

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY030420\
 Data File : VY001842.D
 Acq On : 04 Mar 2020 10:07
 Operator : SY/MD
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 3/5/2020 1:37:04 PM

Quant Time: Mar 05 04:06:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 04 17:40:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	136034	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	243206	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	218335	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	100873	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	7697	5.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.62%	
35) Dibromofluoromethane	7.74	113	6636	5.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.00%	
50) Toluene-d8	10.19	98	28450	5.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.16%	
62) 4-Bromofluorobenzene	12.49	95	10471	5.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.78%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.91	85	7366	5.959	ug/l 93
3) Chloromethane	2.13	50	9689	5.865	ug/l 97
4) Vinyl Chloride	2.27	62	9186	5.450	ug/l # 86
5) Bromomethane	2.67	94	7241	6.557	ug/l 99
6) Chloroethane	2.81	64	5682	5.321	ug/l # 86
7) Trichlorofluoromethane	3.15	101	13339	5.748	ug/l 92
8) Diethyl Ether	3.56	74	4875	5.403	ug/l 95
9) 1,1,2-Trichlorotrifluoroet	3.93	101	8091	5.490	ug/l 99
10) Methyl Iodide	4.12	142	7299	4.267	ug/l 100
11) Tert butyl alcohol	4.99	59	6233m	37.329	ug/l
12) 1,1-Dichloroethene	3.90	96	7998	5.377	ug/l 92
13) Acrolein	3.77	56	5723	28.291	ug/l 92
14) Allyl chloride	4.51	41	13317	5.005	ug/l 94
15) Acrylonitrile	5.21	53	13318	27.634	ug/l 99
16) Acetone	3.98	43	11311	27.341	ug/l 95
17) Carbon Disulfide	4.22	76	26470	5.314	ug/l 96
18) Methyl Acetate	4.52	43	6088	5.744	ug/l 98
19) Methyl tert-butyl Ether	5.25	73	21555	5.349	ug/l 96
20) Methylene Chloride	4.75	84	11268	6.286	ug/l 91
21) trans-1,2-Dichloroethene	5.25	96	9090	5.403	ug/l 88
22) Diisopropyl ether	6.14	45	29039	5.408	ug/l 90
23) Vinyl Acetate	6.10	43	94032	26.663	ug/l 99
24) 1,1-Dichloroethane	6.05	63	15846	5.456	ug/l 96
25) 2-Butanone	7.02	43	16895	26.513	ug/l 96
26) 2,2-Dichloropropane	7.02	77	13081	5.417	ug/l 99
27) cis-1,2-Dichloroethene	7.01	96	9627	5.269	ug/l 96
28) Bromochloromethane	7.36	49	6946	5.226	ug/l 95
29) Tetrahydrofuran	7.38	42	11620	27.700	ug/l 100
30) Chloroform	7.53	83	14624	5.311	ug/l 96
31) Cyclohexane	7.81	56	18663	5.961	ug/l # 85
32) 1,1,1-Trichloroethane	7.73	97	11858	5.096	ug/l 98
36) 1,1-Dichloropropene	7.94	75	12570	5.503	ug/l 99
37) Ethyl Acetate	7.10	43	6834	5.023	ug/l # 78
38) Carbon Tetrachloride	7.92	117	10544	5.394	ug/l 96

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Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	16183	5.300	ug/l	95
40) Benzene	8.18	78	36610	5.391	ug/l	99
41) Methacrylonitrile	7.33	41	3021m	3.764	ug/l	
42) 1,2-Dichloroethane	8.26	62	9368	5.345	ug/l	98
43) Isopropyl Acetate	8.30	43	13339	5.271	ug/l	97
44) Trichloroethene	8.96	130	8867	5.349	ug/l	96
45) 1,2-Dichloropropane	9.24	63	9050	5.281	ug/l	97
46) Dibromomethane	9.32	93	4548	5.122	ug/l	92
47) Bromodichloromethane	9.51	83	10401	5.068	ug/l	95
48) Methyl methacrylate	9.30	41	5600	4.883	ug/l #	90
49) 1,4-Dioxane	9.33	88	1365	116.588	ug/l #	84
51) 4-Methyl-2-Pentanone	10.08	43	35309	27.078	ug/l	97
52) Toluene	10.26	92	22137	5.376	ug/l	96
53) t-1,3-Dichloropropene	10.48	75	11167	4.982	ug/l	97
54) cis-1,3-Dichloropropene	9.94	75	13570	5.079	ug/l	97
55) 1,1,2-Trichloroethane	10.66	97	6797	5.246	ug/l	92
56) Ethyl methacrylate	10.52	69	9612	5.091	ug/l	96
57) 1,3-Dichloropropane	10.80	76	12600	5.492	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.80	63	16355	21.355	ug/l	96
59) 2-Hexanone	10.85	43	25079	27.049	ug/l	98
60) Dibromochloromethane	11.00	129	6894	5.063	ug/l	98
61) 1,2-Dibromoethane	11.10	107	6626	5.472	ug/l	100
64) Tetrachloroethene	10.73	164	7302	5.422	ug/l	95
65) Chlorobenzene	11.53	112	22932	5.380	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	7320	5.266	ug/l	98
67) Ethyl Benzene	11.60	91	41981	5.271	ug/l	99
68) m/p-Xylenes	11.71	106	31098	10.550	ug/l	97
69) o-Xylene	12.04	106	14860	5.360	ug/l	97
70) Styrene	12.05	104	23501	4.901	ug/l	98
71) Bromoform	12.22	173	3661	4.815	ug/l #	98
73) Isopropylbenzene	12.34	105	38656	5.103	ug/l	98
74) N-amyl acetate	12.15	43	12183	5.245	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.59	83	8455	5.178	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	7049m	5.439	ug/l	
77) Bromobenzene	12.62	156	8340	5.185	ug/l	96
78) n-propylbenzene	12.68	91	48004	5.138	ug/l	100
79) 2-Chlorotoluene	12.77	91	26484	5.125	ug/l	99
80) 1,3,5-Trimethylbenzene	12.82	105	32142	5.181	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	2798	4.773	ug/l	95
82) 4-Chlorotoluene	12.86	91	28211	5.271	ug/l	99
83) tert-Butylbenzene	13.08	119	26279	5.070	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	31697	5.111	ug/l	100
85) sec-Butylbenzene	13.26	105	38641	5.049	ug/l	98
86) p-Isopropyltoluene	13.38	119	33664	5.122	ug/l	98
87) 1,3-Dichlorobenzene	13.38	146	16618	5.259	ug/l	98
88) 1,4-Dichlorobenzene	13.45	146	17137	5.395	ug/l	94
89) n-Butylbenzene	13.70	91	35824	5.284	ug/l	96
90) Hexachloroethane	13.97	117	6215	5.047	ug/l	100
91) 1,2-Dichlorobenzene	13.75	146	14943	5.242	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.36	75	1465	5.766	ug/l	91

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MSVOA_Y
ClientSampleId :
VSTDICC005

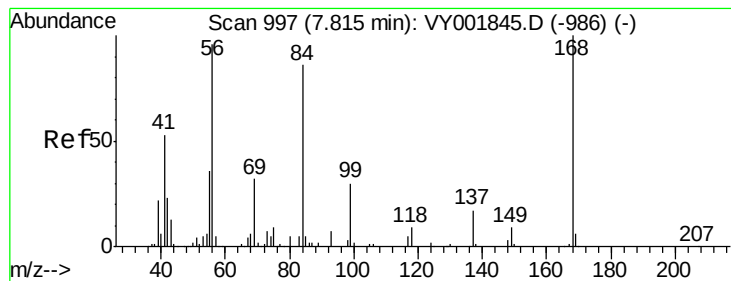
Manual Integrations
APPROVED

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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	9773	5.254	ug/l	94
94) Hexachlorobutadiene	15.12	225	4844	5.354	ug/l	93
95) Naphthalene	15.25	128	22995	5.256	ug/l	99
96) 1,2,3-Trichlorobenzene	15.44	180	8306	5.055	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.00 min

Lab File: VY001842.D

Acq: 04 Mar 2020 10:07

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 136034

Ion Ratio Lower Upper

168 100

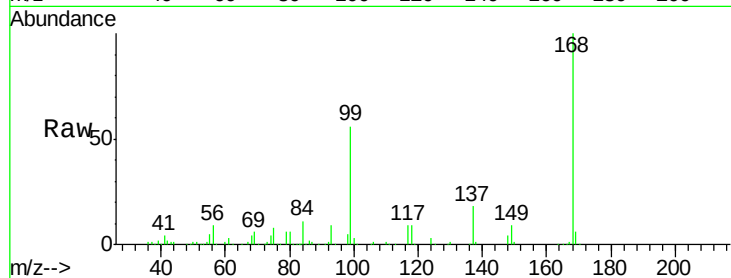
99 60.0 46.7 70.1

Manual Integrations

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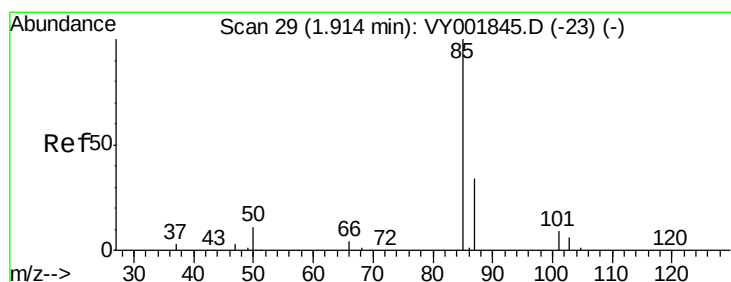
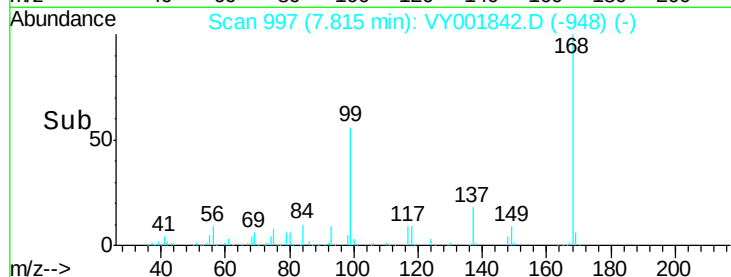
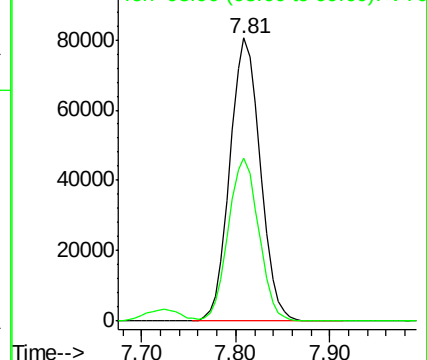
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Abundance Ion 167.90 (167.60 to 168.60): VY0

Ion 98.90 (98.60 to 99.60): VY0



#2

Dichlorodifluoromethane

Concen: 5.959 ug/l

RT: 1.91 min Scan# 29

Delta R.T. 0.00 min

Lab File: VY001842.D

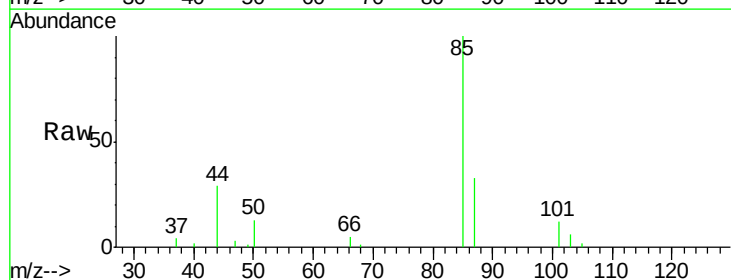
Acq: 04 Mar 2020 10:07

Tgt Ion: 85 Resp: 7366

Ion Ratio Lower Upper

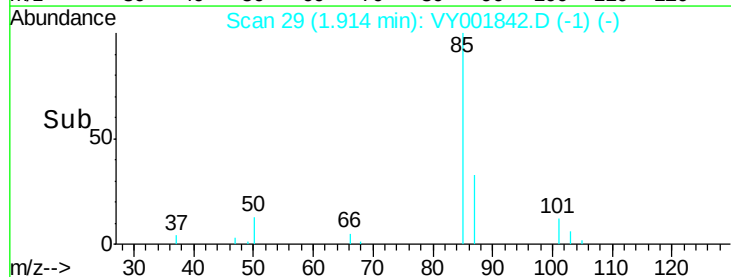
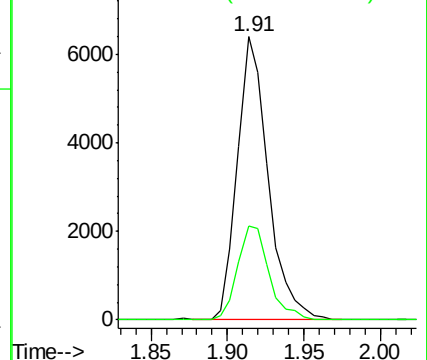
85 100

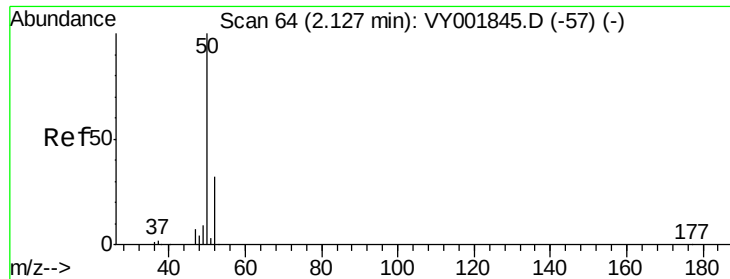
87 29.5 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VY0

Ion 86.90 (86.60 to 87.60): VY0





#3

Chloromethane

Concen: 5.865 ug/l

RT: 2.13 min Scan# 64

Delta R.T. 0.00 min

Lab File: VY001842.D

Acq: 04 Mar 2020 10:07

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 9689

Ion Ratio Lower Upper

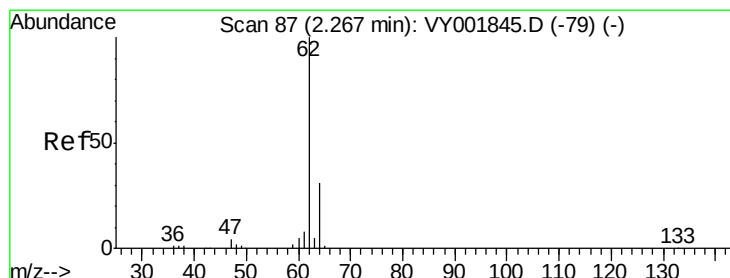
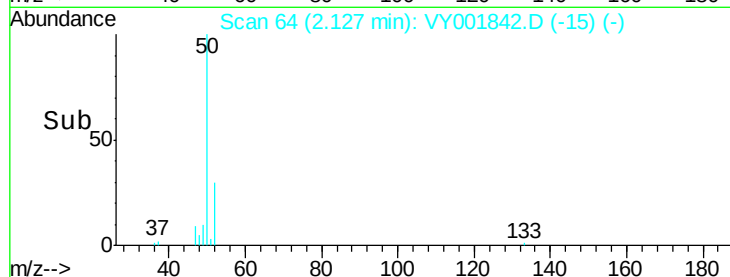
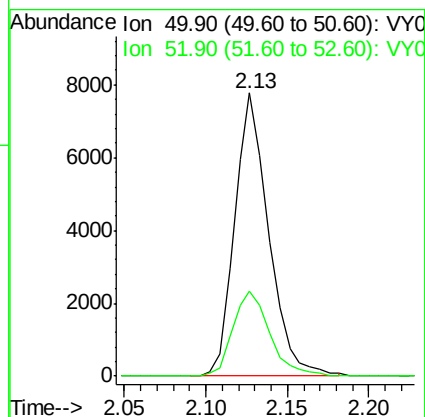
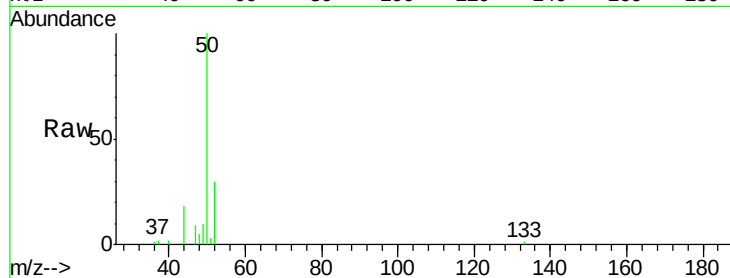
50 100

52 30.3 25.8 38.6

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#4

Vinyl Chloride

Concen: 5.450 ug/l

RT: 2.27 min Scan# 87

Delta R.T. 0.00 min

Lab File: VY001842.D

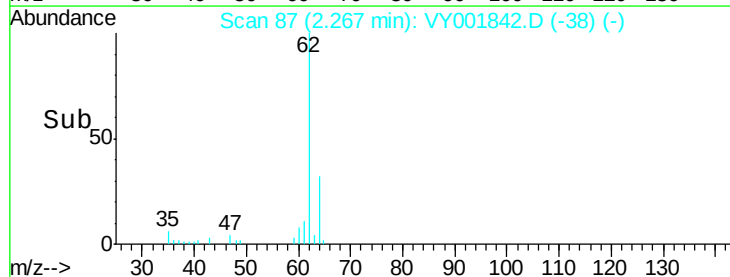
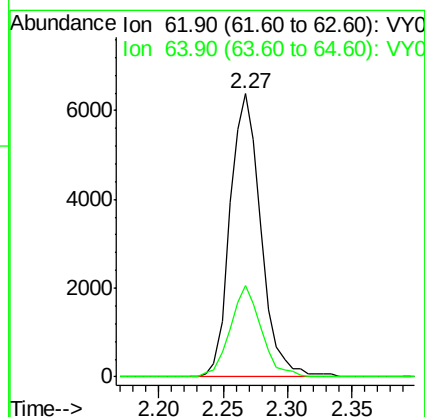
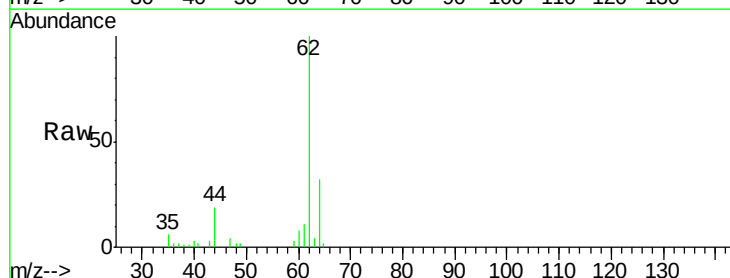
Acq: 04 Mar 2020 10:07

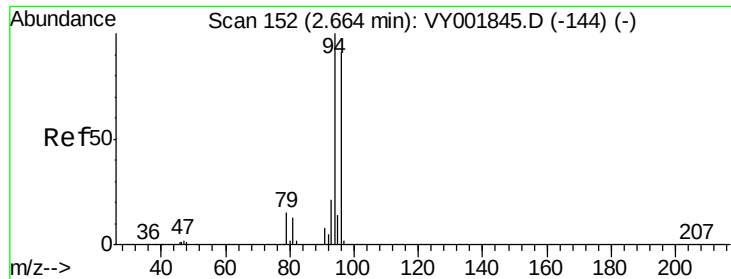
Tgt Ion: 62 Resp: 9186

Ion Ratio Lower Upper

62 100

64 39.3 25.1 37.7#





#5

Bromomethane

Concen: 6.557 ug/l

RT: 2.67 min Scan# 153

Delta R.T. 0.01 min

Lab File: VY001842.D

Acq: 04 Mar 2020 10:07

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 7241

Ion Ratio Lower Upper

94 100

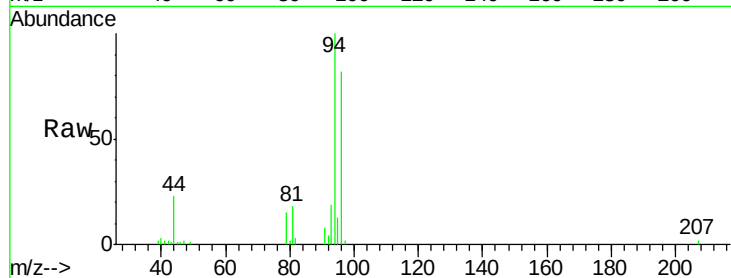
96 90.3 73.2 109.8

Manual Integrations

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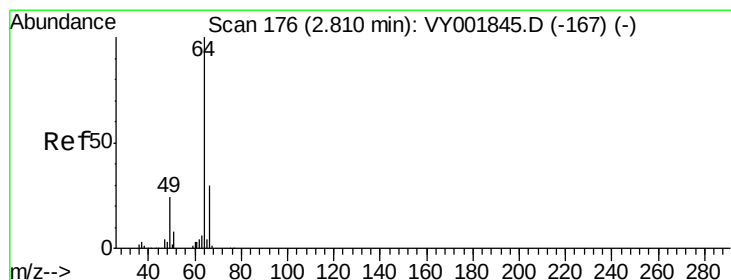
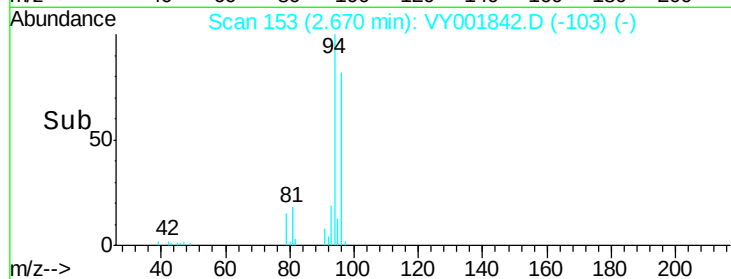
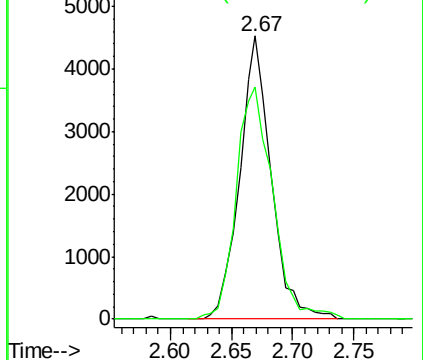
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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 5.321 ug/l

RT: 2.81 min Scan# 176

Delta R.T. 0.00 min

Lab File: VY001842.D

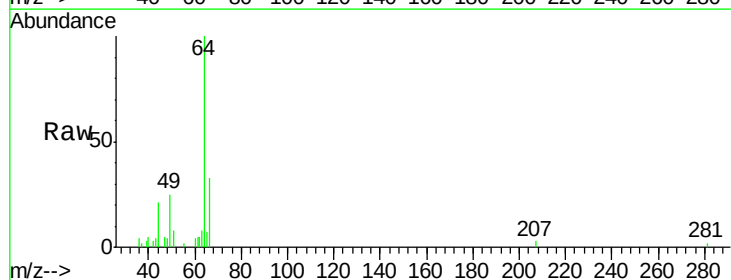
Acq: 04 Mar 2020 10:07

Tgt Ion: 64 Resp: 5682

Ion Ratio Lower Upper

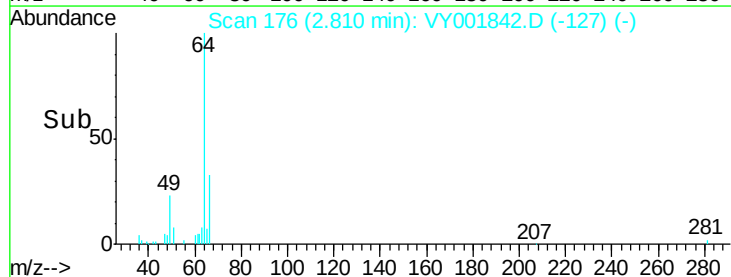
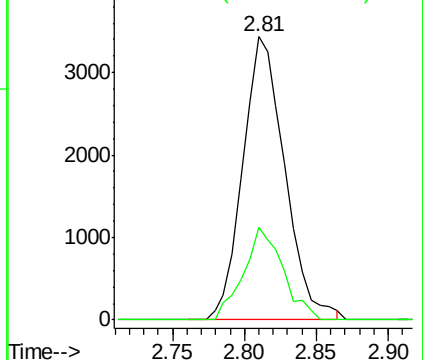
64 100

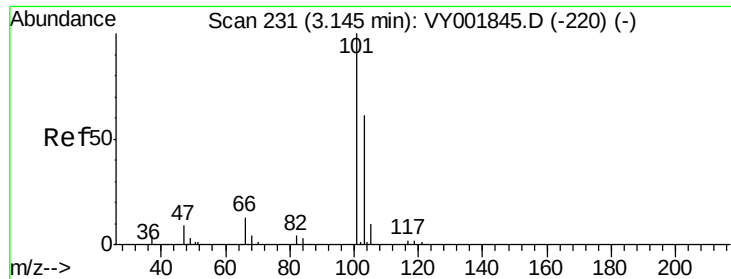
66 37.2 23.8 35.8#



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

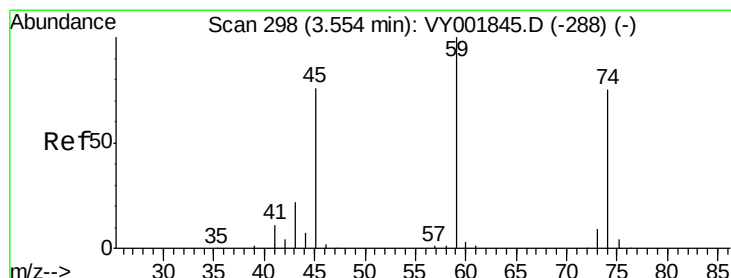
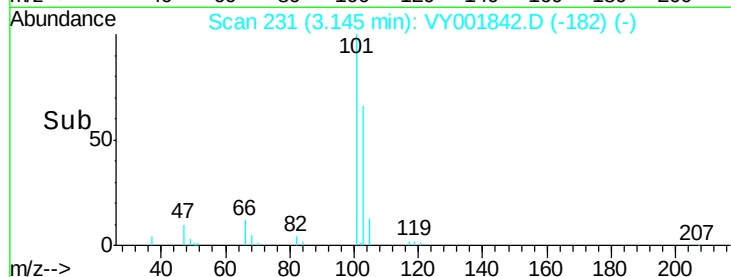
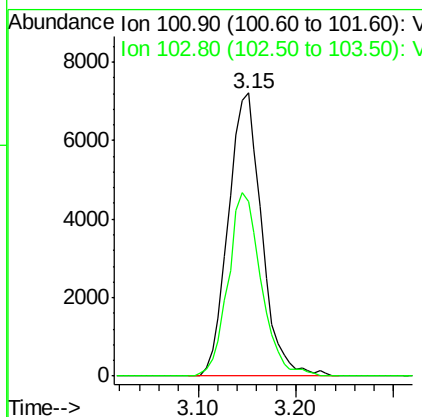
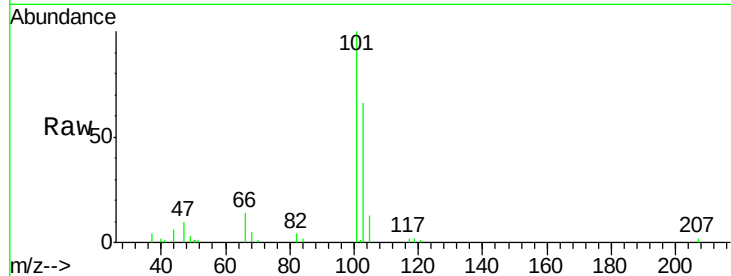
Trichlorofluoromethane
Concen: 5.748 ug/l
RT: 3.15 min Scan# 231
Delta R.T. 0.00 min
Lab File: VY001842.D
Acq: 04 Mar 2020 10:07

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VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.6	49.1	73.7

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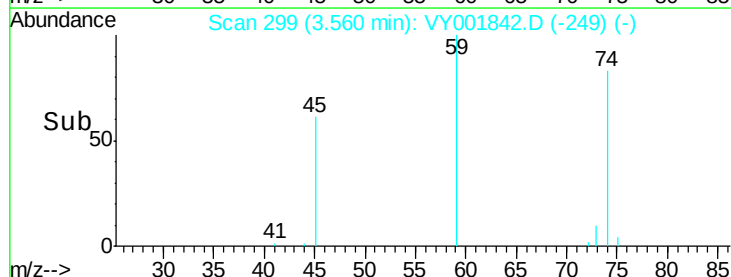
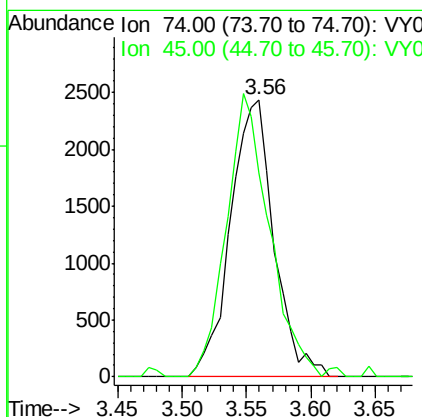
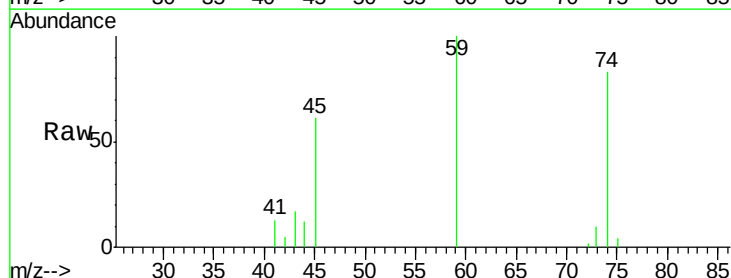
MMDadoda
3/5/2020 1:37:04 PM

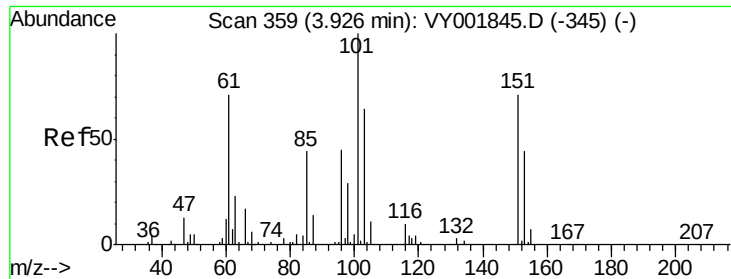


#8

Diethyl Ether
Concen: 5.403 ug/l
RT: 3.56 min Scan# 299
Delta R.T. 0.01 min
Lab File: VY001842.D
Acq: 04 Mar 2020 10:07

Tgt Ion	Ratio	Lower	Upper
74	100		
45	105.9	50.5	151.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.490 ug/l

RT: 3.93 min Scan# 360

Delta R.T. 0.01 min

Lab File: VY001842.D

Acq: 04 Mar 2020 10:07

Instrument :

MSVOA_Y

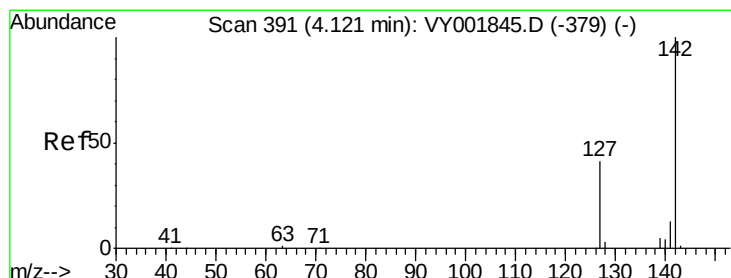
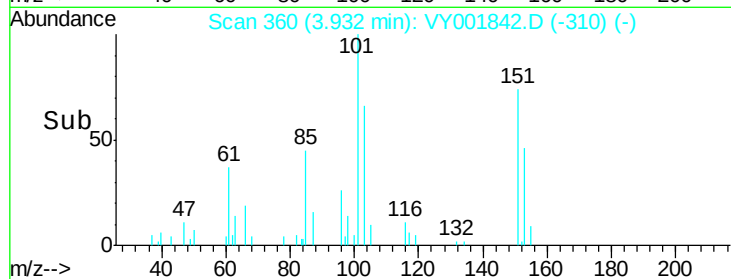
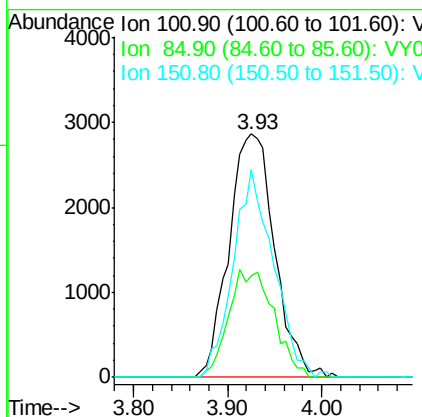
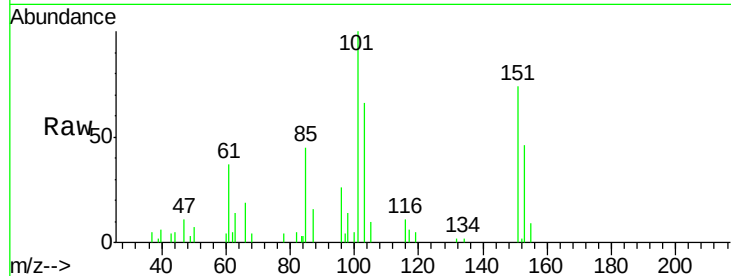
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	8091
Ion Ratio	Lower	Upper	
101	100		
85	43.7	35.3	52.9
151	70.3	57.0	85.4

Manual Integrations
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#10

Methyl Iodide

Concen: 4.267 ug/l

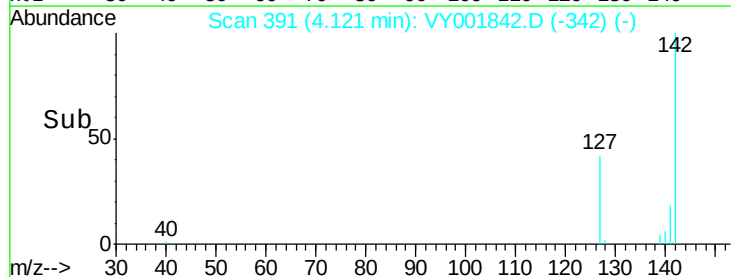
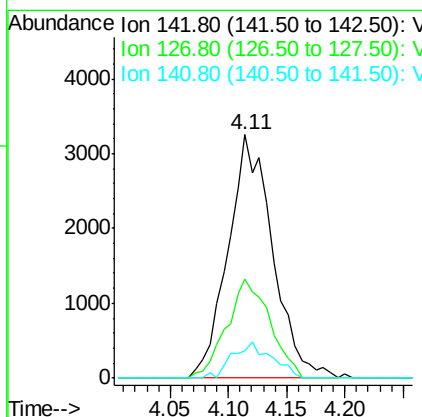
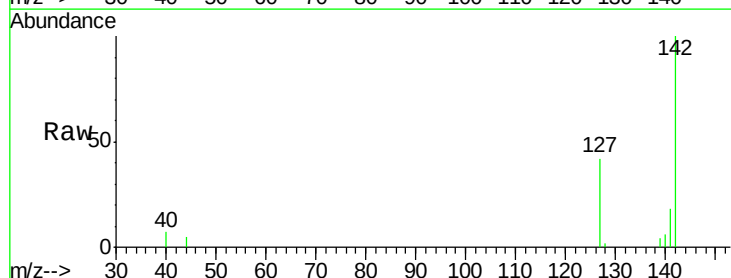
RT: 4.12 min Scan# 391

