

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY091719\
 Data File : VY000051.D
 Acq On : 17 Sep 2019 10:12
 Operator : SY/MD
 Sample : VSTDIC005
 Misc : 5.00g/5.00ml/MSVOA Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 9/19/2019 1:29:45 AM

Quant Time: Sep 17 12:22:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y091719S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 12:06:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.79	168	126630	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	243268	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	208616	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	89223	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	6915	5.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.18%	
35) Dibromofluoromethane	7.72	113	6947	4.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.92%	
50) Toluene-d8	10.18	98	27947	4.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.98%	
62) 4-Bromofluorobenzene	12.48	95	10393	5.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.24%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.90	85	6014	6.382	ug/l	77
3) Chloromethane	2.11	50	11136	7.339	ug/l	97
4) Vinyl Chloride	2.25	62	8418	5.963	ug/l	90
5) Bromomethane	2.64	94	5960	6.555	ug/l	84
6) Chloroethane	2.79	64	5207	5.518	ug/l	93
7) Trichlorofluoromethane	3.11	101	11595	6.219	ug/l	93
8) Diethyl Ether	3.53	74	4447	5.771	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.90	101	6818	5.358	ug/l #	84
10) Methyl Iodide	4.10	142	6693	4.837	ug/l #	44
11) Tert butyl alcohol	4.96	59	4799m	27.420	ug/l	
12) 1,1-Dichloroethene	3.86	96	6536	5.536	ug/l #	77
13) Acrolein	3.73	56	3247	26.238	ug/l	91
14) Allyl chloride	4.48	41	9908	5.402	ug/l	96
15) Acrylonitrile	5.17	53	12735	26.238	ug/l	99
16) Acetone	3.95	43	8568	22.826	ug/l #	86
17) Carbon Disulfide	4.19	76	15869	6.676	ug/l	99
18) Methyl Acetate	4.48	43	6948	6.453	ug/l	94
19) Methyl tert-butyl Ether	5.22	73	18583	5.134	ug/l #	90
20) Methylene Chloride	4.71	84	9702	6.320	ug/l #	86
21) trans-1,2-Dichloroethene	5.21	96	8264	6.289	ug/l #	80
22) Diisopropyl ether	6.12	45	20754	5.101	ug/l #	92
23) Vinyl Acetate	6.06	43	68115	24.304	ug/l	95
24) 1,1-Dichloroethane	6.01	63	13253	5.484	ug/l	99
25) 2-Butanone	6.99	43	16798	27.182	ug/l #	85
26) 2,2-Dichloropropane	6.98	77	14691	6.587	ug/l	89
27) cis-1,2-Dichloroethene	6.99	96	9091	5.506	ug/l	89
28) Bromochloromethane	7.32	49	5833	5.362	ug/l #	89
29) Tetrahydrofuran	7.35	42	9432	25.579	ug/l	94
30) Chloroform	7.51	83	13136	5.259	ug/l	92
31) Cyclohexane	7.78	56	13962	7.016	ug/l #	79
32) 1,1,1-Trichloroethane	7.71	97	11255	5.538	ug/l	95
36) 1,1-Dichloropropene	7.92	75	10197	5.657	ug/l	97
37) Ethyl Acetate	7.08	43	5960	4.884	ug/l #	88
38) Carbon Tetrachloride	7.90	117	8674	5.091	ug/l #	93

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Instrument :
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Manual Integrations
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MMDadoda
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 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 12:06:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	12757	5.706	ug/l	98
40) Benzene	8.15	78	31612	5.350	ug/l	99
41) Methacrylonitrile	7.32	41	3827m	5.436	ug/l	
42) 1,2-Dichloroethane	8.24	62	8144	5.371	ug/l	99
43) Isopropyl Acetate	8.27	43	11882	5.014	ug/l #	91
44) Trichloroethene	8.94	130	8687	5.897	ug/l	84
45) 1,2-Dichloropropane	9.21	63	8021	5.276	ug/l	89
46) Dibromomethane	9.31	93	4368	5.170	ug/l	98
47) Bromodichloromethane	9.50	83	10059	4.989	ug/l	88
48) Methyl methacrylate	9.29	41	5279	5.035	ug/l	99
49) 1,4-Dioxane	9.29	88	1629	91.998	ug/l #	86
51) 4-Methyl-2-Pentanone	10.07	43	31511	23.852	ug/l	100
52) Toluene	10.24	92	19919	5.373	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	10539	4.965	ug/l	95
54) cis-1,3-Dichloropropene	9.93	75	12434	5.021	ug/l	97
55) 1,1,2-Trichloroethane	10.65	97	6534	4.853	ug/l #	93
56) Ethyl methacrylate	10.51	69	9473	5.022	ug/l	97
57) 1,3-Dichloropropane	10.79	76	11443	5.331	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.78	63	24707	24.506	ug/l	100
59) 2-Hexanone	10.83	43	21850	22.854	ug/l	95
60) Dibromochloromethane	10.98	129	6771	4.811	ug/l	94
61) 1,2-Dibromoethane	11.09	107	5890	4.963	ug/l	99
64) Tetrachloroethene	10.72	164	7262	5.608	ug/l	93
65) Chlorobenzene	11.51	112	21018	5.216	ug/l	90
66) 1,1,1,2-Tetrachloroethane	11.59	131	6728	4.804	ug/l	94
67) Ethyl Benzene	11.59	91	37695	5.148	ug/l	98
68) m/p-Xylenes	11.70	106	27952	10.101	ug/l	92
69) o-Xylene	12.03	106	13532	4.988	ug/l	99
70) Styrene	12.04	104	22784	4.829	ug/l	99
71) Bromoform	12.20	173	3816	4.543	ug/l #	99
73) Isopropylbenzene	12.33	105	37600	5.407	ug/l	99
74) N-amyl acetate	12.14	43	10064	4.933	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.59	83	8559	5.166	ug/l	97
76) 1,2,3-Trichloropropane	12.63	75	6523m	5.264	ug/l	
77) Bromobenzene	12.60	156	7712	5.279	ug/l	98
78) n-propylbenzene	12.67	91	43912	5.166	ug/l	98
79) 2-Chlorotoluene	12.75	91	25645	5.398	ug/l	95
80) 1,3,5-Trimethylbenzene	12.81	105	30566	5.282	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.37	75	3539	5.580	ug/l #	91
82) 4-Chlorotoluene	12.85	91	26073	5.241	ug/l	98
83) tert-Butylbenzene	13.07	119	25379	5.098	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	29634	5.174	ug/l	97
85) sec-Butylbenzene	13.25	105	37158	5.059	ug/l	99
86) p-Isopropyltoluene	13.37	119	32303	5.170	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	14678	4.974	ug/l	95
88) 1,4-Dichlorobenzene	13.44	146	14706	4.964	ug/l	88
89) n-Butylbenzene	13.69	91	32580	5.142	ug/l	99
90) Hexachloroethane	13.96	117	6187	4.968	ug/l	96
91) 1,2-Dichlorobenzene	13.74	146	13931	5.087	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.36	75	1500	4.675	ug/l	94

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MSVOA_Y
ClientSampleId :
VSTDICC005

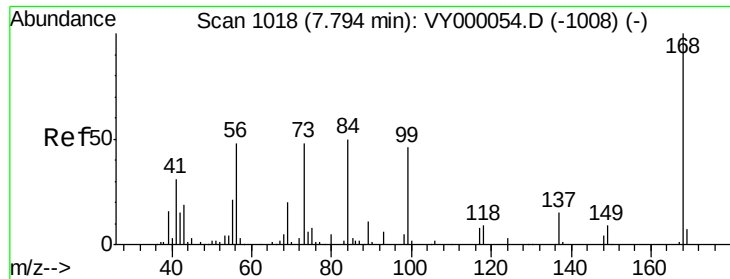
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Tue Sep 17 12:06:19 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	8143	4.657	ug/l	97
94) Hexachlorobutadiene	15.11	225	4333	5.398	ug/l	95
95) Naphthalene	15.23	128	22811	4.783	ug/l	98
96) 1,2,3-Trichlorobenzene	15.42	180	7941	5.061	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.79 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VY000051.D

Acq: 17 Sep 2019 10:12

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 126630

Ion Ratio Lower Upper

168 100

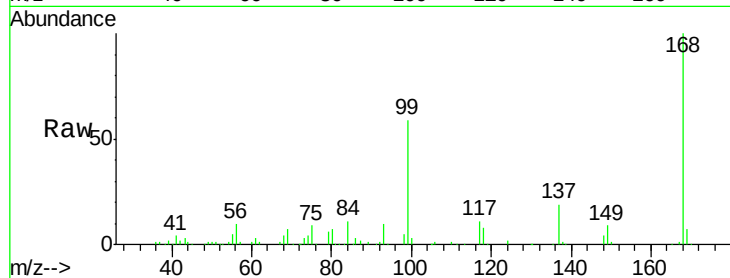
99 59.1 44.2 66.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VY000054.D (-1008) (-)

Ion 98.90 (98.60 to 99.60): VY000054.D (-1008) (-)

7.79

60000

50000

40000

30000

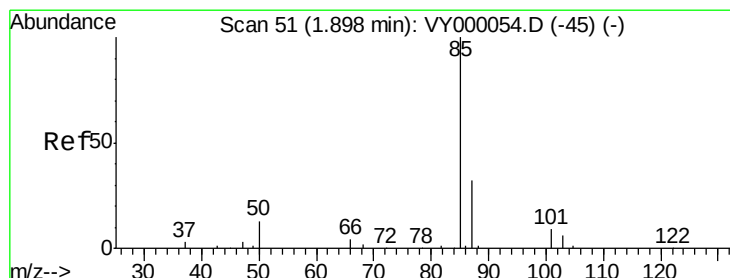
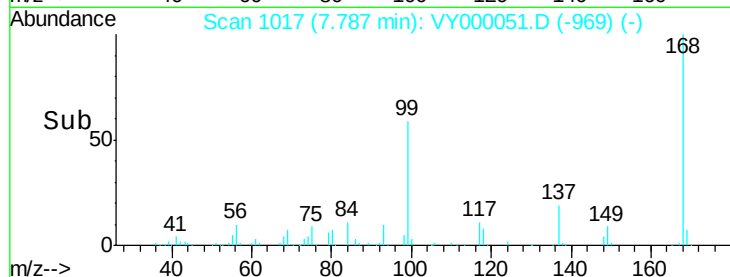
20000

