

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY030420\
 Data File : VY001843.D
 Acq On : 04 Mar 2020 10:50
 Operator : SY/MD
 Sample : VSTDIC010
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

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 3/5/2020 1:37:06 PM

Quant Time: Mar 04 17:34:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 04 17:21:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	177916	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	316156	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	288278	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	133387	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	20566	10.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.70%	
35) Dibromofluoromethane	7.75	113	18713	10.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.68%	
50) Toluene-d8	10.19	98	78501	10.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.58%	
62) 4-Bromofluorobenzene	12.49	95	27207	10.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	17040	10.540	ug/l	94
3) Chloromethane	2.13	50	23326	10.796	ug/l	99
4) Vinyl Chloride	2.27	62	23256	10.549	ug/l	99
5) Bromomethane	2.67	94	15906	11.012	ug/l	100
6) Chloroethane	2.81	64	15085	10.801	ug/l	98
7) Trichlorofluoromethane	3.15	101	31515	10.383	ug/l	100
8) Diethyl Ether	3.56	74	12465	10.564	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.93	101	20379	10.572	ug/l	98
10) Methyl Iodide	4.12	142	21741	9.718	ug/l	99
11) Tert butyl alcohol	5.00	59	14016	64.180	ug/l	96
12) 1,1-Dichloroethene	3.90	96	19747	10.150	ug/l	95
13) Acrolein	3.76	56	14857	56.155	ug/l	97
14) Allyl chloride	4.51	41	36077	10.367	ug/l	99
15) Acrylonitrile	5.21	53	33974	53.898	ug/l	99
16) Acetone	3.98	43	29410	54.356	ug/l	100
17) Carbon Disulfide	4.22	76	67019	10.287	ug/l	99
18) Methyl Acetate	4.51	43	15190	10.959	ug/l	96
19) Methyl tert-butyl Ether	5.26	73	55075	10.449	ug/l	99
20) Methylene Chloride	4.75	84	25308	10.795	ug/l	98
21) trans-1,2-Dichloroethene	5.25	96	22593	10.268	ug/l	99
22) Diisopropyl ether	6.16	45	75772	10.789	ug/l	97
23) Vinyl Acetate	6.10	43	246479	53.437	ug/l	100
24) 1,1-Dichloroethane	6.05	63	39554	10.413	ug/l	99
25) 2-Butanone	7.02	43	45547	54.651	ug/l	100
26) 2,2-Dichloropropane	7.02	77	32595	10.321	ug/l	99
27) cis-1,2-Dichloroethene	7.02	96	24876	10.410	ug/l	98
28) Bromochloromethane	7.36	49	17925	10.311	ug/l	99
29) Tetrahydrofuran	7.38	42	30947	56.406	ug/l	96
30) Chloroform	7.53	83	37662	10.459	ug/l	98
31) Cyclohexane	7.81	56	43457	10.613	ug/l	# 90
32) 1,1,1-Trichloroethane	7.73	97	31721	10.423	ug/l	98
36) 1,1-Dichloropropene	7.94	75	30677	10.330	ug/l	98
37) Ethyl Acetate	7.10	43	19803	11.197	ug/l	99
38) Carbon Tetrachloride	7.93	117	26983	10.618	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	42117	10.611	ug/l	96
40) Benzene	8.18	78	93889	10.635	ug/l	99
41) Methacrylonitrile	7.34	41	8846m	4.227	ug/l	
42) 1,2-Dichloroethane	8.25	62	24498	10.751	ug/l	99
43) Isopropyl Acetate	8.29	43	36675	11.149	ug/l	98
44) Trichloroethene	8.96	130	23036	10.691	ug/l	95
45) 1,2-Dichloropropane	9.23	63	23515	10.555	ug/l	98
46) Dibromomethane	9.32	93	12897	11.173	ug/l	94
47) Bromodichloromethane	9.51	83	28276	10.598	ug/l #	97
48) Methyl methacrylate	9.30	41	15829	10.618	ug/l	95
49) 1,4-Dioxane	9.31	88	3520	231.279	ug/l #	96
51) 4-Methyl-2-Pentanone	10.08	43	95855	56.548	ug/l	99
52) Toluene	10.25	92	56210	10.501	ug/l	98
53) t-1,3-Dichloropropene	10.47	75	30275	10.390	ug/l	97
54) cis-1,3-Dichloropropene	9.94	75	36129	10.403	ug/l	98
55) 1,1,2-Trichloroethane	10.65	97	18352	10.897	ug/l	97
56) Ethyl methacrylate	10.52	69	25612	10.436	ug/l	93
57) 1,3-Dichloropropane	10.80	76	32394	10.861	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.79	63	67963	68.263	ug/l	100
59) 2-Hexanone	10.84	43	67442	55.956	ug/l	99
60) Dibromochloromethane	10.99	129	18336	10.359	ug/l	98
61) 1,2-Dibromoethane	11.10	107	16987	10.792	ug/l	97
64) Tetrachloroethene	10.72	164	19263	10.832	ug/l	88
65) Chlorobenzene	11.52	112	58745	10.439	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.60	131	19012	10.359	ug/l	97
67) Ethyl Benzene	11.60	91	109434	10.406	ug/l	98
68) m/p-Xylenes	11.70	106	82006	21.071	ug/l	100
69) o-Xylene	12.03	106	37708	10.301	ug/l	98
70) Styrene	12.05	104	64487	10.185	ug/l	100
71) Bromoform	12.21	173	10213	10.173	ug/l #	99
73) Isopropylbenzene	12.33	105	104632	10.445	ug/l	99
74) N-amyl acetate	12.15	43	32753	10.663	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.59	83	23364	10.820	ug/l	97
76) 1,2,3-Trichloropropane	12.64	75	18383m	7.254	ug/l	
77) Bromobenzene	12.61	156	22291	10.480	ug/l	99
78) n-propylbenzene	12.67	91	128861	10.430	ug/l	100
79) 2-Chlorotoluene	12.76	91	72130	10.555	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	85680	10.445	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.38	75	7944	10.247	ug/l	97
82) 4-Chlorotoluene	12.86	91	73687	10.411	ug/l	99
83) tert-Butylbenzene	13.08	119	73352	10.703	ug/l	96
84) 1,2,4-Trimethylbenzene	13.13	105	85964	10.482	ug/l	99
85) sec-Butylbenzene	13.26	105	106205	10.494	ug/l	100
86) p-Isopropyltoluene	13.38	119	92747	10.671	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	45623	10.918	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	45083	10.732	ug/l	96
89) n-Butylbenzene	13.70	91	94814	10.575	ug/l	99
90) Hexachloroethane	13.97	117	16735	10.277	ug/l	98
91) 1,2-Dichlorobenzene	13.74	146	40407	10.720	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	3700	11.014	ug/l	94

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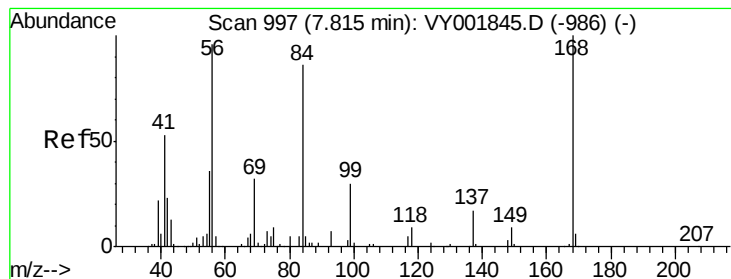
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	26918	10.944	ug/l	97
94) Hexachlorobutadiene	15.12	225	13068	10.923	ug/l	97
95) Naphthalene	15.24	128	63253	10.935	ug/l	100
96) 1,2,3-Trichlorobenzene	15.43	180	24114	11.098	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: VY001843.D

Acq: 04 Mar 2020 10:50

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion:168 Resp: 177916

Ion Ratio Lower Upper

168 100

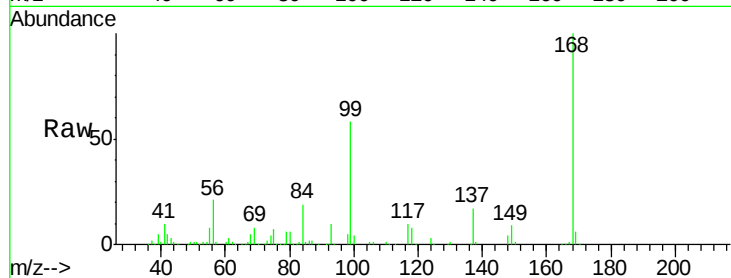
99 57.6 46.7 70.1

Manual Integrations

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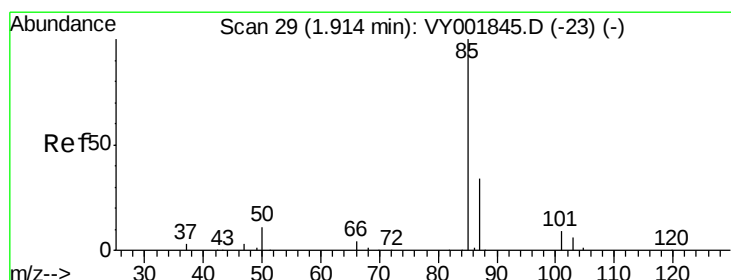
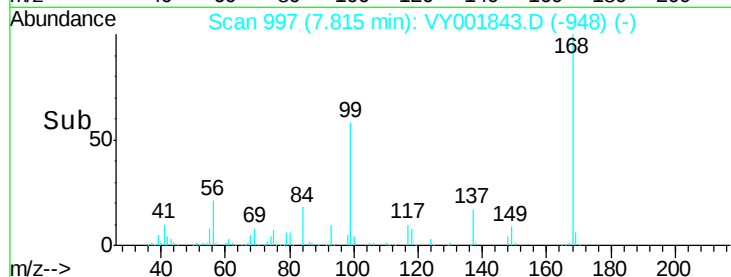
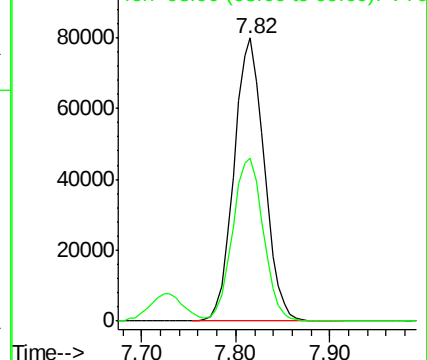
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Abundance Ion 167.90 (167.60 to 168.60): VY001845.D (-986) (-)

Ion 98.90 (98.60 to 99.60): VY001845.D (-986) (-)



#2

Dichlorodifluoromethane

Concen: 10.540 ug/l

RT: 1.91 min Scan# 29

Delta R.T. 0.00 min

Lab File: VY001843.D

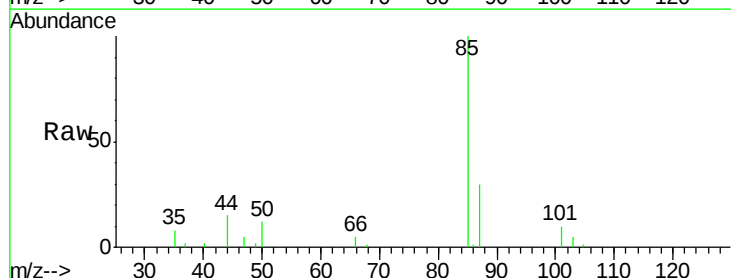
Acq: 04 Mar 2020 10:50

Tgt Ion: 85 Resp: 17040

Ion Ratio Lower Upper

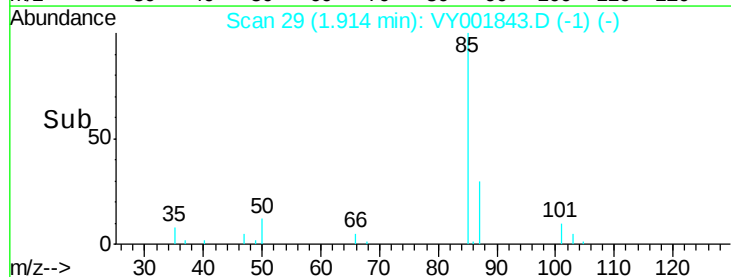
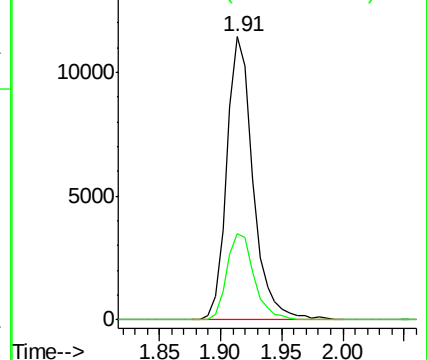
85 100

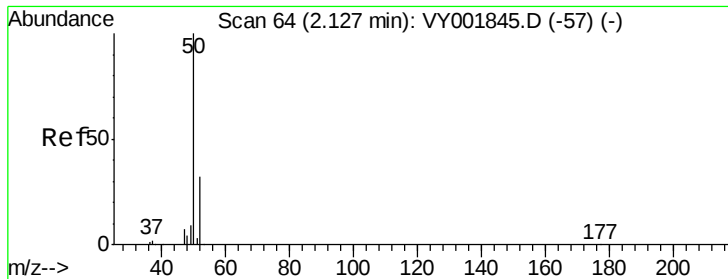
87 30.5 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VY001845.D (-23) (-)

Ion 86.90 (86.60 to 87.60): VY001845.D (-23) (-)





#3

Chloromethane

Concen: 10.796 ug/l

RT: 2.13 min Scan# 64

Delta R.T. 0.00 min

Lab File: VY001843.D

Acq: 04 Mar 2020 10:50

Tot Ion: 50 Resp: 23326

Ion Ratio Lower Upper

50 100

52 31.4 25.8 38.6

Instrument :

MSVOA_Y

ClientSampleId :

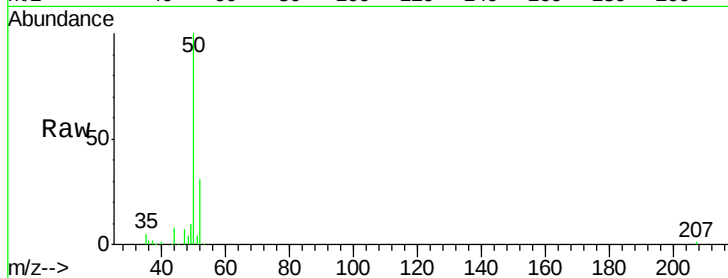
VSTDIC010

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0

2.13

15000

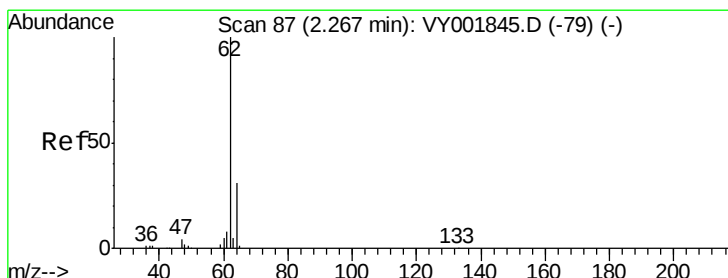
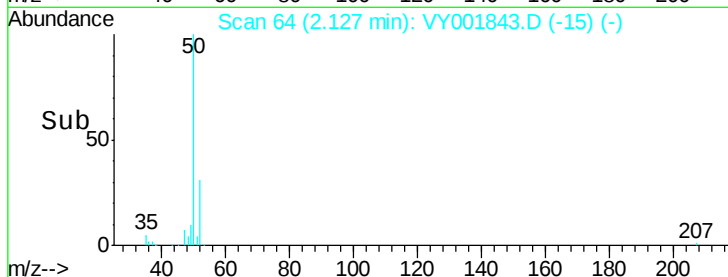
10000

5000

0

Time-->

2.05 2.10 2.15 2.20



#4

Vinyl Chloride

Concen: 10.549 ug/l

RT: 2.27 min Scan# 87

Delta R.T. 0.00 min

Lab File: VY001843.D

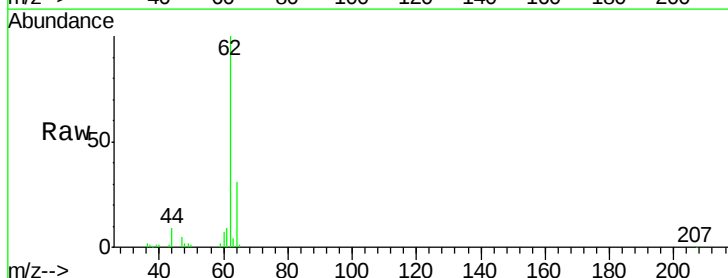
Acq: 04 Mar 2020 10:50

Tgt Ion: 62 Resp: 23256

Ion Ratio Lower Upper

62 100

64 30.8 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0

2.27

15000

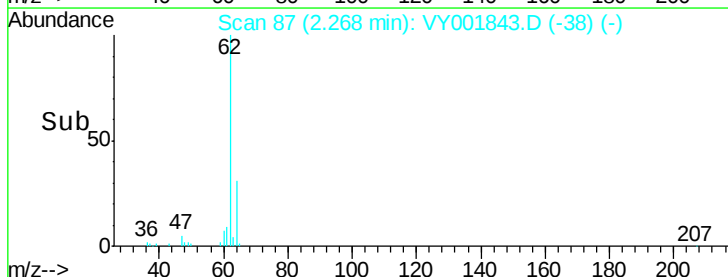
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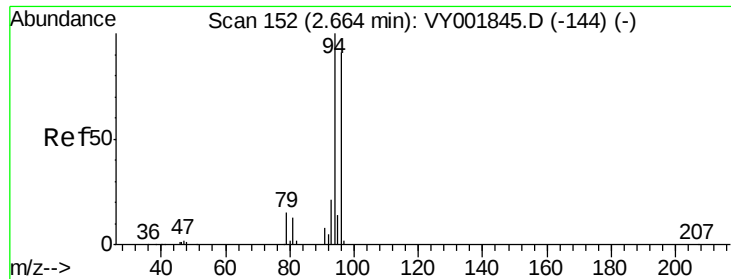
5000

0

Time-->

2.20 2.25 2.30 2.35





#5

Bromomethane

Concen: 11.012 ug/l

RT: 2.67 min Scan# 153

Delta R.T. 0.01 min

Lab File: VY001843.D

Acq: 04 Mar 2020 10:50

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion: 94 Resp: 15906

Ion Ratio Lower Upper

94 100

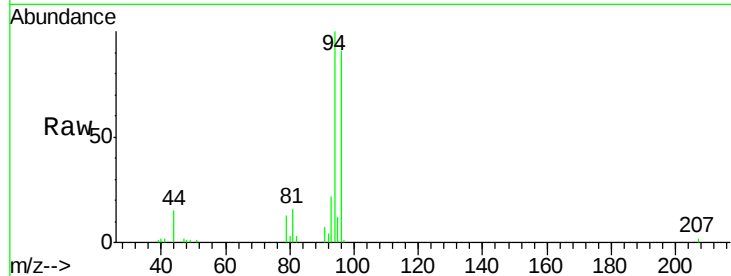
96 91.2 73.2 109.8

Manual Integrations

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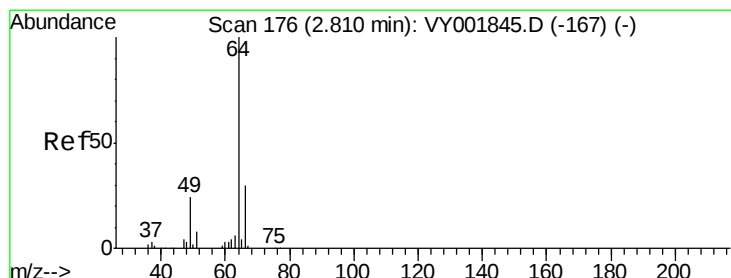
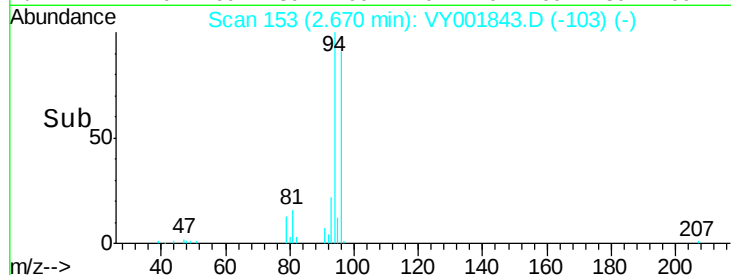
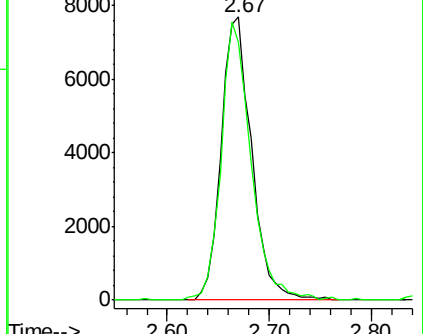
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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 10.801 ug/l

RT: 2.81 min Scan# 176

Delta R.T. 0.00 min

Lab File: VY001843.D

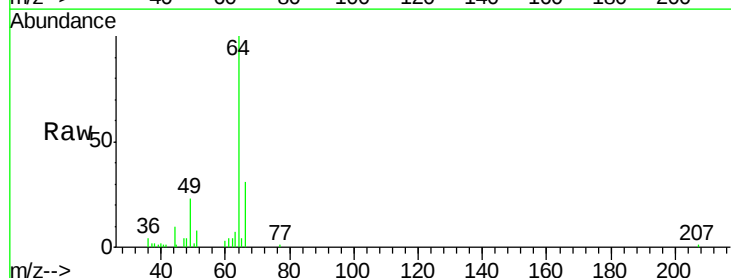
Acq: 04 Mar 2020 10:50

Tgt Ion: 64 Resp: 15085

Ion Ratio Lower Upper

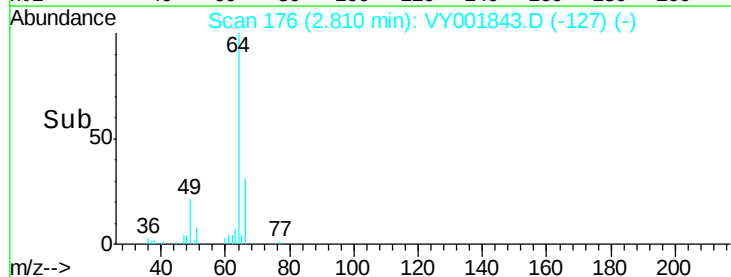
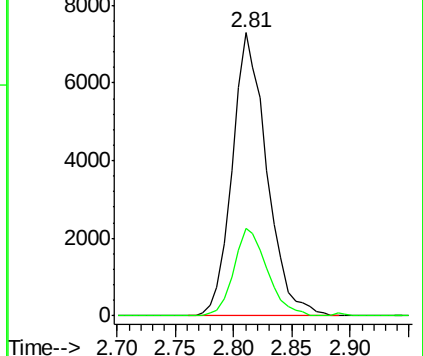
64 100

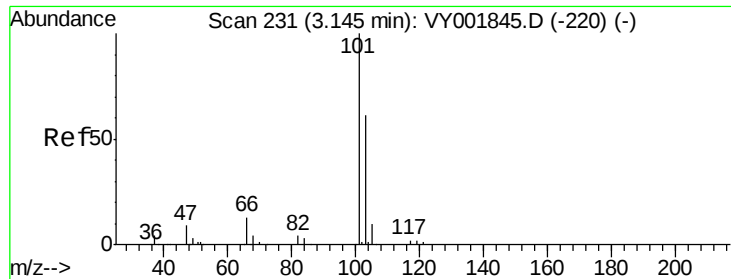
66 30.8 23.8 35.8



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

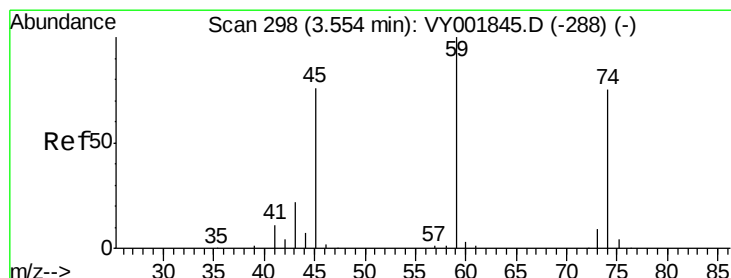
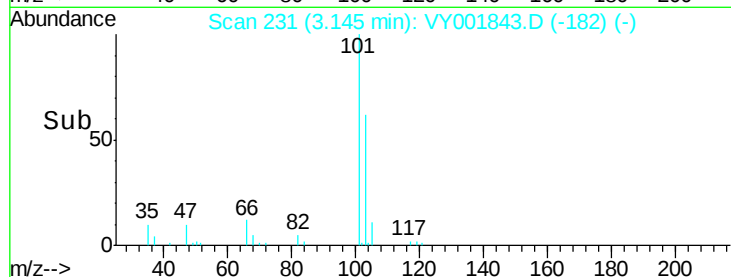
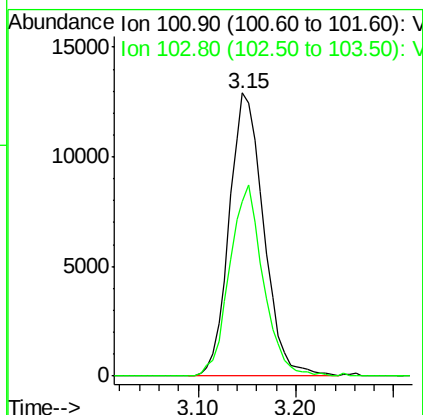
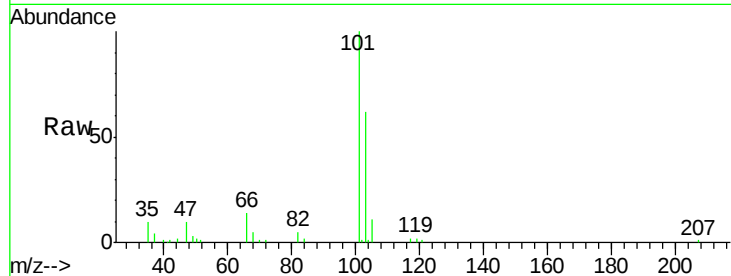
Trichlorofluoromethane
Concen: 10.383 ug/l
RT: 3.15 min Scan# 231
Delta R.T. 0.00 min
Lab File: VY001843.D
Acq: 04 Mar 2020 10:50

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Tot Ion	Ratio	Lower	Upper
101	100		
103	61.7	49.1	73.7

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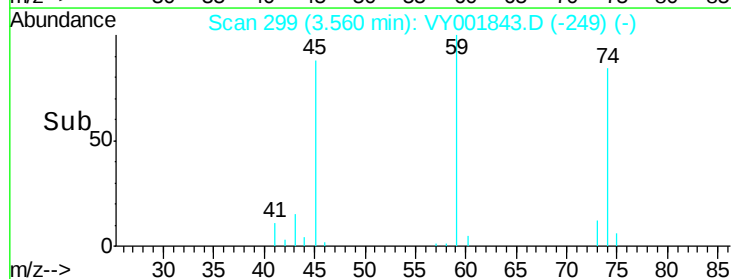
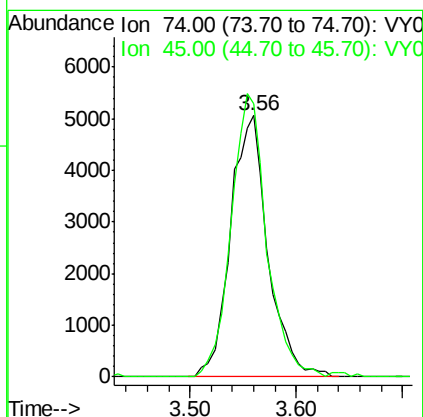
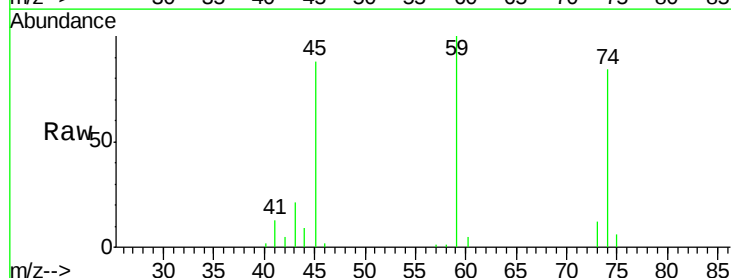
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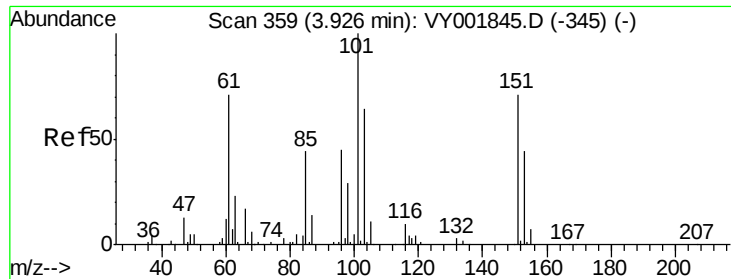


#8

Diethyl Ether
Concen: 10.564 ug/l
RT: 3.56 min Scan# 299
Delta R.T. 0.01 min
Lab File: VY001843.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.0	50.5	151.5





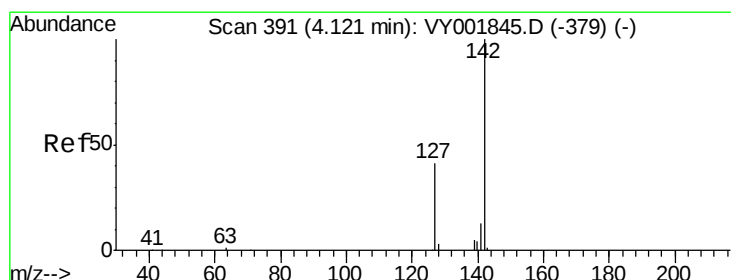
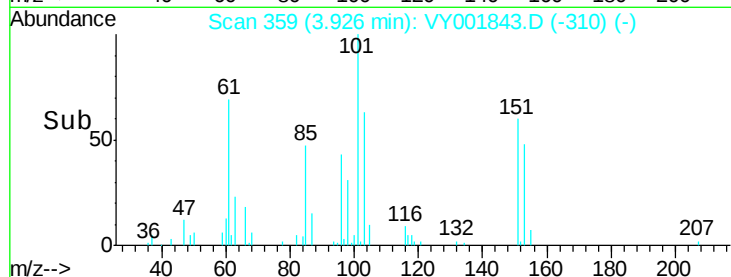
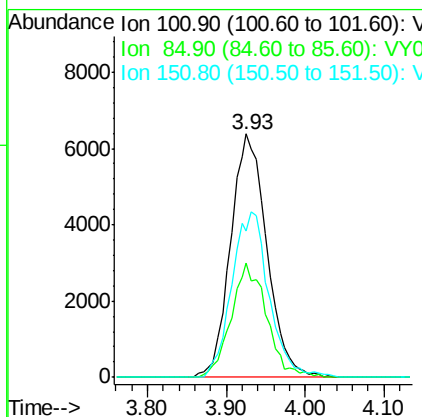
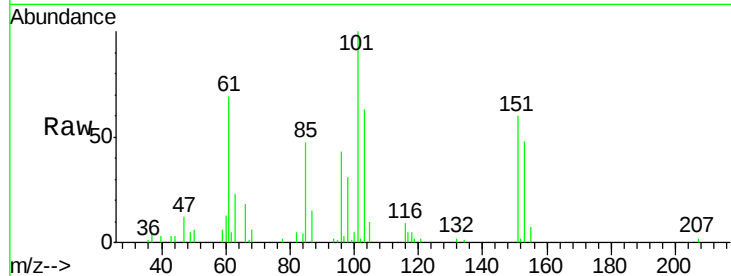
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.572 ug/l
 RT: 3.93 min Scan# 359
 Delta R.T. 0.00 min
 Lab File: VY001843.D
 Acq: 04 Mar 2020 10:50

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
101	100		
85	45.7	35.3	52.9
151	69.9	57.0	85.4

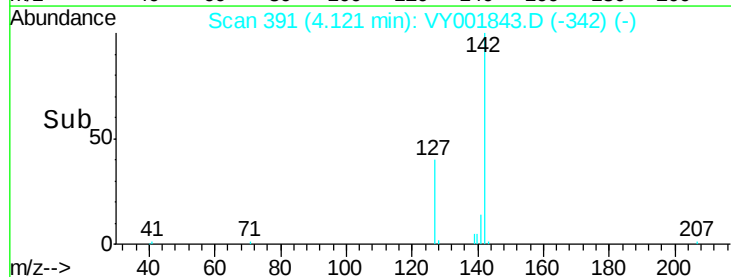
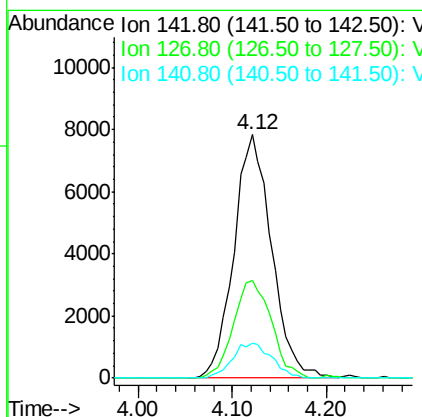
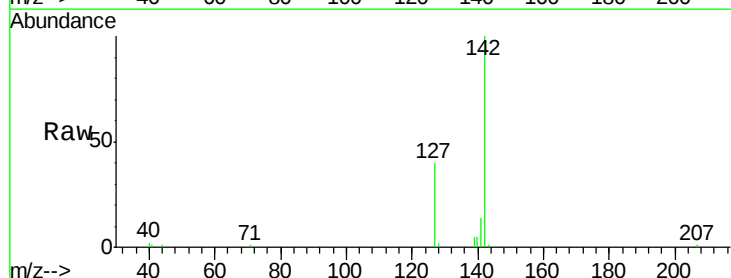
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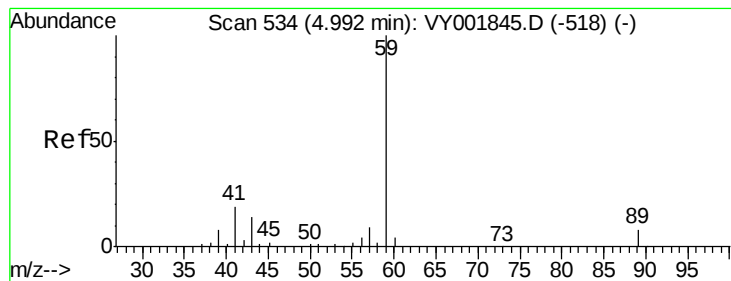
MMDadoda
 3/5/2020 1:37:06 PM