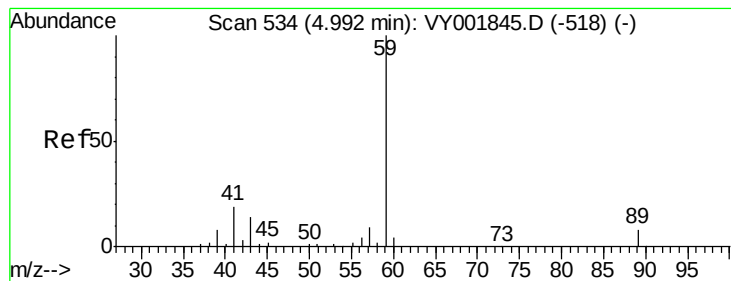
Delta R.T. 0.00 min

Lab File: VY001842.D

Acq: 04 Mar 2020 10:07

Tgt Ion:	142	Resp:	7299
Ion Ratio	Lower	Upper	
142	100		
127	41.1	32.7	49.1
141	14.0	11.0	16.6





#11

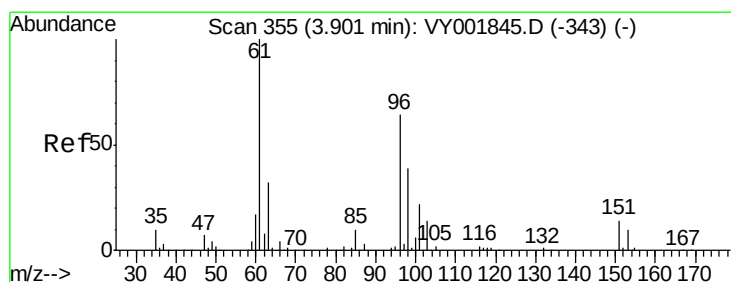
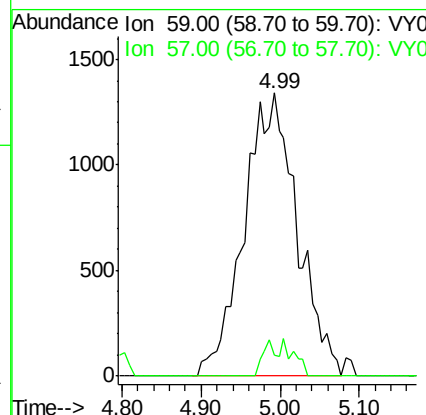
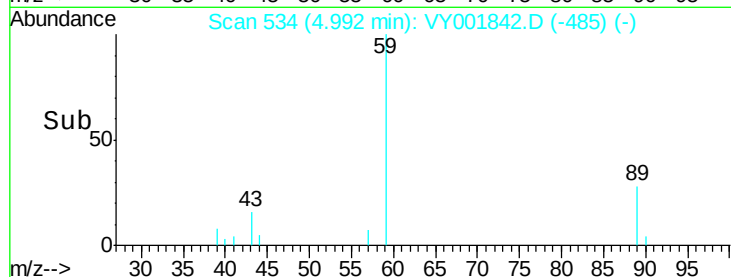
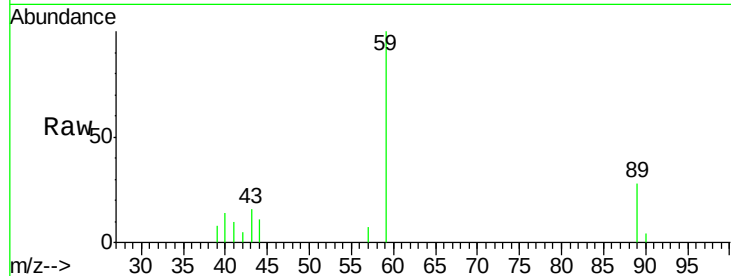
Tert butyl alcohol
 Concen: 37.329 ug/l m
 RT: 4.99 min Scan# 534
 Delta R.T. -0.00 min
 Lab File: VY001842.D
 Acq: 04 Mar 2020 10:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Tot Ion: 59 Resp: 6233
 Ion Ratio Lower Upper
 59 100
 57 1.9 7.4 11.2#

Manual Integrations
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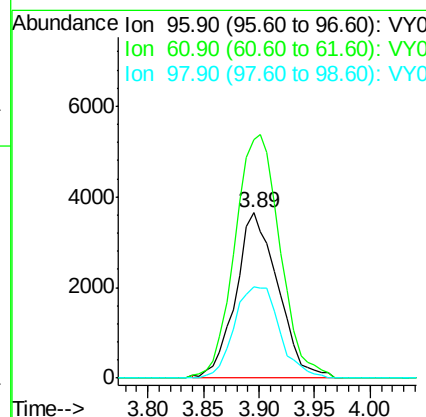
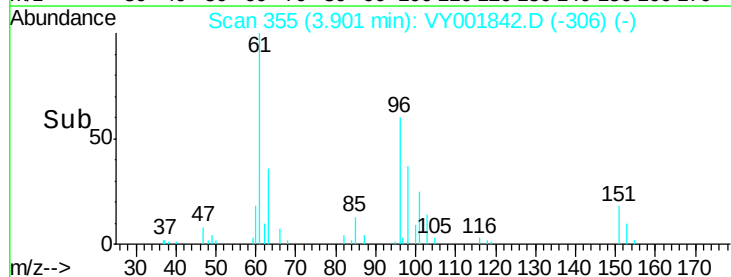
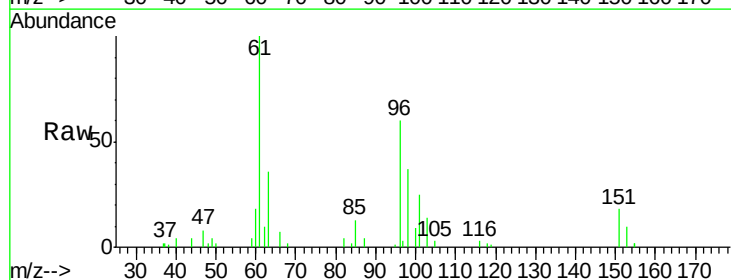
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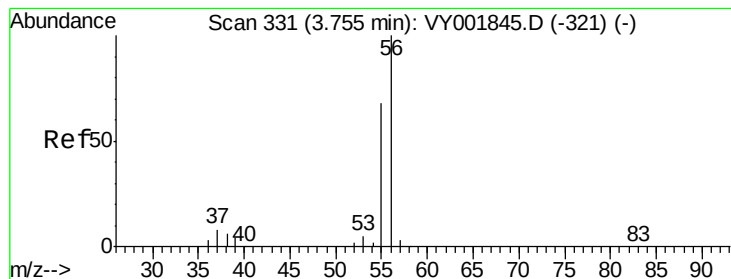


#12

1,1-Dichloroethene
 Concen: 5.377 ug/l
 RT: 3.90 min Scan# 355
 Delta R.T. 0.00 min
 Lab File: VY001842.D
 Acq: 04 Mar 2020 10:07

Tgt Ion: 96 Resp: 7998
 Ion Ratio Lower Upper
 96 100
 61 147.3 124.8 187.2
 98 70.3 49.2 73.8





#13

Acrolein

Concen: 28.291 ug/l

RT: 3.77 min Scan# 333

Delta R.T. 0.01 min

Lab File: VY001842.D

Acq: 04 Mar 2020 10:07

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 5723

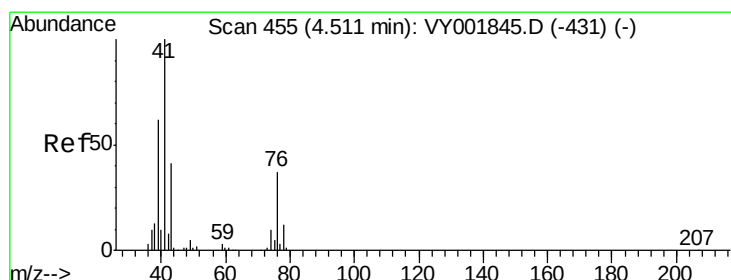
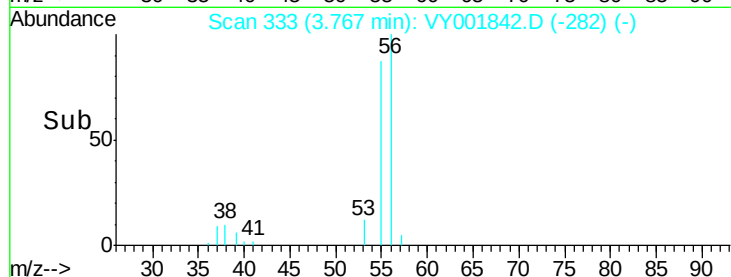
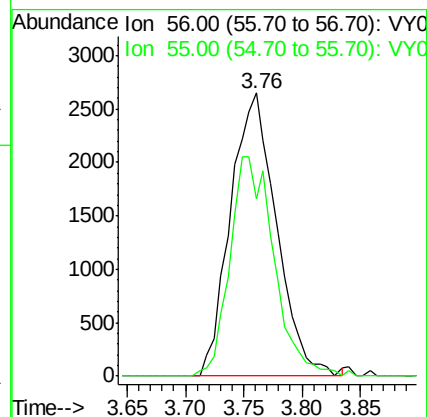
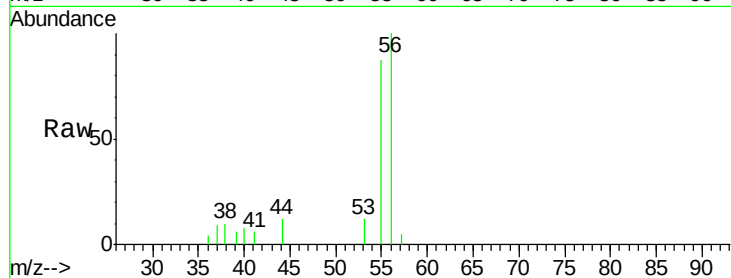
Ion Ratio Lower Upper

56 100

55 74.2 54.0 81.0

Manual Integrations
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#14

Allyl chloride

Concen: 5.005 ug/l

RT: 4.51 min Scan# 455

Delta R.T. 0.00 min

Lab File: VY001842.D

Acq: 04 Mar 2020 10:07

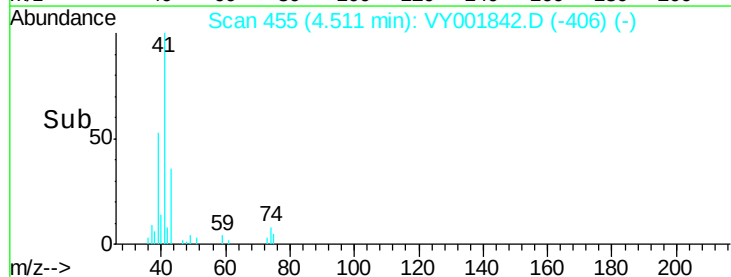
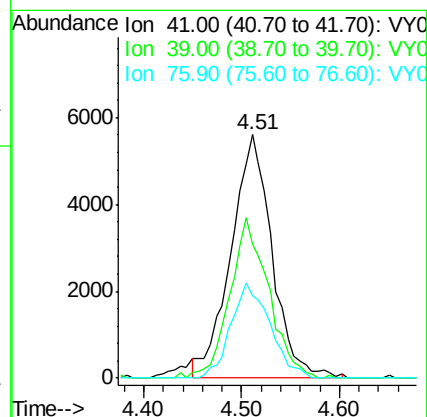
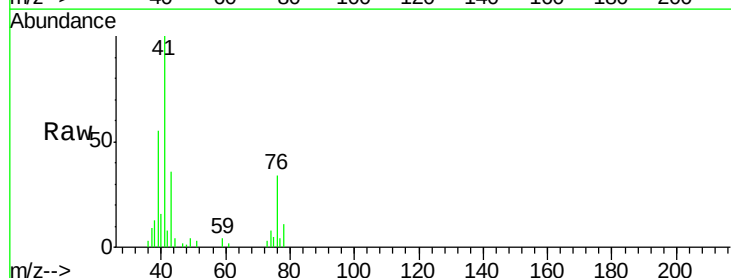
Tgt Ion: 41 Resp: 13317

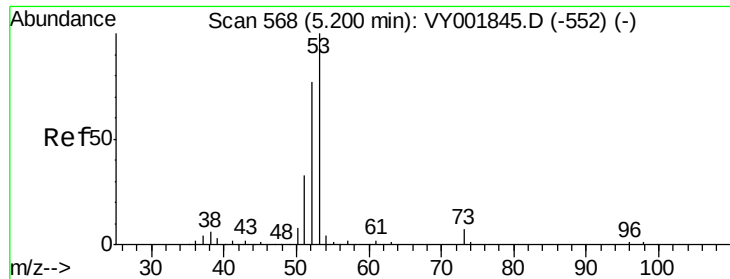
Ion Ratio Lower Upper

41 100

39 68.2 49.0 73.6

76 37.1 28.9 43.3





#15

Acrylonitrile

Concen: 27.634 ug/l

RT: 5.21 min Scan# 569

Delta R.T. 0.01 min

Lab File: VY001842.D

Acq: 04 Mar 2020 10:07

Instrument :

MSVOA_Y

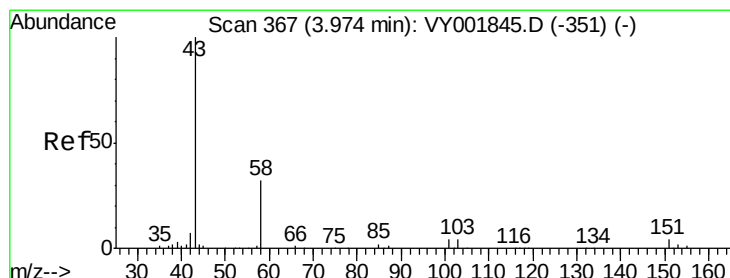
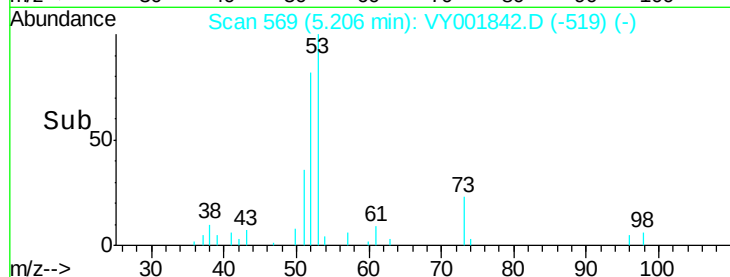
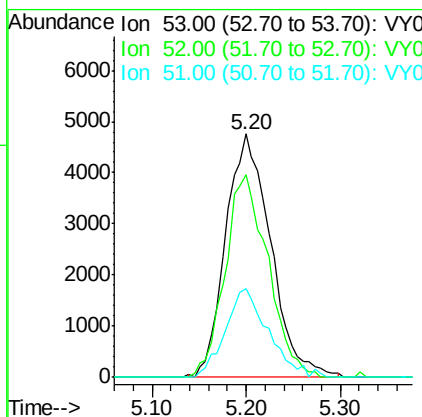
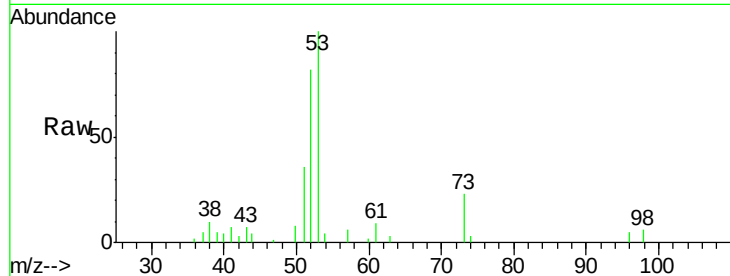
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	13318
Ion	Ratio	Lower	Upper
53	100		
52	82.7	65.1	97.7
51	34.1	27.5	41.3

Manual Integrations
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#16

Acetone

Concen: 27.341 ug/l

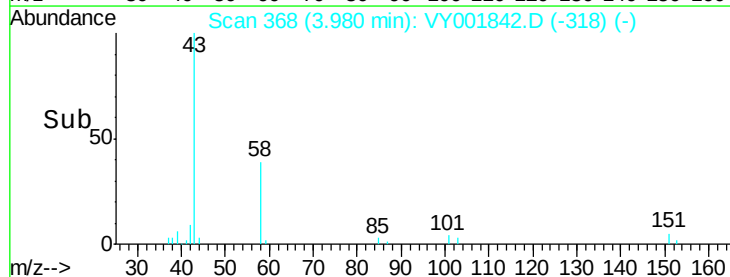
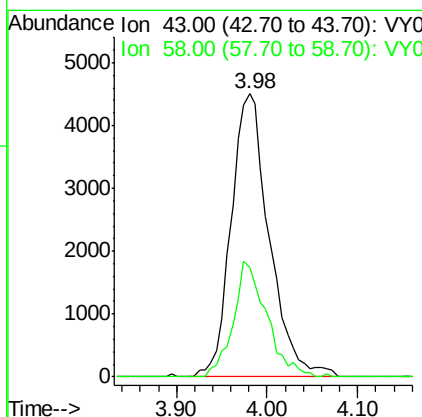
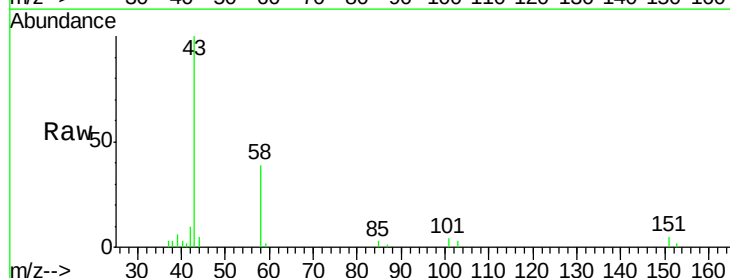
RT: 3.98 min Scan# 368

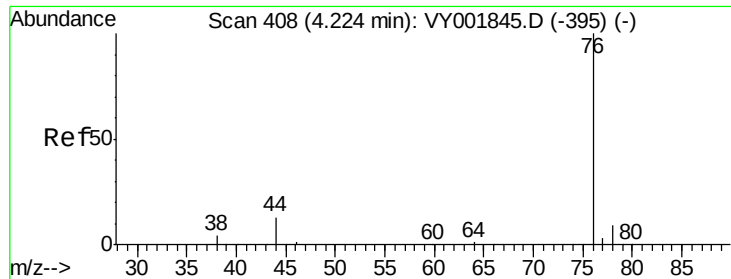
Delta R.T. 0.01 min

Lab File: VY001842.D

Acq: 04 Mar 2020 10:07

Tgt Ion:	43	Resp:	11311
Ion	Ratio	Lower	Upper
43	100		
58	35.0	25.9	38.9





#17

Carbon Disulfide

Concen: 5.314 ug/l

RT: 4.22 min Scan# 408

Delta R.T. 0.00 min

Lab File: VY001842.D

Acq: 04 Mar 2020 10:07

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 26470

Ion Ratio Lower Upper

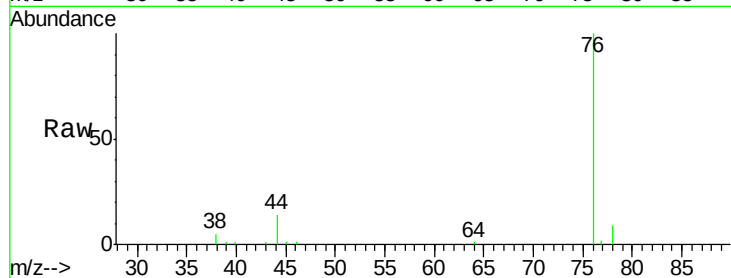
76 100

78 8.0 7.4 11.2

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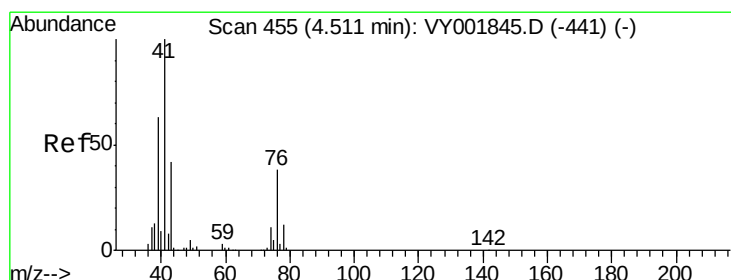
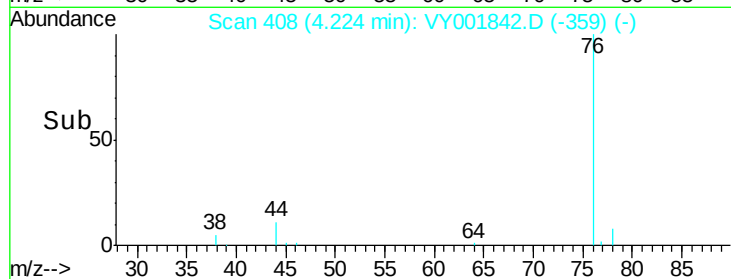
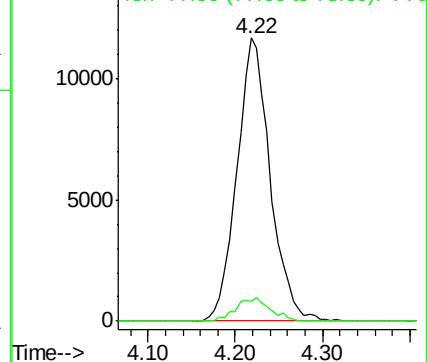
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Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#18

Methyl Acetate

Concen: 5.744 ug/l

RT: 4.52 min Scan# 457

Delta R.T. 0.01 min

Lab File: VY001842.D

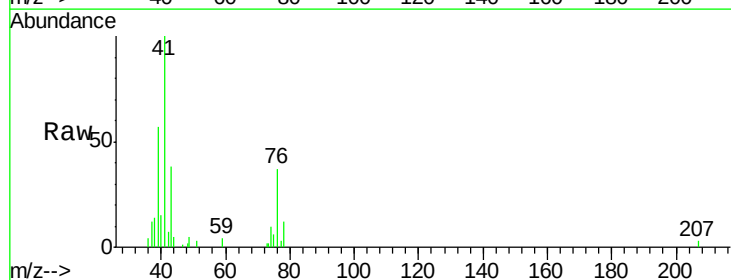
Acq: 04 Mar 2020 10:07

Tgt Ion: 43 Resp: 6088

Ion Ratio Lower Upper

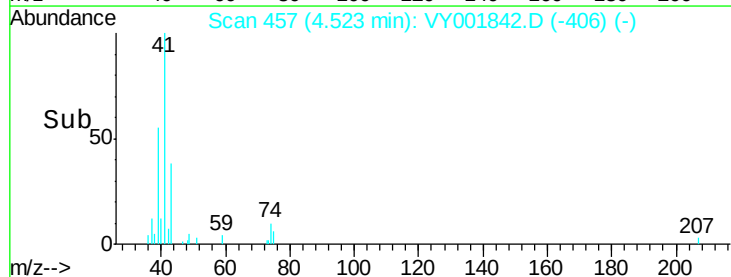
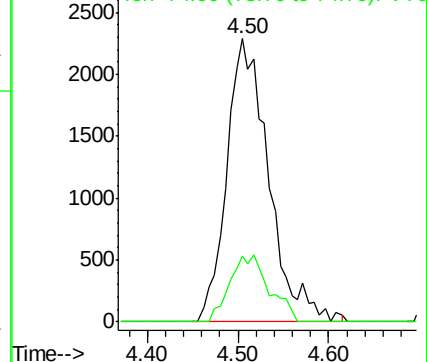
43 100

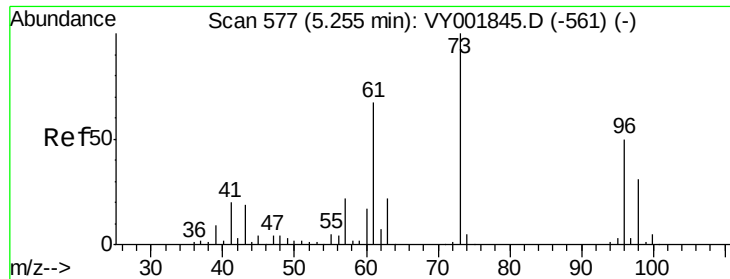
74 22.8 19.0 28.6



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0





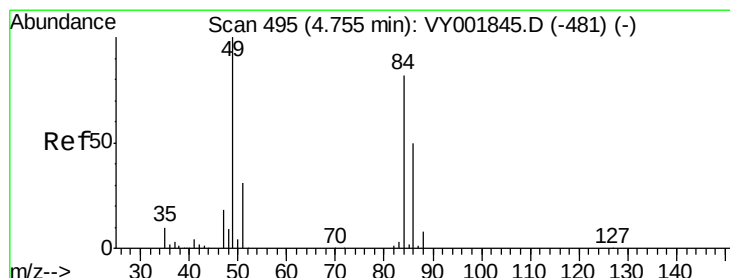
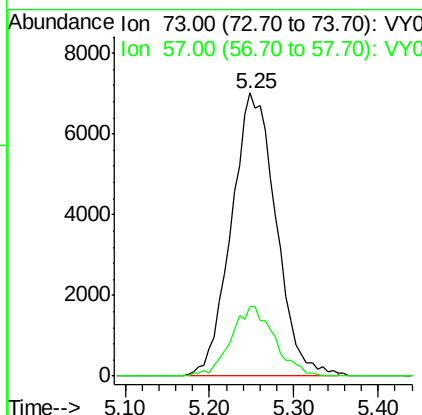
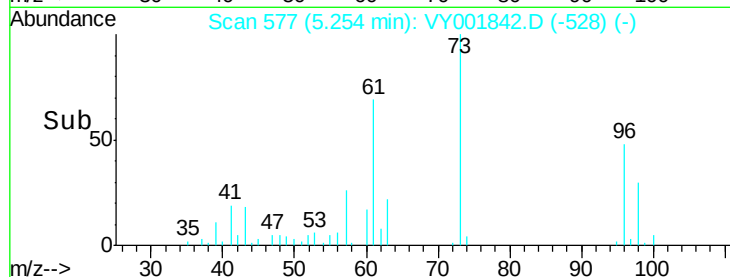
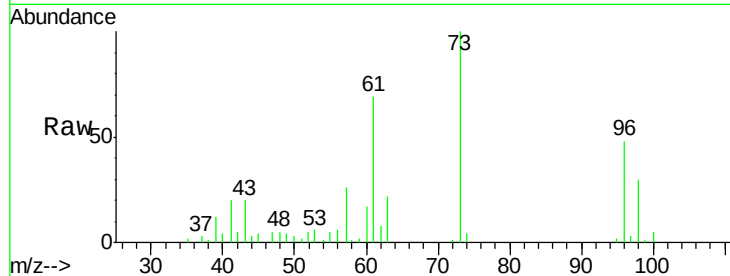
#19
Methyl tert-butyl Ether
Concen: 5.349 ug/l
RT: 5.25 min Scan# 577
Delta R.T. 0.00 min
Lab File: VY001842.D
Acq: 04 Mar 2020 10:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion: 73 Resp: 21555
Ion Ratio Lower Upper
73 100
57 23.9 17.4 26.2

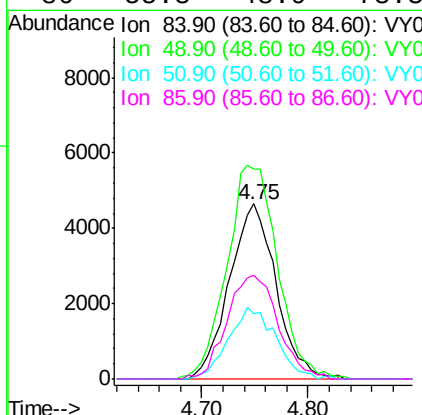
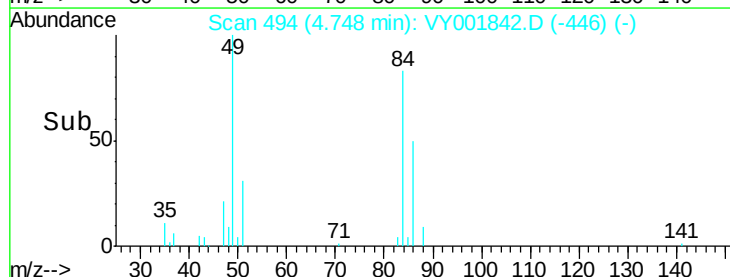
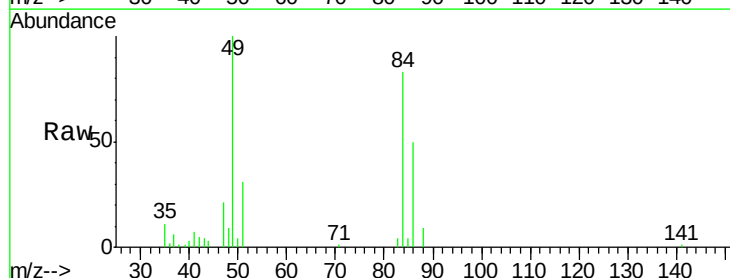
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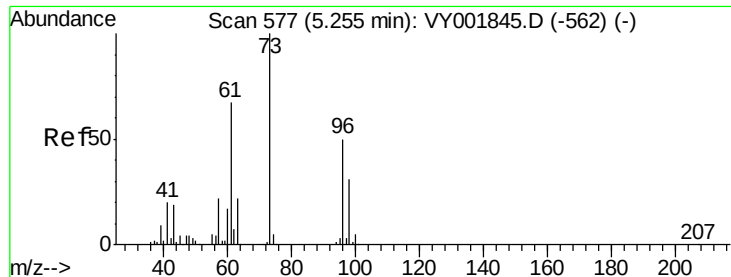
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#20
Methylene Chloride
Concen: 6.286 ug/l
RT: 4.75 min Scan# 494
Delta R.T. -0.01 min
Lab File: VY001842.D
Acq: 04 Mar 2020 10:07

Tgt Ion: 84 Resp: 11268
Ion Ratio Lower Upper
84 100
49 135.6 98.2 147.2
51 37.1 30.2 45.2
86 55.3 48.9 73.3





#21

trans-1,2-Dichloroethene

Concen: 5.403 ug/l

RT: 5.25 min Scan# 577

Delta R.T. 0.00 min

Lab File: VY001842.D

Acq: 04 Mar 2020 10:07

Instrument :

MSVOA_Y

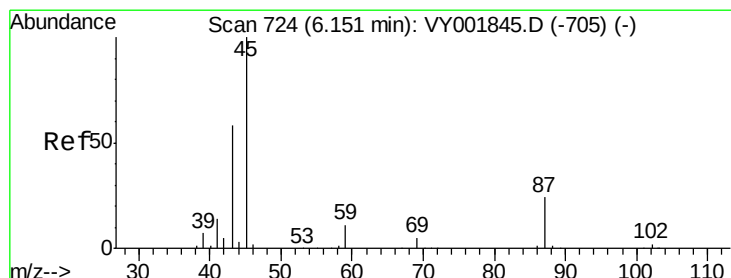
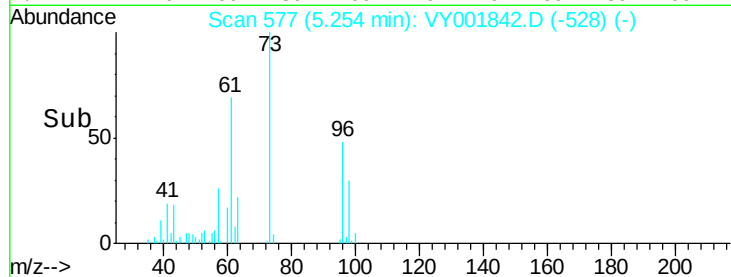
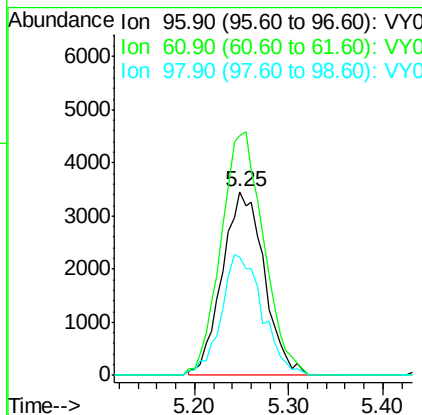
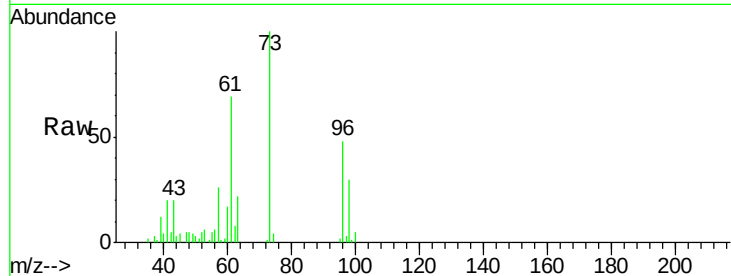
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	9090
Ion	Ratio	Lower	Upper
96	100		
61	151.5	107.7	161.5
98	68.1	49.3	73.9

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#22

Diisopropyl ether

Concen: 5.408 ug/l

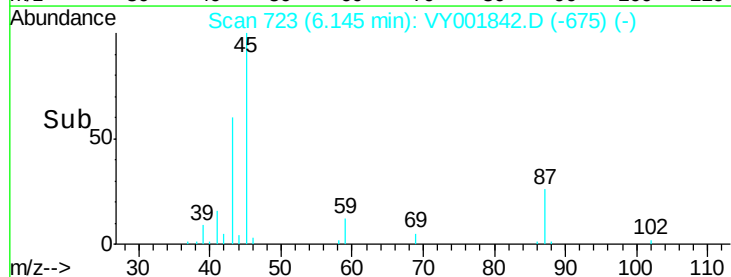
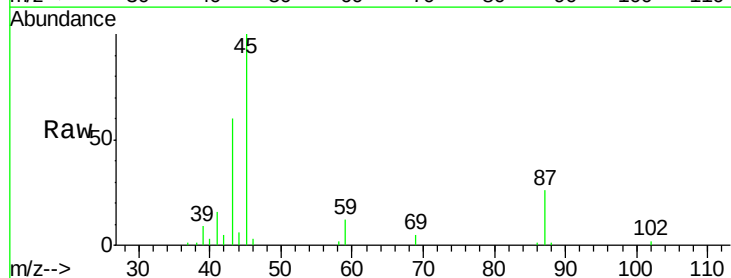
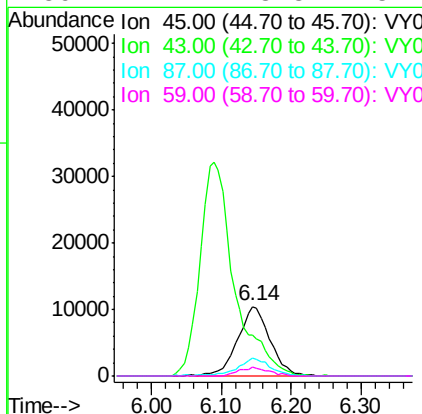
RT: 6.14 min Scan# 723

