

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY011020\
 Data File : VY001149.D
 Acq On : 10 Jan 2020 15:23
 Operator : SY/MD
 Sample : VSTDICC100
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

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 1/13/2020 12:39:01 PM

Quant Time: Jan 10 15:42:59 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	223345	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	389031	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	342819	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	155040	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	238073	121.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	243.64%	
35) Dibromofluoromethane	7.73	113	216636	97.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	195.42%	
50) Toluene-d8	10.18	98	893644	108.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	216.26%	
62) 4-Bromofluorobenzene	12.48	95	341678	107.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	214.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	172383	106.468	ug/l	99
3) Chloromethane	2.12	50	235708	174.797	ug/l	99
4) Vinyl Chloride	2.25	62	250046	180.784	ug/l	100
5) Bromomethane	2.65	94	129309	138.851	ug/l	97
6) Chloroethane	2.79	64	139160	153.842	ug/l	98
7) Trichlorofluoromethane	3.13	101	344736	107.885	ug/l	99
8) Diethyl Ether	3.54	74	136221	116.201	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.90	101	224996	111.651	ug/l	99
10) Methyl Iodide	4.10	142	310626	101.644	ug/l	99
11) Tert butyl alcohol	4.97	59	108299	571.286	ug/l	99
12) 1,1-Dichloroethene	3.88	96	230446	111.314	ug/l	99
13) Acrolein	3.74	56	98557	553.533	ug/l	99
14) Allyl chloride	4.49	41	397493	163.512	ug/l	99
15) Acrylonitrile	5.18	53	340481	663.757	ug/l	98
16) Acetone	3.96	43	271129	703.193	ug/l	98
17) Carbon Disulfide	4.20	76	755205	120.894	ug/l	99
18) Methyl Acetate	4.49	43	173055	144.343	ug/l	100
19) Methyl tert-butyl Ether	5.23	73	650182	126.319	ug/l	99
20) Methylene Chloride	4.72	84	252802	103.979	ug/l	96
21) trans-1,2-Dichloroethene	5.23	96	263786	113.954	ug/l	98
22) Diisopropyl ether	6.13	45	831553	166.489	ug/l	99
23) Vinyl Acetate	6.07	43	2660165	842.201	ug/l	99
24) 1,1-Dichloroethane	6.03	63	443439	135.767	ug/l	98
25) 2-Butanone	7.00	43	426668	677.286	ug/l	100
26) 2,2-Dichloropropane	6.99	77	390944	112.524	ug/l	99
27) cis-1,2-Dichloroethene	7.00	96	285657	104.726	ug/l	98
28) Bromochloromethane	7.35	49	197190	153.278	ug/l	99
29) Tetrahydrofuran	7.36	42	298395	700.379	ug/l	98
30) Chloroform	7.52	83	430326	109.660	ug/l	99
31) Cyclohexane	7.79	56	445312	117.098	ug/l	98
32) 1,1,1-Trichloroethane	7.71	97	380178	105.110	ug/l	100
36) 1,1-Dichloropropene	7.93	75	356925	105.046	ug/l	99
37) Ethyl Acetate	7.08	43	207439	137.823	ug/l	99
38) Carbon Tetrachloride	7.91	117	330535	95.562	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	483200	102.953	ug/l	98
40) Benzene	8.17	78	1041598	100.377	ug/l	100
41) Methacrylonitrile	7.33	41	97280m	130.389	ug/l	
42) 1,2-Dichloroethane	8.25	62	292122	114.656	ug/l	99
43) Isopropyl Acetate	8.28	43	399886	134.479	ug/l	99
44) Trichloroethene	8.94	130	270557	88.718	ug/l	100
45) 1,2-Dichloropropane	9.22	63	256623	109.144	ug/l	98
46) Dibromomethane	9.31	93	141462	102.888	ug/l	99
47) Bromodichloromethane	9.50	83	345713	110.417	ug/l	98
48) Methyl methacrylate	9.30	41	185405	143.098	ug/l	99
49) 1,4-Dioxane	9.30	88	34483	1694.350	ug/l	94
51) 4-Methyl-2-Pentanone	10.07	43	1012858	706.714	ug/l	100
52) Toluene	10.24	92	669607	104.533	ug/l	98
53) t-1,3-Dichloropropene	10.47	75	388335	117.311	ug/l	97
54) cis-1,3-Dichloropropene	9.93	75	434560	111.805	ug/l	99
55) 1,1,2-Trichloroethane	10.64	97	205141	103.968	ug/l	99
56) Ethyl methacrylate	10.51	69	322260	123.252	ug/l	99
57) 1,3-Dichloropropane	10.79	76	357833	114.733	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	515894	549.248	ug/l	99
59) 2-Hexanone	10.83	43	718166	748.978	ug/l	100
60) Dibromochloromethane	10.99	129	239851	106.576	ug/l	99
61) 1,2-Dibromoethane	11.09	107	201764	105.568	ug/l	100
64) Tetrachloroethene	10.72	164	214521	70.738	ug/l	97
65) Chlorobenzene	11.52	112	678512	94.265	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.59	131	233307	92.235	ug/l	100
67) Ethyl Benzene	11.59	91	1240343	98.296	ug/l	99
68) m/p-Xylenes	11.70	106	933965	187.558	ug/l	98
69) o-Xylene	12.03	106	447766	94.726	ug/l	99
70) Styrene	12.04	104	797353	99.254	ug/l	100
71) Bromoform	12.20	173	145163	95.989	ug/l #	100
73) Isopropylbenzene	12.33	105	1199179	103.045	ug/l	100
74) N-amyl acetate	12.14	43	379829	155.179	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	251765	118.200	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	161952m	101.218	ug/l	
77) Bromobenzene	12.61	156	259352	92.952	ug/l	98
78) n-propylbenzene	12.67	91	1433155	103.724	ug/l	99
79) 2-Chlorotoluene	12.75	91	830757	107.777	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	991422	100.368	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	103060	125.805	ug/l #	97
82) 4-Chlorotoluene	12.85	91	887329	110.988	ug/l	100
83) tert-Butylbenzene	13.07	119	821321	98.250	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	968334	97.895	ug/l	100
85) sec-Butylbenzene	13.25	105	1182330	100.559	ug/l	100
86) p-Isopropyltoluene	13.36	119	1001795	94.920	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	474157	90.644	ug/l	100
88) 1,4-Dichlorobenzene	13.44	146	494104	93.639	ug/l	99
89) n-Butylbenzene	13.69	91	1012889	100.833	ug/l	100
90) Hexachloroethane	13.95	117	199919	101.315	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	449668	93.581	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.35	75	43049	112.607	ug/l	99

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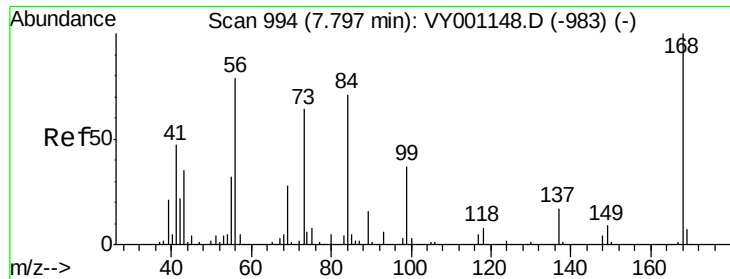
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	277503	84.311	ug/l	99
94) Hexachlorobutadiene	15.11	225	138514	83.215	ug/l	99
95) Naphthalene	15.23	128	662931	87.590	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	248786	84.787	ug/l	99

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



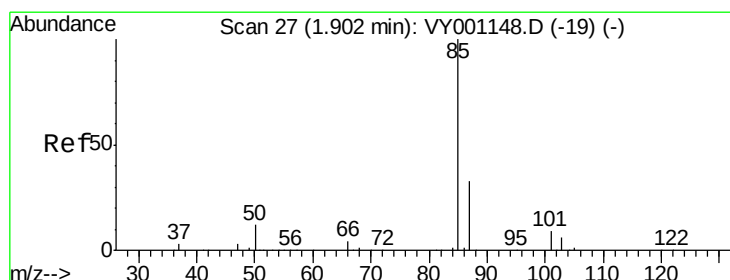
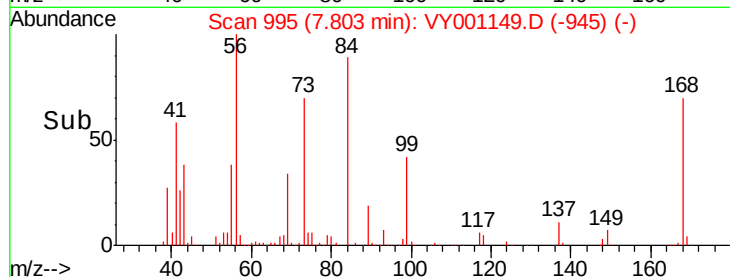
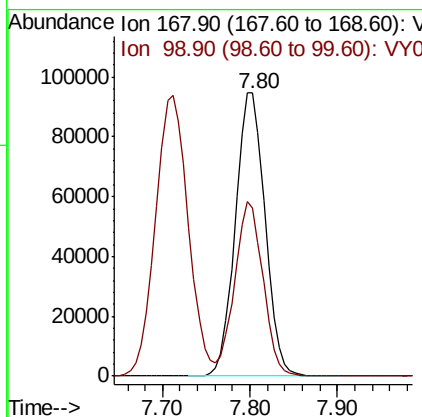
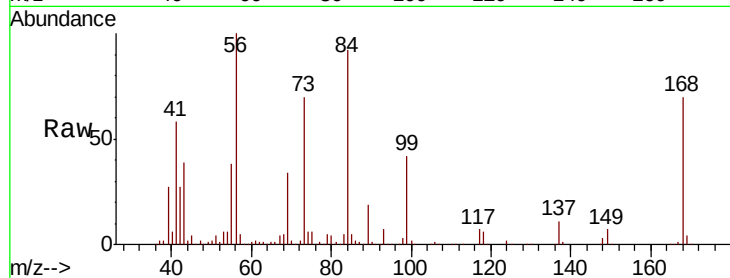
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.80 min Scan# 995
Delta R.T. 0.01 min
Lab File: VY001149.D
Acq: 10 Jan 2020 15:23

Instrument :
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ClientSampleId :
VSTDIC100

Tot Ion:168 Resp: 223345
Ion Ratio Lower Upper
168 100
99 59.3 47.9 71.9

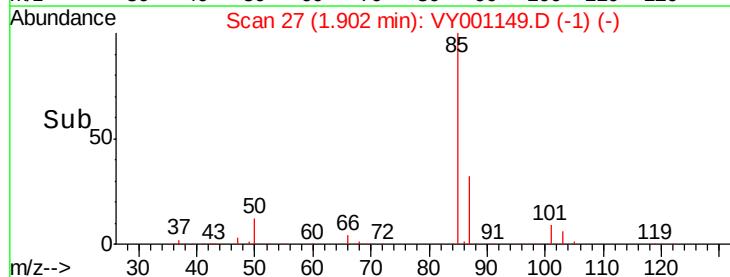
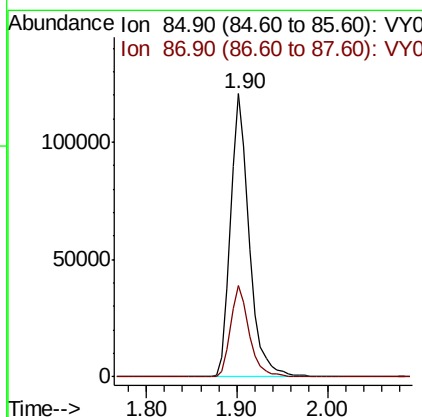
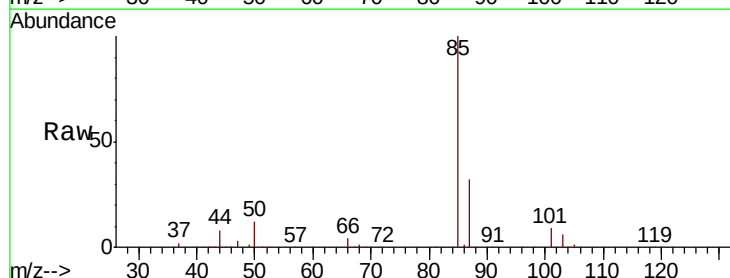
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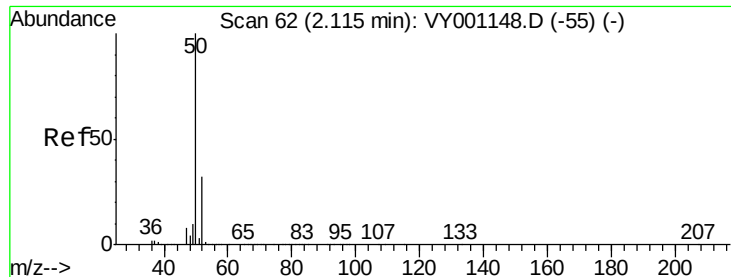
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#2
Dichlorodifluoromethane
Concen: 106.468 ug/l
RT: 1.90 min Scan# 27
Delta R.T. -0.00 min
Lab File: VY001149.D
Acq: 10 Jan 2020 15:23

Tgt Ion: 85 Resp: 172383
Ion Ratio Lower Upper
85 100
87 32.2 16.4 49.2





#3

Chloromethane

Concen: 174.797 ug/l

RT: 2.12 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY001149.D

Acq: 10 Jan 2020 15:23

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 235708

Ion Ratio Lower Upper

50 100

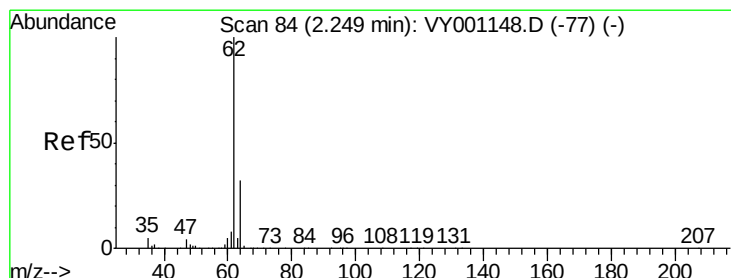
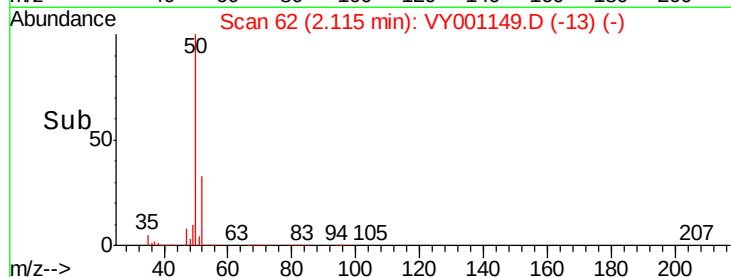
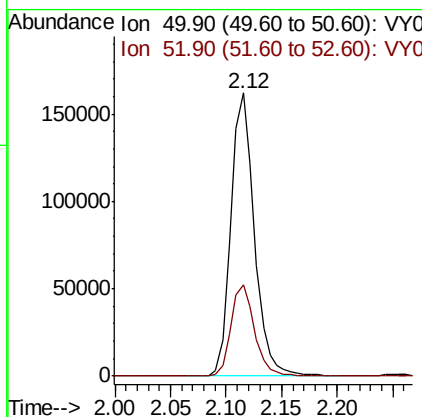
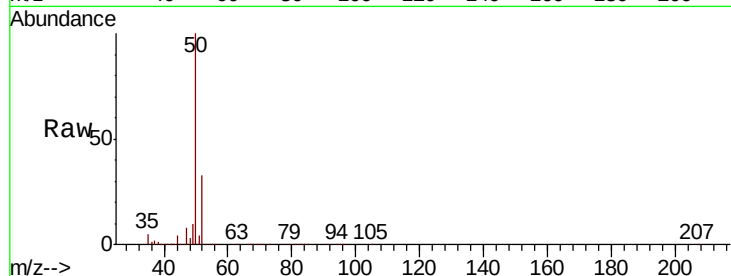
52 32.5 25.8 38.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 180.784 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.00 min

Lab File: VY001149.D

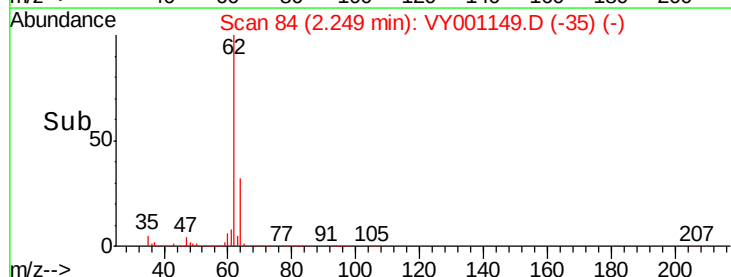
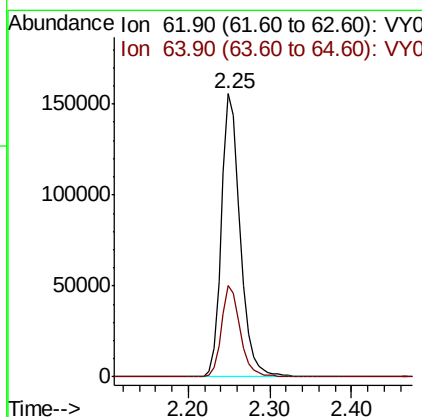
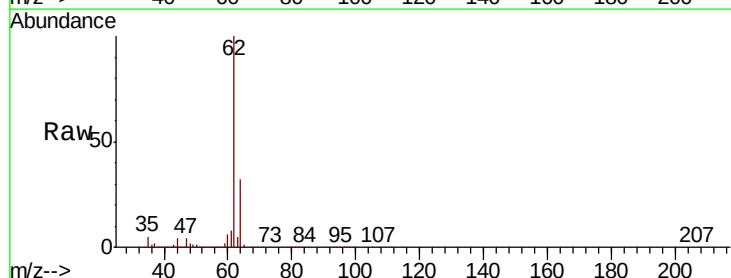
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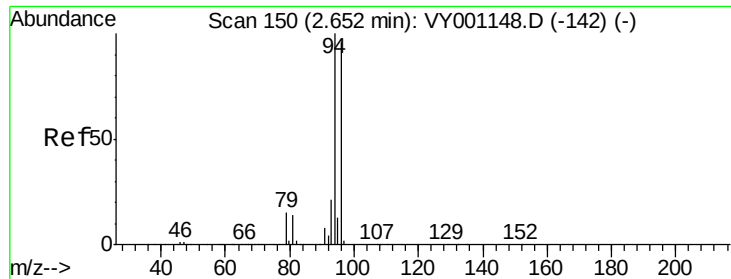
Tgt Ion: 62 Resp: 250046

Ion Ratio Lower Upper

62 100

64 32.3 25.8 38.8





#5

Bromomethane

Concen: 138.851 ug/l

RT: 2.65 min Scan# 149

Delta R.T. -0.01 min

Lab File: VY001149.D

Acq: 10 Jan 2020 15:23

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 129309

Ion Ratio Lower Upper

94 100

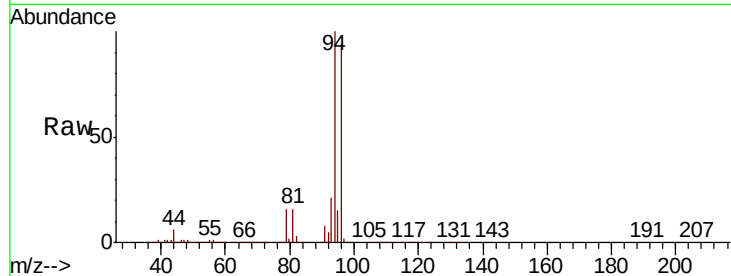
96 93.3 77.3 115.9

Manual Integrations

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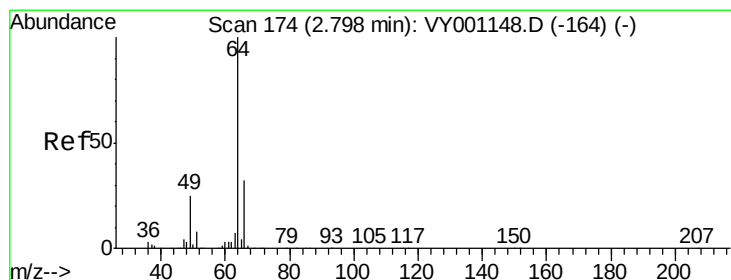
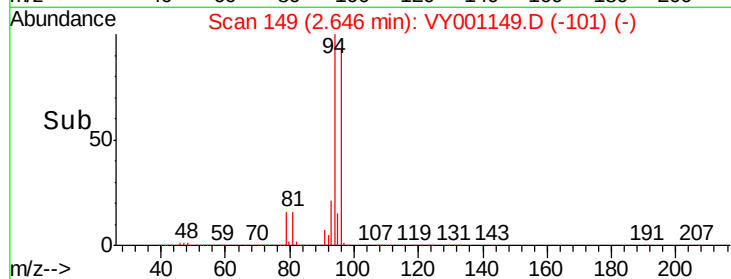
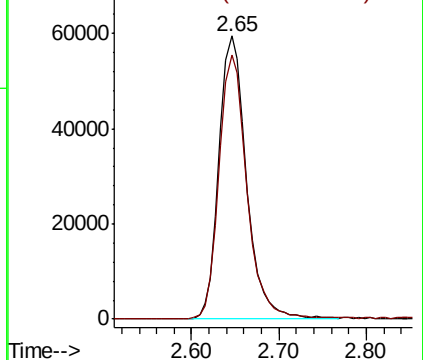
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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 153.842 ug/l

RT: 2.79 min Scan# 173

Delta R.T. -0.01 min

Lab File: VY001149.D

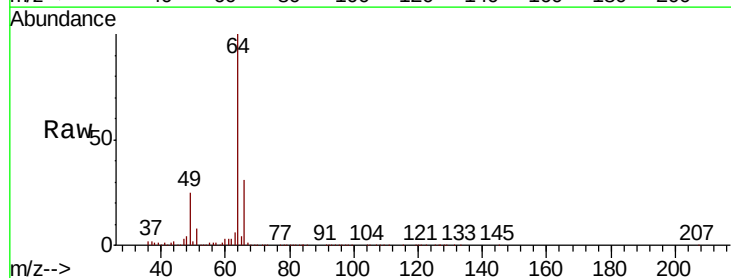
Acq: 10 Jan 2020 15:23

Tgt Ion: 64 Resp: 139160

Ion Ratio Lower Upper

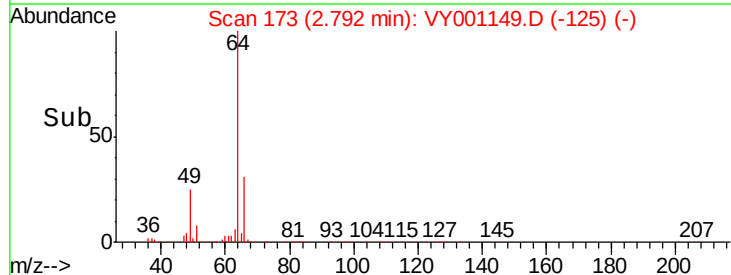
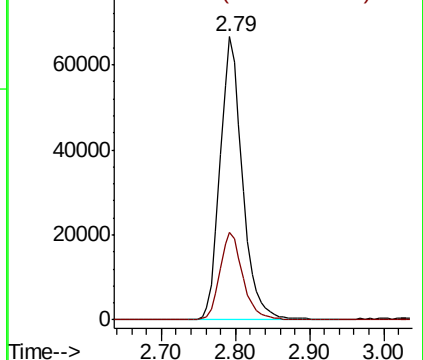
64 100

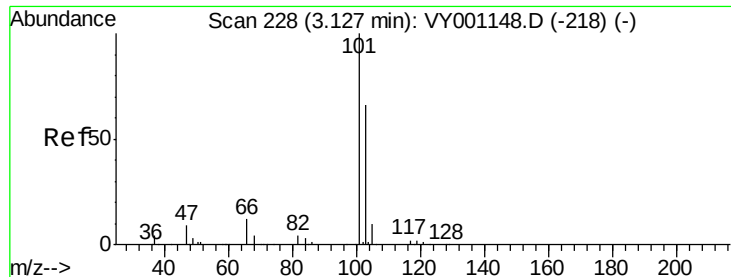
66 31.0 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

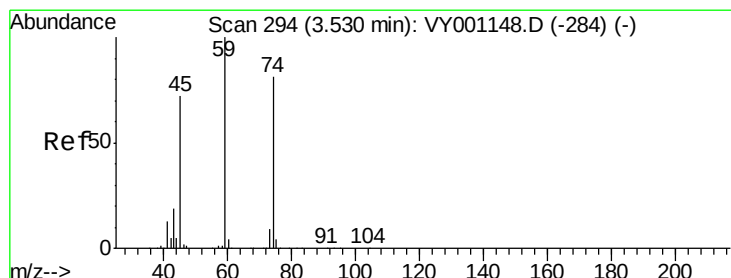
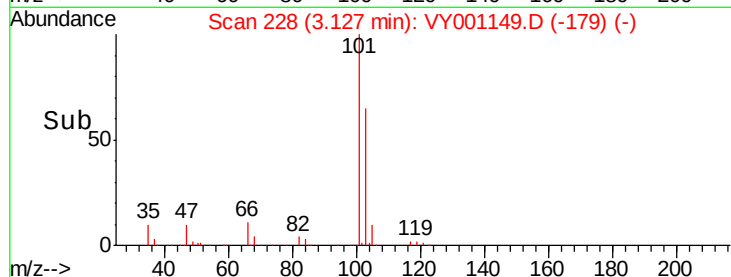
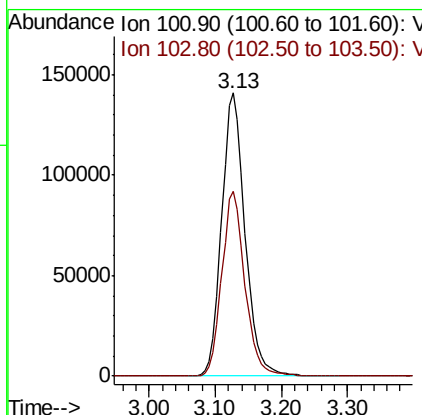
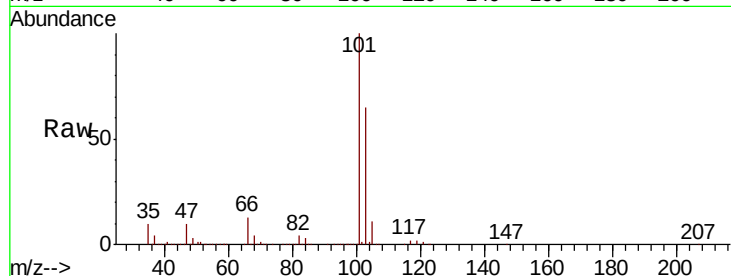
Trichlorofluoromethane
Concen: 107.885 ug/l
RT: 3.13 min Scan# 228
Delta R.T. -0.00 min
Lab File: VY001149.D
Acq: 10 Jan 2020 15:23

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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.3	52.6	79.0

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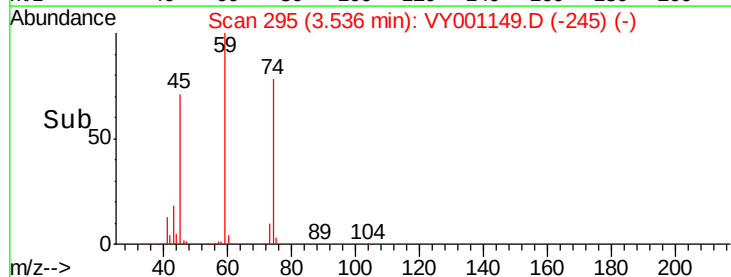
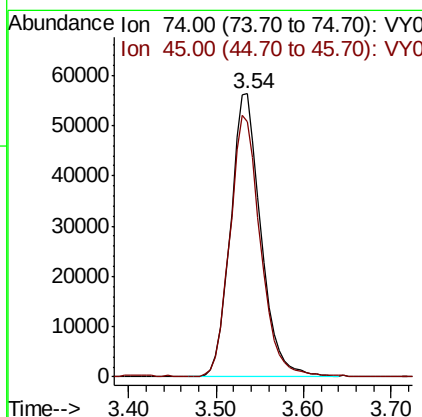
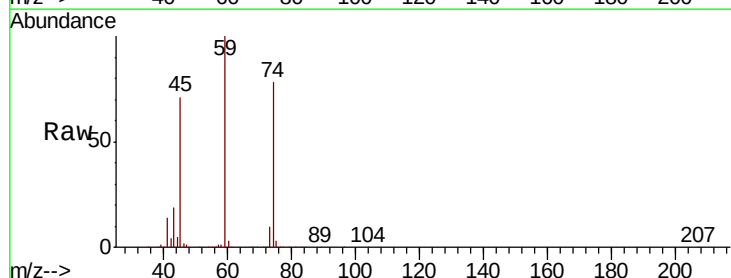
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1/13/2020 12:39:01 PM

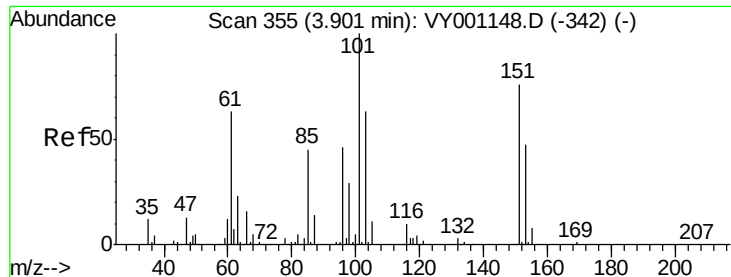


#8

Diethyl Ether
Concen: 116.201 ug/l
RT: 3.54 min Scan# 295
Delta R.T. 0.01 min
Lab File: VY001149.D
Acq: 10 Jan 2020 15:23

Tgt Ion	Ratio	Lower	Upper
74	100		
45	92.4	45.5	136.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 111.651 ug/l

RT: 3.90 min Scan# 355

Delta R.T. -0.00 min

Lab File: VY001149.D

Acq: 10 Jan 2020 15:23

Instrument :

MSVOA_Y

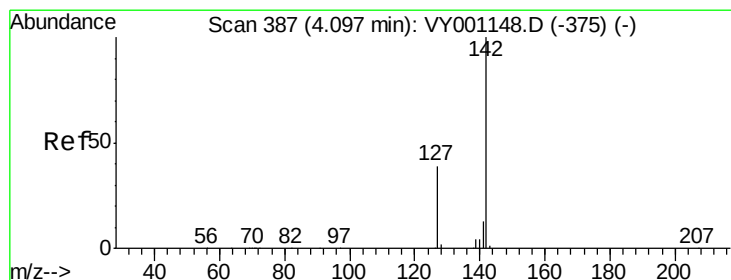
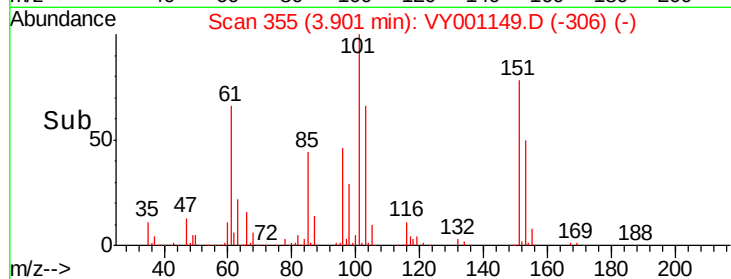
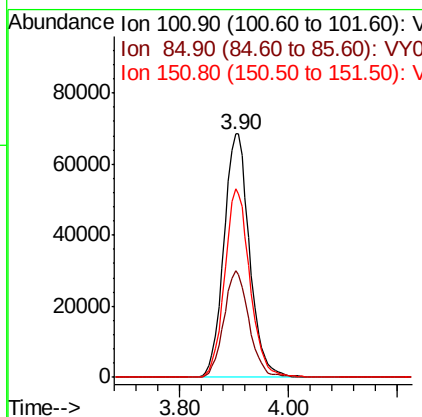
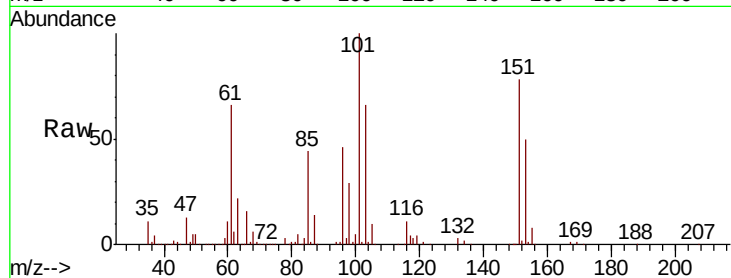
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	224996
Ion Ratio	Lower	Upper	
101	100		
85	43.2	35.2	52.8
151	76.0	61.4	92.2

Manual Integrations
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#10

Methyl Iodide

Concen: 101.644 ug/l

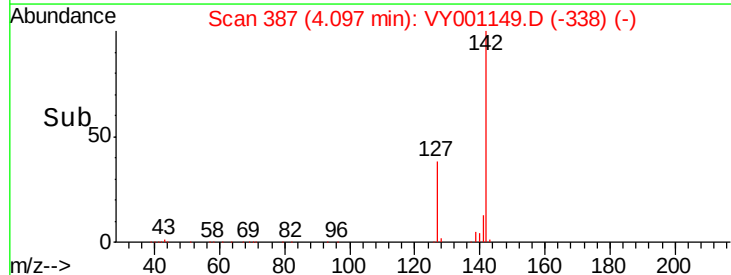
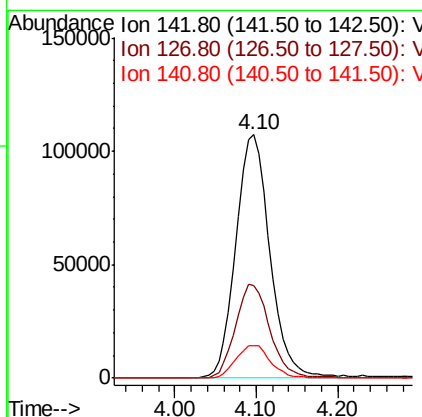
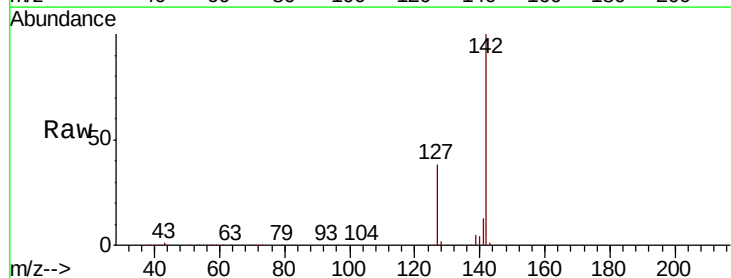
RT: 4.10 min Scan# 387