10000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 6.382 ug/l

RT: 1.90 min Scan# 51

Delta R.T. -0.00 min

Lab File: VY000051.D

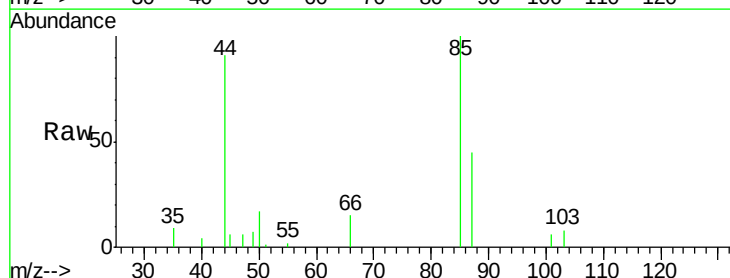
Acq: 17 Sep 2019 10:12

Tgt Ion: 85 Resp: 6014

Ion Ratio Lower Upper

85 100

87 45.0 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VY000054.D (-45) (-)

Ion 86.90 (86.60 to 87.60): VY000054.D (-45) (-)

1.90

4000

3000

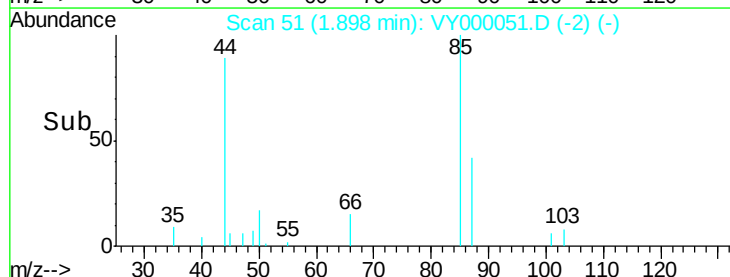
2000

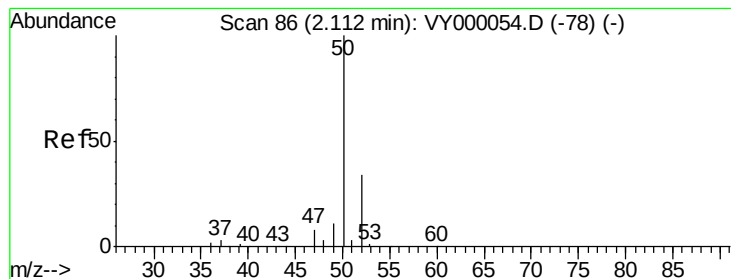
1000

0

1.80 1.85 1.90 1.95 2.00

Time-->





#3

Chloromethane

Concen: 7.339 ug/l

RT: 2.11 min Scan# 86

Delta R.T. -0.00 min

Lab File: VY000051.D

Acq: 17 Sep 2019 10:12

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 11136

Ion Ratio Lower Upper

50 100

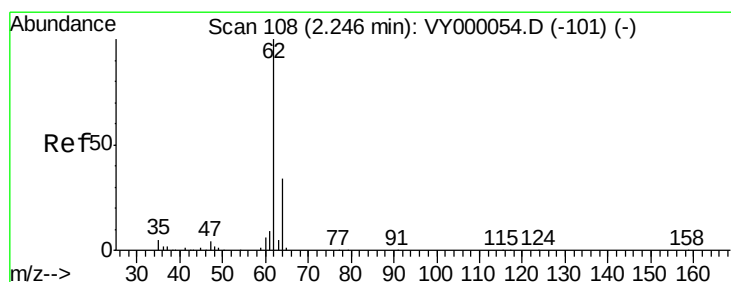
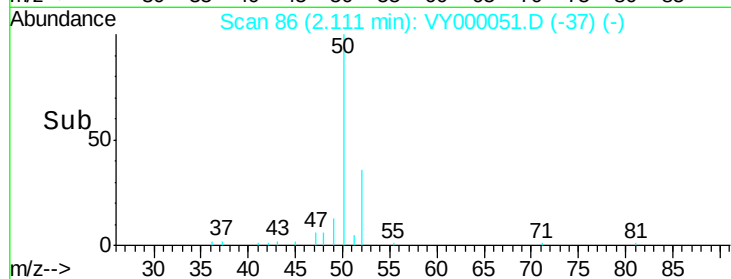
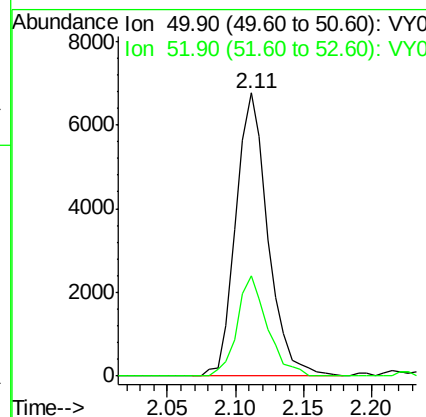
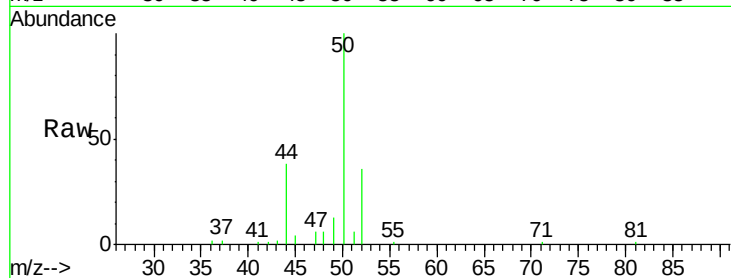
52 35.6 27.3 40.9

Manual Integrations

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9/19/2019 1:29:45 AM



#4

Vinyl Chloride

Concen: 5.963 ug/l

RT: 2.25 min Scan# 109

Delta R.T. 0.01 min

Lab File: VY000051.D

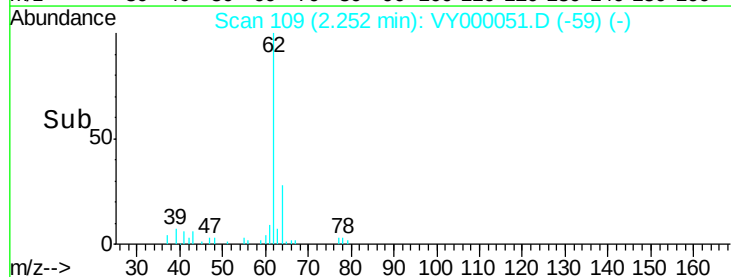
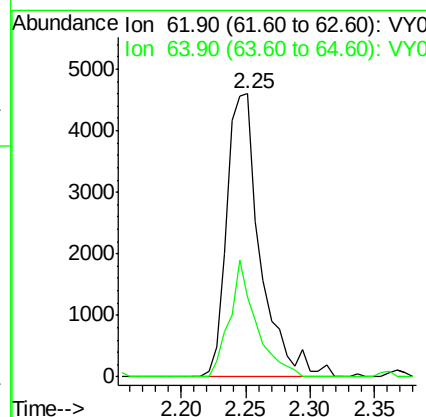
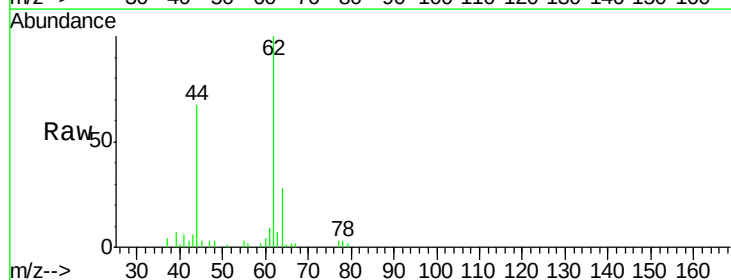
Acq: 17 Sep 2019 10:12