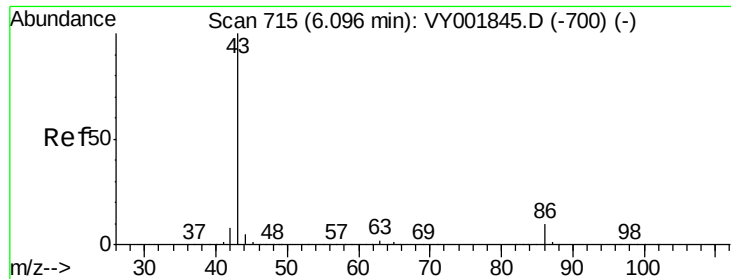
Delta R.T. -0.01 min

Lab File: VY001842.D

Acq: 04 Mar 2020 10:07

Tgt Ion:	45	Resp:	29039
Ion	Ratio	Lower	Upper
45	100		
43	68.9	47.2	70.8
87	26.7	19.8	29.8
59	12.2	8.8	13.2





#23

Vinyl Acetate

Concen: 26.663 ug/l

RT: 6.10 min Scan# 715

Delta R.T. 0.00 min

Lab File: VY001842.D

Acq: 04 Mar 2020 10:07

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 94032

Ion Ratio Lower Upper

43 100

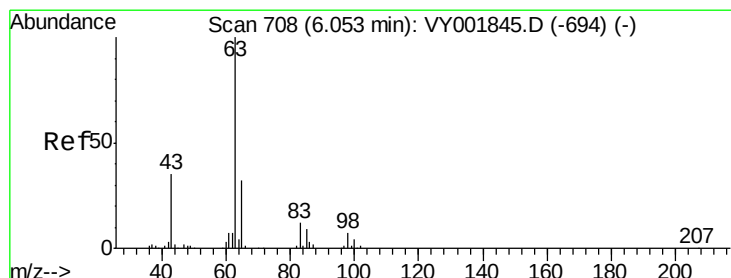
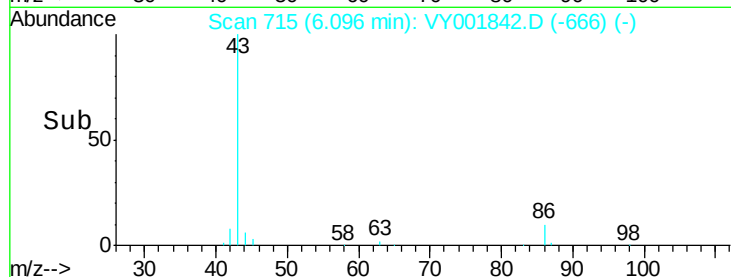
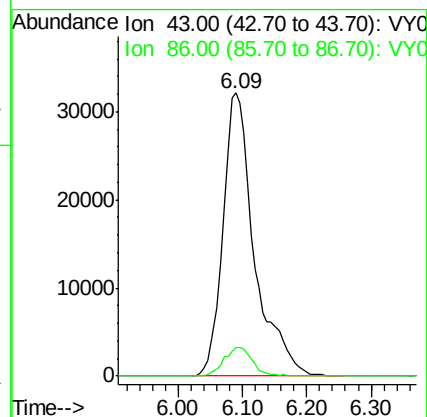
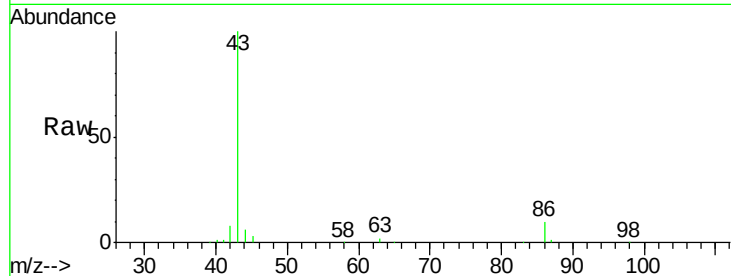
86 10.1 7.8 11.8

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#24

1,1-Dichloroethane

Concen: 5.456 ug/l

RT: 6.05 min Scan# 708

Delta R.T. 0.00 min

Lab File: VY001842.D

Acq: 04 Mar 2020 10:07

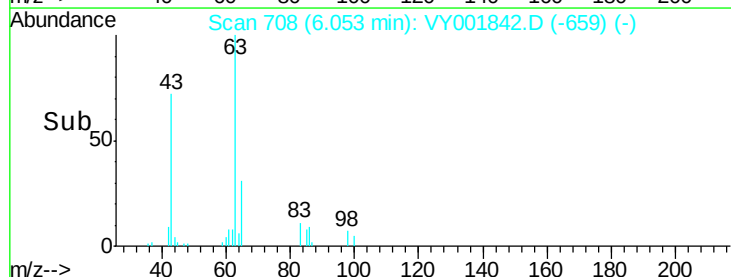
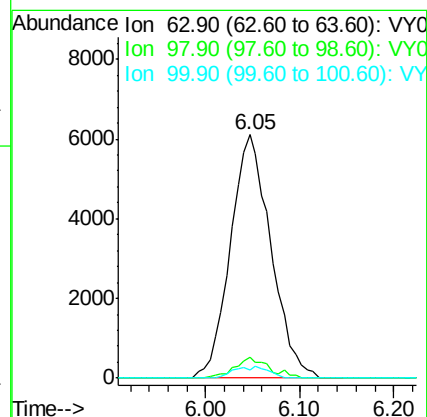
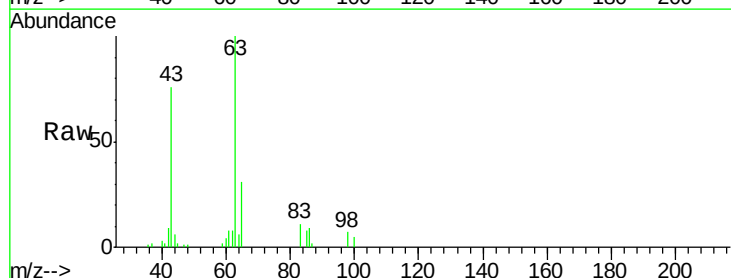
Tgt Ion: 63 Resp: 15846

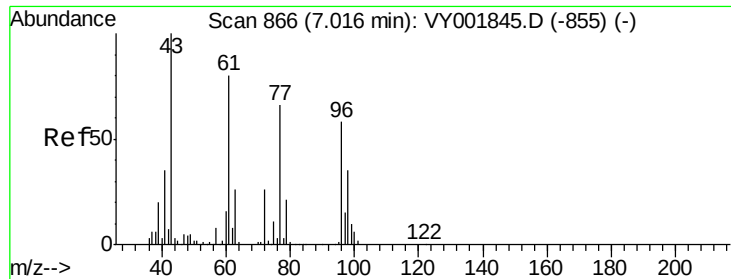
Ion Ratio Lower Upper

63 100

98 4.6 3.4 10.2

100 4.3 2.0 6.0





#25

2-Butanone

Concen: 26.513 ug/l

RT: 7.02 min Scan# 867

Delta R.T. 0.01 min

Lab File: VY001842.D

Acq: 04 Mar 2020 10:07

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 16895

Ion Ratio Lower Upper

43 100

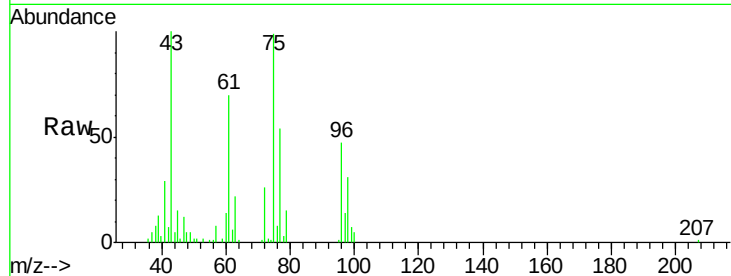
72 24.0 20.9 31.3

Manual Integrations

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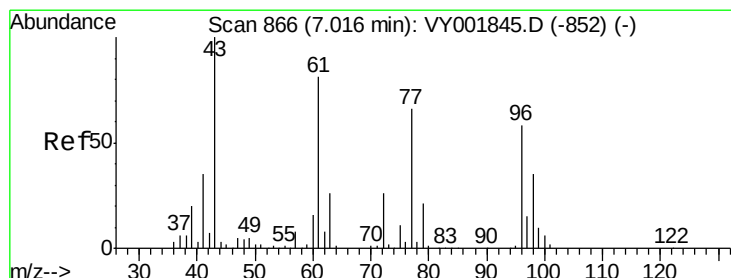
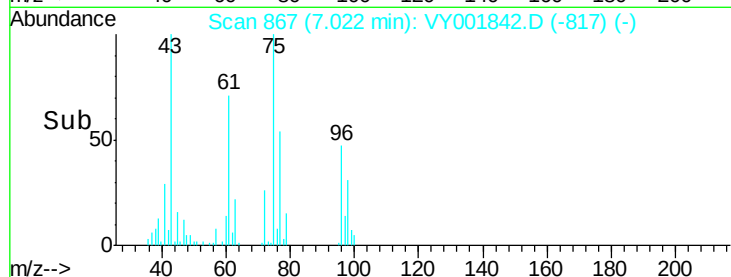
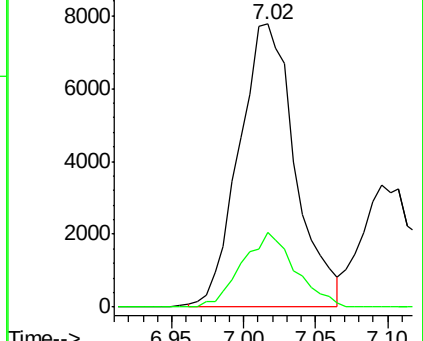
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#26

2,2-Dichloropropane

Concen: 5.417 ug/l

RT: 7.02 min Scan# 866

Delta R.T. 0.00 min

Lab File: VY001842.D

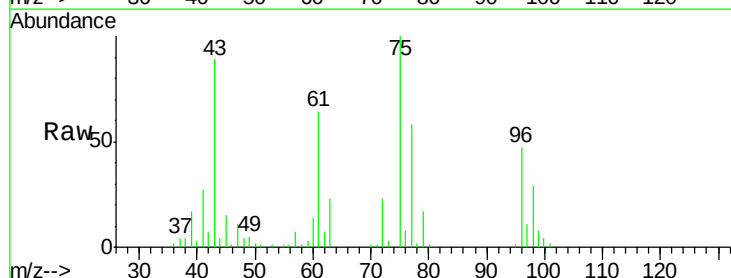
Acq: 04 Mar 2020 10:07

Tgt Ion: 77 Resp: 13081

Ion Ratio Lower Upper

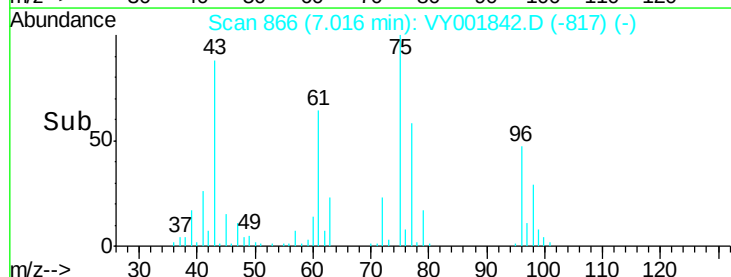
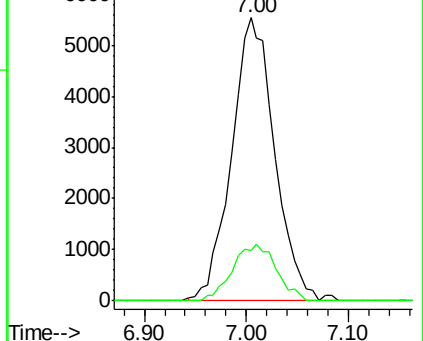
77 100

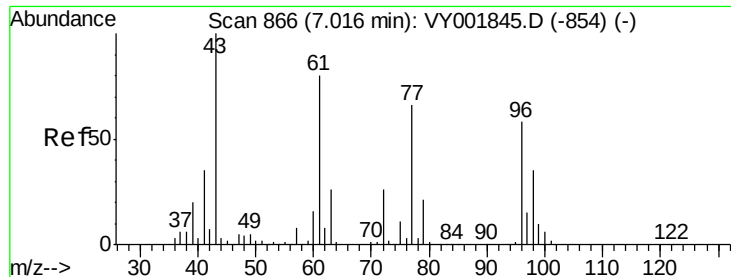
97 23.5 11.9 35.7



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0





#27

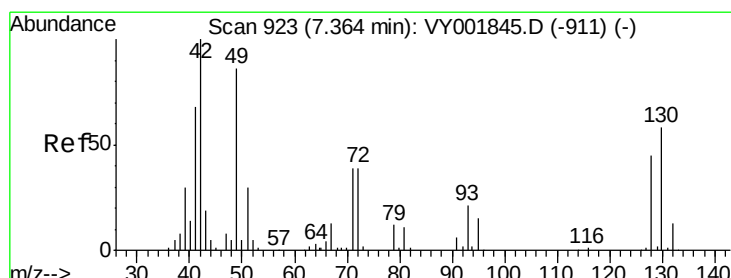
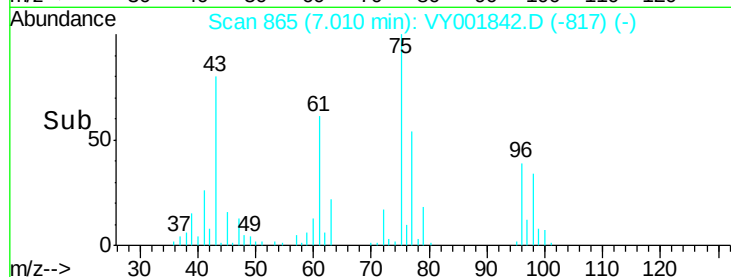
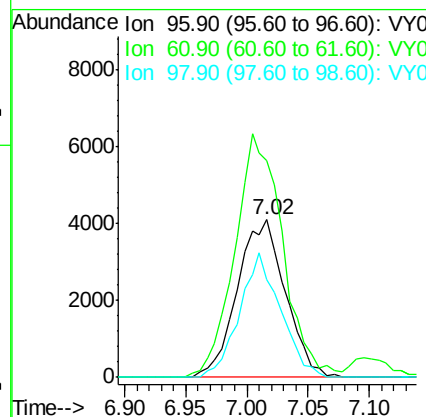
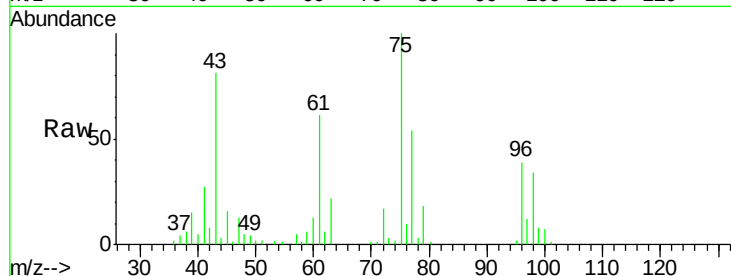
cis-1,2-Dichloroethene
Concen: 5.269 ug/l
RT: 7.01 min Scan# 865
Delta R.T. -0.01 min
Lab File: VY001842.D
Acq: 04 Mar 2020 10:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	149.5	0.0	288.2
98	67.8	0.0	129.0

Manual Integrations
APPROVED

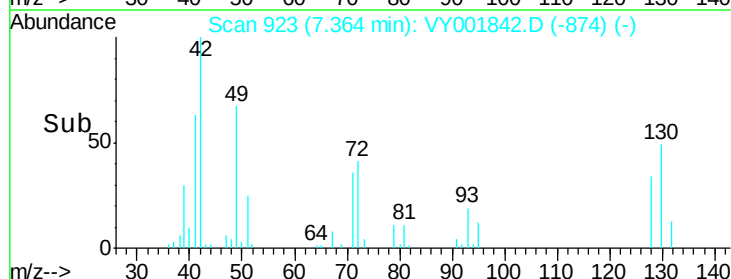
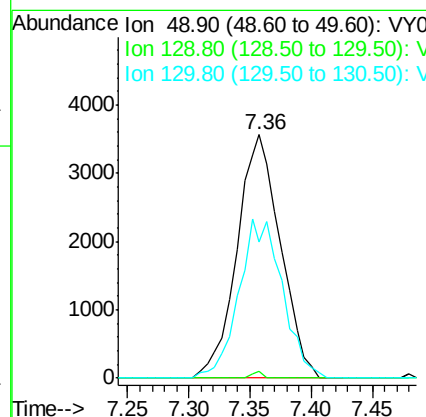
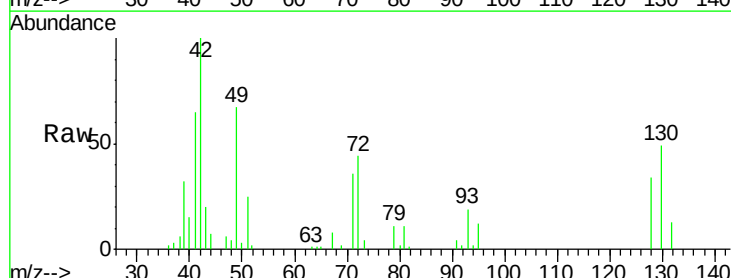
MMDadoda
3/5/2020 1:37:04 PM

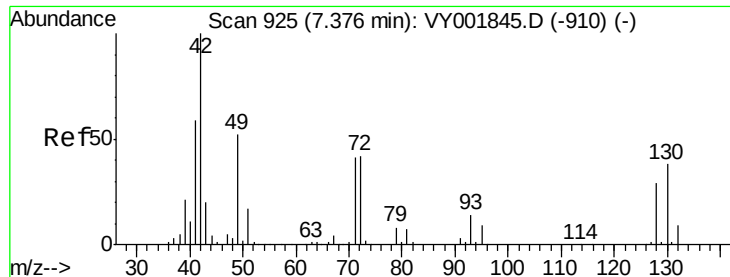


#28

Bromochloromethane
Concen: 5.226 ug/l
RT: 7.36 min Scan# 923
Delta R.T. 0.00 min
Lab File: VY001842.D
Acq: 04 Mar 2020 10:07

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.4	0.0	3.8
130	63.7	54.4	81.6





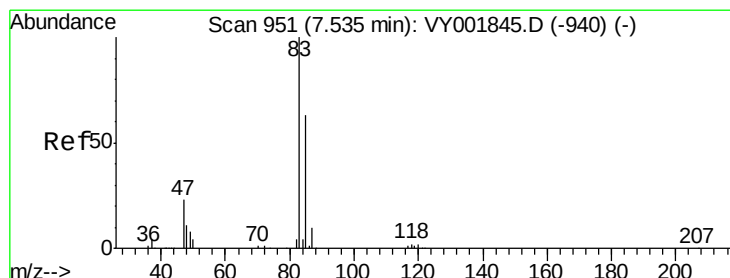
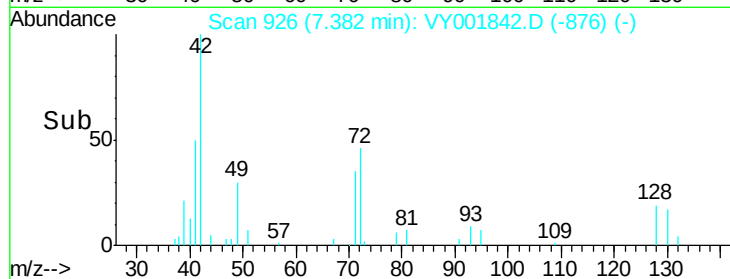
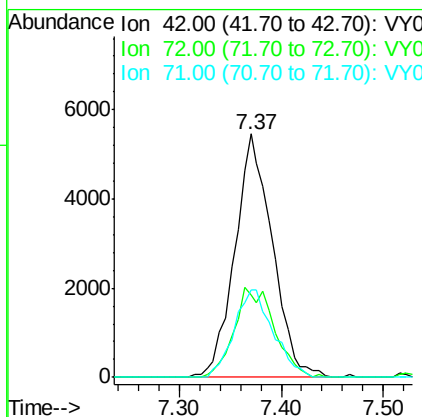
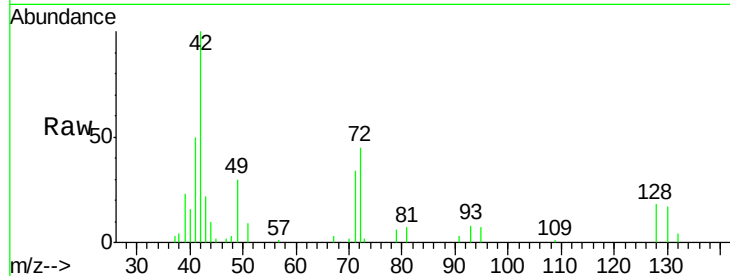
#29
Tetrahydrofuran
Concen: 27.700 ug/l
RT: 7.38 min Scan# 926
Delta R.T. 0.01 min
Lab File: VY001842.D
Acq: 04 Mar 2020 10:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.8	33.5	50.3
71	39.1	31.3	46.9

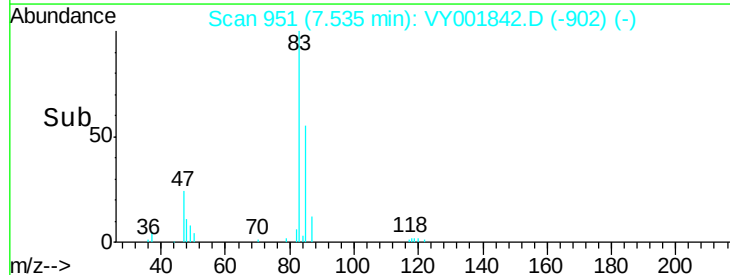
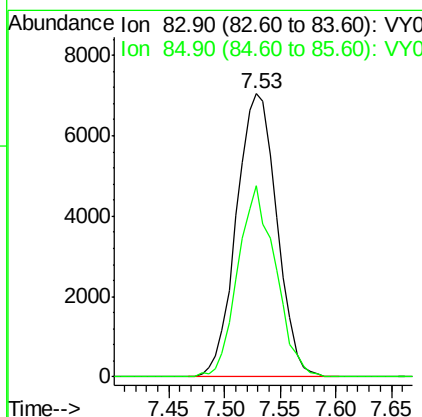
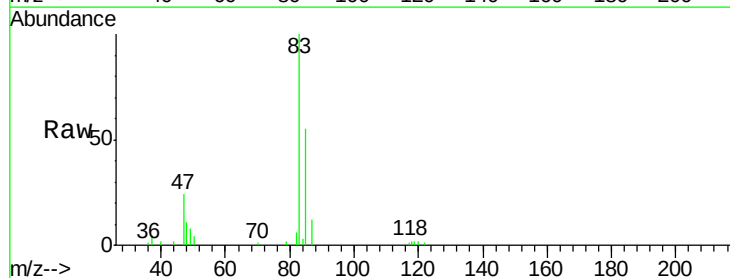
Manual Integrations
APPROVED

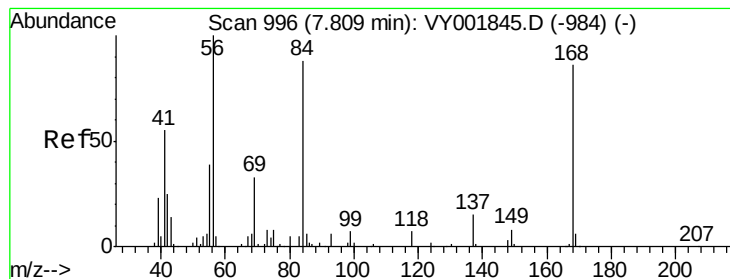
MMDadoda
3/5/2020 1:37:04 PM



#30
Chloroform
Concen: 5.311 ug/l
RT: 7.53 min Scan# 951
Delta R.T. 0.00 min
Lab File: VY001842.D
Acq: 04 Mar 2020 10:07

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.6	50.7	76.1





#31

Cyclohexane

Concen: 5.961 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.00 min

Lab File: VY001842.D

Acq: 04 Mar 2020 10:07

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 18663

Ion Ratio Lower Upper

56 100

69 48.4 26.7 40.1#

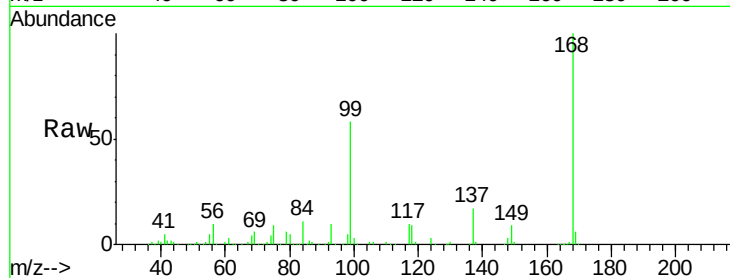
84 98.0 70.4 105.6

Manual Integrations

APPROVED

MMDadoda

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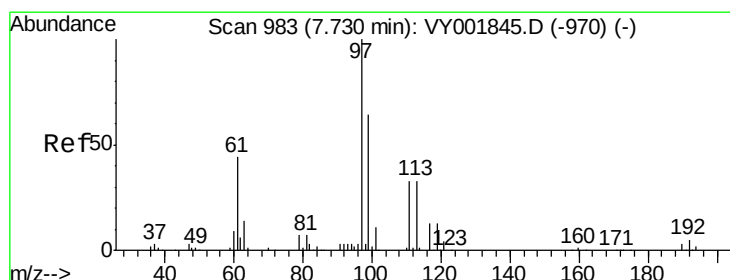
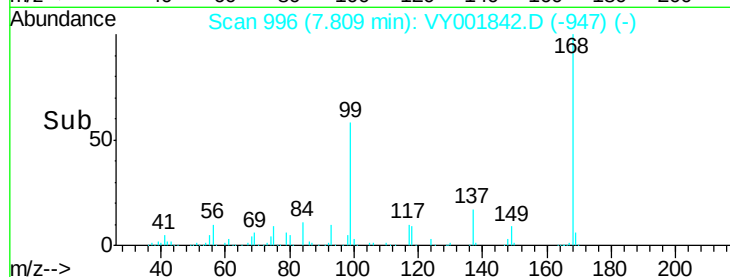
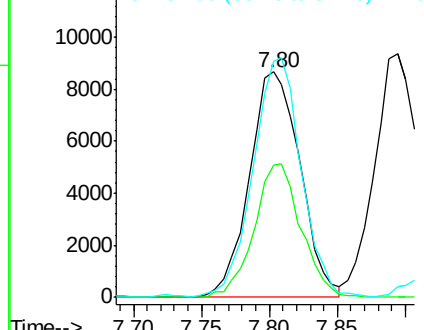


Abundance

Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0



#32

1,1,1-Trichloroethane

Concen: 5.096 ug/l

RT: 7.73 min Scan# 983

Delta R.T. 0.00 min

Lab File: VY001842.D

Acq: 04 Mar 2020 10:07

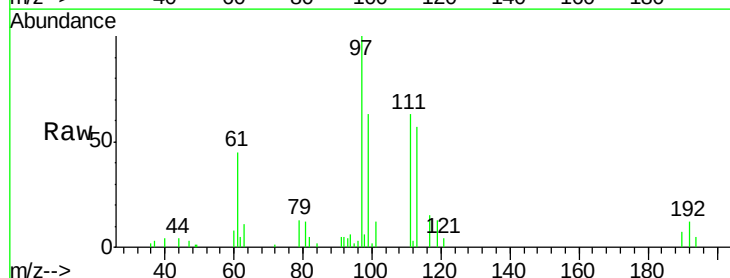
Tgt Ion: 97 Resp: 11858

Ion Ratio Lower Upper

97 100

99 65.3 52.0 78.0

61 46.1 35.0 52.4

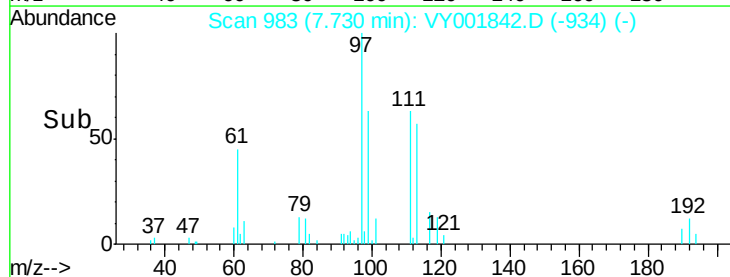
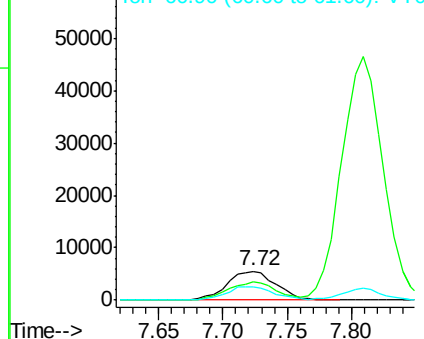


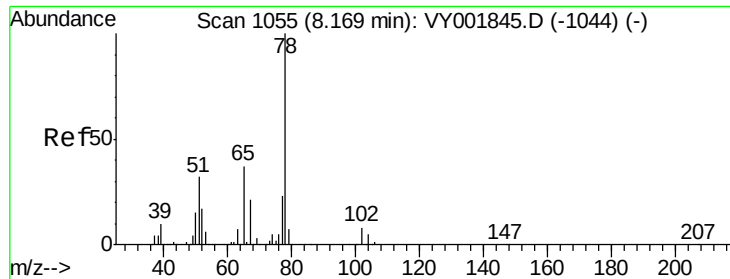
Abundance

Ion 96.90 (96.60 to 97.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

Ion 60.90 (60.60 to 61.60): VY0





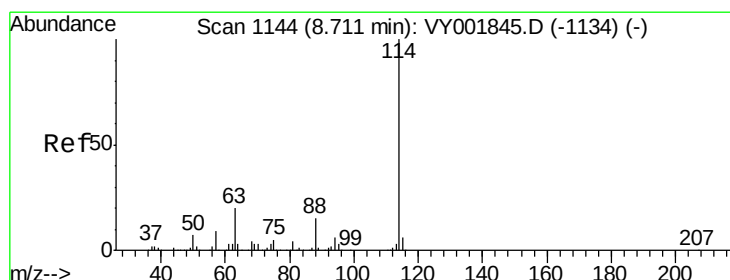
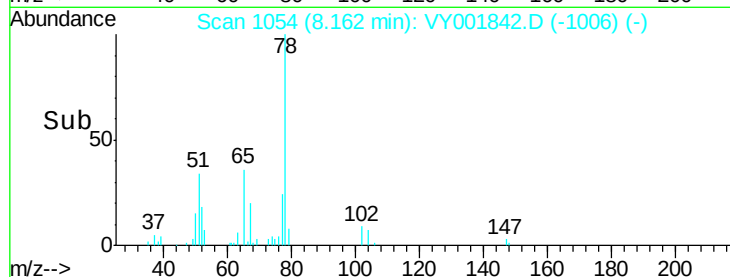
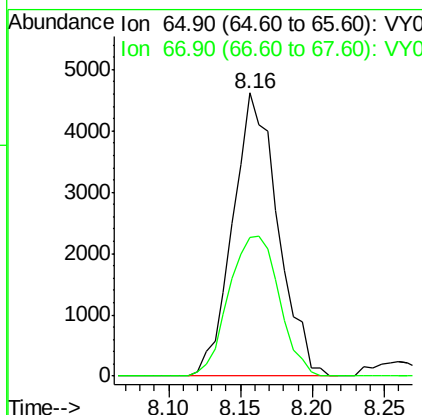
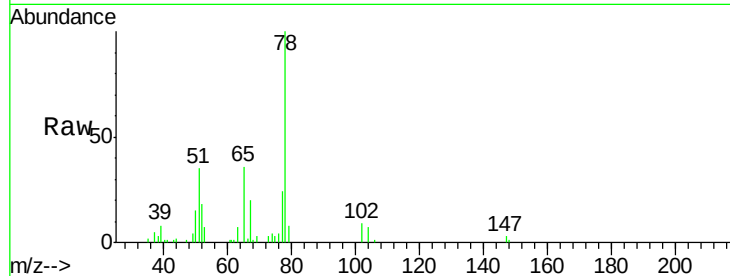
#33
 1,2-Dichloroethane-d4
 Concen: 5.313 ug/l
 RT: 8.16 min Scan# 1054
 Delta R.T. -0.01 min
 Lab File: VY001842.D
 Acq: 04 Mar 2020 10:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
65	100		
67	57.1	0.0	110.8

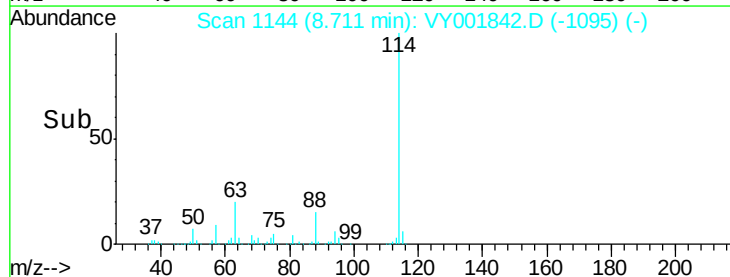
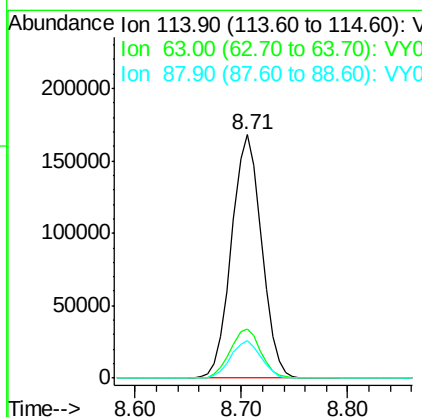
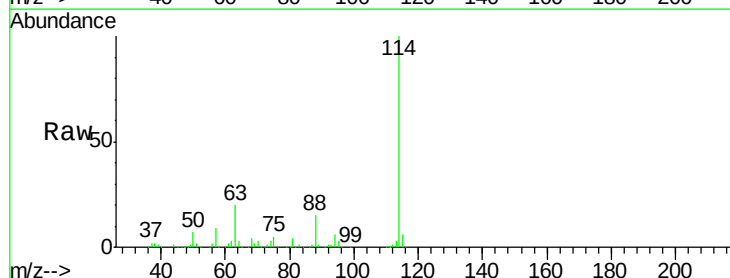
Manual Integrations
 APPROVED

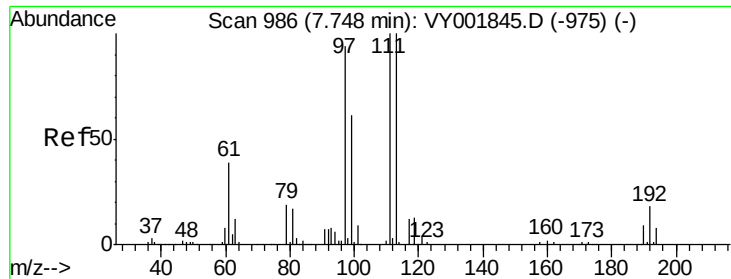
MMDadoda
 3/5/2020 1:37:04 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1144
 Delta R.T. 0.00 min
 Lab File: VY001842.D
 Acq: 04 Mar 2020 10:07