#10
 Methyl Iodide
 Concen: 9.718 ug/l
 RT: 4.12 min Scan# 391
 Delta R.T. 0.00 min
 Lab File: VY001843.D
 Acq: 04 Mar 2020 10:50

Tgt Ion	Ratio	Lower	Upper
142	100		
127	40.4	32.7	49.1
141	15.0	11.0	16.6





#11

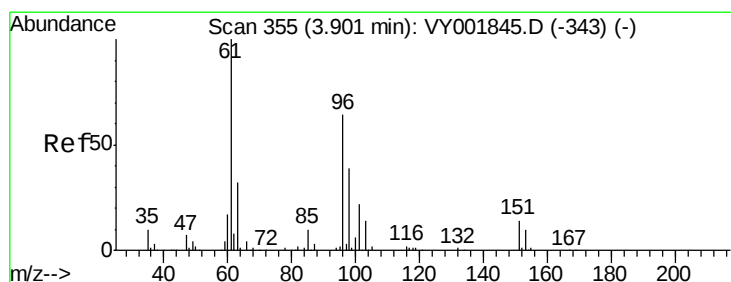
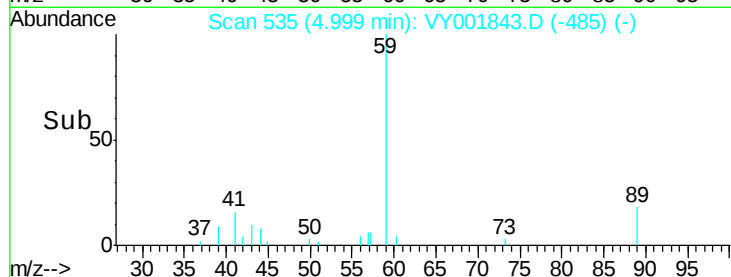
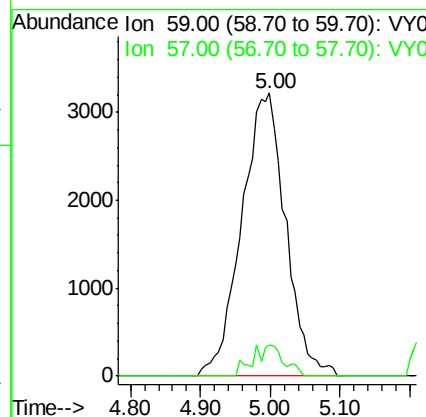
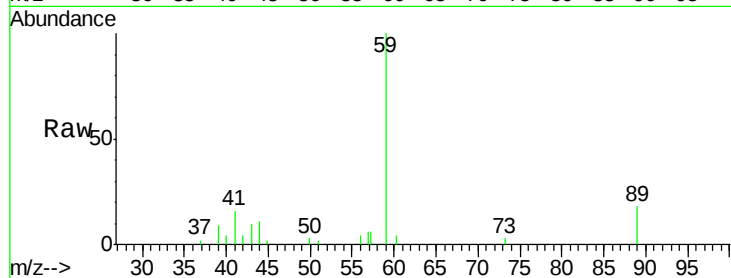
Tert butyl alcohol
Concen: 64.180 ug/l
RT: 5.00 min Scan# 535
Delta R.T. 0.01 min
Lab File: VY001843.D
Acq: 04 Mar 2020 10:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	59	57	Ratio	100	7.7	Resp	14016	Lower	Upper
59	100								
57		7.7						7.4	11.2

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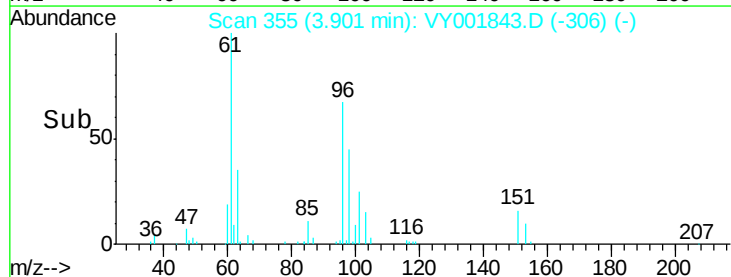
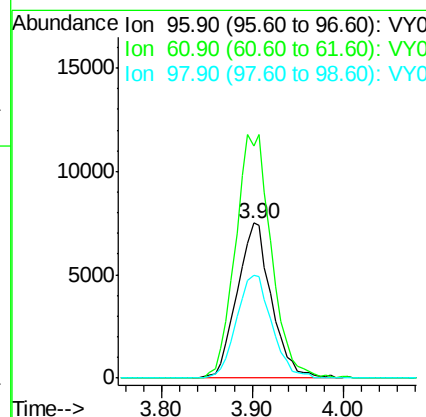
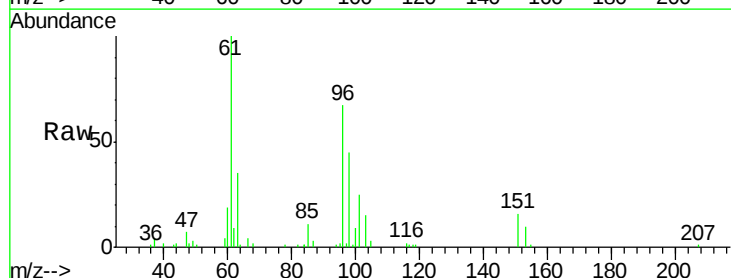
MMDadoda
3/5/2020 1:37:06 PM

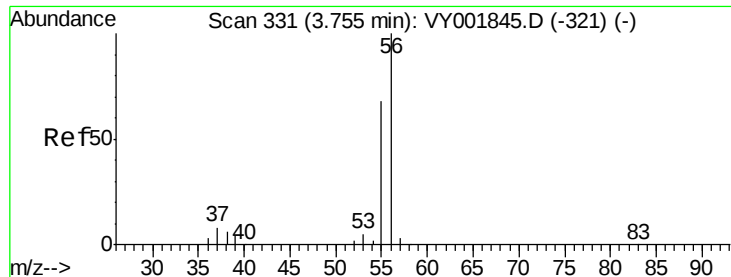


#12

1,1-Dichloroethene
Concen: 10.150 ug/l
RT: 3.90 min Scan# 355
Delta R.T. 0.00 min
Lab File: VY001843.D
Acq: 04 Mar 2020 10:50

Tgt Ion	96	61	98	Ratio	100	149.7	66.7	Resp	19747	Lower	Upper
96	100										
61		149.7								124.8	187.2
98		66.7								49.2	73.8





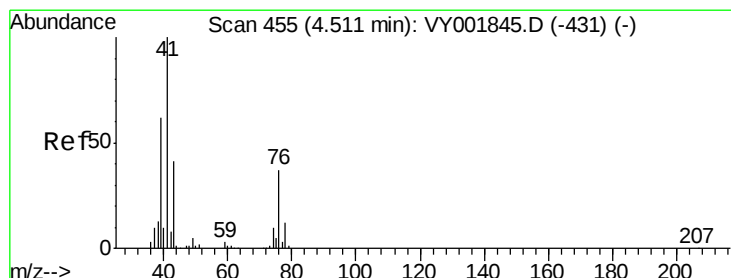
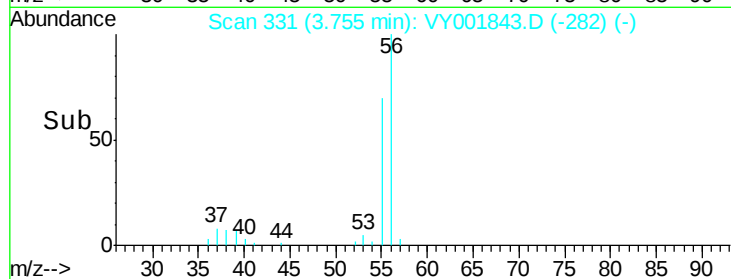
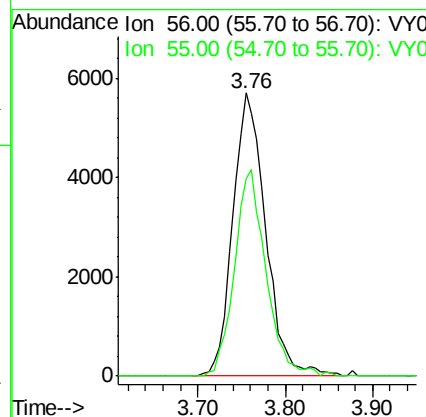
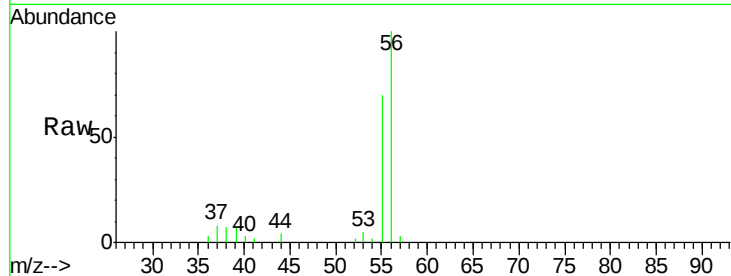
#13
Acrolein
Concen: 56.155 ug/l
RT: 3.76 min Scan# 331
Delta R.T. 0.00 min
Lab File: VY001843.D
Acq: 04 Mar 2020 10:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	56	55	Ratio	Lower	Upper
14857	100	69.9		54.0	81.0

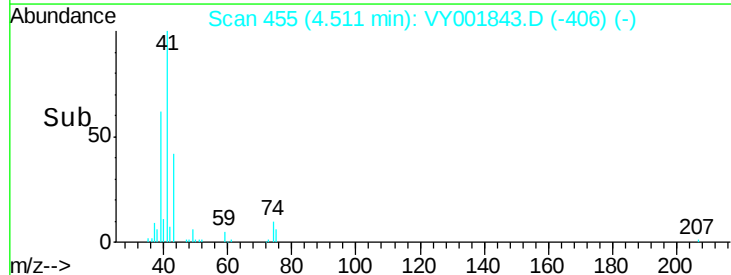
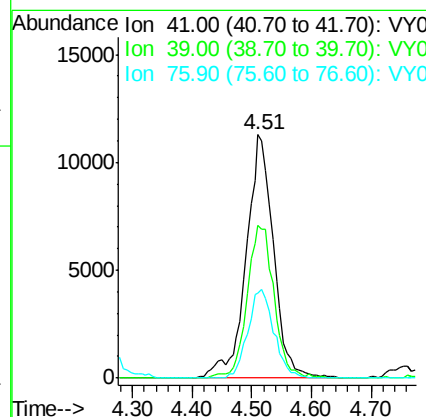
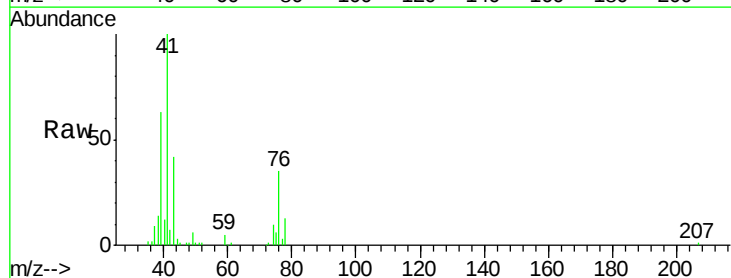
Manual Integrations
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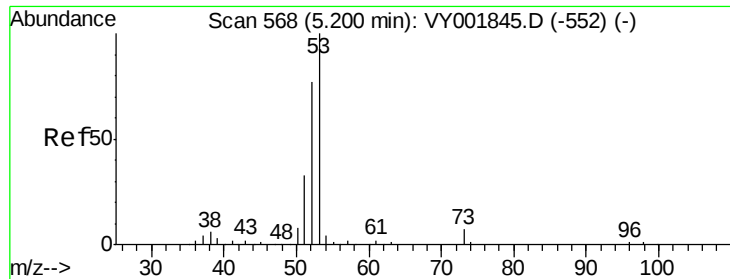
MMDadoda
3/5/2020 1:37:06 PM



#14
Allyl chloride
Concen: 10.367 ug/l
RT: 4.51 min Scan# 455
Delta R.T. 0.00 min
Lab File: VY001843.D
Acq: 04 Mar 2020 10:50

Tgt Ion	41	39	76	Ratio	Lower	Upper
36077	100	61.3	34.6		49.0	73.6
					28.9	43.3





#15

Acrylonitrile

Concen: 53.898 ug/l

RT: 5.21 min Scan# 569

Delta R.T. 0.01 min

Lab File: VY001843.D

Acq: 04 Mar 2020 10:50

Instrument :

MSVOA_Y

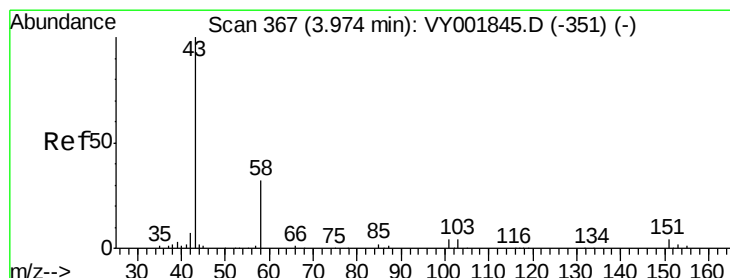
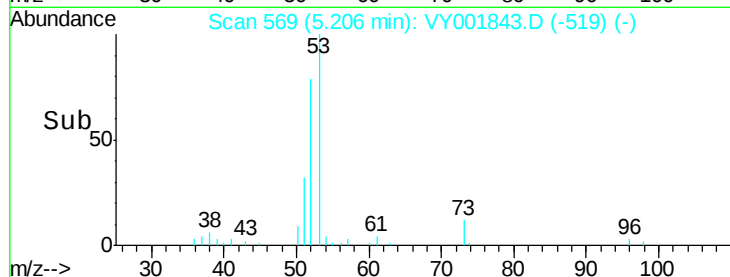
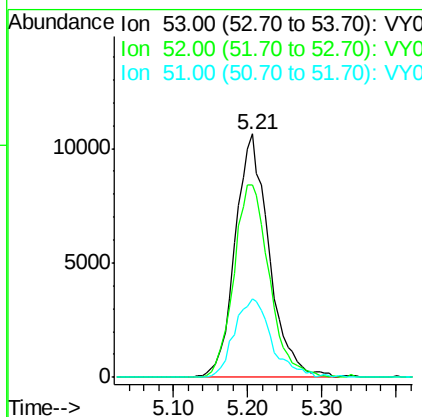
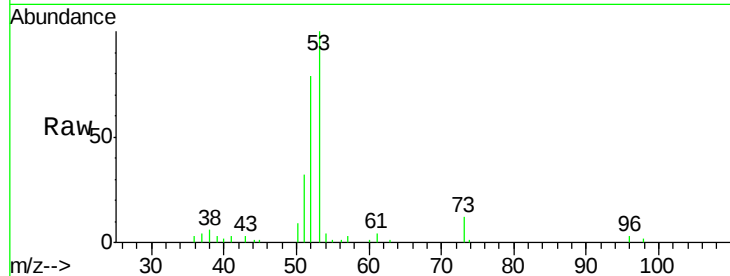
ClientSampleId :

VSTDIC010

Tot Ion:	53	Resp:	33974
Ion	Ratio	Lower	Upper
53	100		
52	82.5	65.1	97.7
51	35.2	27.5	41.3

Manual Integrations
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#16

Acetone

Concen: 54.356 ug/l

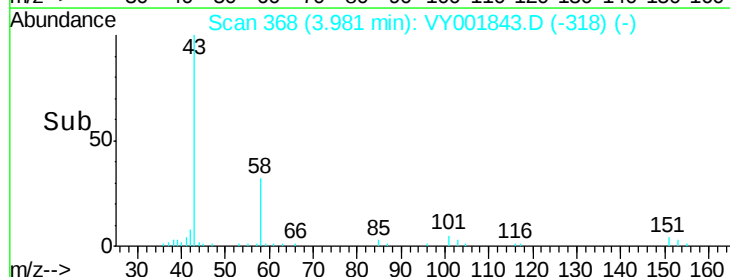
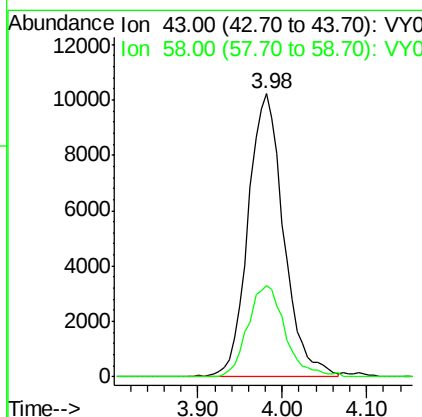
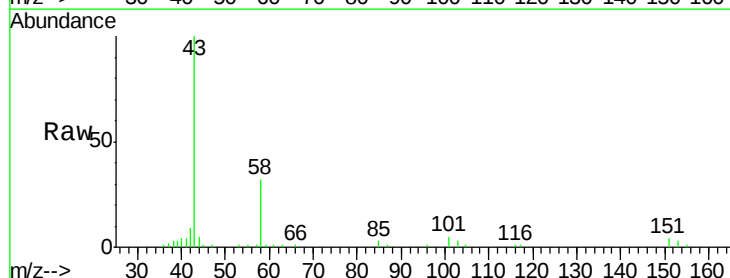
RT: 3.98 min Scan# 368

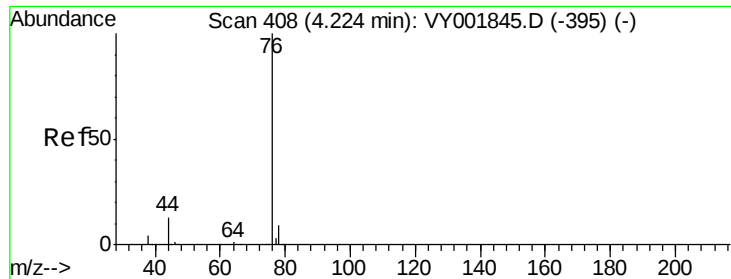
Delta R.T. 0.01 min

Lab File: VY001843.D

Acq: 04 Mar 2020 10:50

Tgt Ion:	43	Resp:	29410
Ion	Ratio	Lower	Upper
43	100		
58	32.2	25.9	38.9





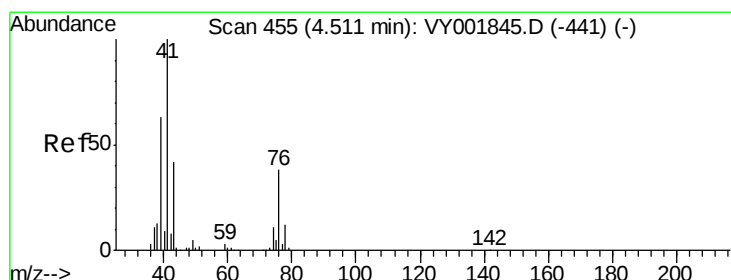
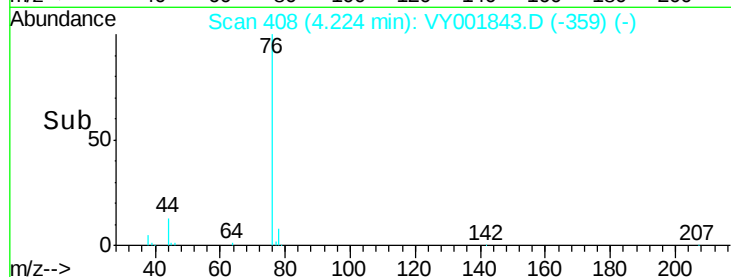
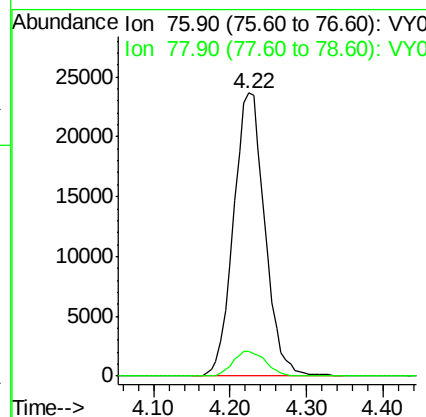
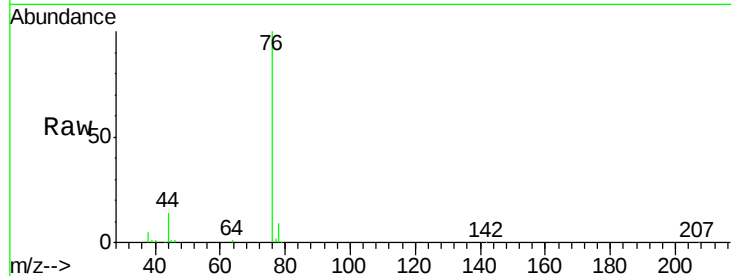
#17
Carbon Disulfide
Concen: 10.287 ug/l
RT: 4.22 min Scan# 408
Delta R.T. 0.00 min
Lab File: VY001843.D
Acq: 04 Mar 2020 10:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion: 76 Resp: 67019
Ion Ratio Lower Upper
76 100
78 8.9 7.4 11.2

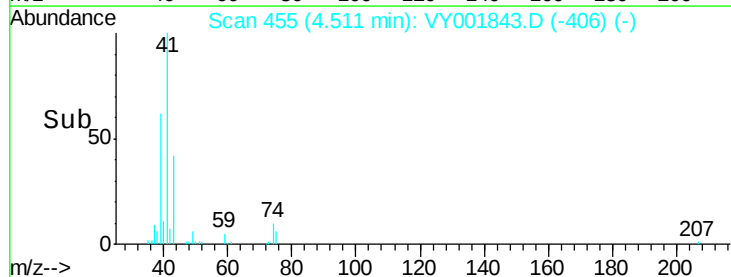
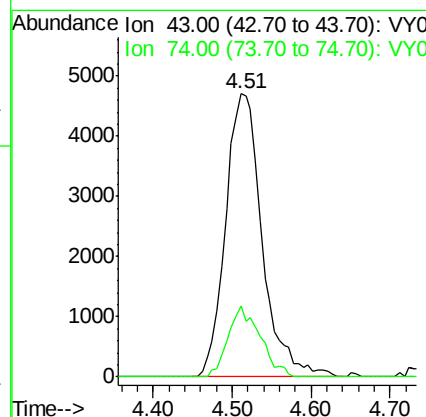
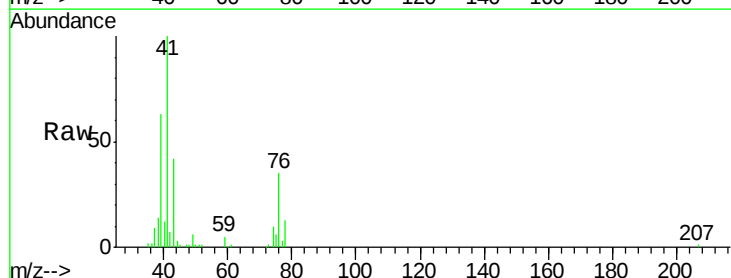
Manual Integrations
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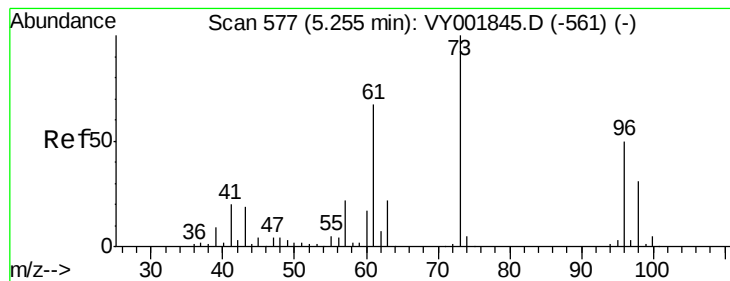
MMDadoda
3/5/2020 1:37:06 PM



#18
Methyl Acetate
Concen: 10.959 ug/l
RT: 4.51 min Scan# 455
Delta R.T. 0.00 min
Lab File: VY001843.D
Acq: 04 Mar 2020 10:50

Tgt Ion: 43 Resp: 15190
Ion Ratio Lower Upper
43 100
74 21.9 19.0 28.6





#19

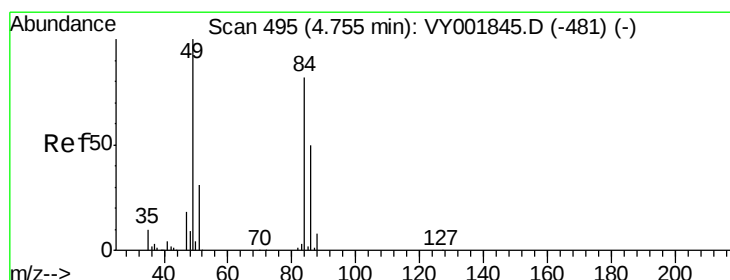
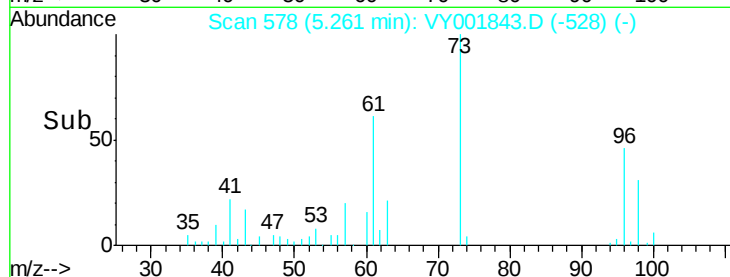
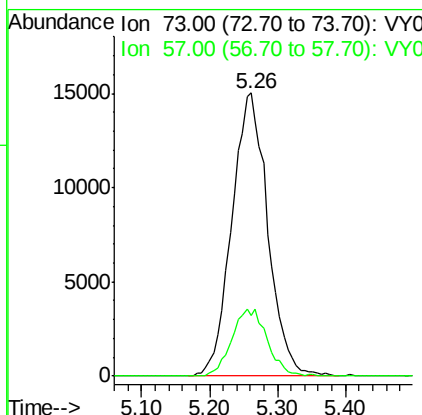
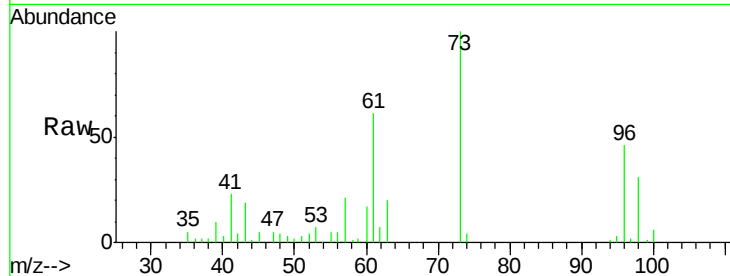
Methyl tert-butyl Ether
 Concen: 10.449 ug/l
 RT: 5.26 min Scan# 578
 Delta R.T. 0.01 min
 Lab File: VY001843.D
 Acq: 04 Mar 2020 10:50

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Tot Ion: 73 Resp: 55075
 Ion Ratio Lower Upper
 73 100
 57 21.3 17.4 26.2

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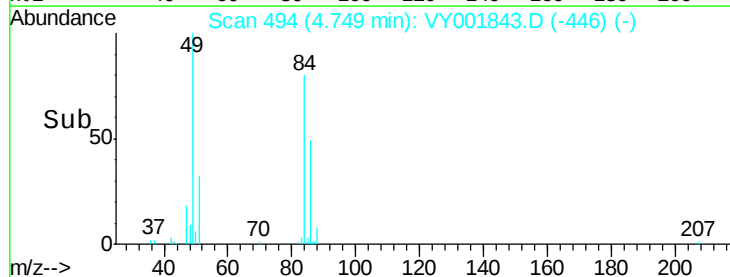
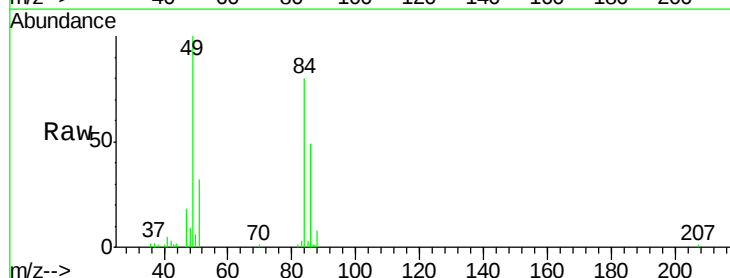
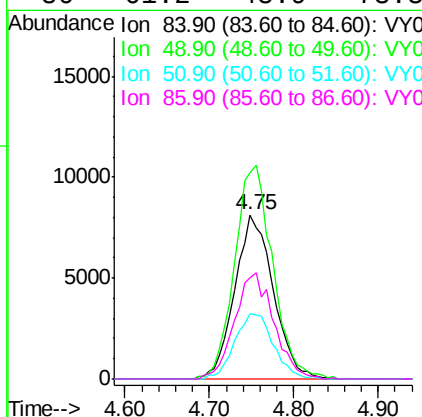
MMDadoda
 3/5/2020 1:37:06 PM



#20

Methylene Chloride
 Concen: 10.795 ug/l
 RT: 4.75 min Scan# 494
 Delta R.T. -0.01 min
 Lab File: VY001843.D
 Acq: 04 Mar 2020 10:50

Tgt Ion: 84 Resp: 25308
 Ion Ratio Lower Upper
 84 100
 49 125.4 98.2 147.2
 51 39.7 30.2 45.2
 86 61.2 48.9 73.3





#21

trans-1,2-Dichloroethene

Concen: 10.268 ug/l

RT: 5.25 min Scan# 577

Delta R.T. 0.00 min

Lab File: VY001843.D

Acq: 04 Mar 2020 10:50

Instrument :

MSVOA_Y

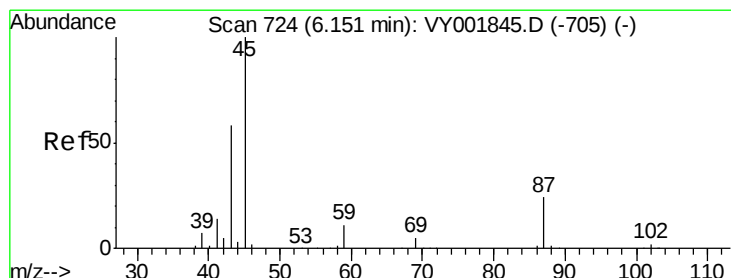
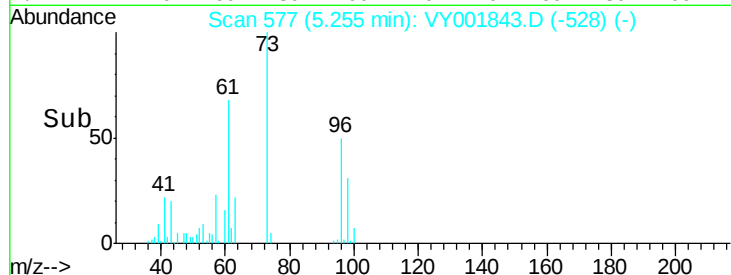
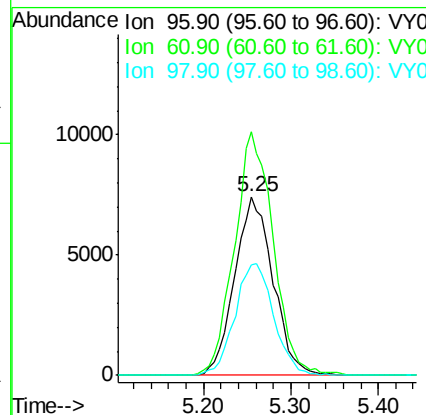
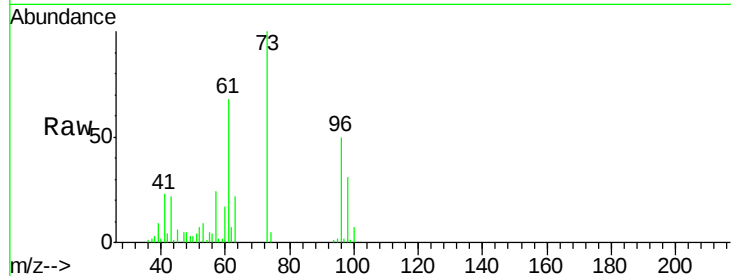
ClientSampleId :

VSTDIC010

Tot Ion	96	Resp	22593
Ion	Ratio	Lower	Upper
96	100		
61	136.5	107.7	161.5
98	61.8	49.3	73.9

Manual Integrations
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#22

Diisopropyl ether

Concen: 10.789 ug/l

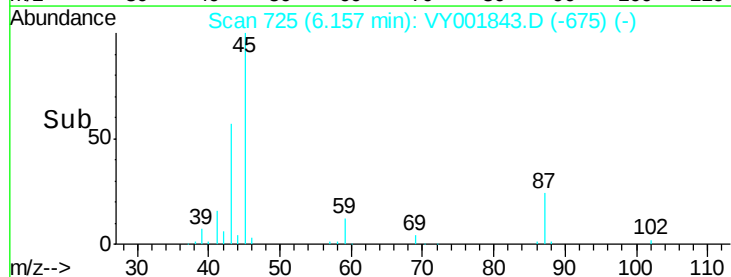
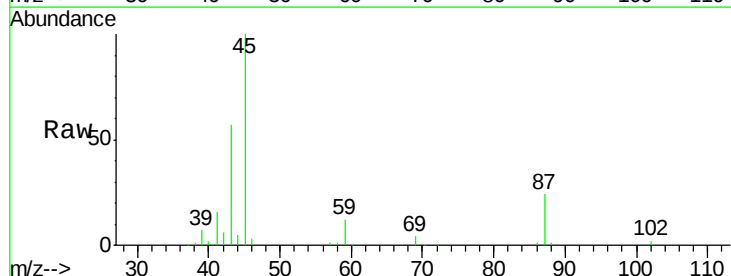
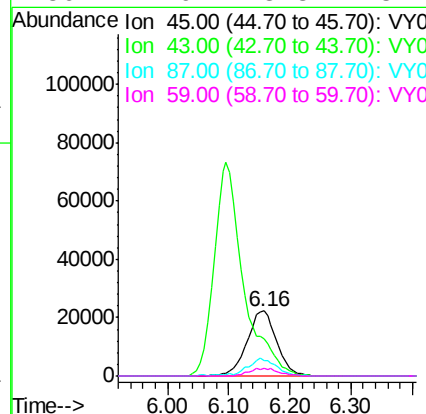
RT: 6.16 min Scan# 725