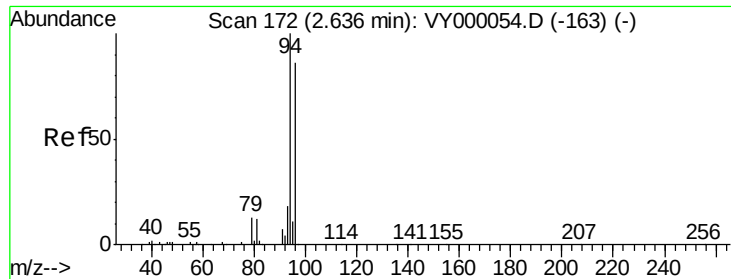
Tgt Ion: 62 Resp: 8418

Ion Ratio Lower Upper

62 100

64 28.2 26.9 40.3





#5

Bromomethane

Concen: 6.555 ug/l

RT: 2.64 min Scan# 173

Delta R.T. 0.01 min

Lab File: VY000051.D

Acq: 17 Sep 2019 10:12

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 5960

Ion Ratio Lower Upper

94 100

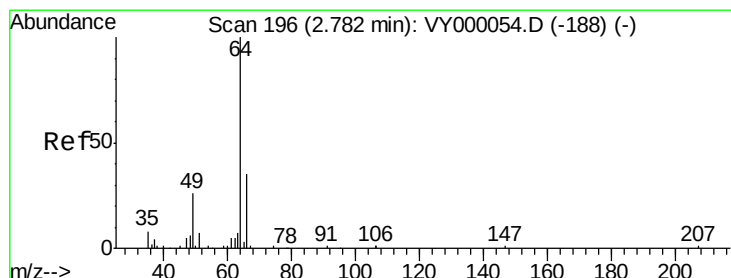
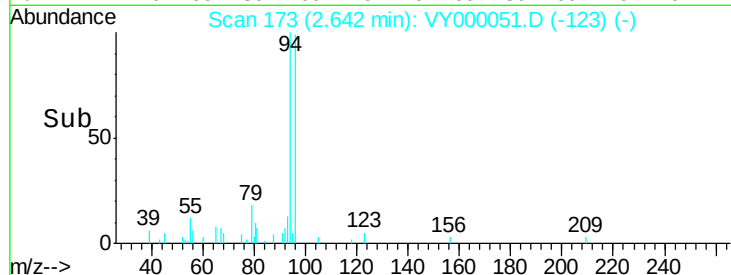
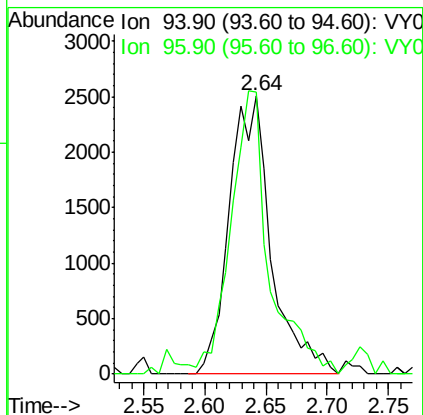
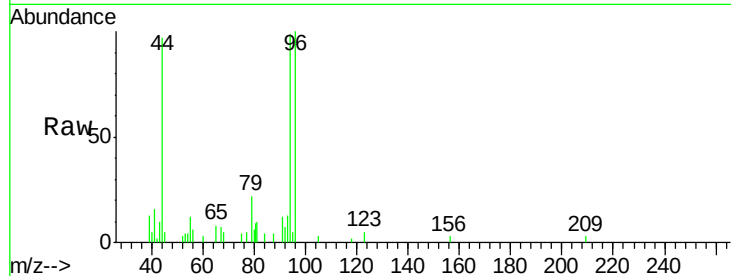
96 101.1 69.1 103.7

Manual Integrations

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#6

Chloroethane

Concen: 5.518 ug/l

RT: 2.79 min Scan# 197

Delta R.T. 0.01 min

Lab File: VY000051.D

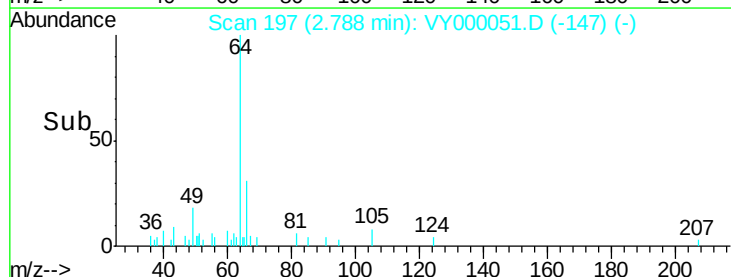
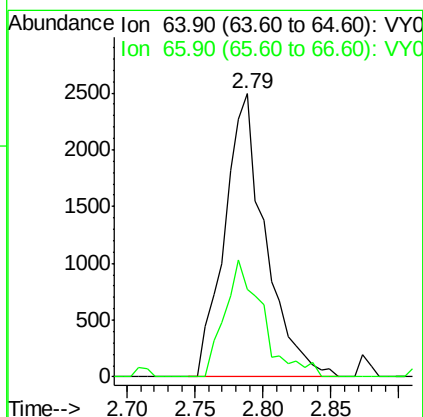
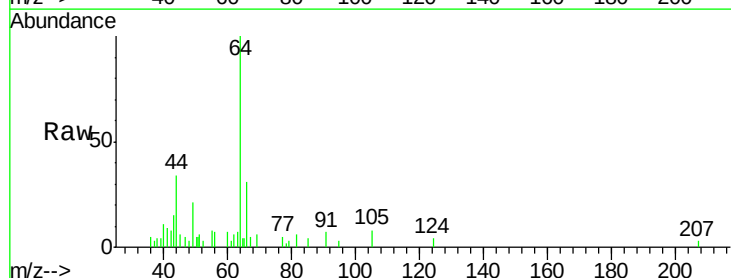
Acq: 17 Sep 2019 10:12

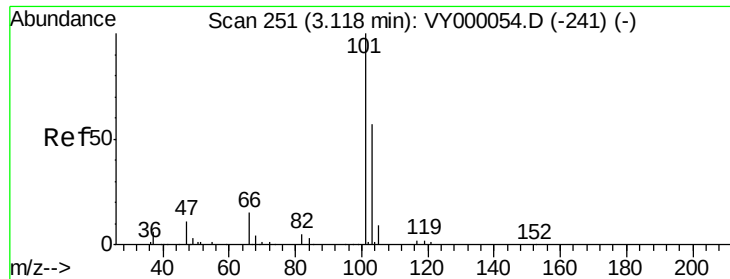
Tgt Ion: 64 Resp: 5207

Ion Ratio Lower Upper

64 100

66 30.7 27.7 41.5





#7

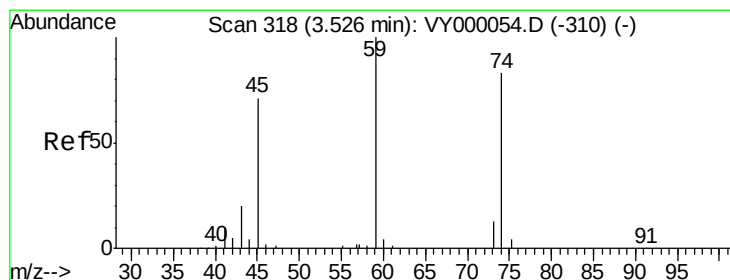
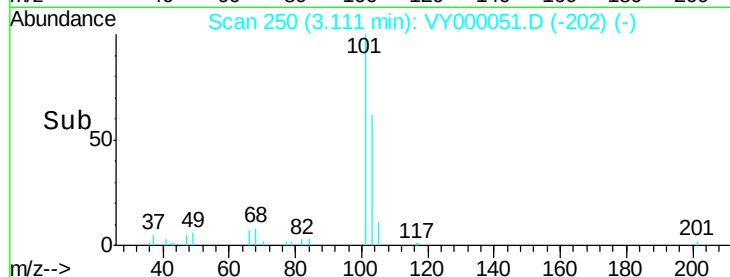
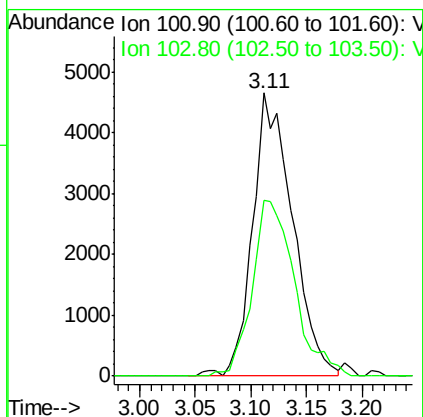
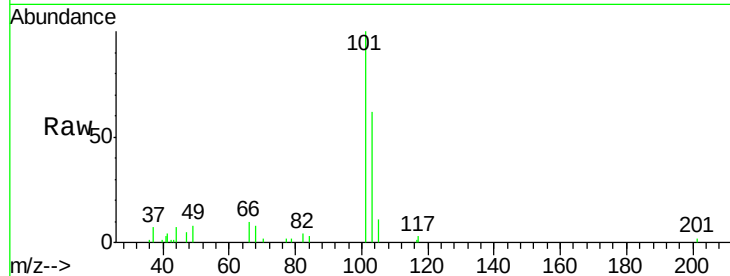
Trichlorofluoromethane
Concen: 6.219 ug/l
RT: 3.11 min Scan# 250
Delta R.T. -0.01 min
Lab File: VY000051.D
Acq: 17 Sep 2019 10:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.2	45.7	68.5

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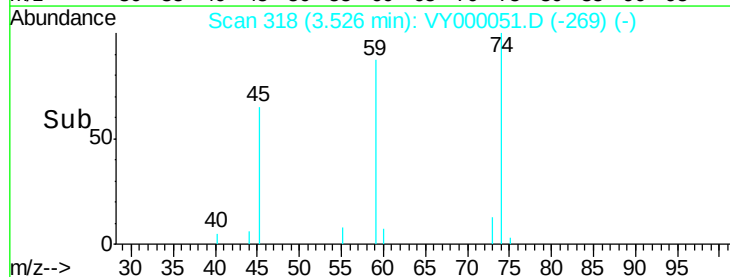
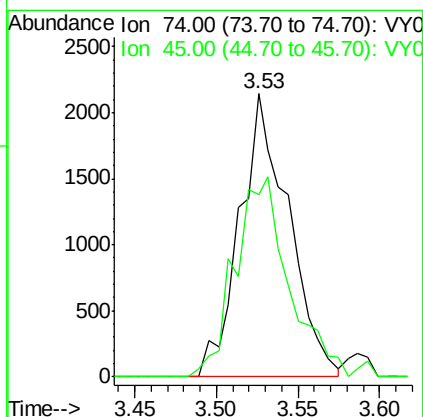
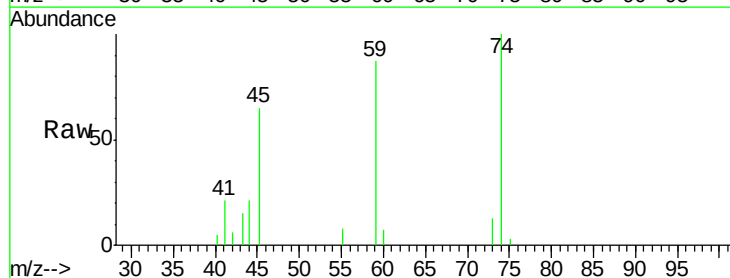
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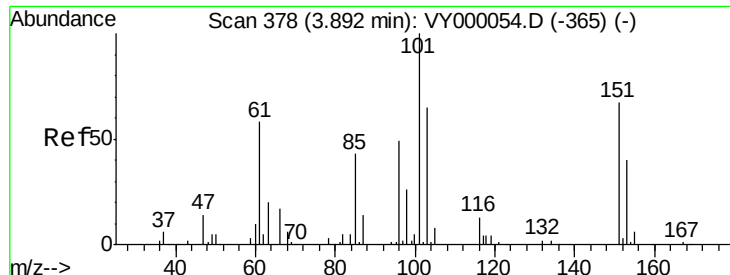