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	39.4
88	16.3	0.0	30.4





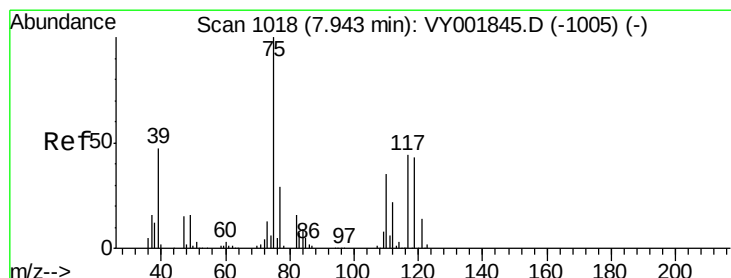
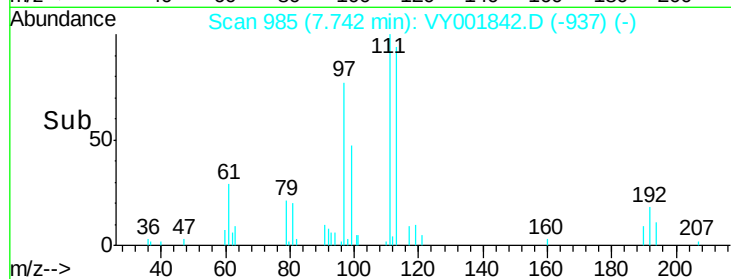
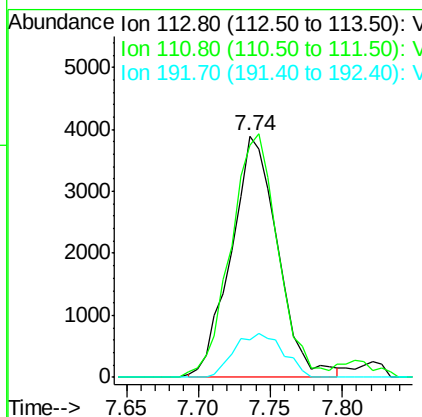
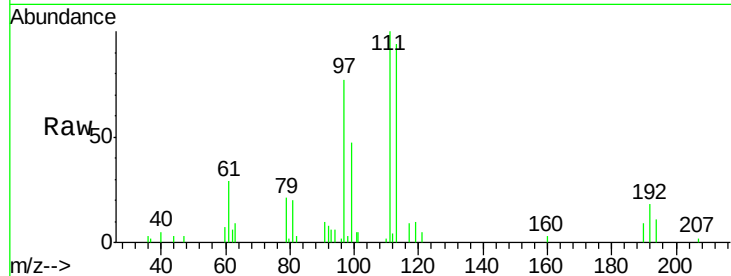
#35
 Dibromofluoromethane
 Concen: 4.995 ug/l
 RT: 7.74 min Scan# 985
 Delta R.T. -0.01 min
 Lab File: VY001842.D
 Acq: 04 Mar 2020 10:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
113	100		
111	105.9	81.8	122.8
192	17.9	14.2	21.2

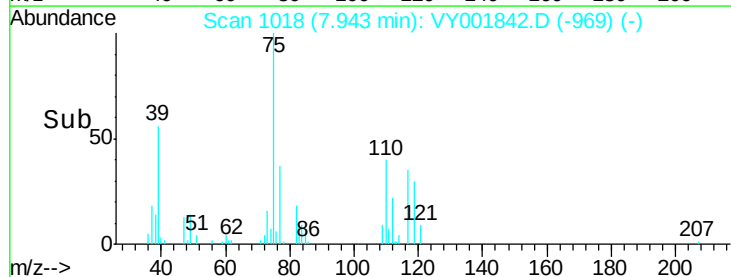
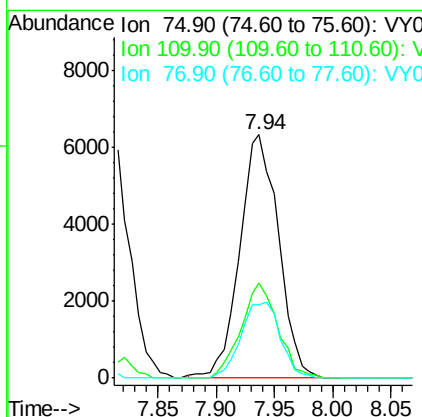
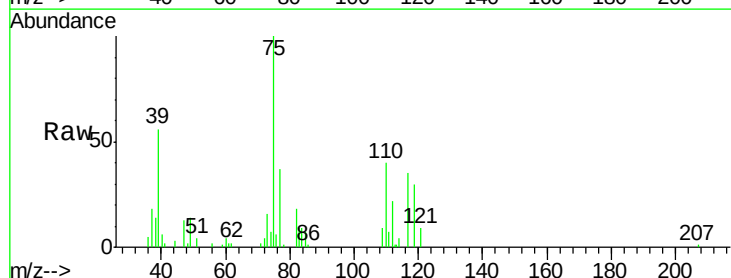
Manual Integrations
 APPROVED

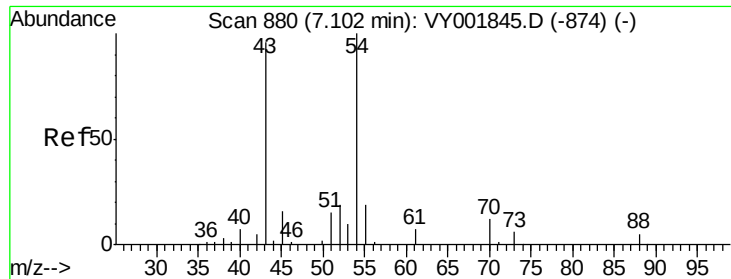
MMDadoda
 3/5/2020 1:37:04 PM



#36
 1,1-Dichloropropene
 Concen: 5.503 ug/l
 RT: 7.94 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VY001842.D
 Acq: 04 Mar 2020 10:07

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.6	17.4	52.2
77	30.6	24.2	36.2





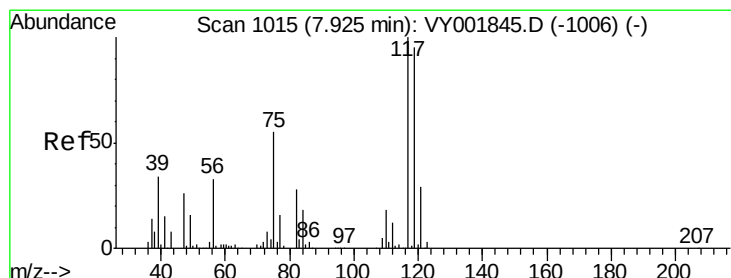
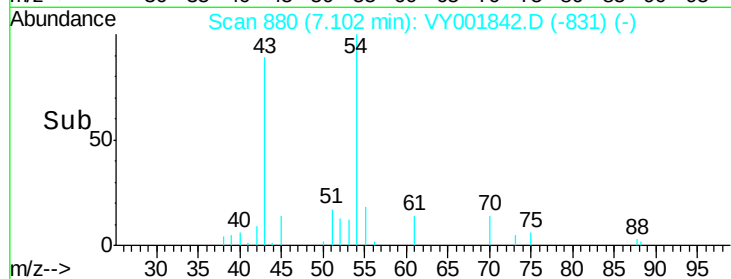
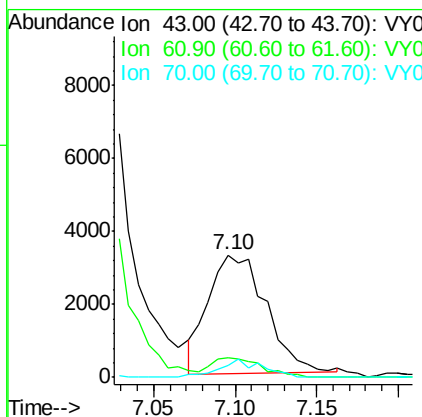
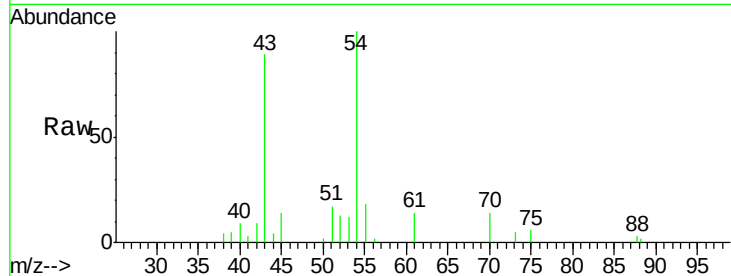
#37
Ethyl Acetate
Concen: 5.023 ug/l
RT: 7.10 min Scan# 880
Delta R.T. 0.00 min
Lab File: VY001842.D
Acq: 04 Mar 2020 10:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.1	16.7#
70	12.2	8.2	12.4

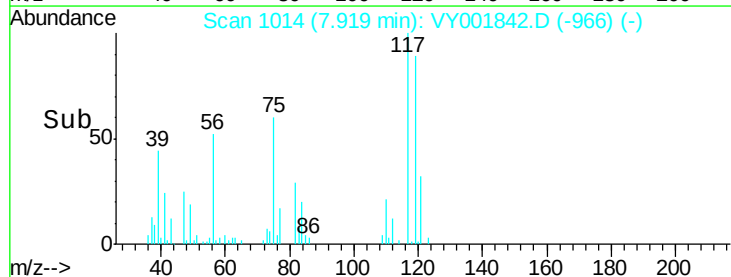
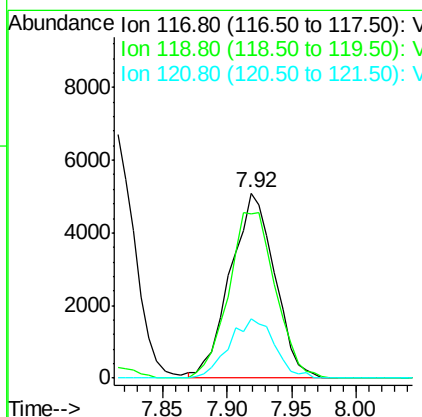
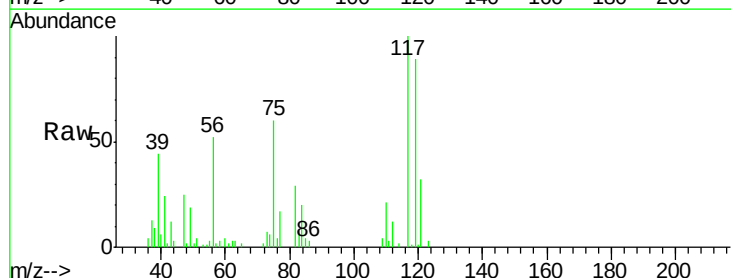
Manual Integrations
APPROVED

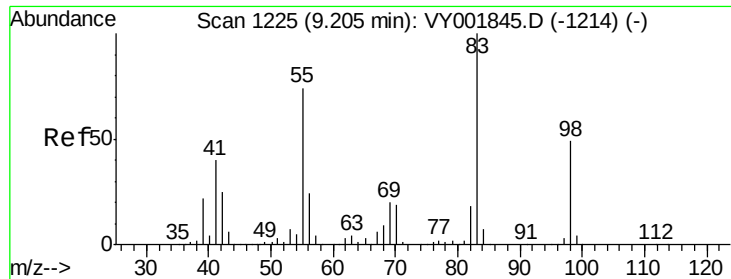
MMDadoda
3/5/2020 1:37:04 PM



#38
Carbon Tetrachloride
Concen: 5.394 ug/l
RT: 7.92 min Scan# 1014
Delta R.T. -0.01 min
Lab File: VY001842.D
Acq: 04 Mar 2020 10:07

Tgt Ion	Ratio	Lower	Upper
117	100		
119	90.9	76.3	114.5
121	29.1	23.5	35.3





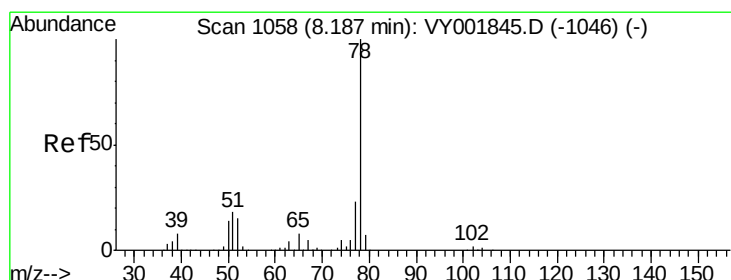
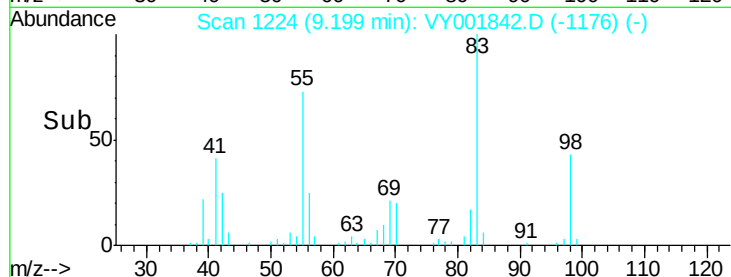
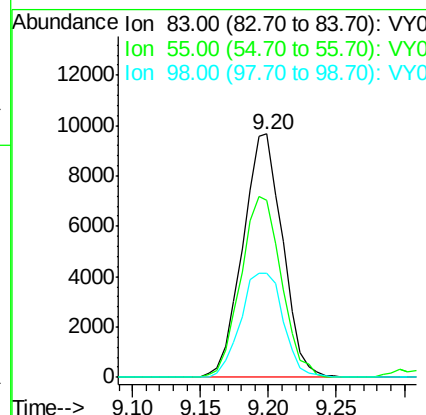
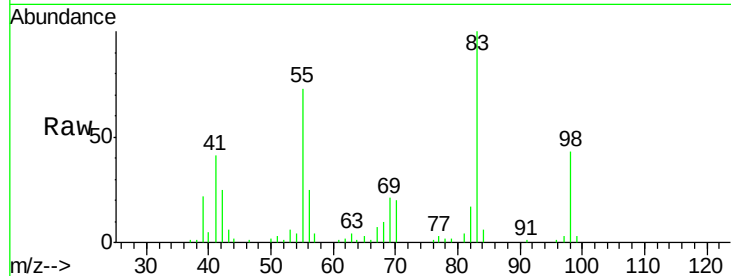
#39
Methylvlcyclohexane
Concen: 5.300 ug/l
RT: 9.20 min Scan# 1224
Delta R.T. -0.01 min
Lab File: VY001842.D
Acq: 04 Mar 2020 10:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.5	59.4	89.0
98	49.5	38.9	58.3

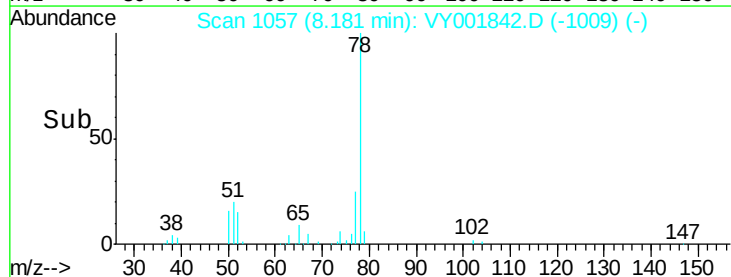
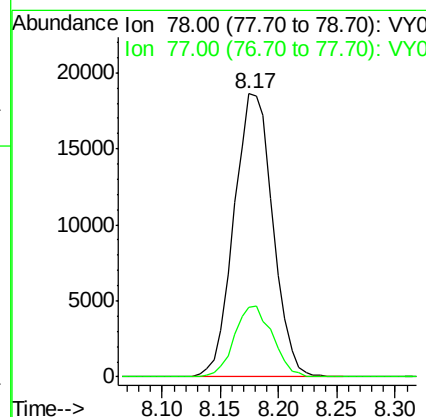
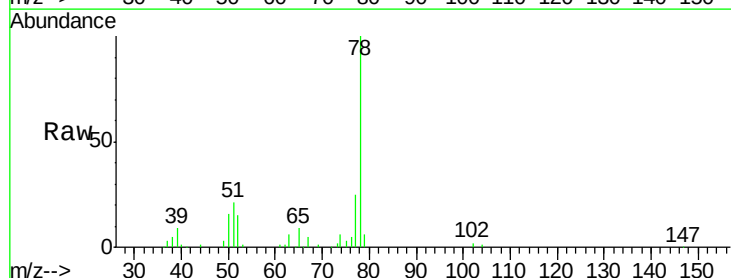
Manual Integrations
APPROVED

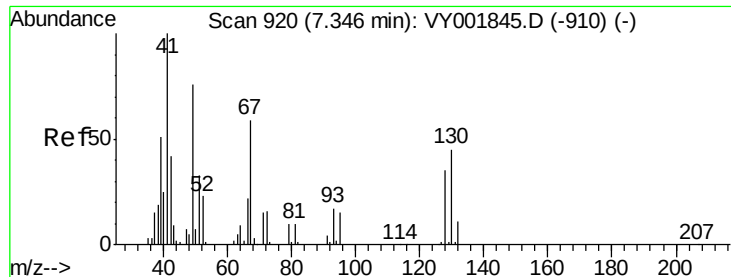
MMDadoda
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#40
Benzene
Concen: 5.391 ug/l
RT: 8.18 min Scan# 1057
Delta R.T. -0.01 min
Lab File: VY001842.D
Acq: 04 Mar 2020 10:07

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.7	18.7	28.1





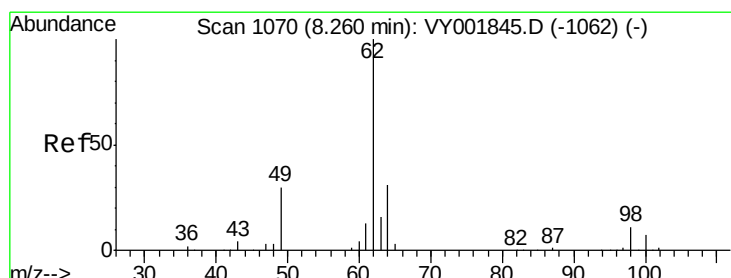
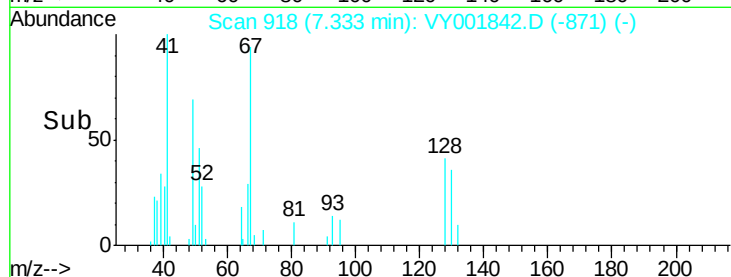
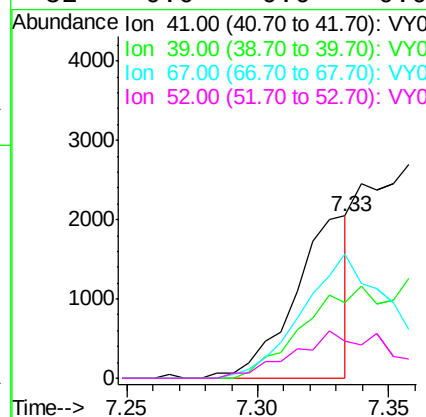
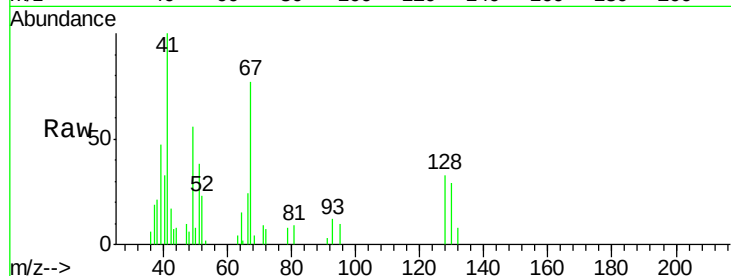
#41
Methacrylonitrile
Concen: 3.764 ug/l m
RT: 7.33 min Scan# 918
Delta R.T. -0.01 min
Lab File: VY001842.D
Acq: 04 Mar 2020 10:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion:	41	Resp:	3021
Ion	Ratio	Lower	Upper
41	100		
39	83.6	111.7	167.5#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

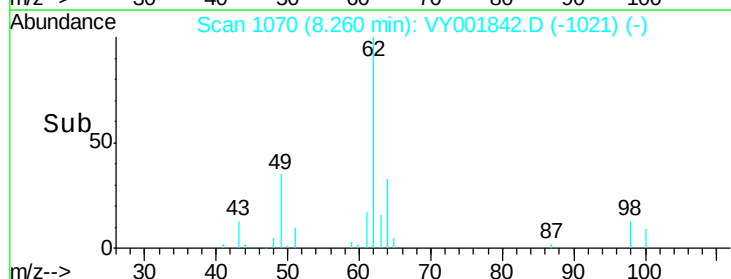
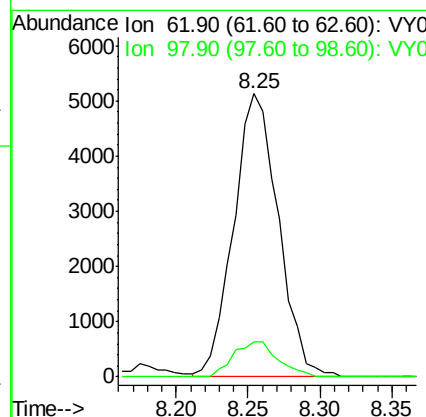
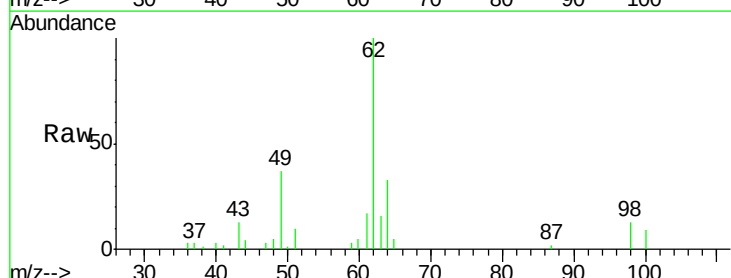
Manual Integrations
APPROVED

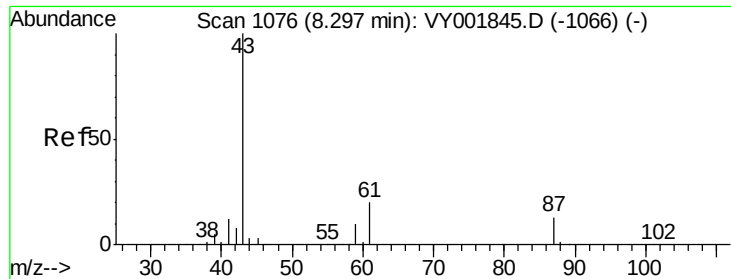
MMDadoda
3/5/2020 1:37:04 PM



#42
1,2-Dichloroethane
Concen: 5.345 ug/l
RT: 8.26 min Scan# 1070
Delta R.T. 0.00 min
Lab File: VY001842.D
Acq: 04 Mar 2020 10:07

Tgt Ion:	62	Resp:	9368
Ion	Ratio	Lower	Upper
62	100		
98	11.6	0.0	21.4





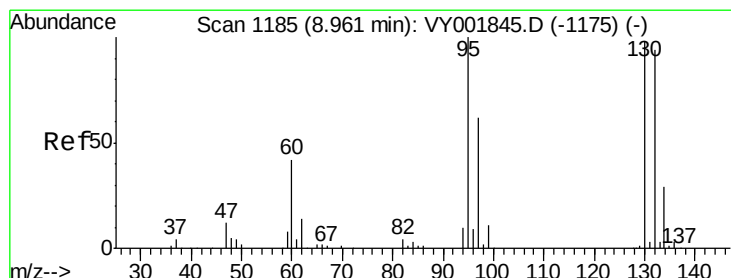
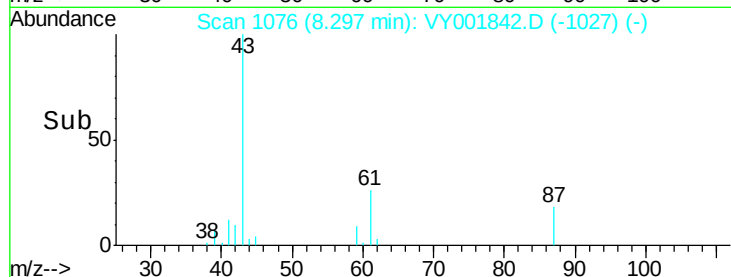
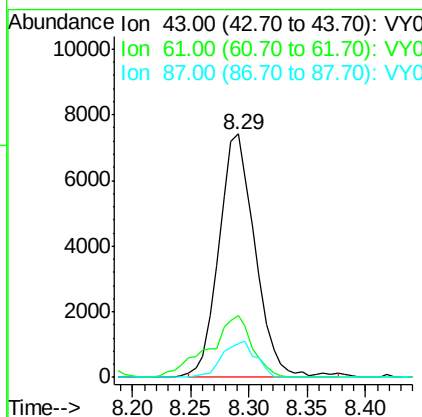
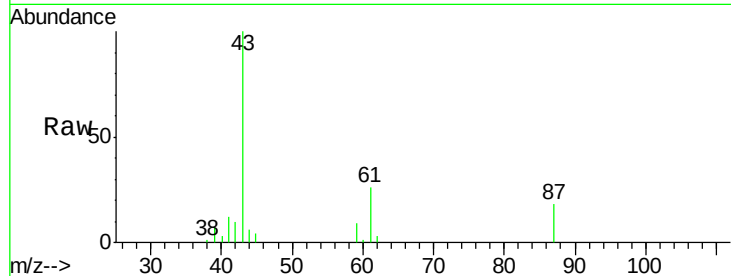
#43
Isopropyl Acetate
Concen: 5.271 ug/l
RT: 8.30 min Scan# 1076
Delta R.T. 0.00 min
Lab File: VY001842.D
Acq: 04 Mar 2020 10:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.7	23.8	35.6
87	13.7	10.9	16.3

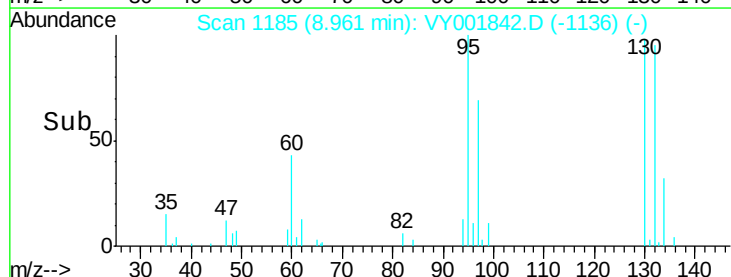
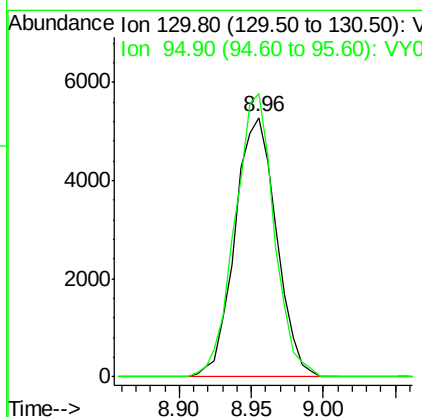
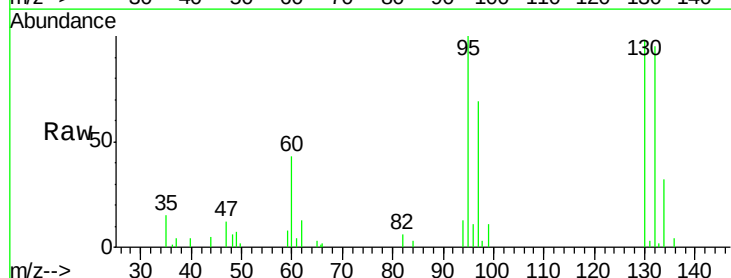
Manual Integrations
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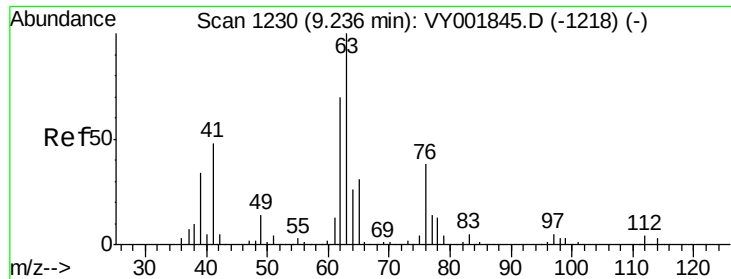
MMDadoda
3/5/2020 1:37:04 PM



#44
Trichloroethene
Concen: 5.349 ug/l
RT: 8.96 min Scan# 1185
Delta R.T. 0.00 min
Lab File: VY001842.D
Acq: 04 Mar 2020 10:07

Tgt Ion	Ratio	Lower	Upper
130	100		
95	106.0	0.0	204.6





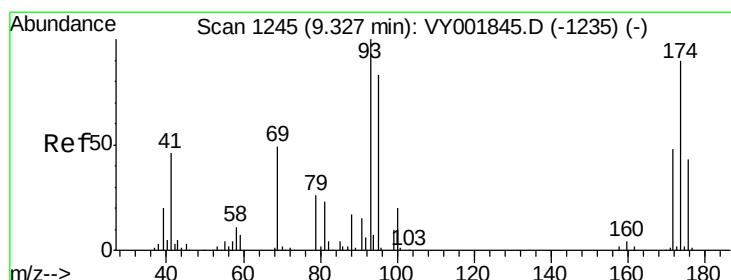
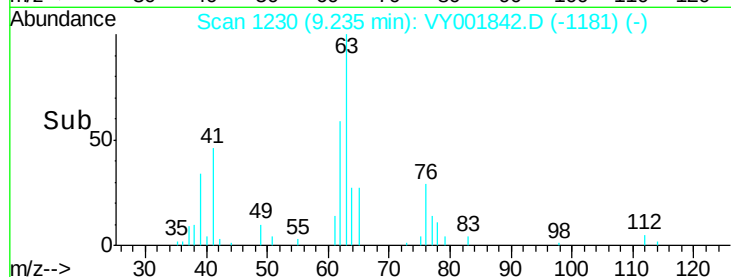
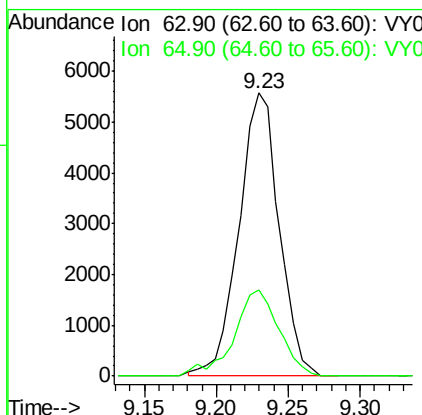
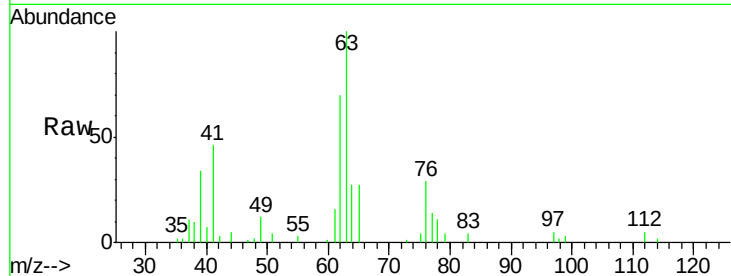
#45
 1,2-Dichloropropane
 Concen: 5.281 ug/l
 RT: 9.24 min Scan# 1230
 Delta R.T. 0.00 min
 Lab File: VY001842.D
 Acq: 04 Mar 2020 10:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Tot Ion: 63 Resp: 9050
 Ion Ratio Lower Upper
 63 100
 65 32.6 24.9 37.3

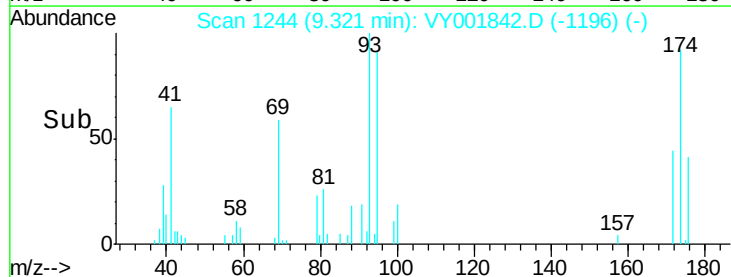
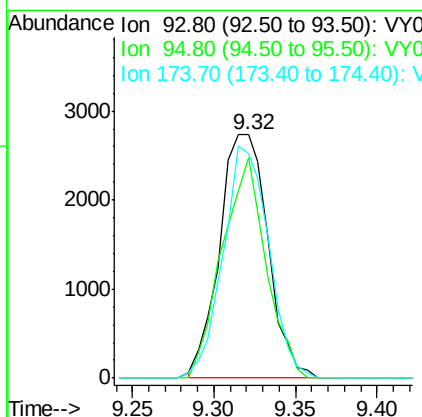
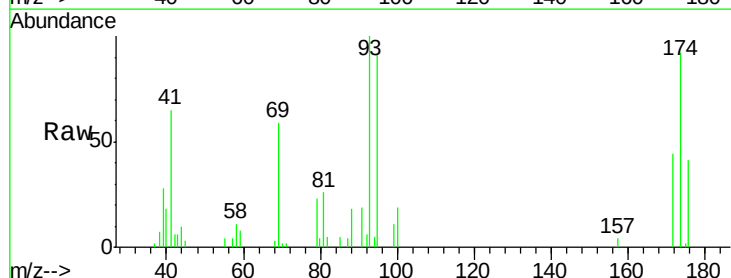
Manual Integrations
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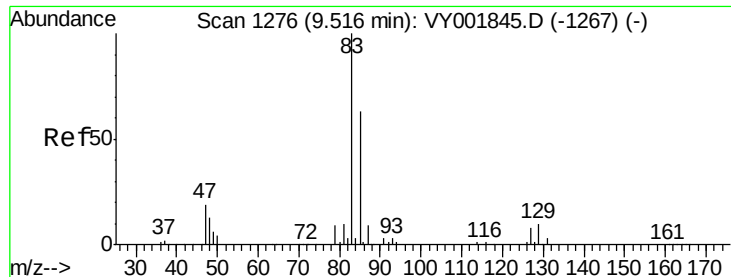
MMDadoda
 3/5/2020 1:37:04 PM



#46
 Dibromomethane
 Concen: 5.122 ug/l
 RT: 9.32 min Scan# 1244
 Delta R.T. -0.01 min
 Lab File: VY001842.D
 Acq: 04 Mar 2020 10:07

Tgt Ion: 93 Resp: 4548
 Ion Ratio Lower Upper
 93 100
 95 87.3 67.0 100.4
 174 100.2 71.8 107.8





#47

Bromodichloromethane

Concen: 5.068 ug/l

RT: 9.51 min Scan# 1275

Delta R.T. -0.01 min

Lab File: VY001842.D

Acq: 04 Mar 2020 10:07

Instrument :