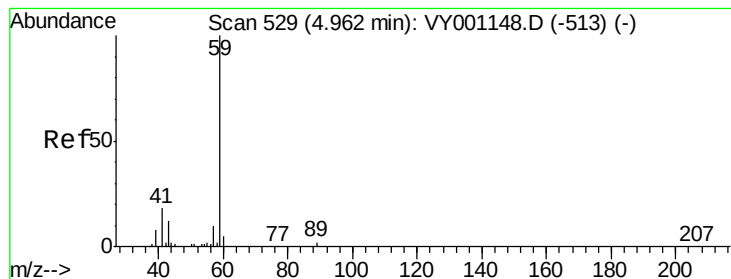
Delta R.T. -0.00 min

Lab File: VY001149.D

Acq: 10 Jan 2020 15:23

Tgt Ion:	142	Resp:	310626
Ion Ratio	Lower	Upper	
142	100		
127	39.0	30.8	46.2
141	13.7	11.0	16.4





#11

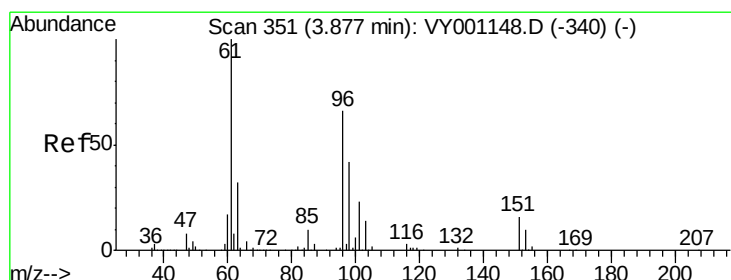
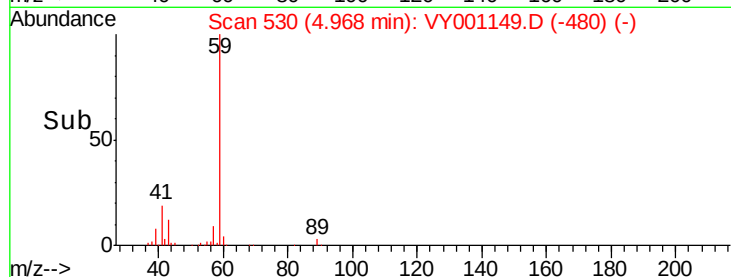
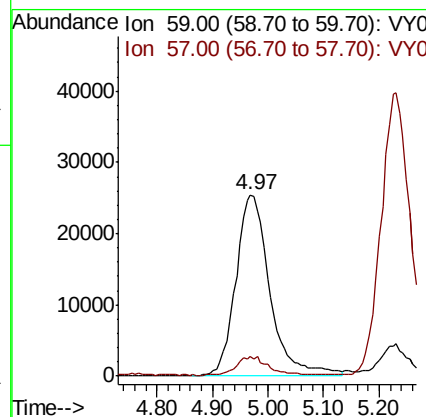
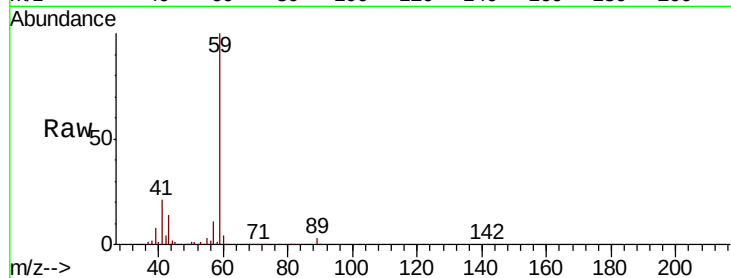
Tert butyl alcohol
 Concen: 571.286 ug/l
 RT: 4.97 min Scan# 530
 Delta R.T. 0.01 min
 Lab File: VY001149.D
 Acq: 10 Jan 2020 15:23

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.6	7.8	11.8

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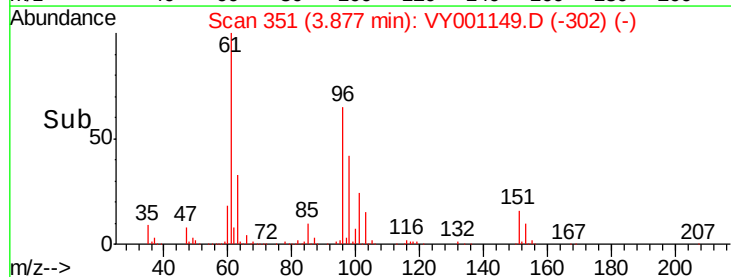
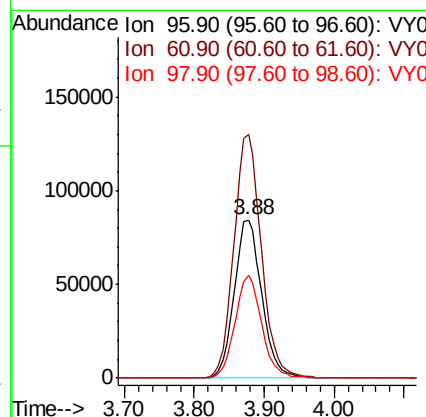
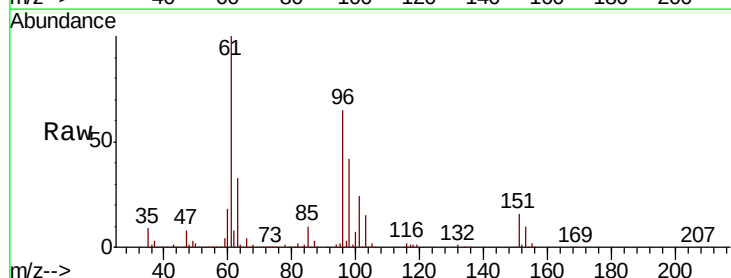
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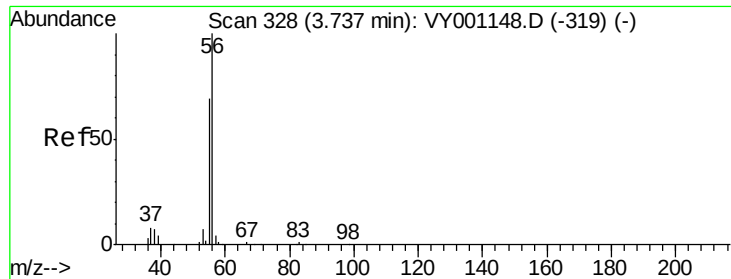


#12

1,1-Dichloroethene
 Concen: 111.314 ug/l
 RT: 3.88 min Scan# 351
 Delta R.T. -0.00 min
 Lab File: VY001149.D
 Acq: 10 Jan 2020 15:23

Tgt Ion	Ratio	Lower	Upper
96	100		
61	153.9	122.1	183.1
98	65.2	51.0	76.6





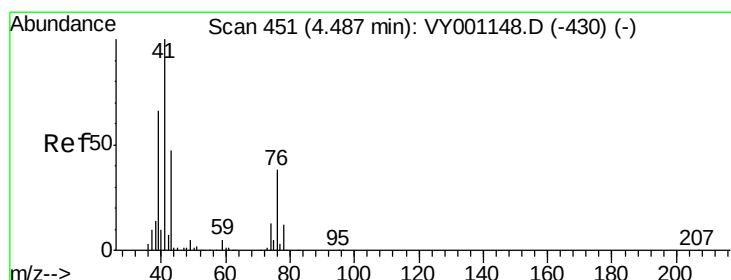
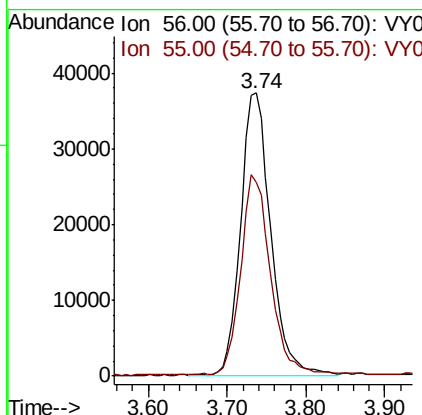
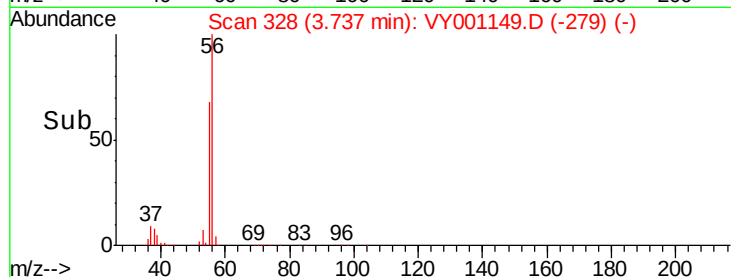
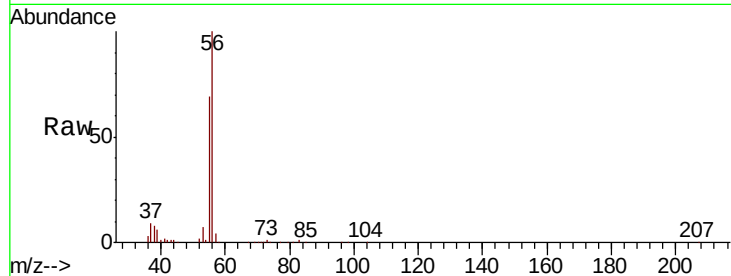
#13
Acrolein
Concen: 553.533 ug/l
RT: 3.74 min Scan# 328
Delta R.T. -0.00 min
Lab File: VY001149.D
Acq: 10 Jan 2020 15:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
56	100		
55	69.9	56.7	85.1

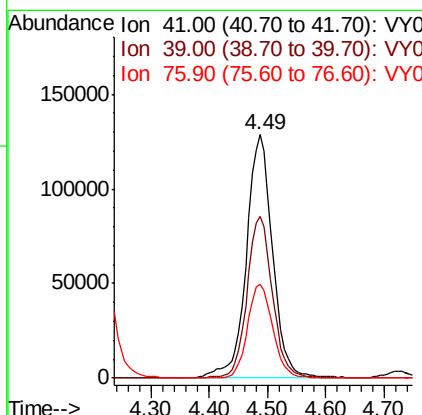
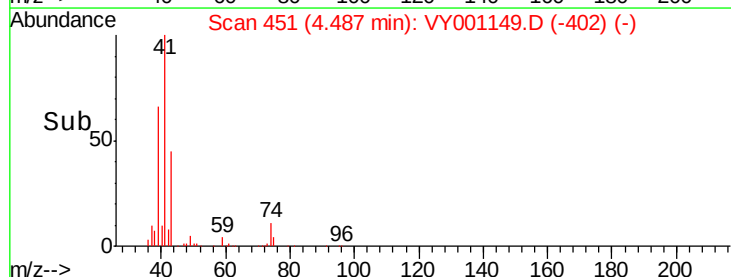
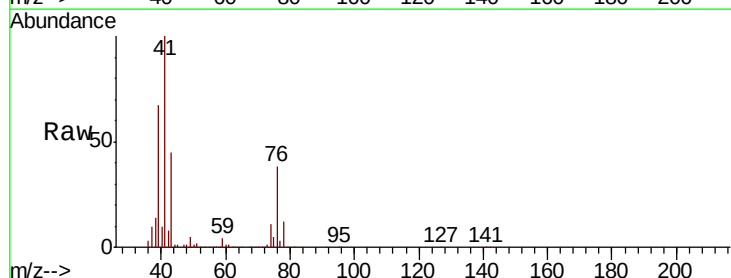
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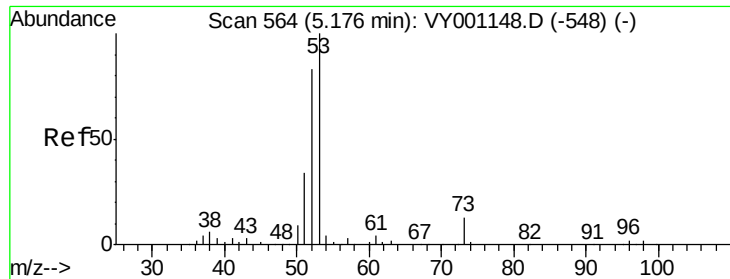
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#14
Allyl chloride
Concen: 163.512 ug/l
RT: 4.49 min Scan# 451
Delta R.T. -0.00 min
Lab File: VY001149.D
Acq: 10 Jan 2020 15:23

Tgt Ion	Ratio	Lower	Upper
41	100		
39	64.6	52.6	78.8
76	37.4	30.2	45.2





#15

Acrylonitrile

Concen: 663.757 ug/l

RT: 5.18 min Scan# 564

Delta R.T. -0.00 min

Lab File: VY001149.D

Acq: 10 Jan 2020 15:23

Instrument :

MSVOA_Y

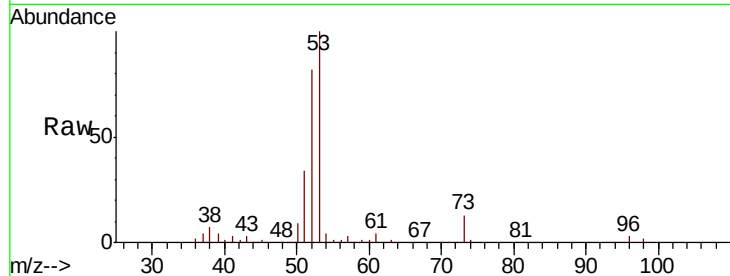
ClientSampleId :

VSTDIC100

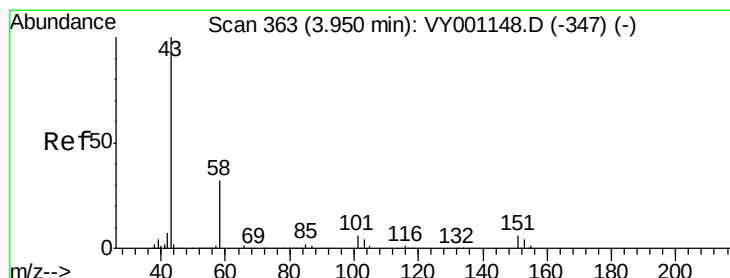
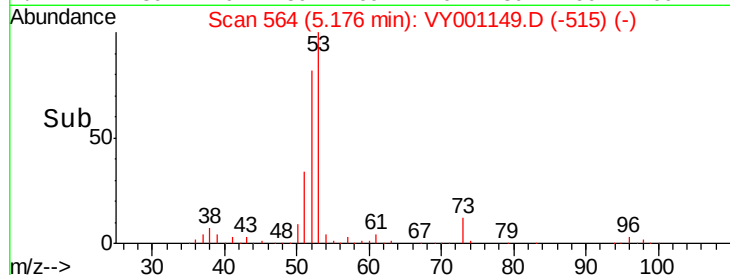
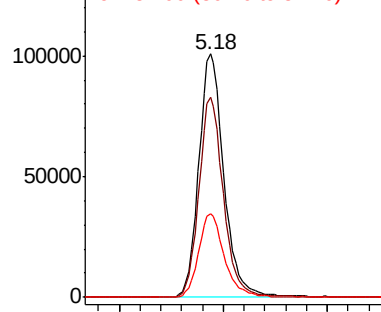
Tot Ion:	53	Resp:	340481
Ion	Ratio	Lower	Upper
53	100		
52	80.2	65.7	98.5
51	35.2	28.7	43.1

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Abundance Ion 53.00 (52.70 to 53.70): VY001149.D (-515) (-)



#16

Acetone

Concen: 703.193 ug/l

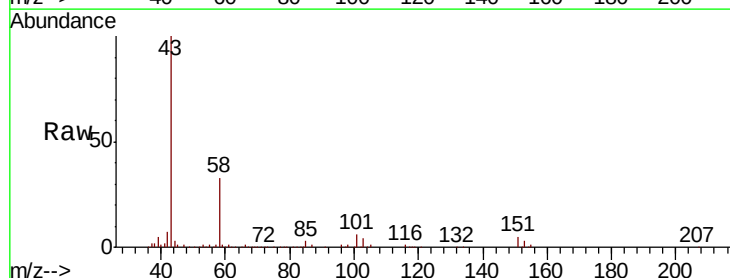
RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

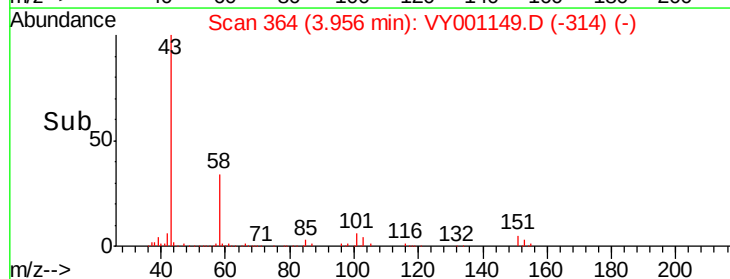
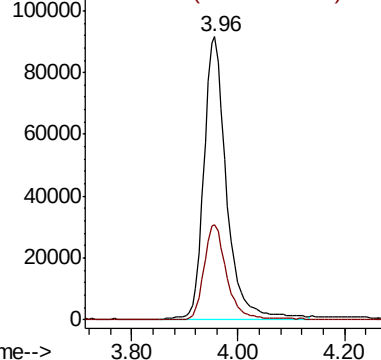
Lab File: VY001149.D

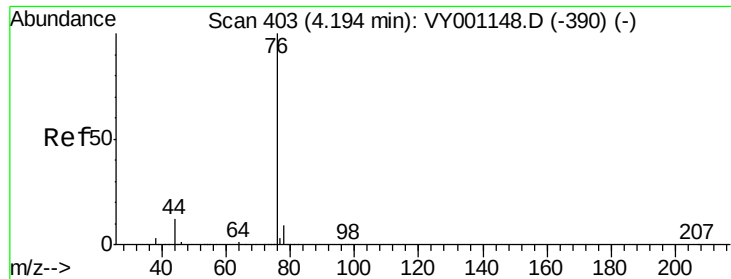
Acq: 10 Jan 2020 15:23

Tgt Ion:	43	Resp:	271129
Ion	Ratio	Lower	Upper
43	100		
58	33.4	25.8	38.6



Abundance Ion 43.00 (42.70 to 43.70): VY001149.D (-314) (-)





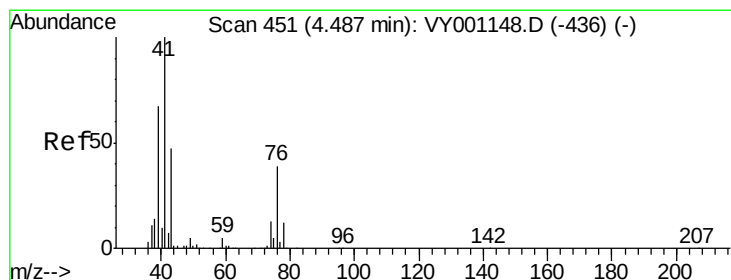
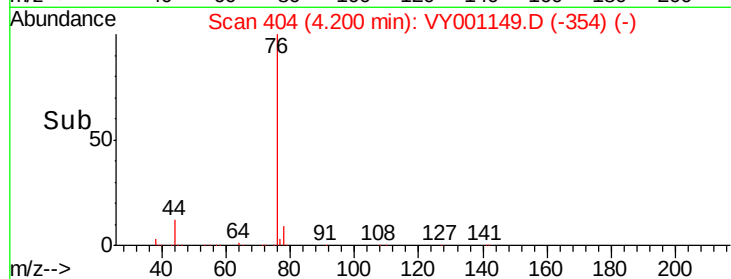
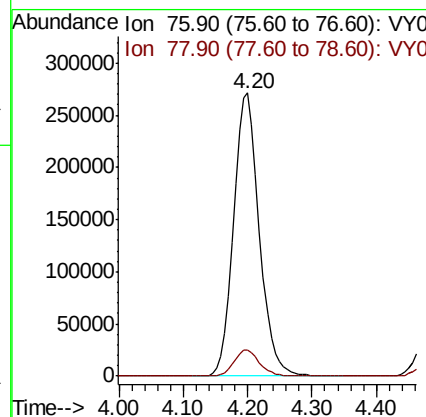
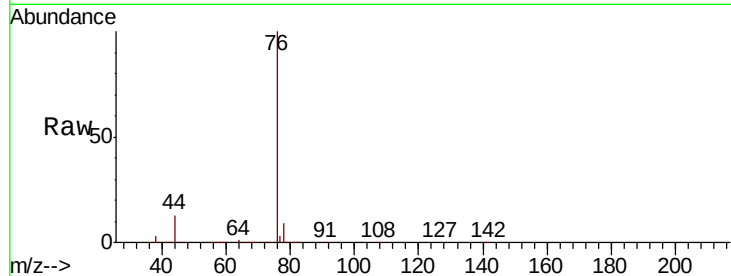
#17
Carbon Disulfide
Concen: 120.894 ug/l
RT: 4.20 min Scan# 404
Delta R.T. 0.01 min
Lab File: VY001149.D
Acq: 10 Jan 2020 15:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.2	10.8

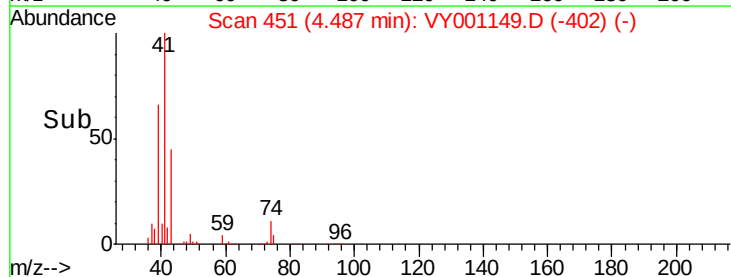
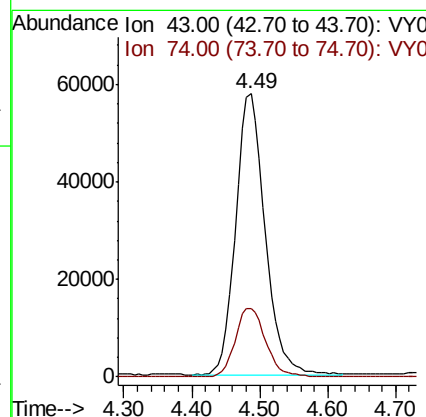
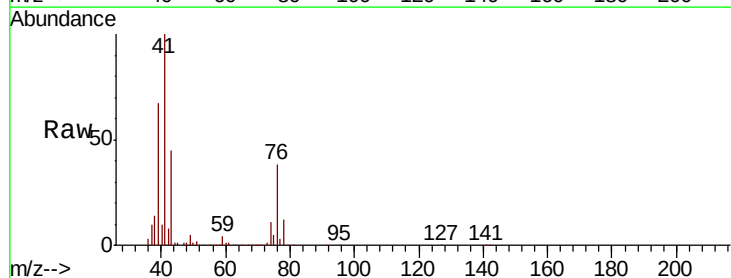
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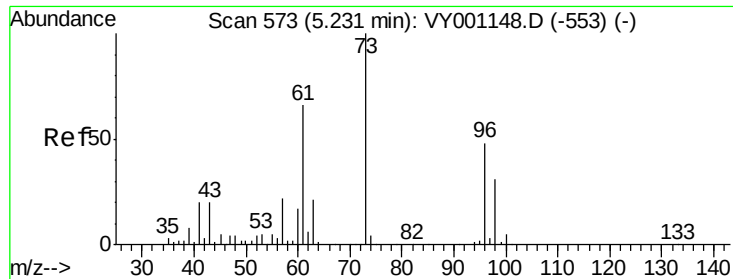
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#18
Methyl Acetate
Concen: 144.343 ug/l
RT: 4.49 min Scan# 451
Delta R.T. -0.00 min
Lab File: VY001149.D
Acq: 10 Jan 2020 15:23

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.2	20.2	30.2





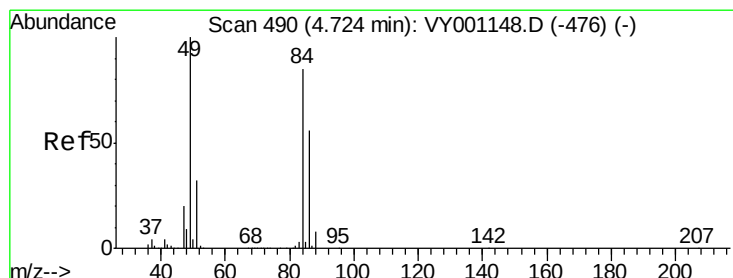
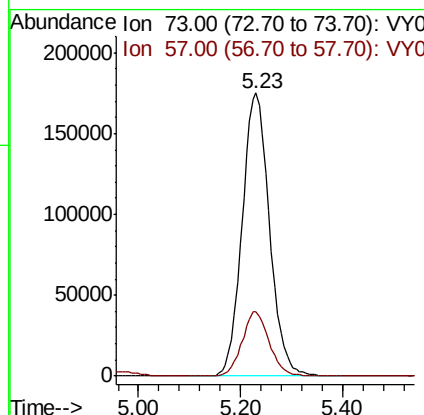
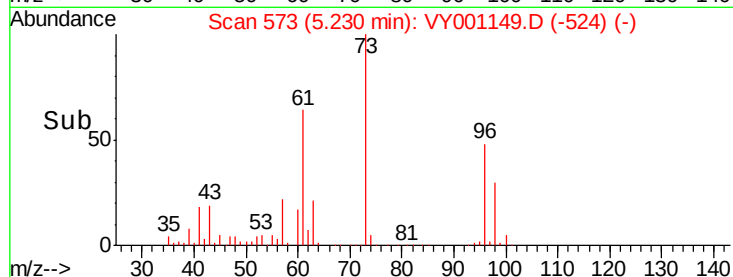
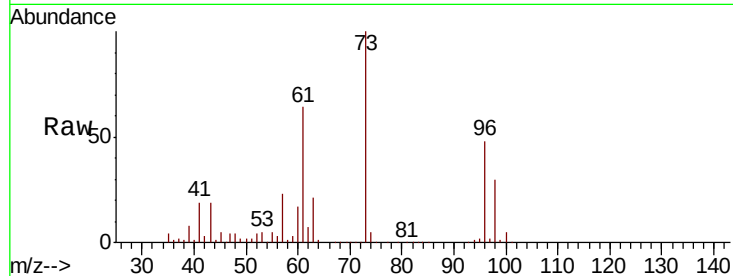
#19
Methyl tert-butyl Ether
Concen: 126.319 ug/l
RT: 5.23 min Scan# 573
Delta R.T. -0.00 min
Lab File: VY001149.D
Acq: 10 Jan 2020 15:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion: 73 Resp: 650182
Ion Ratio Lower Upper
73 100
57 22.6 17.8 26.6

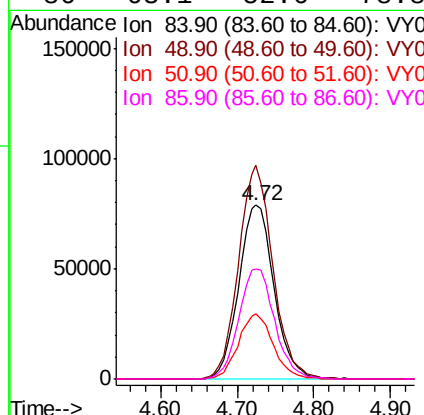
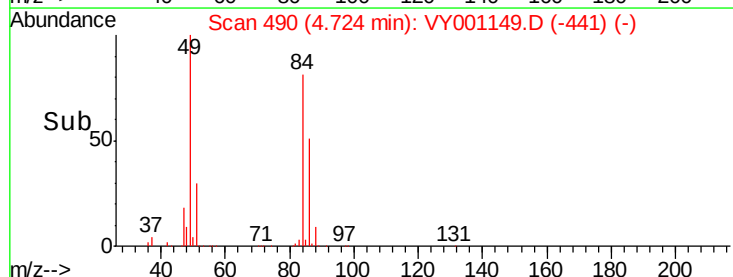
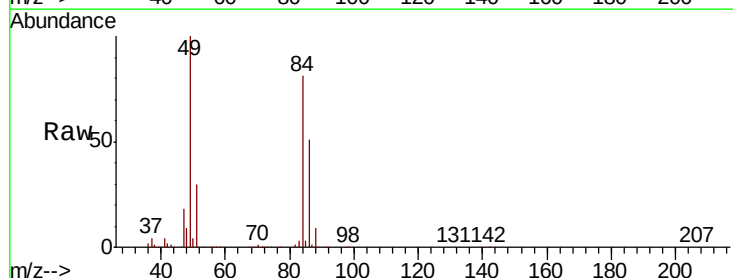
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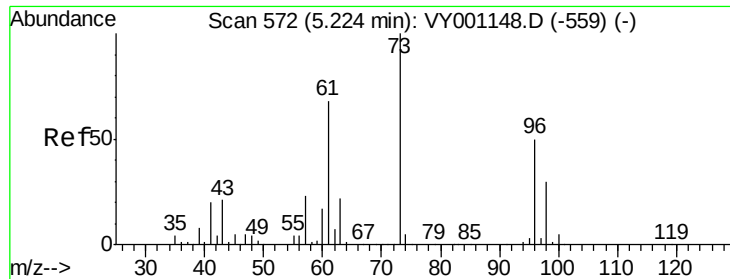
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#20
Methylene Chloride
Concen: 103.979 ug/l
RT: 4.72 min Scan# 490
Delta R.T. -0.00 min
Lab File: VY001149.D
Acq: 10 Jan 2020 15:23

Tgt Ion: 84 Resp: 252802
Ion Ratio Lower Upper
84 100
49 122.8 93.8 140.6
51 37.2 29.9 44.9
86 63.1 52.6 78.8





#21

trans-1,2-Dichloroethene

Concen: 113.954 ug/l

RT: 5.23 min Scan# 573

Delta R.T. 0.01 min

Lab File: VY001149.D

Acq: 10 Jan 2020 15:23

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion: 96 Resp: 263786

Ion Ratio Lower Upper

96 100

61 135.0 107.6 161.4

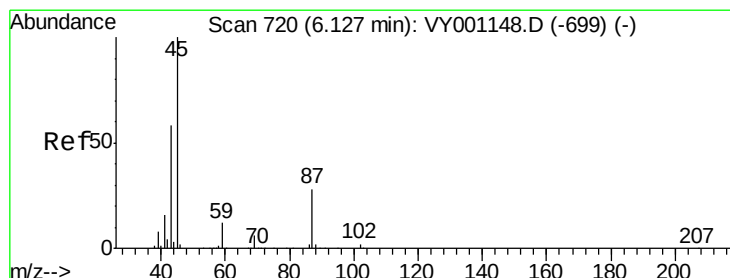
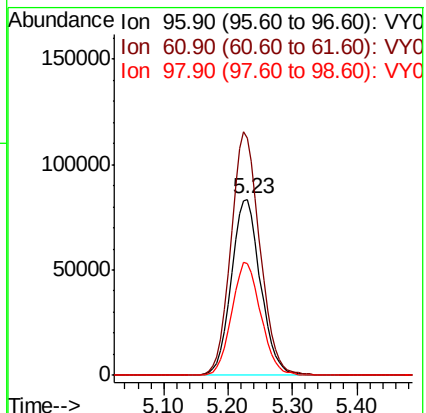
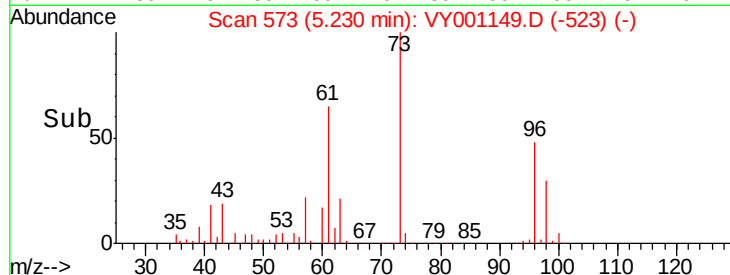
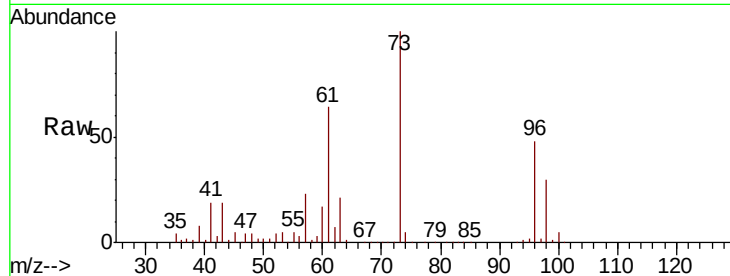
98 63.2 47.6 71.4

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#22

Diisopropyl ether

Concen: 166.489 ug/l

RT: 6.13 min Scan# 720

Delta R.T. -0.00 min

Lab File: VY001149.D

Acq: 10 Jan 2020 15:23

Tgt Ion: 45 Resp: 831553

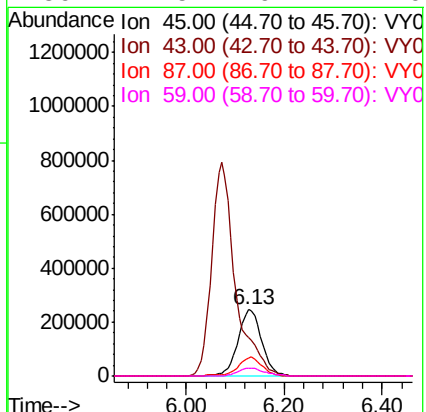
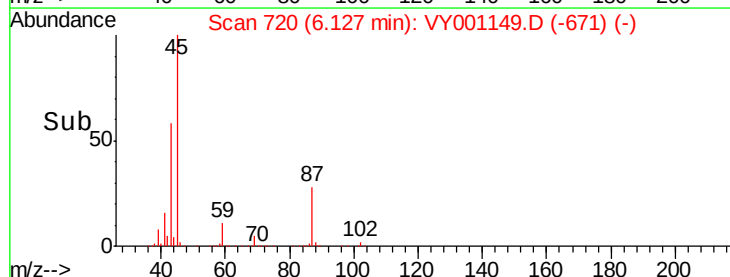
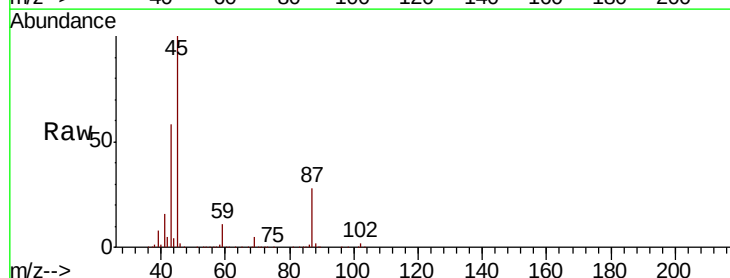
Ion Ratio Lower Upper