#8

Diethyl Ether
Concen: 5.771 ug/l
RT: 3.53 min Scan# 318
Delta R.T. -0.00 min
Lab File: VY000051.D
Acq: 17 Sep 2019 10:12

Tgt Ion	Ratio	Lower	Upper
74	100		
45	78.3	40.6	122.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.358 ug/l

RT: 3.90 min Scan# 379

Delta R.T. 0.01 min

Lab File: VY000051.D

Acq: 17 Sep 2019 10:12

Instrument :

MSVOA_Y

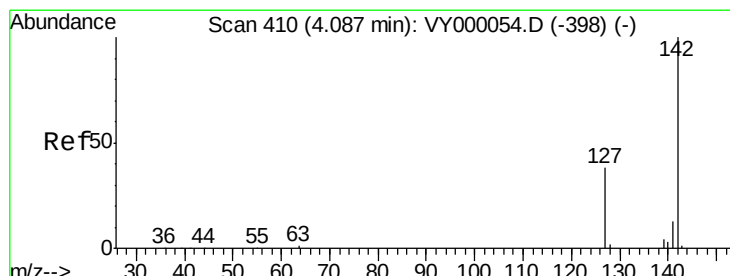
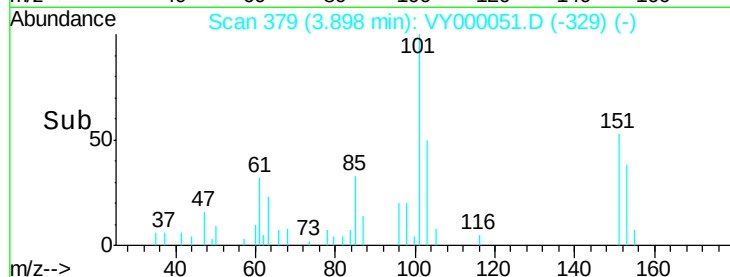
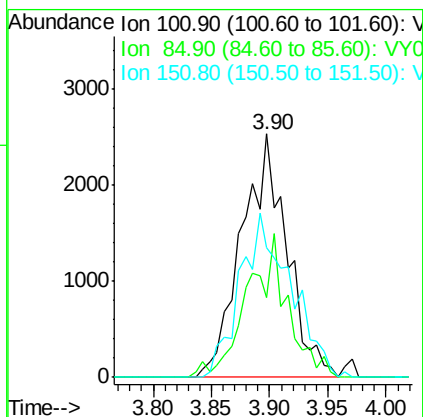
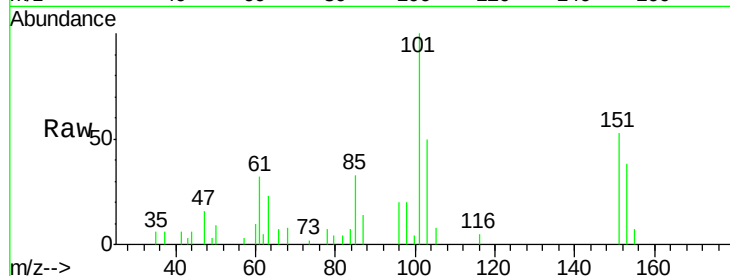
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	6818
Ion Ratio	Lower	Upper	
101	100		
85	28.9	36.8	55.2#
151	75.5	54.4	81.6

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9/19/2019 1:29:45 AM



#10

Methyl Iodide

Concen: 4.837 ug/l

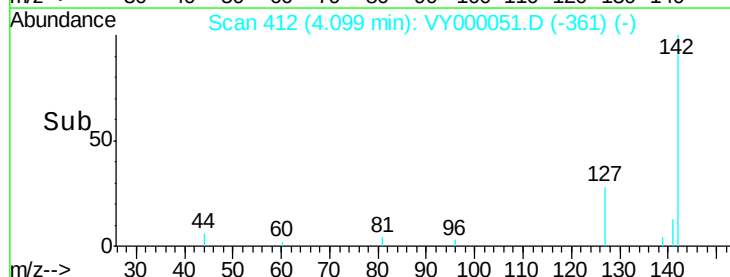
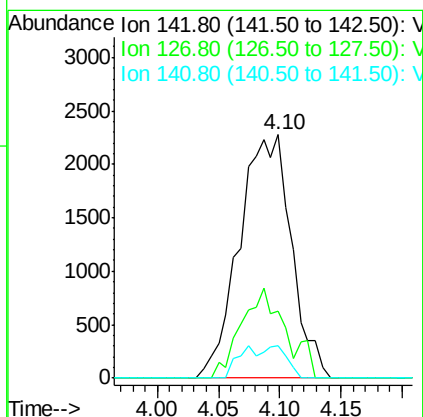
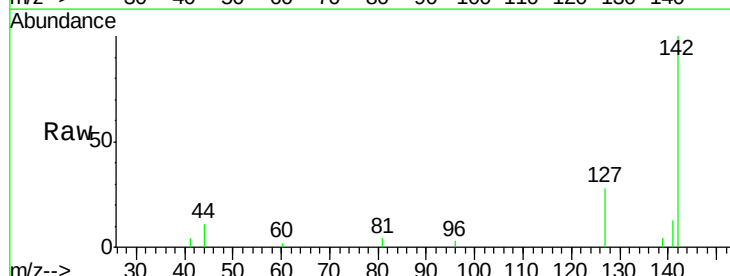
RT: 4.10 min Scan# 412

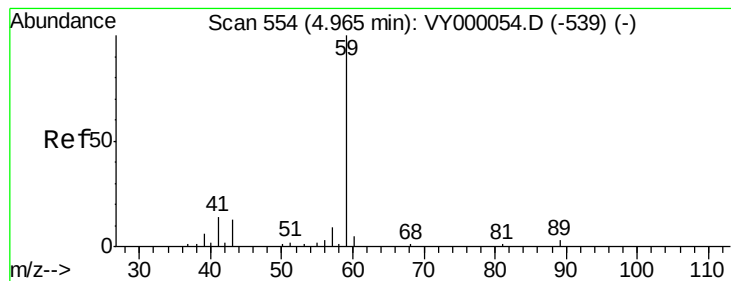
Delta R.T. 0.01 min

Lab File: VY000051.D

Acq: 17 Sep 2019 10:12

Tgt Ion:	142	Resp:	6693
Ion Ratio	Lower	Upper	
142	100		
127	0.0	31.6	47.4#
141	0.0	10.9	16.3#





#11

Tert butyl alcohol

Concen: 27.420 ug/l m

RT: 4.96 min Scan# 553

Delta R.T. -0.01 min

Lab File: VY000051.D

Acq: 17 Sep 2019 10:12

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion: 59 Resp: 4799

Ion Ratio Lower Upper

59 100

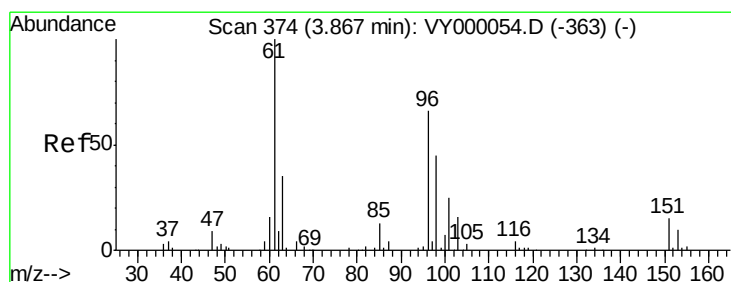
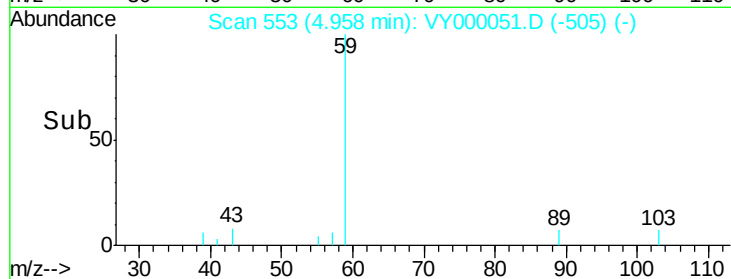
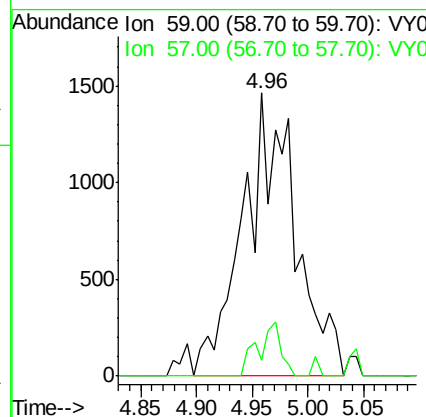
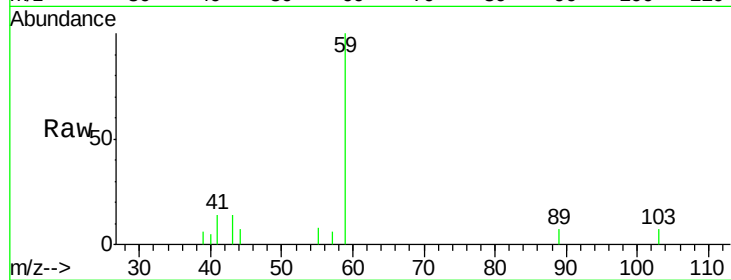
57 8.3 8.0 12.0