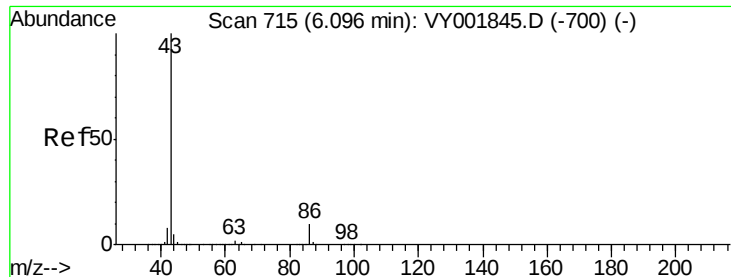
Delta R.T. 0.01 min

Lab File: VY001843.D

Acq: 04 Mar 2020 10:50

Tgt Ion	45	Resp	75772
Ion	Ratio	Lower	Upper
45	100		
43	56.1	47.2	70.8
87	24.4	19.8	29.8
59	11.9	8.8	13.2





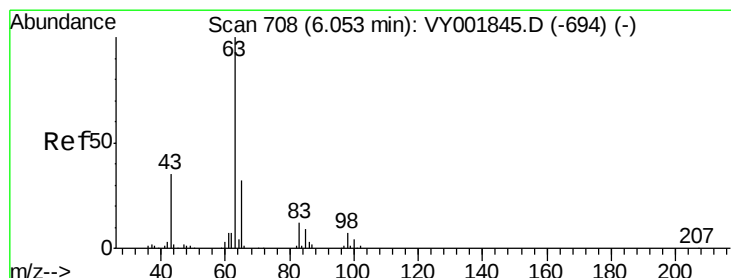
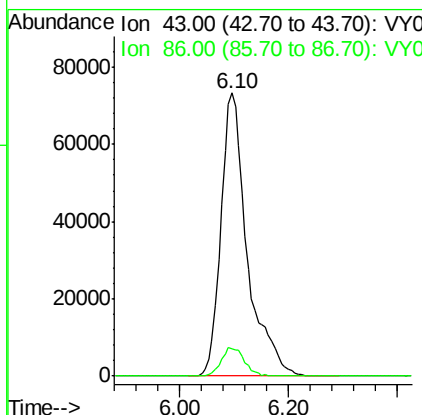
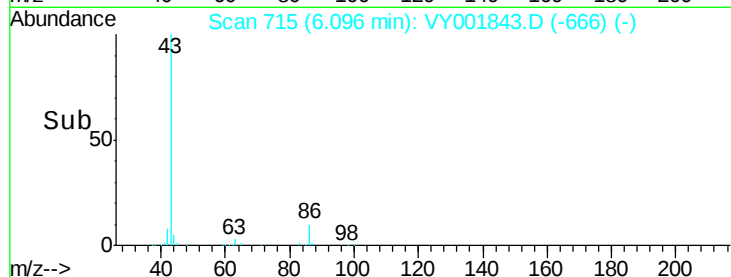
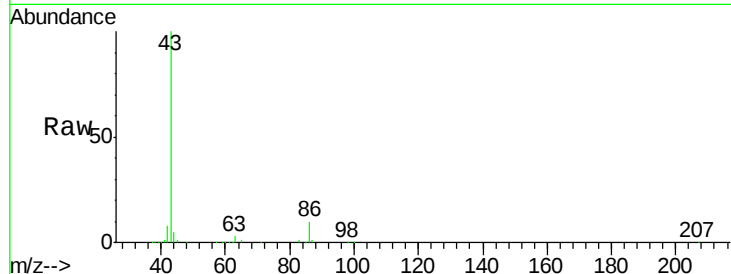
#23
 Vinyl Acetate
 Concen: 53.437 ug/l
 RT: 6.10 min Scan# 715
 Delta R.T. 0.00 min
 Lab File: VY001843.D
 Acq: 04 Mar 2020 10:50

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
86	9.9	7.8	11.8

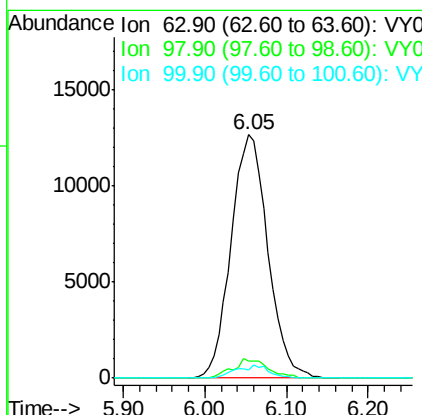
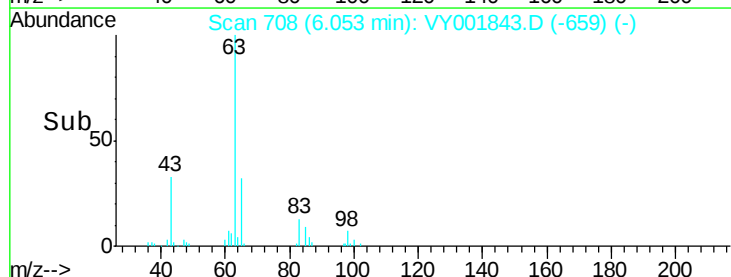
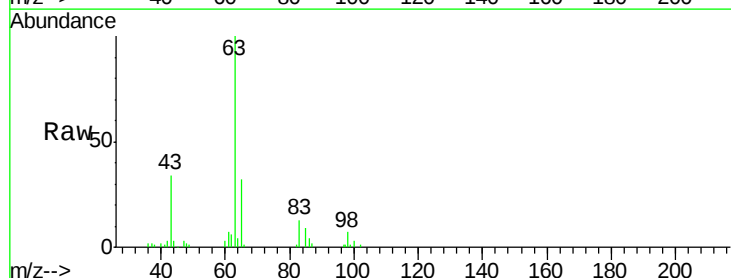
Manual Integrations
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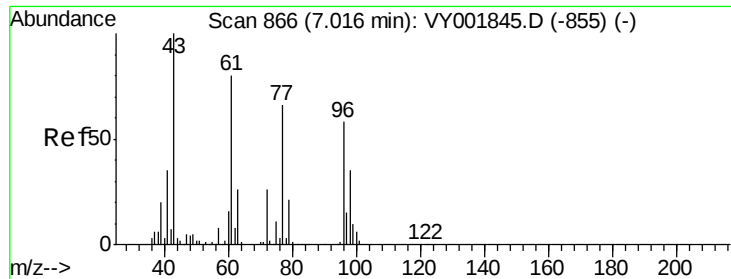
MMDadoda
 3/5/2020 1:37:06 PM



#24
 1,1-Dichloroethane
 Concen: 10.413 ug/l
 RT: 6.05 min Scan# 708
 Delta R.T. 0.00 min
 Lab File: VY001843.D
 Acq: 04 Mar 2020 10:50

Tgt Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.4	10.2
100	3.1	2.0	6.0





#25

2-Butanone

Concen: 54.651 ug/l

RT: 7.02 min Scan# 866

Delta R.T. 0.00 min

Lab File: VY001843.D

Acq: 04 Mar 2020 10:50

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 45547

Ion Ratio Lower Upper

43 100

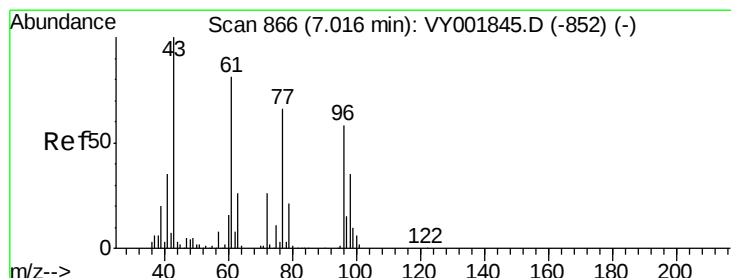
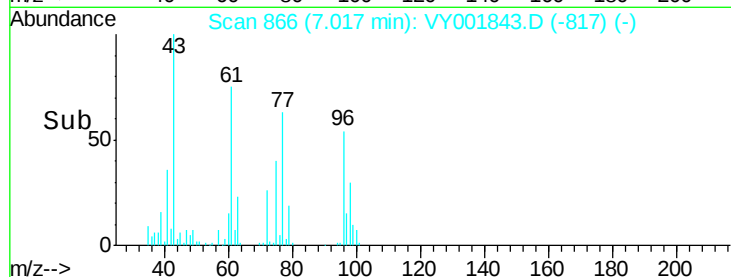
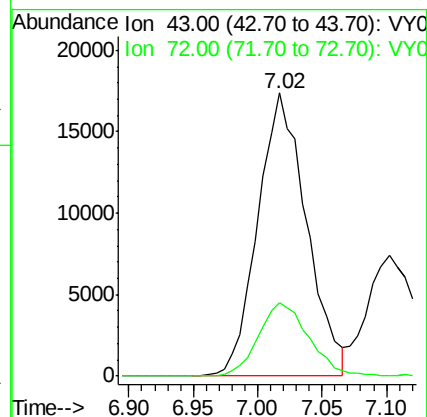
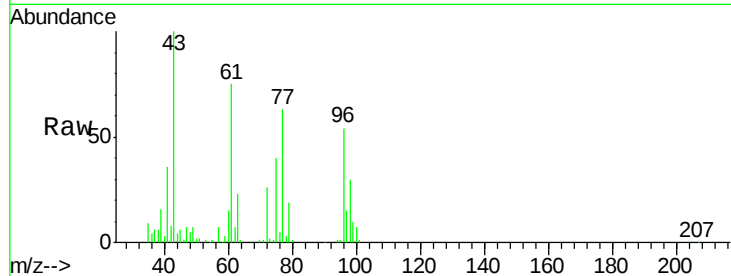
72 26.2 20.9 31.3

Manual Integrations

APPROVED

MMDadoda

3/5/2020 1:37:06 PM



#26

2,2-Dichloropropane

Concen: 10.321 ug/l

RT: 7.02 min Scan# 866

Delta R.T. 0.00 min

Lab File: VY001843.D

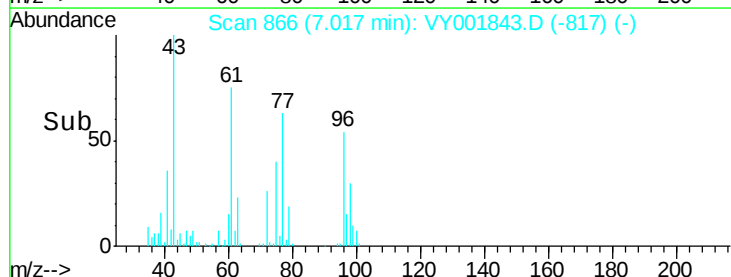
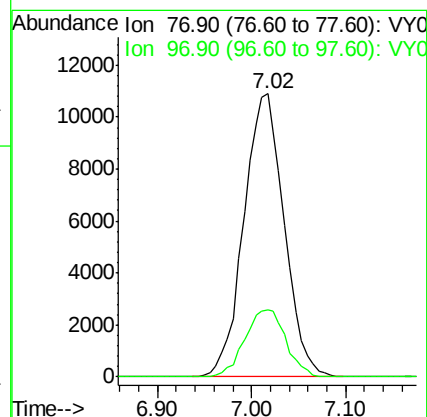
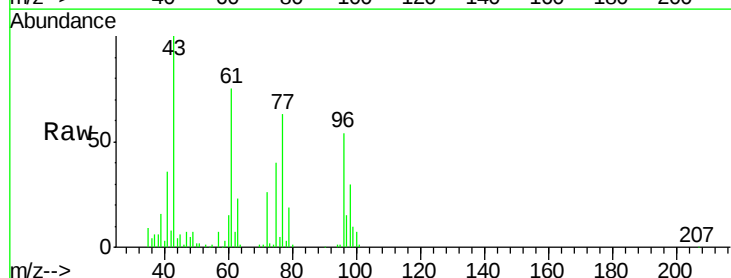
Acq: 04 Mar 2020 10:50

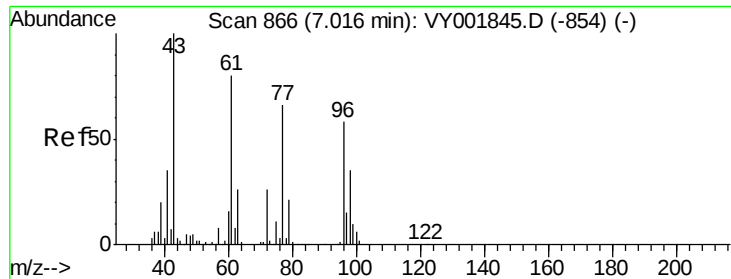
Tgt Ion: 77 Resp: 32595

Ion Ratio Lower Upper

77 100

97 24.2 11.9 35.7





#27

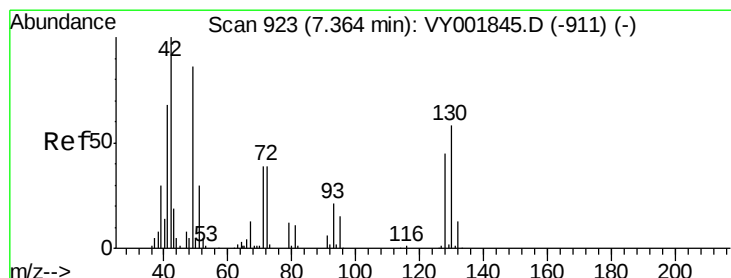
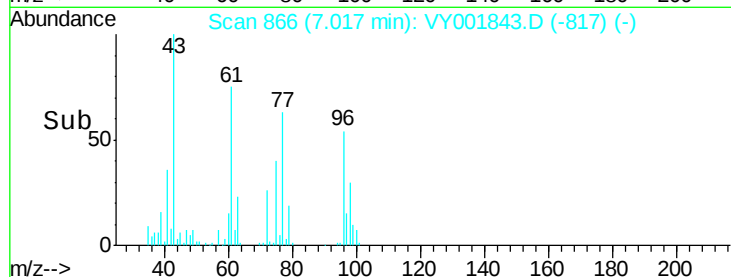
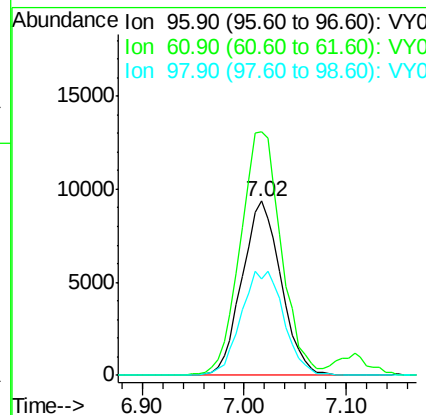
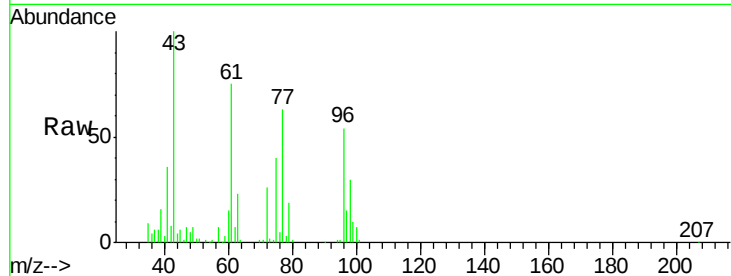
cis-1,2-Dichloroethene
Concen: 10.410 ug/l
RT: 7.02 min Scan# 866
Delta R.T. 0.00 min
Lab File: VY001843.D
Acq: 04 Mar 2020 10:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
96	100		
61	146.8	0.0	288.2
98	65.4	0.0	129.0

Manual Integrations
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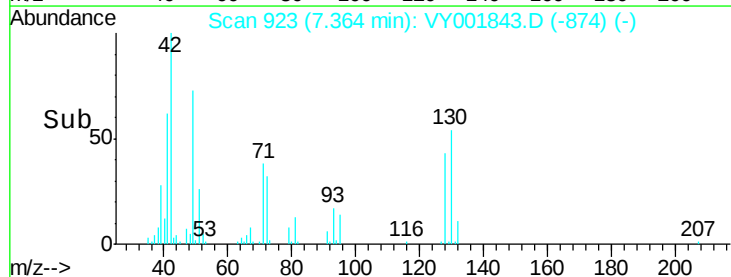
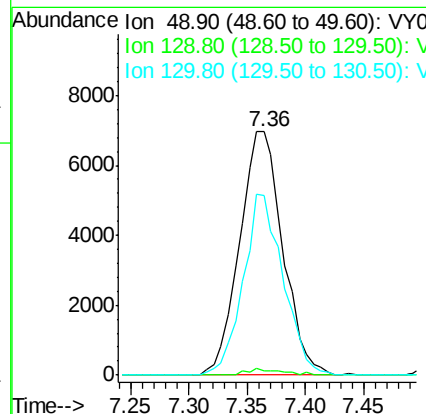
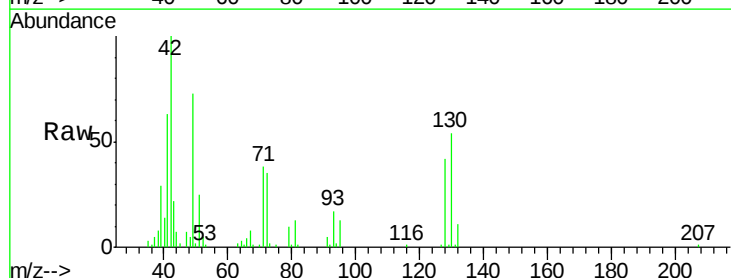
MMDadoda
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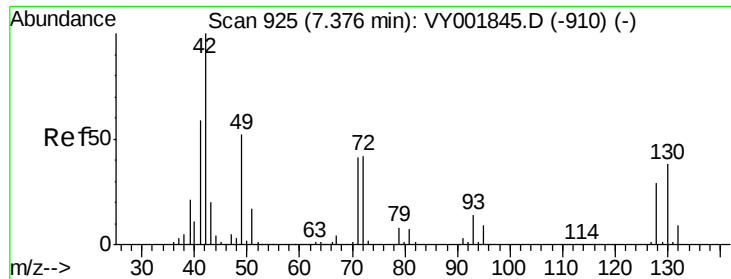


#28

Bromochloromethane
Concen: 10.311 ug/l
RT: 7.36 min Scan# 923
Delta R.T. 0.00 min
Lab File: VY001843.D
Acq: 04 Mar 2020 10:50

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	3.8
130	68.7	54.4	81.6





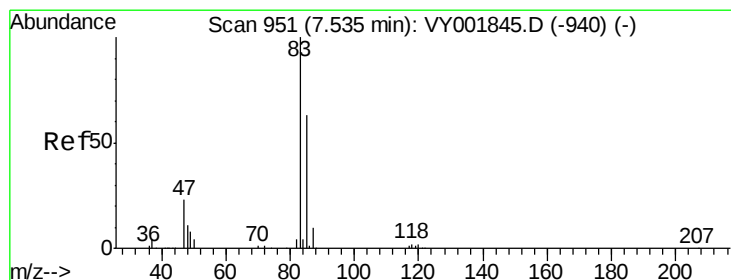
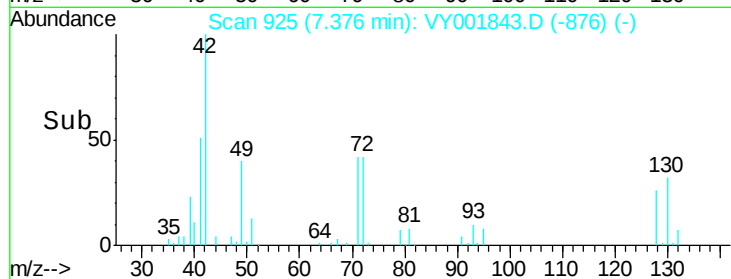
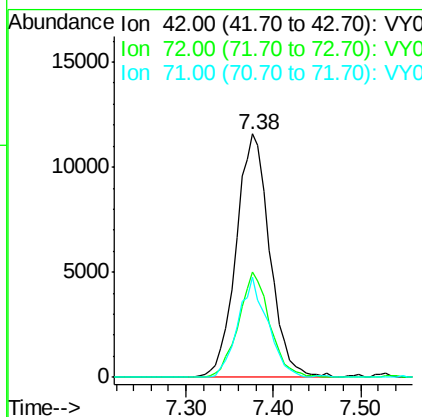
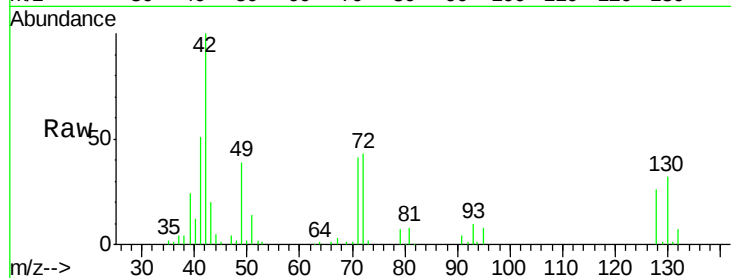
#29
Tetrahydrofuran
Concen: 56.406 ug/l
RT: 7.38 min Scan# 925
Delta R.T. 0.00 min
Lab File: VY001843.D
Acq: 04 Mar 2020 10:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.0	33.5	50.3
71	36.3	31.3	46.9

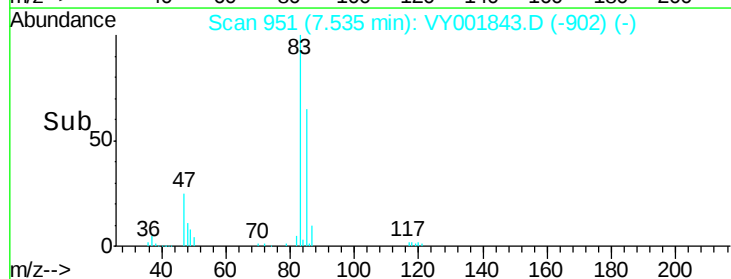
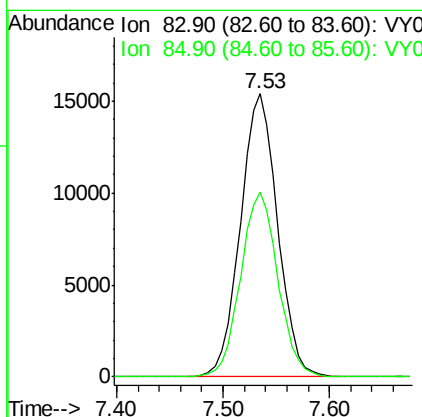
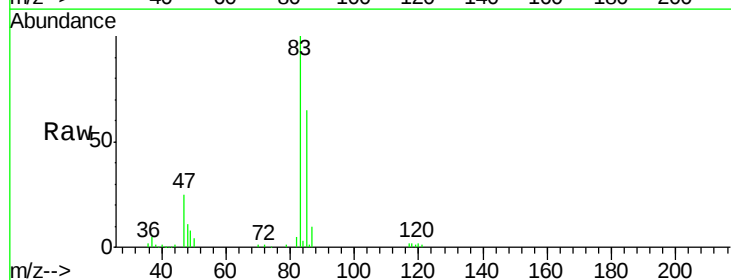
Manual Integrations
APPROVED

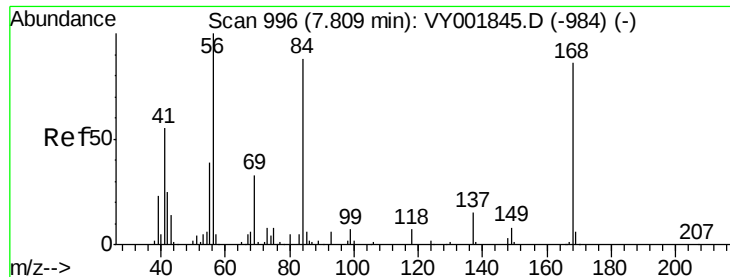
MMDadoda
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#30
Chloroform
Concen: 10.459 ug/l
RT: 7.53 min Scan# 951
Delta R.T. 0.00 min
Lab File: VY001843.D
Acq: 04 Mar 2020 10:50

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	50.7	76.1





#31

Cyclohexane

Concen: 10.613 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.00 min

Lab File: VY001843.D

Acq: 04 Mar 2020 10:50

Instrument :

MSVOA_Y

ClientSampled :

VSTDIC010

Tot Ion: 56 Resp: 43457

Ion Ratio Lower Upper

56 100

69 43.7 26.7 40.1#

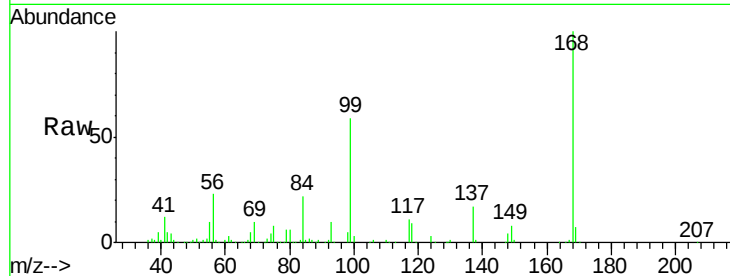
84 94.0 70.4 105.6

Manual Integrations

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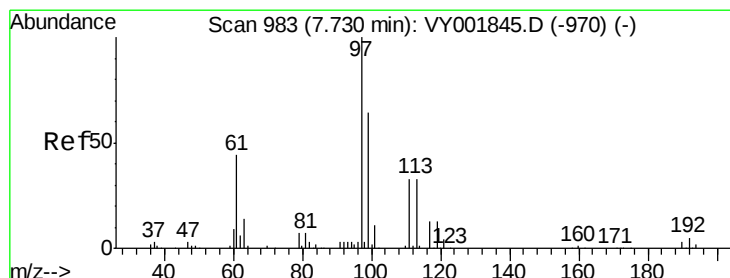
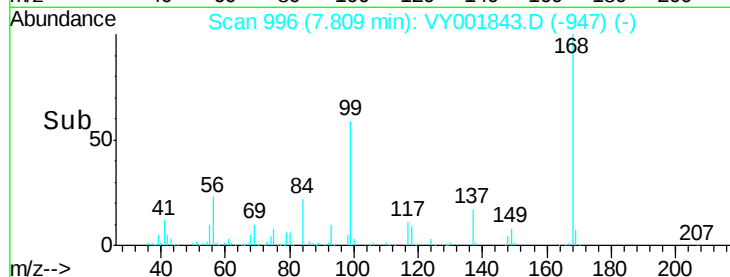
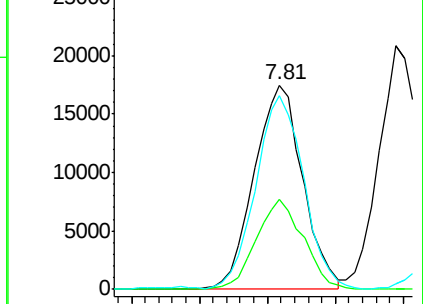
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Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0



#32

1,1,1-Trichloroethane

Concen: 10.423 ug/l

RT: 7.73 min Scan# 983

Delta R.T. 0.00 min

Lab File: VY001843.D

Acq: 04 Mar 2020 10:50

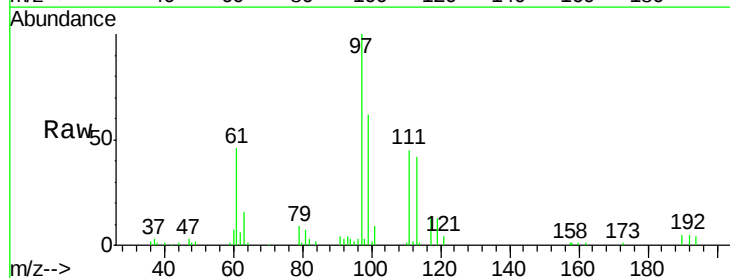
Tgt Ion: 97 Resp: 31721

Ion Ratio Lower Upper

97 100

99 62.8 52.0 78.0

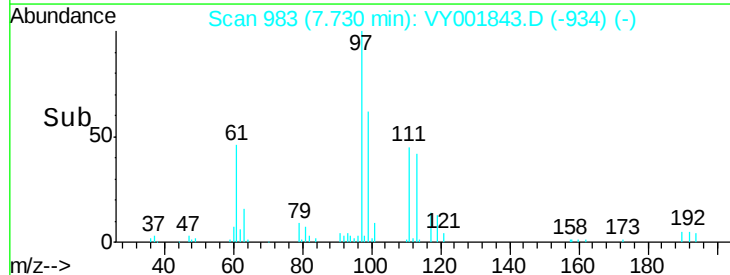
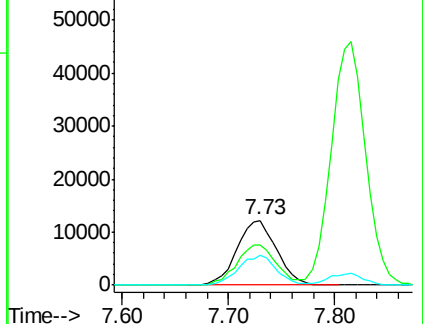
61 44.9 35.0 52.4

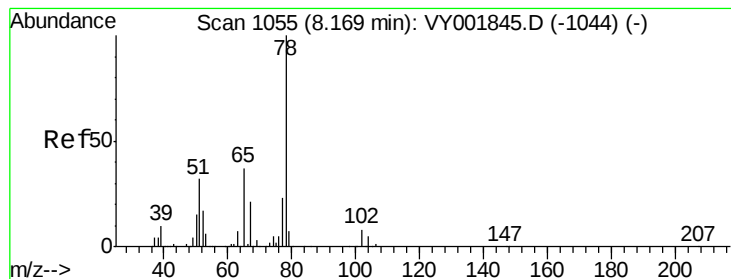


Abundance Ion 96.90 (96.60 to 97.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

Ion 60.90 (60.60 to 61.60): VY0





#33

1,2-Dichloroethane-d4

Concen: 10.855 ug/l

RT: 8.16 min Scan# 1054

Delta R.T. -0.01 min

Lab File: VY001843.D

Acq: 04 Mar 2020 10:50

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion: 65 Resp: 20566

Ion Ratio Lower Upper

65 100

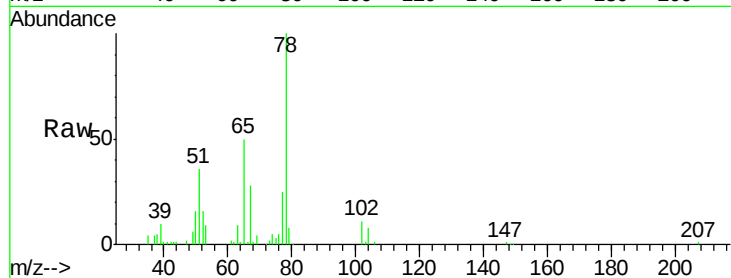
67 56.5 0.0 110.8

Manual Integrations

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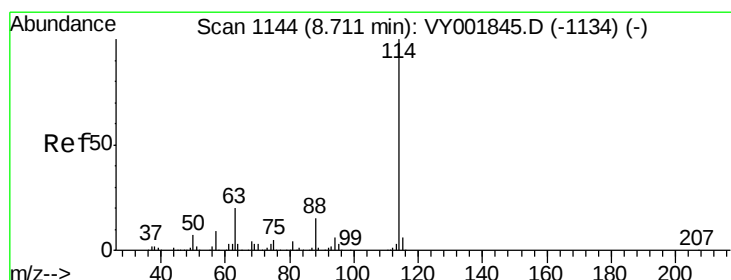
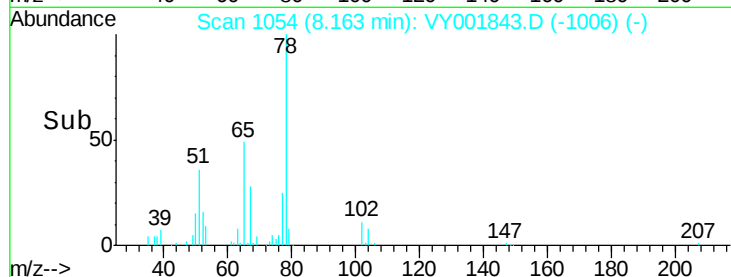


Abundance Ion 64.90 (64.60 to 65.60): VY001843.D (-1044) (-)

Ion 66.90 (66.60 to 67.60): VY001843.D (-1044) (-)