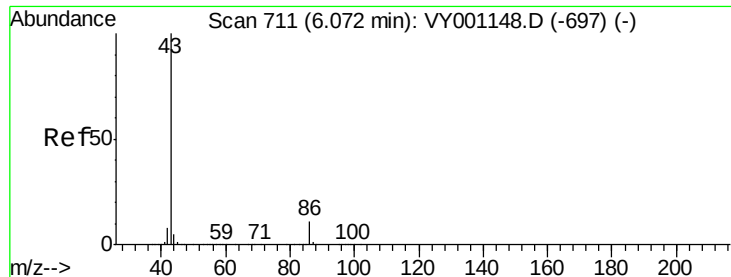
45 100

43 57.6 46.5 69.7

87 27.9 22.5 33.7

59 11.5 9.4 14.0





#23

Vinyl Acetate

Concen: 842.201 ug/l

RT: 6.07 min Scan# 711

Delta R.T. -0.00 min

Lab File: VY001149.D

Acq: 10 Jan 2020 15:23

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tot Ion: 43 Resp: 2660165

Ion Ratio Lower Upper

43 100

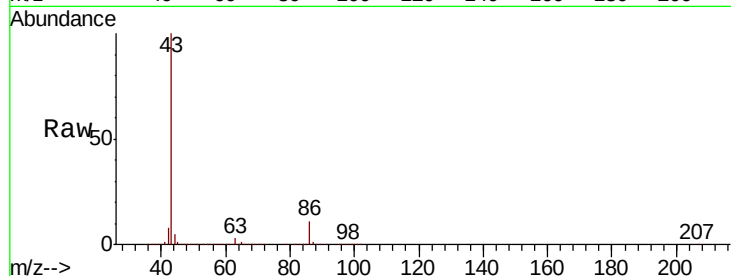
86 10.9 9.0 13.4

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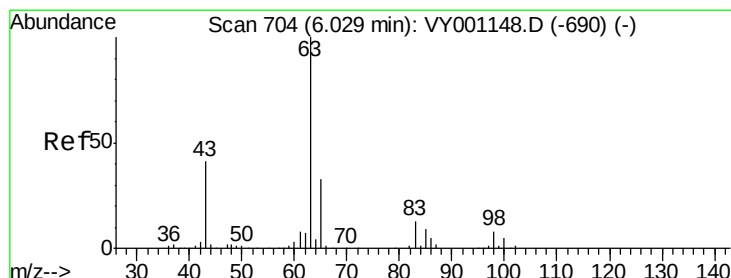
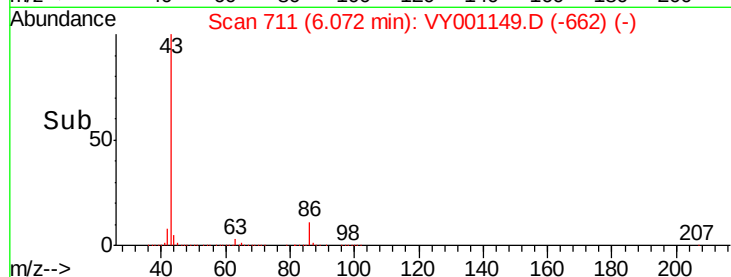
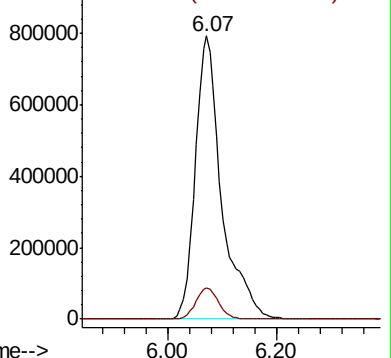
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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 135.767 ug/l

RT: 6.03 min Scan# 704

Delta R.T. -0.00 min

Lab File: VY001149.D

Acq: 10 Jan 2020 15:23

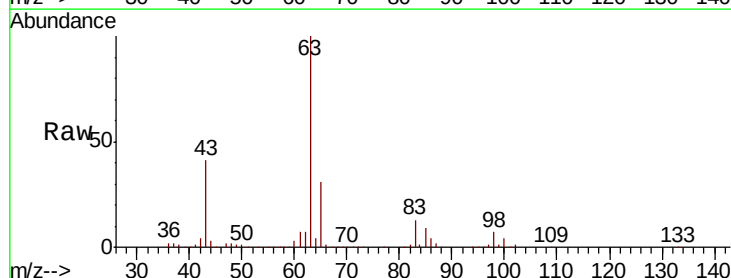
Tgt Ion: 63 Resp: 443439

Ion Ratio Lower Upper

63 100

98 7.1 3.9 11.7

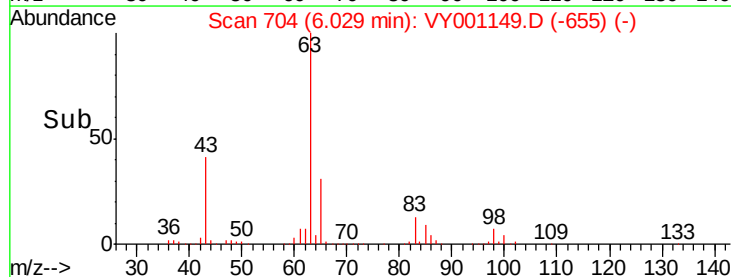
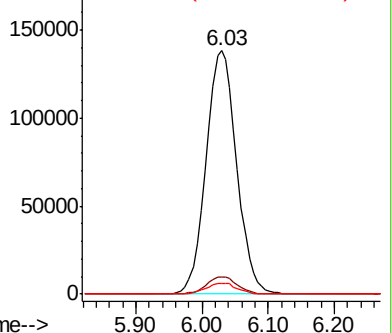
100 4.4 2.4 7.2

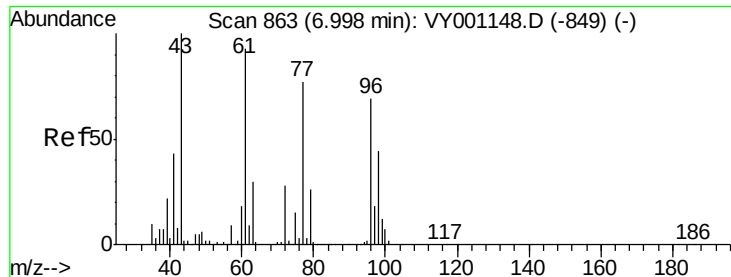


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





#25

2-Butanone

Concen: 677.286 ug/l

RT: 7.00 min Scan# 863

Delta R.T. -0.00 min

Lab File: VY001149.D

Acq: 10 Jan 2020 15:23

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 426668

Ion Ratio Lower Upper

43 100

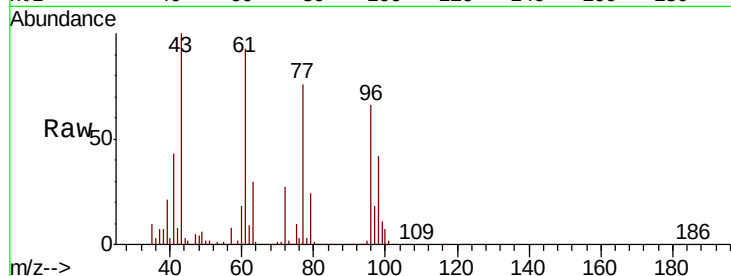
72 27.5 22.2 33.2

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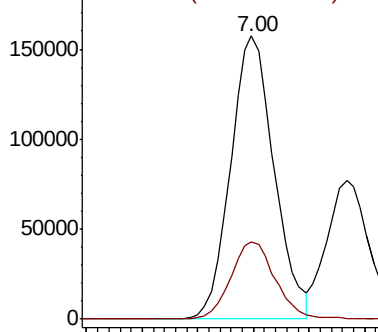
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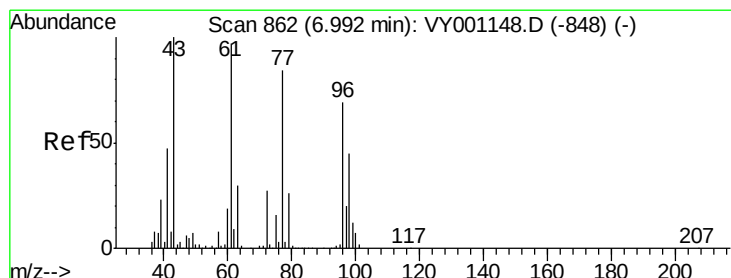
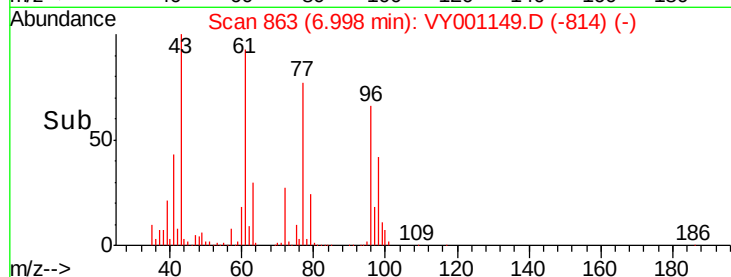


Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



Time-->



#26

2,2-Dichloropropane

Concen: 112.524 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.00 min

Lab File: VY001149.D

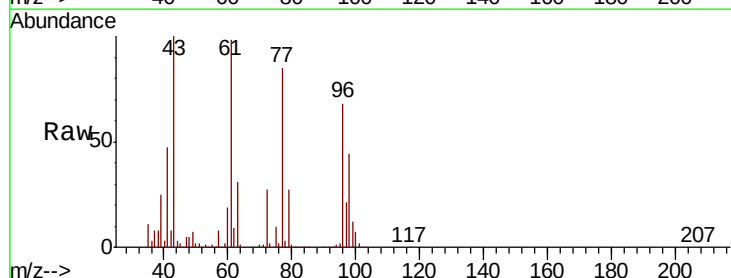
Acq: 10 Jan 2020 15:23

Tgt Ion: 77 Resp: 390944

Ion Ratio Lower Upper

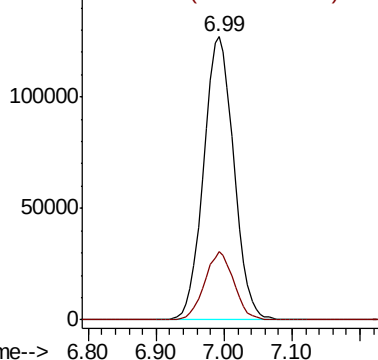
77 100

97 23.4 11.9 35.7

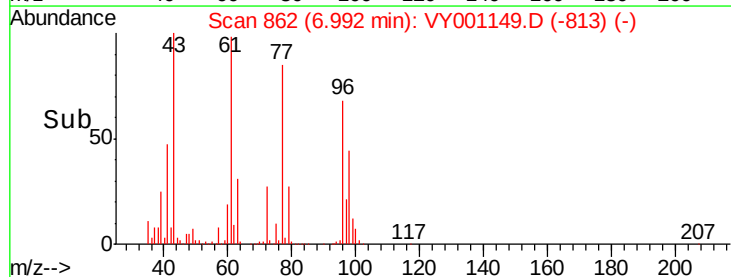


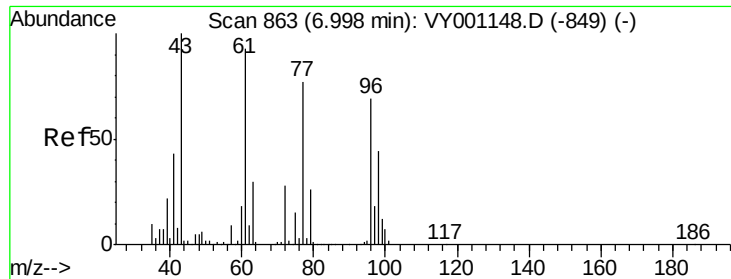
Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0



Time-->





#27

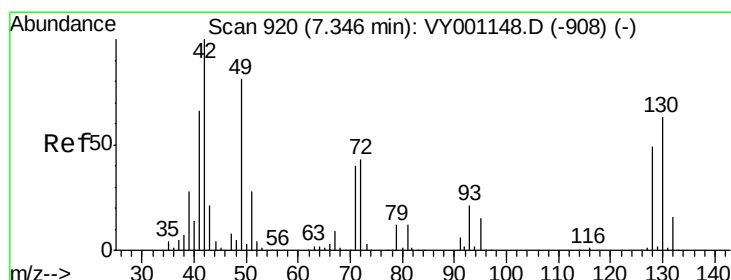
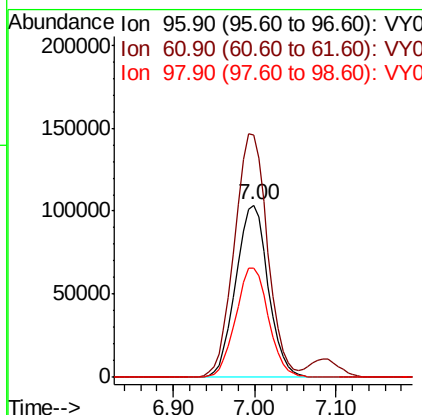
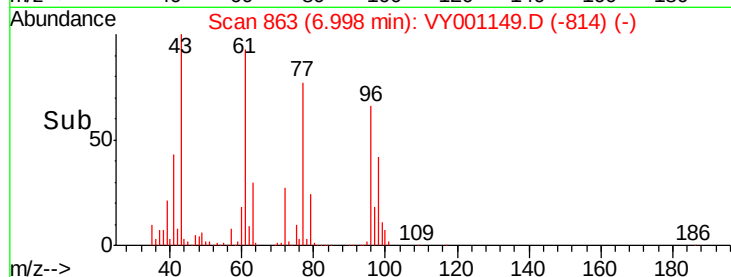
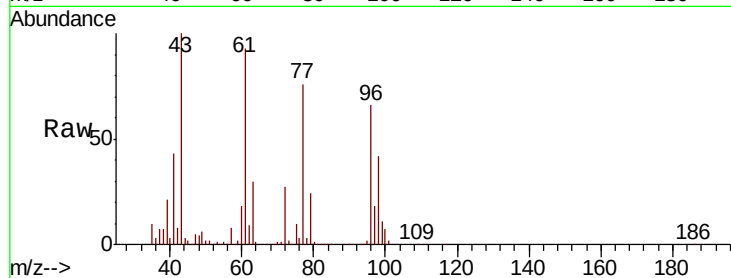
cis-1,2-Dichloroethene
Concen: 104.726 ug/l
RT: 7.00 min Scan# 863
Delta R.T. -0.00 min
Lab File: VY001149.D
Acq: 10 Jan 2020 15:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
96	100	285657		
61	144.4		0.0	284.0
98	64.5		0.0	130.2

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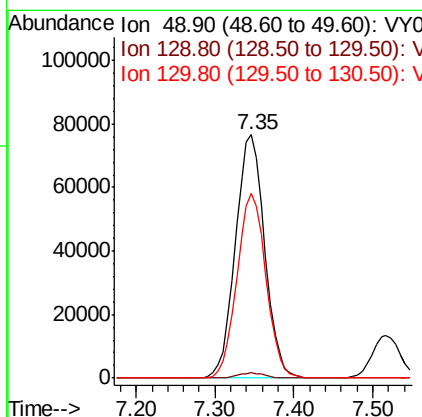
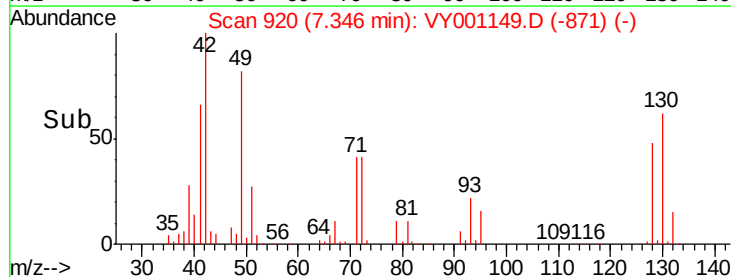
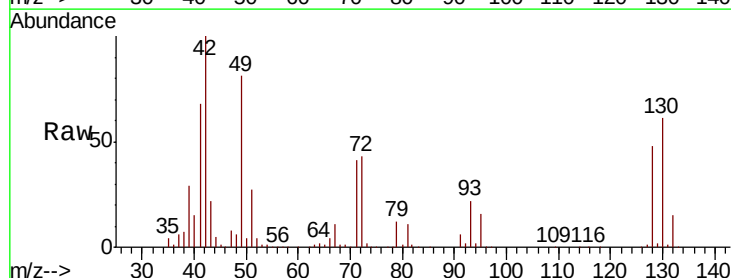
MMDadoda
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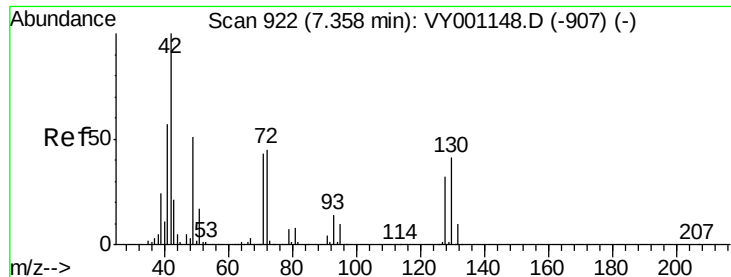


#28

Bromochloromethane
Concen: 153.278 ug/l
RT: 7.35 min Scan# 920
Delta R.T. -0.00 min
Lab File: VY001149.D
Acq: 10 Jan 2020 15:23

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	197190		
129	2.0		0.0	4.4
130	75.4		61.2	91.8





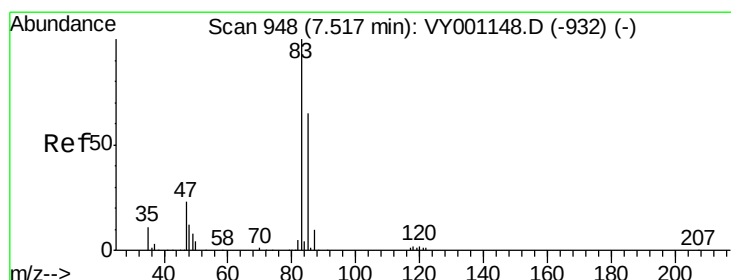
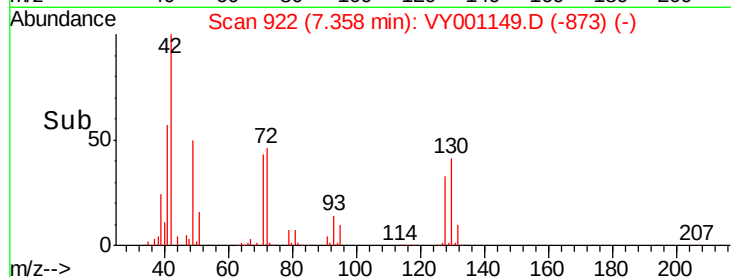
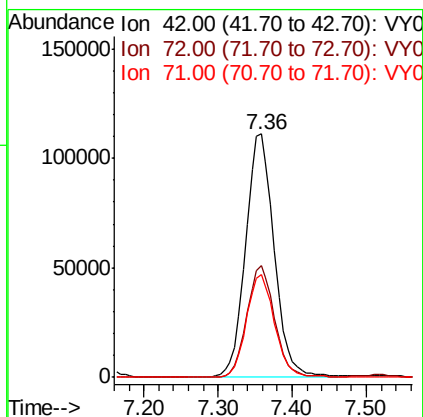
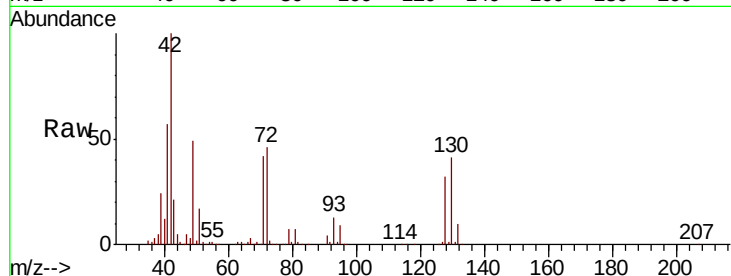
#29
Tetrahydrofuran
Concen: 700.379 ug/l
RT: 7.36 min Scan# 922
Delta R.T. -0.00 min
Lab File: VY001149.D
Acq: 10 Jan 2020 15:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.7	36.9	55.3
71	41.9	34.0	51.0

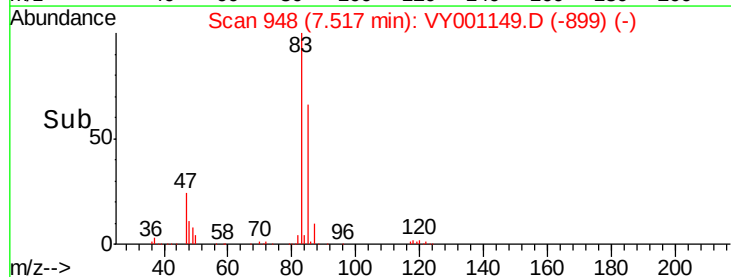
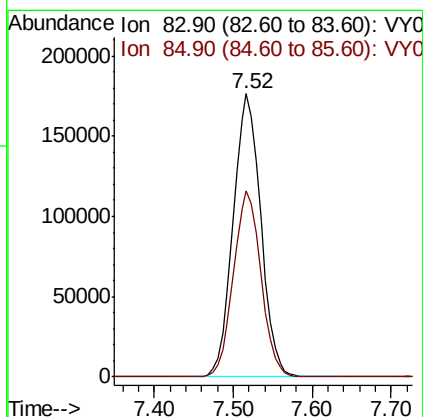
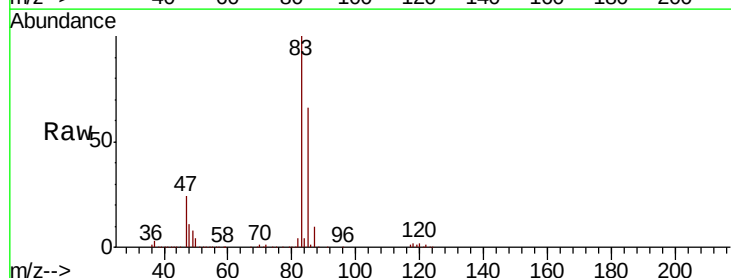
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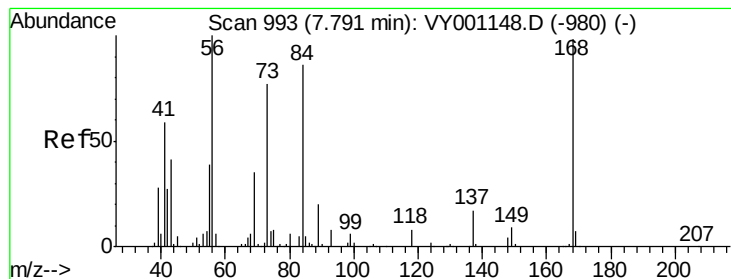
MMDadoda
1/13/2020 12:39:01 PM



#30
Chloroform
Concen: 109.660 ug/l
RT: 7.52 min Scan# 948
Delta R.T. -0.00 min
Lab File: VY001149.D
Acq: 10 Jan 2020 15:23

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	51.9	77.9





#31

Cyclohexane

Concen: 117.098 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.00 min

Lab File: VY001149.D

Acq: 10 Jan 2020 15:23

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 445312

Ion Ratio Lower Upper

56 100

69 33.4 27.8 41.8

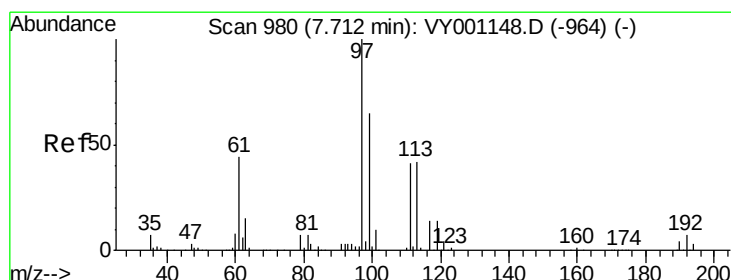
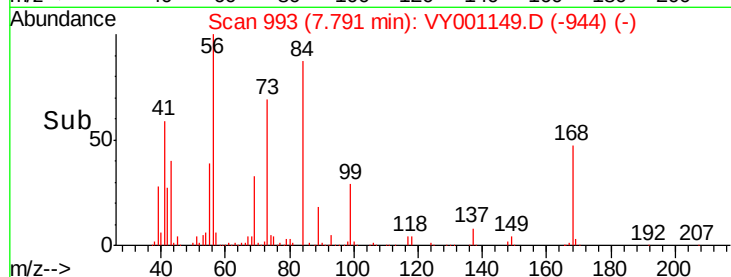
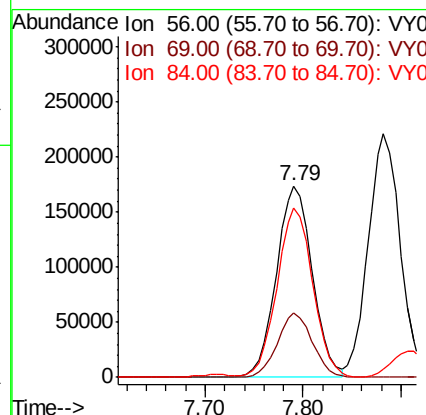
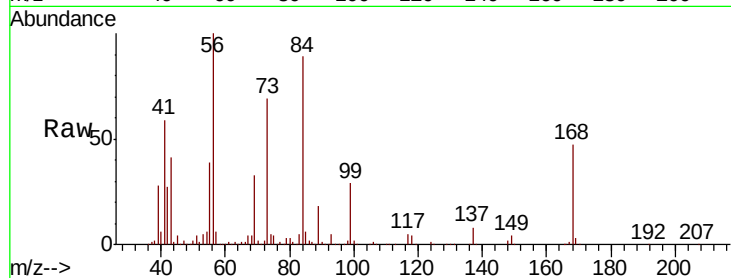
84 87.9 68.9 103.3

Manual Integrations

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1/13/2020 12:39:01 PM



#32

1,1,1-Trichloroethane

Concen: 105.110 ug/l

RT: 7.71 min Scan# 980

Delta R.T. -0.00 min

Lab File: VY001149.D

Acq: 10 Jan 2020 15:23

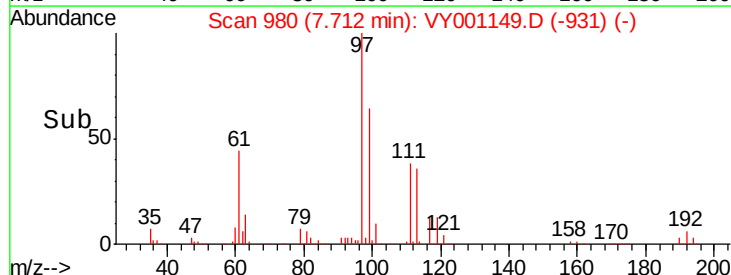
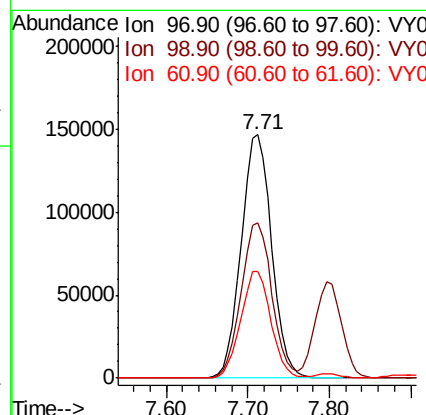
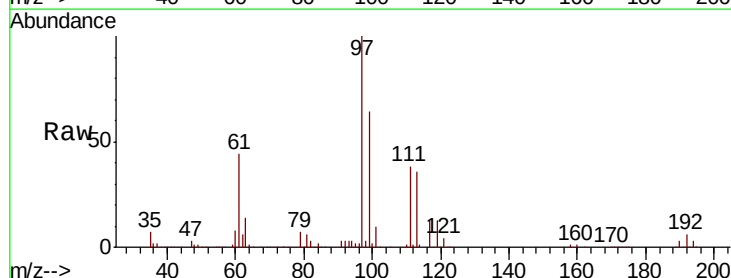
Tgt Ion: 97 Resp: 380178

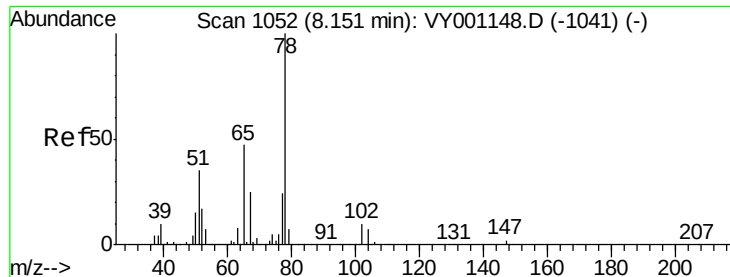
Ion Ratio Lower Upper

97 100

99 64.5 51.3 76.9

61 43.5 34.6 52.0





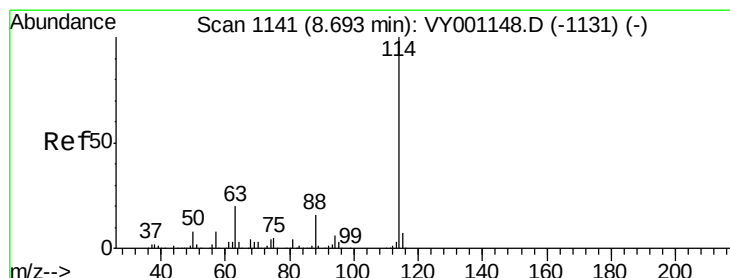
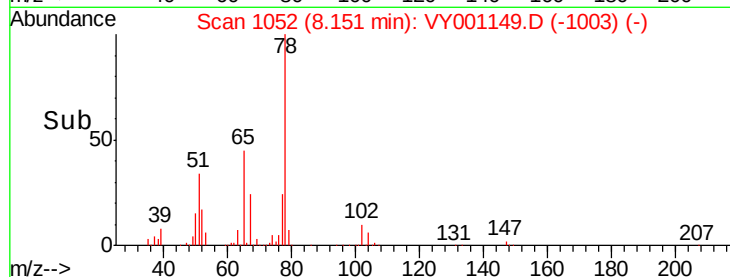
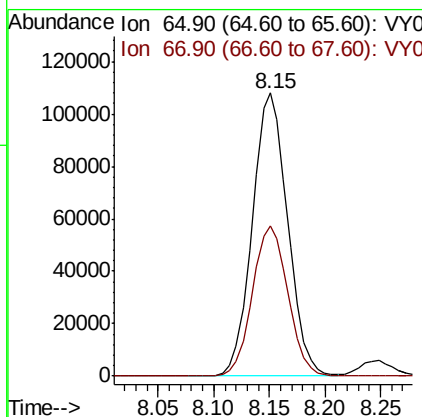
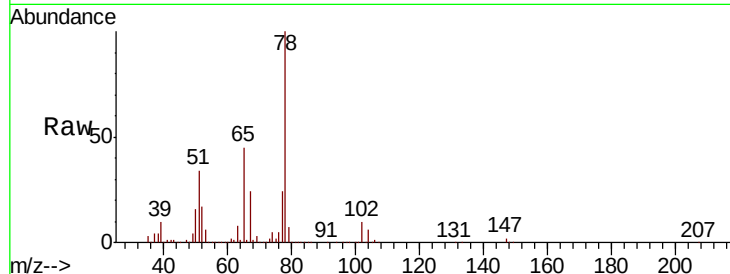
#33
 1,2-Dichloroethane-d4
 Concen: 121.817 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. -0.00 min
 Lab File: VY001149.D
 Acq: 10 Jan 2020 15:23

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
65	100	238073		
67	53.7	0.0	105.2	

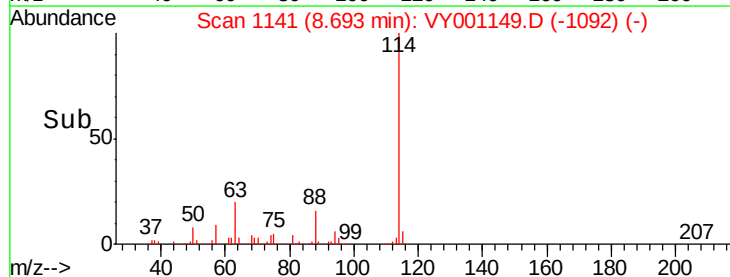
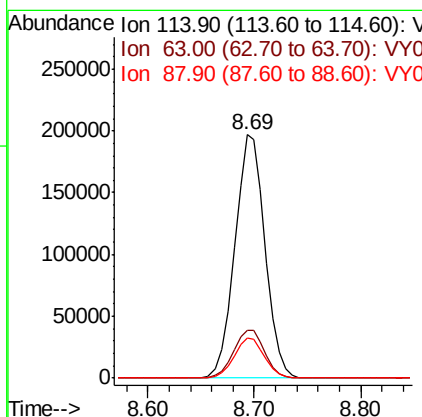
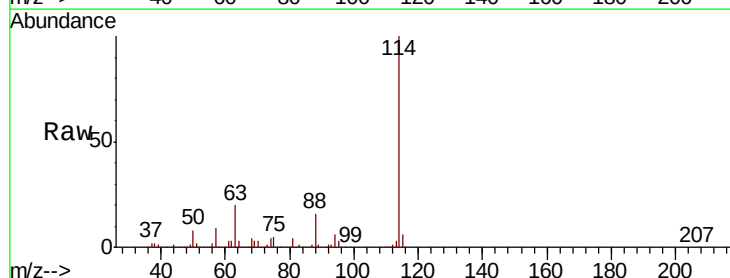
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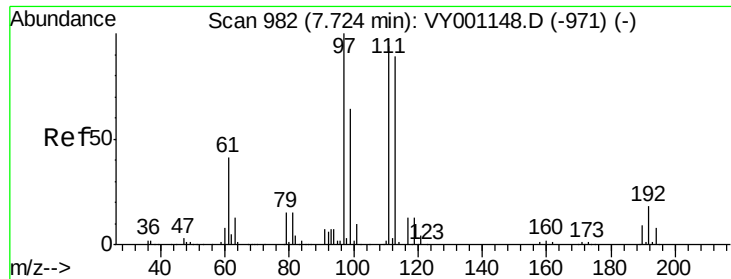
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.00 min
 Lab File: VY001149.D
 Acq: 10 Jan 2020 15:23

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	389031		
63	19.6	0.0	40.8	
88	16.5	0.0	32.4	