MSVOA_Y

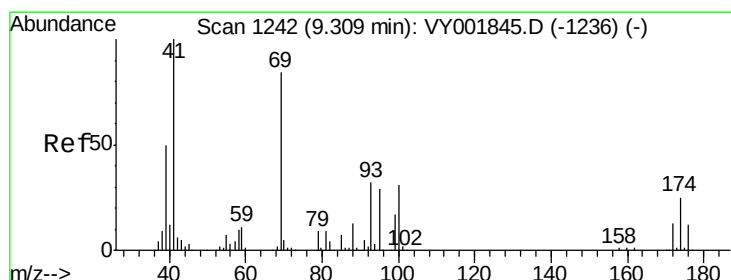
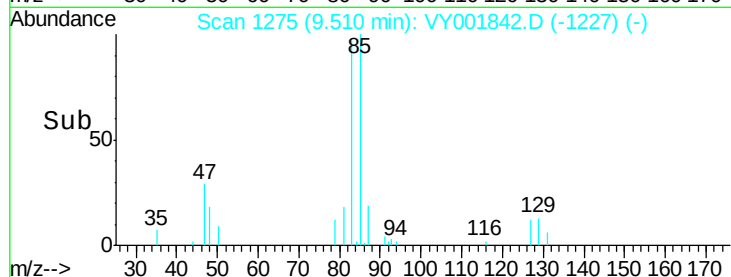
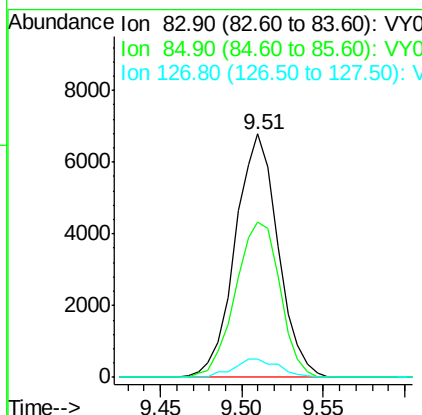
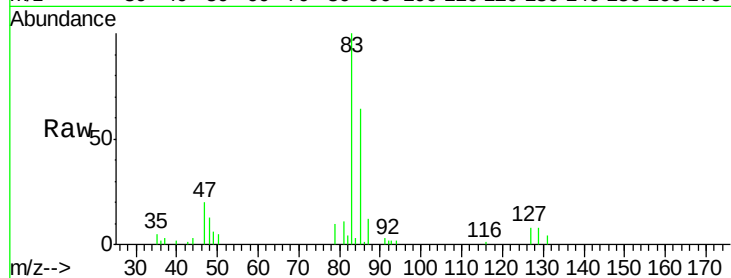
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	10401
Ion	Ratio	Lower	Upper
83	100		
85	67.2	50.6	76.0
127	9.1	6.2	9.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 4.883 ug/l

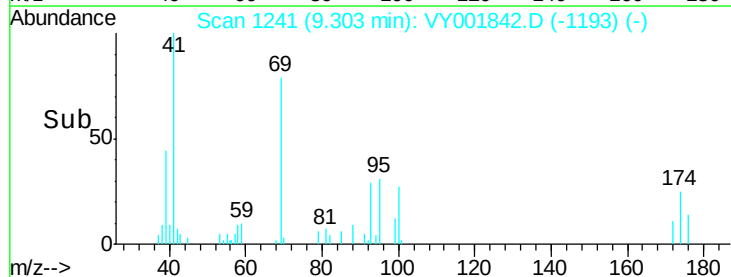
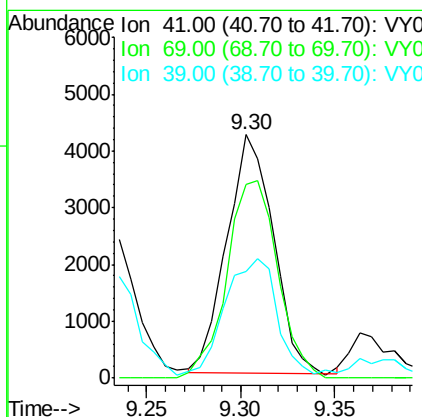
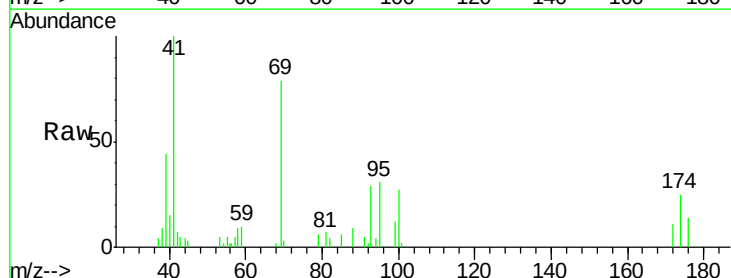
RT: 9.30 min Scan# 1241

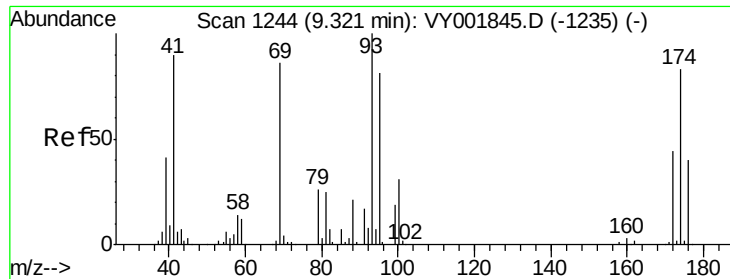
Delta R.T. -0.01 min

Lab File: VY001842.D

Acq: 04 Mar 2020 10:07

Tgt Ion:	41	Resp:	5600
Ion	Ratio	Lower	Upper
41	100		
69	90.7	69.0	103.6
39	62.3	39.1	58.7#





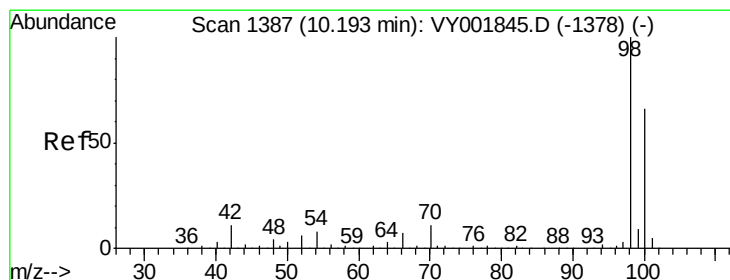
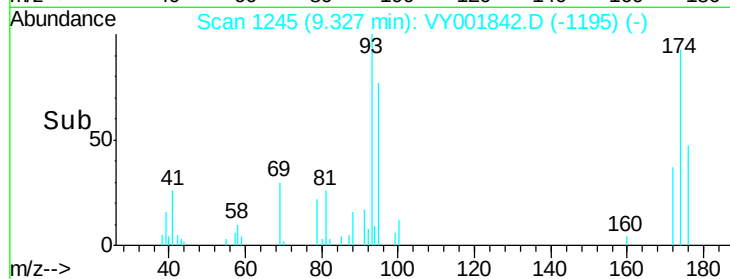
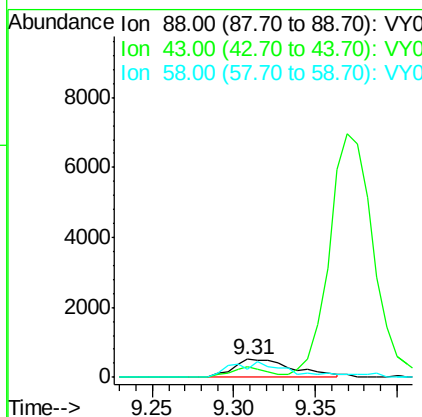
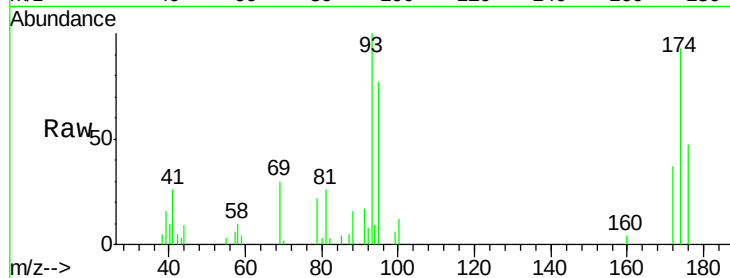
#49
 1,4-Dioxane
 Concen: 116.588 ug/l
 RT: 9.33 min Scan# 1245
 Delta R.T. 0.01 min
 Lab File: VY001842.D
 Acq: 04 Mar 2020 10:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	43.7	25.0	37.6#
58	62.3	58.9	88.3

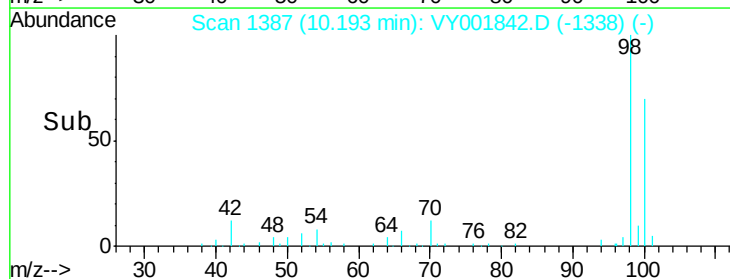
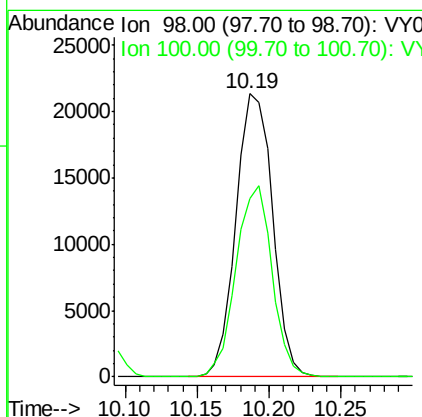
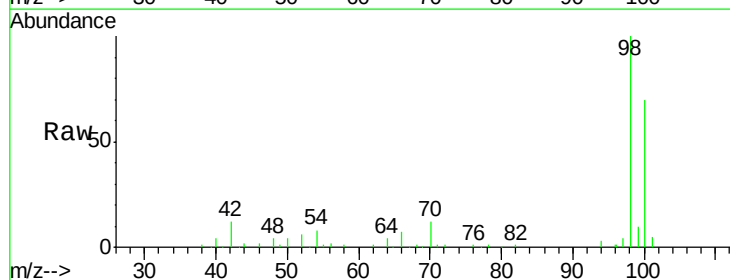
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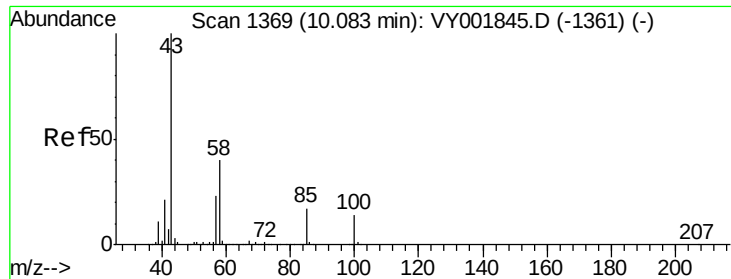
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#50
 Toluene-d8
 Concen: 5.085 ug/l
 RT: 10.19 min Scan# 1387
 Delta R.T. 0.00 min
 Lab File: VY001842.D
 Acq: 04 Mar 2020 10:07

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.9	53.0	79.4





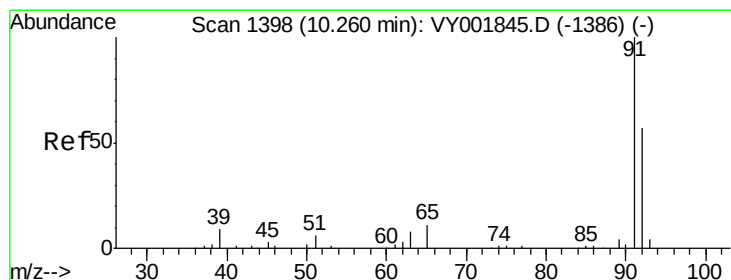
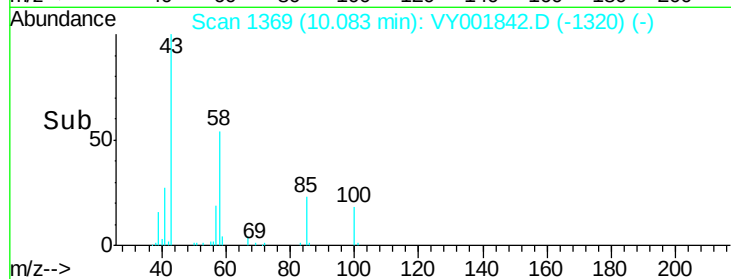
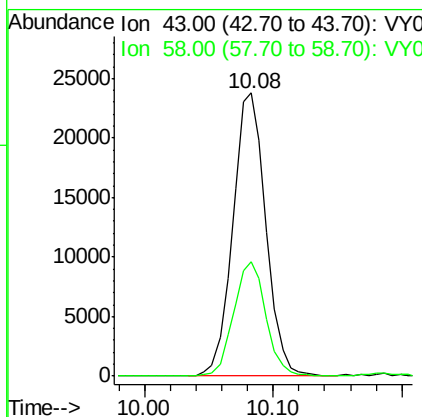
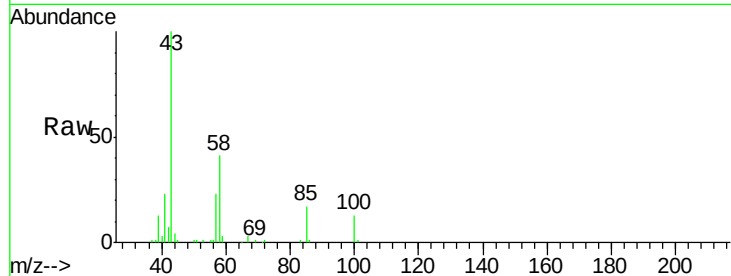
#51
4-Methyl-2-Pentanone
Concen: 27.078 ug/l
RT: 10.08 min Scan# 1369
Delta R.T. 0.00 min
Lab File: VY001842.D
Acq: 04 Mar 2020 10:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 35309
Ion Ratio Lower Upper
43 100
58 38.1 32.0 48.0

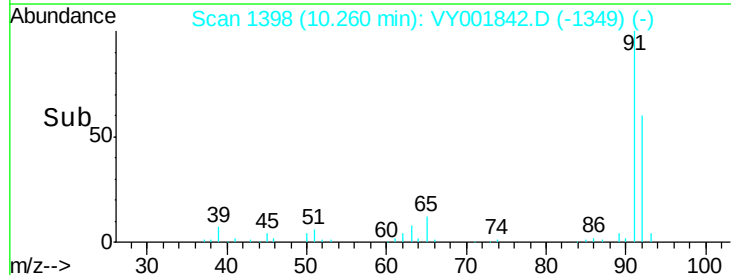
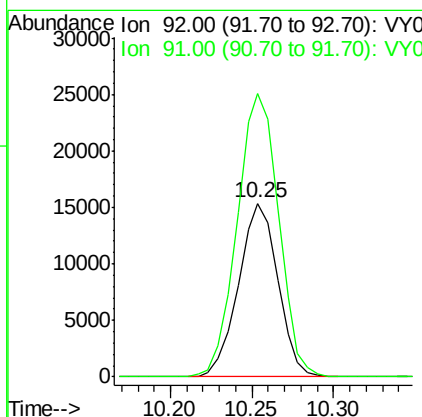
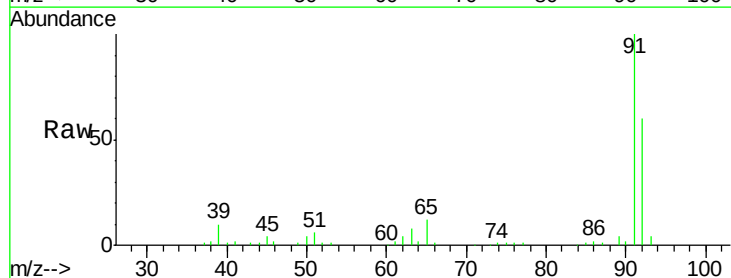
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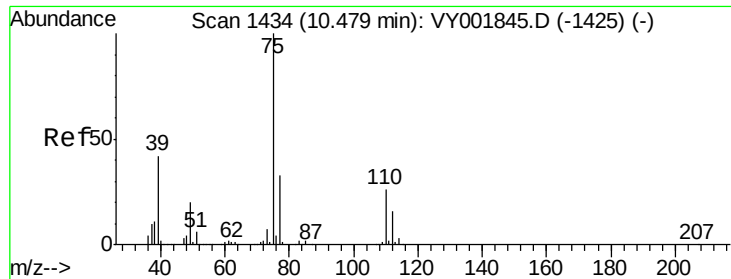
MMDadoda
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#52
Toluene
Concen: 5.376 ug/l
RT: 10.26 min Scan# 1398
Delta R.T. 0.00 min
Lab File: VY001842.D
Acq: 04 Mar 2020 10:07

Tgt Ion: 92 Resp: 22137
Ion Ratio Lower Upper
92 100
91 168.4 138.6 208.0





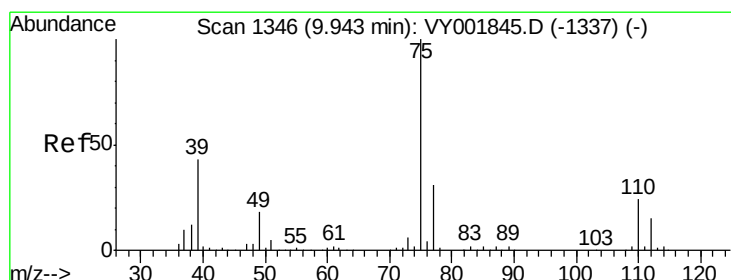
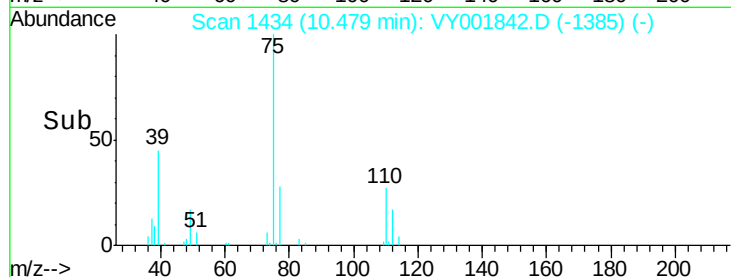
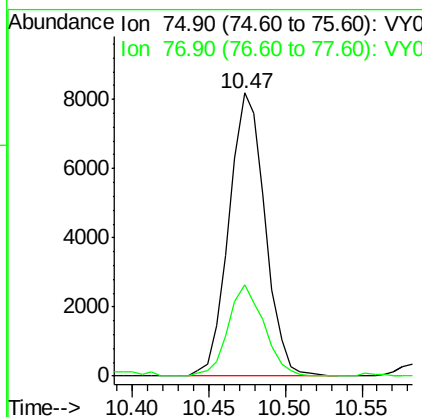
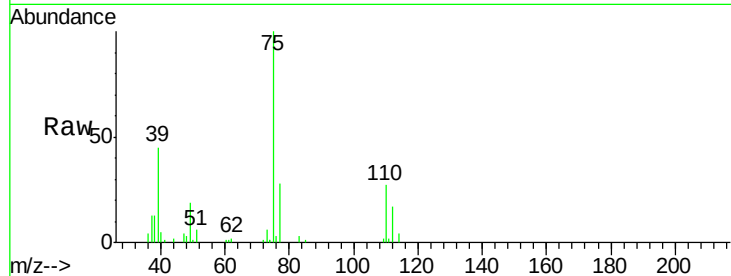
#53
t-1,3-Dichloropropene
Concen: 4.982 ug/l
RT: 10.48 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VY001842.D
Acq: 04 Mar 2020 10:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion: 75 Resp: 11167
Ion Ratio Lower Upper
75 100
77 34.5 26.3 39.5

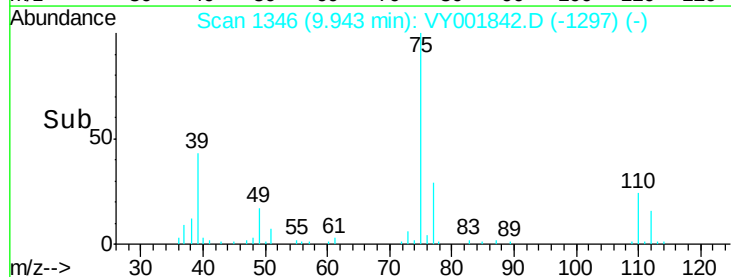
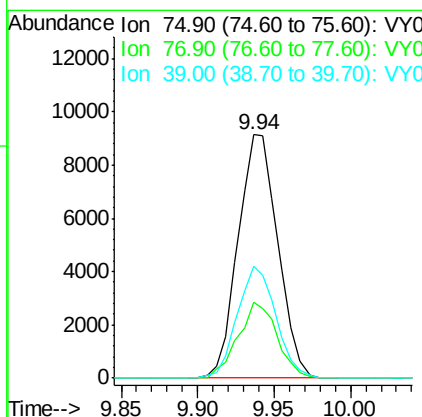
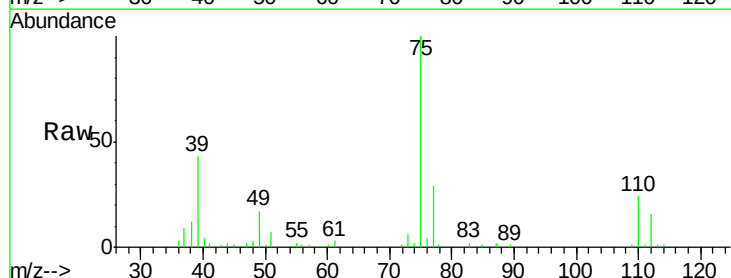
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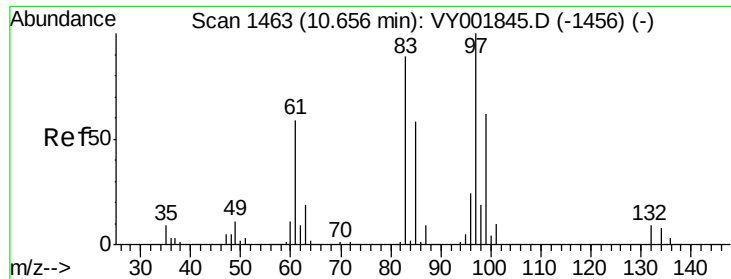
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 5.079 ug/l
RT: 9.94 min Scan# 1346
Delta R.T. 0.00 min
Lab File: VY001842.D
Acq: 04 Mar 2020 10:07

Tgt Ion: 75 Resp: 13570
Ion Ratio Lower Upper
75 100
77 28.2 25.1 37.7
39 43.7 34.7 52.1





#55

1,1,2-Trichloroethane

Concen: 5.246 ug/l

RT: 10.66 min Scan# 1463

Delta R.T. 0.00 min

Lab File: VY001842.D

Acq: 04 Mar 2020 10:07

Instrument :

MSVOA_Y

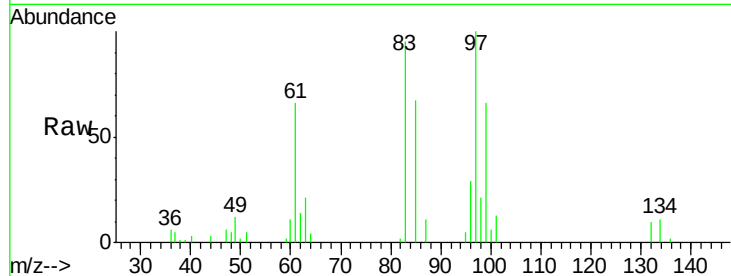
ClientSampleId :

VSTDIC005

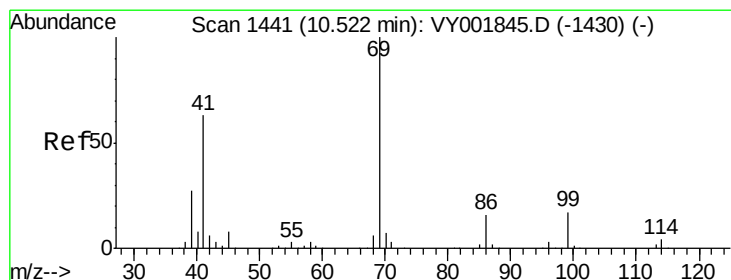
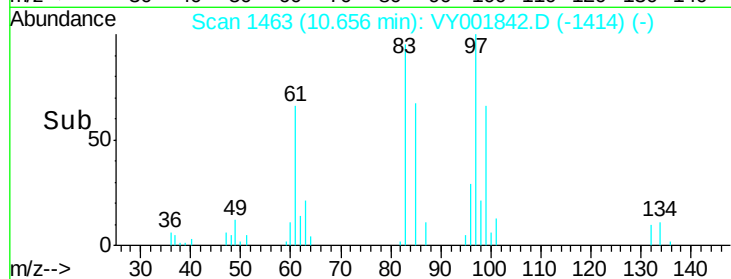
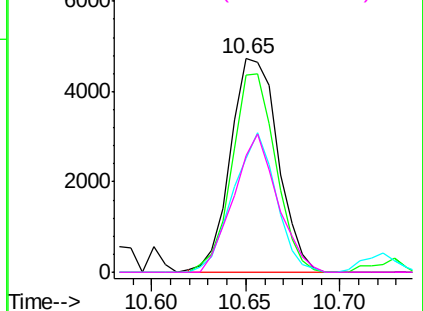
Tot Ion:	97	Resp:	6797
Ion	Ratio	Lower	Upper
97	100		
83	101.0	71.6	107.4
85	60.3	46.6	69.8
99	66.4	49.8	74.6

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Abundance Ion 96.90 (96.60 to 97.60): VY0
Ion 82.90 (82.60 to 83.60): VY0
Ion 84.90 (84.60 to 85.60): VY0
Ion 98.90 (98.60 to 99.60): VY0



#56

Ethyl methacrylate

Concen: 5.091 ug/l

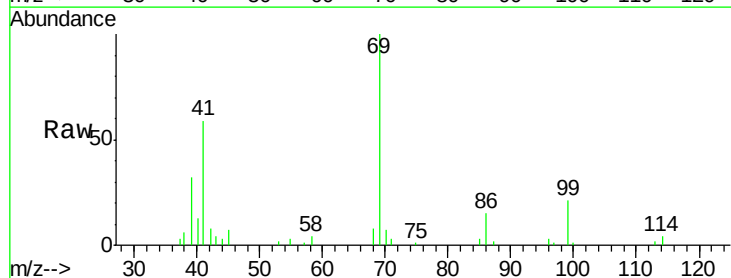
RT: 10.52 min Scan# 1441

Delta R.T. 0.00 min

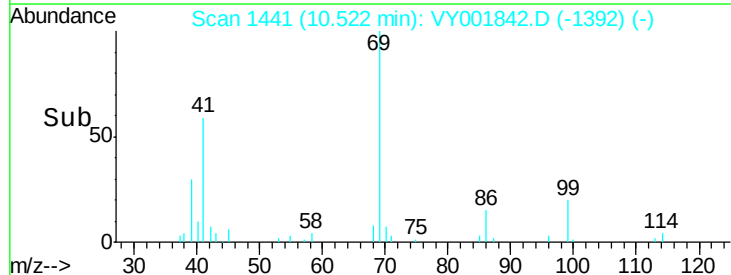
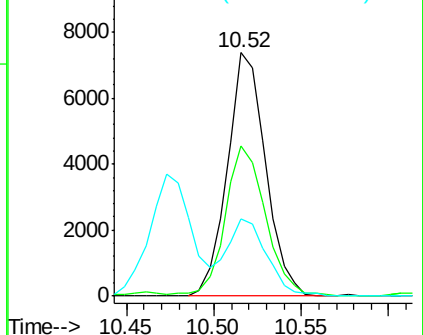
Lab File: VY001842.D

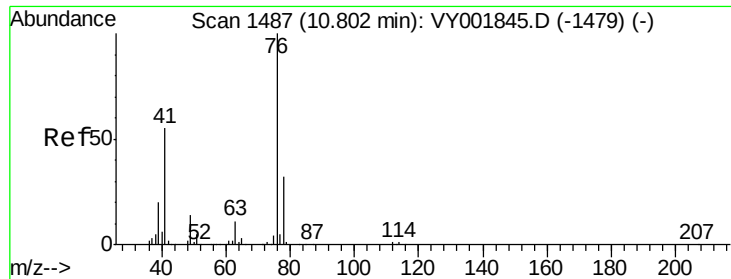
Acq: 04 Mar 2020 10:07

Tgt Ion:	69	Resp:	9612
Ion	Ratio	Lower	Upper
69	100		
41	65.8	49.9	74.9
39	30.7	23.0	34.6



Abundance Ion 69.00 (68.70 to 69.70): VY0
Ion 41.00 (40.70 to 41.70): VY0
Ion 39.00 (38.70 to 39.70): VY0





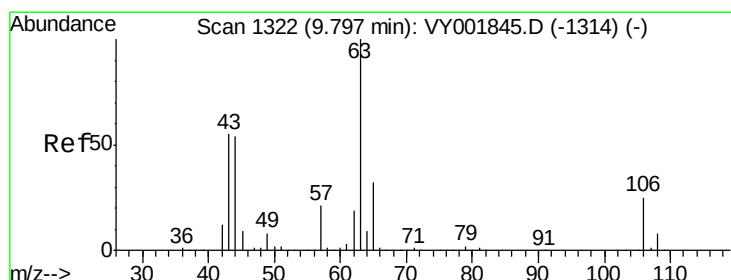
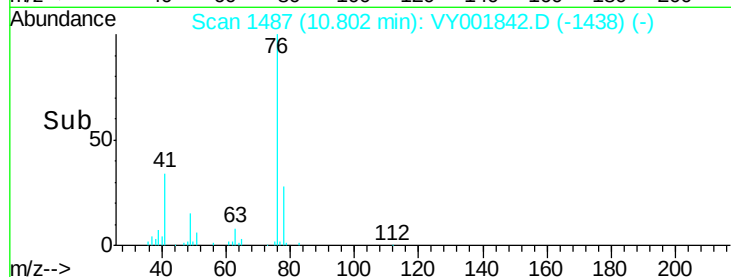
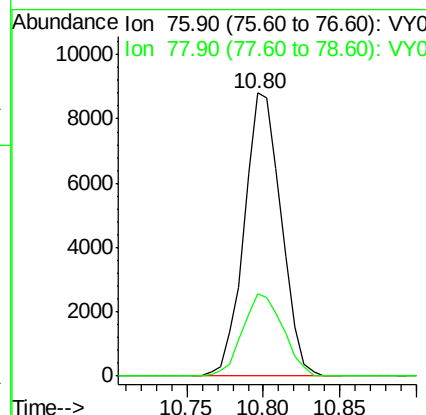
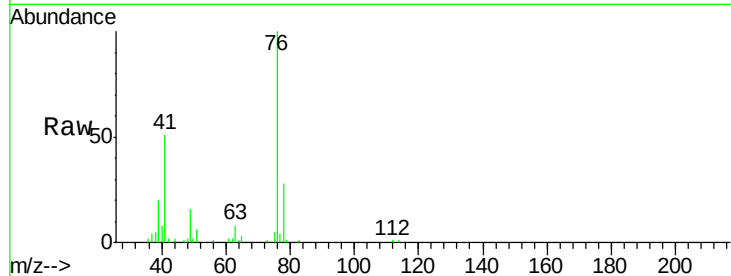
#57
 1,3-Dichloropropane
 Concen: 5.492 ug/l
 RT: 10.80 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VY001842.D
 Acq: 04 Mar 2020 10:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.8	38.6

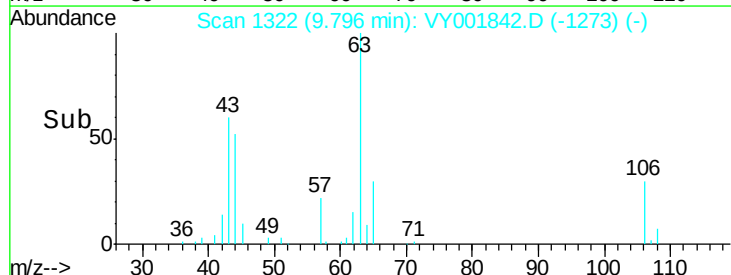
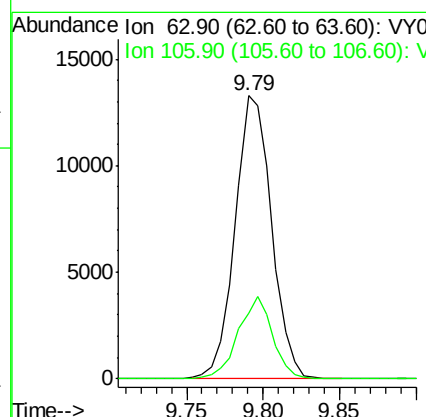
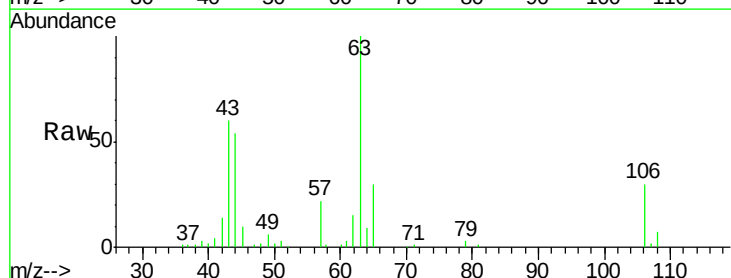
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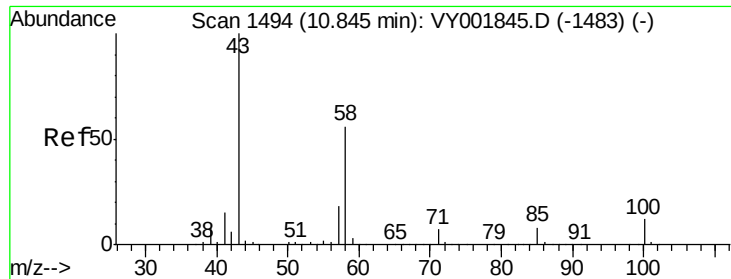
MMDadoda
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#58
 2-Chloroethyl Vinyl ether
 Concen: 21.355 ug/l
 RT: 9.80 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VY001842.D
 Acq: 04 Mar 2020 10:07