8.16

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.71 min Scan# 1143

Delta R.T. -0.01 min

Lab File: VY001843.D

Acq: 04 Mar 2020 10:50

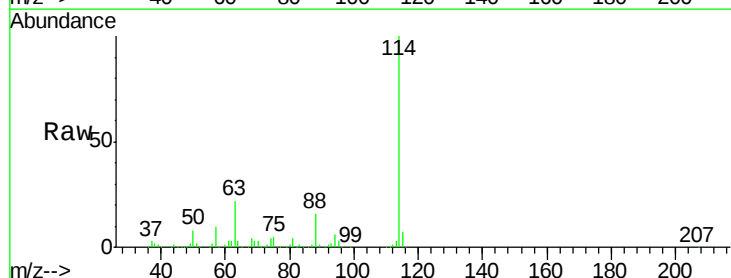
Tgt Ion: 114 Resp: 316156

Ion Ratio Lower Upper

114 100

63 21.6 0.0 39.4

88 16.1 0.0 30.4



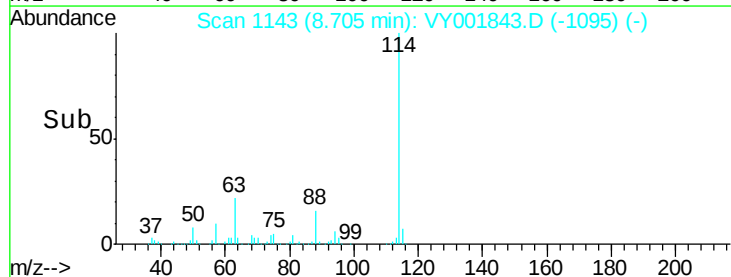
Abundance Ion 113.90 (113.60 to 114.60): VY001843.D (-1095) (-)

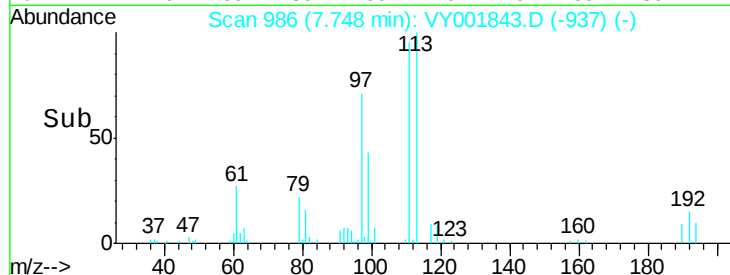
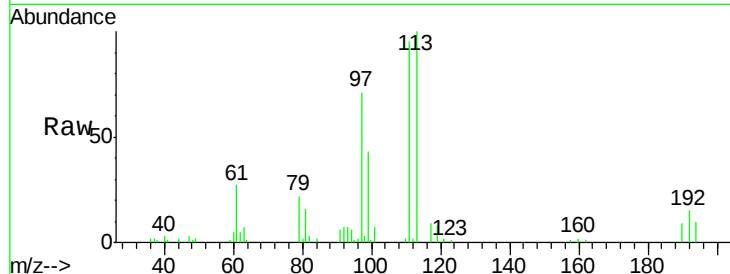
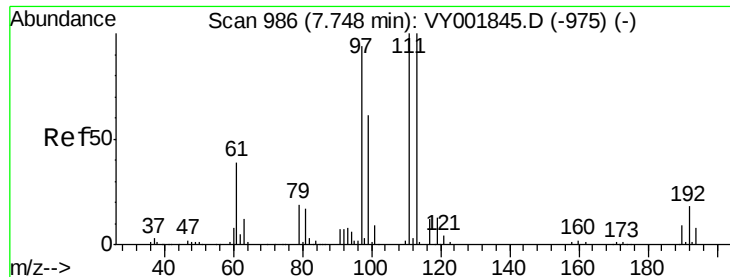
Ion 63.00 (62.70 to 63.70): VY001843.D (-1095) (-)

Ion 87.90 (87.60 to 88.60): VY001843.D (-1095) (-)

8.71

Time-->





#35

Dibromofluoromethane

Concen: 10.835 ug/l

RT: 7.75 min Scan# 986

Delta R.T. 0.00 min

Lab File: VY001843.D

Acq: 04 Mar 2020 10:50

Tot Ion:	113	Resp:	18713
Ion	Ratio	Lower	Upper
113	100		
111	100.9	81.8	122.8
192	17.0	14.2	21.2

Instrument :

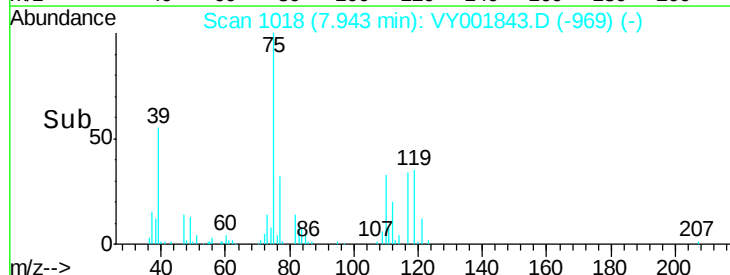
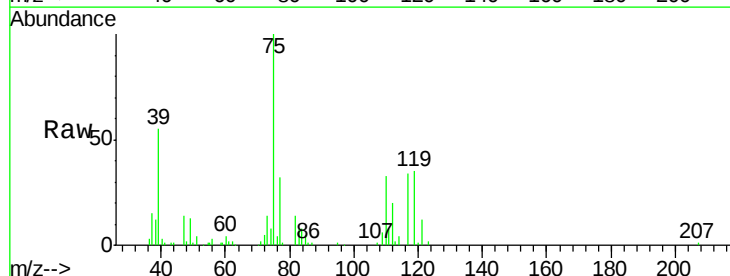
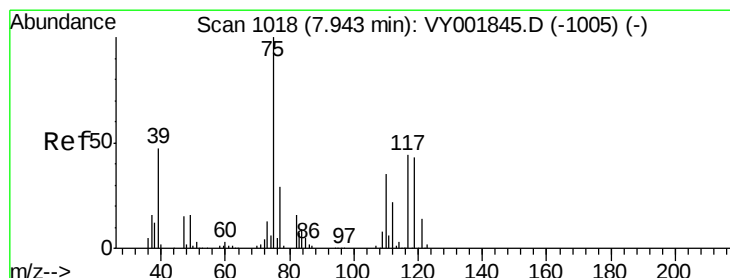
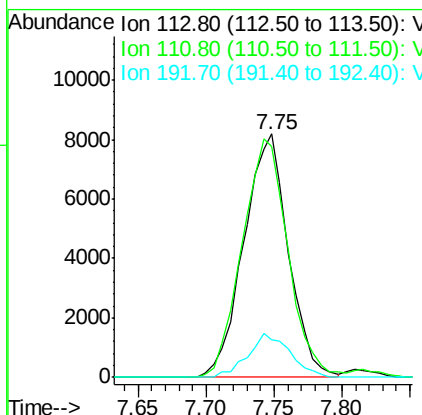
MSVOA_Y

ClientSampleId :

VSTDIC010

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 10.330 ug/l

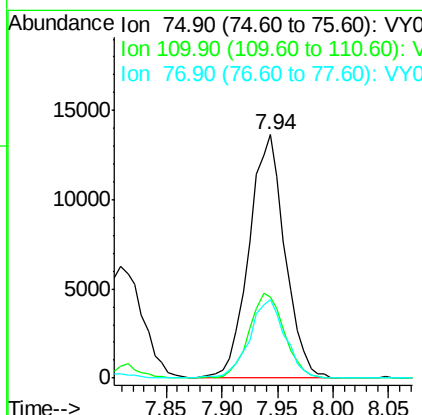
RT: 7.94 min Scan# 1018

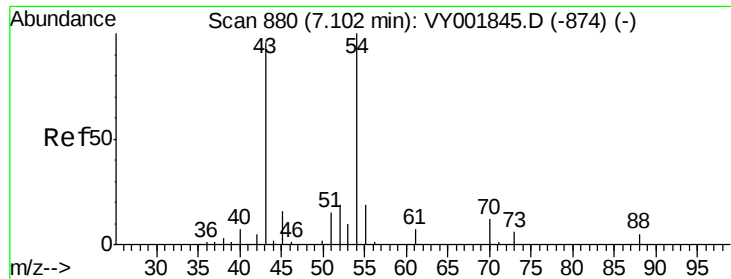
Delta R.T. 0.00 min

Lab File: VY001843.D

Acq: 04 Mar 2020 10:50

Tgt Ion:	75	Resp:	30677
Ion	Ratio	Lower	Upper
75	100		
110	34.4	17.4	52.2
77	32.0	24.2	36.2





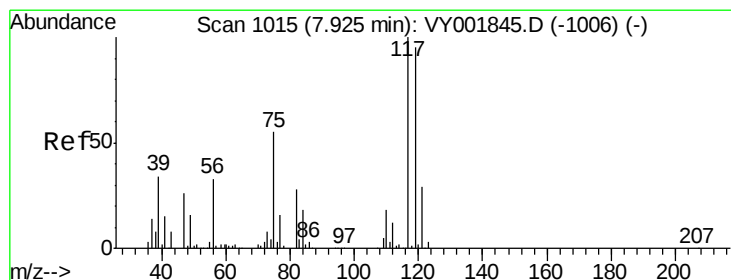
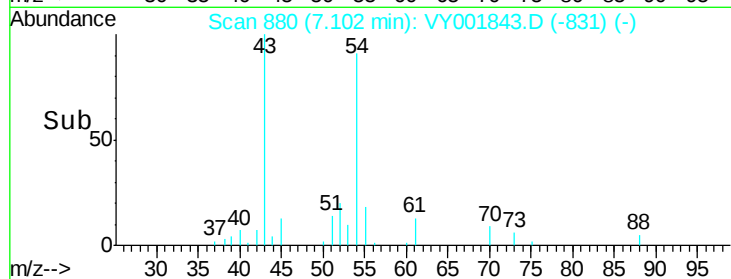
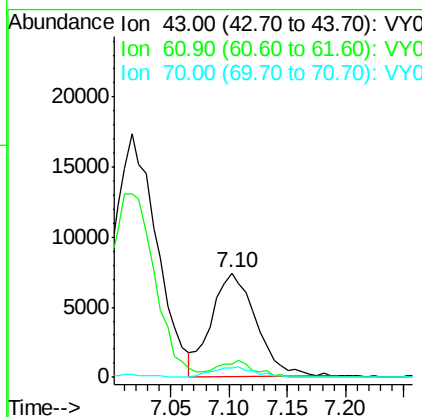
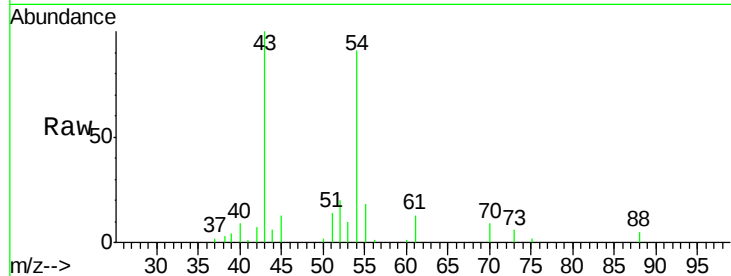
#37
Ethyl Acetate
Concen: 11.197 ug/l
RT: 7.10 min Scan# 880
Delta R.T. 0.00 min
Lab File: VY001843.D
Acq: 04 Mar 2020 10:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	43	Resp	19803
Ion Ratio	Lower	Upper	
43	100		
61	13.1	11.1	16.7
70	10.0	8.2	12.4

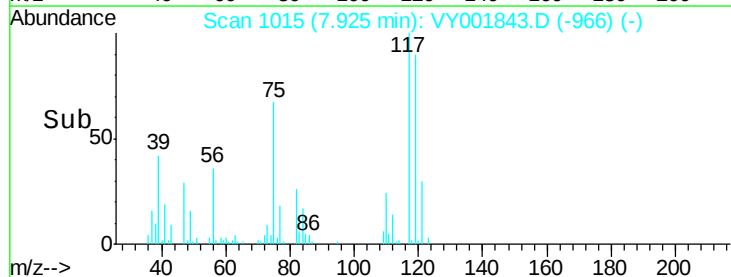
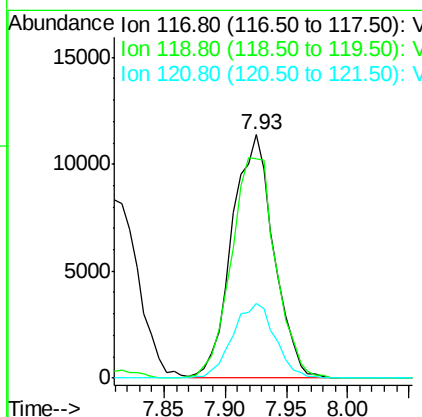
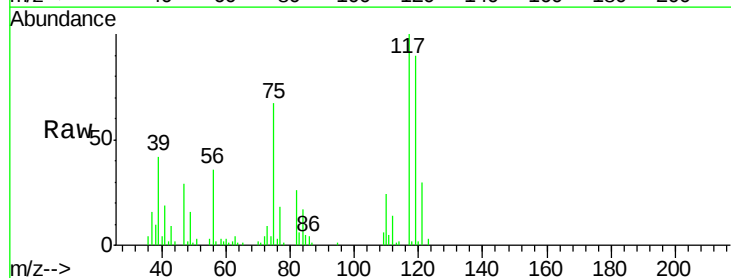
Manual Integrations
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#38
Carbon Tetrachloride
Concen: 10.618 ug/l
RT: 7.93 min Scan# 1015
Delta R.T. 0.00 min
Lab File: VY001843.D
Acq: 04 Mar 2020 10:50

Tgt Ion	117	Resp	26983
Ion Ratio	Lower	Upper	
117	100		
119	90.2	76.3	114.5
121	30.4	23.5	35.3





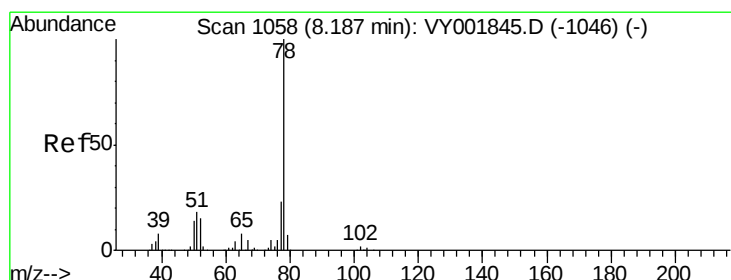
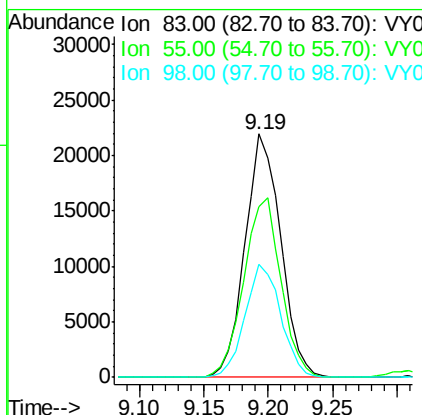
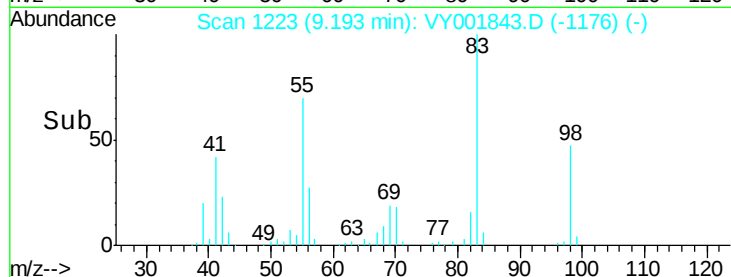
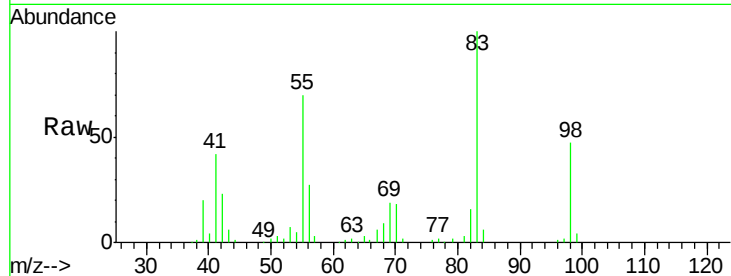
#39
Methylvlcvclohexane
Concen: 10.611 ug/l
RT: 9.19 min Scan# 1223
Delta R.T. -0.01 min
Lab File: VY001843.D
Acq: 04 Mar 2020 10:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
83	100		
55	70.1	59.4	89.0
98	46.6	38.9	58.3

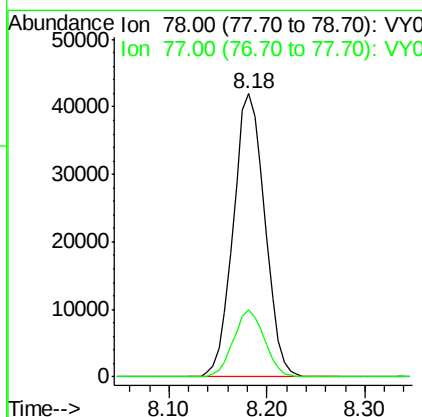
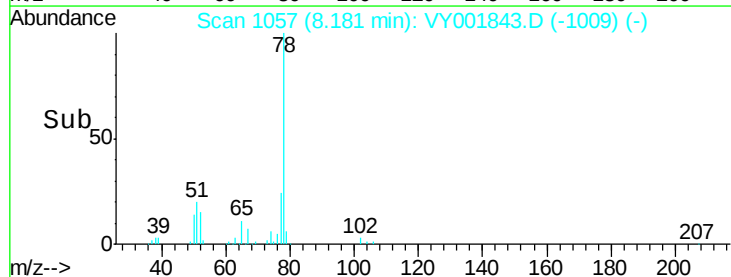
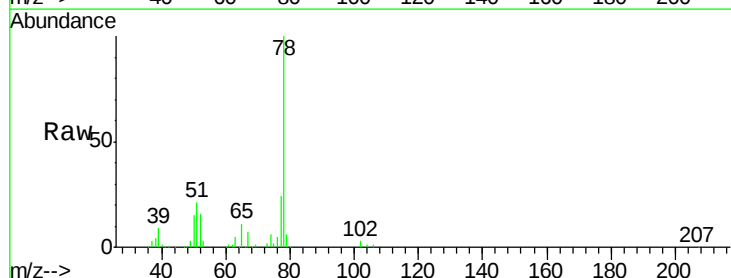
Manual Integrations
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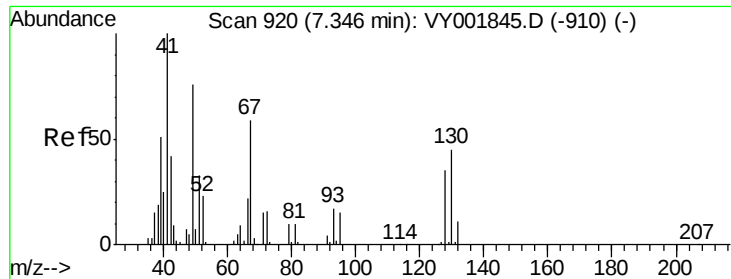
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#40
Benzene
Concen: 10.635 ug/l
RT: 8.18 min Scan# 1057
Delta R.T. -0.01 min
Lab File: VY001843.D
Acq: 04 Mar 2020 10:50

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.7	28.1





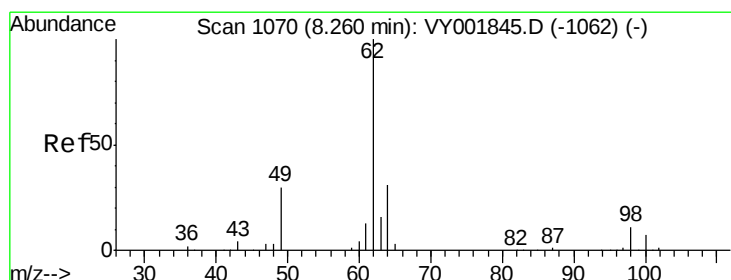
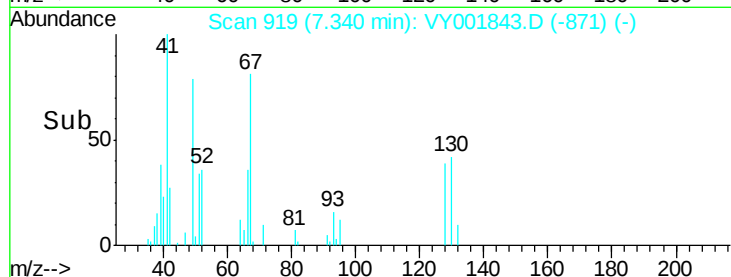
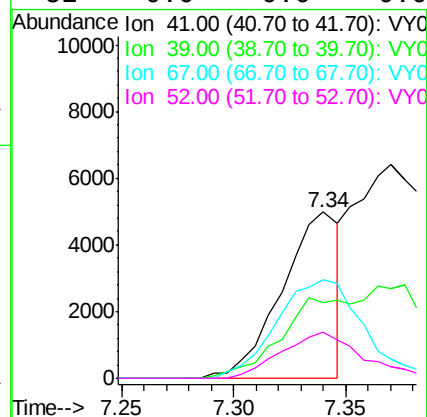
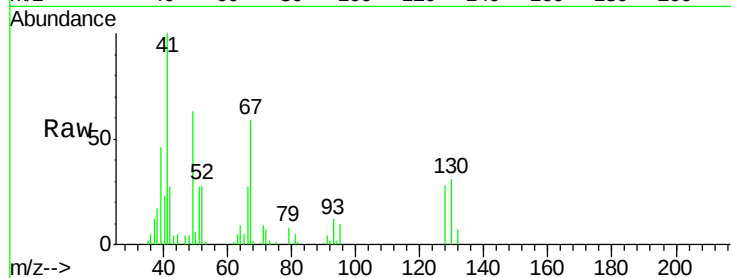
#41
Methacrylonitrile
Concen: 4.227 ug/l m
RT: 7.34 min Scan# 919
Delta R.T. -0.01 min
Lab File: VY001843.D
Acq: 04 Mar 2020 10:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

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

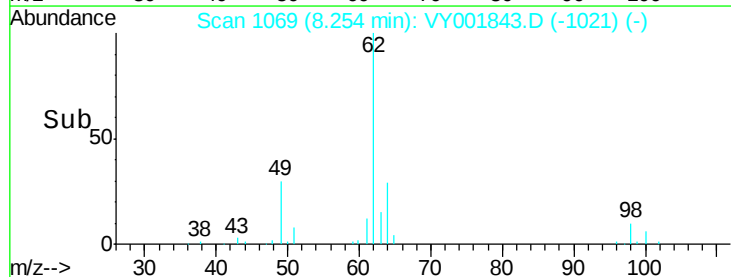
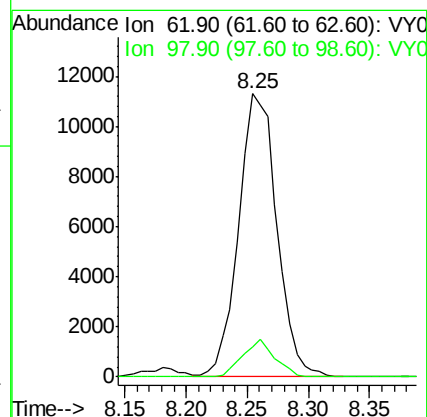
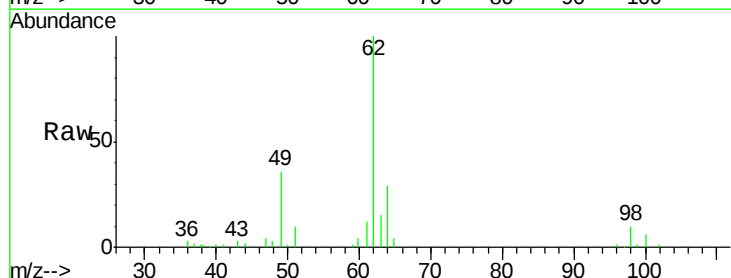
Manual Integrations
APPROVED

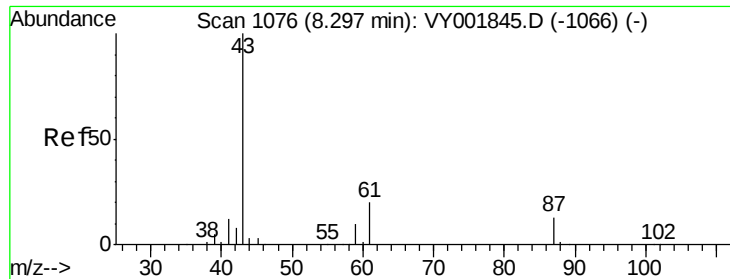
MMDadoda
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#42
1,2-Dichloroethane
Concen: 10.751 ug/l
RT: 8.25 min Scan# 1069
Delta R.T. -0.01 min
Lab File: VY001843.D
Acq: 04 Mar 2020 10:50

Tgt Ion	Ratio	Lower	Upper
62	100		
98	11.0	0.0	21.4





#43

Isopropyl Acetate

Concen: 11.149 ug/l

RT: 8.29 min Scan# 1075

Delta R.T. -0.01 min

Lab File: VY001843.D

Acq: 04 Mar 2020 10:50

Instrument :

MSVOA_Y

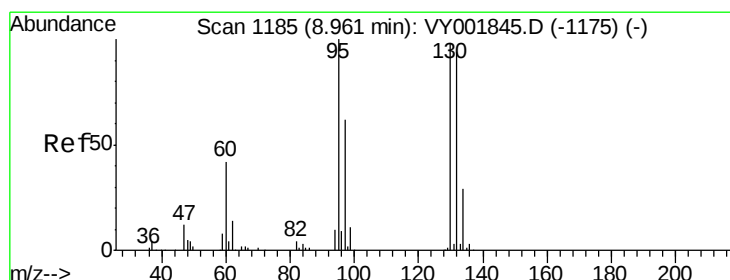
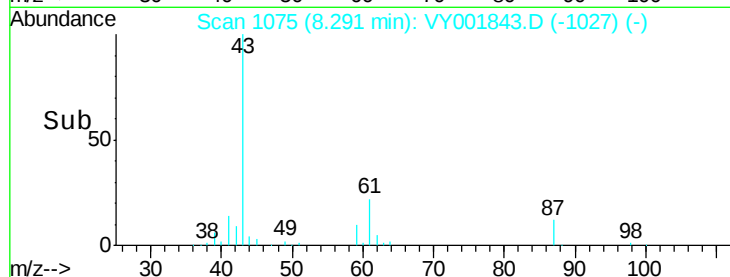
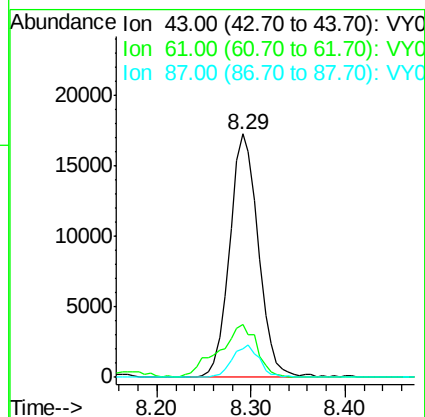
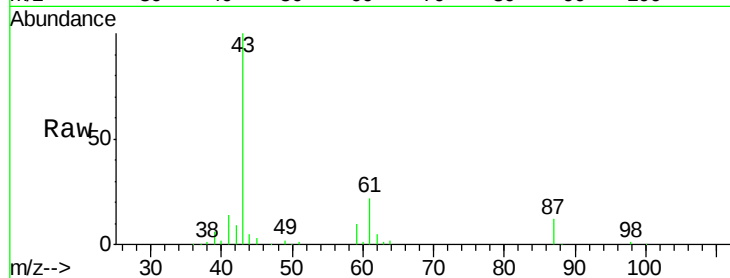
ClientSampleId :

VSTDIC010

Tot Ion:	43	Resp:	36675
Ion	Ratio	Lower	Upper
43	100		
61	28.6	23.8	35.6
87	12.4	10.9	16.3

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#44

Trichloroethene

Concen: 10.691 ug/l

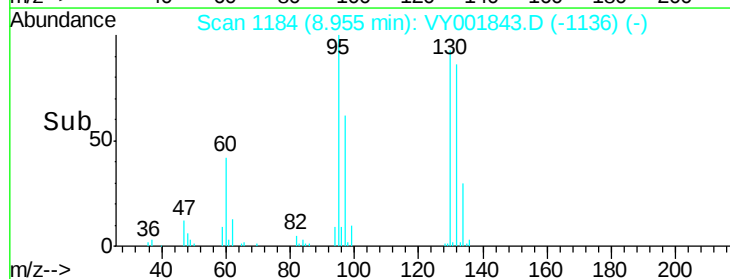
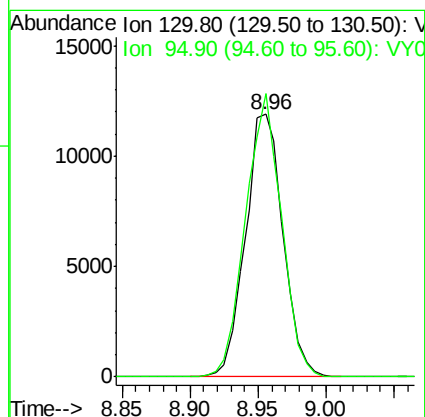
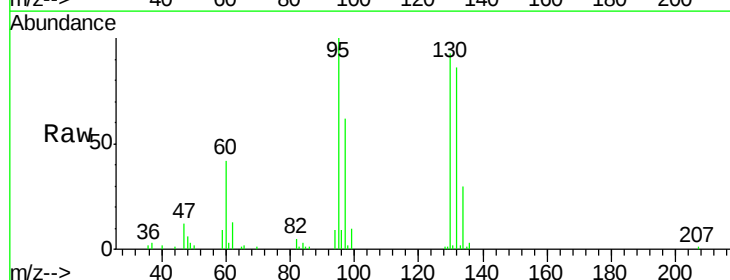
RT: 8.96 min Scan# 1184

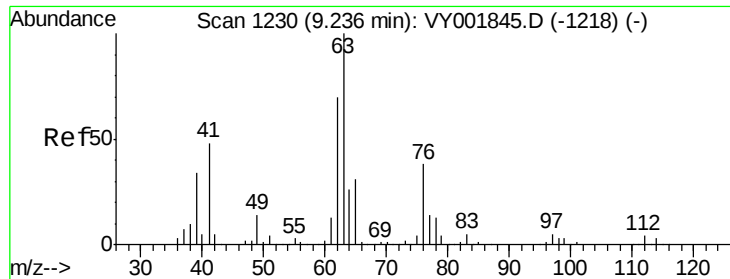
Delta R.T. -0.01 min

Lab File: VY001843.D

Acq: 04 Mar 2020 10:50

Tgt Ion:	130	Resp:	23036
Ion	Ratio	Lower	Upper
130	100		
95	107.7	0.0	204.6





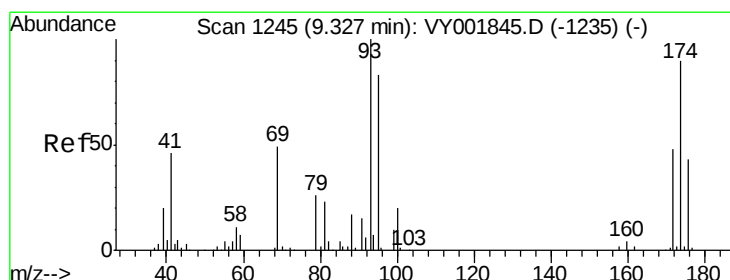
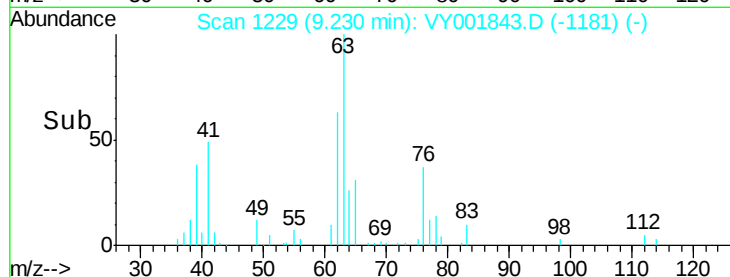
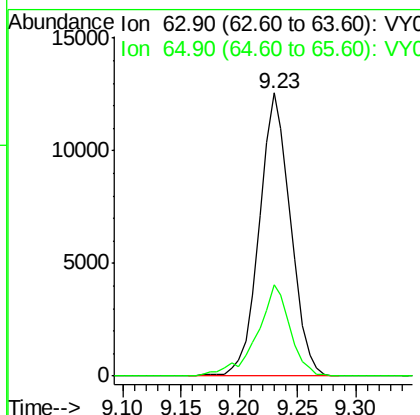
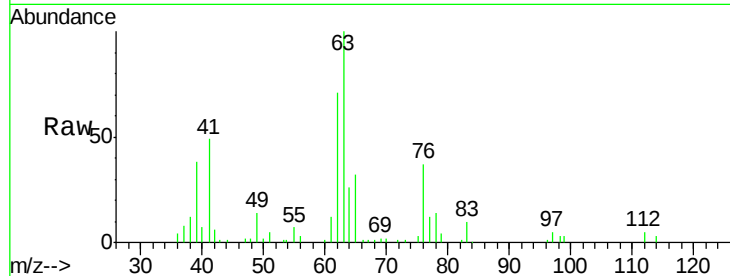
#45
 1,2-Dichloropropane
 Concen: 10.555 ug/l
 RT: 9.23 min Scan# 1229
 Delta R.T. -0.01 min
 Lab File: VY001843.D
 Acq: 04 Mar 2020 10:50

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.2	24.9	37.3

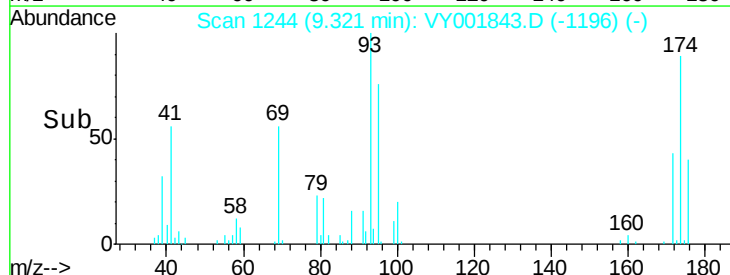
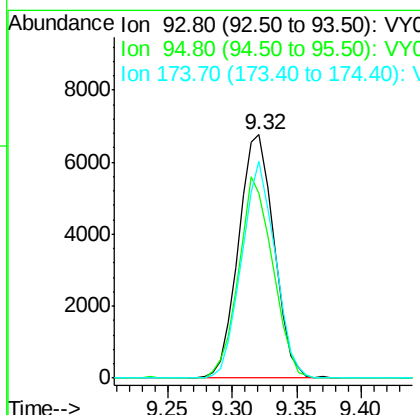
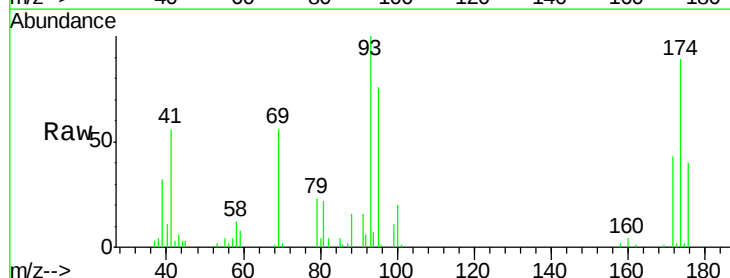
Manual Integrations
 APPROVED

