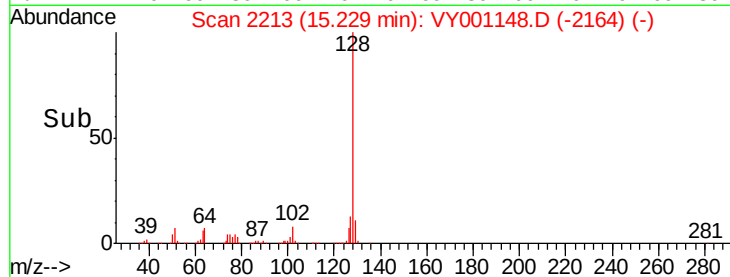
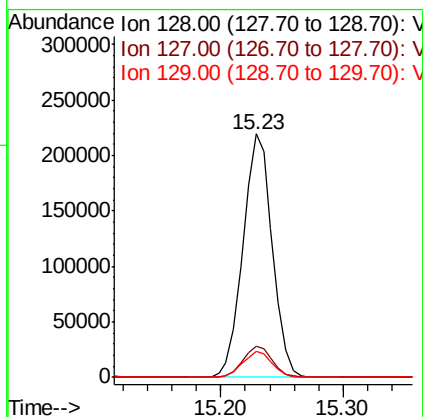
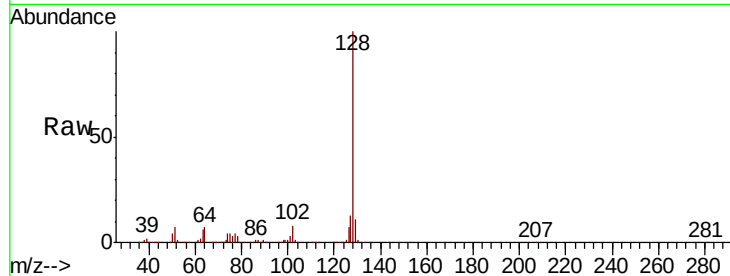
#95
Naphthalene
Concen: 45.179 ug/l
RT: 15.23 min Scan# 2213
Delta R.T. 0.00 min
Lab File: VY001148.D
Acq: 10 Jan 2020 15:02

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.4
129	10.6	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
1/13/2020 12:38:57 PM



#96
1,2,3-Trichlorobenzene
Concen: 43.651 ug/l
RT: 15.42 min Scan# 2244
Delta R.T. 0.00 min
Lab File: VY001148.D
Acq: 10 Jan 2020 15:02

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.5	142.5
145	34.2	17.1	51.3