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#12

1,1-Dichloroethene

Concen: 5.536 ug/l

RT: 3.86 min Scan# 373

Delta R.T. -0.01 min

Lab File: VY000051.D

Acq: 17 Sep 2019 10:12

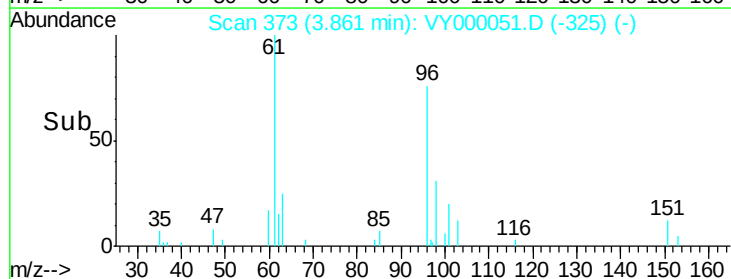
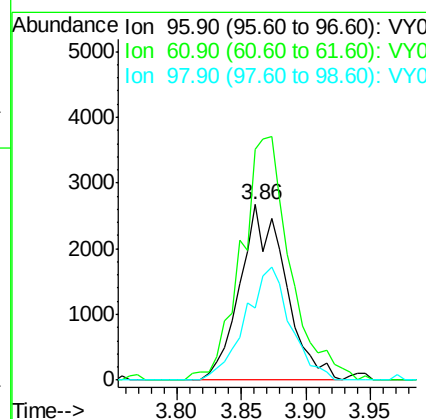
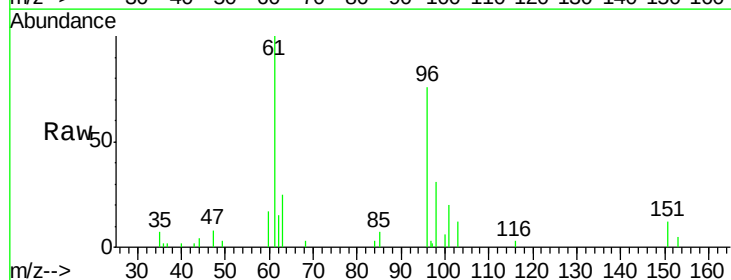
Tgt Ion: 96 Resp: 6536

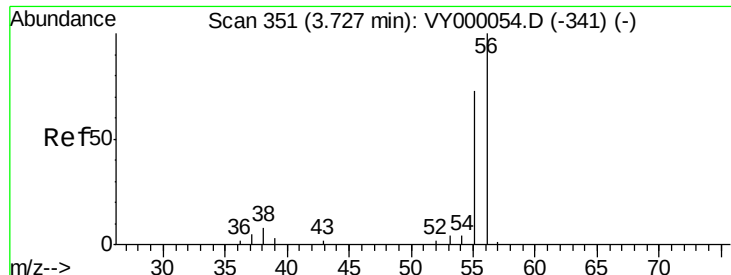
Ion Ratio Lower Upper

96 100

61 127.3 120.4 180.6

98 40.9 54.1 81.1#





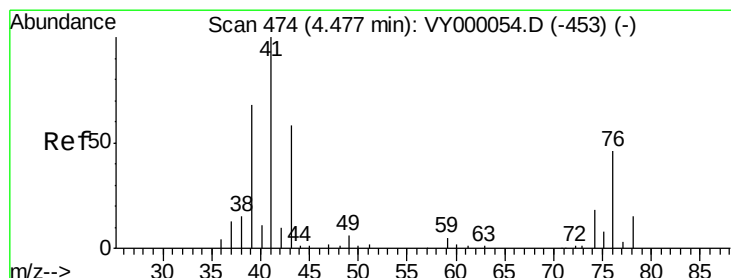
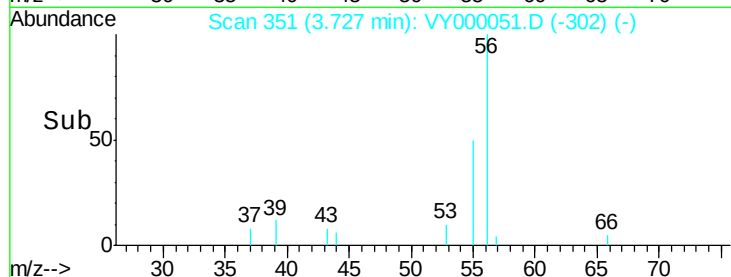
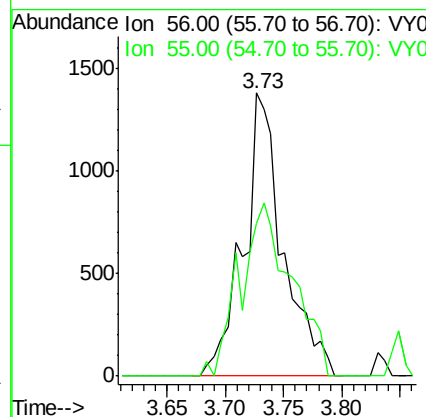
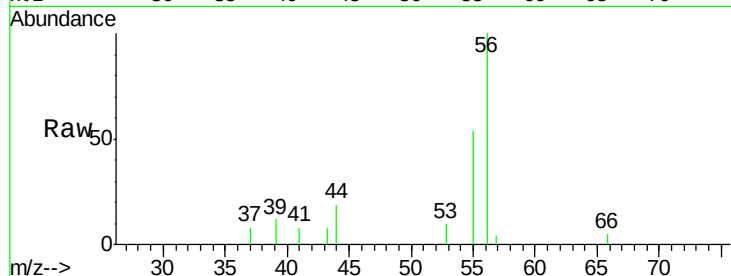
#13
 Acrolein
 Concen: 26.238 ug/l
 RT: 3.73 min Scan# 351
 Delta R.T. -0.00 min
 Lab File: VY000051.D
 Acq: 17 Sep 2019 10:12

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Tot Ion: 56 Resp: 3247
 Ion Ratio Lower Upper
 56 100
 55 79.6 57.8 86.8

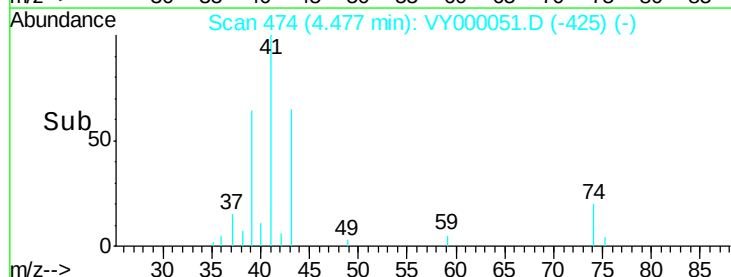
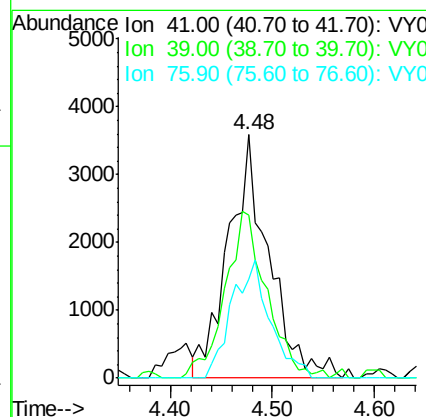
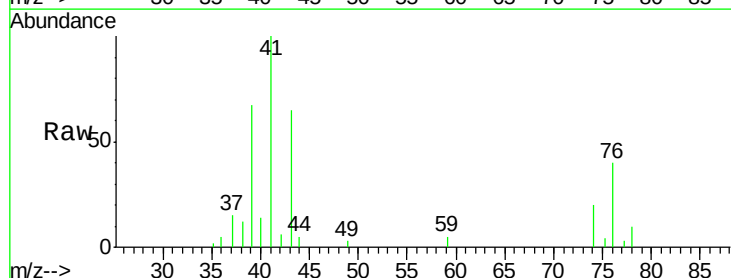
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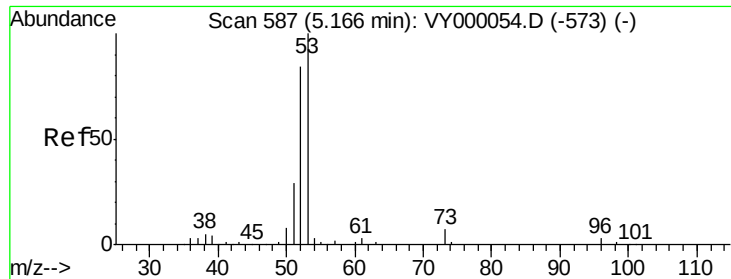
MMDadoda
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#14
 Allyl chloride
 Concen: 5.402 ug/l
 RT: 4.48 min Scan# 474
 Delta R.T. -0.00 min
 Lab File: VY000051.D
 Acq: 17 Sep 2019 10:12

Tgt Ion: 41 Resp: 9908
 Ion Ratio Lower Upper
 41 100
 39 70.1 52.7 79.1
 76 45.9 35.5 53.3





#15

Acrylonitrile

Concen: 26.238 ug/l

RT: 5.17 min Scan# 587

Delta R.T. -0.00 min

Lab File: VY000051.D

Acq: 17 Sep 2019 10:12

Instrument :