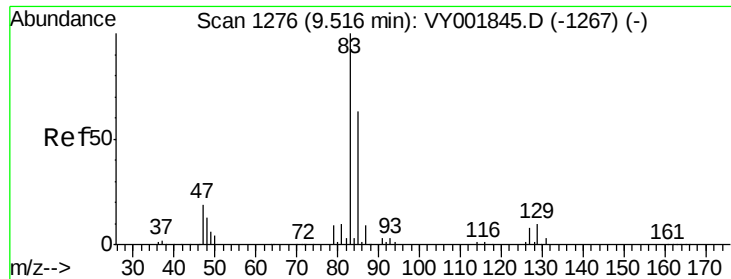
MMDadoda
 3/5/2020 1:37:06 PM



#46
 Dibromomethane
 Concen: 11.173 ug/l
 RT: 9.32 min Scan# 1244
 Delta R.T. -0.01 min
 Lab File: VY001843.D
 Acq: 04 Mar 2020 10:50

Tgt Ion	Ratio	Lower	Upper
93	100		
95	79.6	67.0	100.4
174	83.7	71.8	107.8





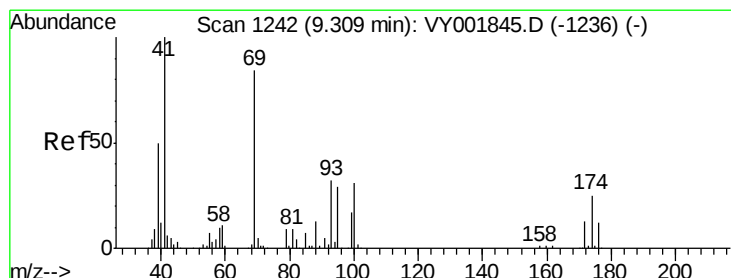
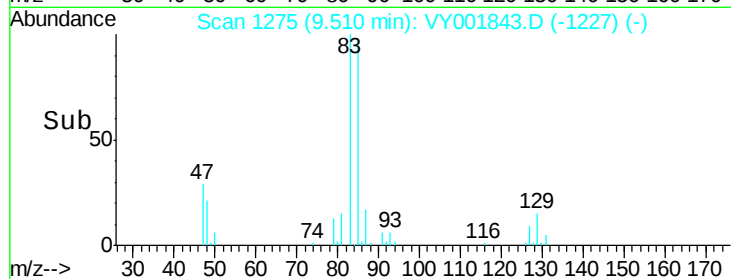
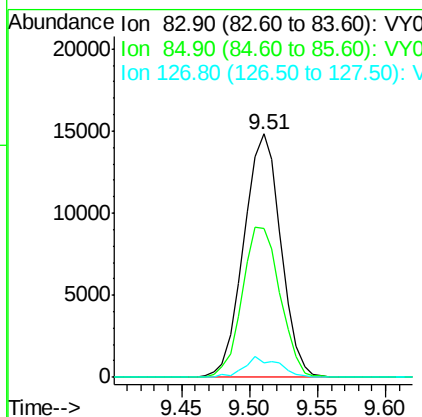
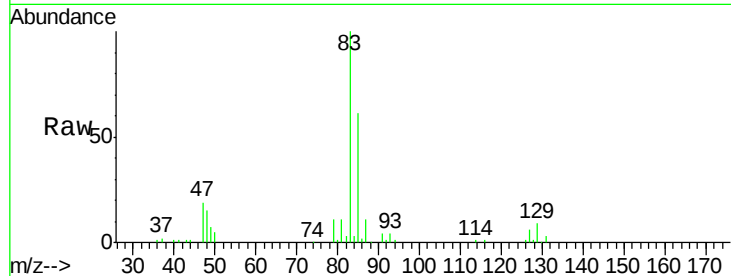
#47
Bromodichloromethane
Concen: 10.598 ug/l
RT: 9.51 min Scan# 1275
Delta R.T. -0.01 min
Lab File: VY001843.D
Acq: 04 Mar 2020 10:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
83	100		
85	61.0	50.6	76.0
127	5.8	6.2	9.4#

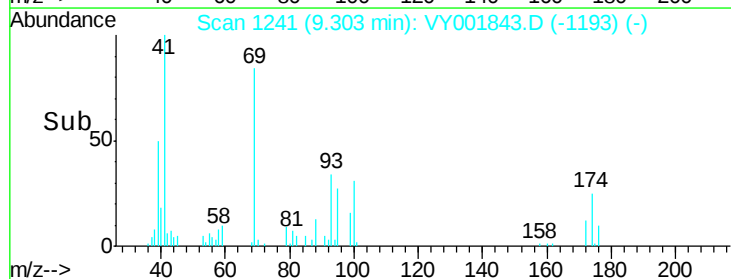
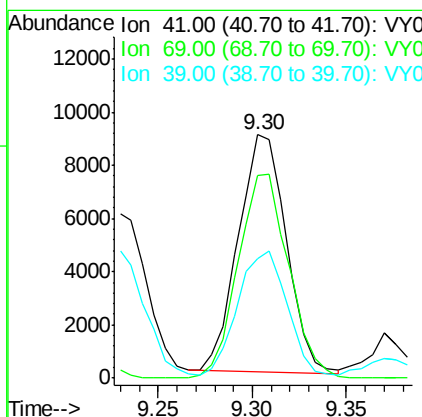
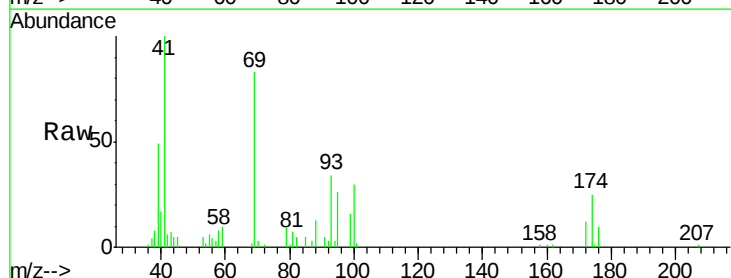
Manual Integrations
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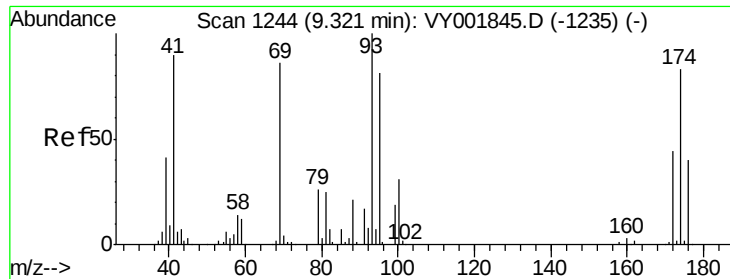
MMDadoda
3/5/2020 1:37:06 PM



#48
Methyl methacrylate
Concen: 10.618 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. -0.01 min
Lab File: VY001843.D
Acq: 04 Mar 2020 10:50

Tgt Ion	Ratio	Lower	Upper
41	100		
69	90.1	69.0	103.6
39	53.7	39.1	58.7





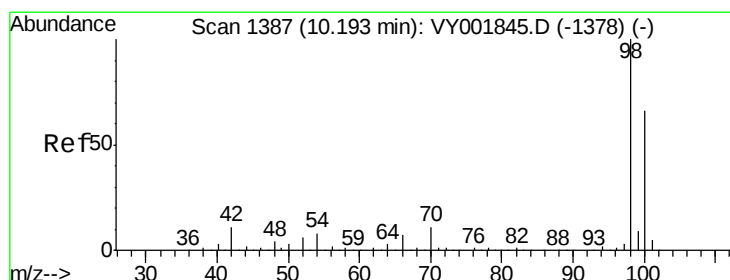
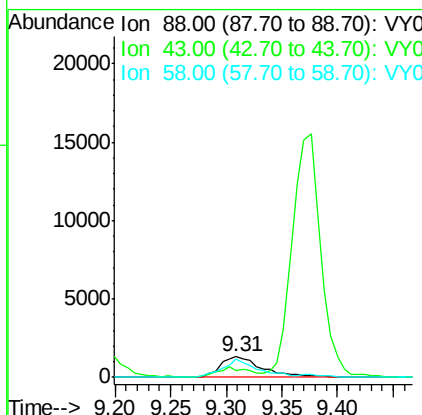
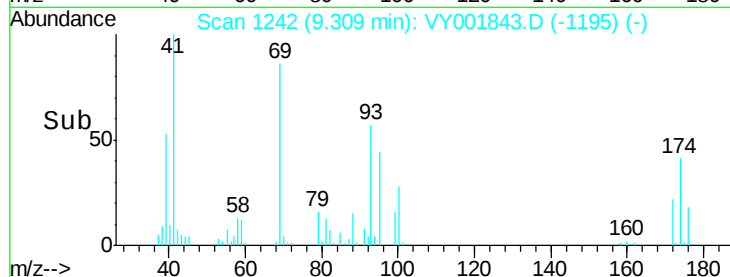
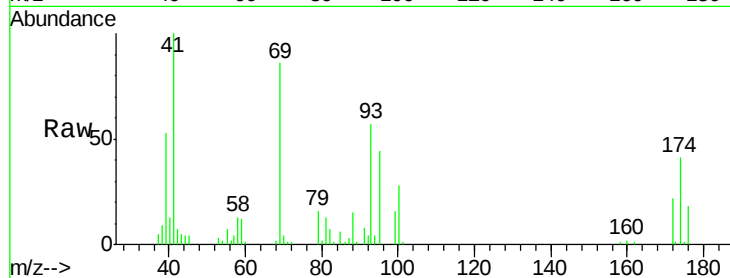
#49
 1,4-Dioxane
 Concen: 231.279 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. -0.01 min
 Lab File: VY001843.D
 Acq: 04 Mar 2020 10:50

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.8	25.0	37.6#
58	72.8	58.9	88.3

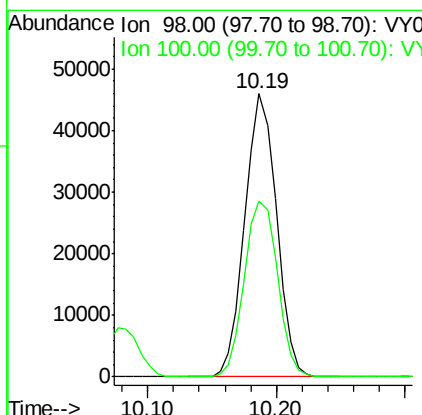
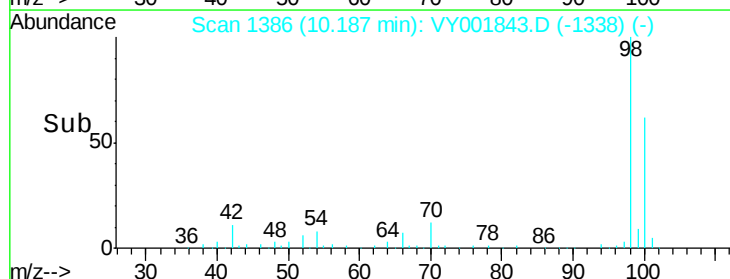
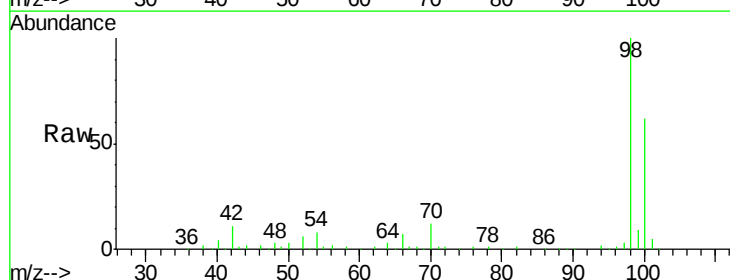
Manual Integrations
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#50
 Toluene-d8
 Concen: 10.793 ug/l
 RT: 10.19 min Scan# 1386
 Delta R.T. -0.01 min
 Lab File: VY001843.D
 Acq: 04 Mar 2020 10:50

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.8	53.0	79.4





#51

4-Methyl-2-Pentanone

Concen: 56.548 ug/l

RT: 10.08 min Scan# 1368

Delta R.T. -0.01 min

Lab File: VY001843.D

Acq: 04 Mar 2020 10:50

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 95855

Ion Ratio Lower Upper

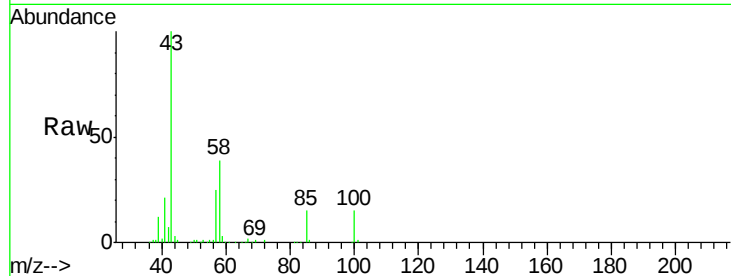
43 100

58 39.3 32.0 48.0

Manual Integrations
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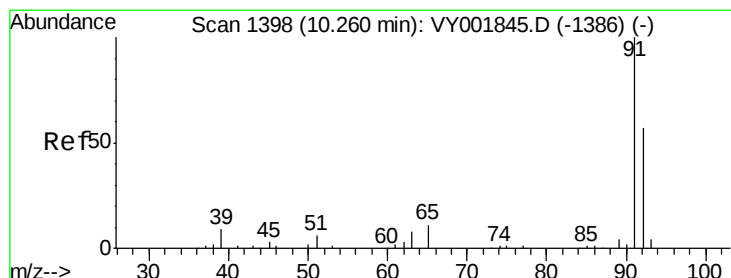
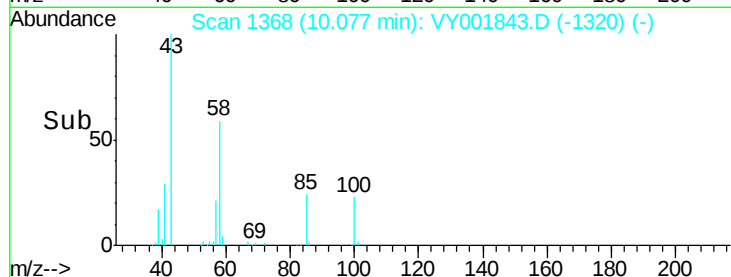
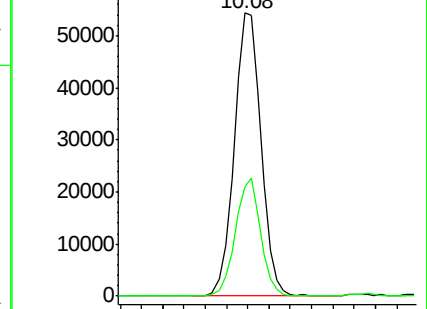
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#52

Toluene

Concen: 10.501 ug/l

RT: 10.25 min Scan# 1397

Delta R.T. -0.01 min

Lab File: VY001843.D

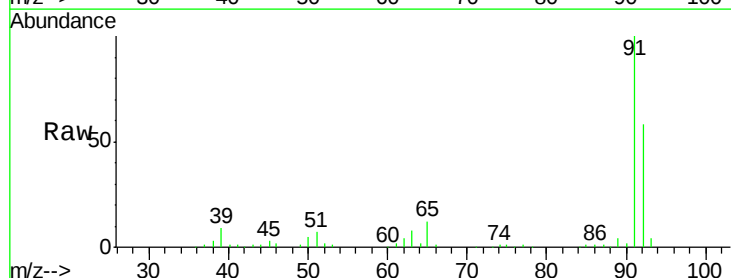
Acq: 04 Mar 2020 10:50

Tgt Ion: 92 Resp: 56210

Ion Ratio Lower Upper

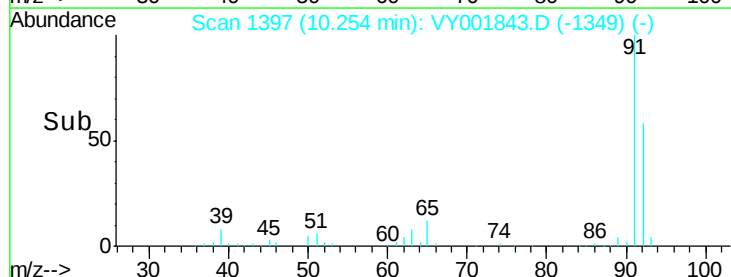
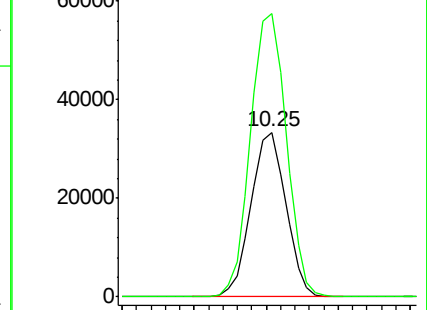
92 100

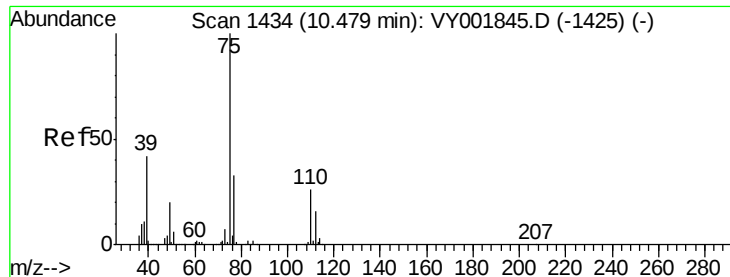
91 176.1 138.6 208.0



Abundance Ion 92.00 (91.70 to 92.70): VY0

Ion 91.00 (90.70 to 91.70): VY0





#53

t-1,3-Dichloropropene

Concen: 10.390 ug/l

RT: 10.47 min Scan# 1433

Delta R.T. -0.01 min

Lab File: VY001843.D

Acq: 04 Mar 2020 10:50

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion: 75 Resp: 30275

Ion Ratio Lower Upper

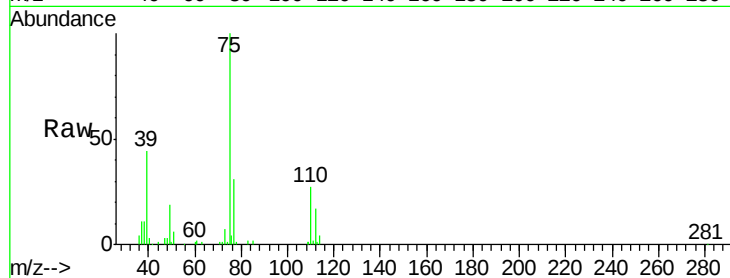
75 100

77 31.4 26.3 39.5

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Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0

10.47

20000

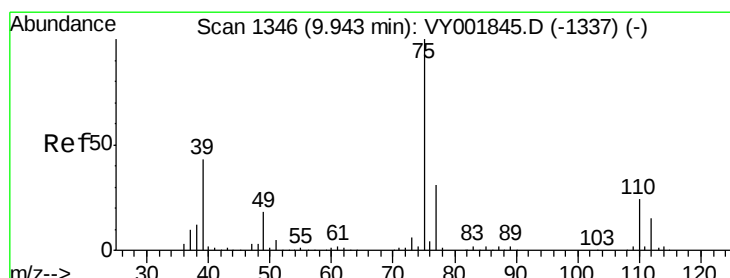
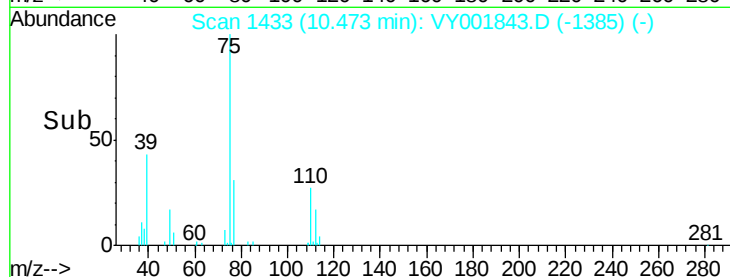
15000

10000

5000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 10.403 ug/l

RT: 9.94 min Scan# 1345

Delta R.T. -0.01 min

Lab File: VY001843.D

Acq: 04 Mar 2020 10:50

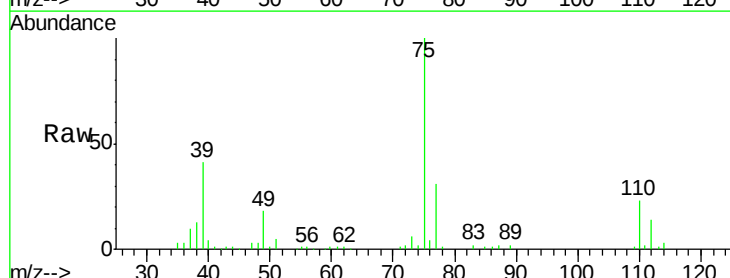
Tgt Ion: 75 Resp: 36129

Ion Ratio Lower Upper

75 100

77 30.7 25.1 37.7

39 41.5 34.7 52.1



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0

Ion 39.00 (38.70 to 39.70): VY0

9.94

25000

20000

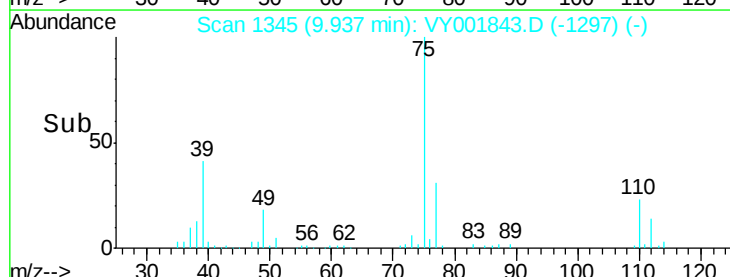
15000

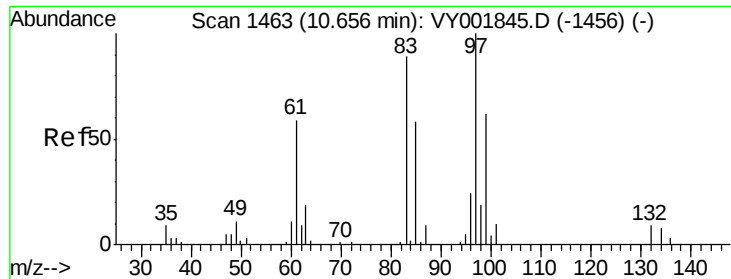
10000

5000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 10.897 ug/l

RT: 10.65 min Scan# 1462

Delta R.T. -0.01 min

Lab File: VY001843.D

Acq: 04 Mar 2020 10:50

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion: 97 Resp: 18352

Ion Ratio Lower Upper

97 100

83 88.3 71.6 107.4

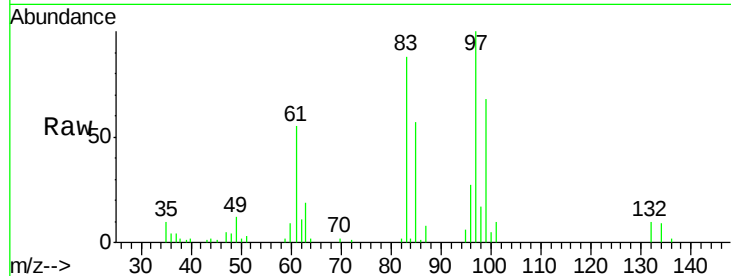
85 56.8 46.6 69.8

99 67.5 49.8 74.6

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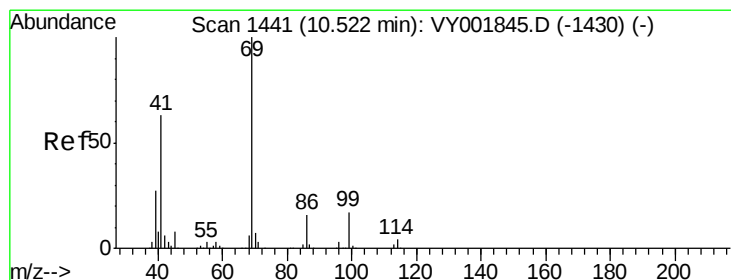
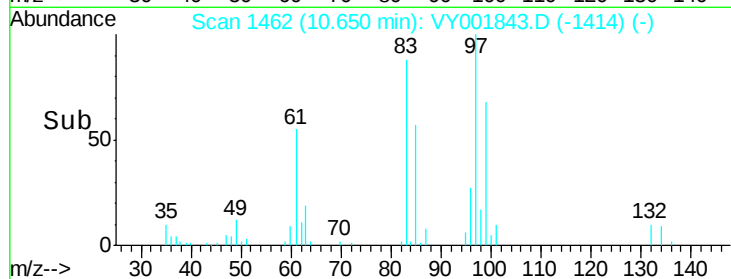
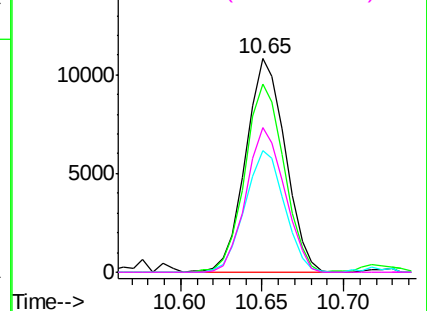


Abundance Ion 96.90 (96.60 to 97.60): VY0

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: 10.436 ug/l

RT: 10.52 min Scan# 1440

Delta R.T. -0.01 min

Lab File: VY001843.D

Acq: 04 Mar 2020 10:50

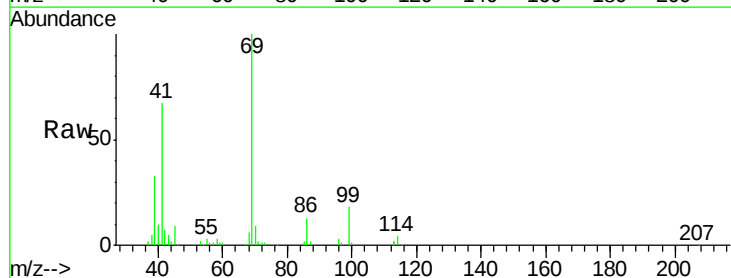
Tgt Ion: 69 Resp: 25612

Ion Ratio Lower Upper

69 100

41 68.7 49.9 74.9

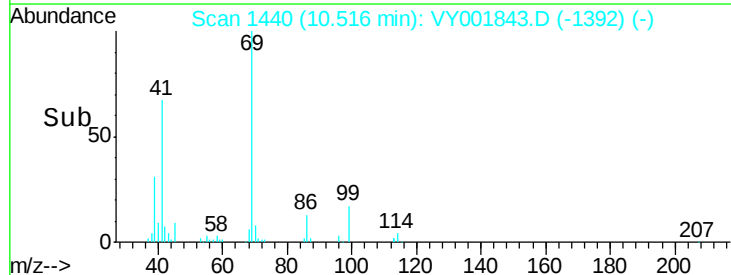
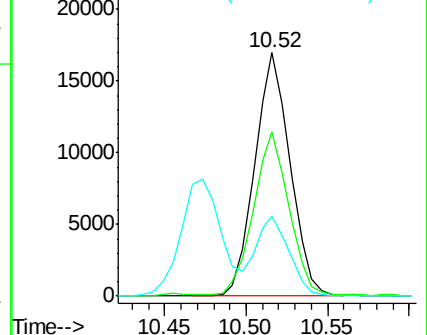
39 30.7 23.0 34.6



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: 10.861 ug/l

RT: 10.80 min Scan# 1486

Delta R.T. -0.01 min

Lab File: VY001843.D

Acq: 04 Mar 2020 10:50

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion: 76 Resp: 32394

Ion Ratio Lower Upper

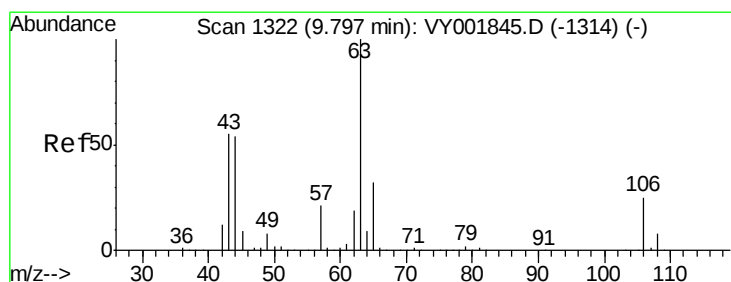
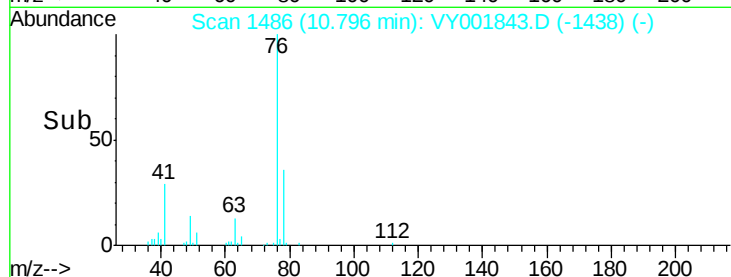
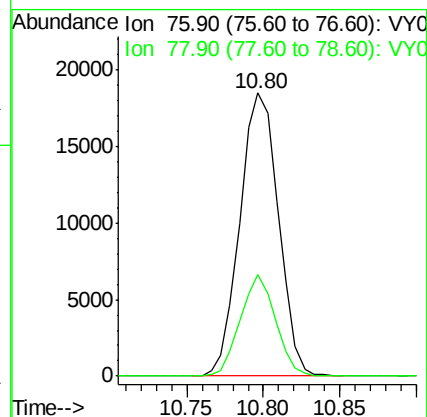
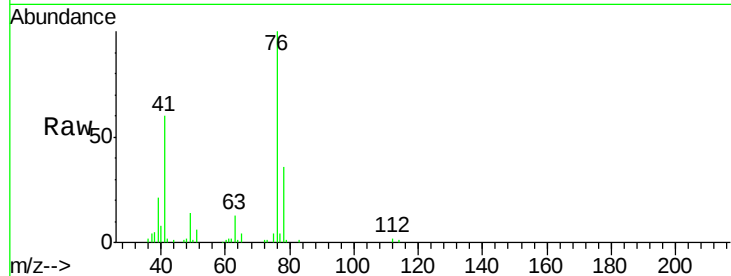
76 100

78 32.8 25.8 38.6

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 68.263 ug/l

RT: 9.79 min Scan# 1321

Delta R.T. -0.01 min

Lab File: VY001843.D

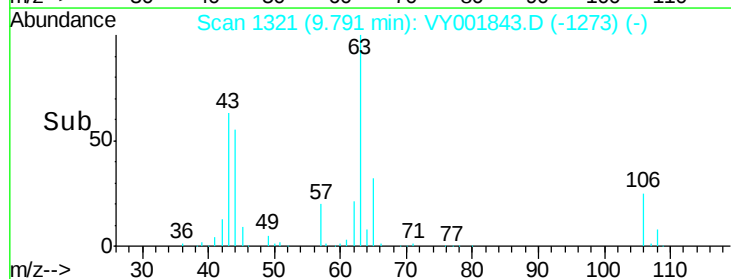
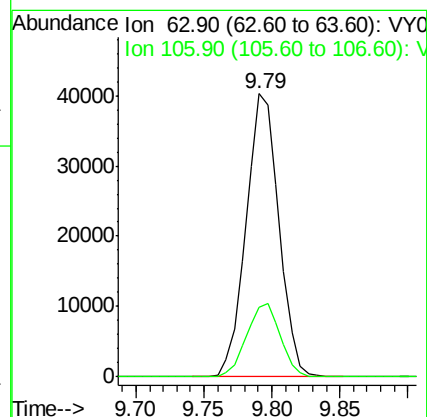
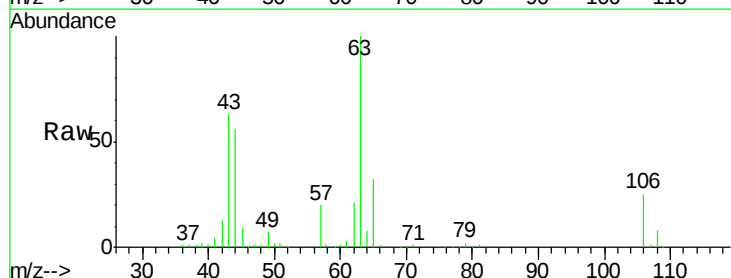
Acq: 04 Mar 2020 10:50