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.6	21.3	31.9





#59

2-Hexanone

Concen: 27.049 ug/l

RT: 10.85 min Scan# 1494

Delta R.T. 0.00 min

Lab File: VY001842.D

Acq: 04 Mar 2020 10:07

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 25079

Ion Ratio Lower Upper

43 100

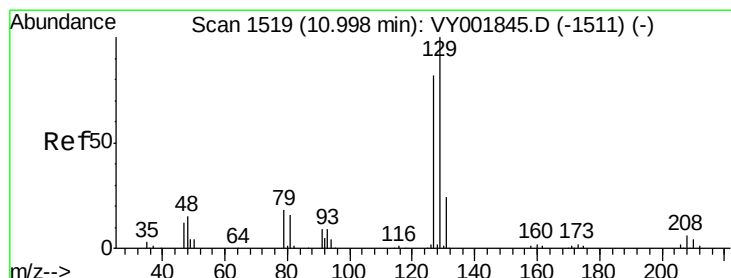
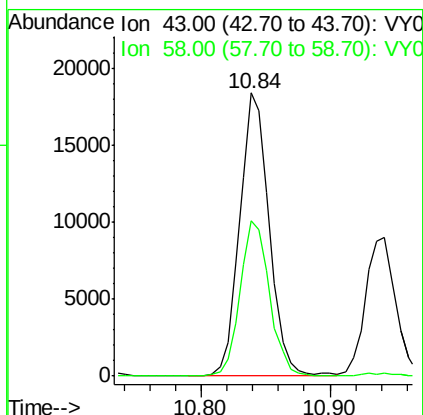
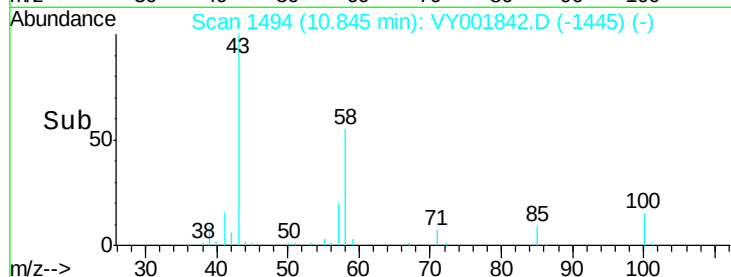
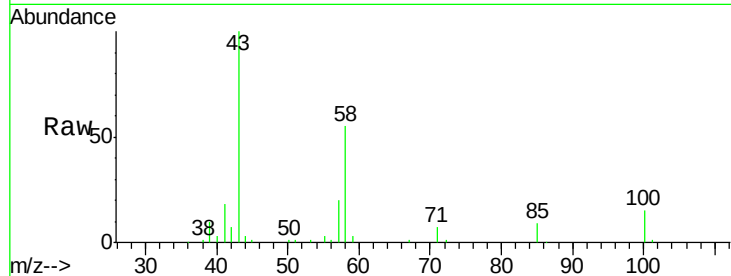
58 54.6 28.1 84.3

Manual Integrations

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#60

Dibromochloromethane

Concen: 5.063 ug/l

RT: 11.00 min Scan# 1519

Delta R.T. 0.00 min

Lab File: VY001842.D

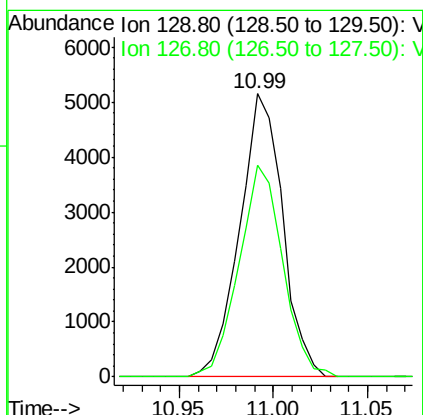
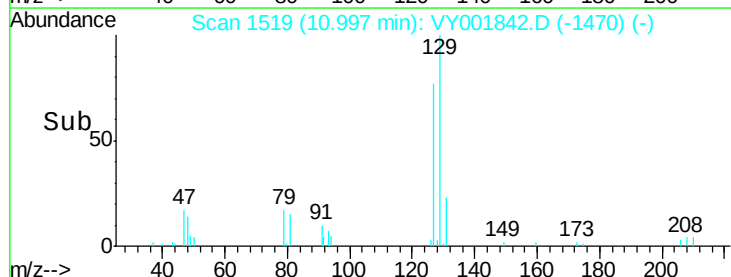
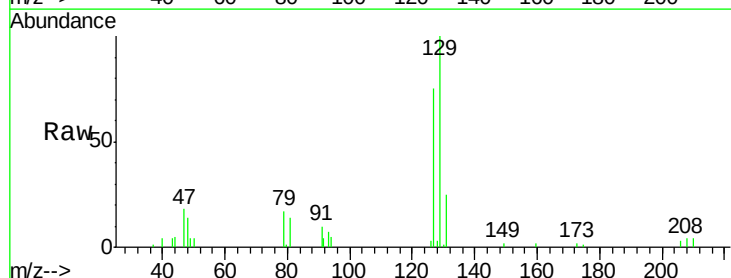
Acq: 04 Mar 2020 10:07

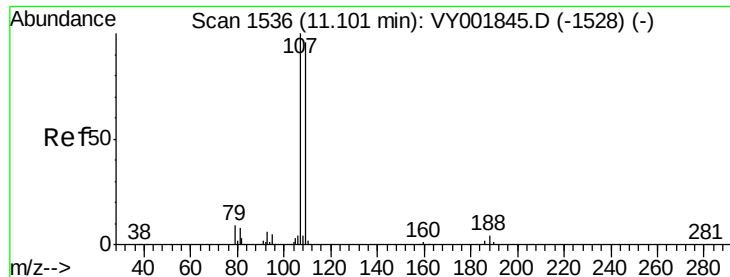
Tgt Ion:129 Resp: 6894

Ion Ratio Lower Upper

129 100

127 76.1 39.0 117.0





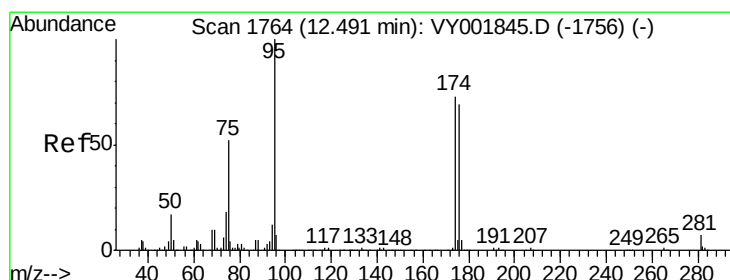
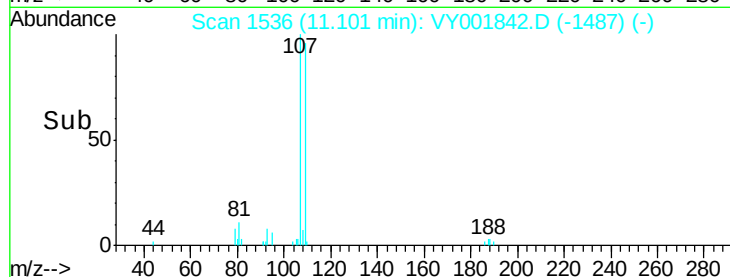
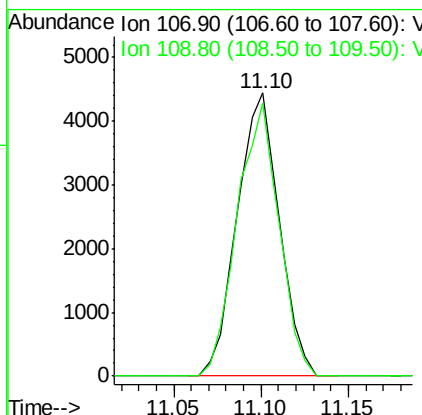
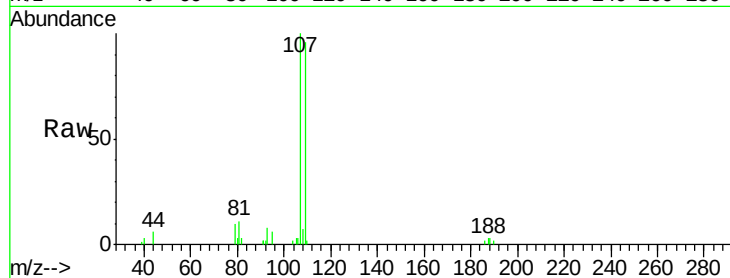
#61
 1,2-Dibromoethane
 Concen: 5.472 ug/l
 RT: 11.10 min Scan# 1536
 Delta R.T. 0.00 min
 Lab File: VY001842.D
 Acq: 04 Mar 2020 10:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Tot Ion: 107 Resp: 6626
 Ion Ratio Lower Upper
 107 100
 109 93.7 75.4 113.0

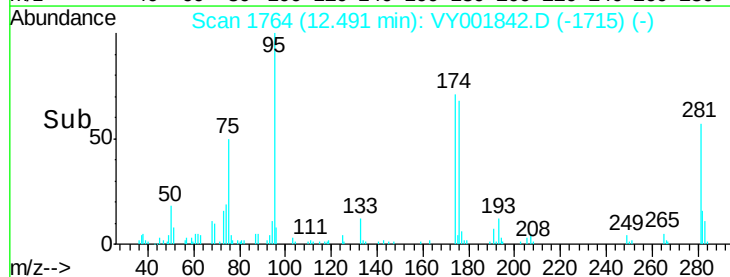
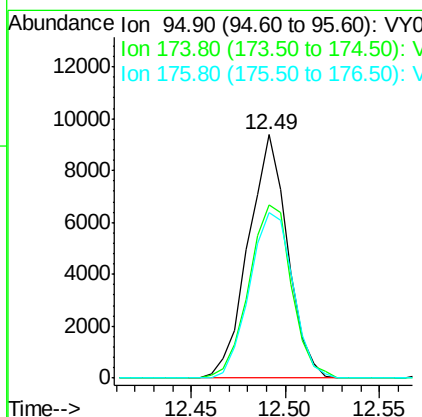
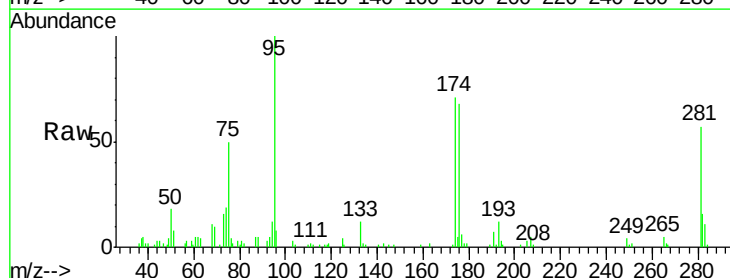
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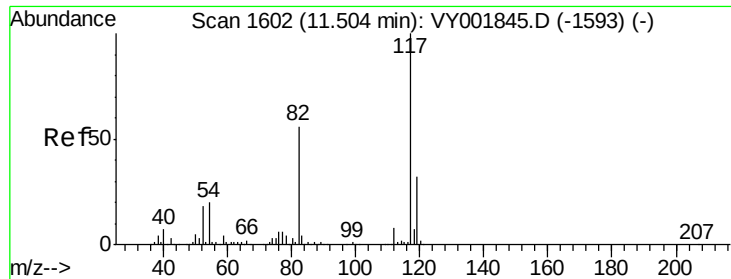
MMDadoda
 3/5/2020 1:37:04 PM



#62
 4-Bromofluorobenzene
 Concen: 5.393 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. 0.00 min
 Lab File: VY001842.D
 Acq: 04 Mar 2020 10:07

Tgt Ion: 95 Resp: 10471
 Ion Ratio Lower Upper
 95 100
 174 69.0 0.0 145.0
 176 68.6 0.0 137.4





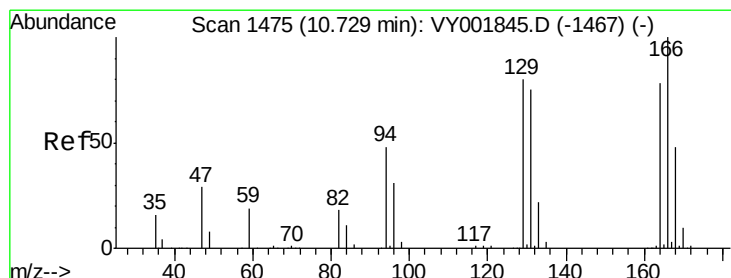
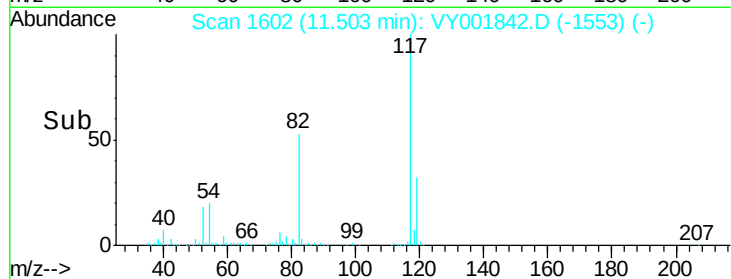
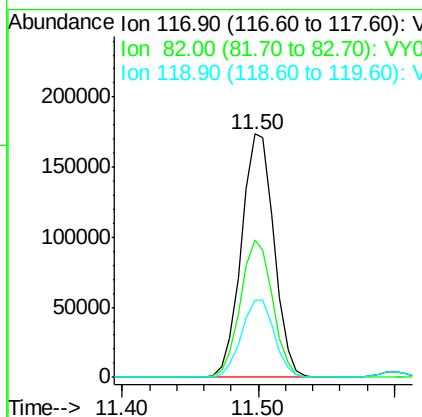
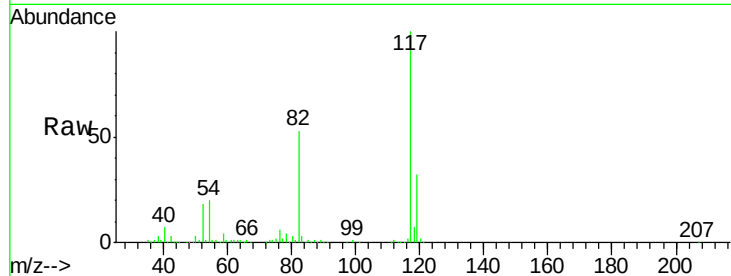
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.00 min
Lab File: VY001842.D
Acq: 04 Mar 2020 10:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
117	100	218335		
82	54.4		44.5	66.7
119	30.9		25.7	38.5

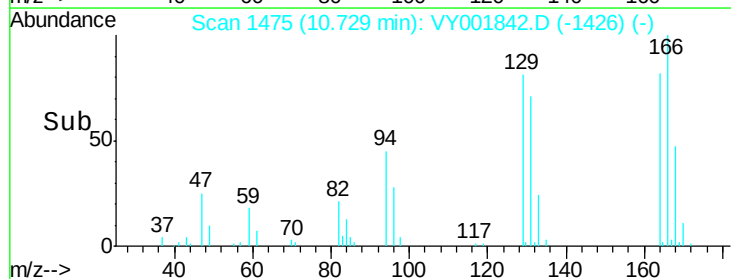
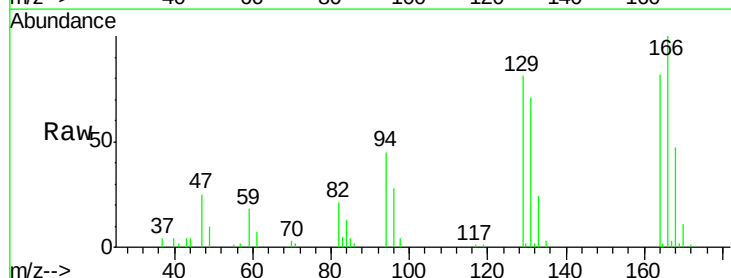
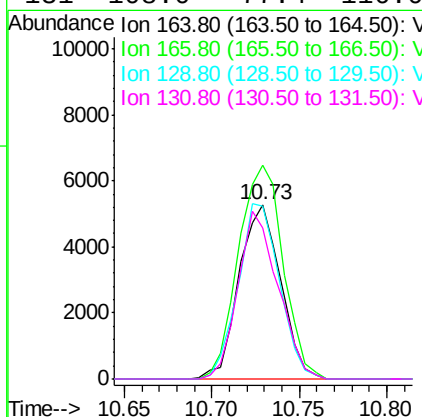
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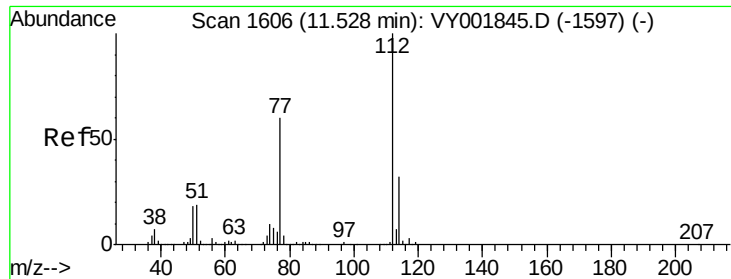
MMDadoda
3/5/2020 1:37:04 PM



#64
Tetrachloroethene
Concen: 5.422 ug/l
RT: 10.73 min Scan# 1475
Delta R.T. 0.00 min
Lab File: VY001842.D
Acq: 04 Mar 2020 10:07

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	7302		
166	132.2		102.6	154.0
129	103.9		82.3	123.5
131	108.0		77.4	116.0





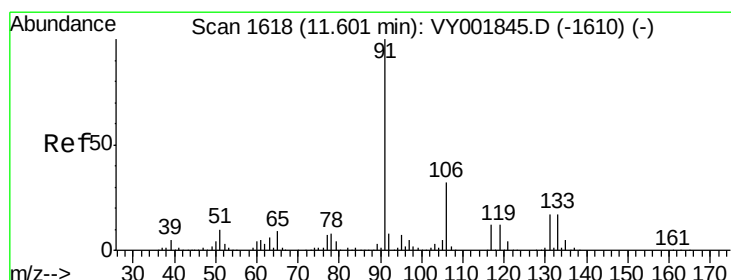
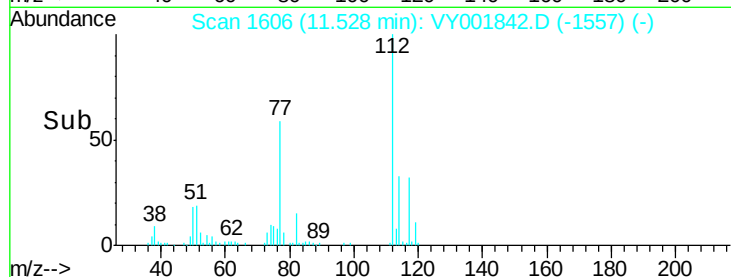
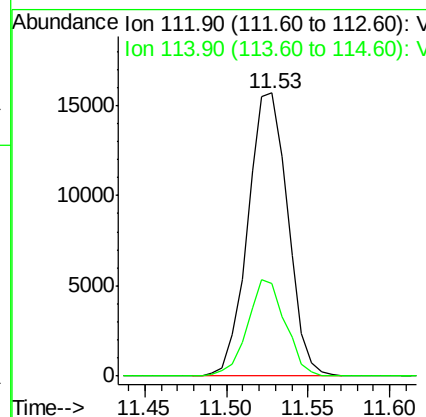
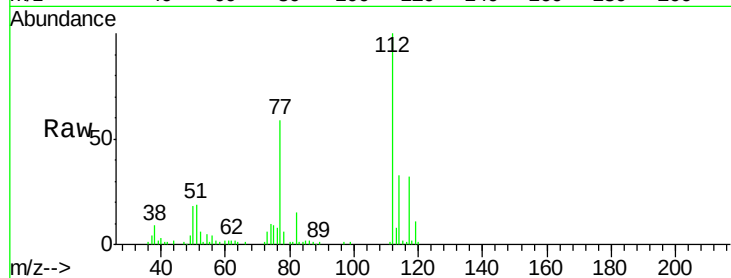
#65
Chlorobenzene
Concen: 5.380 ug/l
RT: 11.53 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VY001842.D
Acq: 04 Mar 2020 10:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.1	25.9	38.9

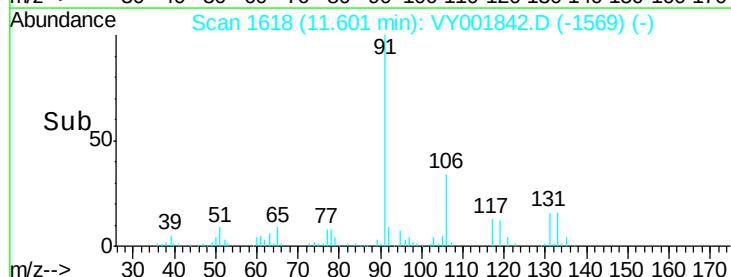
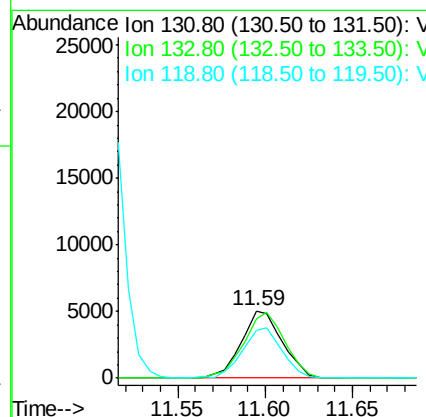
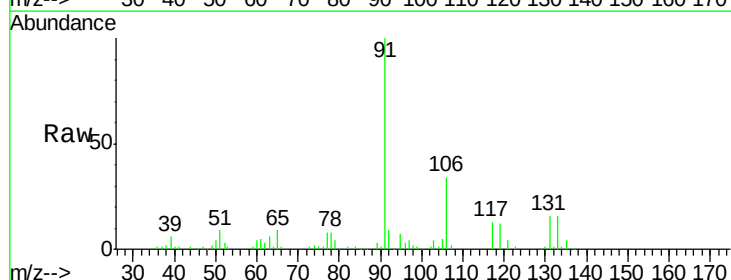
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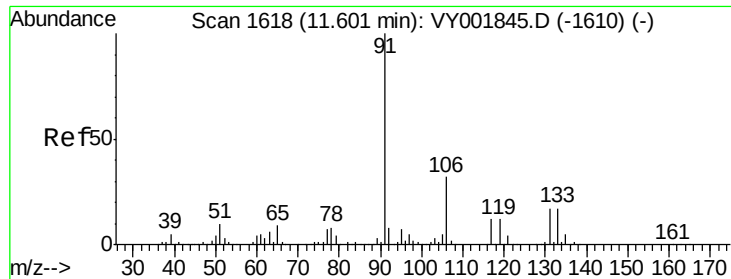
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3/5/2020 1:37:04 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 5.266 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VY001842.D
Acq: 04 Mar 2020 10:07

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.5	47.1	141.3
119	67.7	34.5	103.6





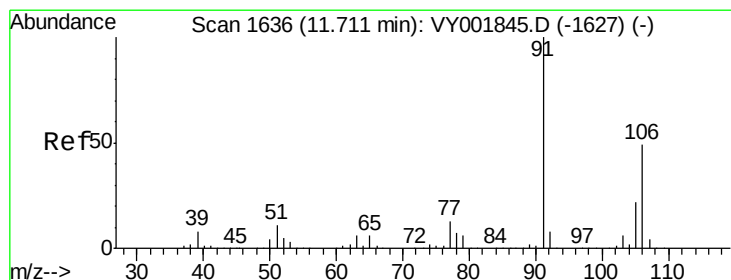
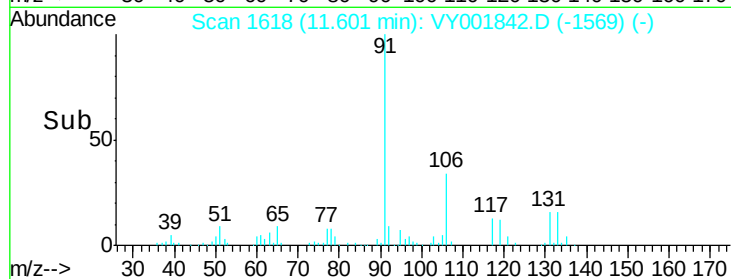
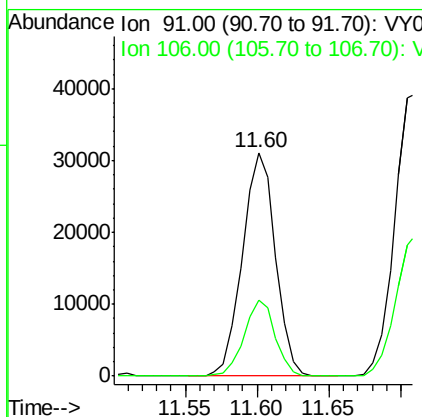
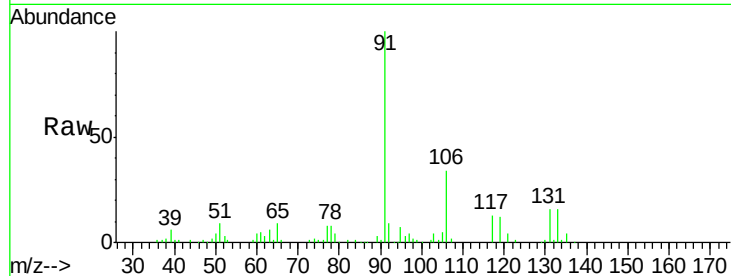
#67
Ethyl Benzene
Concen: 5.271 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VY001842.D
Acq: 04 Mar 2020 10:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	91	Resp	41981
Ion Ratio	Lower	Upper	
91	100		
106	32.2	25.4	38.2

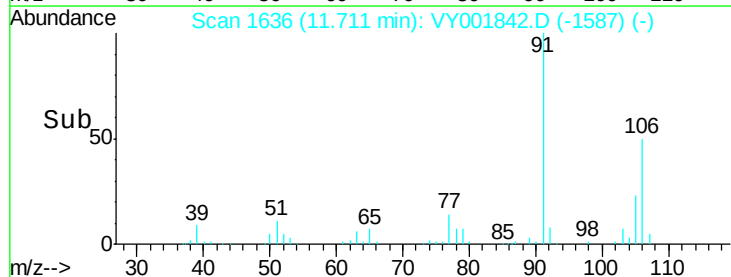
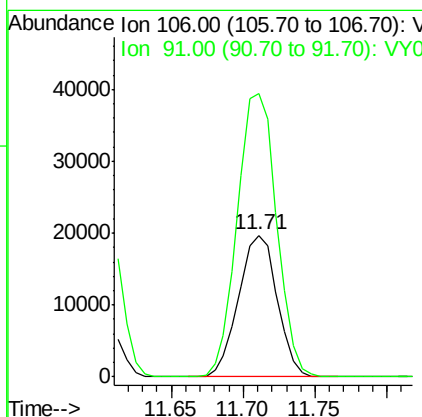
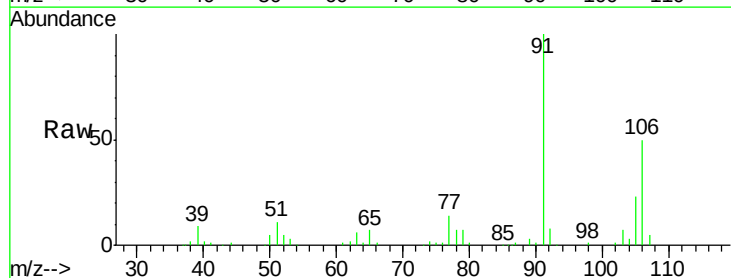
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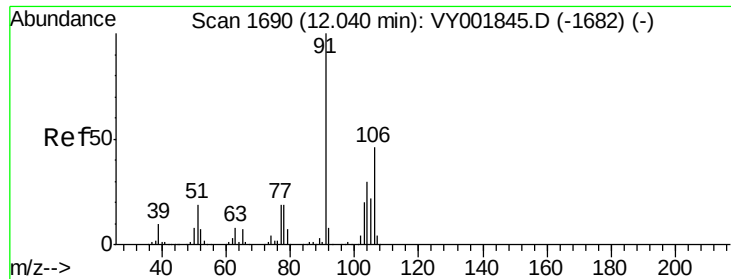
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3/5/2020 1:37:04 PM



#68
m/p-Xylenes
Concen: 10.550 ug/l
RT: 11.71 min Scan# 1636
Delta R.T. 0.00 min
Lab File: VY001842.D
Acq: 04 Mar 2020 10:07

Tgt Ion	106	Resp	31098
Ion Ratio	Lower	Upper	
106	100		
91	197.4	161.3	241.9





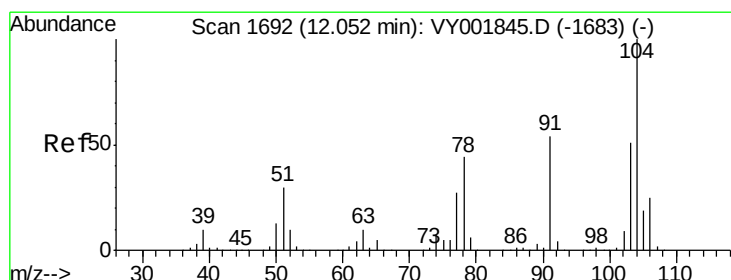
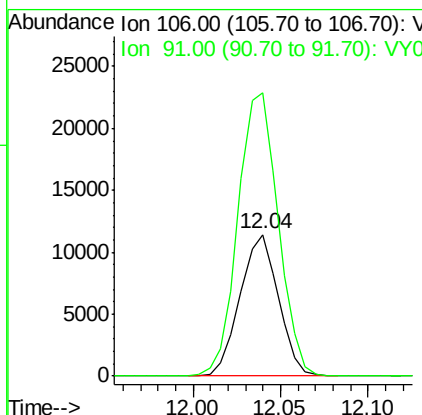
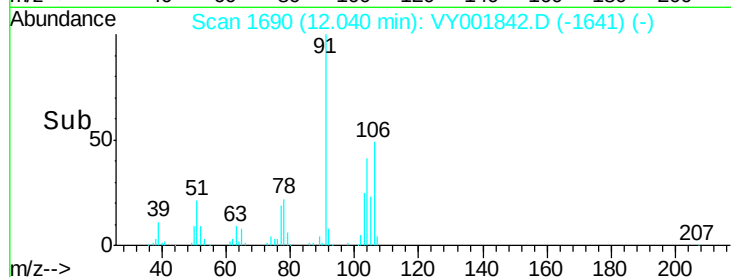
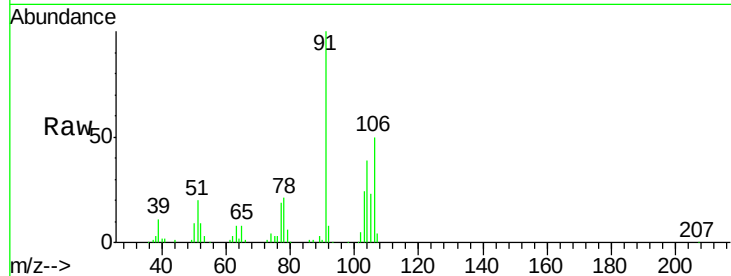
#69
o-Xylene
Concen: 5.360 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VY001842.D
Acq: 04 Mar 2020 10:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion:106 Resp: 14860
Ion Ratio Lower Upper
106 100
91 208.1 106.8 320.4

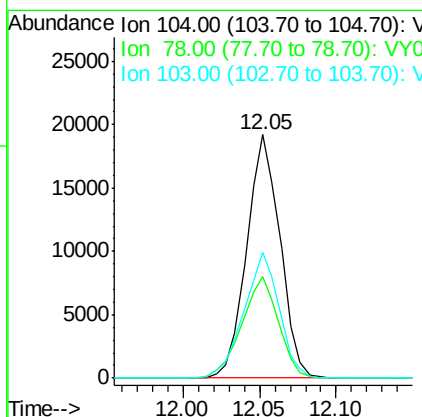
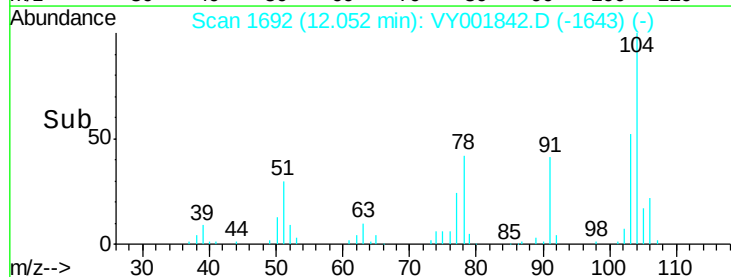
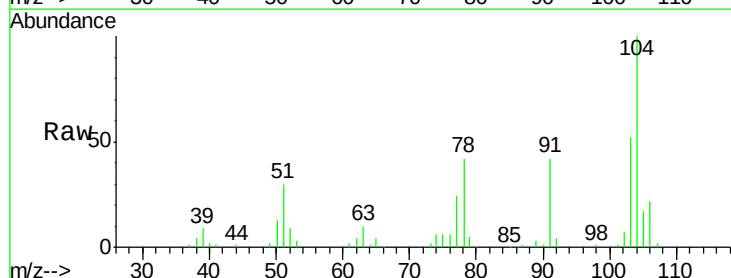
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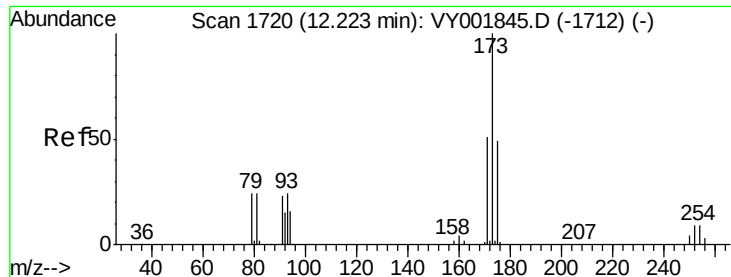
MMDadoda
3/5/2020 1:37:04 PM



#70
Styrene
Concen: 4.901 ug/l
RT: 12.05 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VY001842.D
Acq: 04 Mar 2020 10:07

Tgt Ion:104 Resp: 23501
Ion Ratio Lower Upper
104 100
78 48.0 38.5 57.7
103 55.8 42.9 64.3





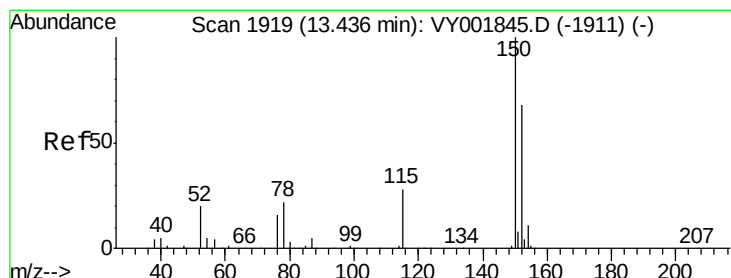
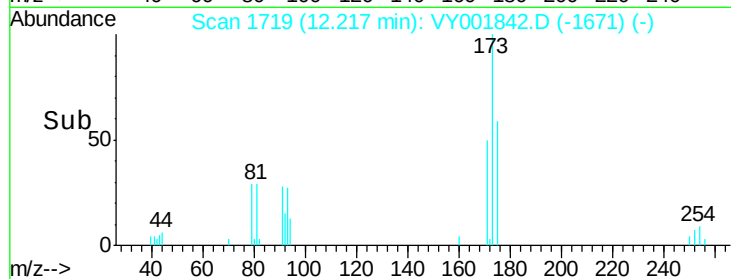
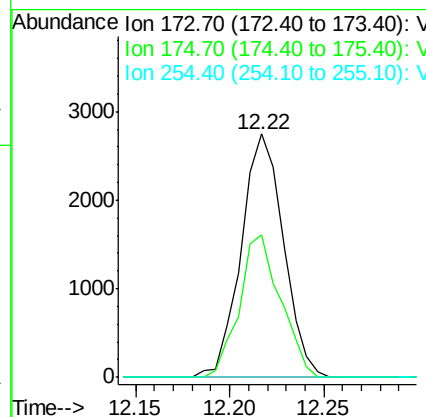
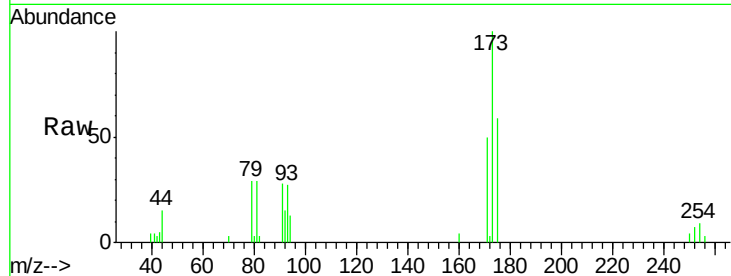
#71
Bromoform
Concen: 4.815 ug/l
RT: 12.22 min Scan# 1719
Delta R.T. -0.01 min
Lab File: VY001842.D
Acq: 04 Mar 2020 10:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.0	24.3	72.8
254	0.0	0.0	0.0