MSVOA_Y

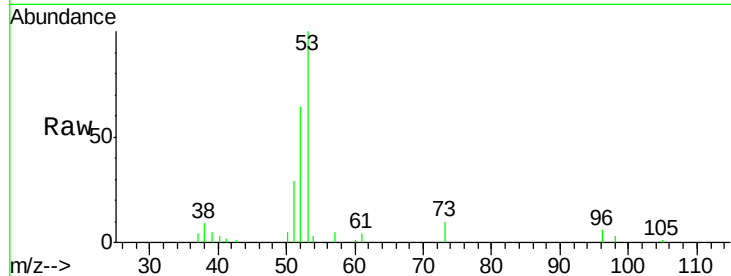
ClientSampleId :

VSTDIC005

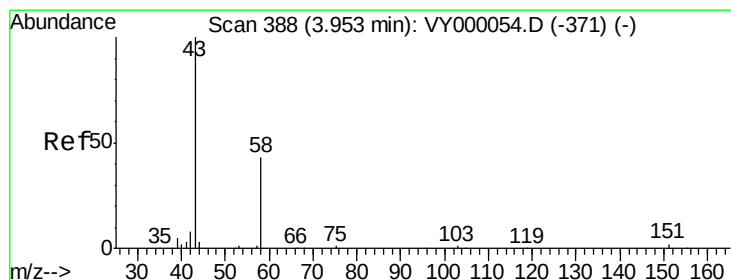
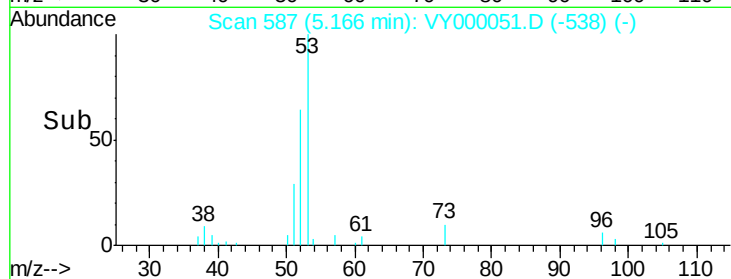
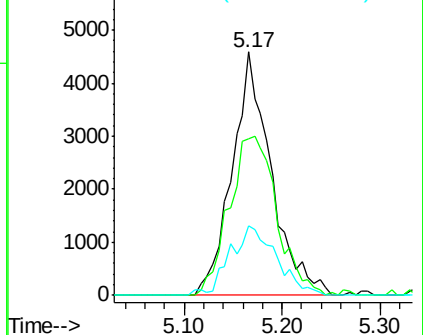
Tot Ion:	53	Resp:	12735
Ion	Ratio	Lower	Upper
53	100		
52	79.6	64.7	97.1
51	34.1	26.7	40.1

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Abundance Ion 53.00 (52.70 to 53.70): VY0
Ion 52.00 (51.70 to 52.70): VY0
Ion 51.00 (50.70 to 51.70): VY0



#16

Acetone

Concen: 22.826 ug/l

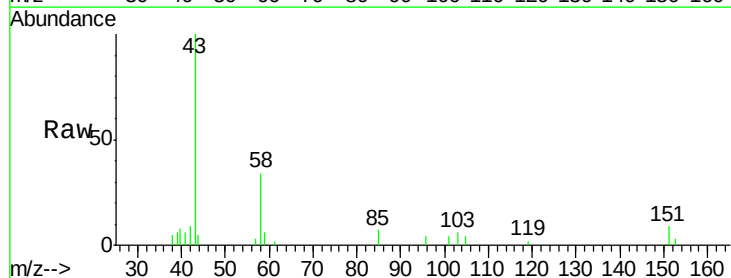
RT: 3.95 min Scan# 387

Delta R.T. -0.01 min

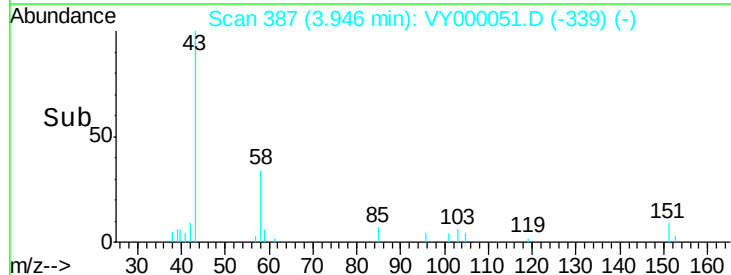
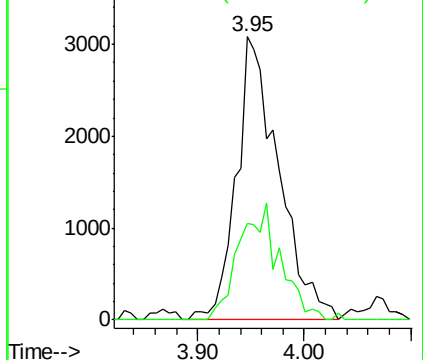
Lab File: VY000051.D

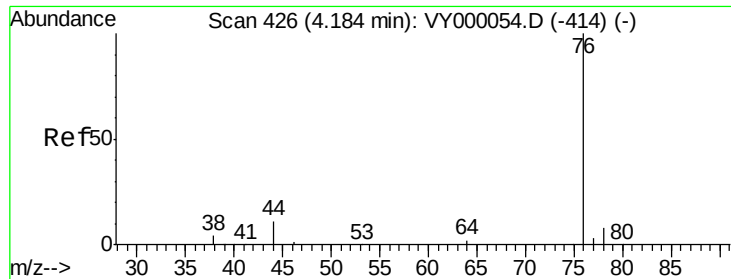
Acq: 17 Sep 2019 10:12

Tgt Ion:	43	Resp:	8568
Ion	Ratio	Lower	Upper
43	100		
58	34.2	34.5	51.7#



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





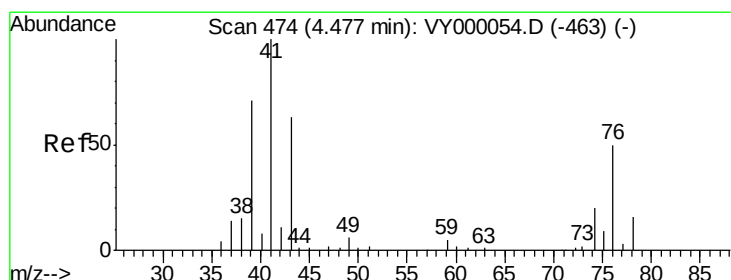
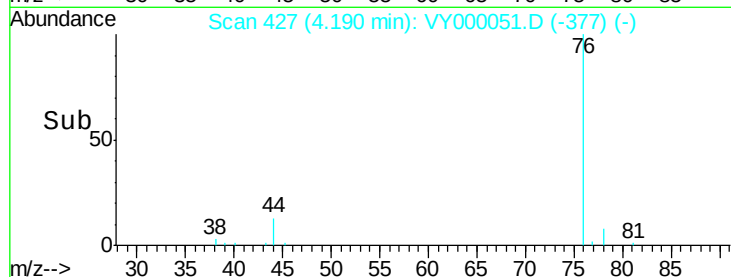
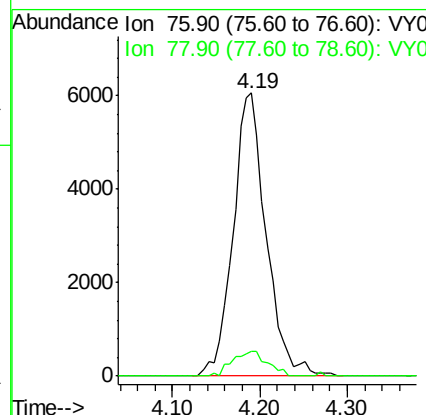
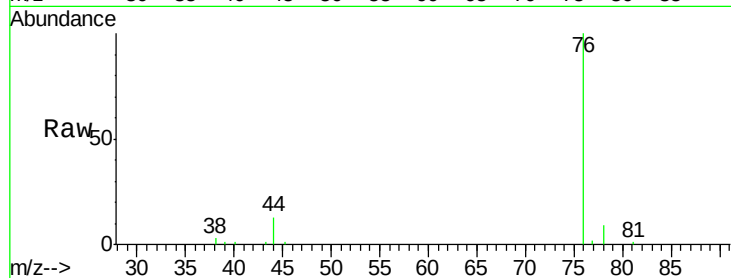
#17
Carbon Disulfide
Concen: 6.676 ug/l
RT: 4.19 min Scan# 427
Delta R.T. 0.01 min
Lab File: VY000051.D
Acq: 17 Sep 2019 10:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	76	Resp	15869
Ion Ratio	Lower	Upper	
76	100		
78	8.6	6.6	9.8