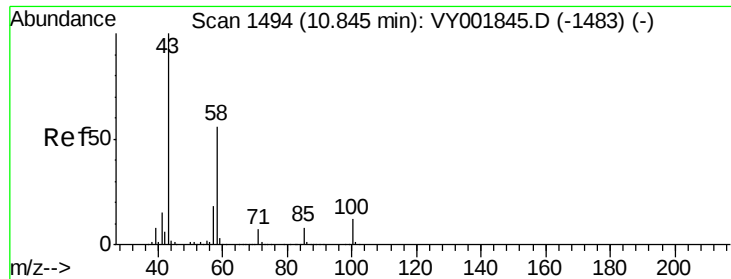
Tgt Ion: 63 Resp: 67963

Ion Ratio Lower Upper

63 100

106 26.6 21.3 31.9





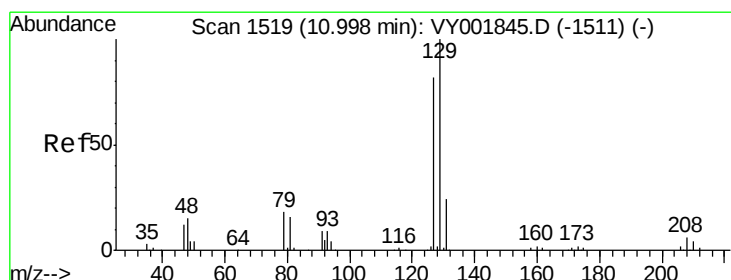
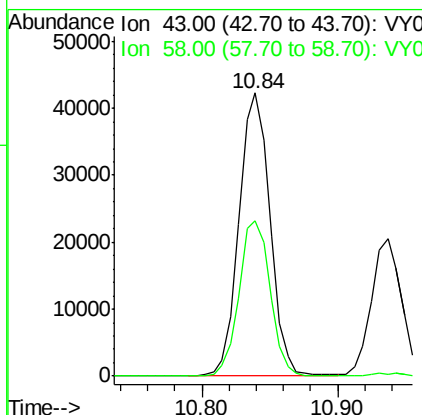
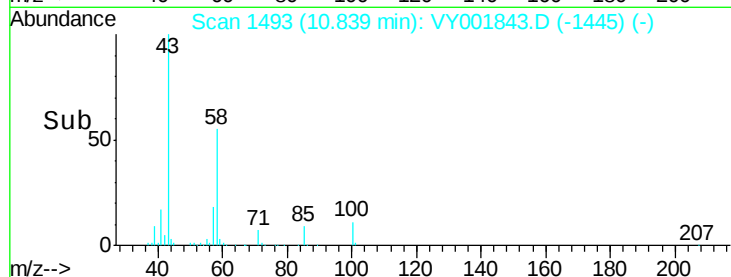
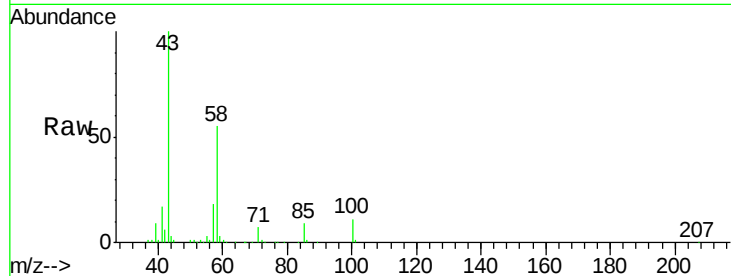
#59
2-Hexanone
Concen: 55.956 ug/l
RT: 10.84 min Scan# 1493
Delta R.T. -0.01 min
Lab File: VY001843.D
Acq: 04 Mar 2020 10:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion: 43 Resp: 67442
Ion Ratio Lower Upper
43 100
58 55.2 28.1 84.3

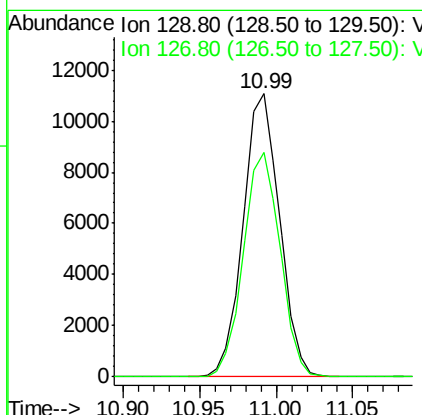
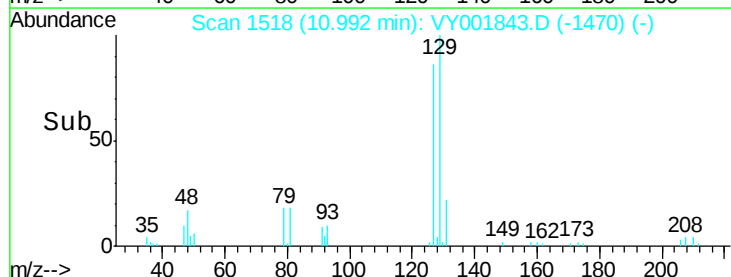
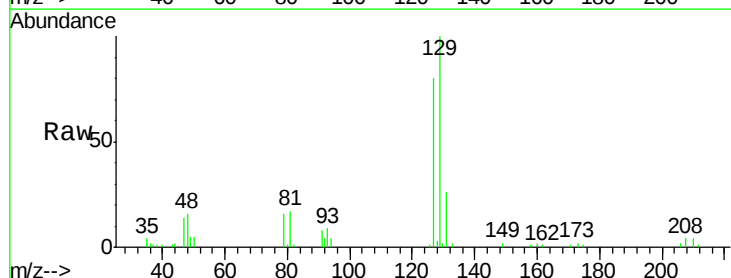
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#60
Dibromochloromethane
Concen: 10.359 ug/l
RT: 10.99 min Scan# 1518
Delta R.T. -0.01 min
Lab File: VY001843.D
Acq: 04 Mar 2020 10:50

Tgt Ion: 129 Resp: 18336
Ion Ratio Lower Upper
129 100
127 80.0 39.0 117.0





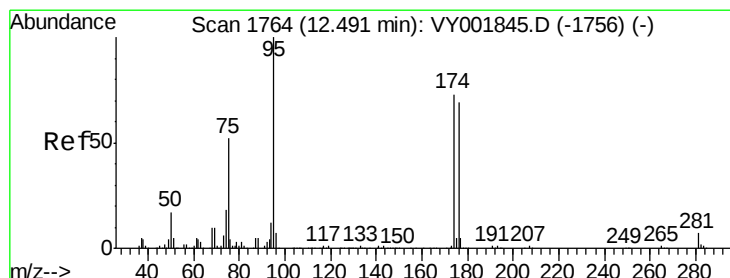
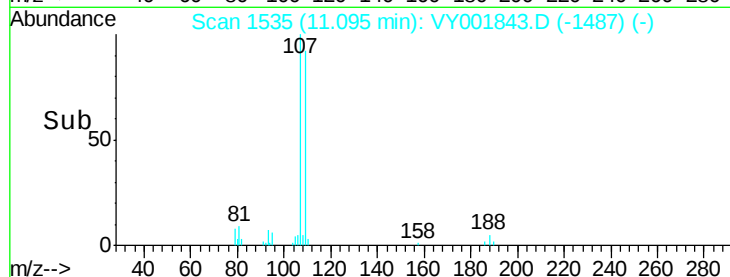
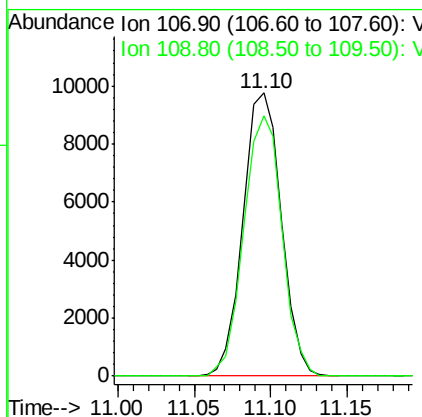
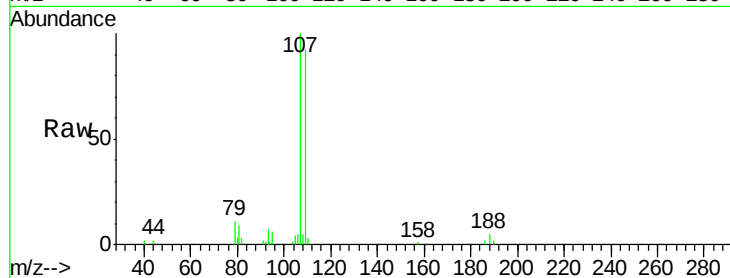
#61
 1,2-Dibromoethane
 Concen: 10.792 ug/l
 RT: 11.10 min Scan# 1535
 Delta R.T. -0.01 min
 Lab File: VY001843.D
 Acq: 04 Mar 2020 10:50

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Tot Ion:107 Resp: 16987
 Ion Ratio Lower Upper
 107 100
 109 91.7 75.4 113.0

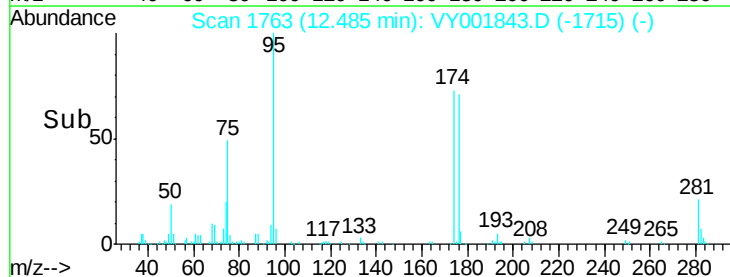
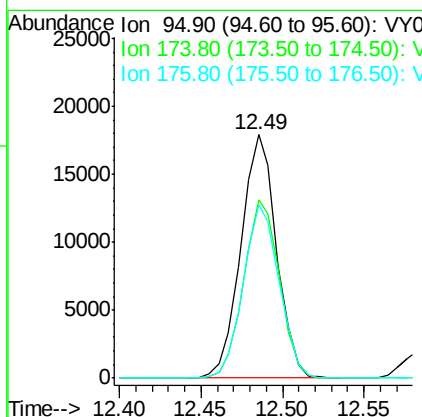
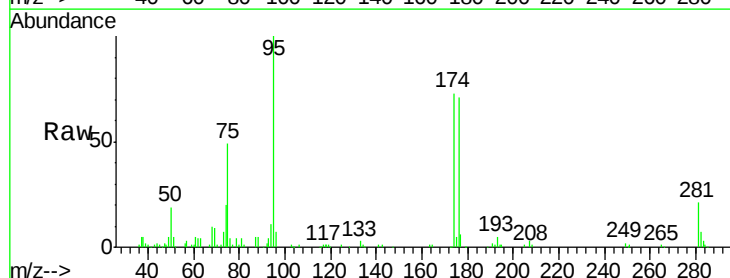
Manual Integrations
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 3/5/2020 1:37:06 PM



#62
 4-Bromofluorobenzene
 Concen: 10.779 ug/l
 RT: 12.49 min Scan# 1763
 Delta R.T. -0.01 min
 Lab File: VY001843.D
 Acq: 04 Mar 2020 10:50

Tgt Ion: 95 Resp: 27207
 Ion Ratio Lower Upper
 95 100
 174 73.5 0.0 145.0
 176 71.6 0.0 137.4





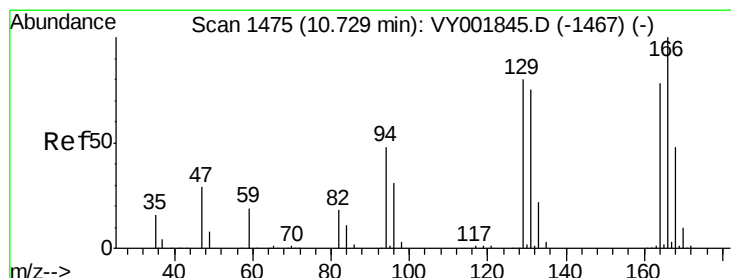
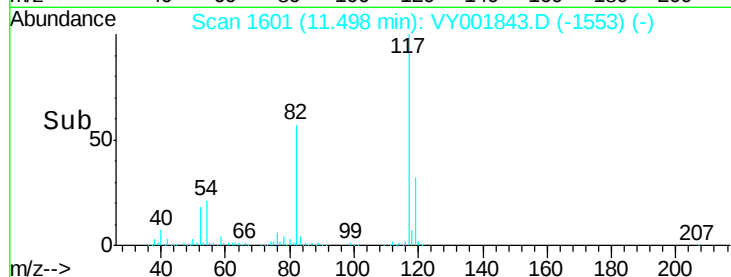
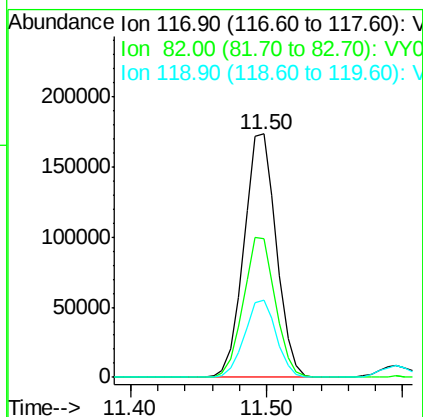
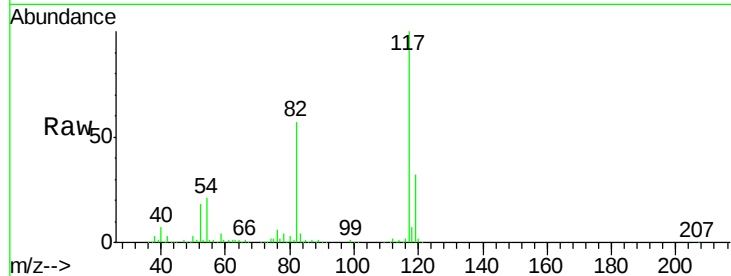
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: VY001843.D
Acq: 04 Mar 2020 10:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.0	44.5	66.7
119	31.6	25.7	38.5

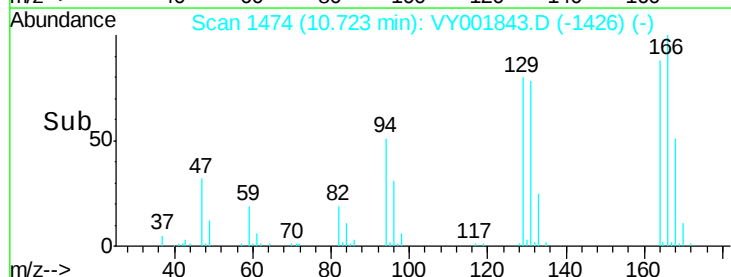
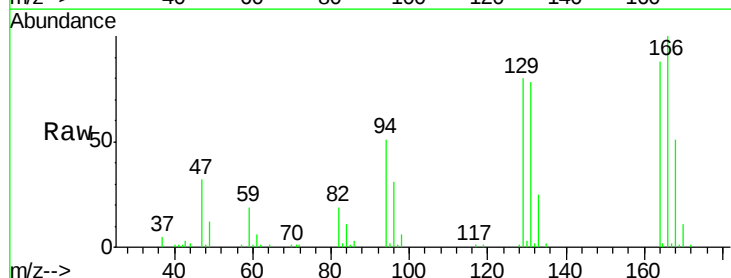
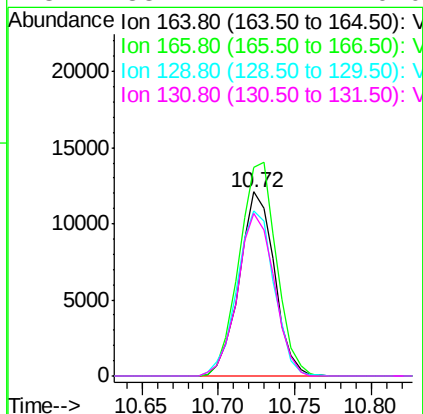
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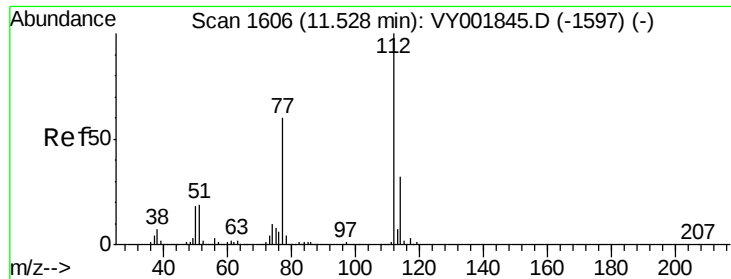
MMDadoda
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#64
Tetrachloroethene
Concen: 10.832 ug/l
RT: 10.72 min Scan# 1474
Delta R.T. -0.01 min
Lab File: VY001843.D
Acq: 04 Mar 2020 10:50

Tgt Ion	Ratio	Lower	Upper
164	100		
166	113.2	102.6	154.0
129	90.1	82.3	123.5
131	88.1	77.4	116.0





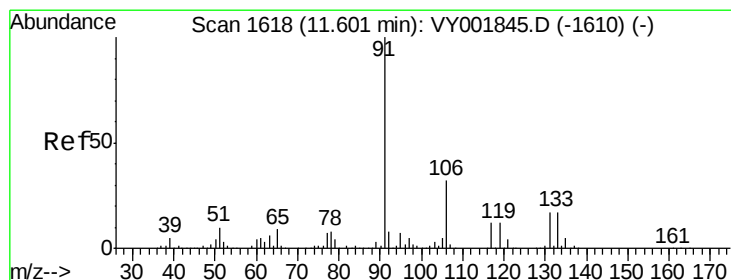
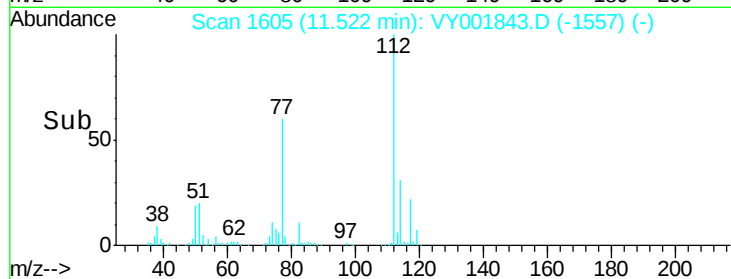
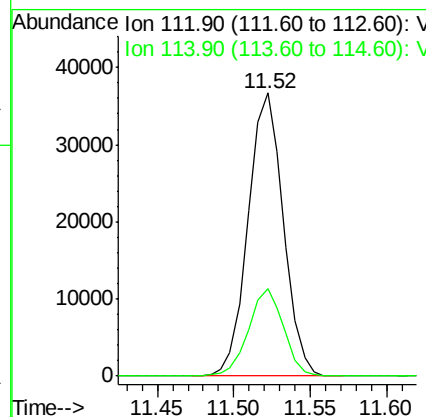
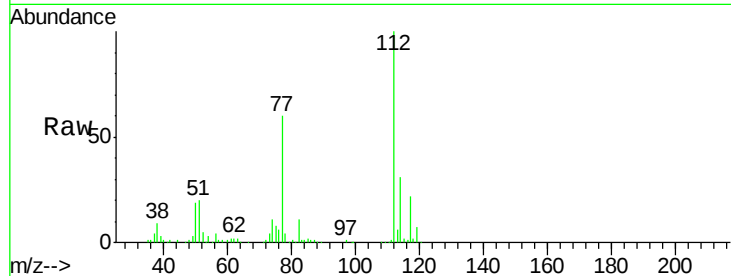
#65
Chlorobenzene
Concen: 10.439 ug/l
RT: 11.52 min Scan# 1605
Delta R.T. -0.01 min
Lab File: VY001843.D
Acq: 04 Mar 2020 10:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
112	100		
114	30.8	25.9	38.9

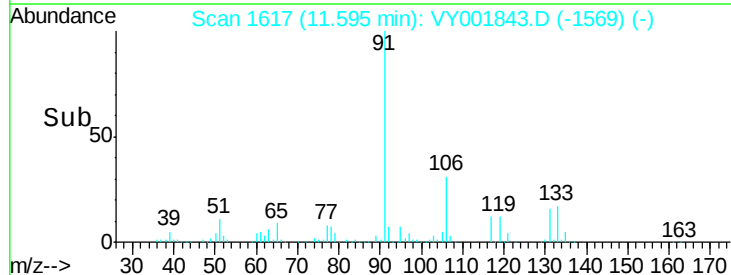
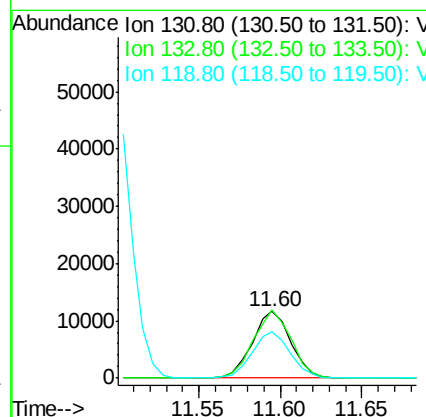
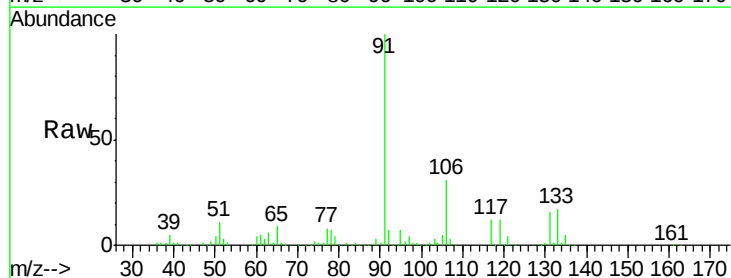
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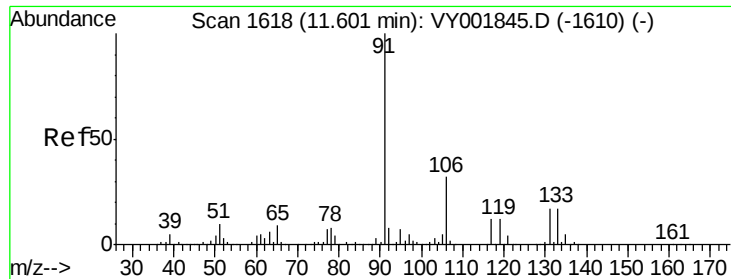
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 10.359 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. -0.01 min
Lab File: VY001843.D
Acq: 04 Mar 2020 10:50

Tgt Ion	Ratio	Lower	Upper
131	100		
133	99.5	47.1	141.3
119	69.0	34.5	103.6





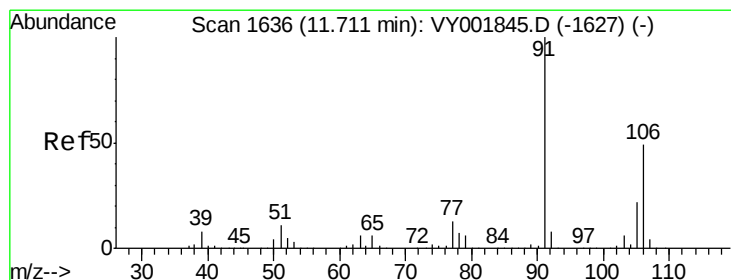
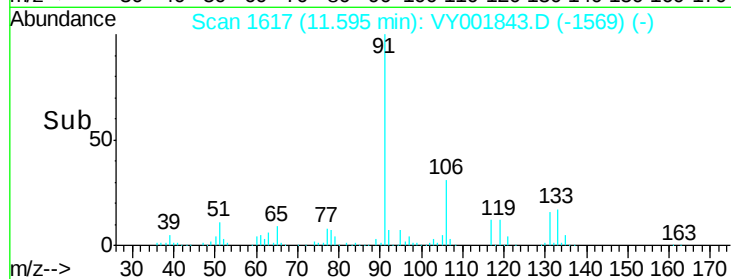
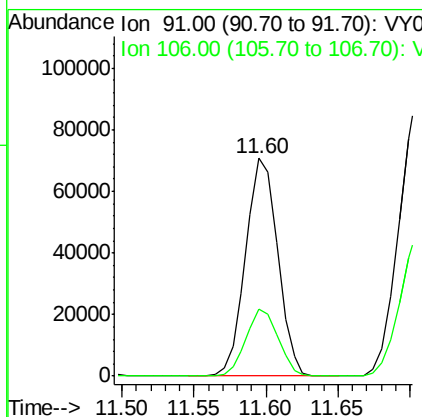
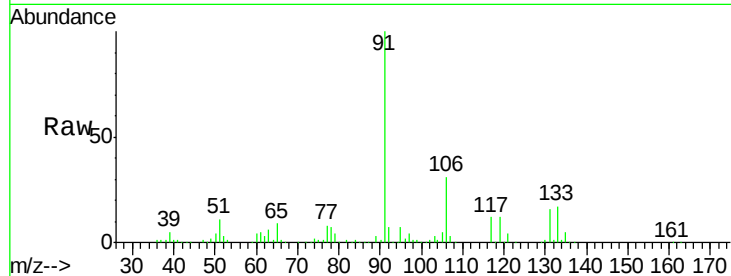
#67
Ethyl Benzene
Concen: 10.406 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. -0.01 min
Lab File: VY001843.D
Acq: 04 Mar 2020 10:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion: 91 Resp: 109434
Ion Ratio Lower Upper
91 100
106 30.8 25.4 38.2

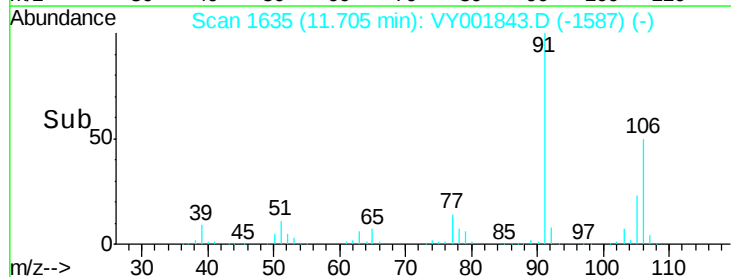
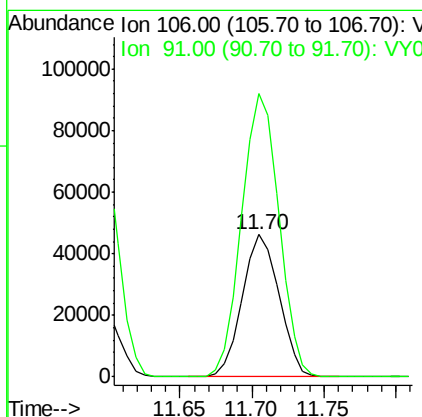
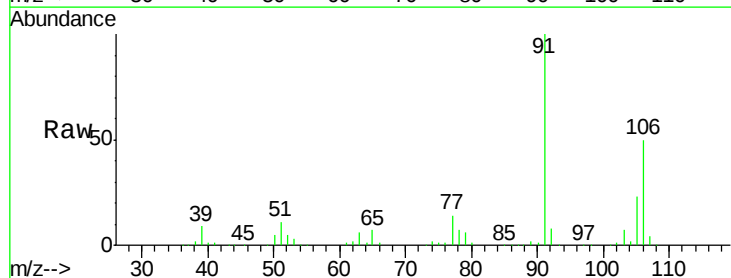
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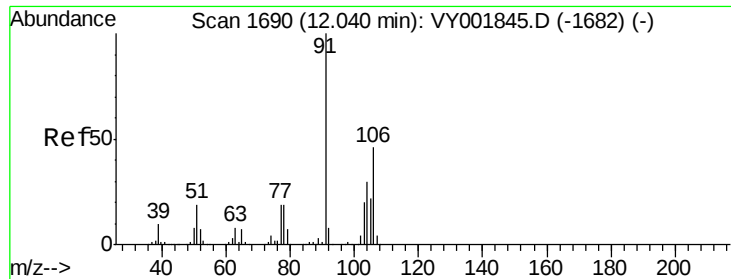
MMDadoda
3/5/2020 1:37:06 PM



#68
m/p-Xylenes
Concen: 21.071 ug/l
RT: 11.70 min Scan# 1635
Delta R.T. -0.01 min
Lab File: VY001843.D
Acq: 04 Mar 2020 10:50

Tgt Ion: 106 Resp: 82006
Ion Ratio Lower Upper
106 100
91 201.6 161.3 241.9





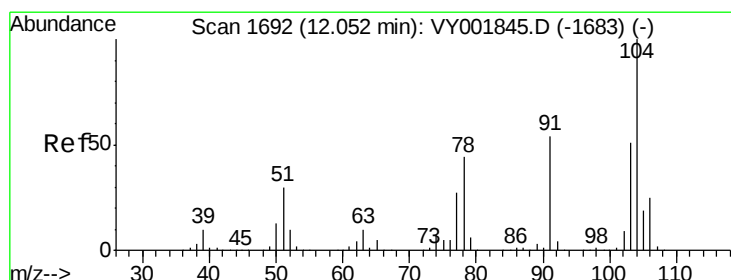
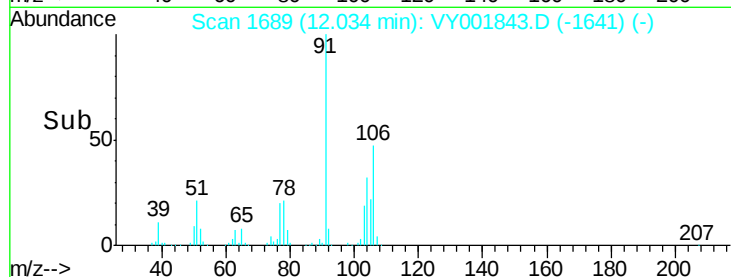
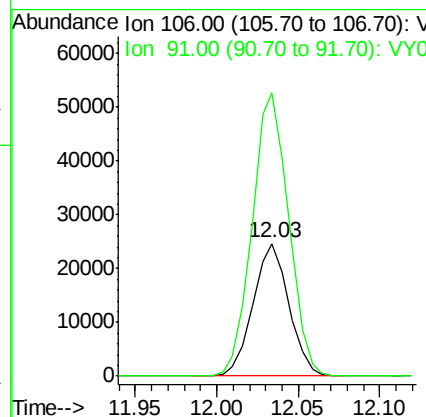
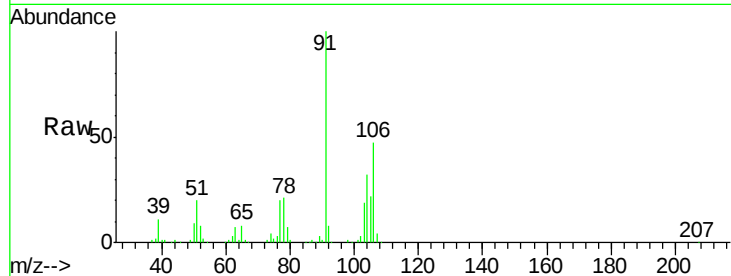
#69
o-Xylene
Concen: 10.301 ug/l
RT: 12.03 min Scan# 1689
Delta R.T. -0.01 min
Lab File: VY001843.D
Acq: 04 Mar 2020 10:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion:106 Resp: 37708
Ion Ratio Lower Upper
106 100
91 216.9 106.8 320.4

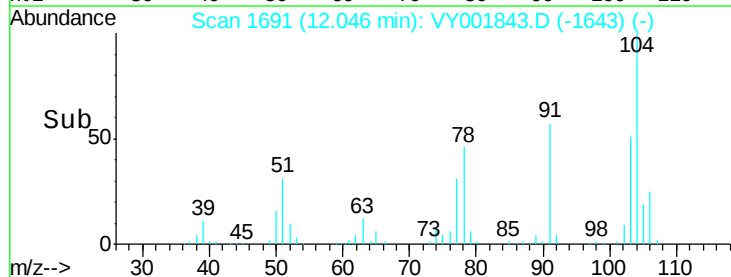
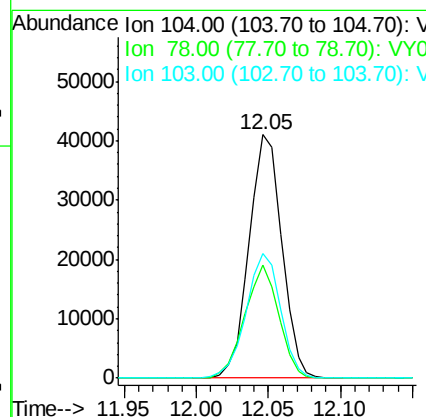
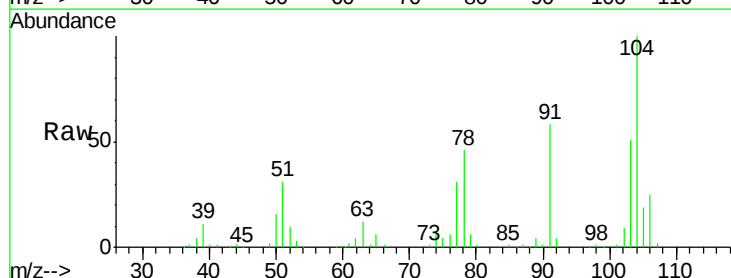
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#70
Styrene
Concen: 10.185 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. -0.01 min
Lab File: VY001843.D
Acq: 04 Mar 2020 10:50

Tgt Ion:104 Resp: 64487
Ion Ratio Lower Upper
104 100
78 48.5 38.5 57.7
103 53.9 42.9 64.3





#71

Bromoform

Concen: 10.173 ug/l

RT: 12.21 min Scan# 1718

Delta R.T. -0.01 min

Lab File: VY001843.D

Acq: 04 Mar 2020 10:50

Instrument :

MSVOA_Y

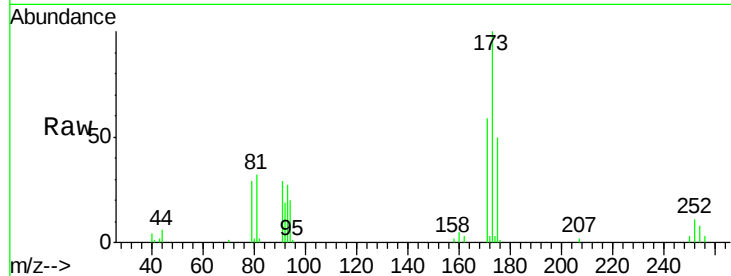
ClientSampleId :