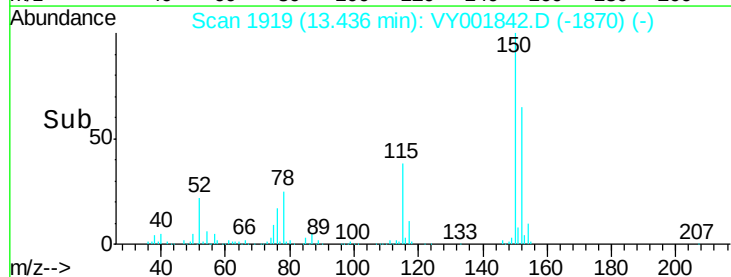
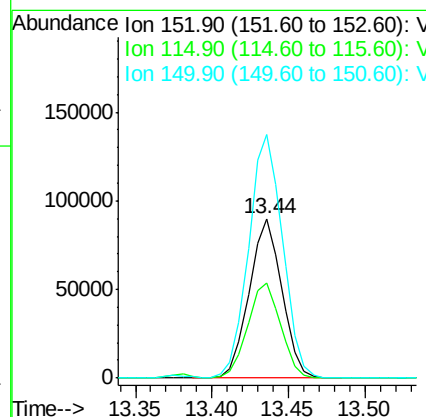
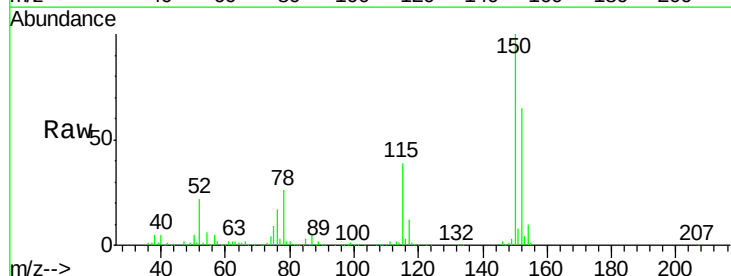
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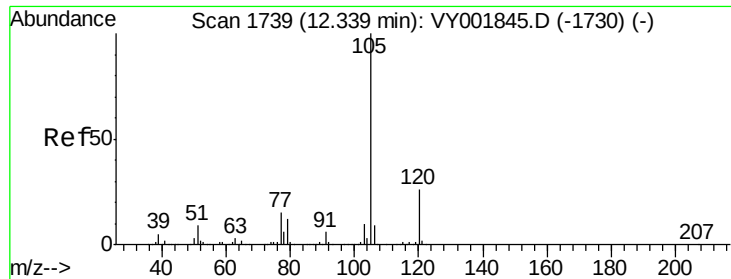
MMDadoda
3/5/2020 1:37:04 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1919
Delta R.T. 0.00 min
Lab File: VY001842.D
Acq: 04 Mar 2020 10:07

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.9	29.9	89.7
150	160.8	0.0	340.6





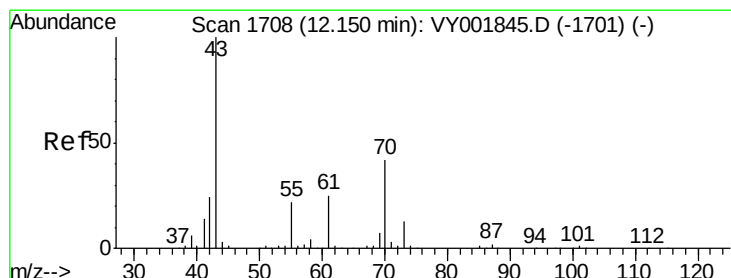
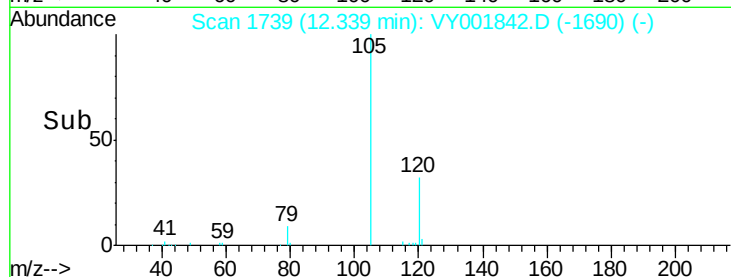
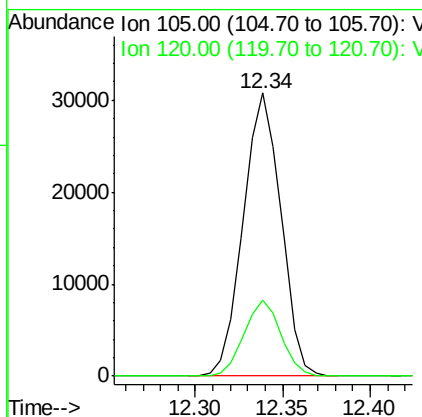
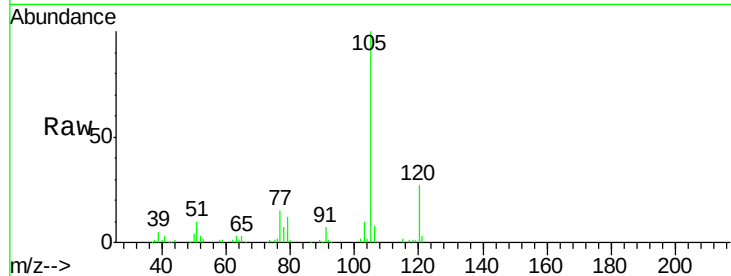
#73
Isopropylbenzene
Concen: 5.103 ug/l
RT: 12.34 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VY001842.D
Acq: 04 Mar 2020 10:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
105	100	38656		
120	27.4		13.1	39.3

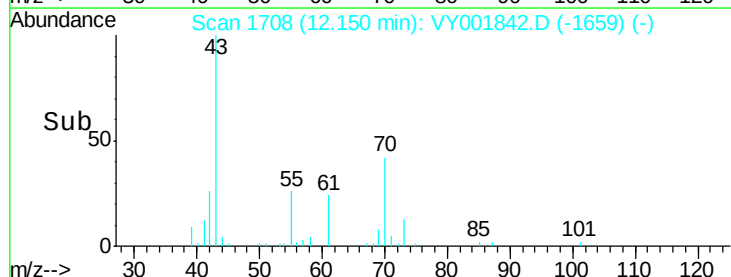
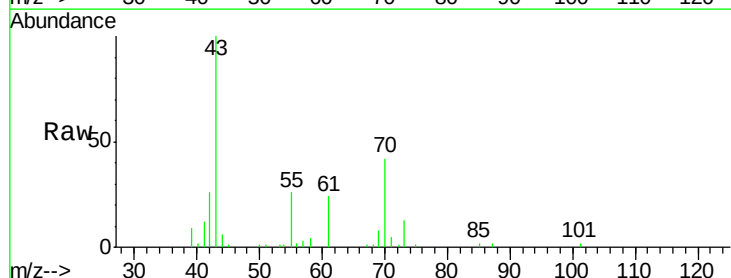
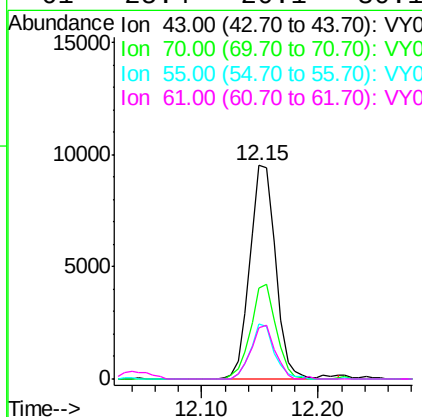
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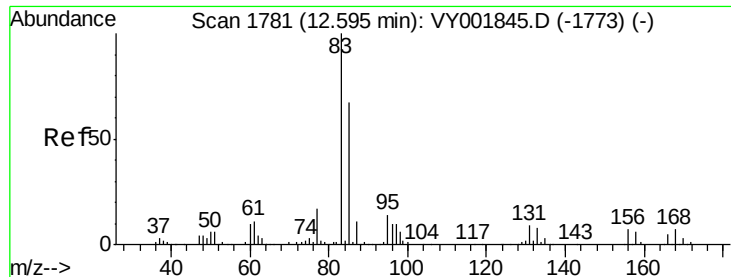
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3/5/2020 1:37:04 PM



#74
N-ethyl acetate
Concen: 5.245 ug/l
RT: 12.15 min Scan# 1708
Delta R.T. 0.00 min
Lab File: VY001842.D
Acq: 04 Mar 2020 10:07

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	12183		
70	42.7		34.7	52.1
55	23.9		18.2	27.4
61	25.4		20.1	30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 5.178 ug/l

RT: 12.59 min Scan# 1781

Delta R.T. 0.00 min

Lab File: VY001842.D

Acq: 04 Mar 2020 10:07

Instrument :

MSVOA_Y

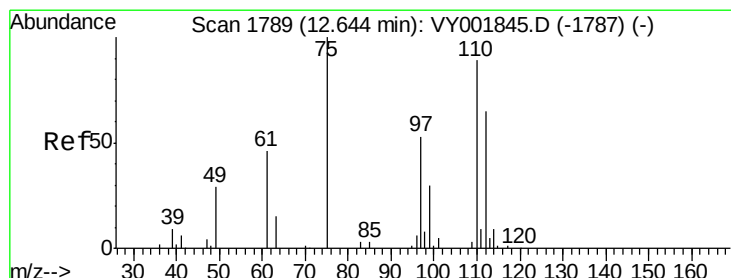
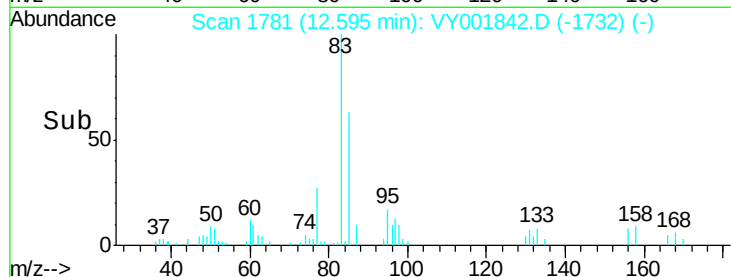
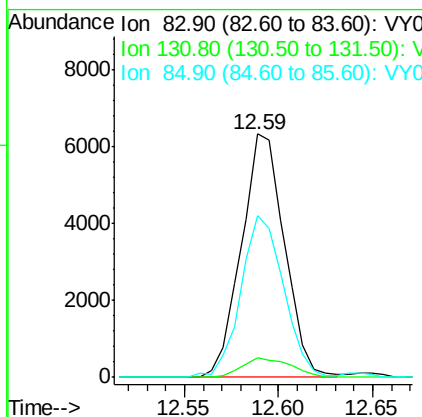
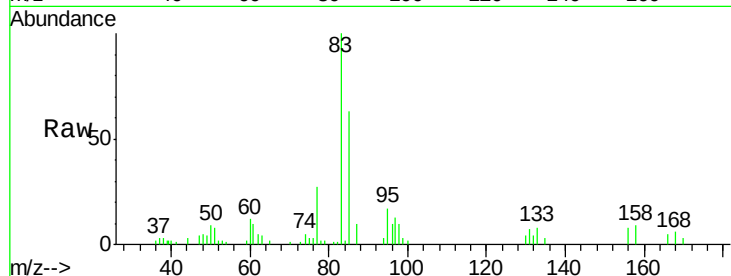
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	8455
Ion	Ratio	Lower	Upper
83	100		
131	9.3	4.6	13.8
85	63.5	32.1	96.3

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#76

1,2,3-Trichloropropane

Concen: 5.439 ug/l m

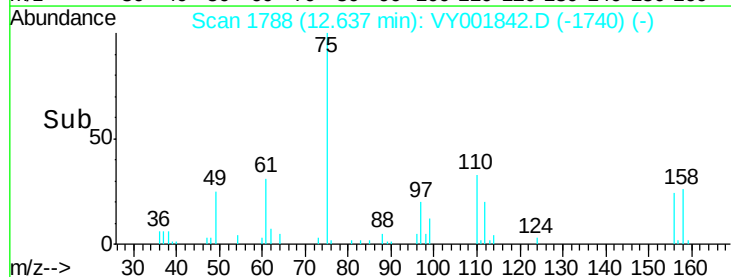
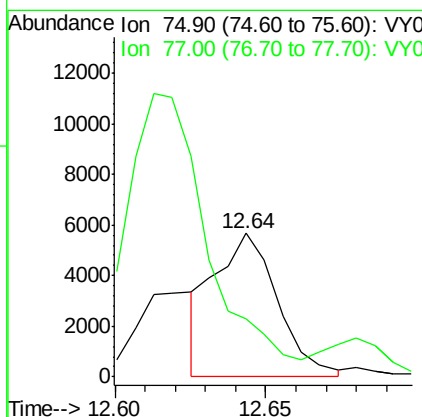
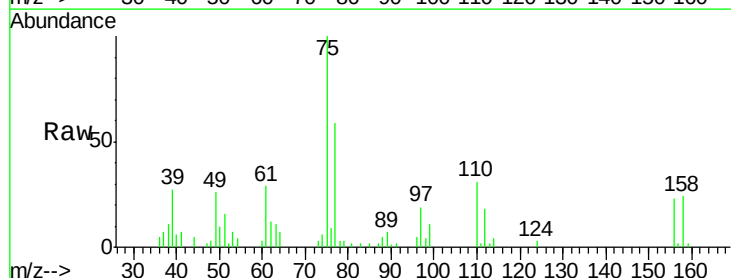
RT: 12.64 min Scan# 1788

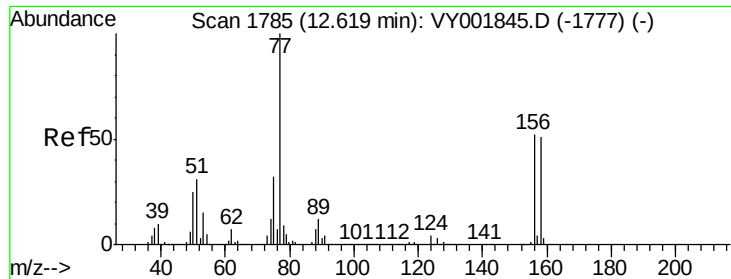
Delta R.T. -0.01 min

Lab File: VY001842.D

Acq: 04 Mar 2020 10:07

Tgt Ion:	75	Resp:	7049
Ion	Ratio	Lower	Upper
75	100		
77	250.0	0.0	0.0#





#77

Bromobenzene

Concen: 5.185 ug/l

RT: 12.62 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VY001842.D

Acq: 04 Mar 2020 10:07

Instrument :

MSVOA_Y

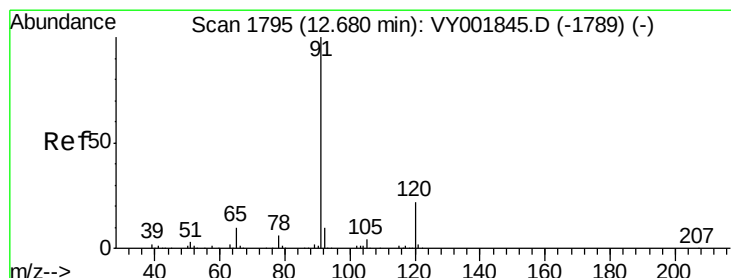
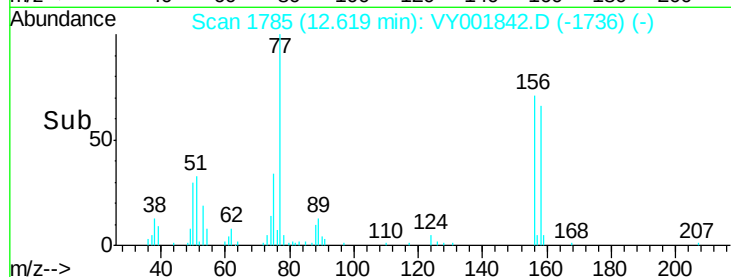
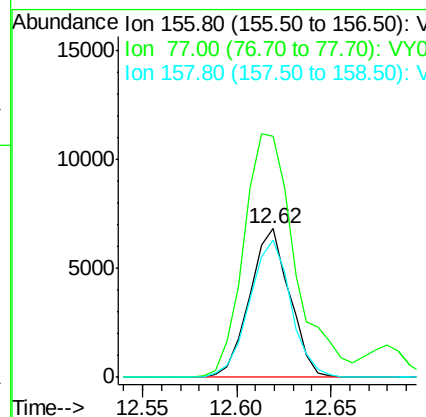
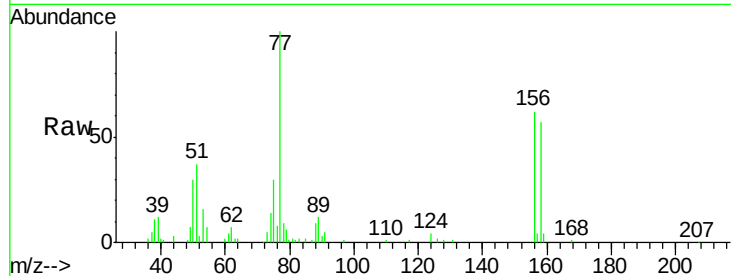
ClientSampleId :

VSTDIC005

Tot Ion	Ratio	Lower	Upper
156	100		
77	211.3	109.0	327.0
158	102.4	48.9	146.8

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#78

n-propylbenzene

Concen: 5.138 ug/l

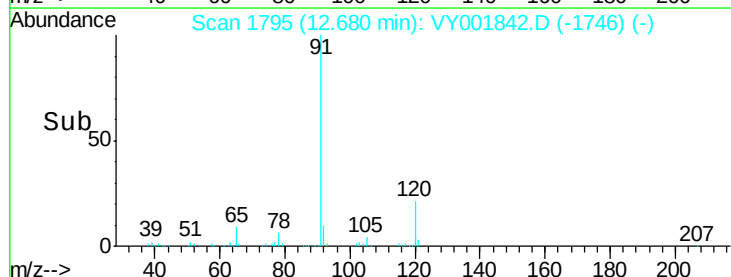
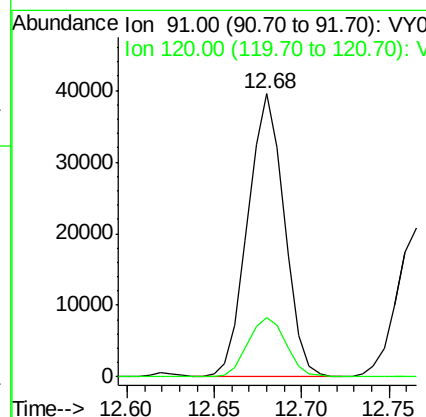
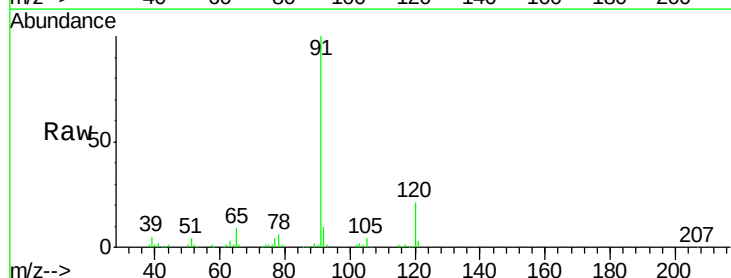
RT: 12.68 min Scan# 1795

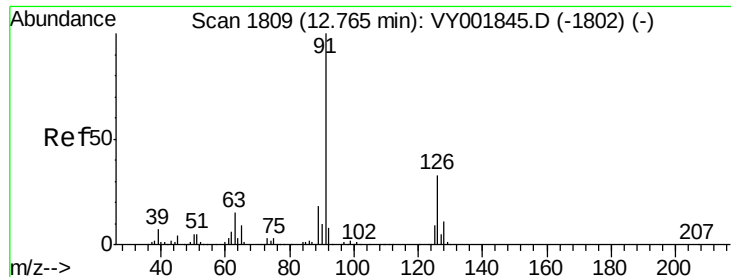
Delta R.T. 0.00 min

Lab File: VY001842.D

Acq: 04 Mar 2020 10:07

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.1	11.0	33.0





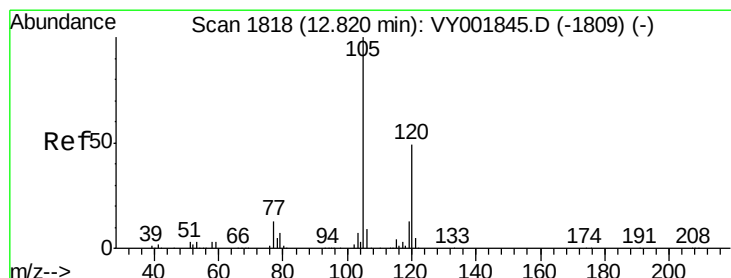
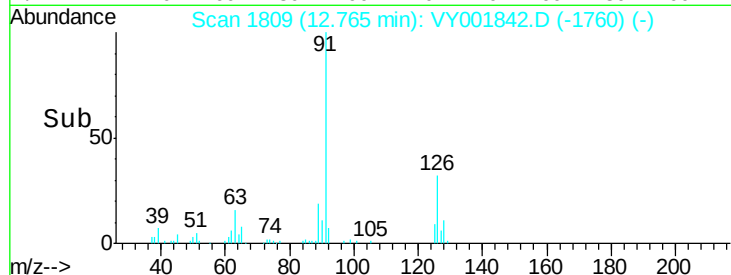
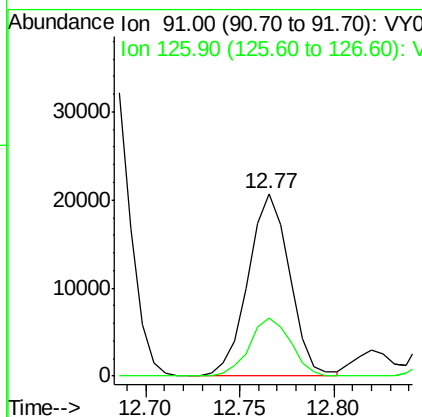
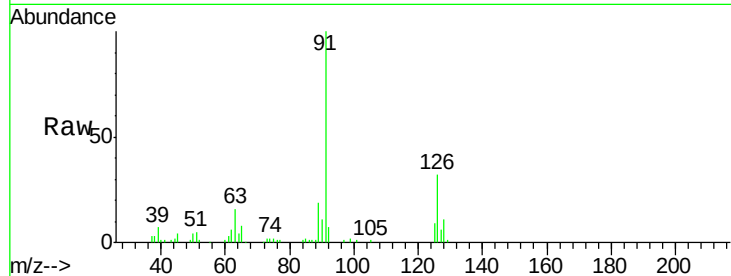
#79
2-Chlorotoluene
Concen: 5.125 ug/l
RT: 12.77 min Scan# 1809
Delta R.T. 0.00 min
Lab File: VY001842.D
Acq: 04 Mar 2020 10:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
126	33.2	16.3	48.8

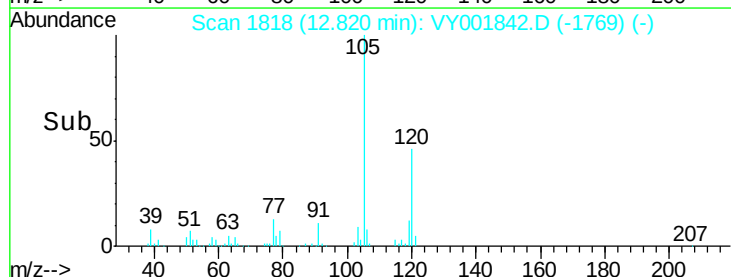
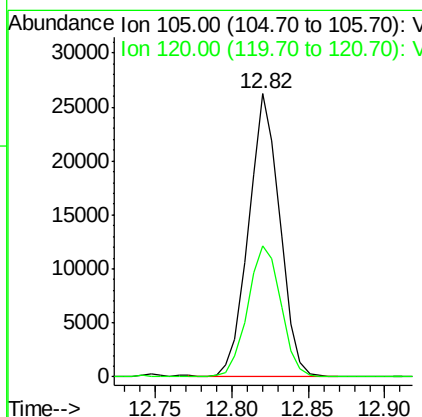
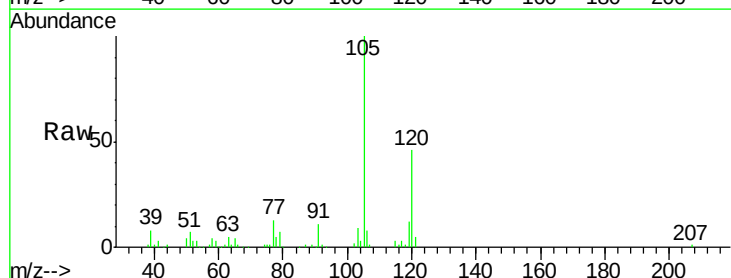
Manual Integrations
APPROVED

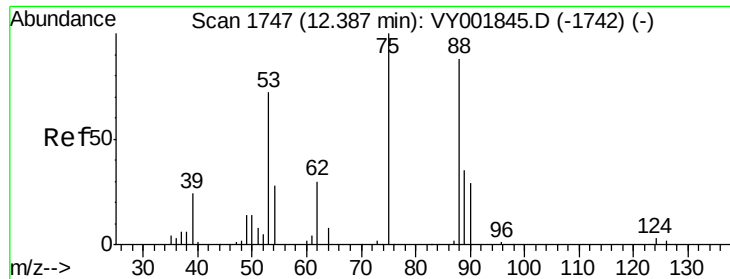
MMDadoda
3/5/2020 1:37:04 PM



#80
1,3,5-Trimethylbenzene
Concen: 5.181 ug/l
RT: 12.82 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VY001842.D
Acq: 04 Mar 2020 10:07

Tgt Ion	Ratio	Lower	Upper
105	100		
120	49.1	24.4	73.2





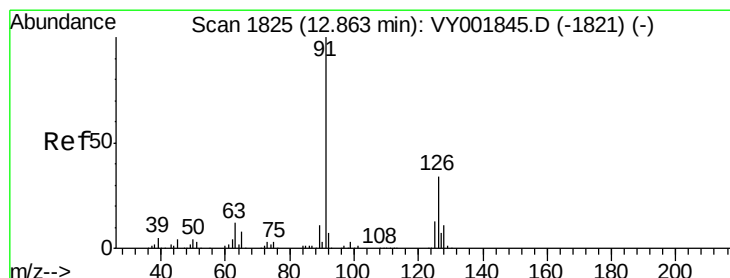
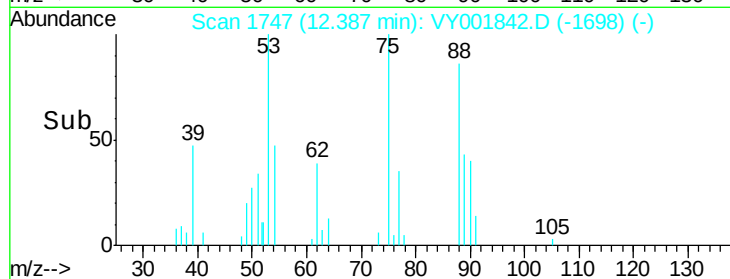
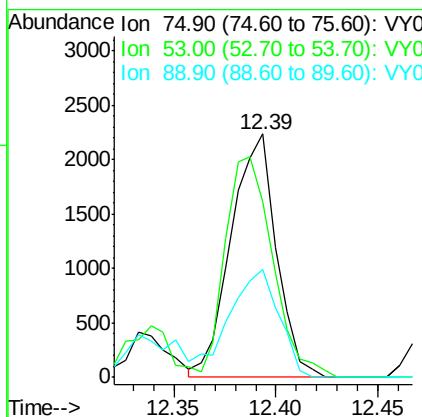
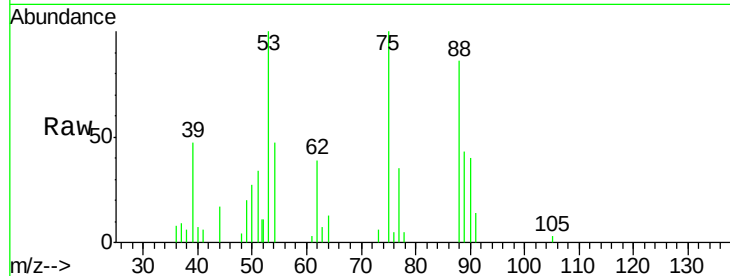
#81
trans-1,4-Dichloro-2-butene
Concen: 4.773 ug/l
RT: 12.39 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VY001842.D
Acq: 04 Mar 2020 10:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
53	87.2	65.4	98.0
89	43.1	36.0	54.0

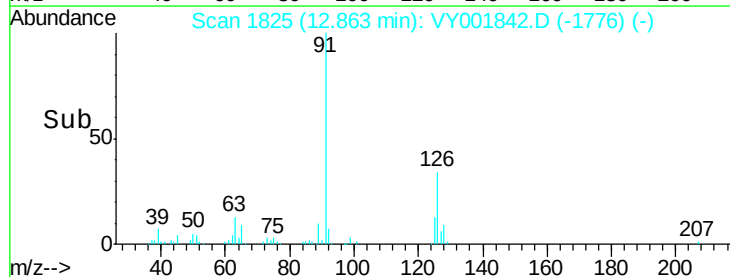
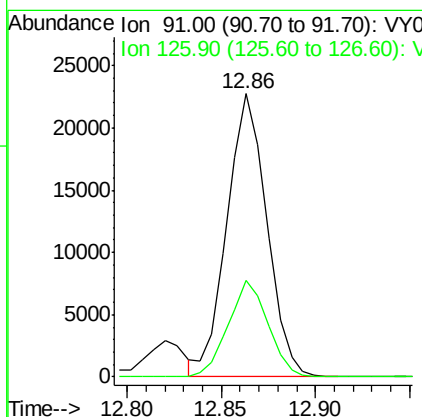
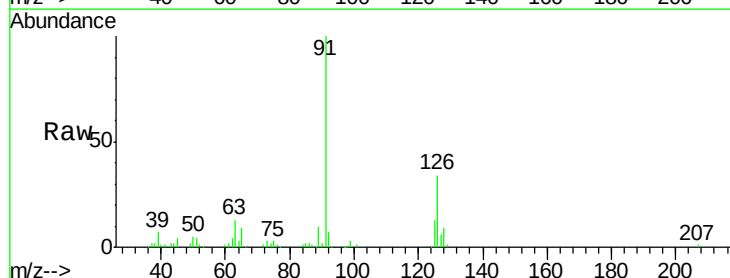
Manual Integrations
APPROVED

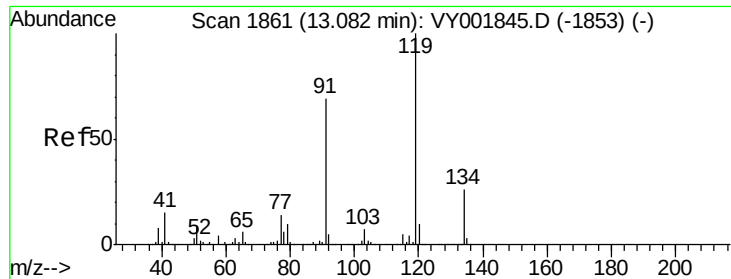
MMDadoda
3/5/2020 1:37:04 PM



#82
4-Chlorotoluene
Concen: 5.271 ug/l
RT: 12.86 min Scan# 1825
Delta R.T. 0.00 min
Lab File: VY001842.D
Acq: 04 Mar 2020 10:07

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.0	16.4	49.2





#83

tert-Butylbenzene

Concen: 5.070 ug/l

RT: 13.08 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VY001842.D

Acq: 04 Mar 2020 10:07

Instrument :

MSVOA_Y

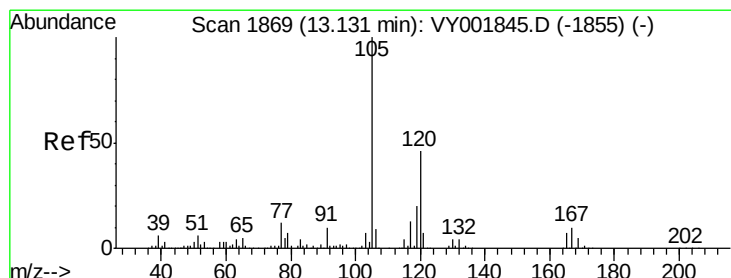
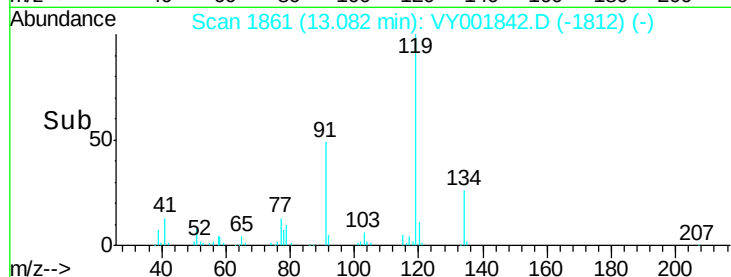
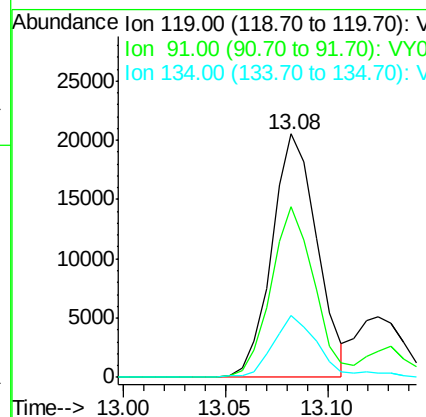
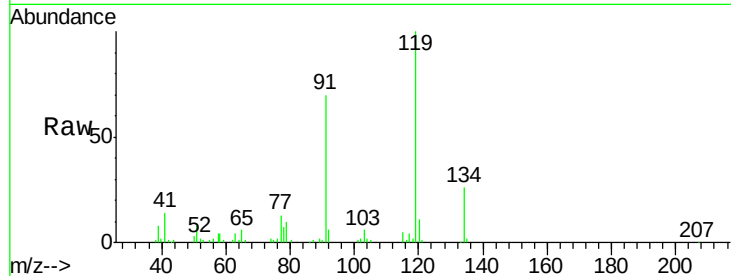
ClientSampleId :