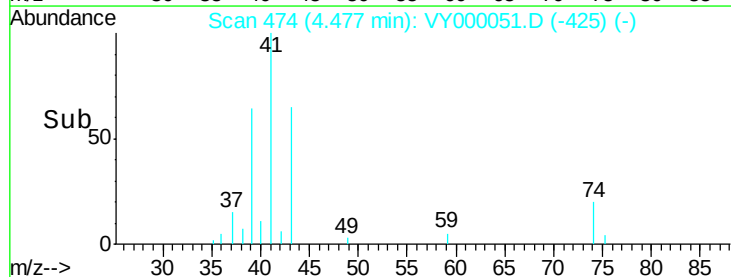
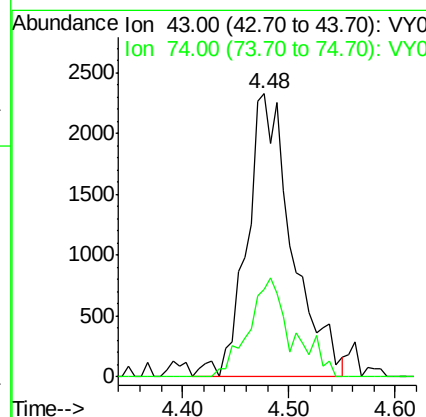
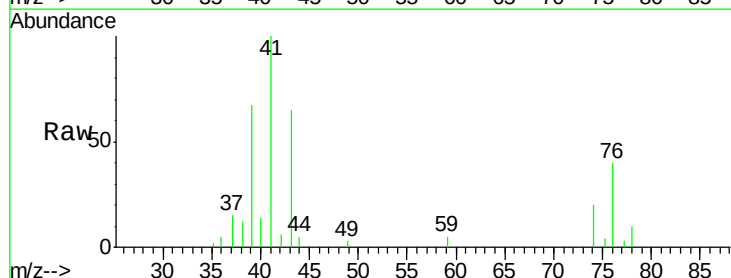
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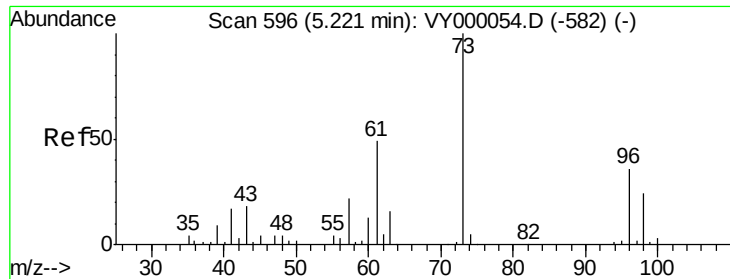
MMDadoda
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#18
Methyl Acetate
Concen: 6.453 ug/l
RT: 4.48 min Scan# 474
Delta R.T. -0.00 min
Lab File: VY000051.D
Acq: 17 Sep 2019 10:12

Tgt Ion	43	Resp	6948
Ion Ratio	Lower	Upper	
43	100		
74	33.2	24.1	36.1





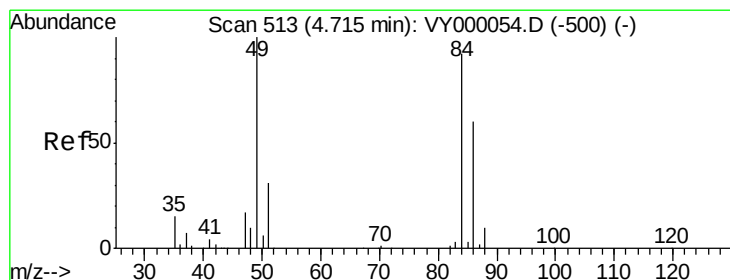
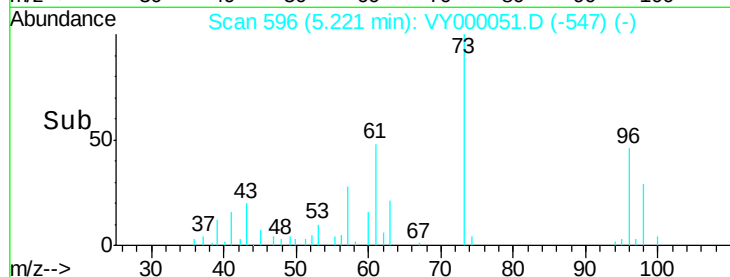
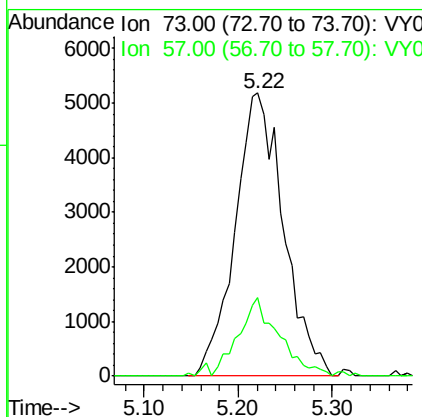
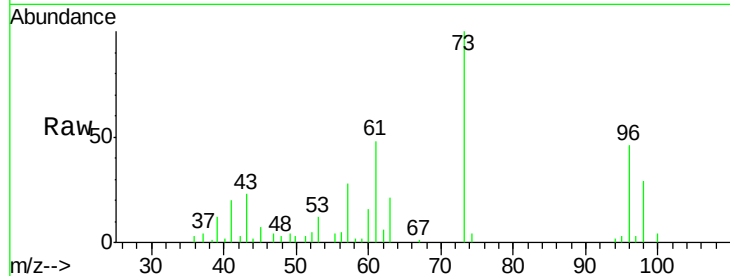
#19
Methyl tert-butyl Ether
Concen: 5.134 ug/l
RT: 5.22 min Scan# 596
Delta R.T. -0.00 min
Lab File: VY000051.D
Acq: 17 Sep 2019 10:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion: 73 Resp: 18583
Ion Ratio Lower Upper
73 100
57 26.7 17.5 26.3#

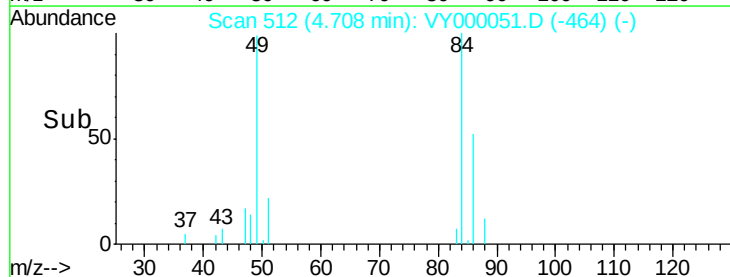
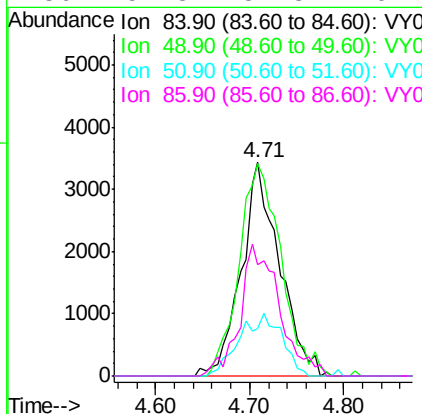
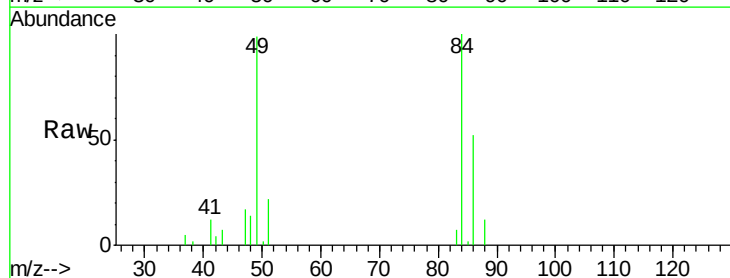
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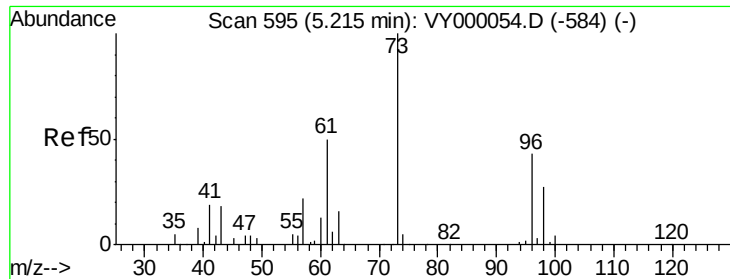
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#20
Methylene Chloride
Concen: 6.320 ug/l
RT: 4.71 min Scan# 512
Delta R.T. -0.01 min
Lab File: VY000051.D
Acq: 17 Sep 2019 10:12

Tgt Ion: 84 Resp: 9702
Ion Ratio Lower Upper
84 100
49 99.4 87.4 131.0
51 22.0 27.2 40.8#
86 52.3 52.8 79.2#





#21

trans-1,2-Dichloroethene

Concen: 6.289 ug/l

RT: 5.21 min Scan# 595

Delta R.T. -0.00 min

Lab File: VY000051.D

Acq: 17 Sep 2019 10:12

Instrument :

MSVOA_Y

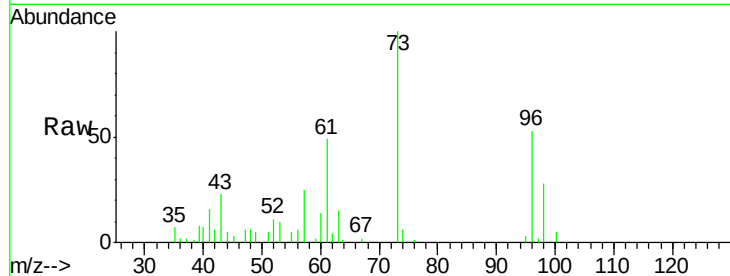
ClientSampleId :

VSTDIC005

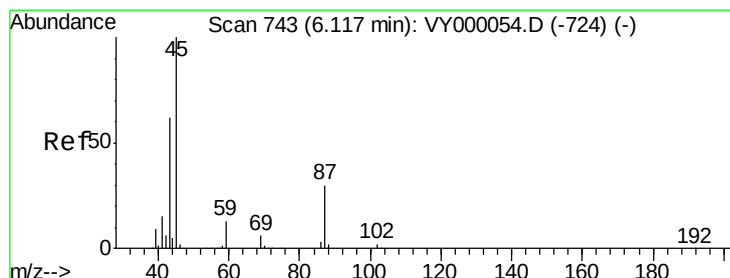
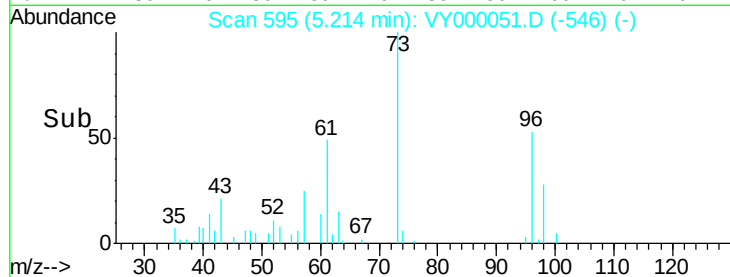
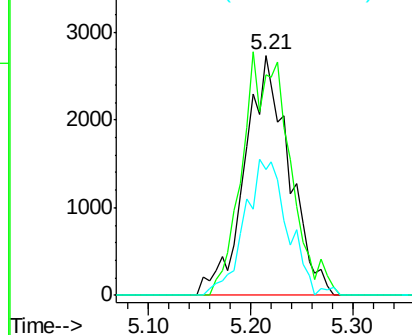
Tot Ion:	96	Resp:	8264
Ion	Ratio	Lower	Upper
96	100		
61	92.2	94.0	141.0#
98	52.7	50.3	75.5