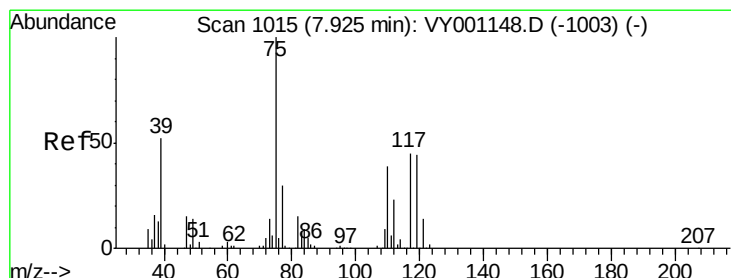
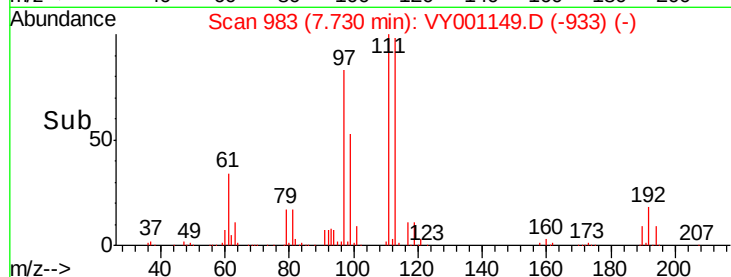
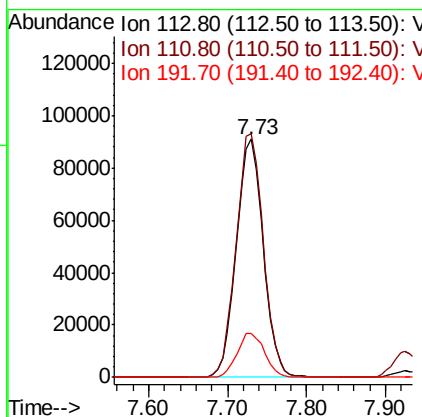
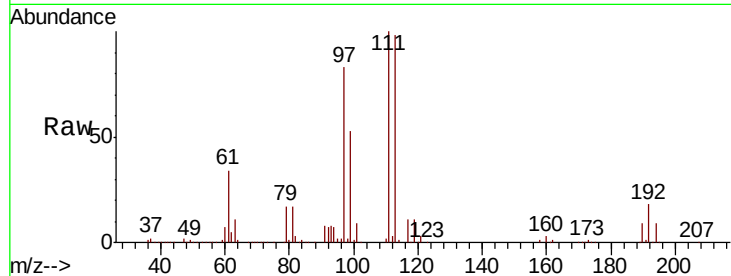
#35
 Dibromofluoromethane
 Concen: 97.714 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. 0.01 min
 Lab File: VY001149.D
 Acq: 10 Jan 2020 15:23

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
113	100	21636		
111	103.6	82.9	124.3	
192	19.1	15.4	23.2	

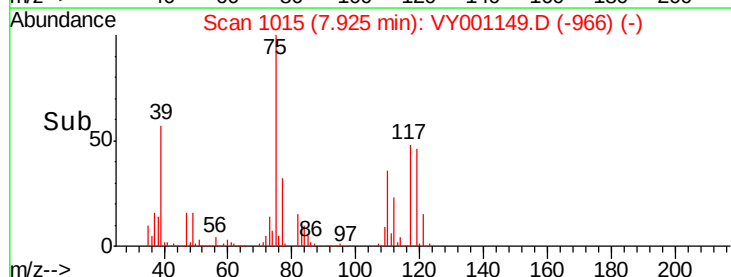
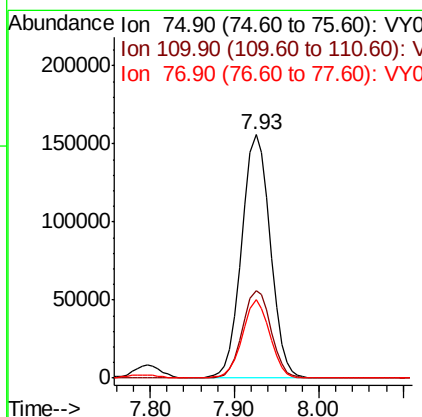
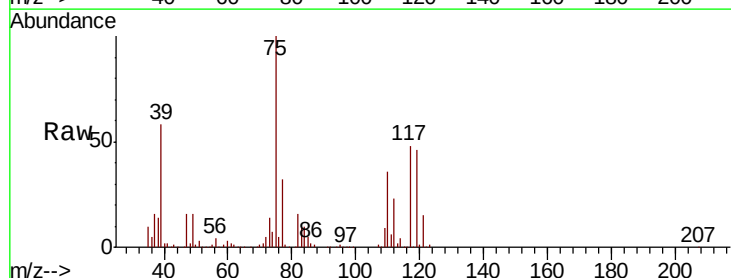
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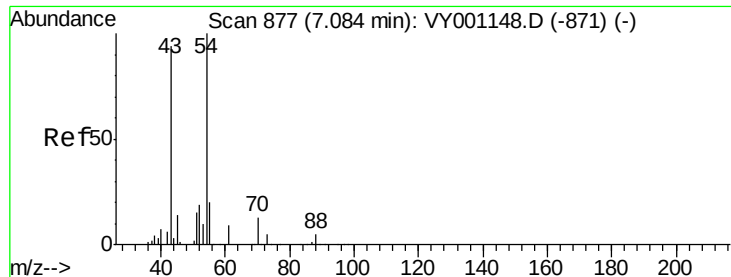
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 105.046 ug/l
 RT: 7.93 min Scan# 1015
 Delta R.T. -0.00 min
 Lab File: VY001149.D
 Acq: 10 Jan 2020 15:23

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	356925		
110	36.0	18.3	54.8	
77	31.0	25.1	37.7	





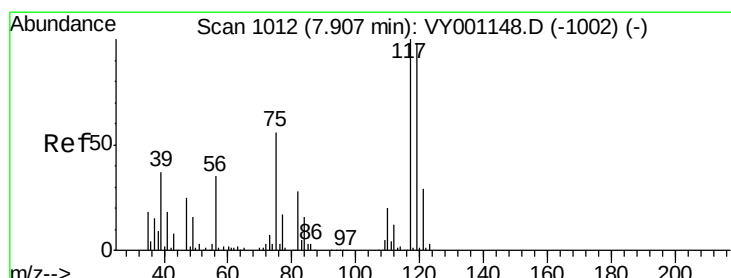
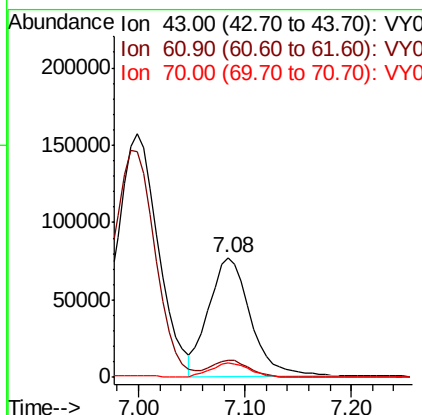
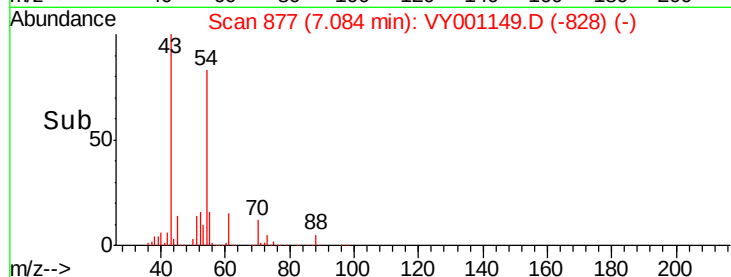
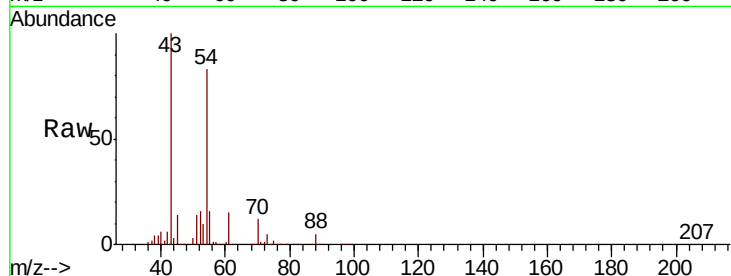
#37
Ethyl Acetate
Concen: 137.823 ug/l
RT: 7.08 min Scan# 877
Delta R.T. -0.00 min
Lab File: VY001149.D
Acq: 10 Jan 2020 15:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.9	11.1	16.7
70	11.4	9.7	14.5

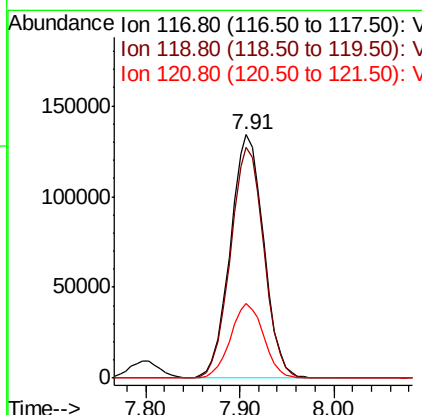
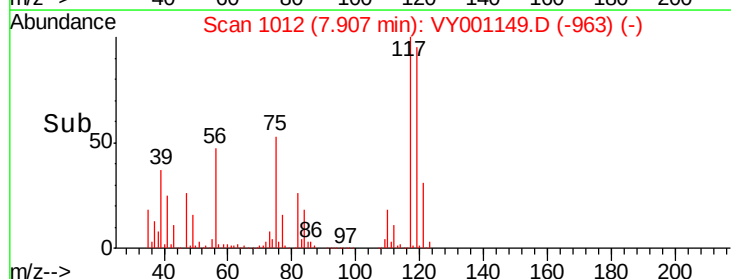
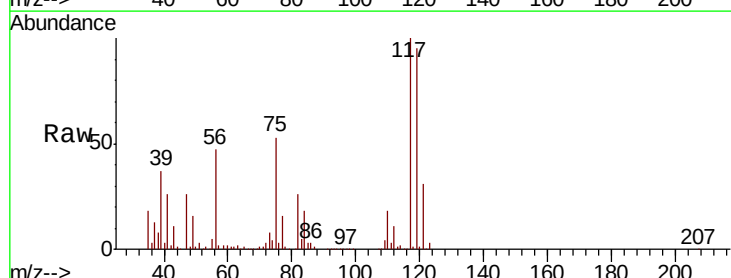
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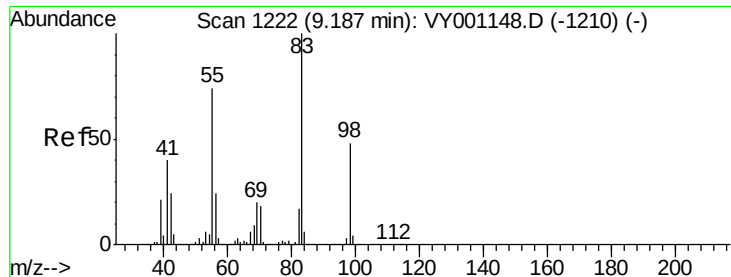
MMDadoda
1/13/2020 12:39:01 PM



#38
Carbon Tetrachloride
Concen: 95.562 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VY001149.D
Acq: 10 Jan 2020 15:23

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.9	78.3	117.5
121	30.5	23.5	35.3





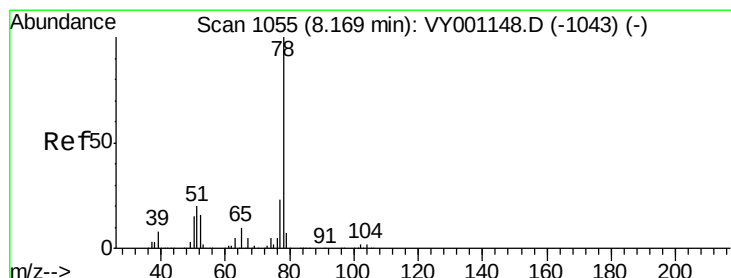
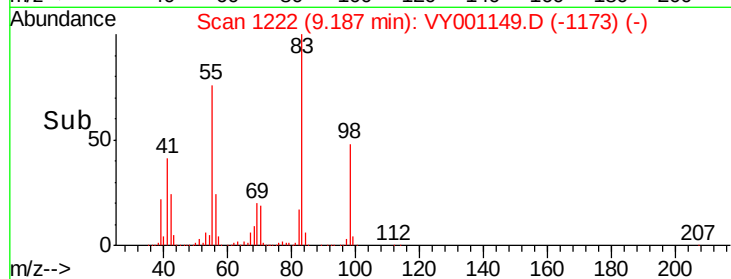
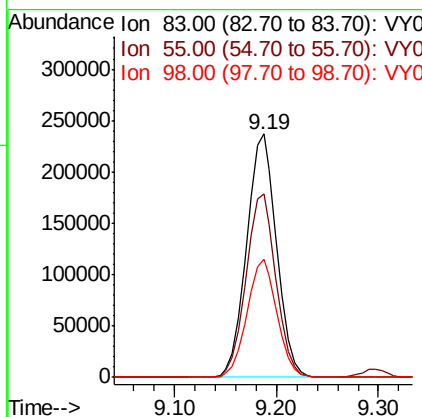
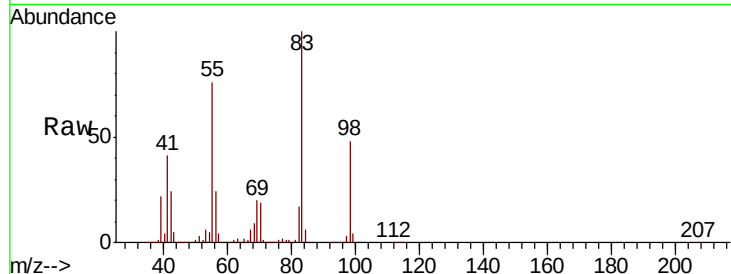
#39
Methylvlcyclohexane
Concen: 102.953 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.00 min
Lab File: VY001149.D
Acq: 10 Jan 2020 15:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.5	58.9	88.3
98	48.4	38.4	57.6

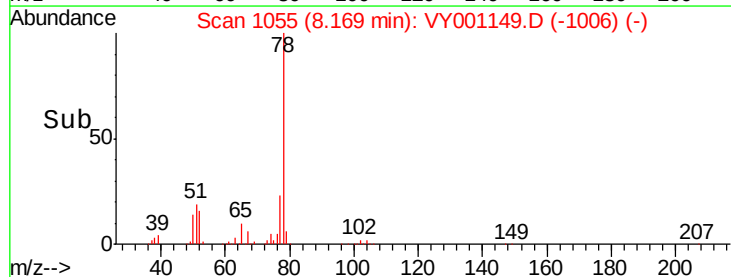
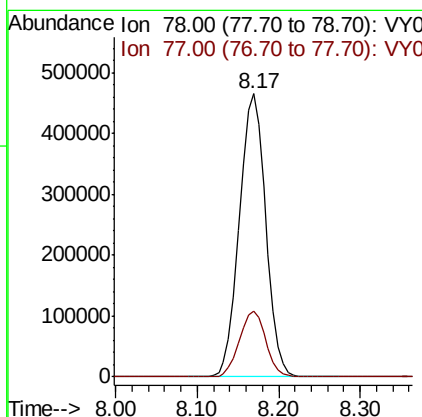
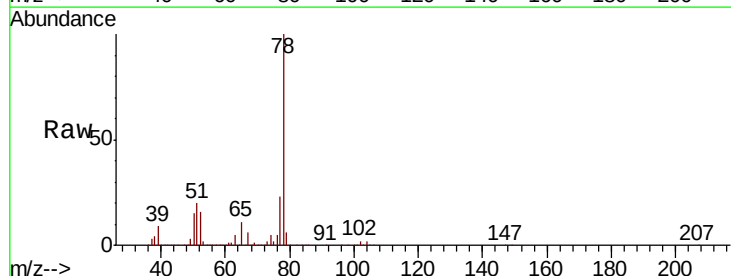
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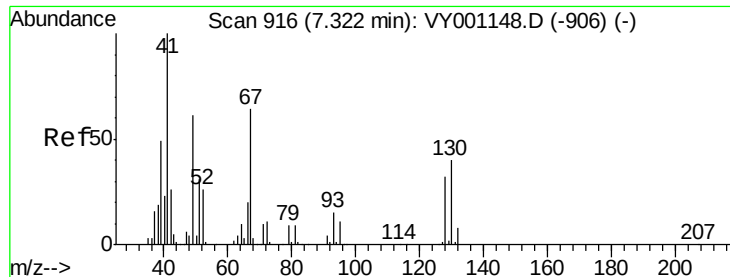
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#40
Benzene
Concen: 100.377 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. -0.00 min
Lab File: VY001149.D
Acq: 10 Jan 2020 15:23

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.8	28.2





#41

Methacrylonitrile

Concen: 130.389 ug/l m

RT: 7.33 min Scan# 917

Delta R.T. 0.01 min

Lab File: VY001149.D

Acq: 10 Jan 2020 15:23

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion: 41 Resp: 97280

Ion Ratio Lower Upper

41 100

39 0.0 103.5 155.3#

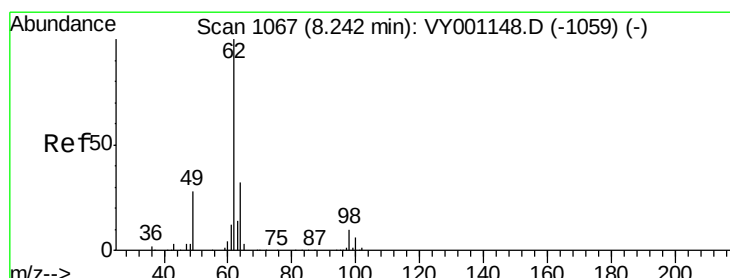
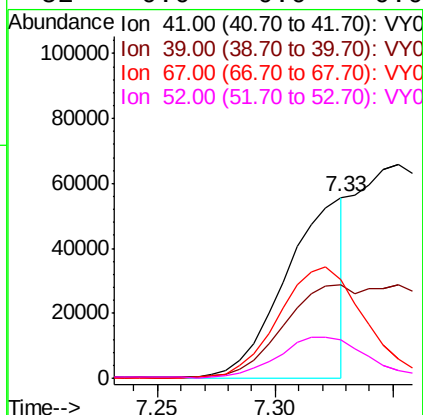
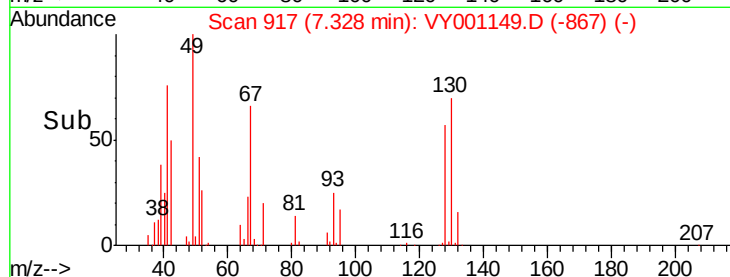
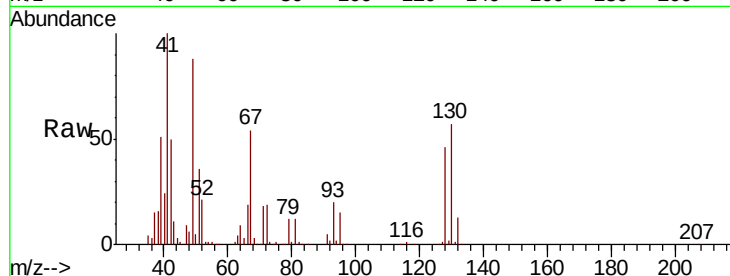
67 0.0 0.0 0.0

52 0.0 0.0 0.0

Manual Integrations
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MMDadoda

1/13/2020 12:39:01 PM



#42

1,2-Dichloroethane

Concen: 114.656 ug/l

RT: 8.25 min Scan# 1068

Delta R.T. 0.01 min

Lab File: VY001149.D

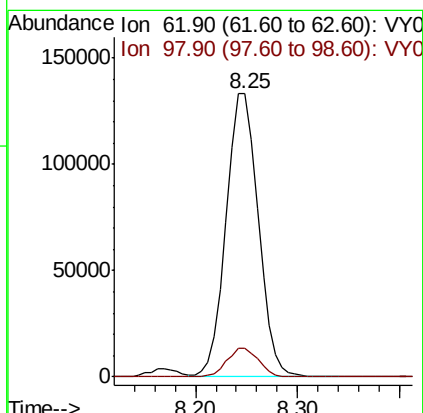
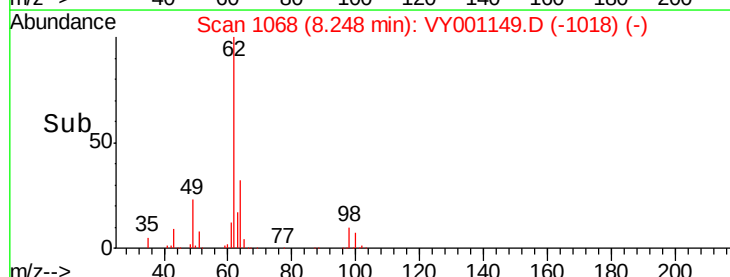
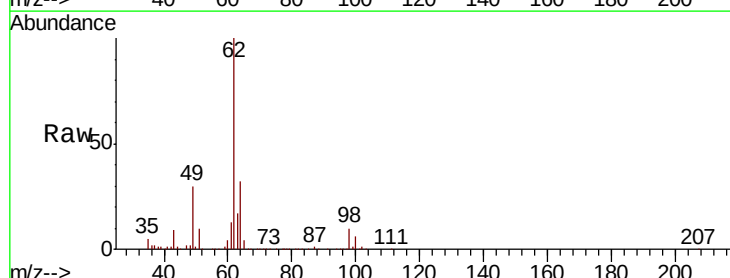
Acq: 10 Jan 2020 15:23

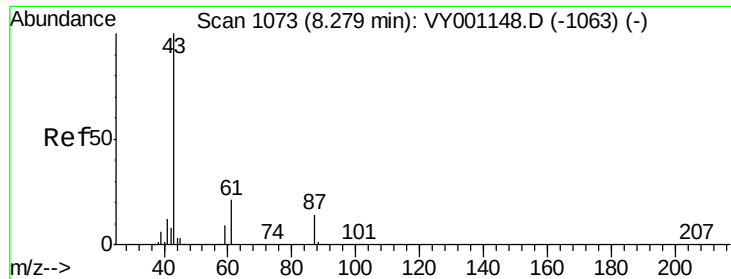
Tgt Ion: 62 Resp: 292122

Ion Ratio Lower Upper

62 100

98 10.0 0.0 20.4





#43

Isopropyl Acetate

Concen: 134.479 ug/l

RT: 8.28 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VY001149.D

Acq: 10 Jan 2020 15:23

Instrument :

MSVOA_Y

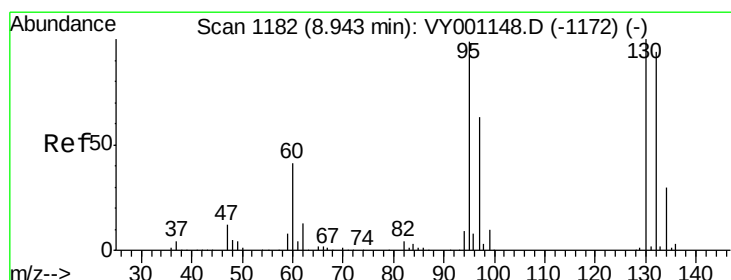
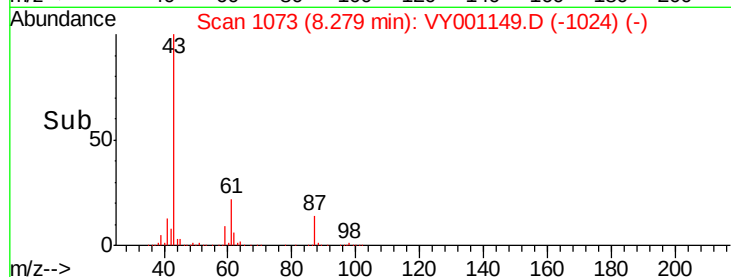
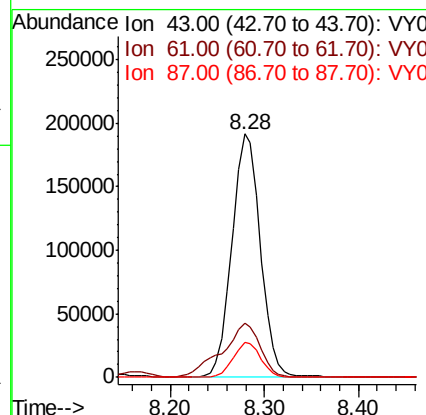
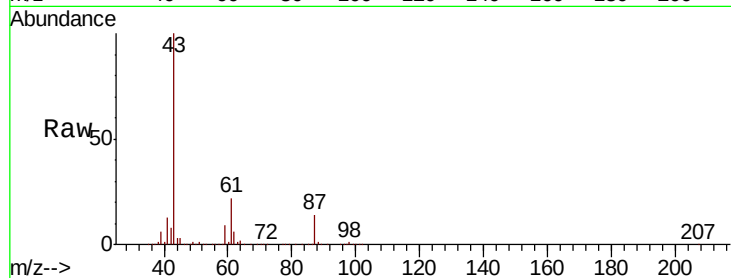
ClientSampleId :

VSTDICC100

Tot Ion:	43	Resp:	399886
Ion	Ratio	Lower	Upper
43	100		
61	29.6	23.9	35.9
87	14.0	11.4	17.2

Manual Integrations
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#44

Trichloroethene

Concen: 88.718 ug/l

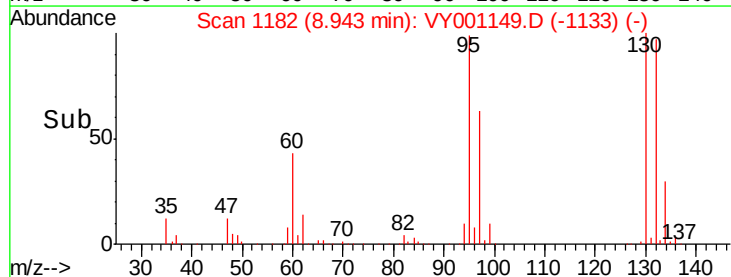
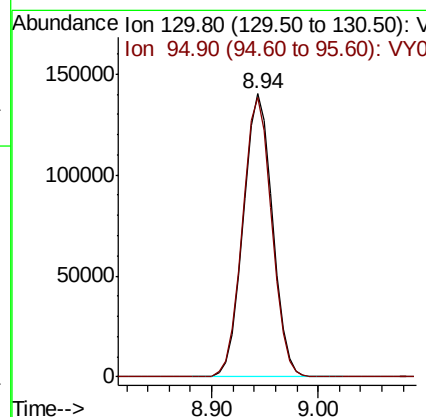
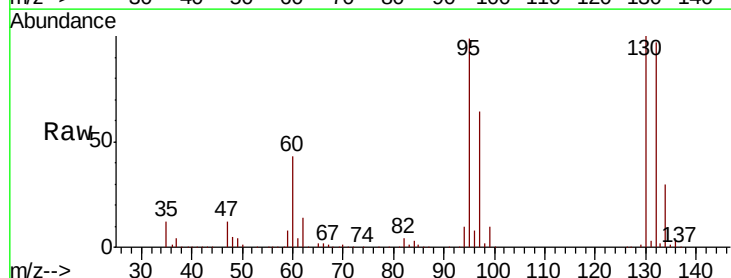
RT: 8.94 min Scan# 1182

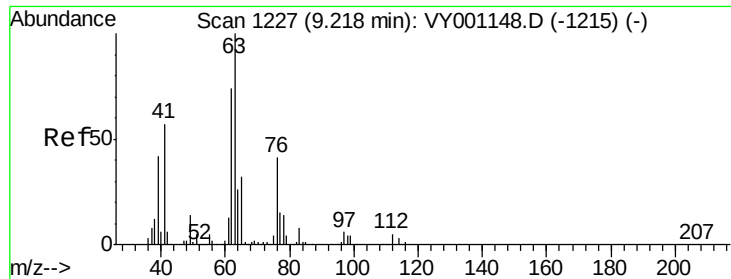
Delta R.T. -0.00 min

Lab File: VY001149.D

Acq: 10 Jan 2020 15:23

Tgt Ion:	130	Resp:	270557
Ion	Ratio	Lower	Upper
130	100		
95	98.9	0.0	197.6





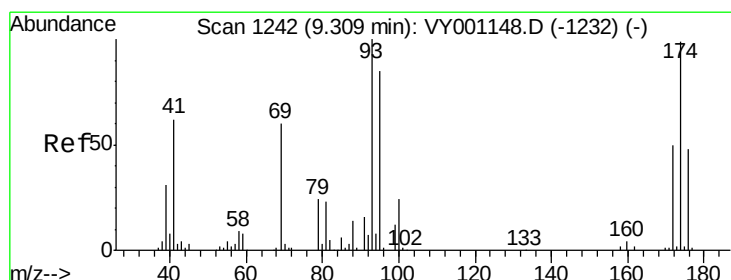
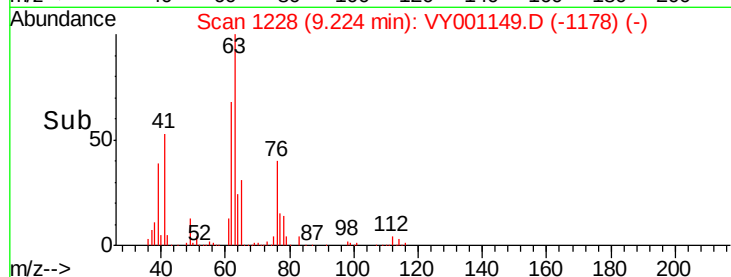
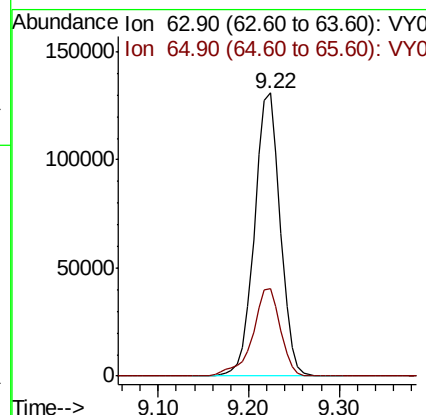
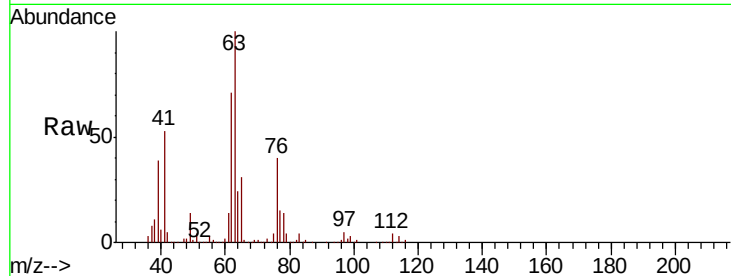
#45
 1,2-Dichloropropane
 Concen: 109.144 ug/l
 RT: 9.22 min Scan# 1228
 Delta R.T. 0.01 min
 Lab File: VY001149.D
 Acq: 10 Jan 2020 15:23

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.1	25.8	38.8

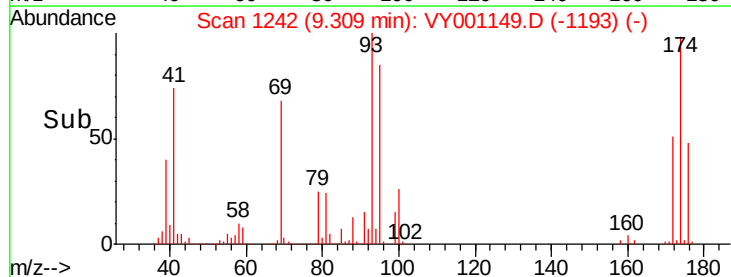
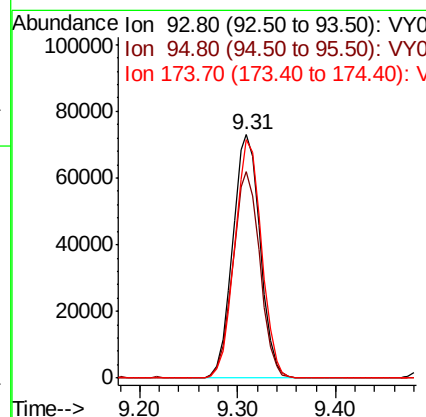
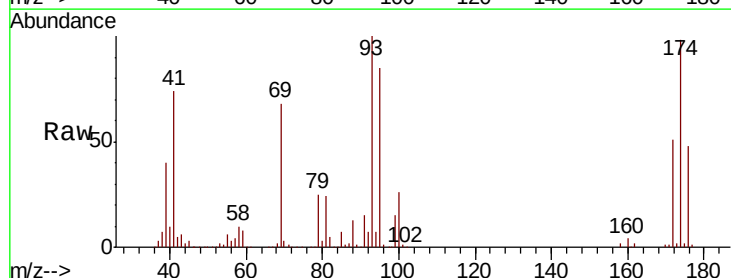
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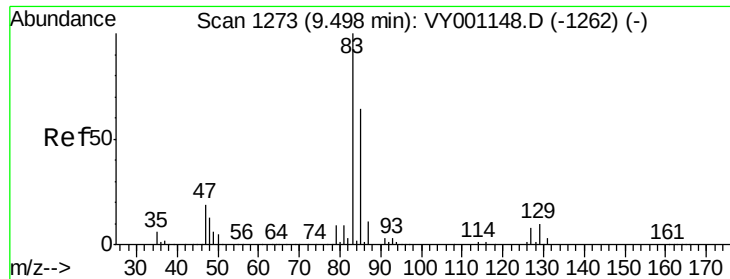
MMDadoda
 1/13/2020 12:39:01 PM



#46
 Dibromomethane
 Concen: 102.888 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. -0.00 min
 Lab File: VY001149.D
 Acq: 10 Jan 2020 15:23

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.5	66.8	100.2
174	95.9	78.4	117.6