VSTDIC010

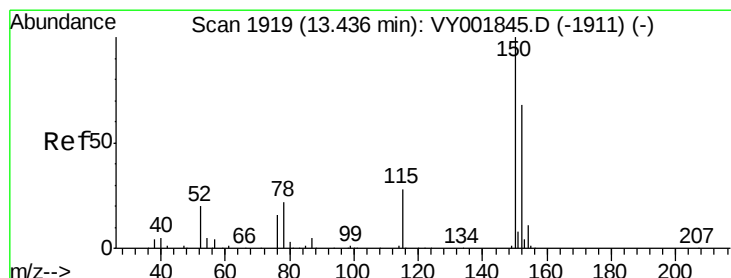
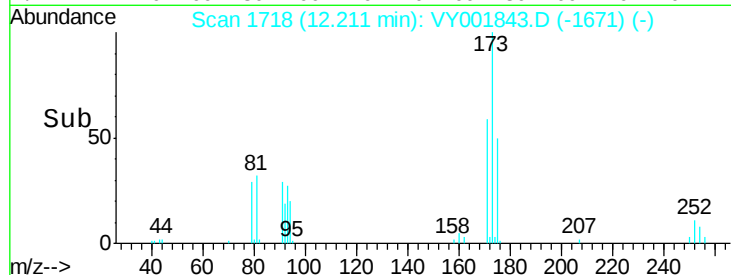
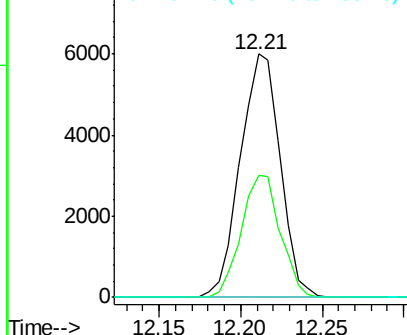
Tot Ion:	173	Resp:	10213
Ion Ratio	Lower	Upper	
173	100		
175	48.9	24.3	72.8
254	0.0	0.0	0.0

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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

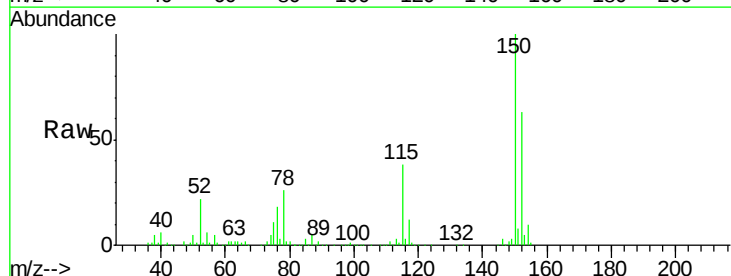
RT: 13.43 min Scan# 1918

Delta R.T. -0.01 min

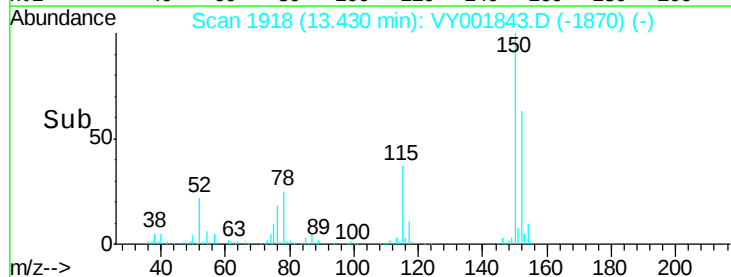
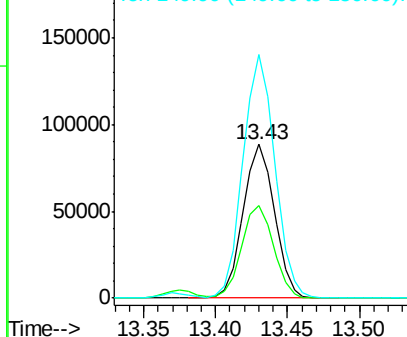
Lab File: VY001843.D

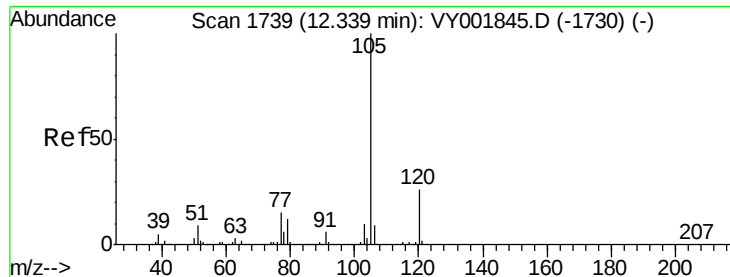
Acq: 04 Mar 2020 10:50

Tgt Ion:	152	Resp:	133387
Ion Ratio	Lower	Upper	
152	100		
115	61.2	29.9	89.7
150	161.4	0.0	340.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 10.445 ug/l

RT: 12.33 min Scan# 1738

Delta R.T. -0.01 min

Lab File: VY001843.D

Acq: 04 Mar 2020 10:50

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion: 105 Resp: 104632

Ion Ratio Lower Upper

105 100

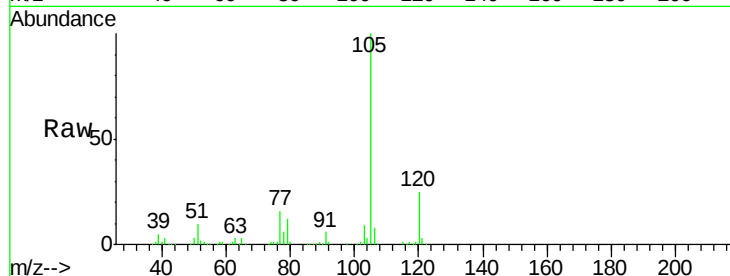
120 25.8 13.1 39.3

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.33

80000

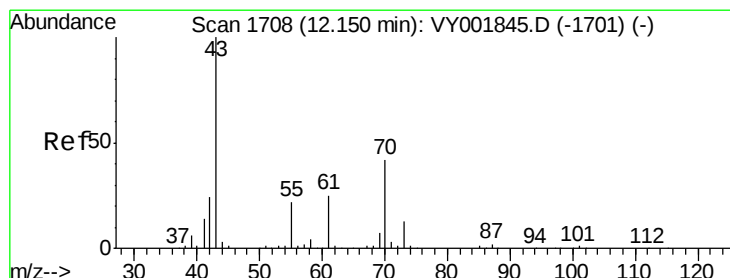
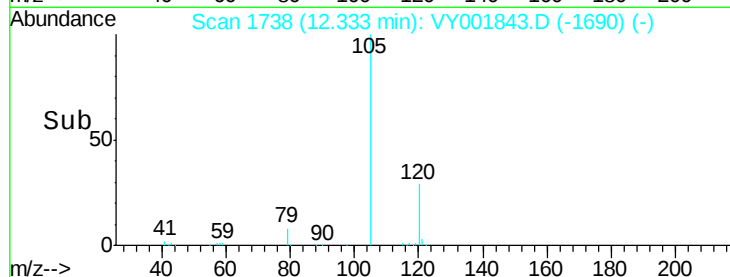
60000

40000

20000

0

Time-->



#74

N-ethyl acetate

Concen: 10.663 ug/l

RT: 12.15 min Scan# 1708

Delta R.T. 0.00 min

Lab File: VY001843.D

Acq: 04 Mar 2020 10:50

Tgt Ion: 43 Resp: 32753

Ion Ratio Lower Upper

43 100

70 43.4 34.7 52.1

55 24.2 18.2 27.4

61 25.2 20.1 30.1

Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0

12.15

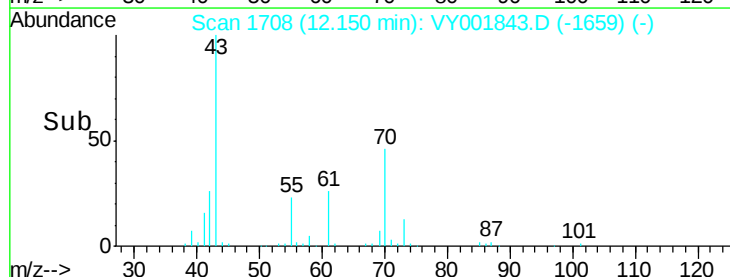
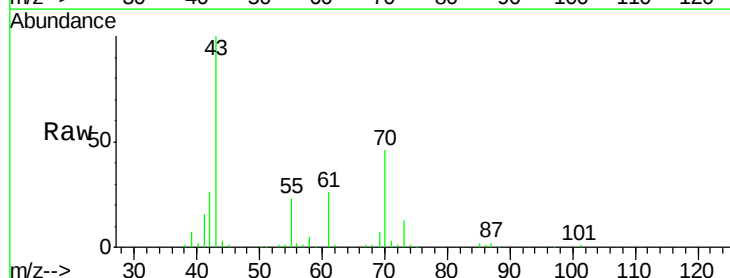
30000

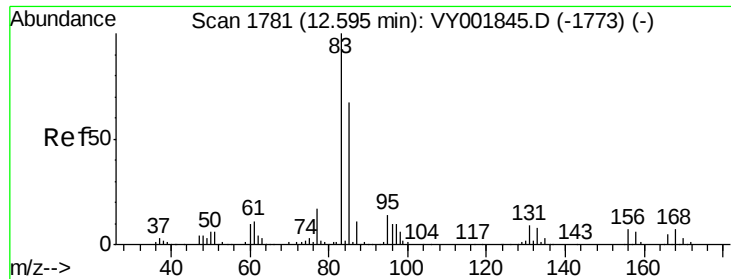
20000

10000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 10.820 ug/l

RT: 12.59 min Scan# 1780

Delta R.T. -0.01 min

Lab File: VY001843.D

Acq: 04 Mar 2020 10:50

Instrument :

MSVOA_Y

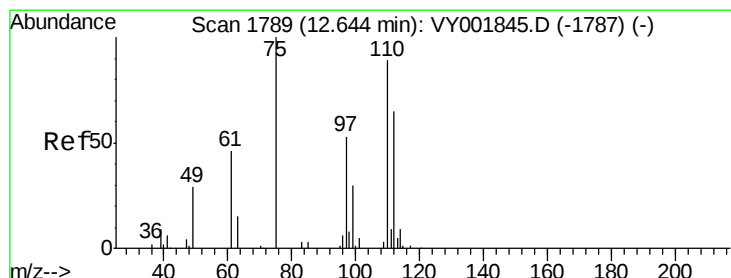
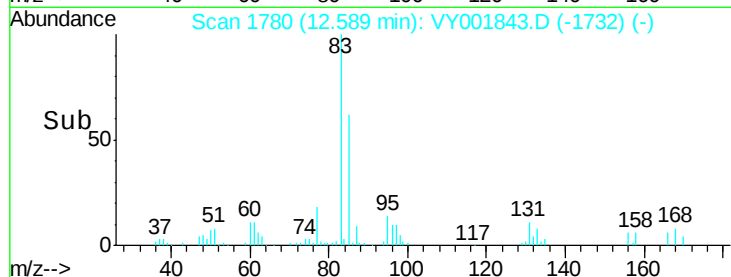
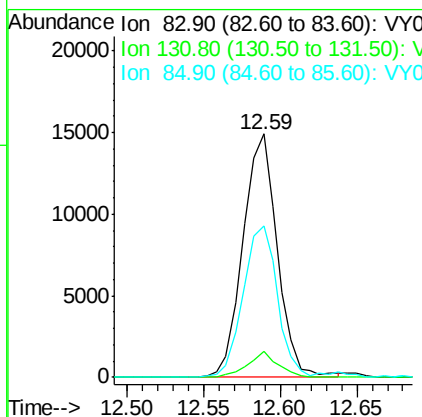
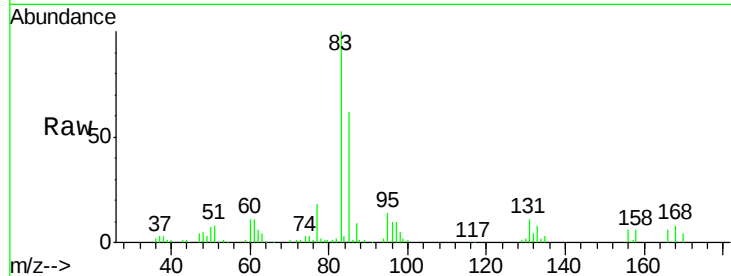
ClientSampleId :

VSTDIC010

Tot Ion:	83	Resp:	23364
Ion Ratio	Lower	Upper	
83	100		
131	9.1	4.6	13.8
85	61.6	32.1	96.3

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#76

1,2,3-Trichloropropane

Concen: 7.254 ug/l m

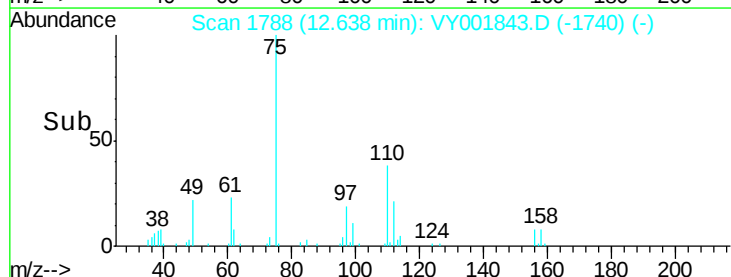
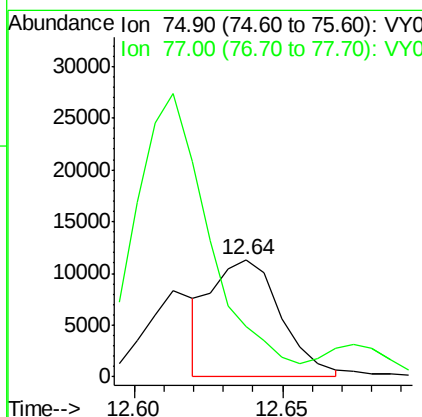
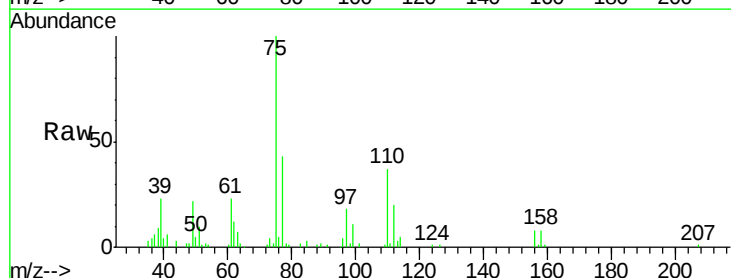
RT: 12.64 min Scan# 1788

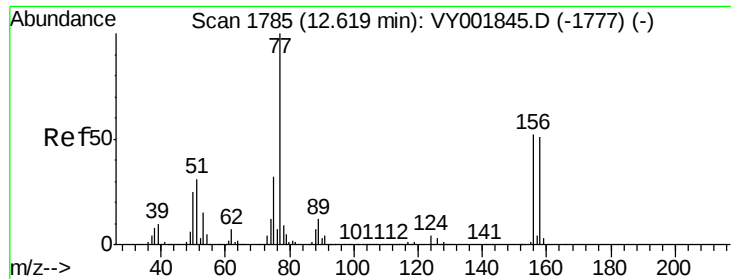
Delta R.T. -0.01 min

Lab File: VY001843.D

Acq: 04 Mar 2020 10:50

Tgt Ion:	75	Resp:	18383
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





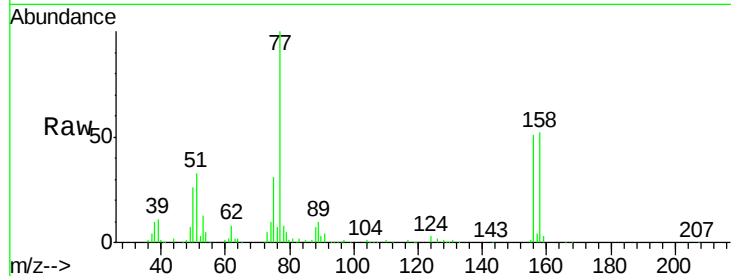
#77
Bromobenzene
Concen: 10.480 ug/l
RT: 12.61 min Scan# 1784
Delta R.T. -0.01 min
Lab File: VY001843.D
Acq: 04 Mar 2020 10:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

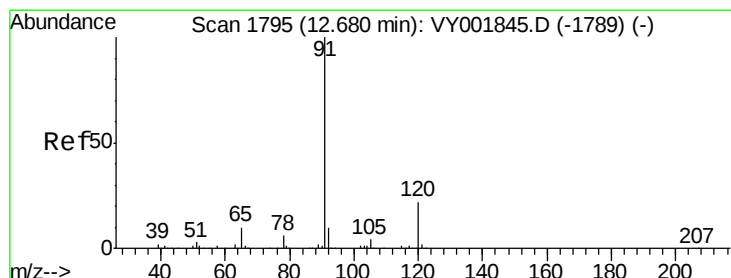
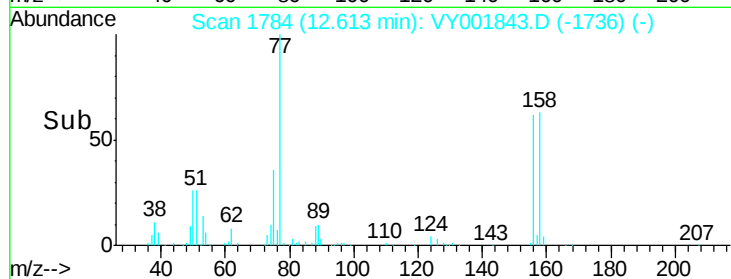
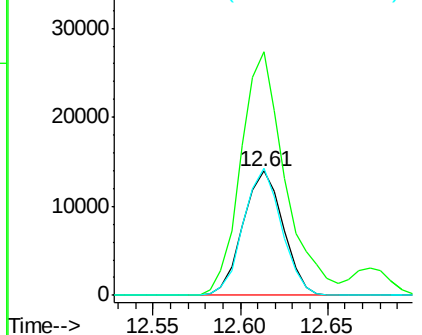
Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	216.5	109.0	327.0	
158	97.6	48.9	146.8	

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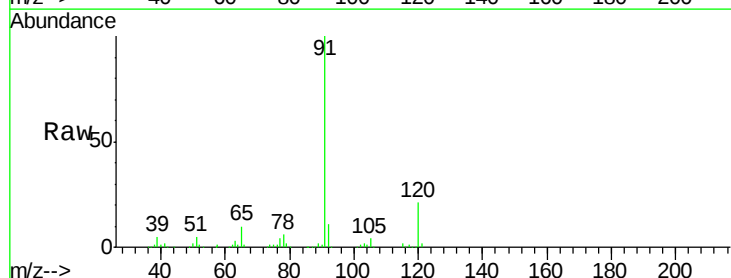


Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VY0
Ion 157.80 (157.50 to 158.50): V

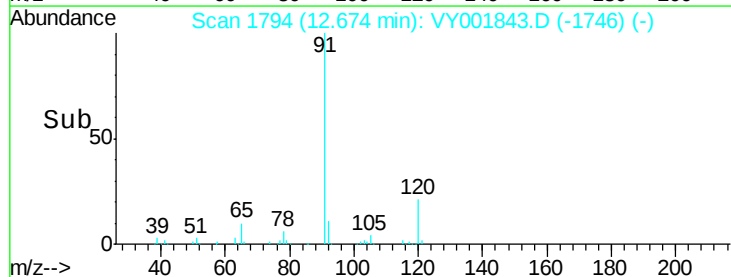
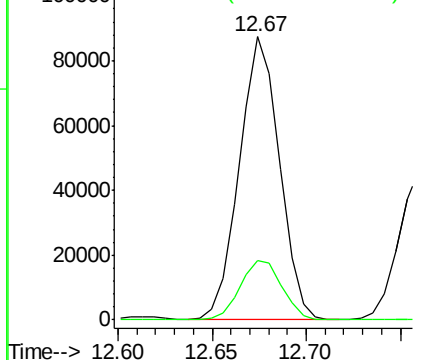


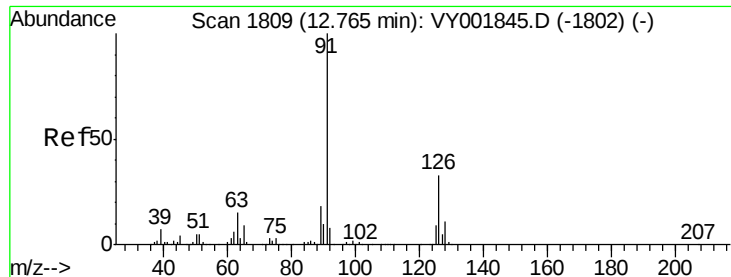
#78
n-propylbenzene
Concen: 10.430 ug/l
RT: 12.67 min Scan# 1794
Delta R.T. -0.01 min
Lab File: VY001843.D
Acq: 04 Mar 2020 10:50

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	21.9	11.0	33.0	



Abundance Ion 91.00 (90.70 to 91.70): VY0
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 10.555 ug/l

RT: 12.76 min Scan# 1808

Delta R.T. -0.01 min

Lab File: VY001843.D

Acq: 04 Mar 2020 10:50

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion: 91 Resp: 72130

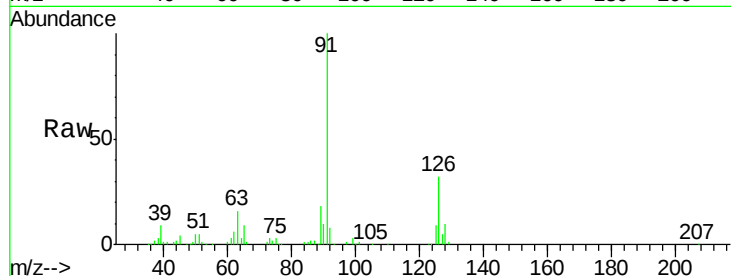
Ion Ratio Lower Upper

91 100

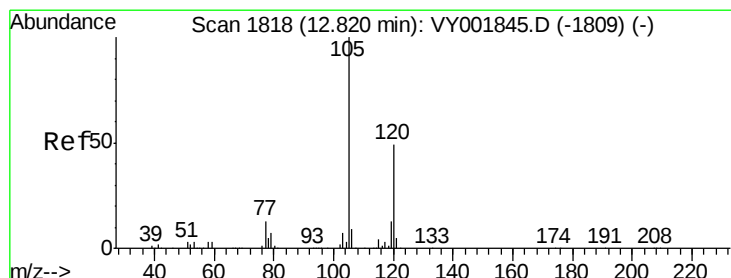
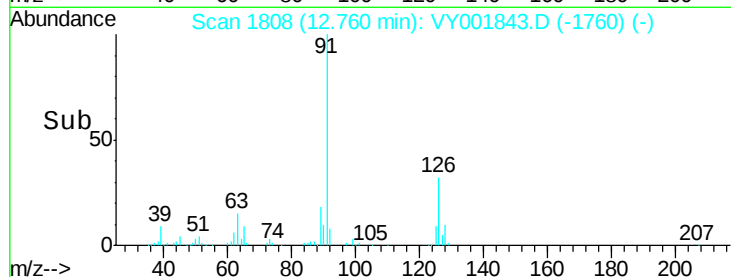
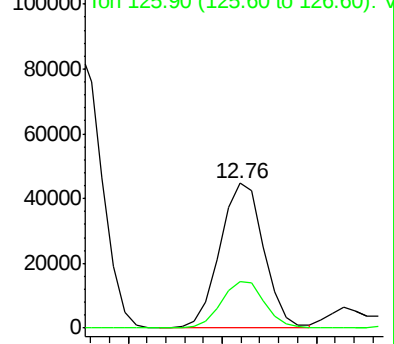
126 32.2 16.3 48.8

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Abundance Ion 91.00 (90.70 to 91.70): VY001843.D (-1760) (-)



#80

1,3,5-Trimethylbenzene

Concen: 10.445 ug/l

RT: 12.81 min Scan# 1817

Delta R.T. -0.01 min

Lab File: VY001843.D

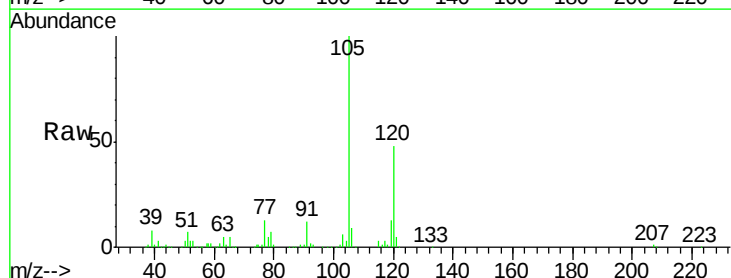
Acq: 04 Mar 2020 10:50

Tgt Ion: 105 Resp: 85680

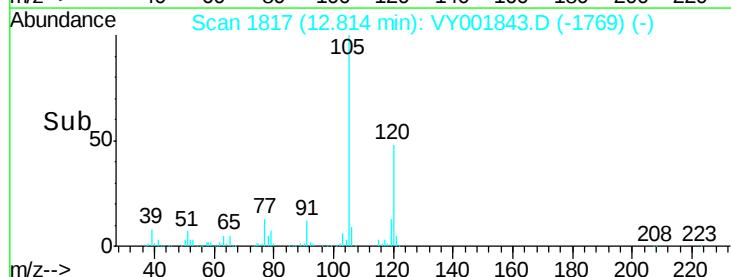
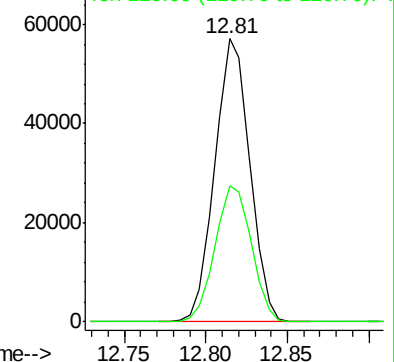
Ion Ratio Lower Upper

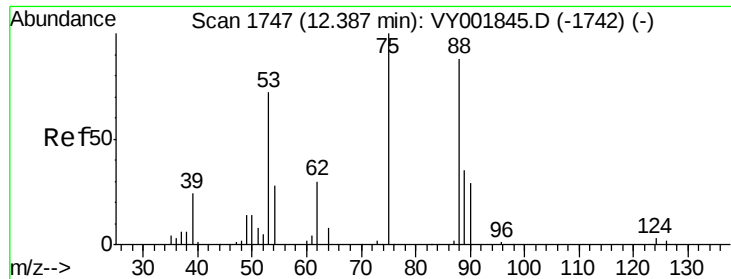
105 100

120 49.9 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): VY001843.D (-1769) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 10.247 ug/l

RT: 12.38 min Scan# 1746

Delta R.T. -0.01 min

Lab File: VY001843.D

Acq: 04 Mar 2020 10:50

Instrument :

MSVOA_Y

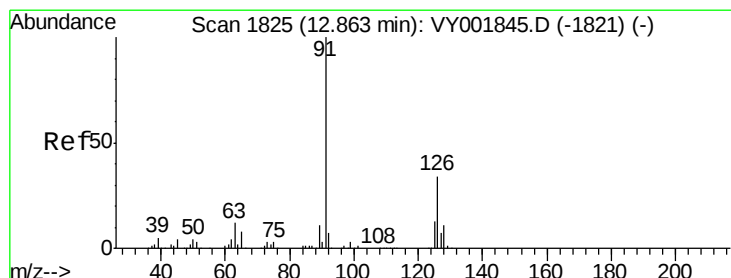
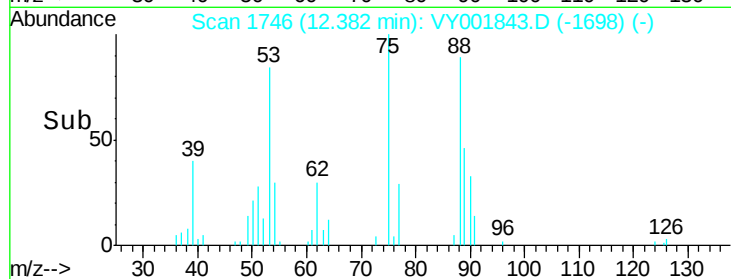
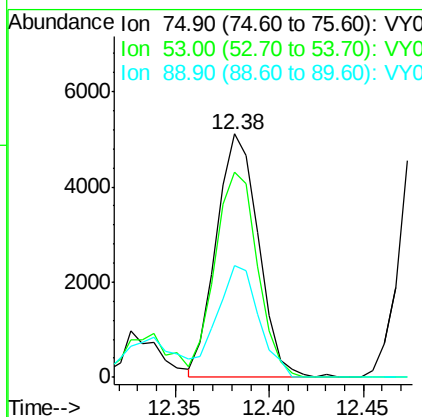
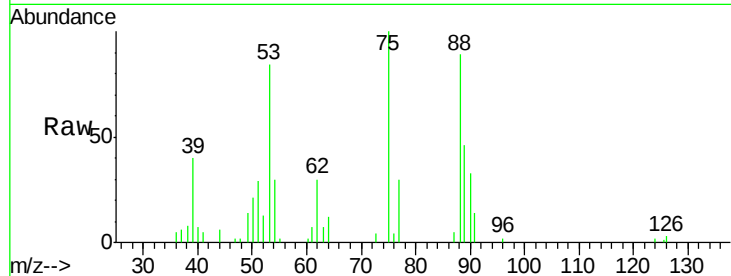
ClientSampleId :

VSTDIC010

Tot Ion:	75	Resp:	7944
Ion	Ratio	Lower	Upper
75	100		
53	84.9	65.4	98.0
89	45.9	36.0	54.0

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#82

4-Chlorotoluene

Concen: 10.411 ug/l

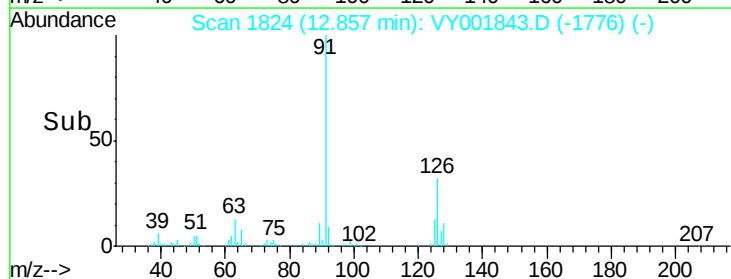
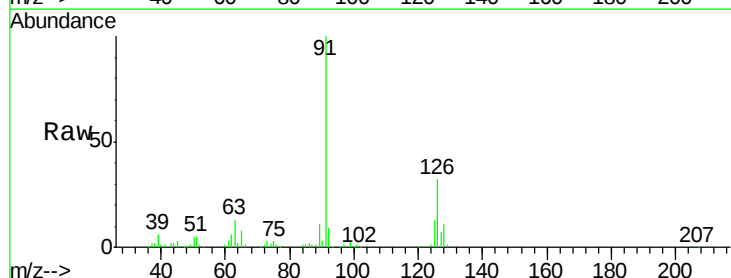
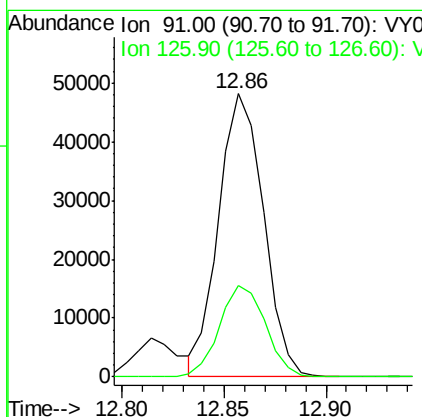
RT: 12.86 min Scan# 1824

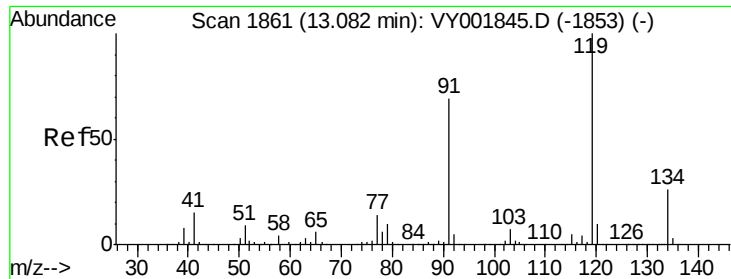
Delta R.T. -0.01 min

Lab File: VY001843.D

Acq: 04 Mar 2020 10:50

Tgt Ion:	91	Resp:	73687
Ion	Ratio	Lower	Upper
91	100		
126	33.1	16.4	49.2





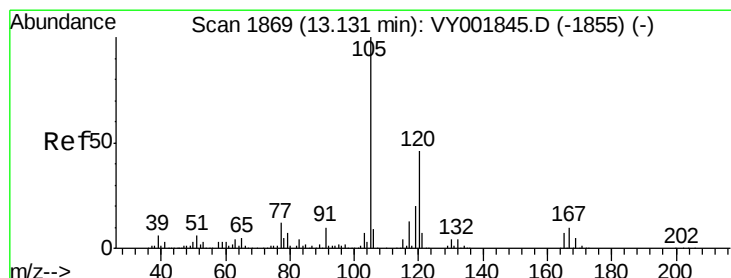
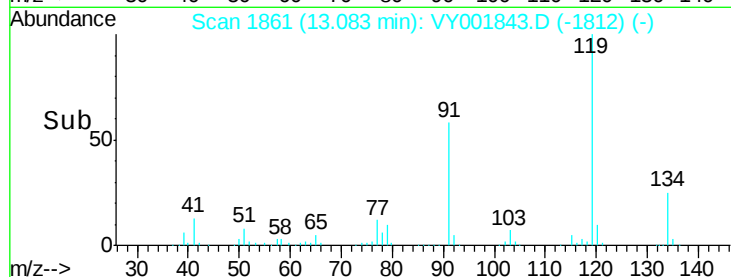
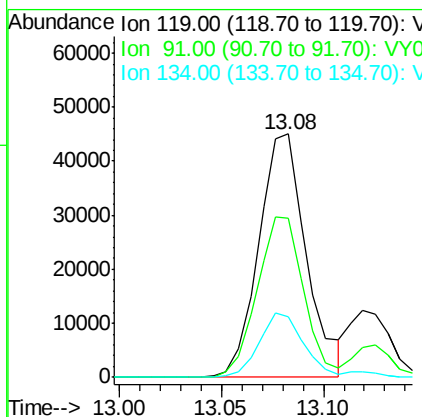
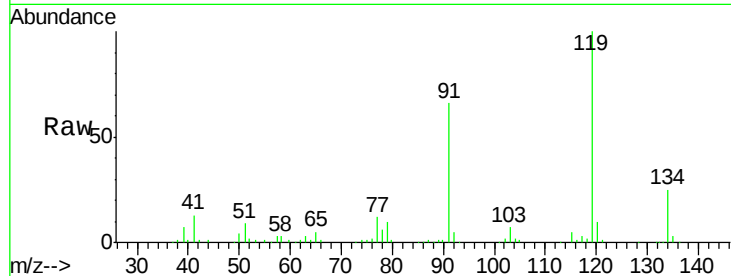
#83
tert-Butylbenzene
Concen: 10.703 ug/l
RT: 13.08 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VY001843.D
Acq: 04 Mar 2020 10:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.2	34.0	101.8
134	26.3	13.5	40.4