VSTDIC005

Tot Ion:	119	Resp:	26279
Ion	Ratio	Lower	Upper
119	100		
91	68.0	34.0	101.8
134	28.2	13.5	40.4

Manual Integrations
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3/5/2020 1:37:04 PM



#84

1,2,4-Trimethylbenzene

Concen: 5.111 ug/l

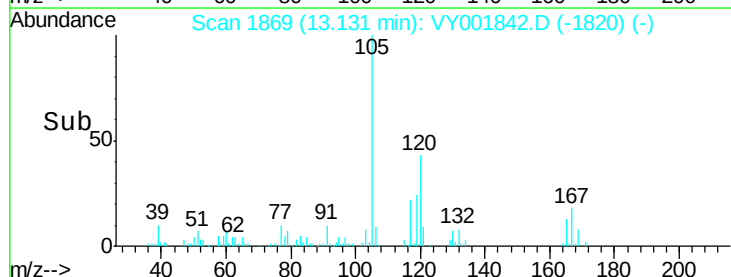
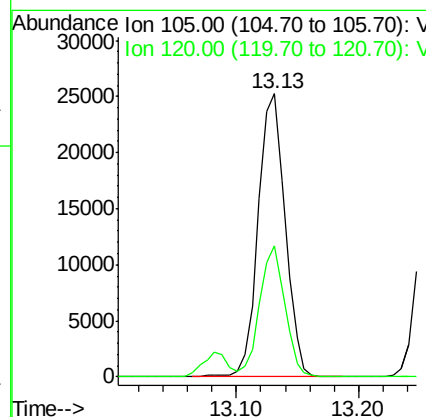
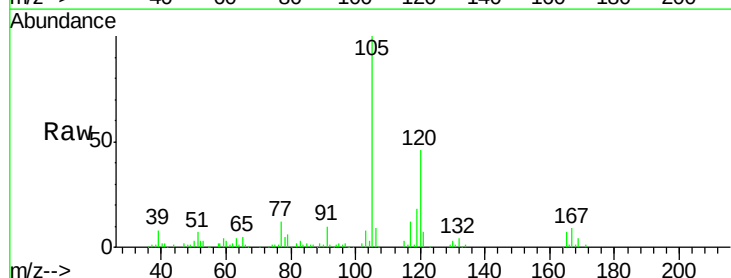
RT: 13.13 min Scan# 1869

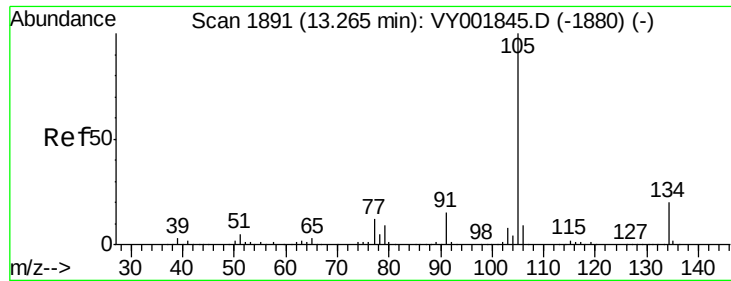
Delta R.T. 0.00 min

Lab File: VY001842.D

Acq: 04 Mar 2020 10:07

Tgt Ion:	105	Resp:	31697
Ion	Ratio	Lower	Upper
105	100		
120	44.9	22.6	67.7





#85

sec-Butylbenzene

Concen: 5.049 ug/l

RT: 13.26 min Scan# 1890

Delta R.T. -0.01 min

Lab File: VY001842.D

Acq: 04 Mar 2020 10:07

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 38641

Ion Ratio Lower Upper

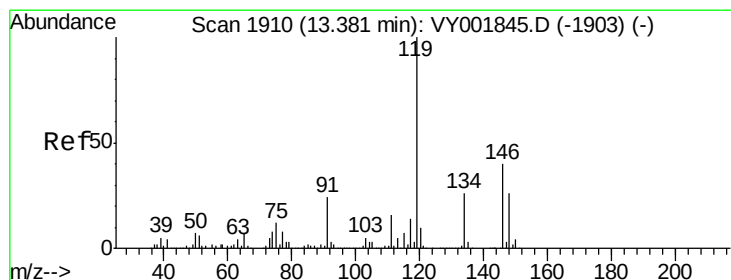
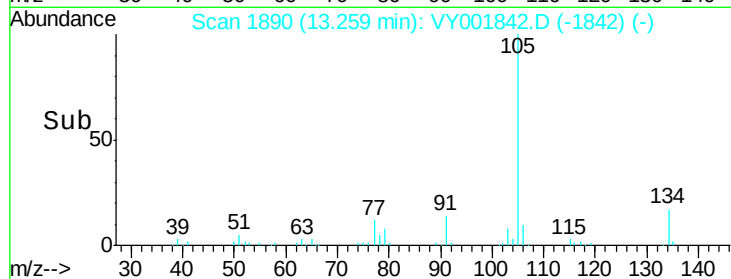
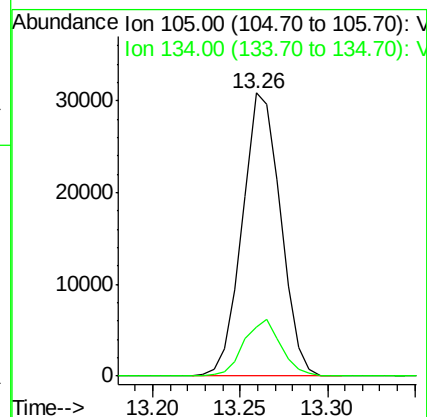
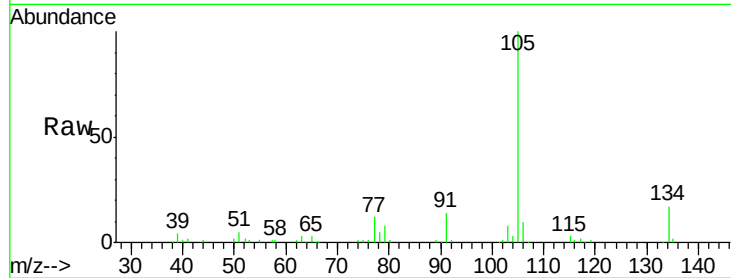
105 100

134 20.3 9.7 29.1

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#86

p-Isopropyltoluene

Concen: 5.122 ug/l

RT: 13.38 min Scan# 1910

Delta R.T. 0.00 min

Lab File: VY001842.D

Acq: 04 Mar 2020 10:07

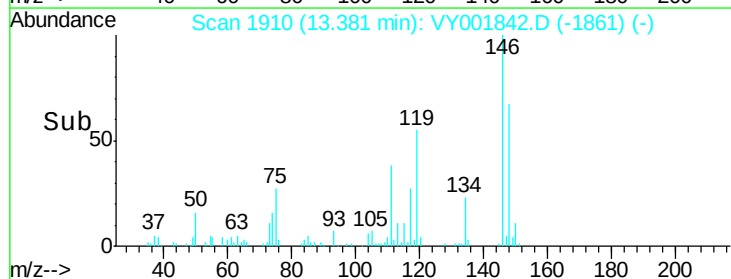
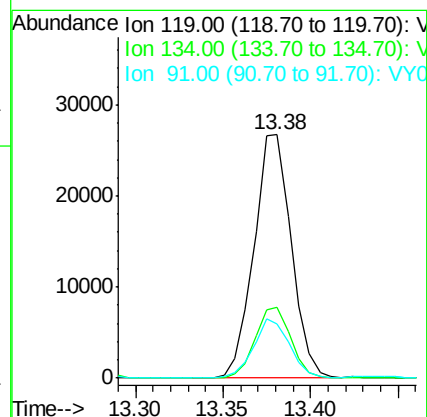
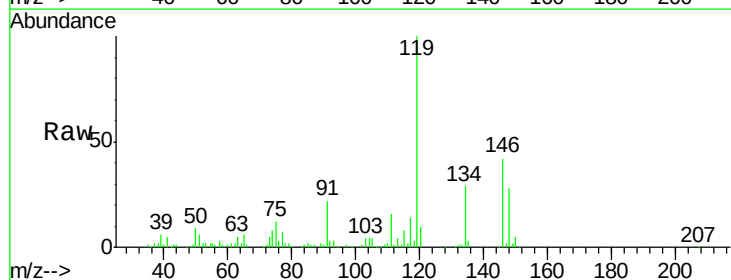
Tgt Ion:119 Resp: 33664

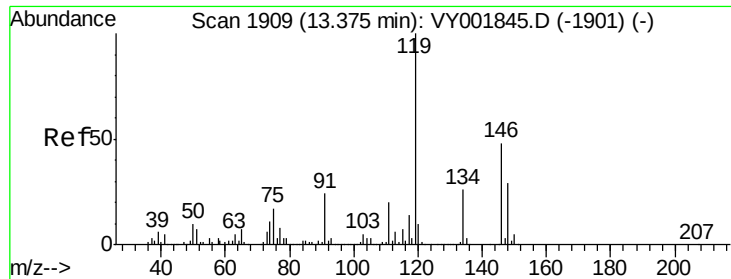
Ion Ratio Lower Upper

119 100

134 27.2 13.1 39.3

91 24.8 11.9 35.7





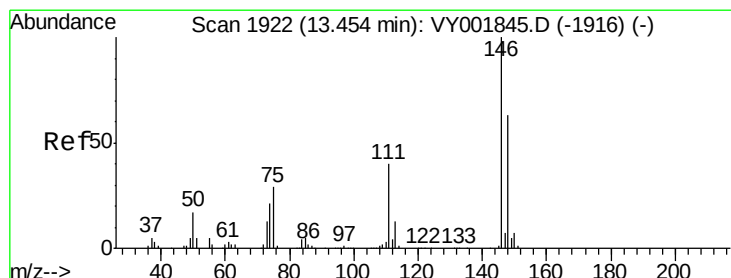
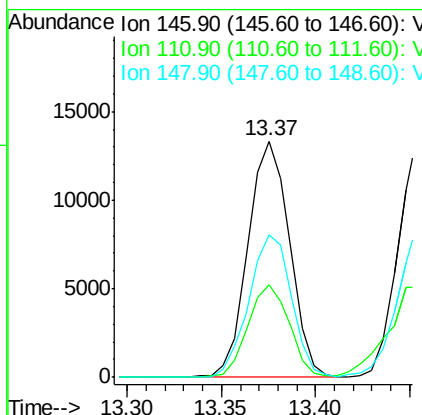
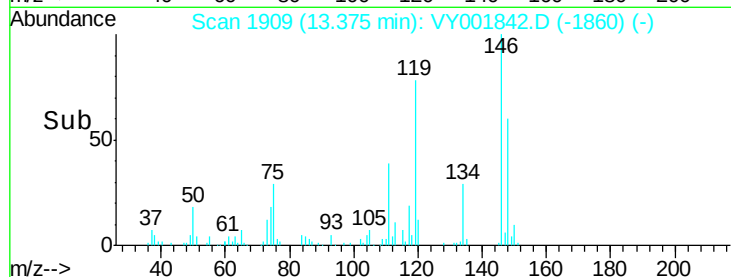
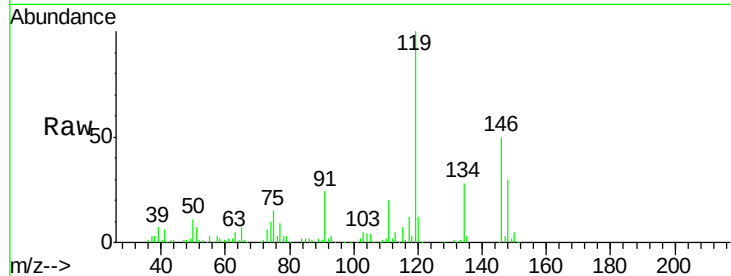
#87
 1,3-Dichlorobenzene
 Concen: 5.259 ug/l
 RT: 13.38 min Scan# 1909
 Delta R.T. 0.00 min
 Lab File: VY001842.D
 Acq: 04 Mar 2020 10:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.8	62.5
148	65.2	31.4	94.0

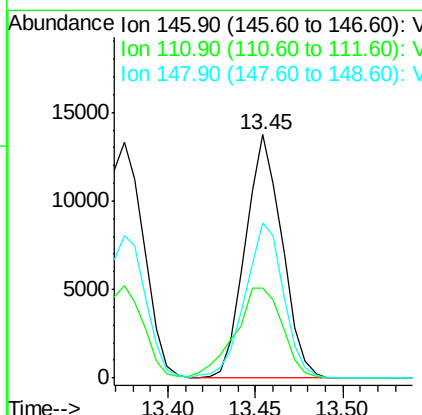
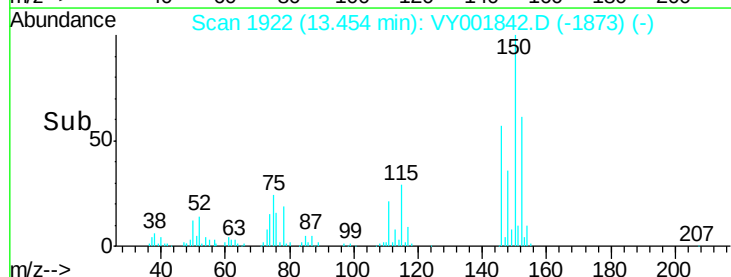
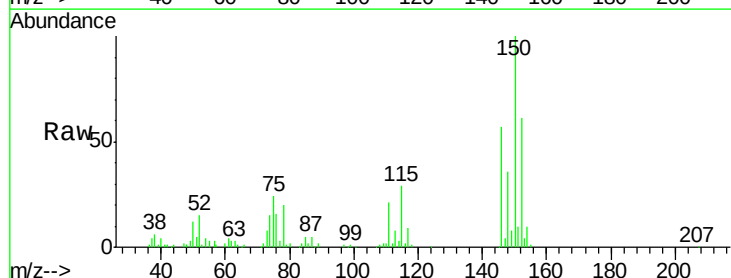
Manual Integrations
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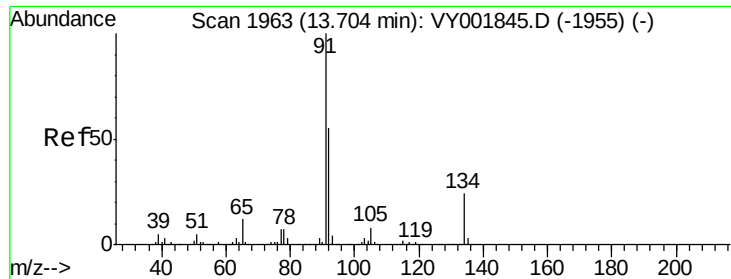
MMDadoda
 3/5/2020 1:37:04 PM



#88
 1,4-Dichlorobenzene
 Concen: 5.395 ug/l
 RT: 13.45 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VY001842.D
 Acq: 04 Mar 2020 10:07

Tgt Ion	Ratio	Lower	Upper
146	100		
111	48.0	20.0	60.0
148	64.5	31.5	94.5





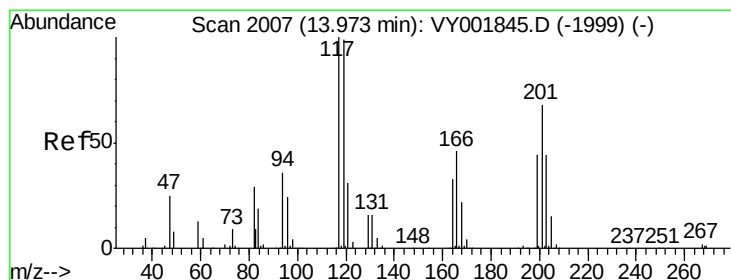
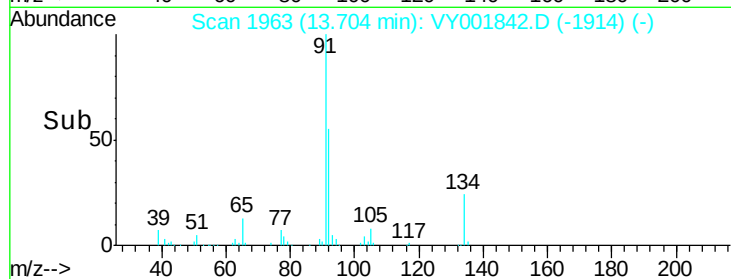
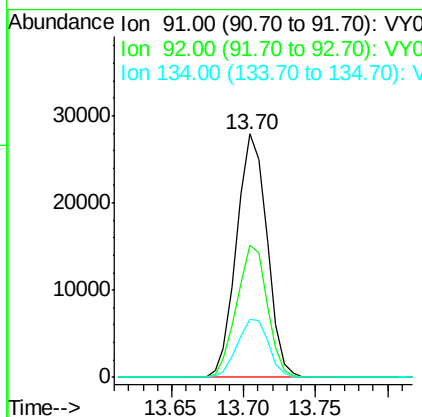
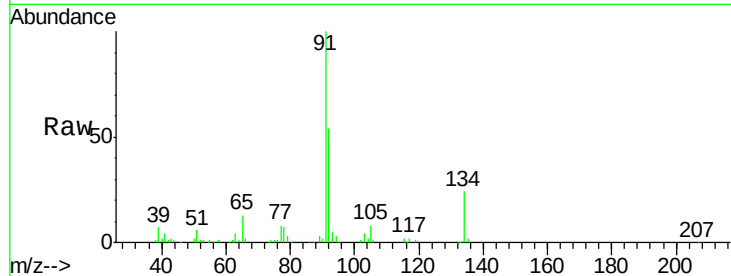
#89
n-Butylbenzene
Concen: 5.284 ug/l
RT: 13.70 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VY001842.D
Acq: 04 Mar 2020 10:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.6	27.5	82.4
134	24.2	12.5	37.5

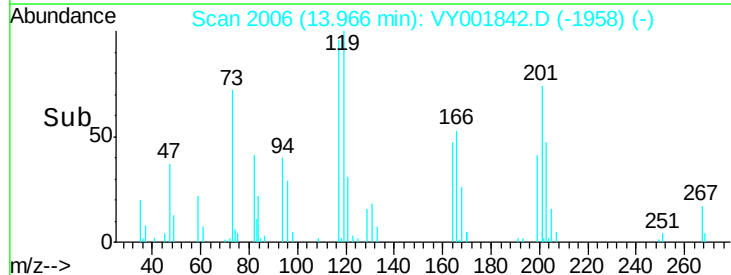
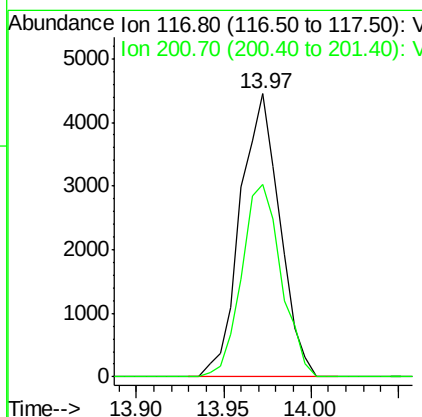
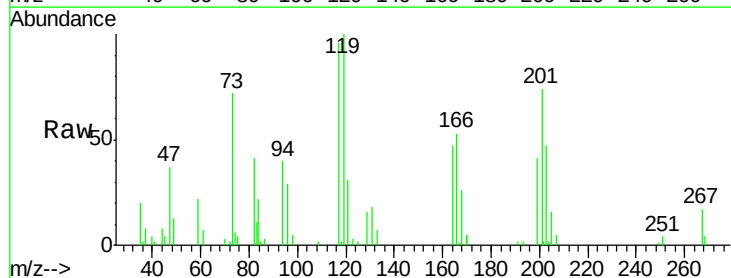
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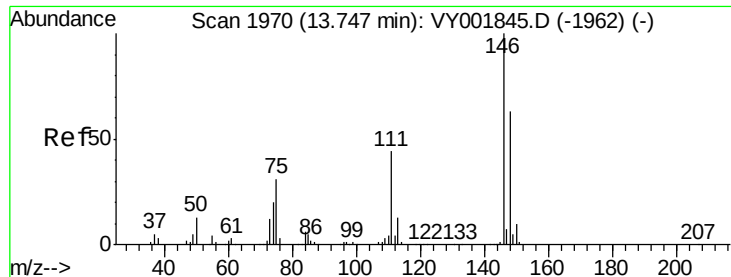
MMDadoda
3/5/2020 1:37:04 PM



#90
Hexachloroethane
Concen: 5.047 ug/l
RT: 13.97 min Scan# 2006
Delta R.T. -0.01 min
Lab File: VY001842.D
Acq: 04 Mar 2020 10:07

Tgt Ion	Ratio	Lower	Upper
117	100		
201	65.1	32.5	97.5





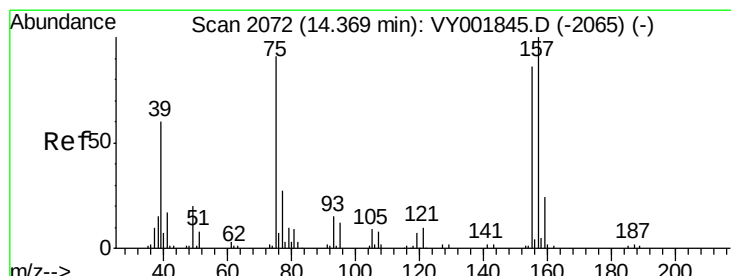
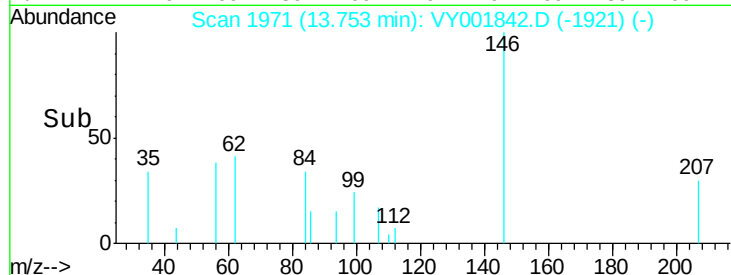
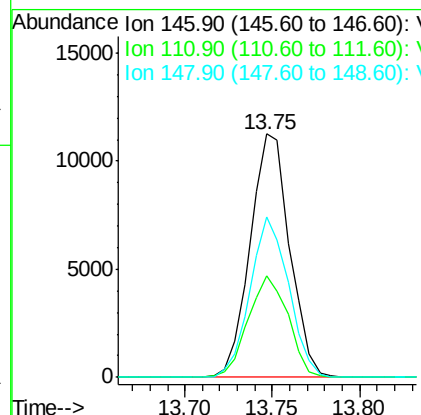
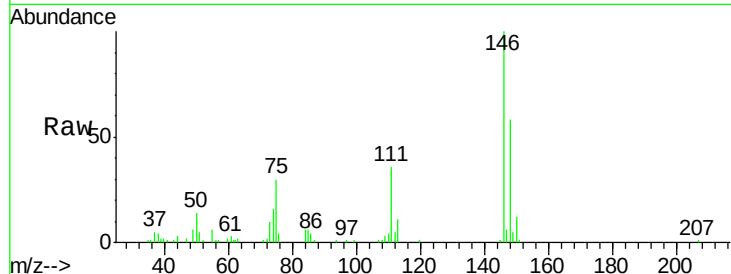
#91
 1,2-Dichlorobenzene
 Concen: 5.242 ug/l
 RT: 13.75 min Scan# 1971
 Delta R.T. 0.01 min
 Lab File: VY001842.D
 Acq: 04 Mar 2020 10:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.6	21.5	64.5
148	65.6	32.0	96.0

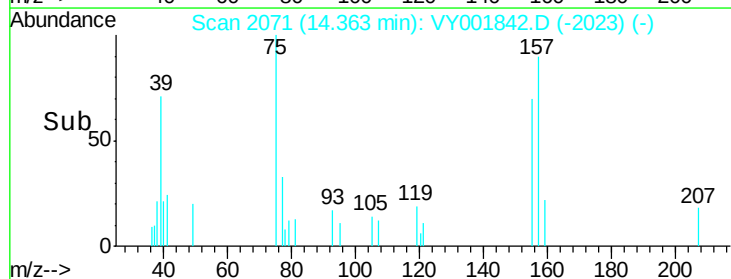
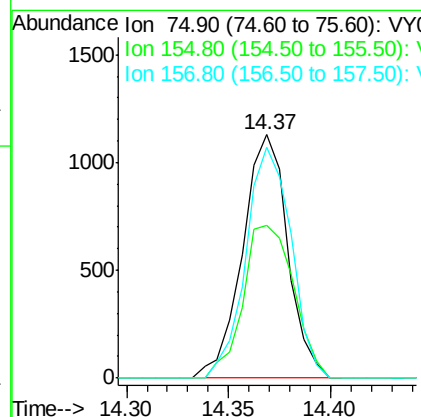
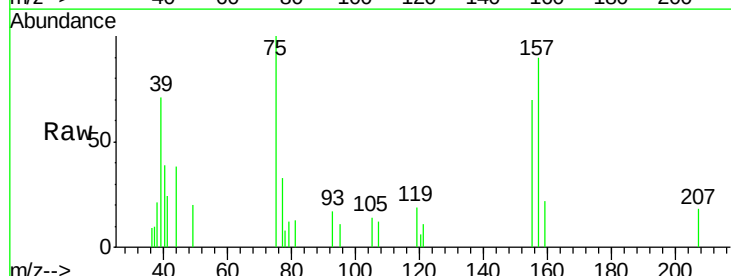
Manual Integrations
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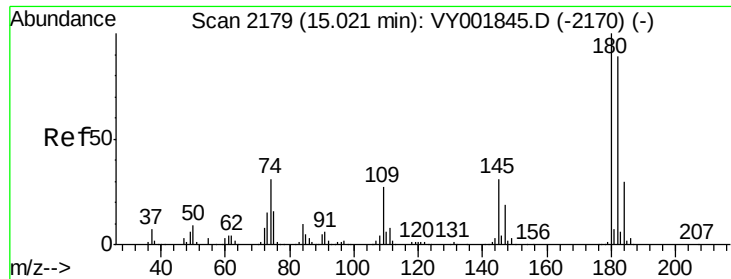
MMDadoda
 3/5/2020 1:37:04 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.766 ug/l
 RT: 14.36 min Scan# 2071
 Delta R.T. -0.01 min
 Lab File: VY001842.D
 Acq: 04 Mar 2020 10:07

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.2	42.9	128.7
157	97.1	53.1	159.4





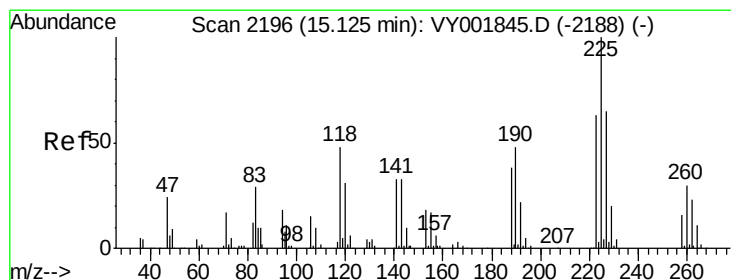
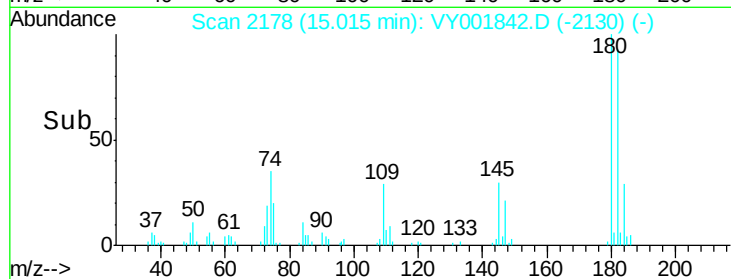
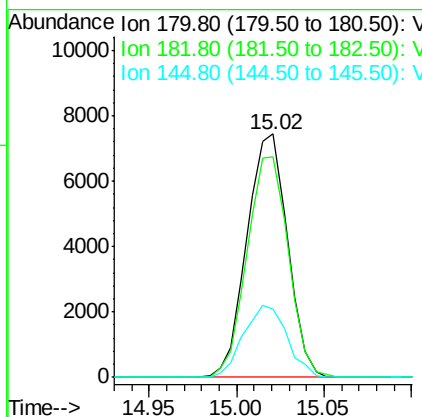
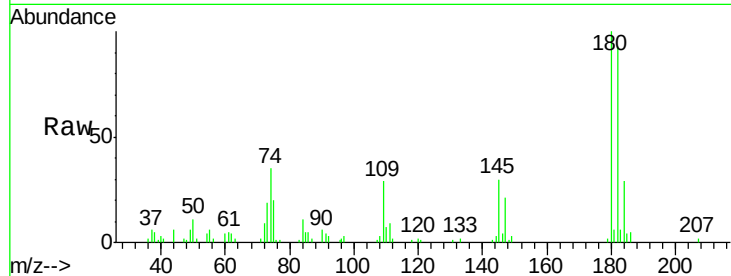
#93
 1,2,4-Trichlorobenzene
 Concen: 5.254 ug/l
 RT: 15.02 min Scan# 2178
 Delta R.T. -0.01 min
 Lab File: VY001842.D
 Acq: 04 Mar 2020 10:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
180	100		
182	99.6	46.1	138.3
145	32.5	15.6	46.8

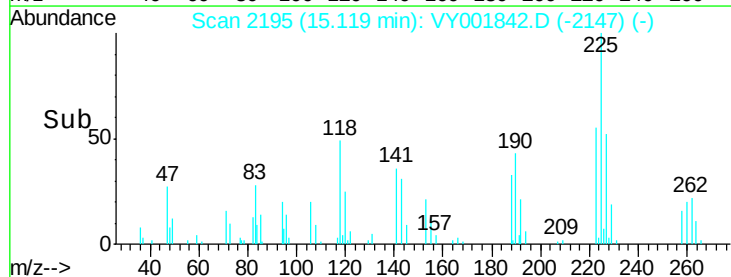
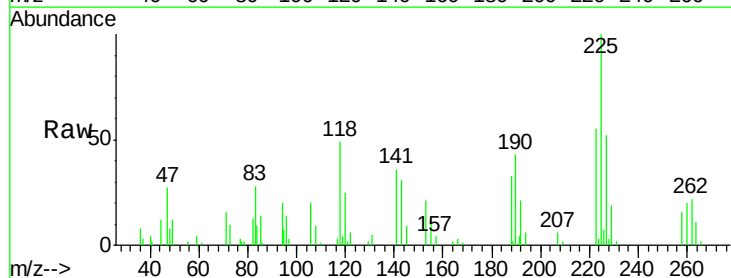
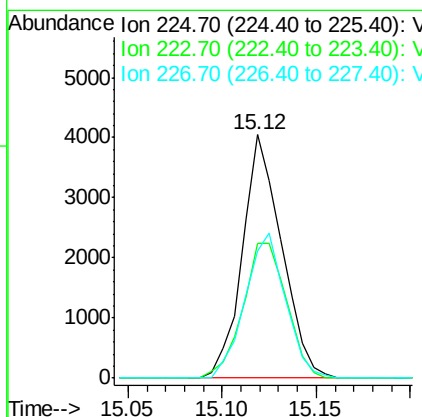
Manual Integrations
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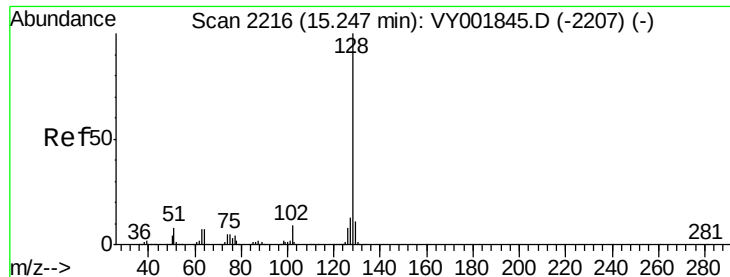
MMDadoda
 3/5/2020 1:37:04 PM



#94
 Hexachlorobutadiene
 Concen: 5.354 ug/l
 RT: 15.12 min Scan# 2195
 Delta R.T. -0.01 min
 Lab File: VY001842.D
 Acq: 04 Mar 2020 10:07

Tgt Ion	Ratio	Lower	Upper
225	100		
223	67.1	31.5	94.5
227	70.0	31.9	95.5





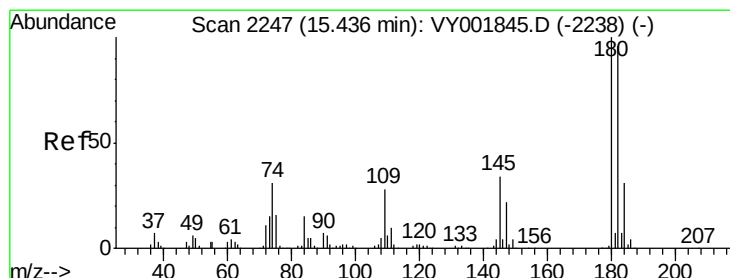
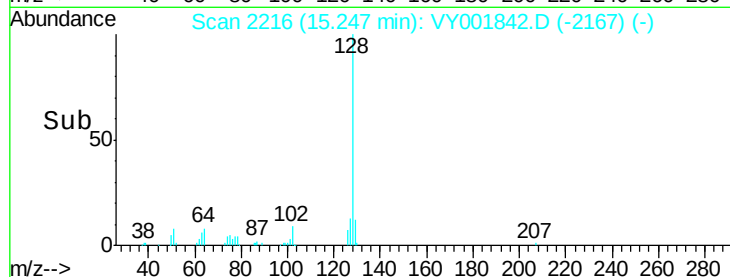
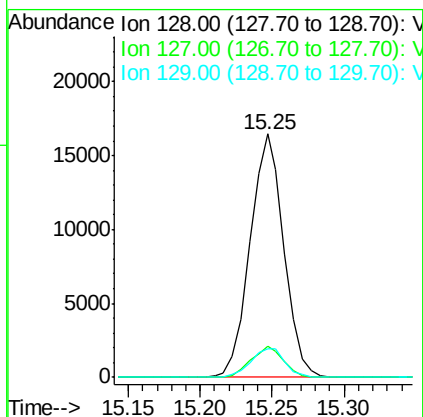
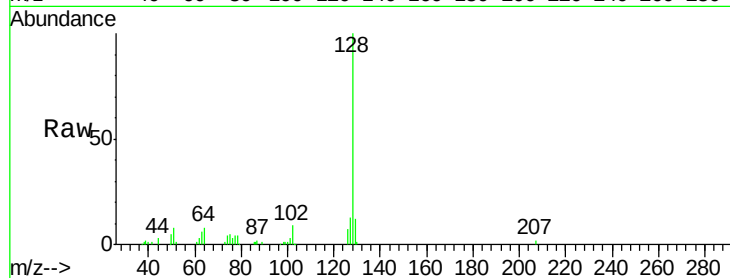
#95
Naphthalene
Concen: 5.256 ug/l
RT: 15.25 min Scan# 2216
Delta R.T. 0.00 min
Lab File: VY001842.D
Acq: 04 Mar 2020 10:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.1	15.1
129	10.3	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
3/5/2020 1:37:04 PM



#96
1,2,3-Trichlorobenzene
Concen: 5.055 ug/l
RT: 15.44 min Scan# 2247
Delta R.T. 0.00 min
Lab File: VY001842.D
Acq: 04 Mar 2020 10:07

Tgt Ion	Ratio	Lower	Upper
180	100		
182	100.9	47.6	142.9
145	34.0	16.8	50.3