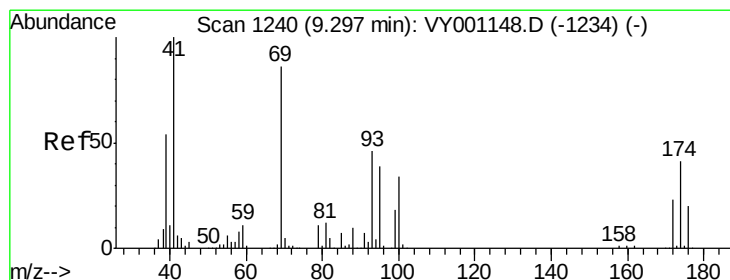
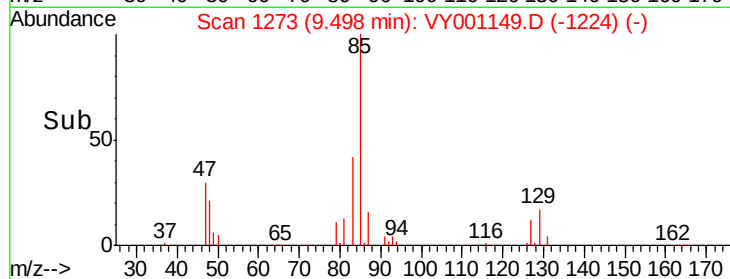
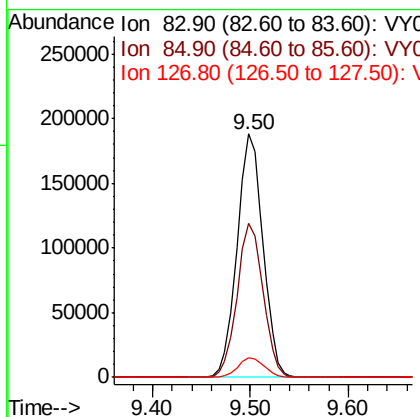
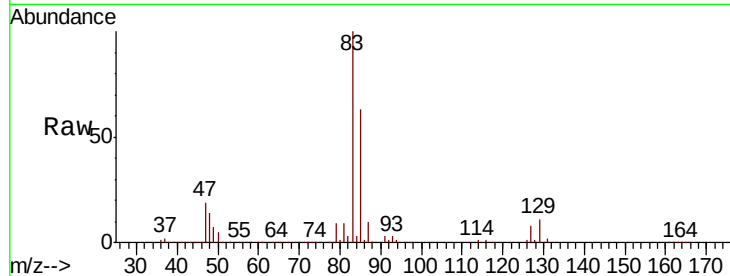
#47
Bromodichloromethane
Concen: 110.417 ug/l
RT: 9.50 min Scan# 1273
Delta R.T. -0.00 min
Lab File: VY001149.D
Acq: 10 Jan 2020 15:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
83	100	345713		
85	63.0		51.5	77.3
127	7.8		6.3	9.5

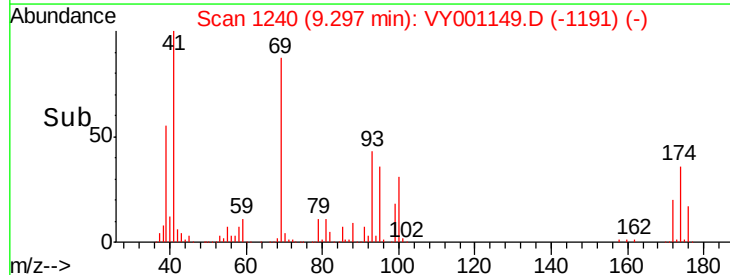
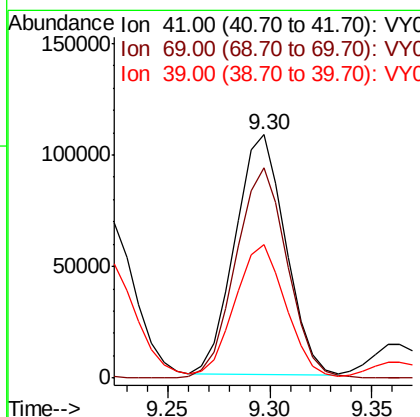
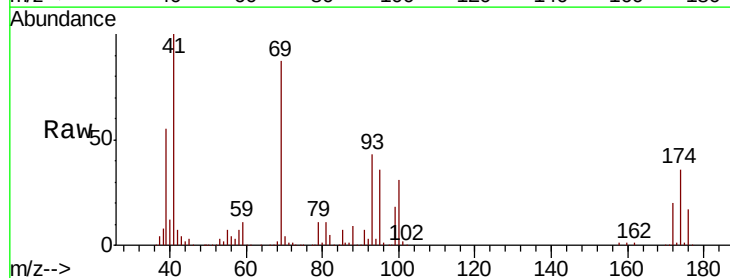
Manual Integrations
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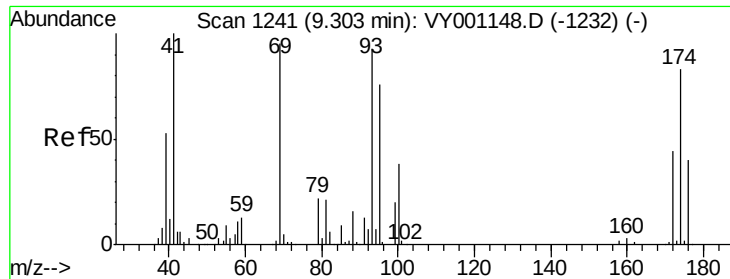
MMDadoda
1/13/2020 12:39:01 PM



#48
Methyl methacrylate
Concen: 143.098 ug/l
RT: 9.30 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VY001149.D
Acq: 10 Jan 2020 15:23

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	185405		
69	89.3		69.8	104.8
39	56.2		45.2	67.8





#49

1,4-Dioxane

Concen: 1694.350 ug/l

RT: 9.30 min Scan# 1241

Delta R.T. -0.00 min

Lab File: VY001149.D

Acq: 10 Jan 2020 15:23

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion: 88 Resp: 34483

Ion Ratio Lower Upper

88 100

43 29.5 22.4 33.6

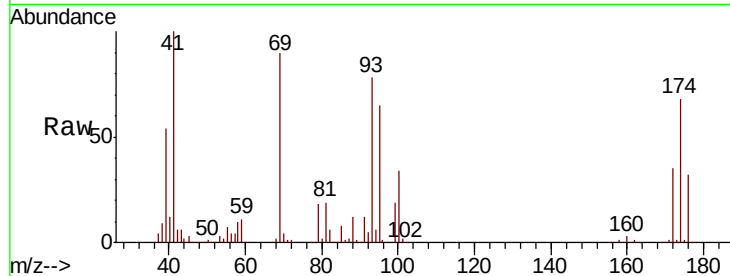
58 78.1 58.0 87.0

Manual Integrations

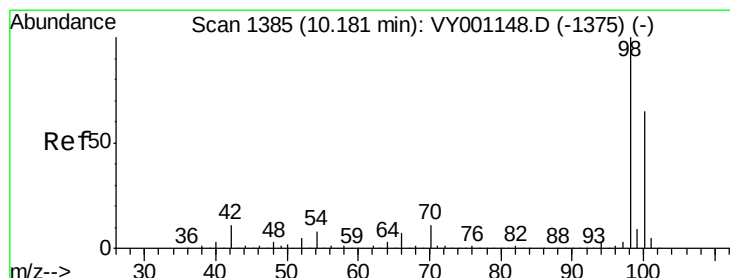
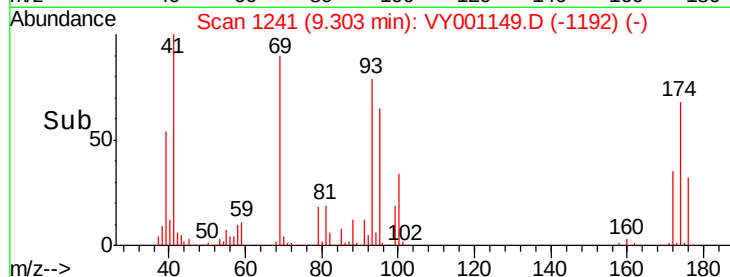
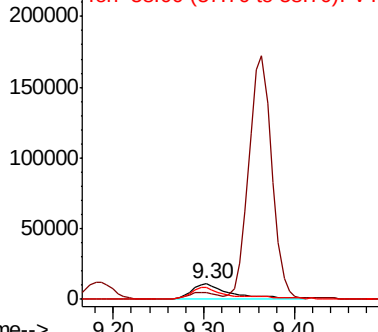
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Abundance Ion 88.00 (87.70 to 88.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0



#50

Toluene-d8

Concen: 108.130 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY001149.D

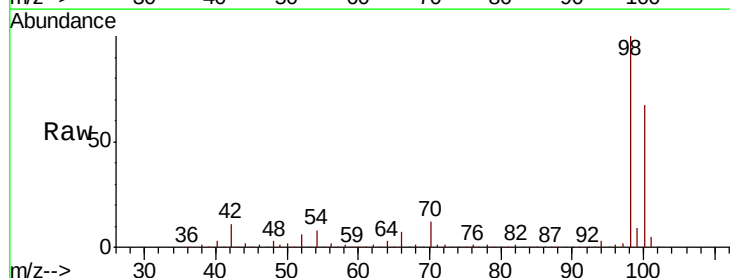
Acq: 10 Jan 2020 15:23

Tgt Ion: 98 Resp: 893644

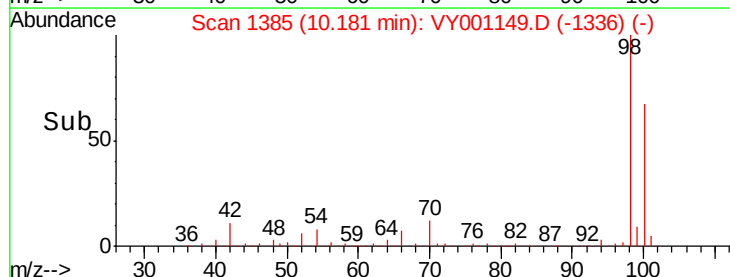
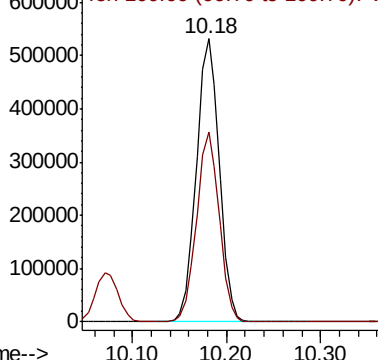
Ion Ratio Lower Upper

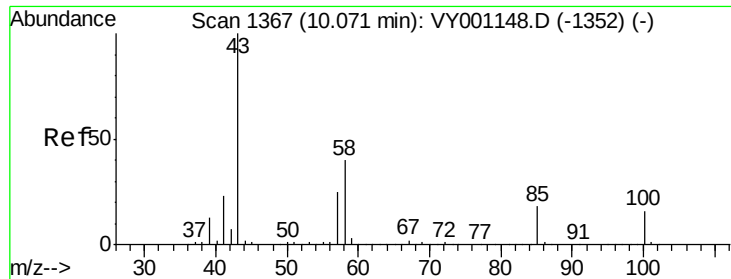
98 100

100 66.3 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VY0
Ion 100.00 (99.70 to 100.70): VY0





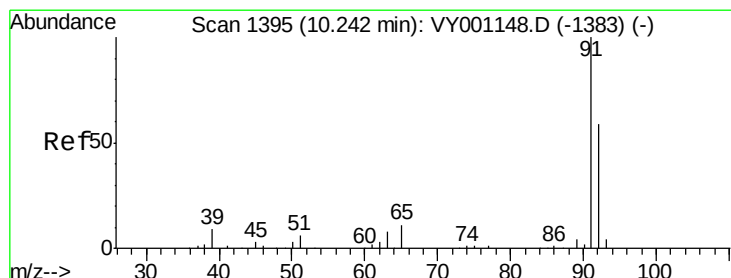
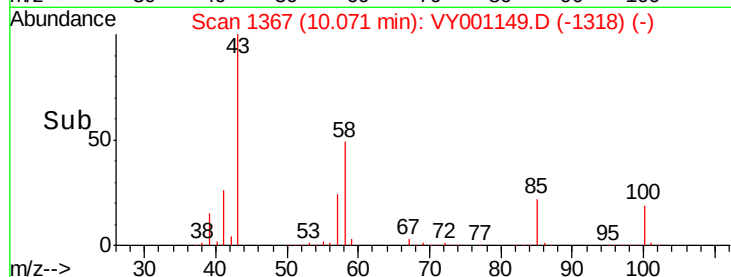
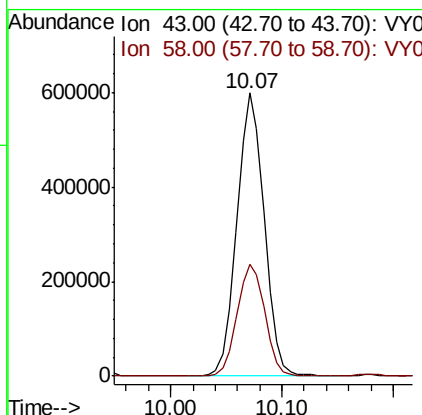
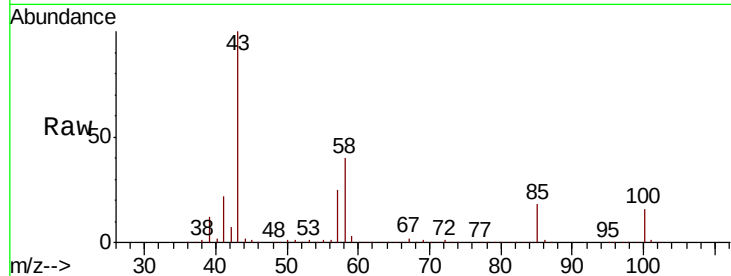
#51
4-Methyl-2-Pentanone
Concen: 706.714 ug/l
RT: 10.07 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VY001149.D
Acq: 10 Jan 2020 15:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 1012858
Ion Ratio Lower Upper
43 100
58 40.3 32.3 48.5

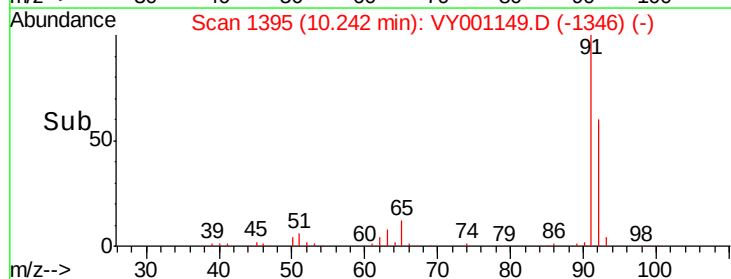
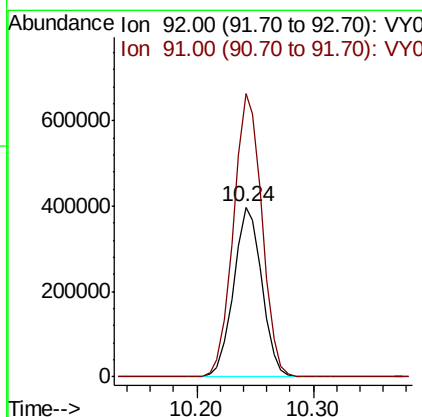
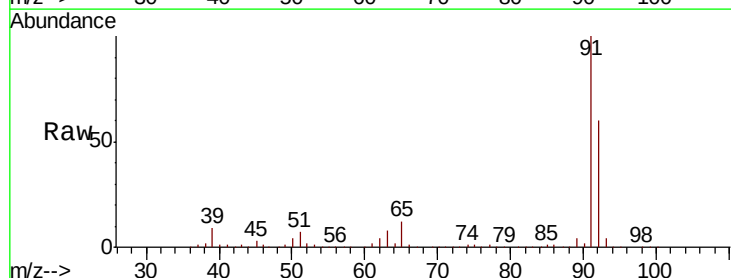
Manual Integrations
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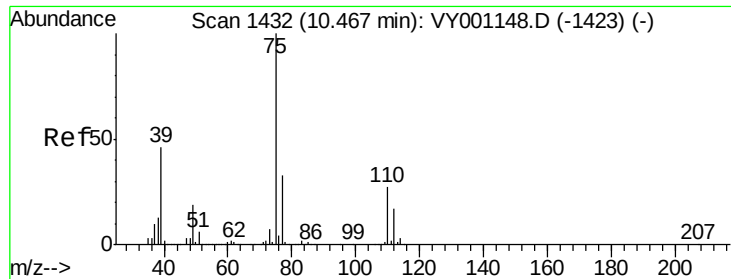
MMDadoda
1/13/2020 12:39:01 PM



#52
Toluene
Concen: 104.533 ug/l
RT: 10.24 min Scan# 1395
Delta R.T. -0.00 min
Lab File: VY001149.D
Acq: 10 Jan 2020 15:23

Tgt Ion: 92 Resp: 669607
Ion Ratio Lower Upper
92 100
91 168.6 136.6 204.8





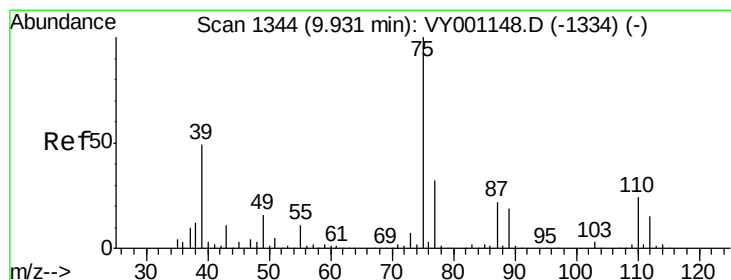
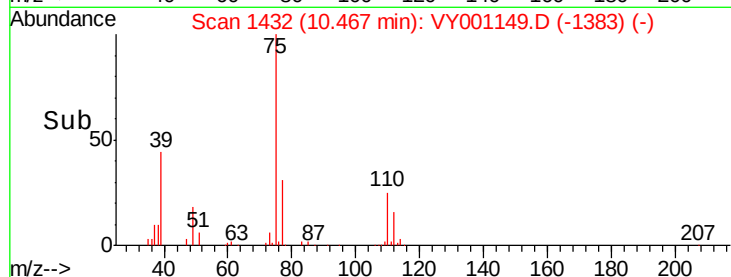
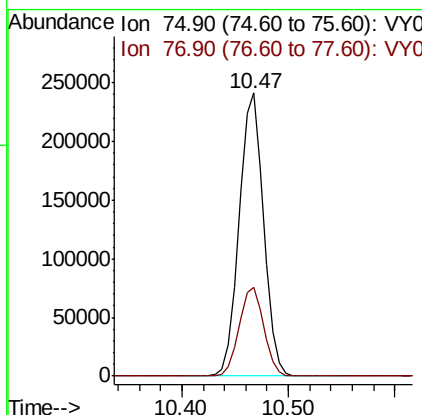
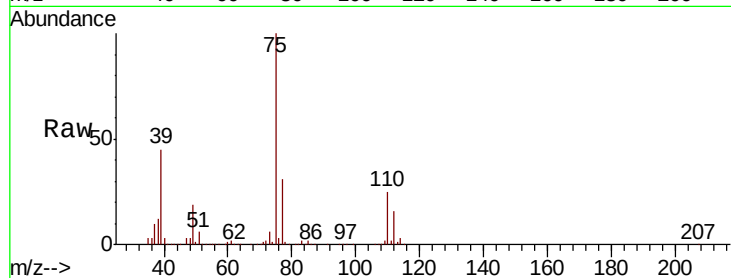
#53
t-1,3-Dichloropropene
Concen: 117.311 ug/l
RT: 10.47 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VY001149.D
Acq: 10 Jan 2020 15:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.3	26.2	39.2

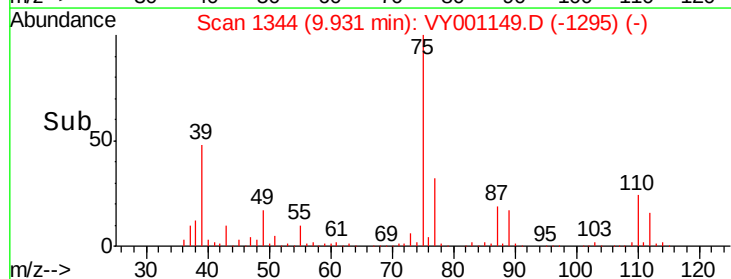
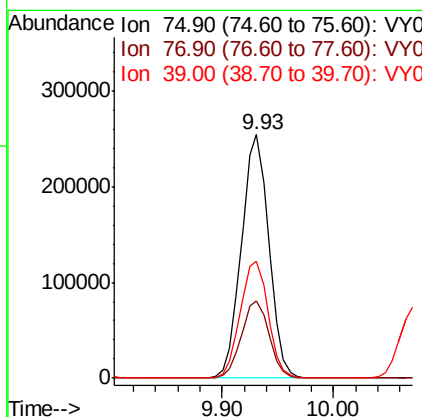
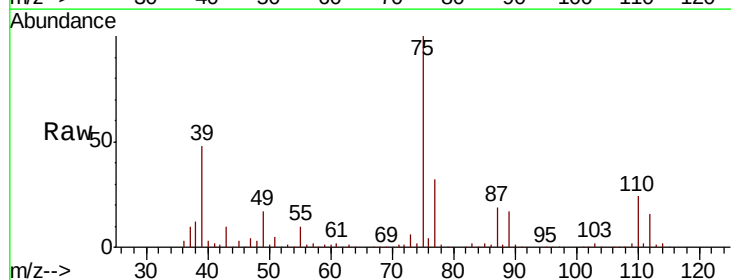
Manual Integrations
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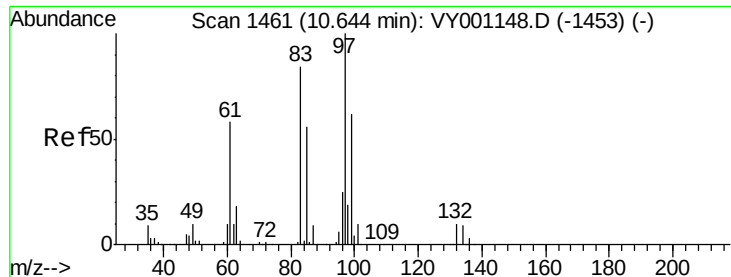
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#54
cis-1,3-Dichloropropene
Concen: 111.805 ug/l
RT: 9.93 min Scan# 1344
Delta R.T. -0.00 min
Lab File: VY001149.D
Acq: 10 Jan 2020 15:23

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.3	37.9
39	47.9	39.1	58.7





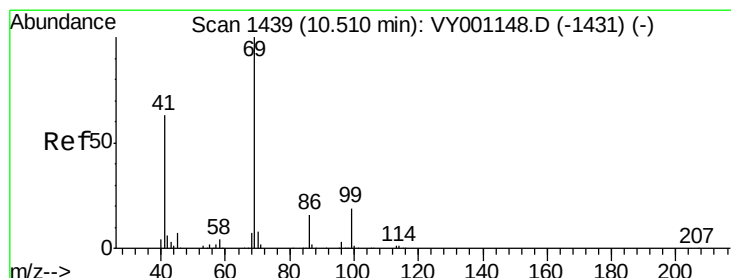
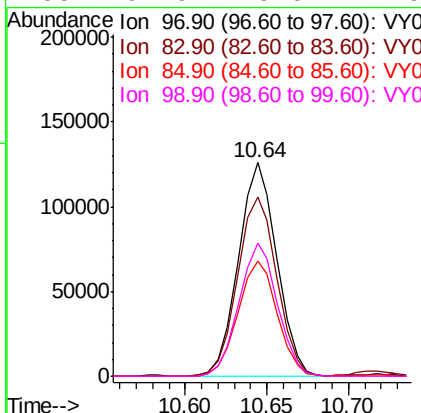
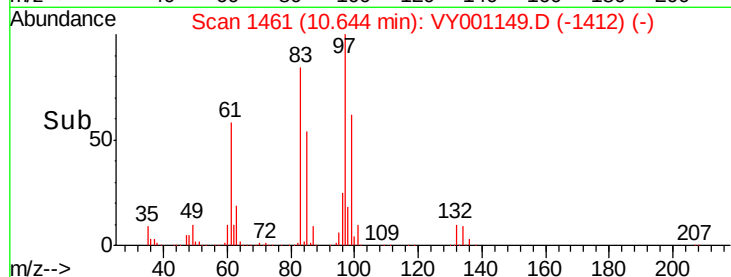
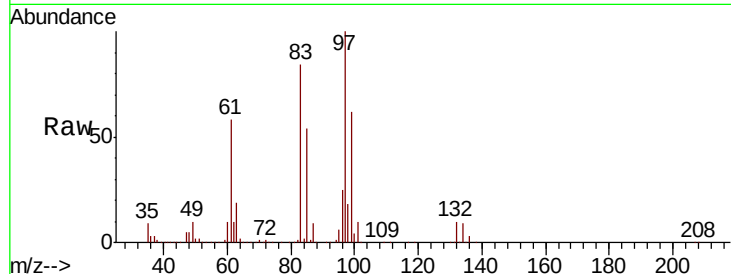
#55
 1,1,2-Trichloroethane
 Concen: 103.968 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. -0.00 min
 Lab File: VY001149.D
 Acq: 10 Jan 2020 15:23

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		205141		
83	83.9	67.2	100.8		
85	54.0	44.9	67.3		
99	62.6	49.9	74.9		

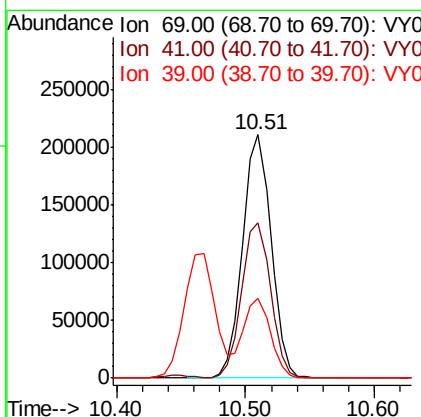
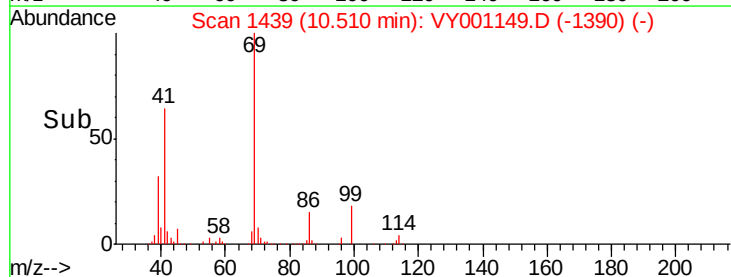
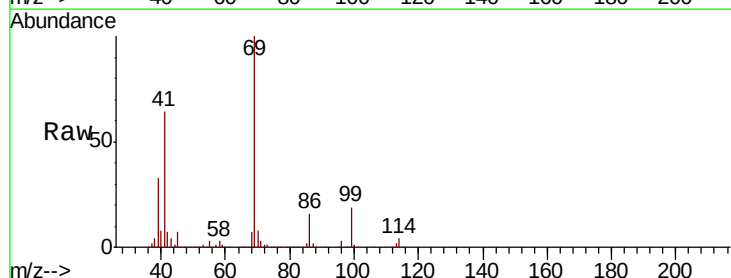
Manual Integrations
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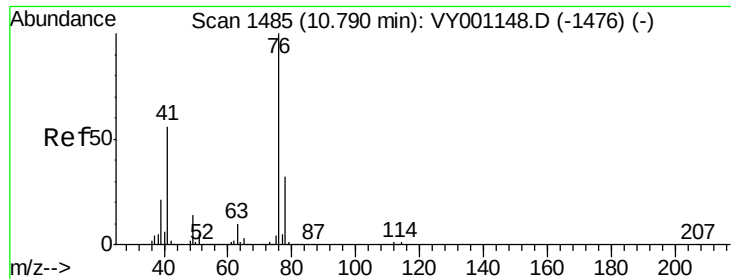
MMDadoda
 1/13/2020 12:39:01 PM



#56
 Ethyl methacrylate
 Concen: 123.252 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. -0.00 min
 Lab File: VY001149.D
 Acq: 10 Jan 2020 15:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		322260		
41	64.7	51.4	77.2		
39	32.3	26.3	39.5		





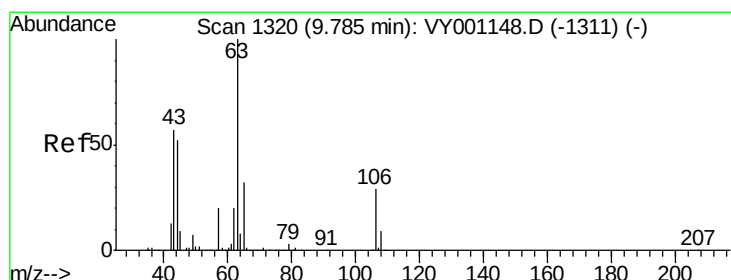
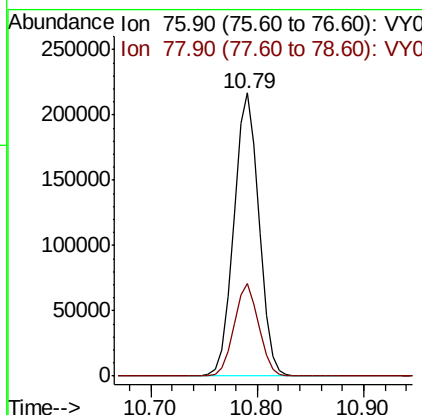
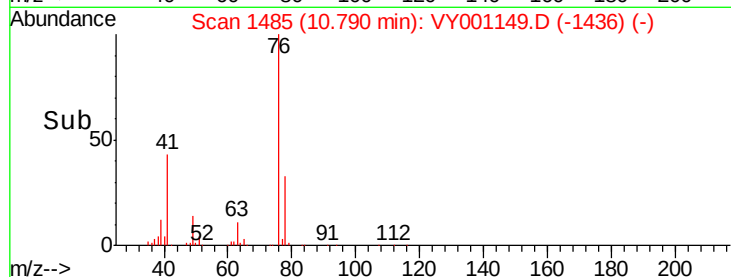
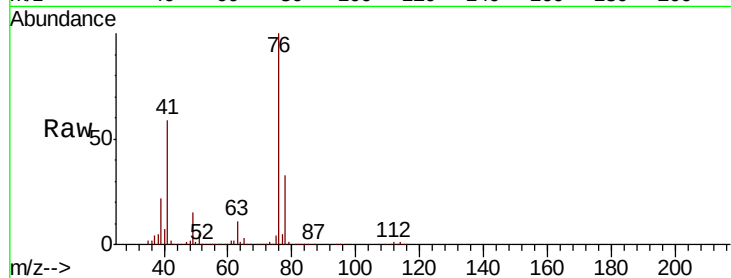
#57
 1,3-Dichloropropane
 Concen: 114.733 ug/l
 RT: 10.79 min Scan# 1485
 Delta R.T. -0.00 min
 Lab File: VY001149.D
 Acq: 10 Jan 2020 15:23

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	26.1	39.1

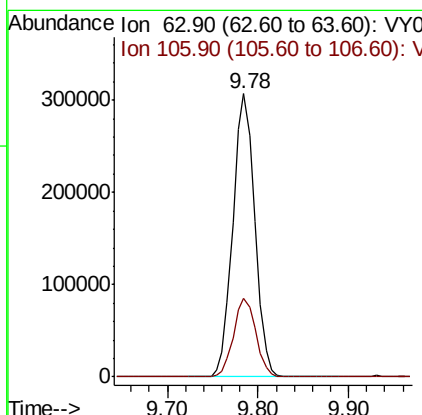
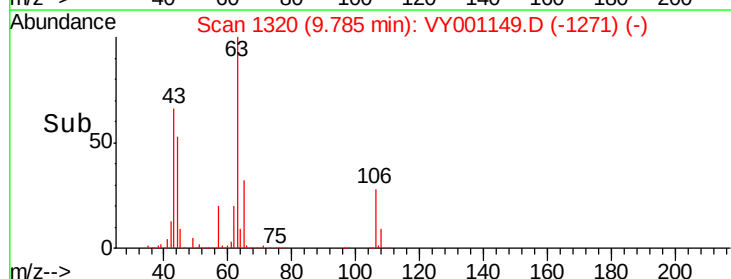
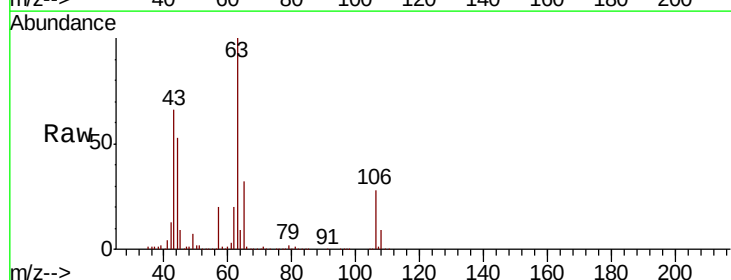
Manual Integrations
 APPROVED

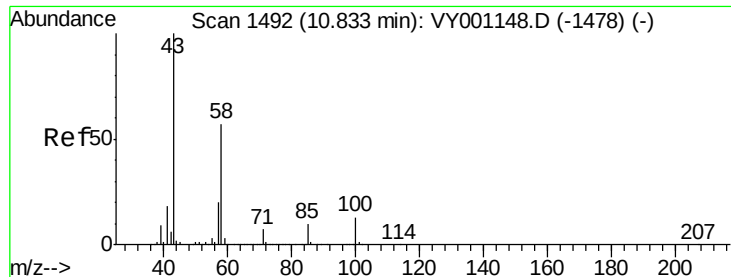
MMDadoda
 1/13/2020 12:39:01 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 549.248 ug/l
 RT: 9.78 min Scan# 1320
 Delta R.T. -0.00 min
 Lab File: VY001149.D
 Acq: 10 Jan 2020 15:23