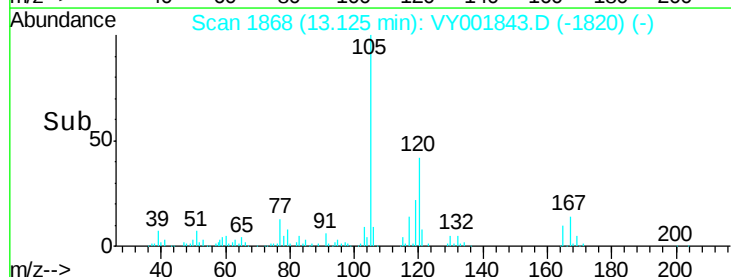
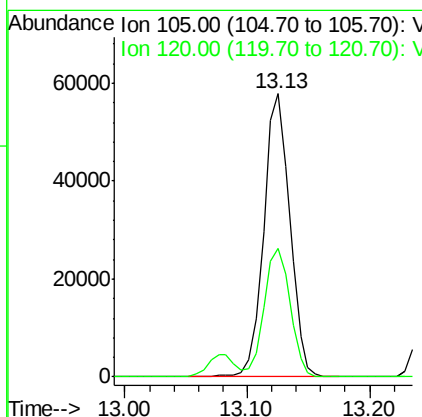
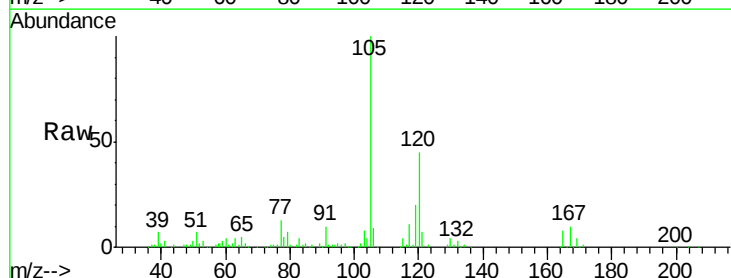
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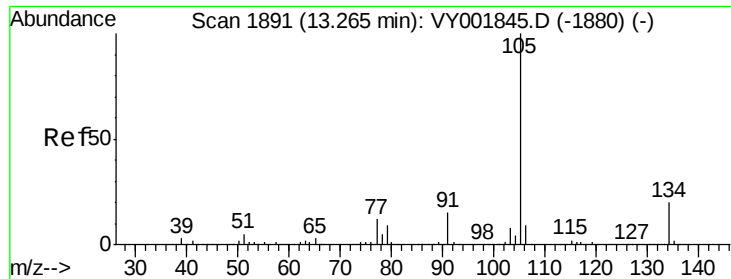
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#84
1,2,4-Trimethylbenzene
Concen: 10.482 ug/l
RT: 13.13 min Scan# 1868
Delta R.T. -0.01 min
Lab File: VY001843.D
Acq: 04 Mar 2020 10:50

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.6	22.6	67.7





#85

sec-Butylbenzene

Concen: 10.494 ug/l

RT: 13.26 min Scan# 1890

Delta R.T. -0.01 min

Lab File: VY001843.D

Acq: 04 Mar 2020 10:50

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion:105 Resp: 106205

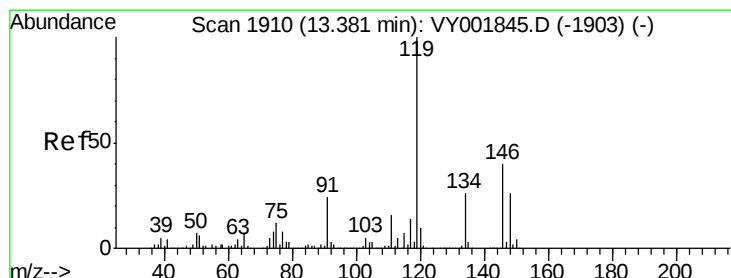
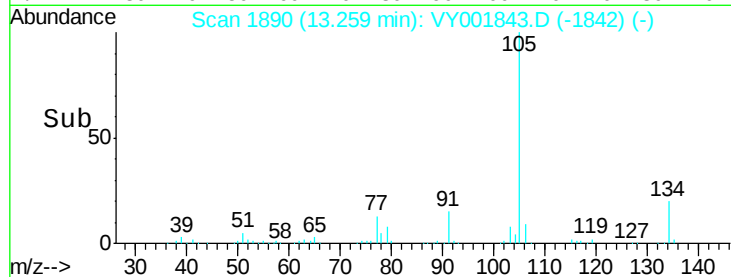
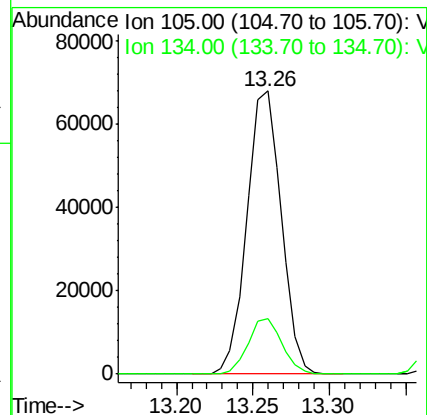
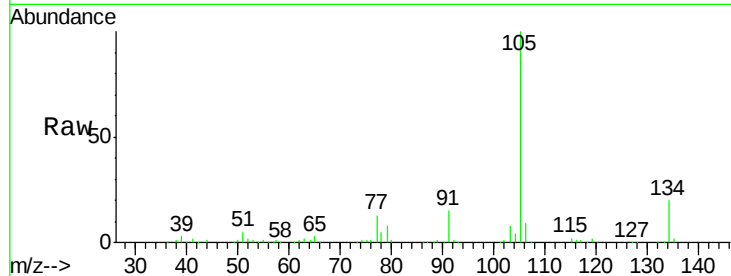
Ion Ratio Lower Upper

105 100

134 19.4 9.7 29.1

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#86

p-Isopropyltoluene

Concen: 10.671 ug/l

RT: 13.38 min Scan# 1909

Delta R.T. -0.01 min

Lab File: VY001843.D

Acq: 04 Mar 2020 10:50

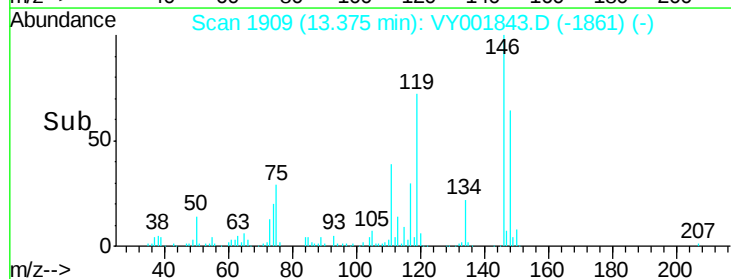
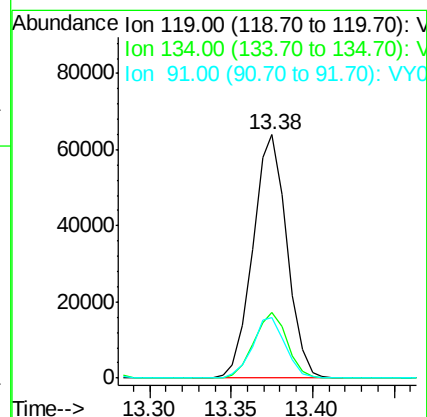
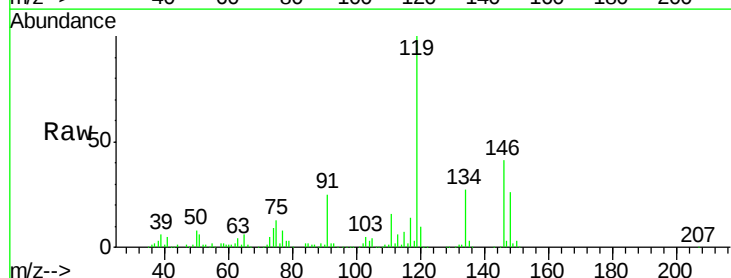
Tgt Ion:119 Resp: 92747

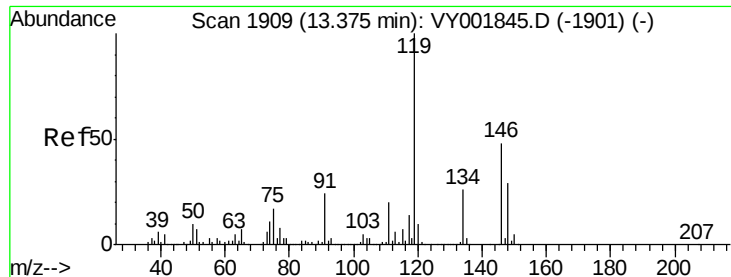
Ion Ratio Lower Upper

119 100

134 26.3 13.1 39.3

91 24.4 11.9 35.7





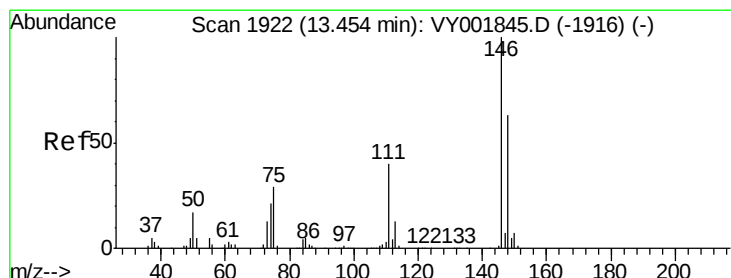
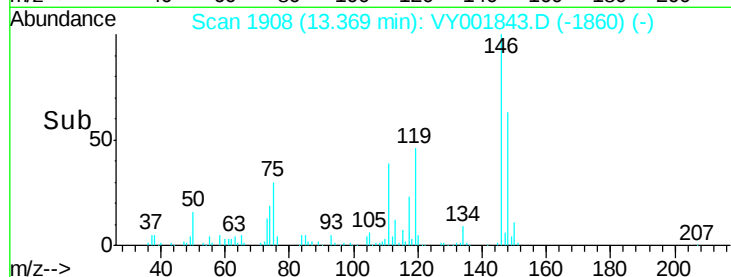
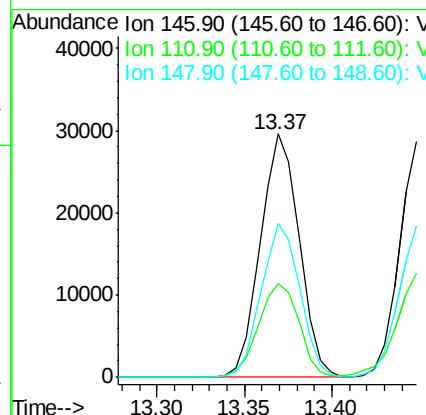
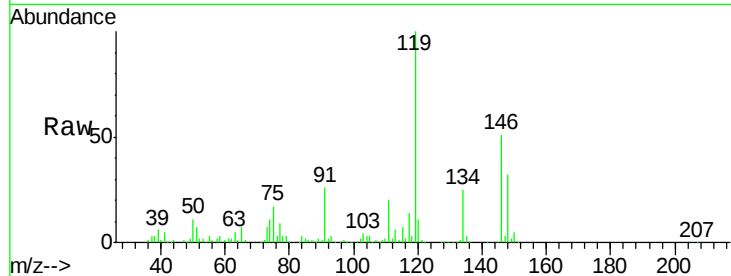
#87
 1,3-Dichlorobenzene
 Concen: 10.918 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. -0.01 min
 Lab File: VY001843.D
 Acq: 04 Mar 2020 10:50

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.8	62.5
148	63.1	31.4	94.0

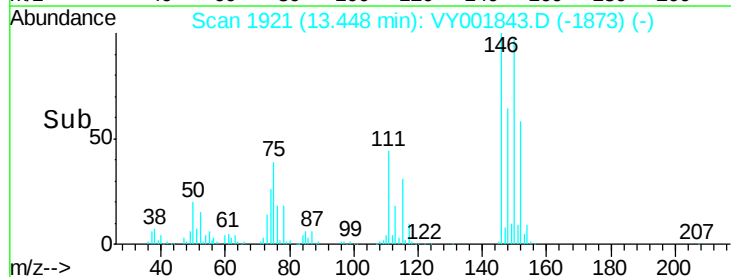
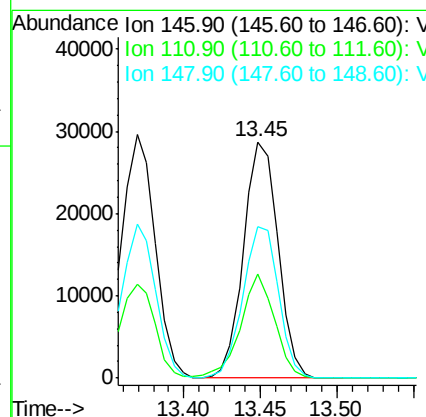
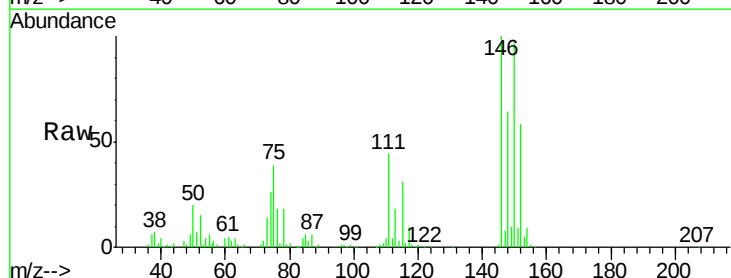
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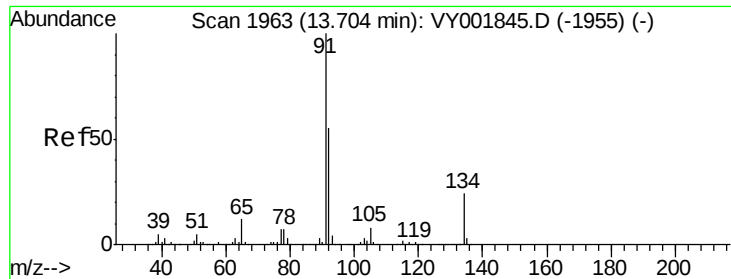
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#88
 1,4-Dichlorobenzene
 Concen: 10.732 ug/l
 RT: 13.45 min Scan# 1921
 Delta R.T. -0.01 min
 Lab File: VY001843.D
 Acq: 04 Mar 2020 10:50

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.4	20.0	60.0
148	66.0	31.5	94.5





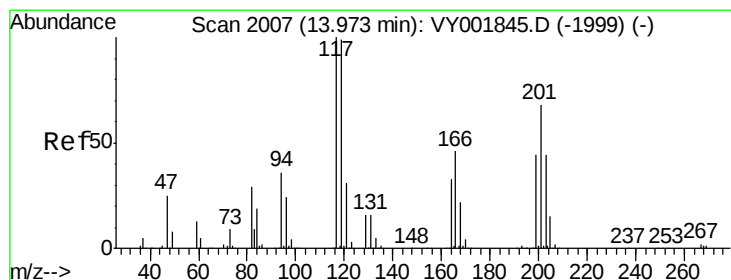
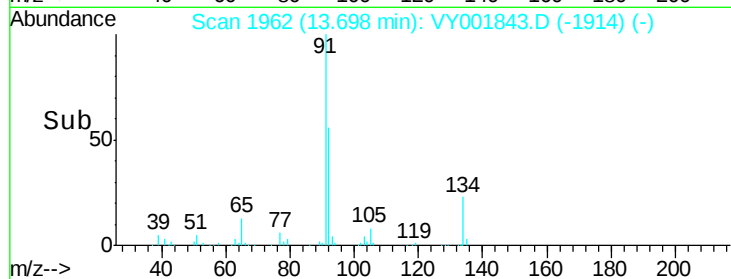
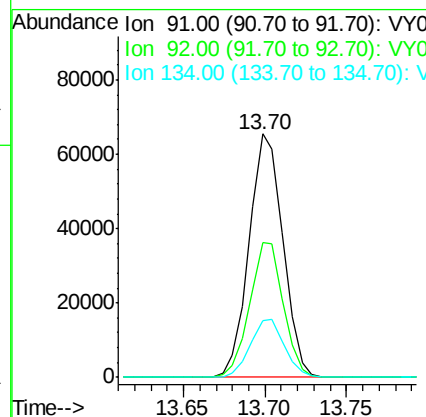
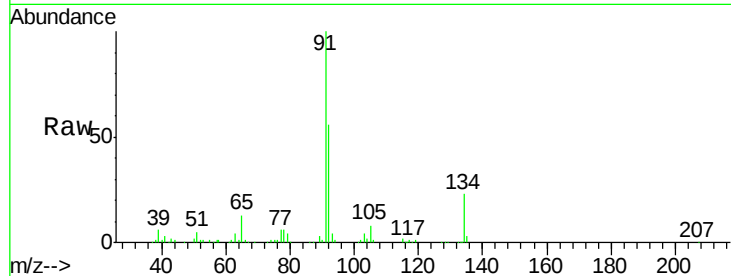
#89
n-Butylbenzene
Concen: 10.575 ug/l
RT: 13.70 min Scan# 1962
Delta R.T. -0.01 min
Lab File: VY001843.D
Acq: 04 Mar 2020 10:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.2	27.5	82.4
134	24.3	12.5	37.5

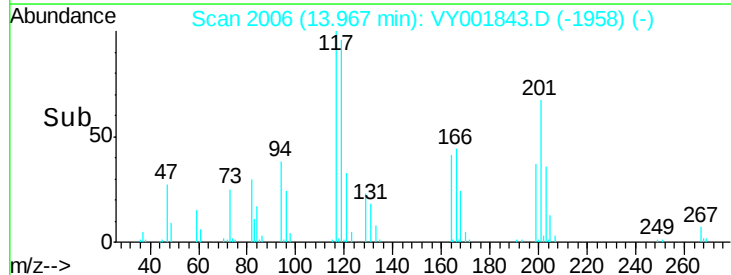
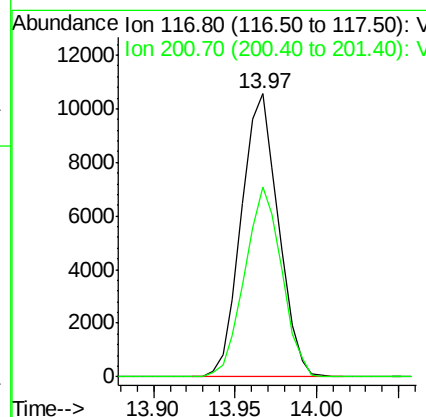
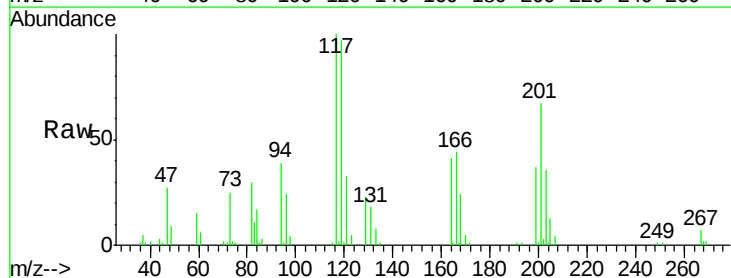
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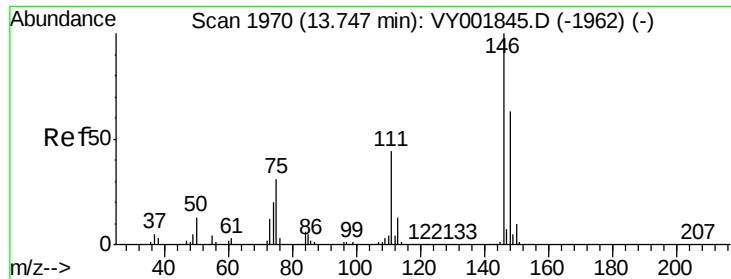
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#90
Hexachloroethane
Concen: 10.277 ug/l
RT: 13.97 min Scan# 2006
Delta R.T. -0.01 min
Lab File: VY001843.D
Acq: 04 Mar 2020 10:50

Tgt Ion	Ratio	Lower	Upper
117	100		
201	66.9	32.5	97.5





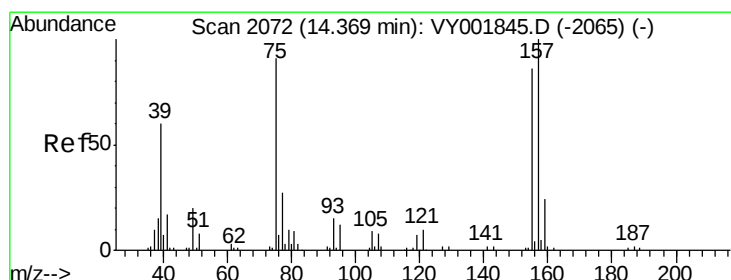
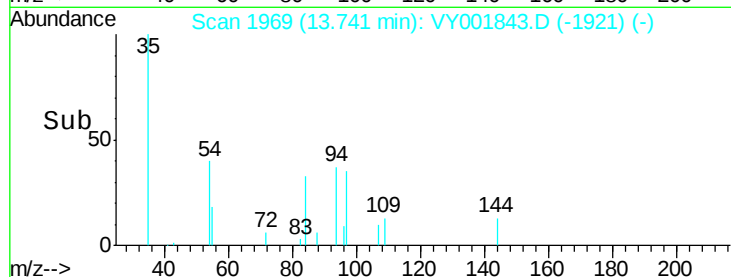
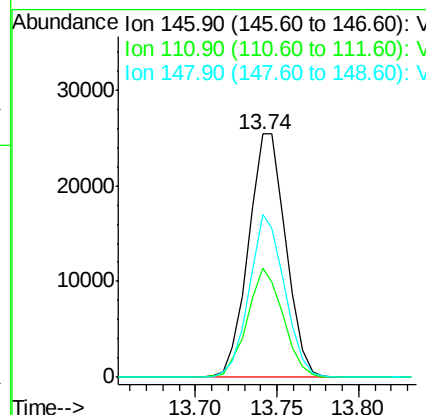
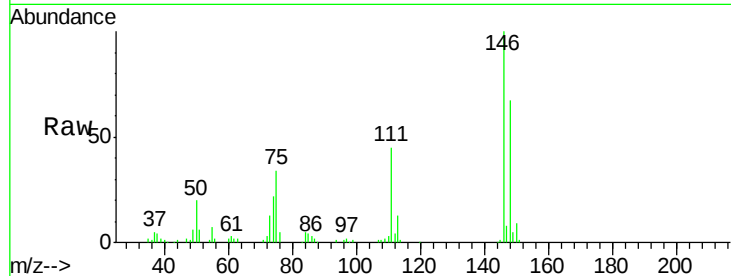
#91
 1,2-Dichlorobenzene
 Concen: 10.720 ug/l
 RT: 13.74 min Scan# 1969
 Delta R.T. -0.01 min
 Lab File: VY001843.D
 Acq: 04 Mar 2020 10:50

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.5	64.5
148	63.2	32.0	96.0

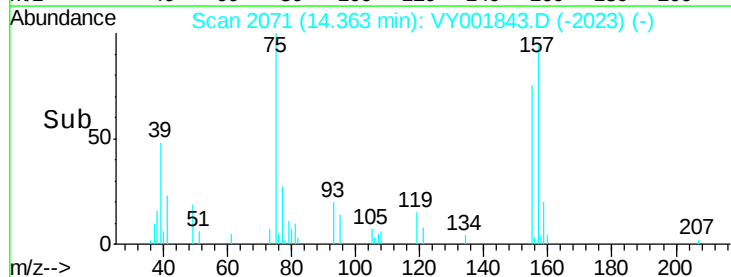
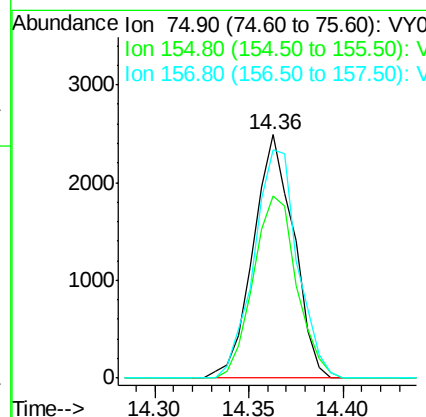
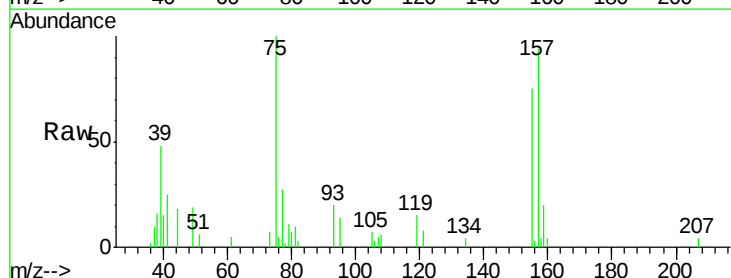
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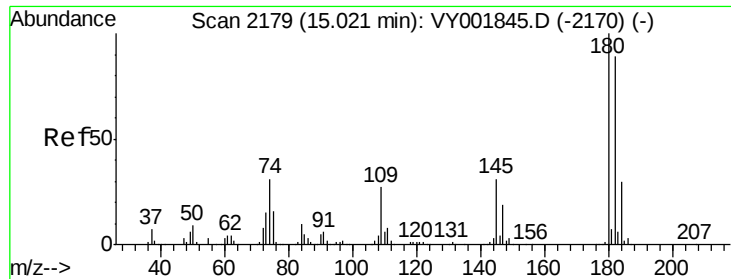
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 11.014 ug/l
 RT: 14.36 min Scan# 2071
 Delta R.T. -0.01 min
 Lab File: VY001843.D
 Acq: 04 Mar 2020 10:50

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.1	42.9	128.7
157	100.9	53.1	159.4





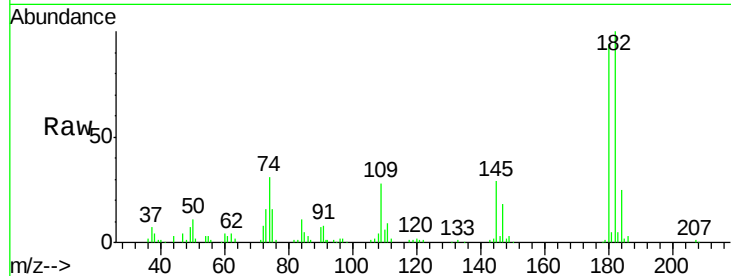
#93
1,2,4-Trichlorobenzene
Concen: 10.944 ug/l
RT: 15.02 min Scan# 2178
Delta R.T. -0.01 min
Lab File: VY001843.D
Acq: 04 Mar 2020 10:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

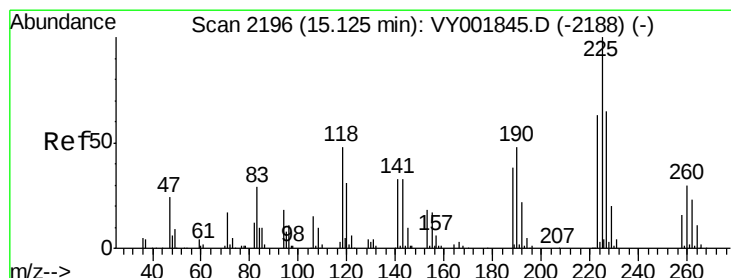
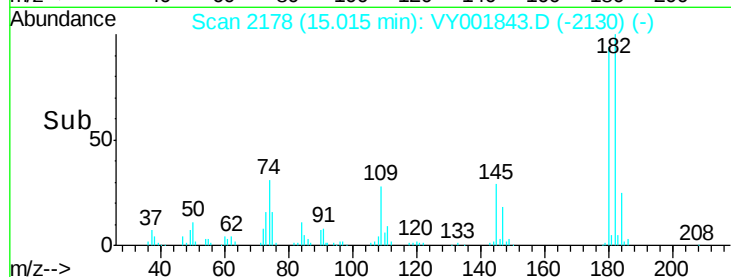
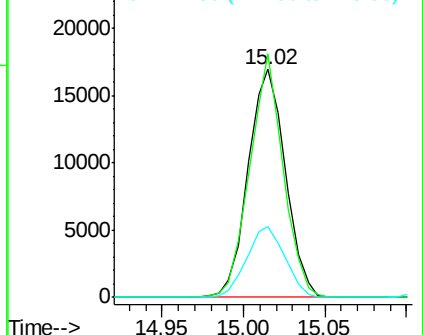
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	46.1	138.3
145	31.8	15.6	46.8

Manual Integrations
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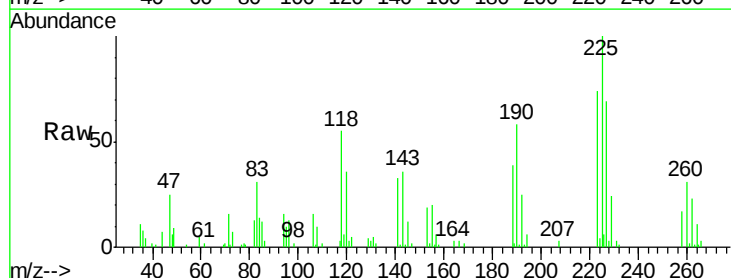


Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

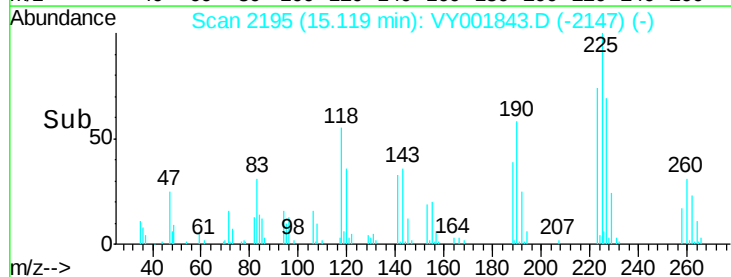
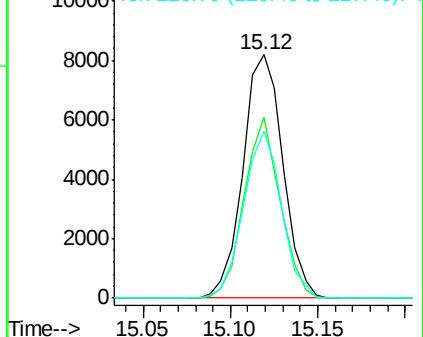


#94
Hexachlorobutadiene
Concen: 10.923 ug/l
RT: 15.12 min Scan# 2195
Delta R.T. -0.01 min
Lab File: VY001843.D
Acq: 04 Mar 2020 10:50

Tgt Ion	Ratio	Lower	Upper
225	100		
223	66.9	31.5	94.5
227	65.1	31.9	95.5



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





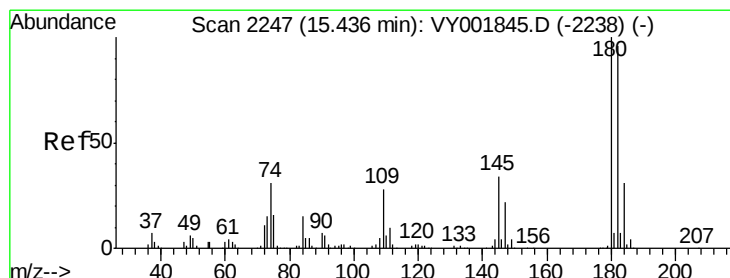
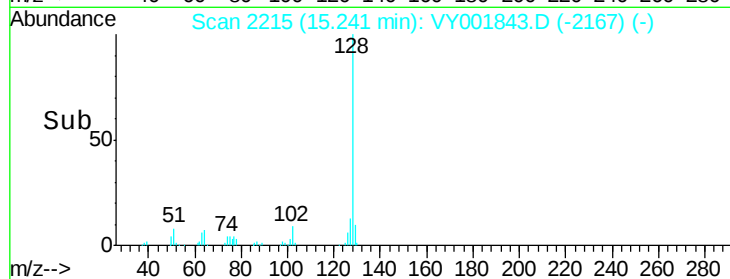
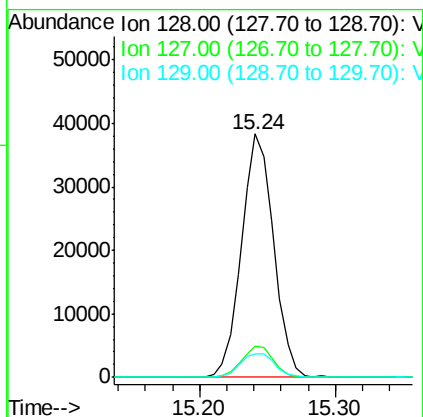
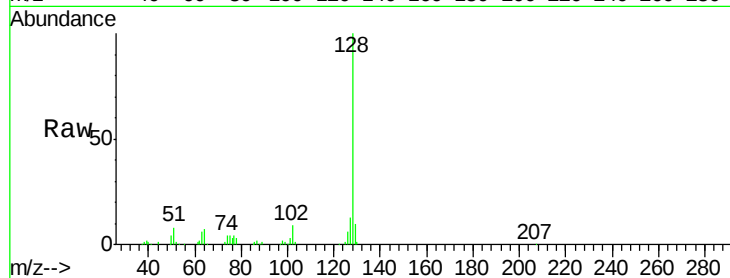
#95
Naphthalene
Concen: 10.935 ug/l
RT: 15.24 min Scan# 2215
Delta R.T. -0.01 min
Lab File: VY001843.D
Acq: 04 Mar 2020 10:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.1	15.1
129	10.7	8.6	13.0

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 11.098 ug/l
RT: 15.43 min Scan# 2246
Delta R.T. -0.01 min
Lab File: VY001843.D
Acq: 04 Mar 2020 10:50

Tgt Ion	Ratio	Lower	Upper
180	100		
182	91.0	47.6	142.9
145	32.6	16.8	50.3