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.2	23.0	34.6





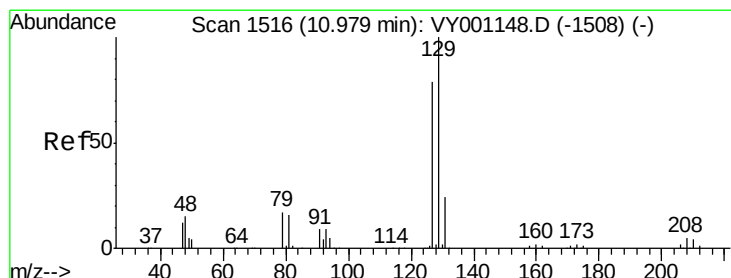
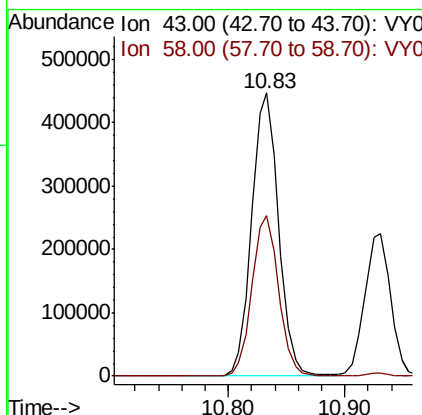
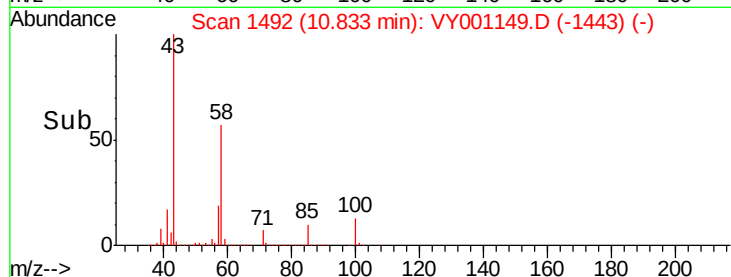
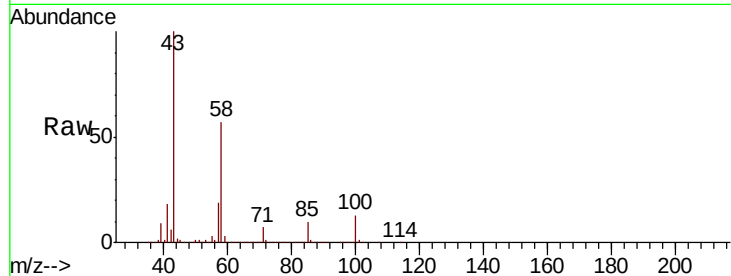
#59
2-Hexanone
Concen: 748.978 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VY001149.D
Acq: 10 Jan 2020 15:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 718166
Ion Ratio Lower Upper
43 100
58 56.5 28.4 85.2

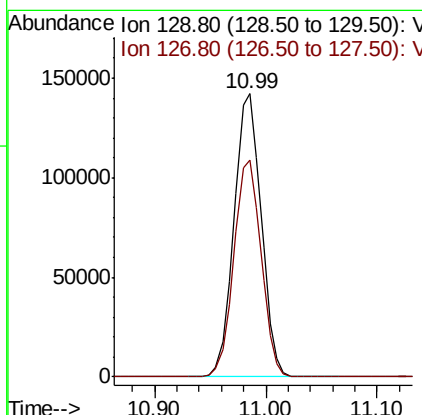
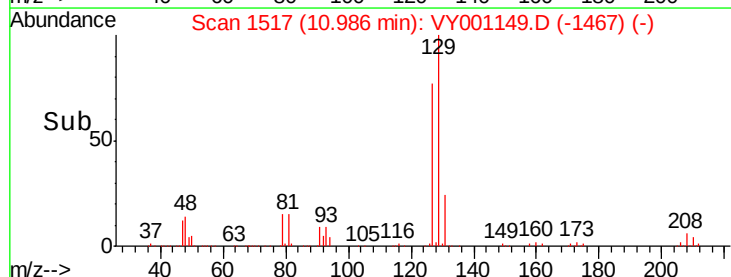
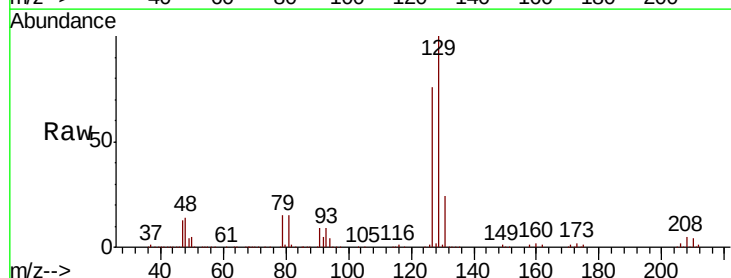
Manual Integrations
APPROVED

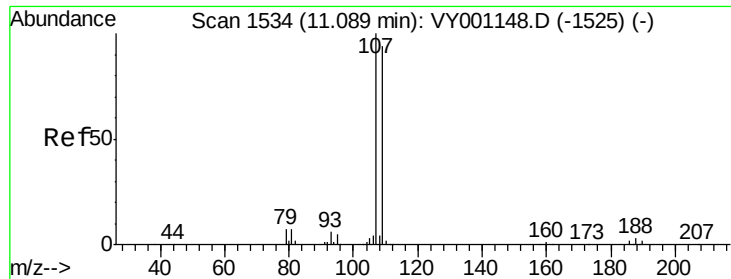
MMDadoda
1/13/2020 12:39:01 PM



#60
Dibromochloromethane
Concen: 106.576 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. 0.01 min
Lab File: VY001149.D
Acq: 10 Jan 2020 15:23

Tgt Ion: 129 Resp: 239851
Ion Ratio Lower Upper
129 100
127 77.2 38.9 116.7





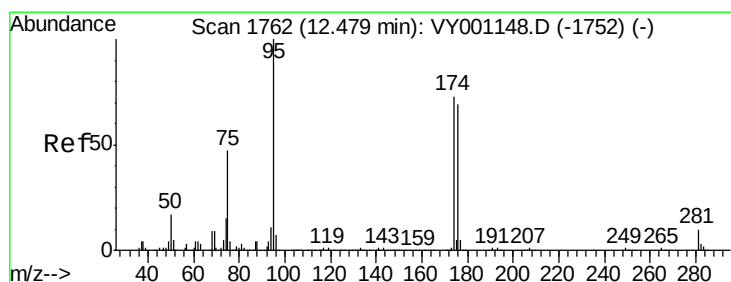
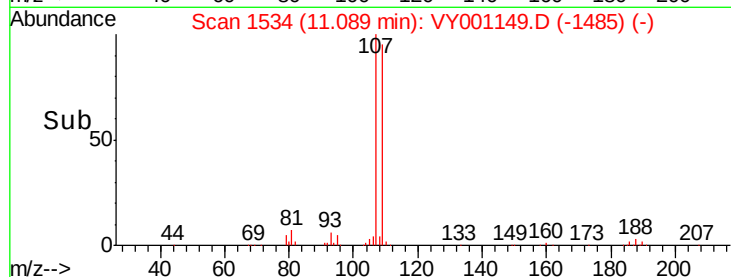
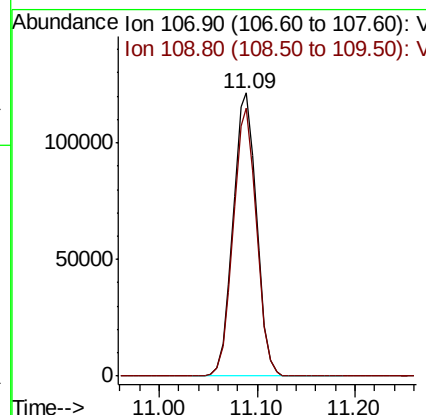
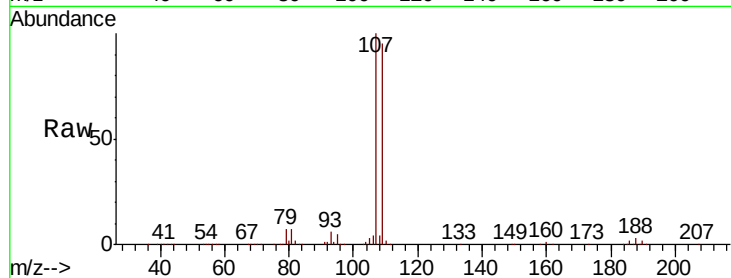
#61
1,2-Dibromoethane
Concen: 105.568 ug/l
RT: 11.09 min Scan# 1534
Delta R.T. -0.00 min
Lab File: VY001149.D
Acq: 10 Jan 2020 15:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.8	75.4	113.0

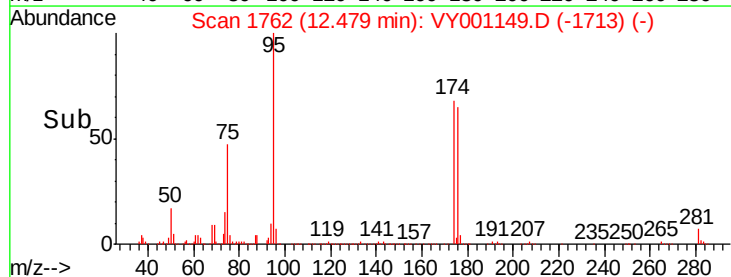
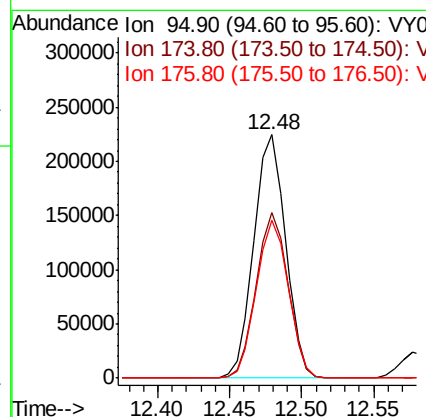
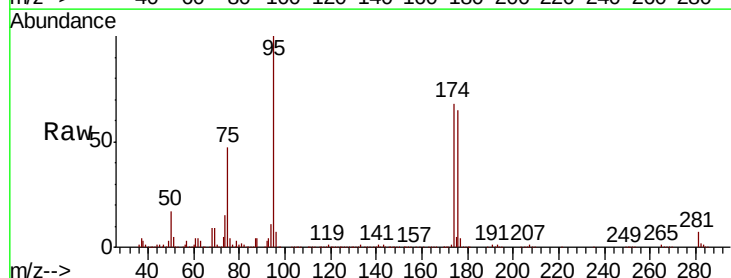
Manual Integrations
APPROVED

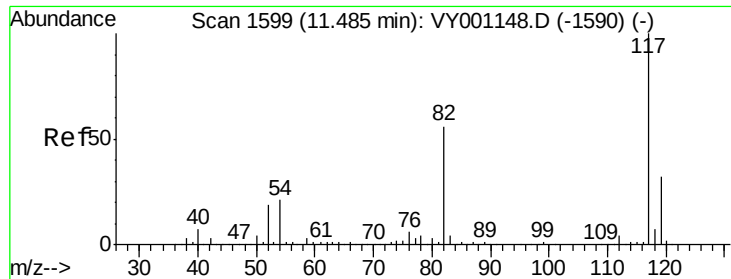
MMDadoda
1/13/2020 12:39:01 PM



#62
4-Bromofluorobenzene
Concen: 107.470 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.00 min
Lab File: VY001149.D
Acq: 10 Jan 2020 15:23

Tgt Ion	Ratio	Lower	Upper
95	100		
174	68.1	0.0	143.2
176	65.5	0.0	136.0





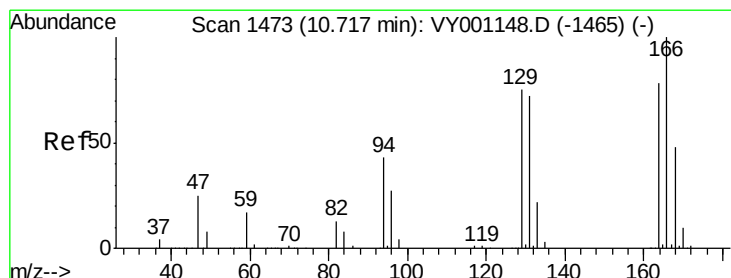
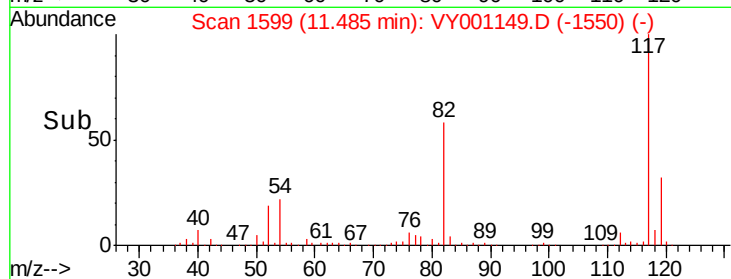
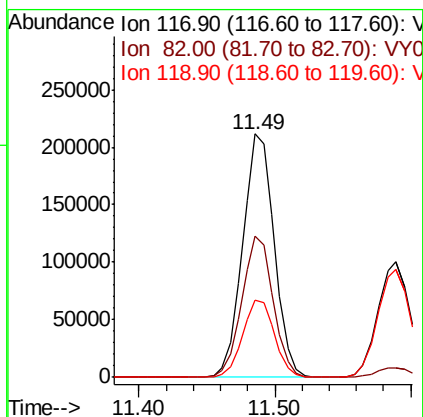
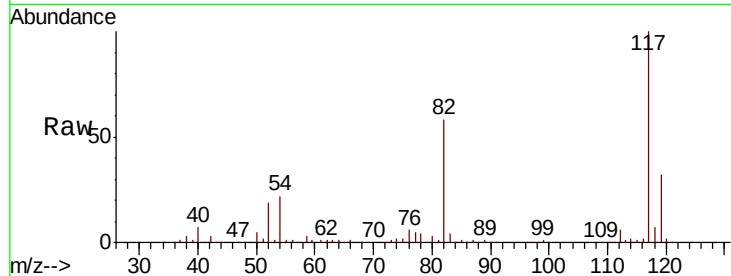
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. -0.00 min
Lab File: VY001149.D
Acq: 10 Jan 2020 15:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.1	44.9	67.3
119	31.7	25.7	38.5

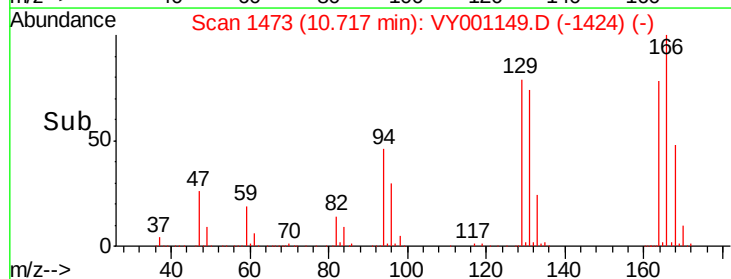
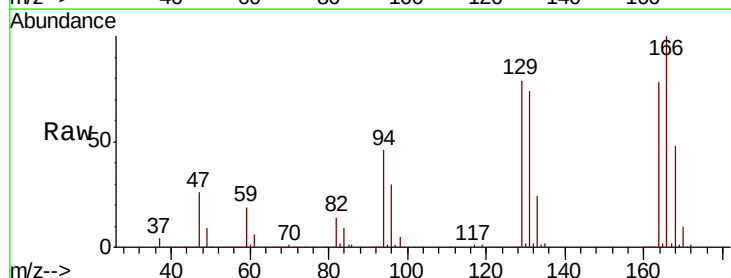
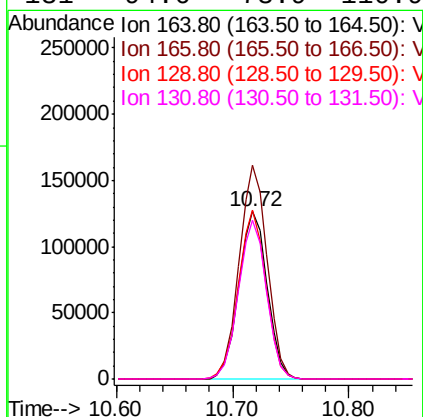
Manual Integrations
APPROVED

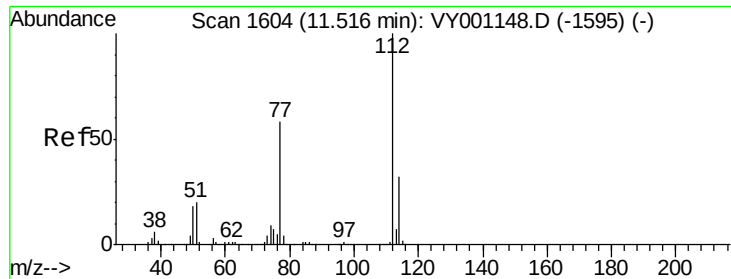
MMDadoda
1/13/2020 12:39:01 PM



#64
Tetrachloroethene
Concen: 70.738 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VY001149.D
Acq: 10 Jan 2020 15:23

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.7	102.3	153.5
129	101.0	76.2	114.4
131	94.6	73.9	110.9





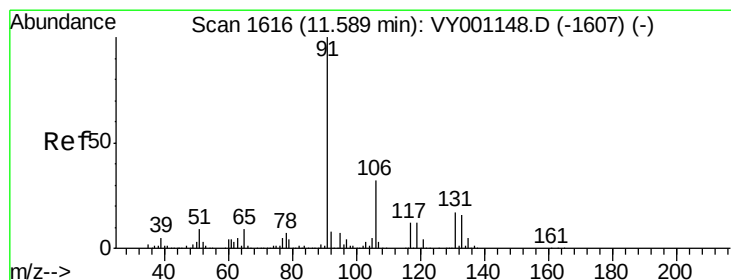
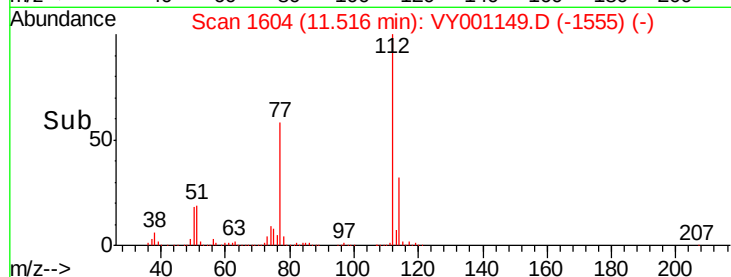
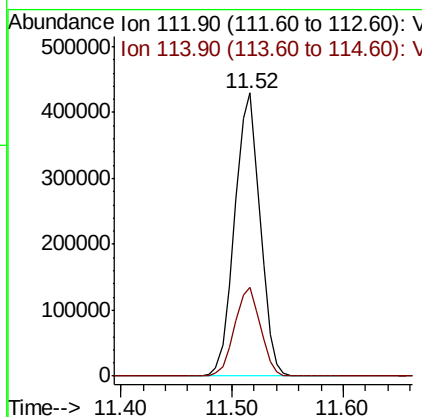
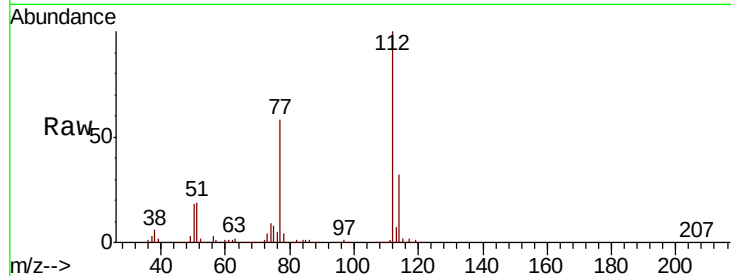
#65
Chlorobenzene
Concen: 94.265 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VY001149.D
Acq: 10 Jan 2020 15:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.5	25.9	38.9

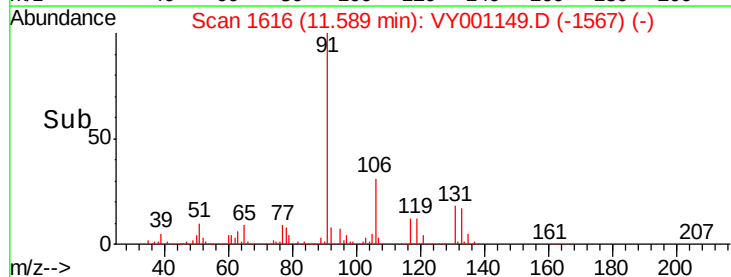
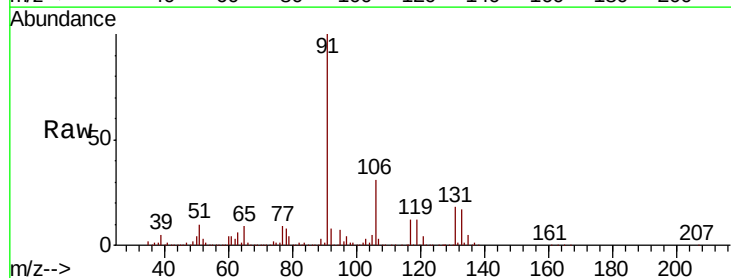
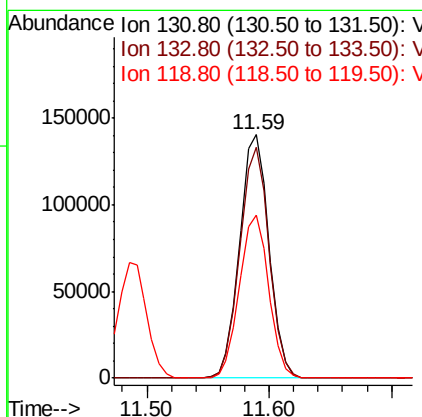
Manual Integrations
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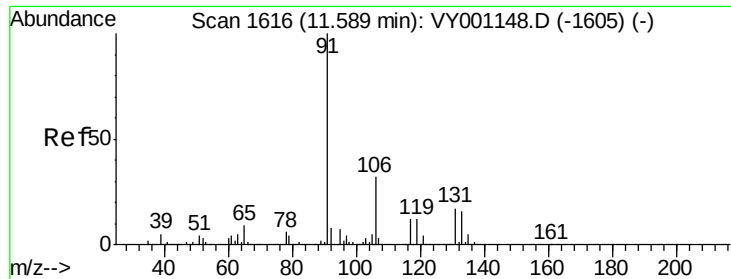
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 92.235 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. -0.00 min
Lab File: VY001149.D
Acq: 10 Jan 2020 15:23

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.7	47.3	142.0
119	67.0	33.6	100.8





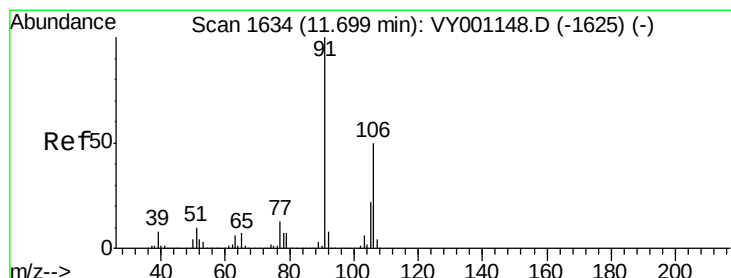
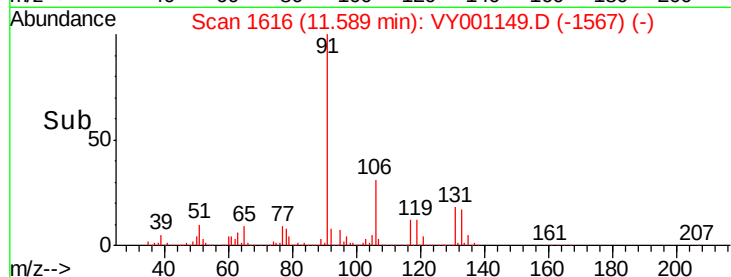
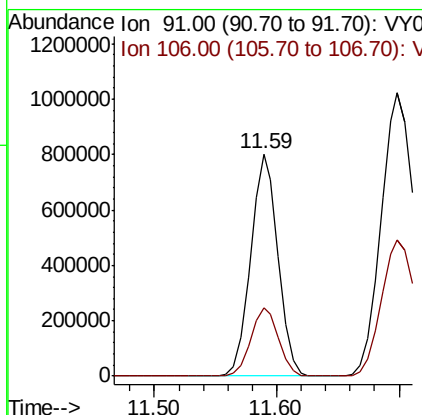
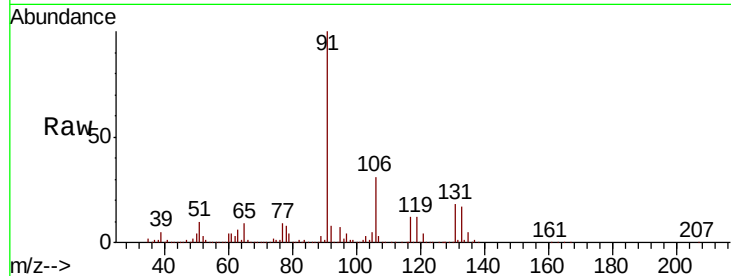
#67
Ethyl Benzene
Concen: 98.296 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. -0.00 min
Lab File: VY001149.D
Acq: 10 Jan 2020 15:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 1240343
Ion Ratio Lower Upper
91 100
106 31.0 25.3 37.9

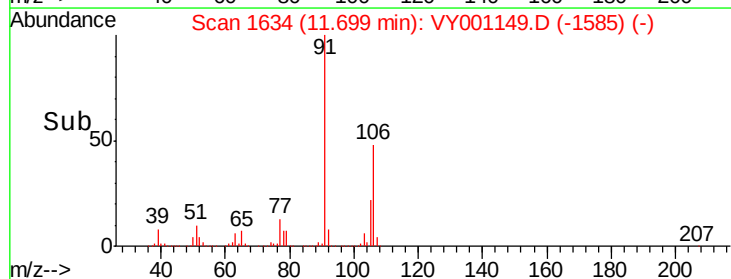
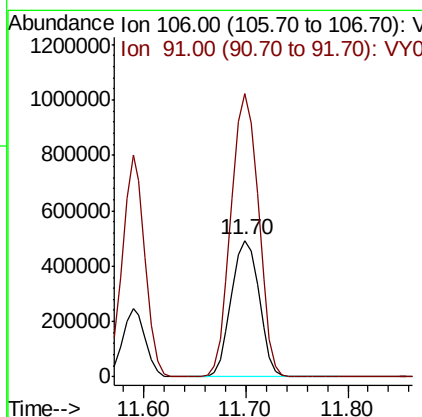
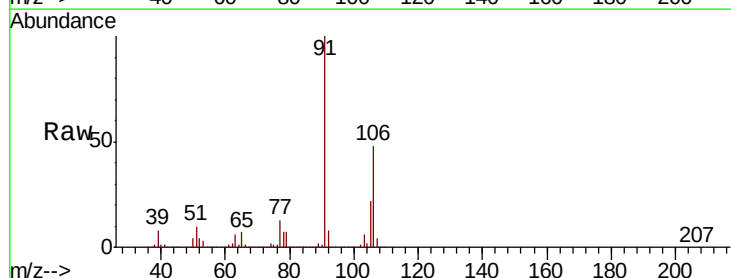
Manual Integrations
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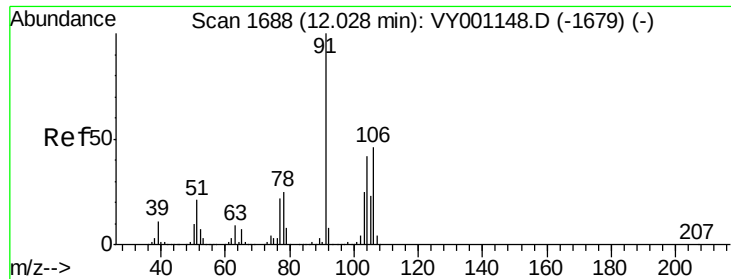
MMDadoda
1/13/2020 12:39:01 PM



#68
m/p-Xylenes
Concen: 187.558 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. -0.00 min
Lab File: VY001149.D
Acq: 10 Jan 2020 15:23

Tgt Ion: 106 Resp: 933965
Ion Ratio Lower Upper
106 100
91 204.8 161.4 242.2





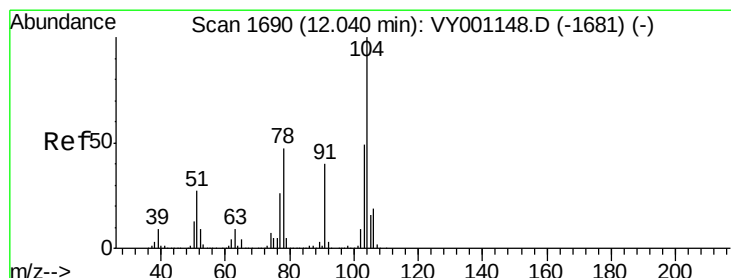
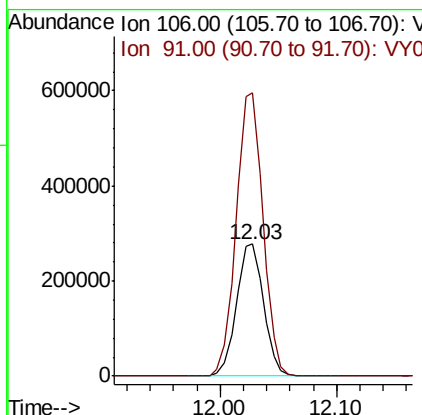
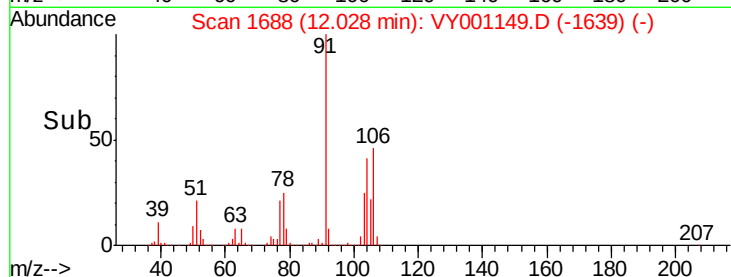
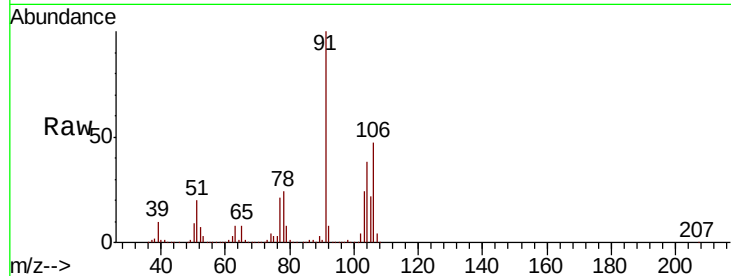
#69
o-Xylene
Concen: 94.726 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VY001149.D
Acq: 10 Jan 2020 15:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ion	Ratio	Lower	Upper
106	106	100		
91	213.9	106.3	318.8	

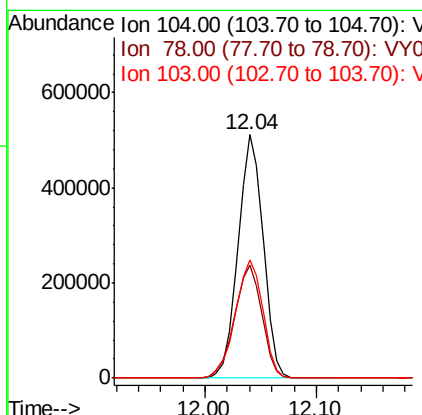
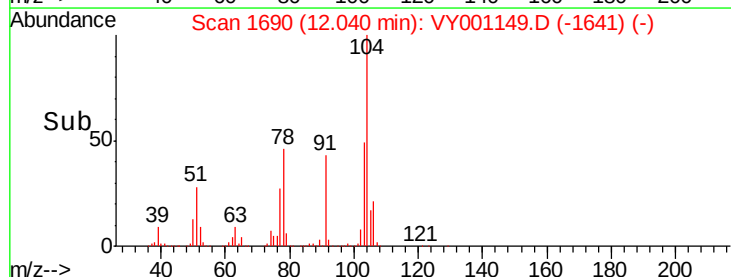
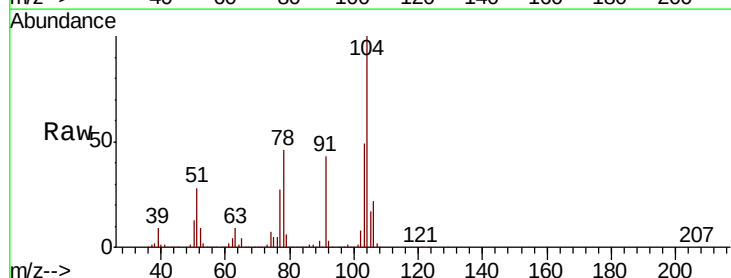
Manual Integrations
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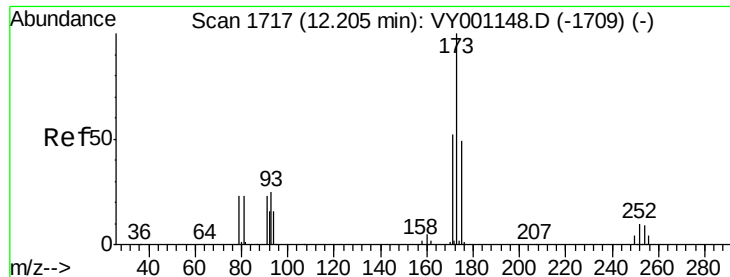
MMDadoda
1/13/2020 12:39:01 PM



#70
Styrene
Concen: 99.254 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VY001149.D
Acq: 10 Jan 2020 15:23

Tgt Ion	Ion	Ratio	Lower	Upper
104	104	100		
78	50.8	40.5	60.7	
103	53.1	42.4	63.6	





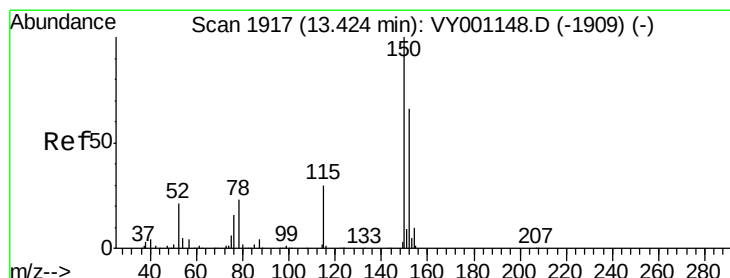
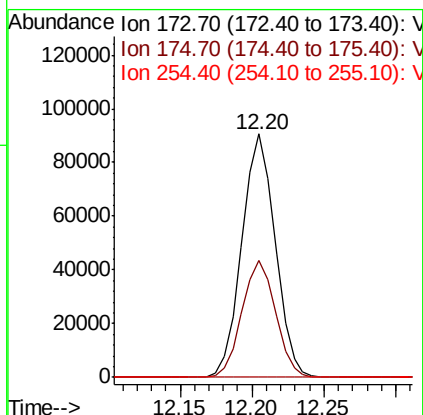
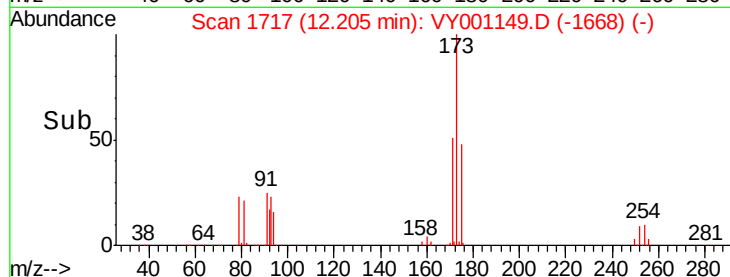
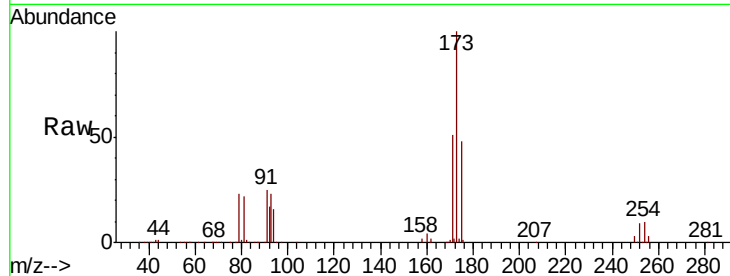
#71
Bromoform
Concen: 95.989 ug/l
RT: 12.20 min Scan# 1717
Delta R.T. -0.00 min
Lab File: VY001149.D
Acq: 10 Jan 2020 15:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.1	72.2
254	0.1	0.1	0.1

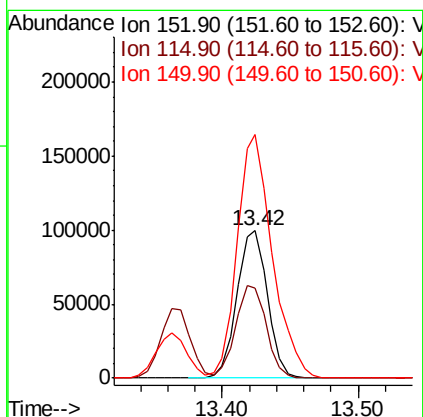
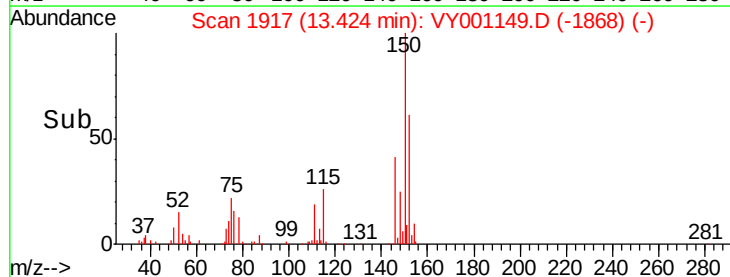
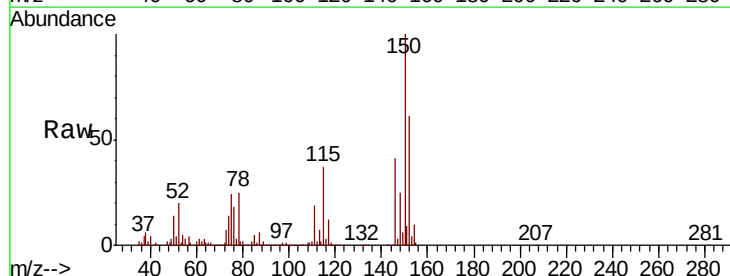
Manual Integrations
APPROVED

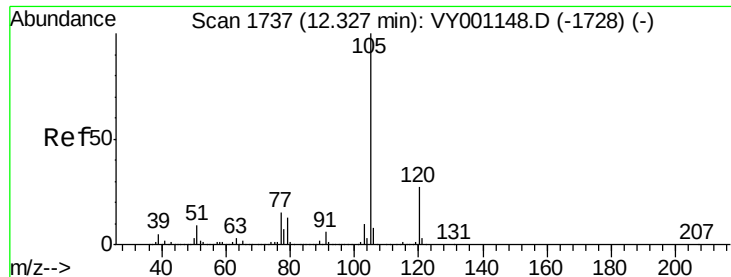
MMDadoda
1/13/2020 12:39:01 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY001149.D
Acq: 10 Jan 2020 15:23

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.8	30.9	92.5
150	190.2	0.0	346.8





#73

Isopropylbenzene

Concen: 103.045 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VY001149.D

Acq: 10 Jan 2020 15:23

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1199179

Ion Ratio Lower Upper

105 100

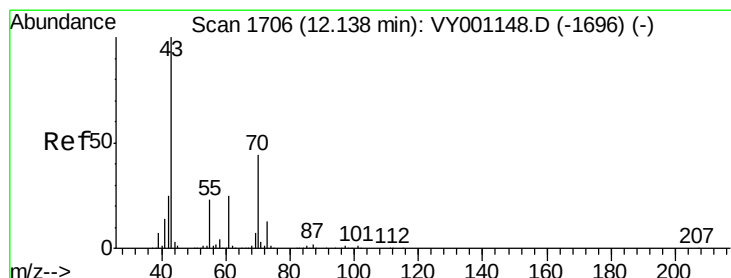
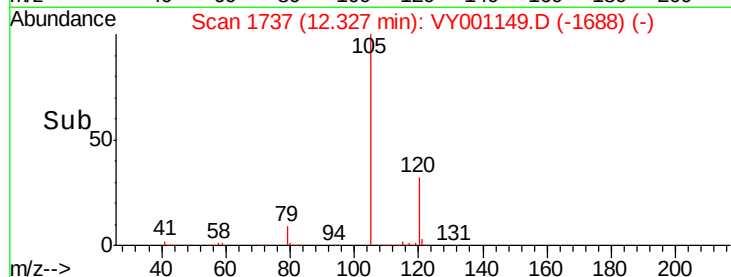
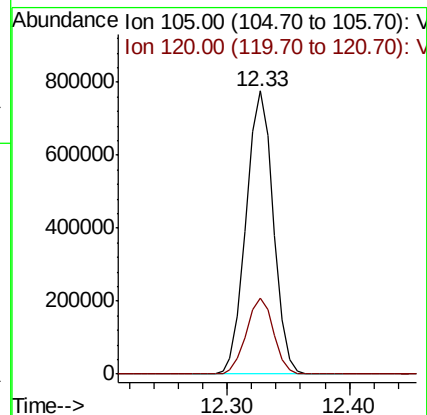
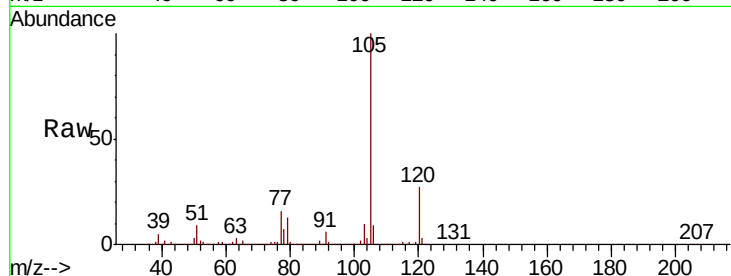
120 26.9 13.4 40.2

Manual Integrations

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#74

N-ethyl acetate

Concen: 155.179 ug/l

RT: 12.14 min Scan# 1706

Delta R.T. -0.00 min

Lab File: VY001149.D

Acq: 10 Jan 2020 15:23

Tgt Ion: 43 Resp: 379829

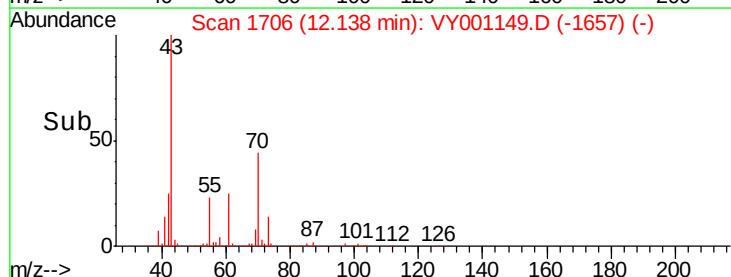
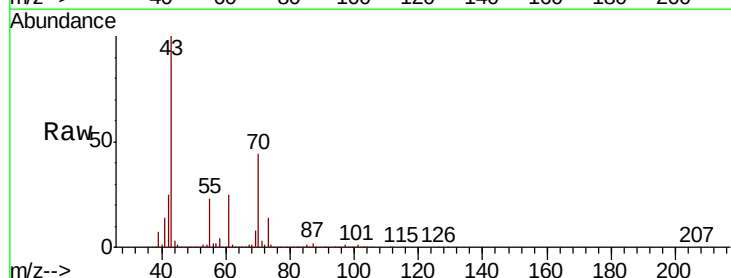
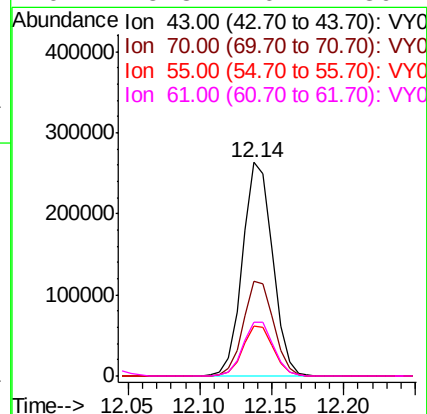
Ion Ratio Lower Upper

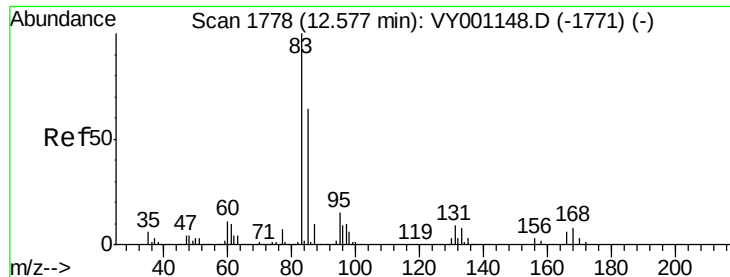
43 100

70 45.1 35.0 52.6

55 23.5 18.4 27.6

61 25.8 20.1 30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 118.200 ug/l

RT: 12.58 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VY001149.D

Acq: 10 Jan 2020 15:23

Instrument :

MSVOA_Y

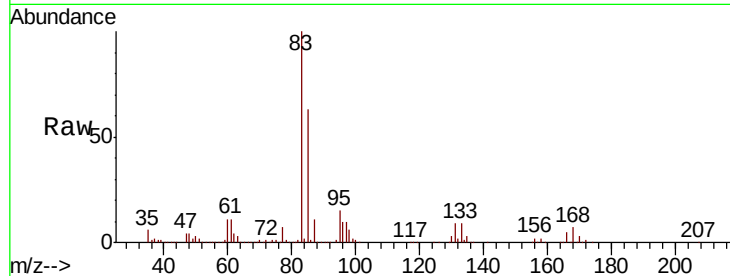
ClientSampleId :

VSTDIC100

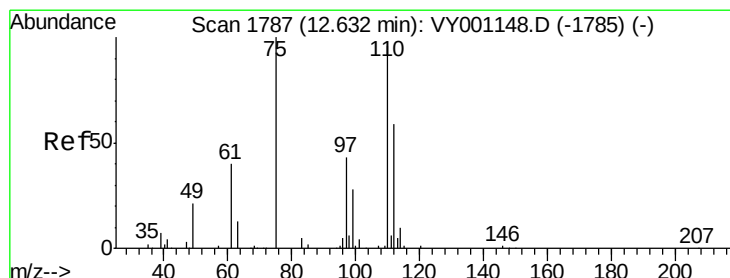
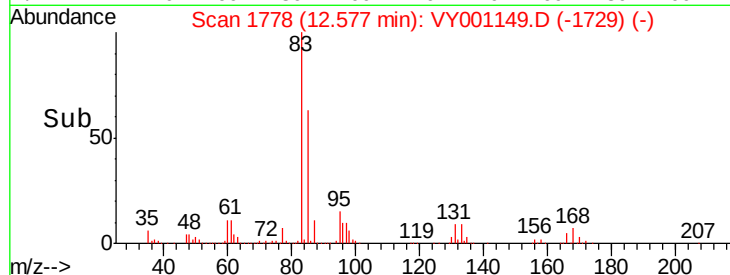
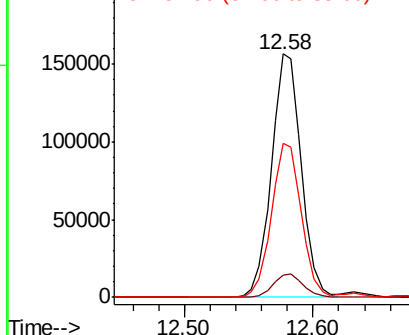
Tot Ion:	83	Resp:	251765
Ion Ratio	Lower	Upper	
83	100		
131	9.9	5.1	15.3
85	63.7	32.2	96.6

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VY0
Ion 130.80 (130.50 to 131.50): VY0
Ion 84.90 (84.60 to 85.60): VY0



#76

1,2,3-Trichloropropane

Concen: 101.218 ug/l m

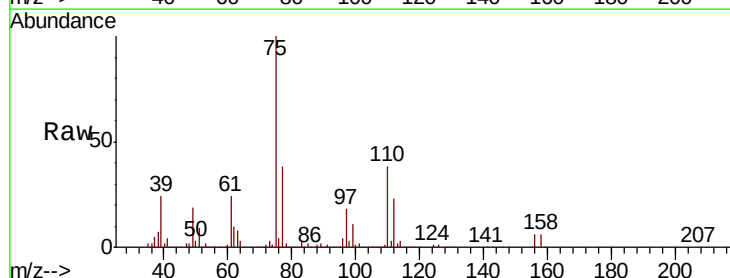
RT: 12.63 min Scan# 1787

Delta R.T. -0.00 min

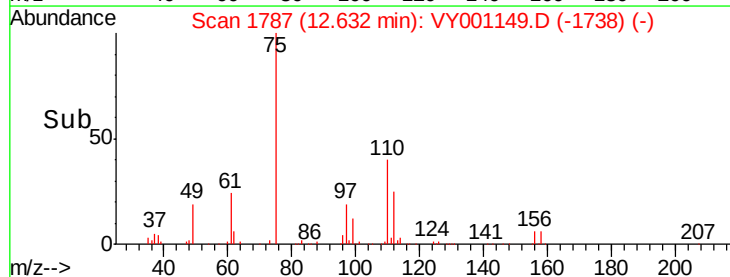
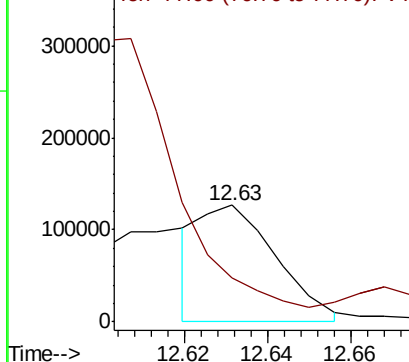
Lab File: VY001149.D

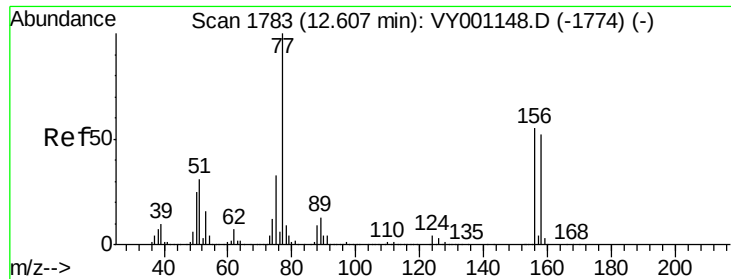
Acq: 10 Jan 2020 15:23

Tgt Ion:	75	Resp:	161952
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VY0
Ion 77.00 (76.70 to 77.70): VY0





#77

Bromobenzene

Concen: 92.952 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VY001149.D

Acq: 10 Jan 2020 15:23

Instrument :

MSVOA_Y

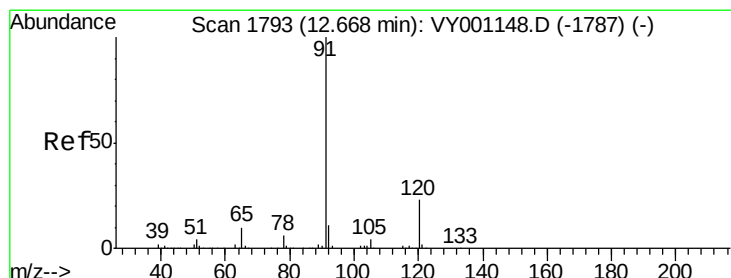
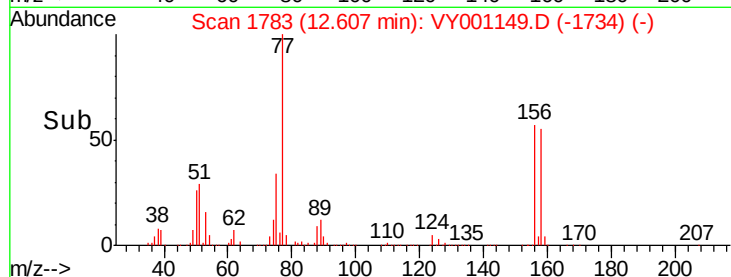
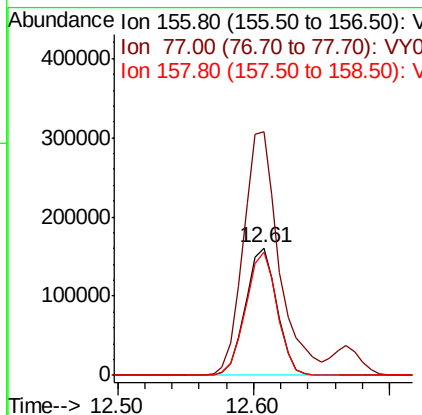
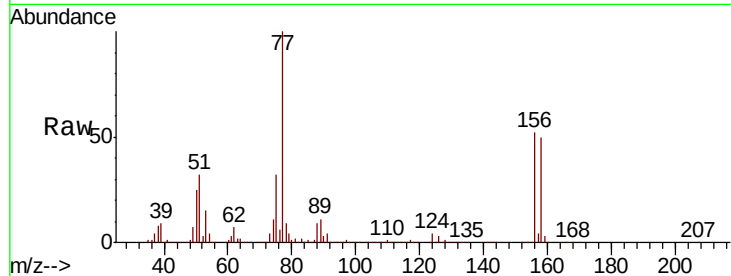
ClientSampleId :

VSTDIC100

Tot Ion	Ratio	Lower	Upper
156	100		
77	218.5	106.7	320.1
158	96.3	48.3	144.8

Manual Integrations
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#78

n-propylbenzene

Concen: 103.724 ug/l

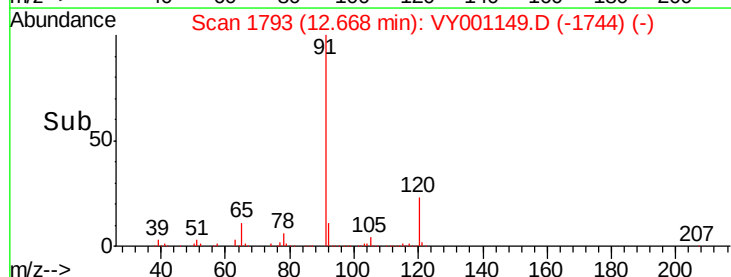
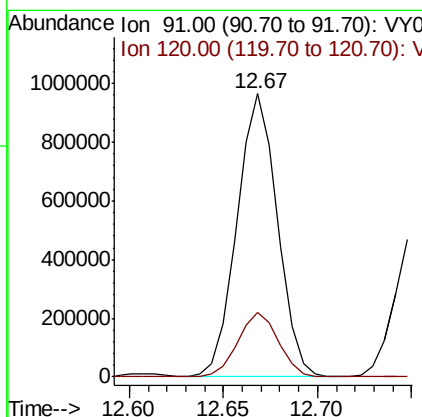
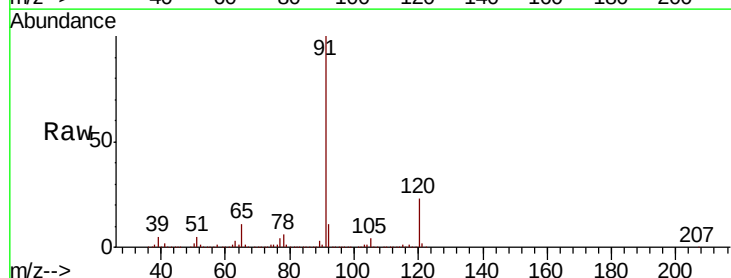
RT: 12.67 min Scan# 1793

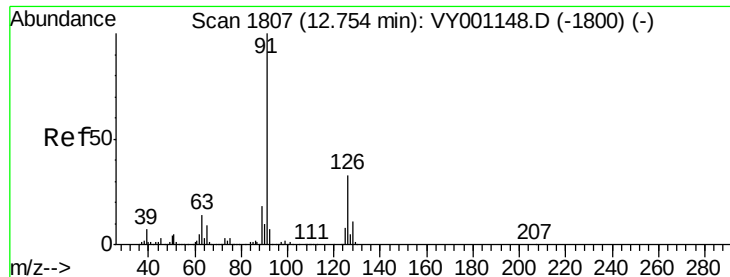
Delta R.T. -0.00 min

Lab File: VY001149.D

Acq: 10 Jan 2020 15:23

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.7	11.5	34.4





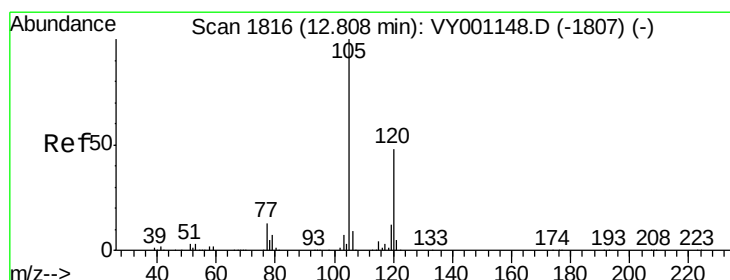
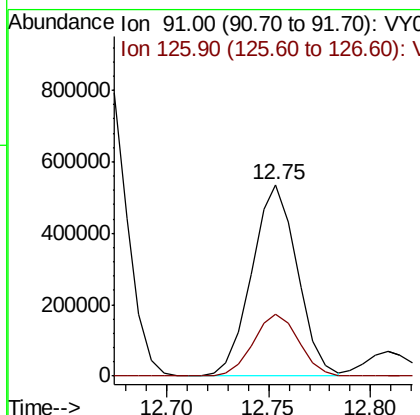
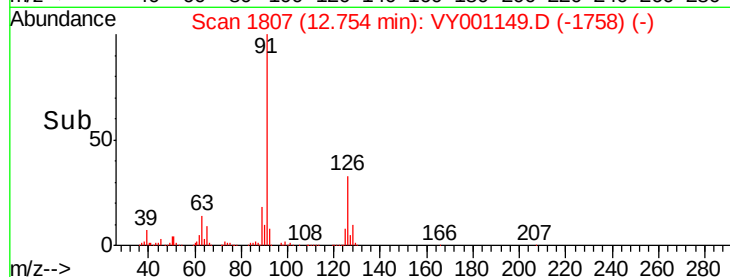
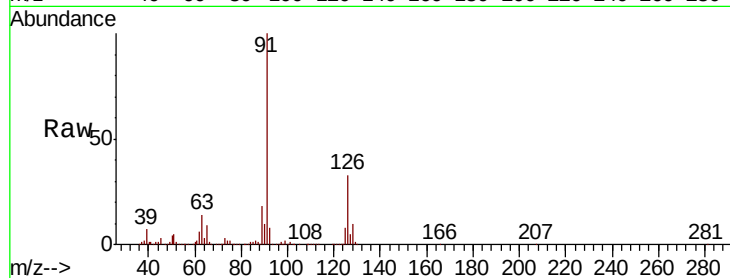
#79
2-Chlorotoluene
Concen: 107.777 ug/l
RT: 12.75 min Scan# 1807
Delta R.T. -0.00 min
Lab File: VY001149.D
Acq: 10 Jan 2020 15:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 830757
Ion Ratio Lower Upper
91 100
126 32.8 16.4 49.4

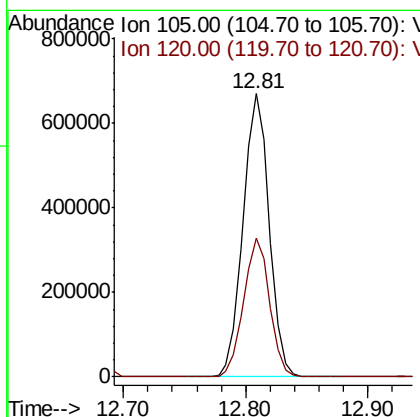
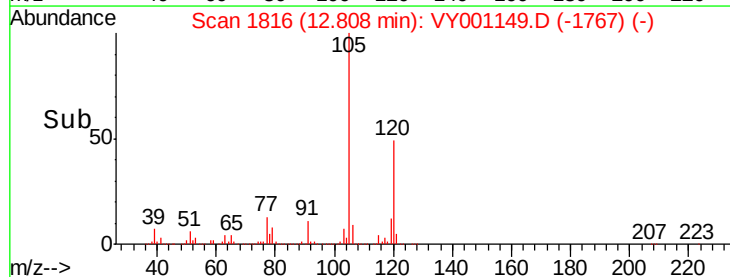
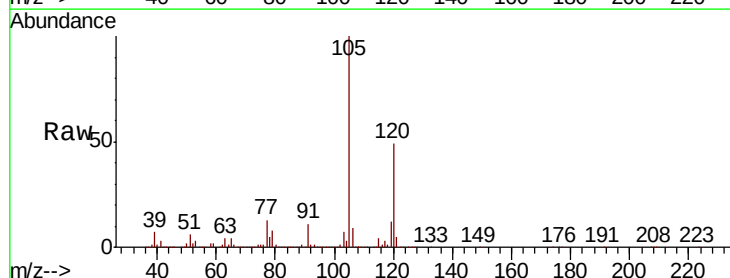
Manual Integrations
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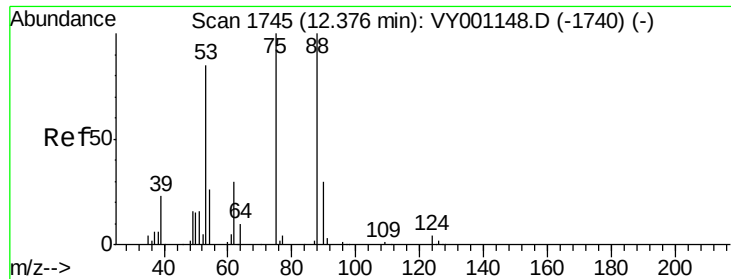
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 100.368 ug/l
RT: 12.81 min Scan# 1816
Delta R.T. -0.00 min
Lab File: VY001149.D
Acq: 10 Jan 2020 15:23

Tgt Ion: 105 Resp: 991422
Ion Ratio Lower Upper
105 100
120 48.6 24.2 72.6





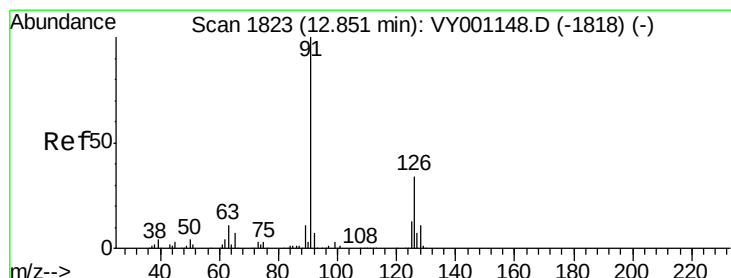
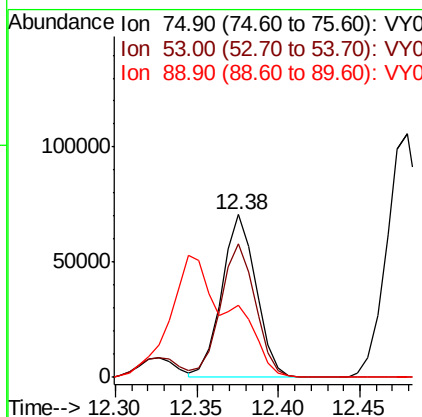
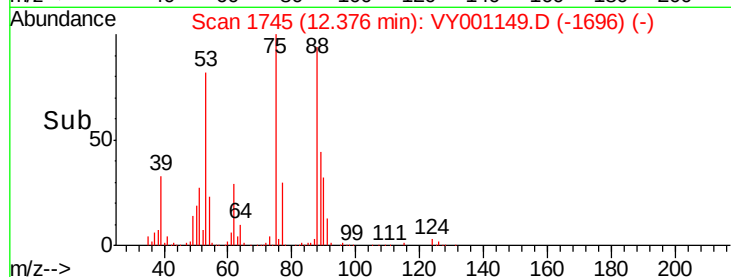
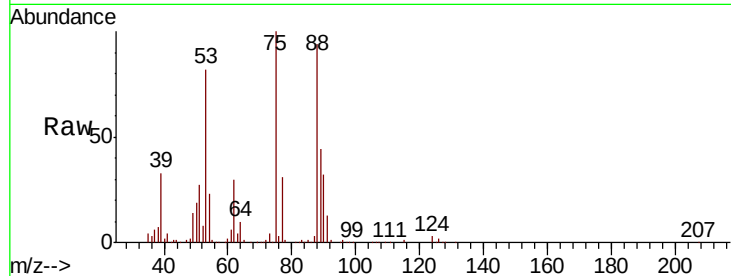
#81
trans-1,4-Dichloro-2-butene
Concen: 125.805 ug/l
RT: 12.38 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VY001149.D
Acq: 10 Jan 2020 15:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
53	84.0	69.4	104.2
89	0.0	0.0	0.0

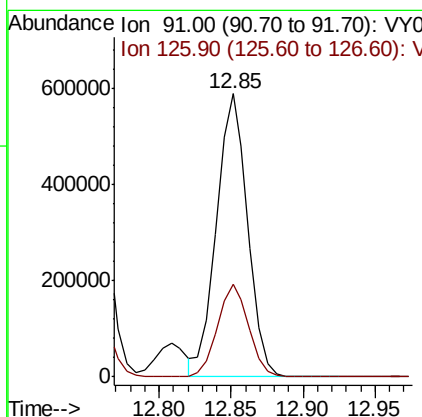
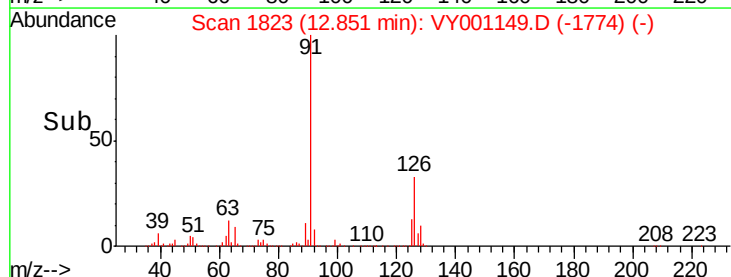
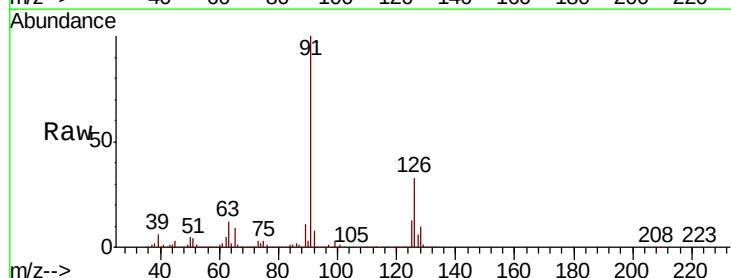
Manual Integrations
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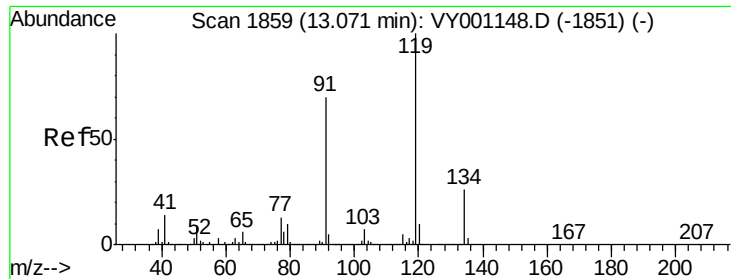
MMDadoda
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#82
4-Chlorotoluene
Concen: 110.988 ug/l
RT: 12.85 min Scan# 1823
Delta R.T. -0.00 min
Lab File: VY001149.D
Acq: 10 Jan 2020 15:23

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.6	16.3	48.8





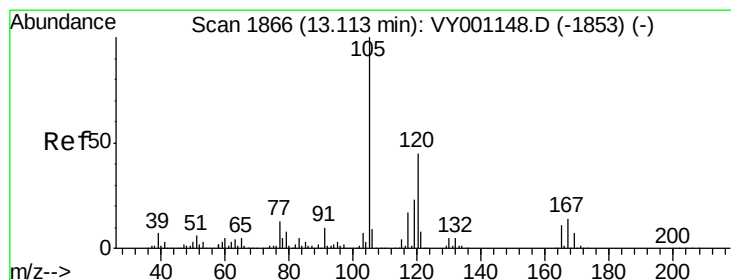
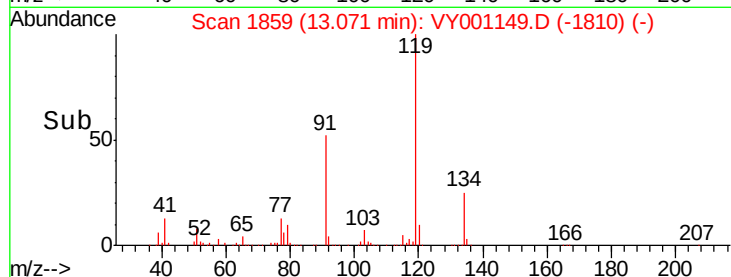
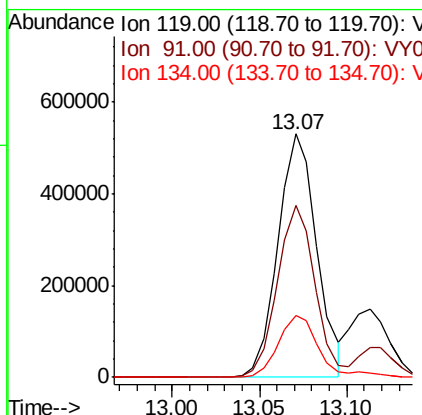
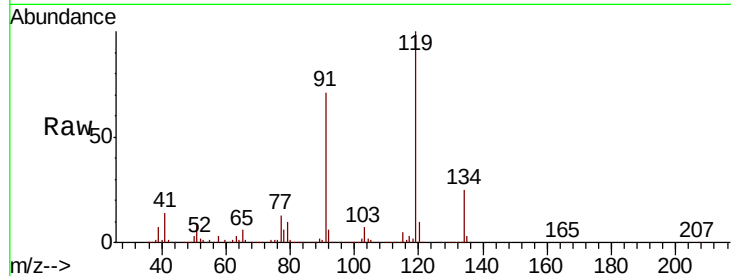
#83
tert-Butylbenzene
Concen: 98.250 ug/l
RT: 13.07 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VY001149.D
Acq: 10 Jan 2020 15:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
119	100	821321		
91	69.1	33.9	101.7	
134	26.8	13.5	40.4	

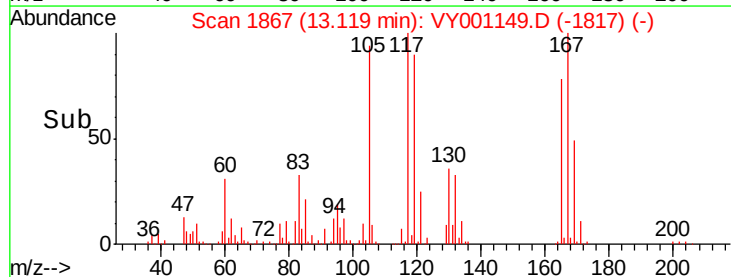
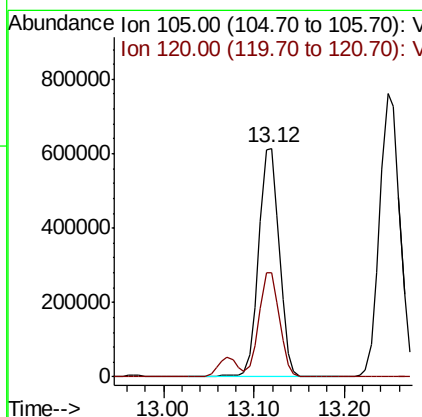
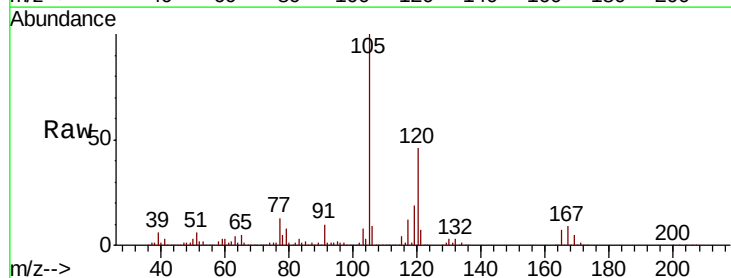
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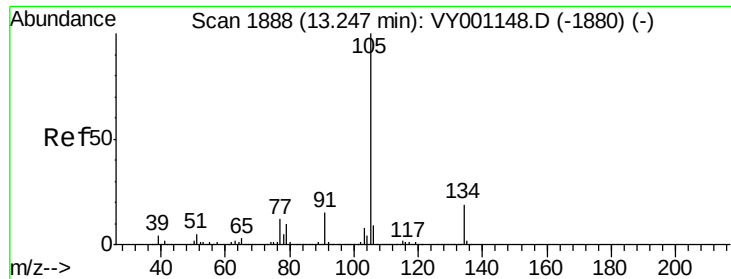
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#84
1,2,4-Trimethylbenzene
Concen: 97.895 ug/l
RT: 13.12 min Scan# 1867
Delta R.T. 0.01 min
Lab File: VY001149.D
Acq: 10 Jan 2020 15:23

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	968334		
120	45.2	22.8	68.3	





#85

sec-Butylbenzene

Concen: 100.559 ug/l

RT: 13.25 min Scan# 1888

Delta R.T. -0.00 min

Lab File: VY001149.D

Acq: 10 Jan 2020 15:23

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1182330

Ion Ratio Lower Upper

105 100

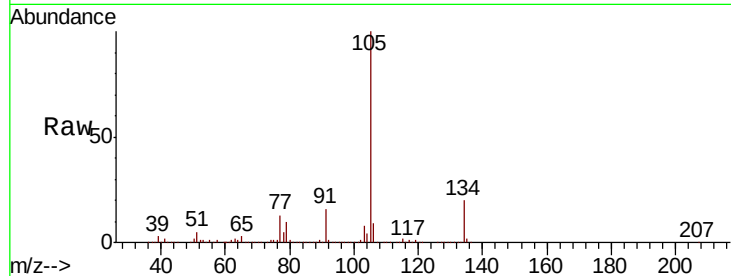
134 19.9 9.8 29.5

Manual Integrations

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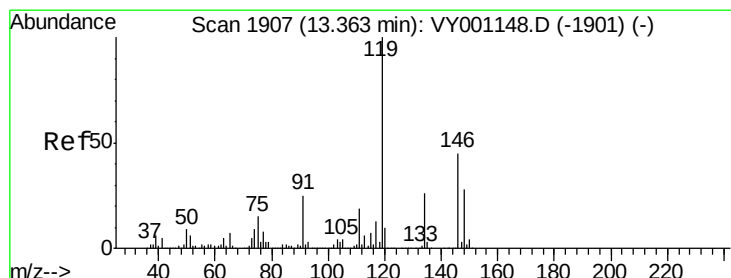
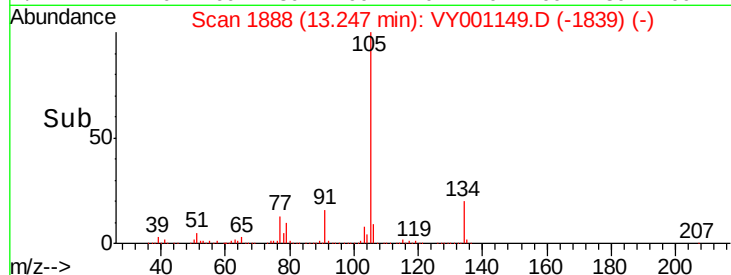
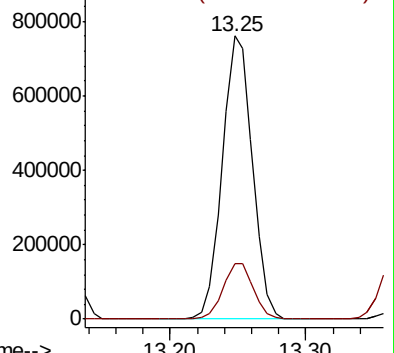
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 94.920 ug/l

RT: 13.36 min Scan# 1907

Delta R.T. -0.00 min

Lab File: VY001149.D

Acq: 10 Jan 2020 15:23

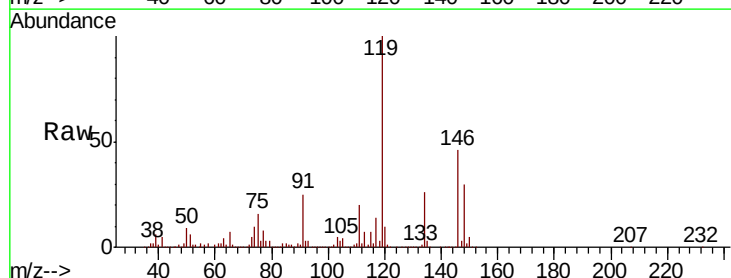
Tgt Ion:119 Resp: 1001795

Ion Ratio Lower Upper

119 100

134 26.3 13.4 40.2

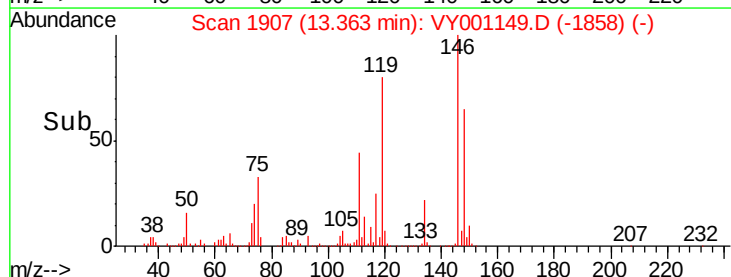
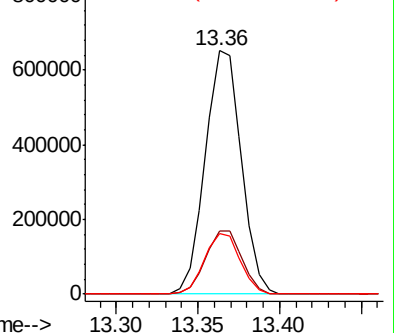
91 24.6 12.4 37.2

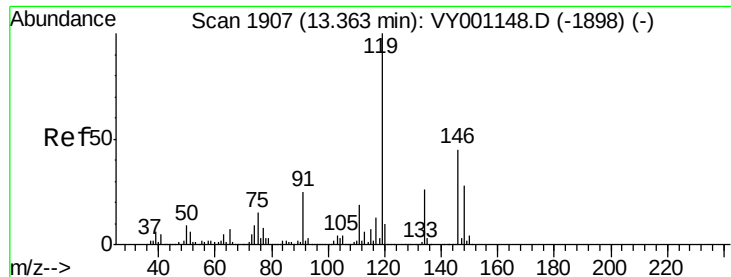


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0





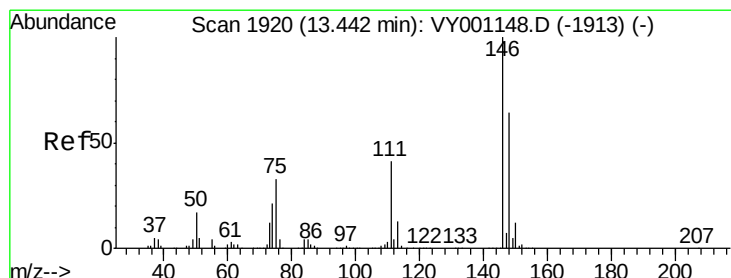
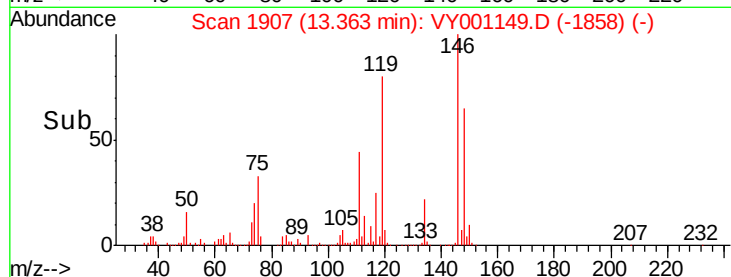
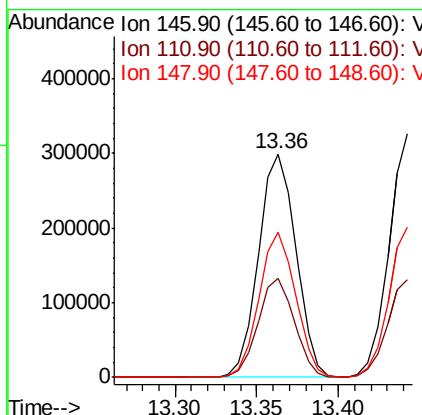
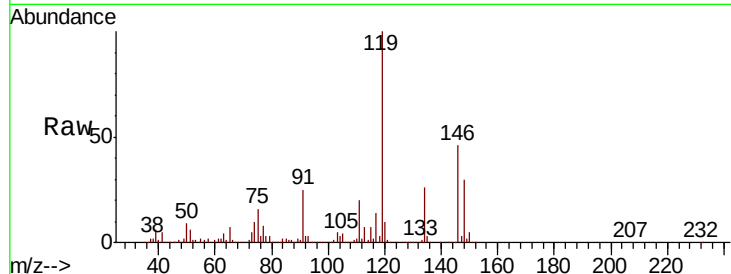
#87
 1,3-Dichlorobenzene
 Concen: 90.644 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. -0.00 min
 Lab File: VY001149.D
 Acq: 10 Jan 2020 15:23

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.3	64.0
148	63.6	31.9	95.5

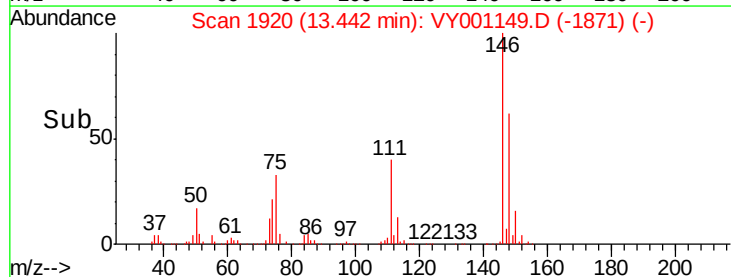
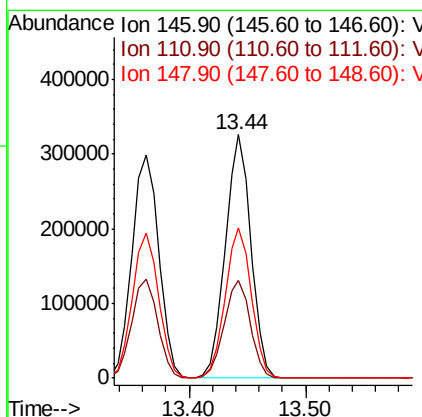
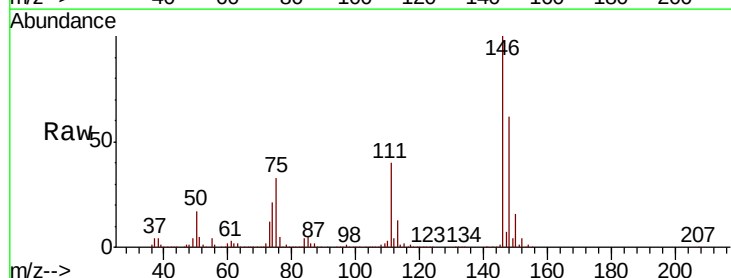
Manual Integrations
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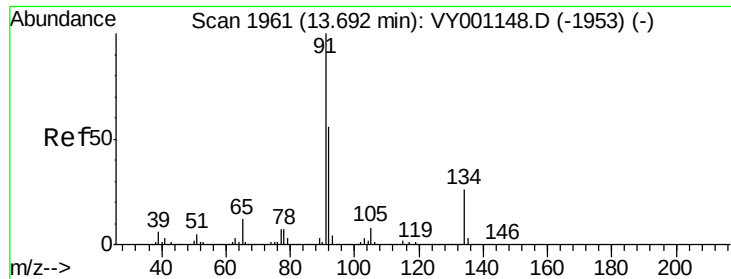
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 1/13/2020 12:39:01 PM



#88
 1,4-Dichlorobenzene
 Concen: 93.639 ug/l
 RT: 13.44 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VY001149.D
 Acq: 10 Jan 2020 15:23

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.8	62.5
148	63.0	32.0	96.2





#89

n-Butylbenzene

Concen: 100.833 ug/l

RT: 13.69 min Scan# 1961

Delta R.T. -0.00 min

Lab File: VY001149.D

Acq: 10 Jan 2020 15:23

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 1012889

Ion Ratio Lower Upper

91 100

92 55.3 27.7 83.1

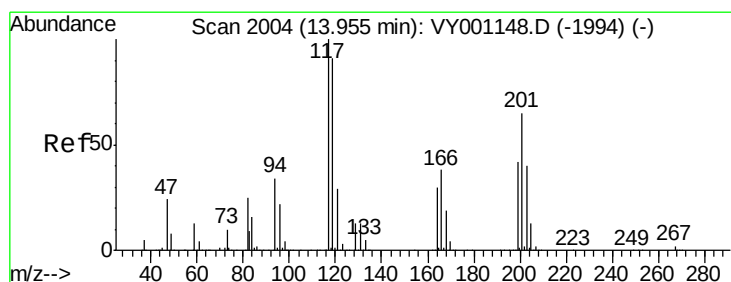
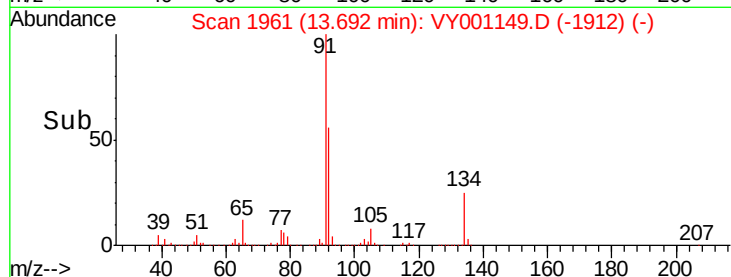
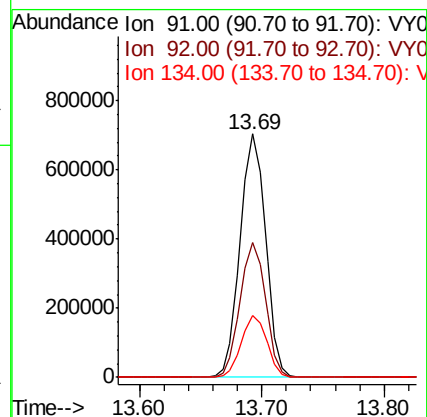
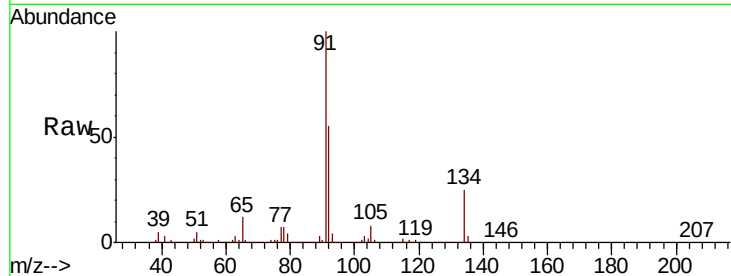
134 25.4 12.9 38.6

Manual Integrations

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1/13/2020 12:39:01 PM



#90

Hexachloroethane

Concen: 101.315 ug/l

RT: 13.95 min Scan# 2004

Delta R.T. -0.00 min

Lab File: VY001149.D

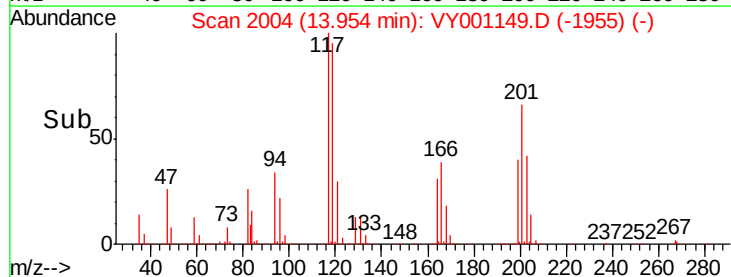
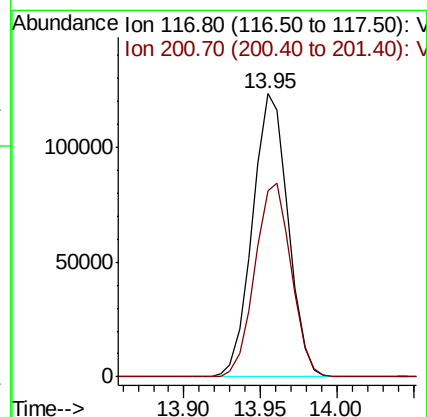
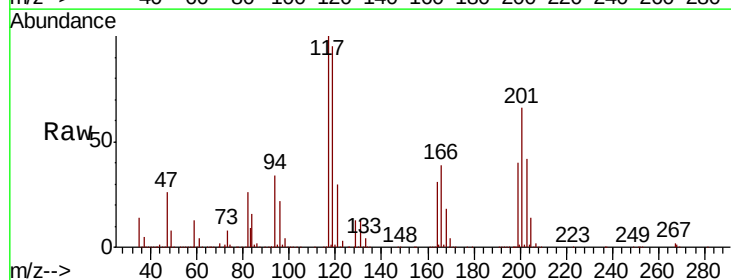
Acq: 10 Jan 2020 15:23

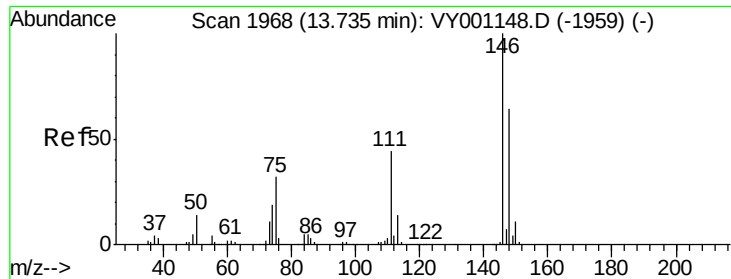
Tgt Ion: 117 Resp: 199919

Ion Ratio Lower Upper

117 100

201 69.7 35.4 106.2





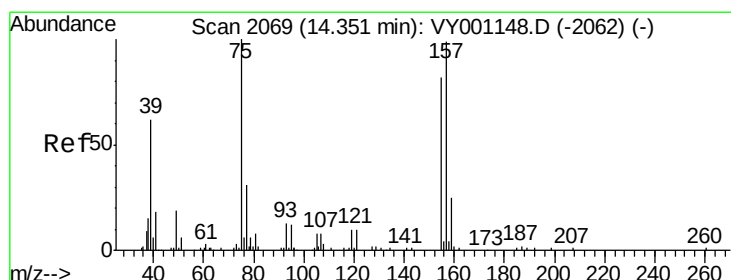
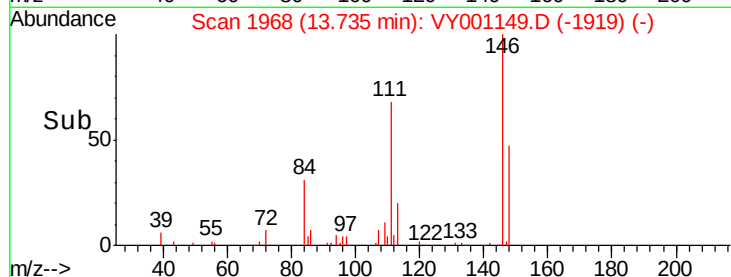
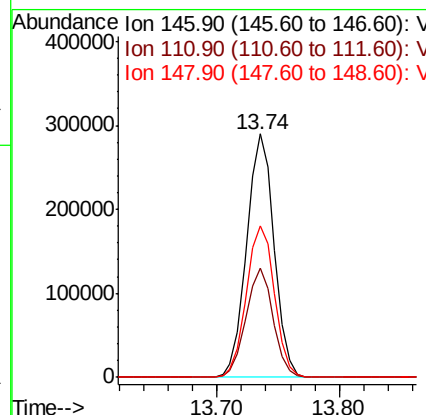
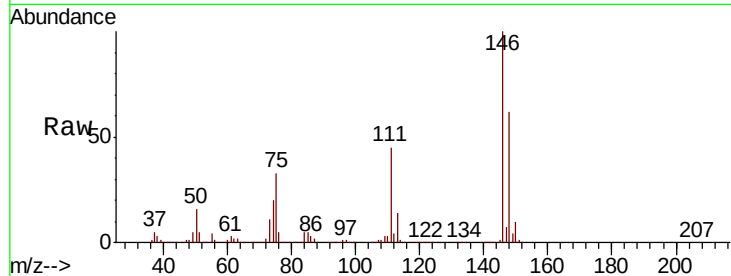
#91
 1,2-Dichlorobenzene
 Concen: 93.581 ug/l
 RT: 13.74 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: VY001149.D
 Acq: 10 Jan 2020 15:23

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.2	22.0	66.0
148	63.8	32.1	96.3

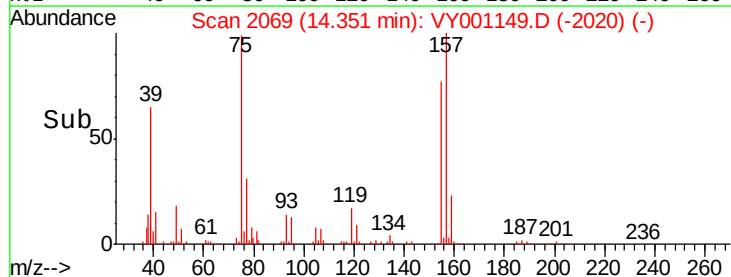
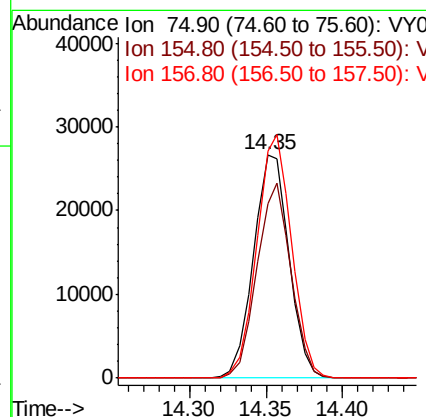
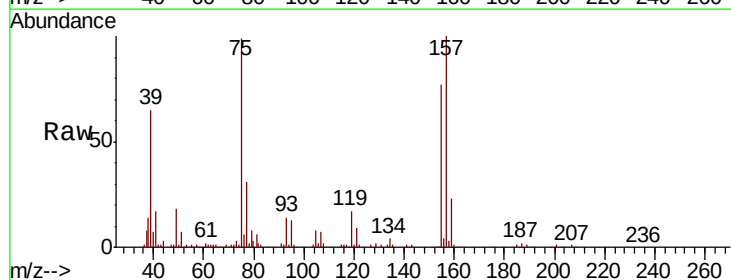
Manual Integrations
 APPROVED

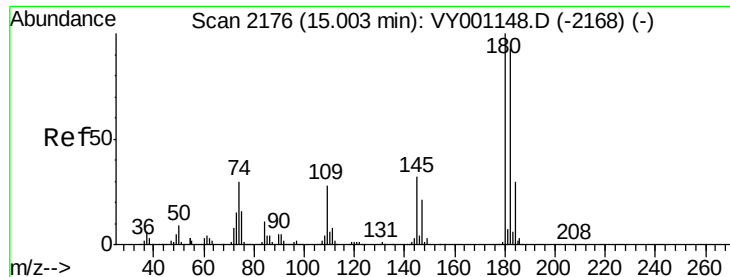
MMDadoda
 1/13/2020 12:39:01 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 112.607 ug/l
 RT: 14.35 min Scan# 2069
 Delta R.T. -0.00 min
 Lab File: VY001149.D
 Acq: 10 Jan 2020 15:23

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.8	41.2	123.6
157	106.4	52.8	158.4





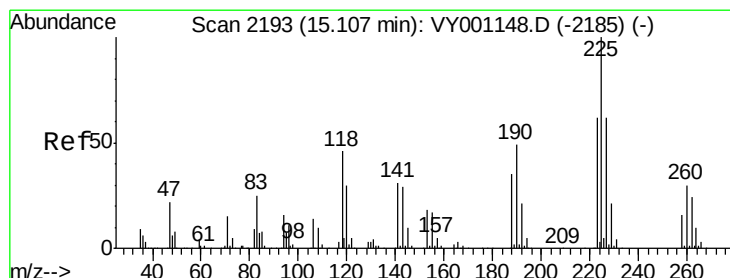
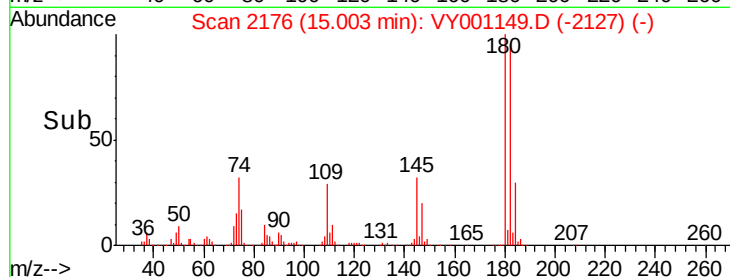
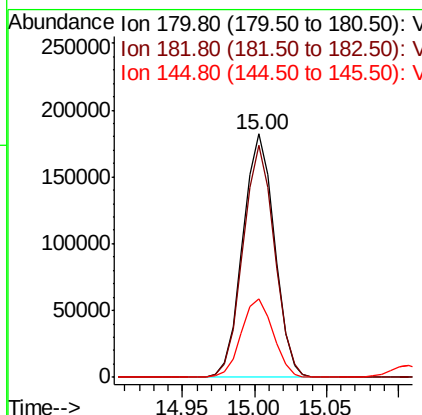
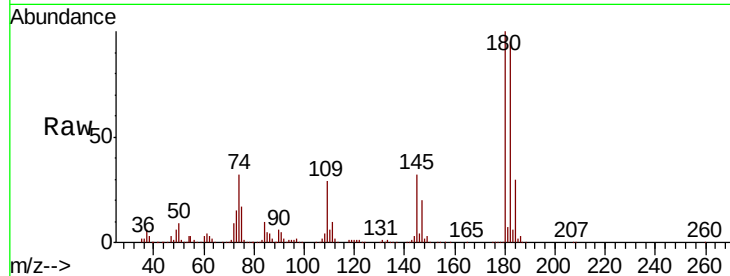
#93
 1,2,4-Trichlorobenzene
 Concen: 84.311 ug/l
 RT: 15.00 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VY001149.D
 Acq: 10 Jan 2020 15:23

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	277503		
182	94.7	46.9	140.8	
145	32.8	16.0	48.0	

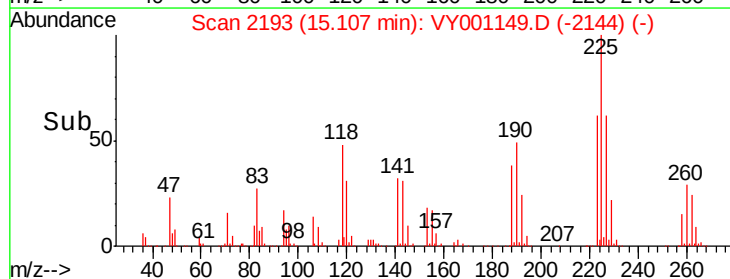
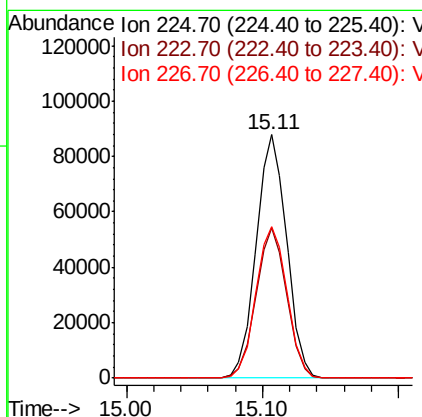
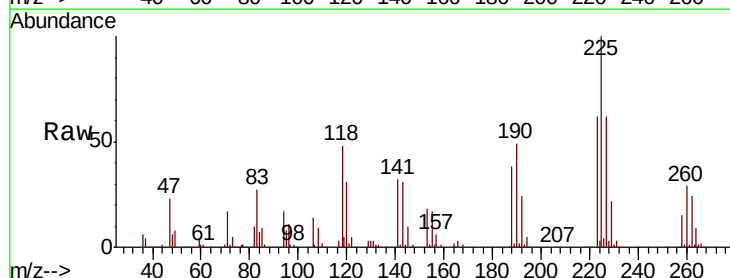
Manual Integrations
 APPROVED

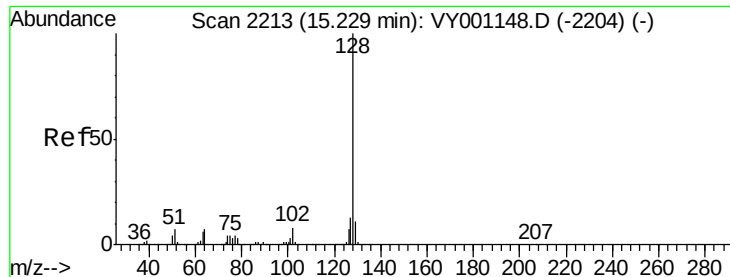
MMDadoda
 1/13/2020 12:39:01 PM



#94
 Hexachlorobutadiene
 Concen: 83.215 ug/l
 RT: 15.11 min Scan# 2193
 Delta R.T. -0.00 min
 Lab File: VY001149.D
 Acq: 10 Jan 2020 15:23

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	138514		
223	61.9	31.1	93.3	
227	63.5	31.3	93.9	





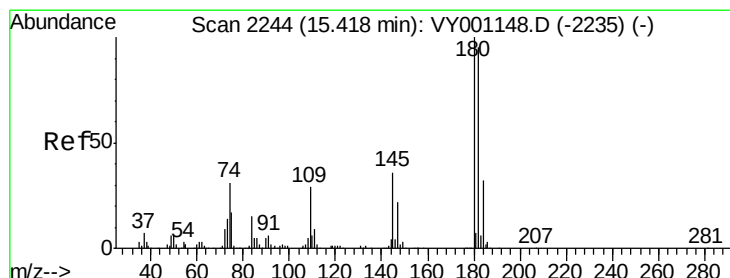
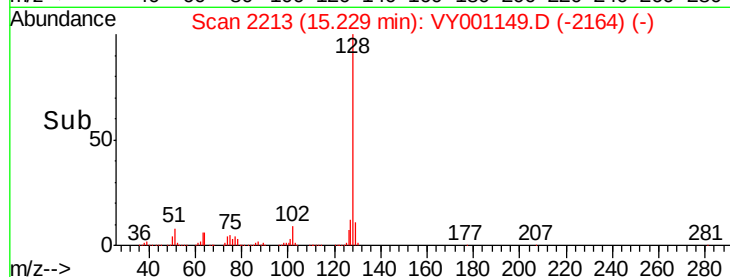
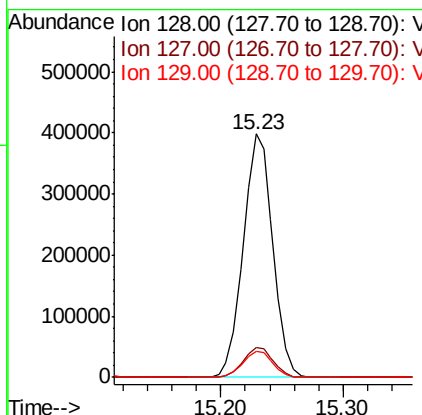
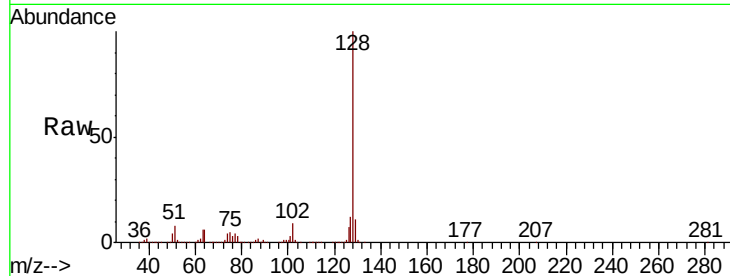
#95
Naphthalene
Concen: 87.590 ug/l
RT: 15.23 min Scan# 2213
Delta R.T. -0.00 min
Lab File: VY001149.D
Acq: 10 Jan 2020 15:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
128	100		662931		
127	12.5		10.2	15.4	
129	10.9		8.5	12.7	

Manual Integrations
APPROVED

MMDadoda
1/13/2020 12:39:01 PM



#96
1,2,3-Trichlorobenzene
Concen: 84.787 ug/l
RT: 15.42 min Scan# 2244
Delta R.T. -0.00 min
Lab File: VY001149.D
Acq: 10 Jan 2020 15:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
180	100		248786		
182	94.3		47.5	142.5	
145	34.3		17.1	51.3	