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



#22

Diisopropyl ether

Concen: 5.101 ug/l

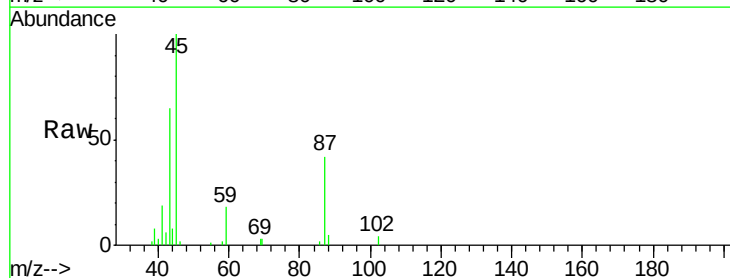
RT: 6.12 min Scan# 743

Delta R.T. -0.00 min

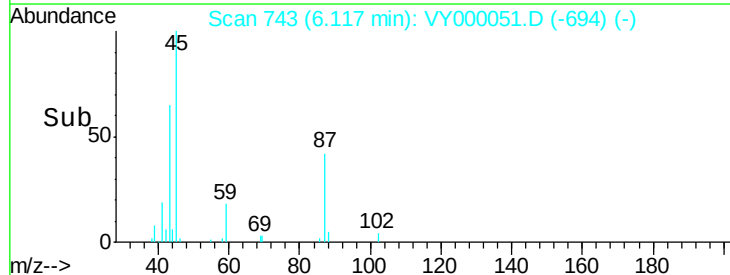
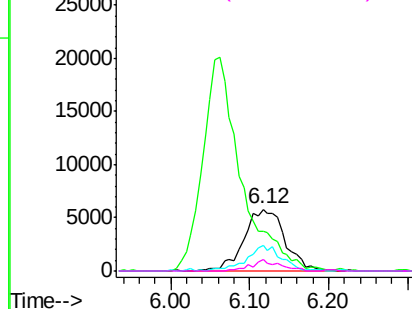
Lab File: VY000051.D

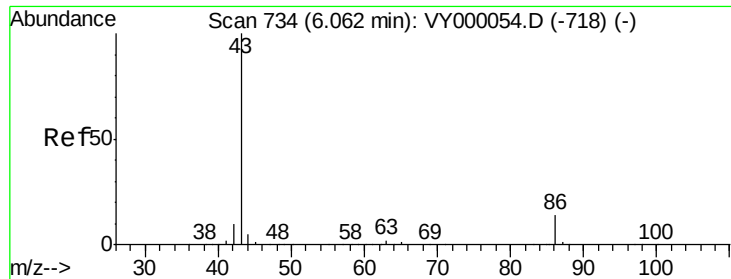
Acq: 17 Sep 2019 10:12

Tgt Ion:	45	Resp:	20754
Ion	Ratio	Lower	Upper
45	100		
43	59.7	49.9	74.9
87	39.6	25.0	37.4#
59	18.1	10.4	15.6#



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





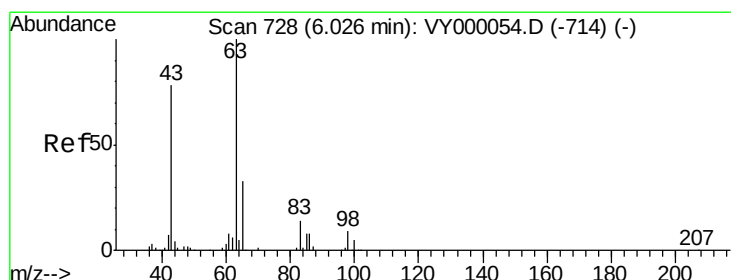
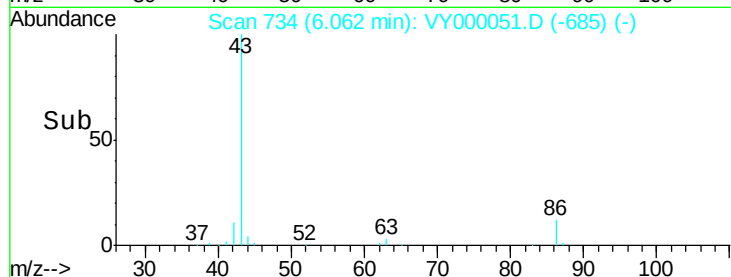
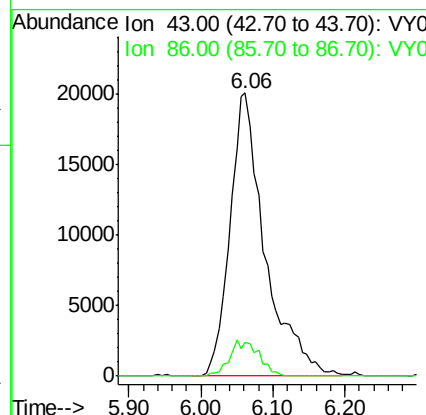
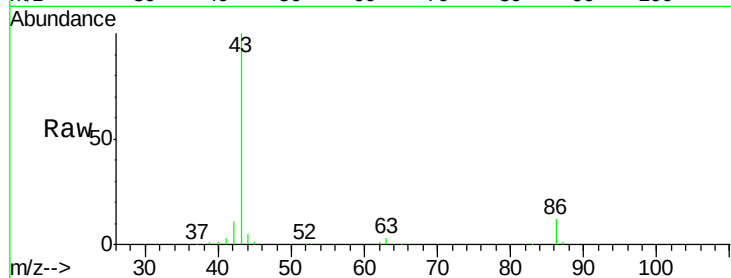
#23
 Vinyl Acetate
 Concen: 24.304 ug/l
 RT: 6.06 min Scan# 734
 Delta R.T. -0.00 min
 Lab File: VY000051.D
 Acq: 17 Sep 2019 10:12

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Tot Ion	43	Resp	68115
Ion Ratio	100	Lower	Upper
43	100		
86	11.9	11.3	16.9

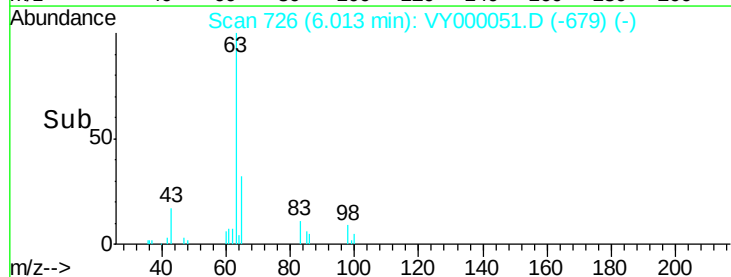
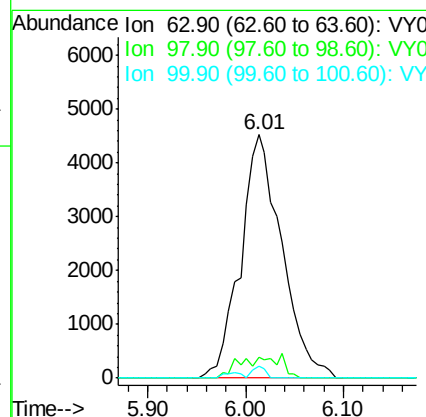
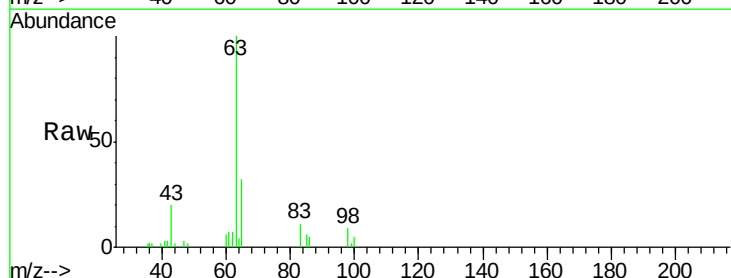
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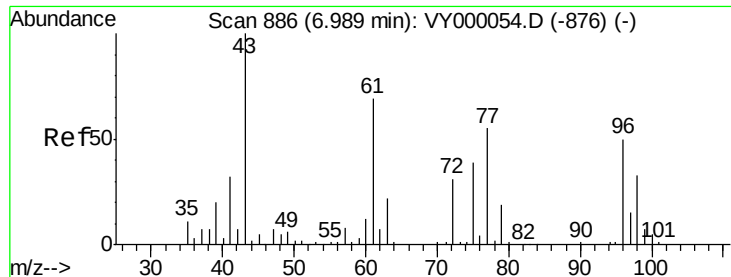
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#24
 1,1-Dichloroethane
 Concen: 5.484 ug/l
 RT: 6.01 min Scan# 726
 Delta R.T. -0.01 min
 Lab File: VY000051.D
 Acq: 17 Sep 2019 10:12

Tgt Ion	63	Resp	13253
Ion Ratio	100	Lower	Upper
63	100		
98	8.6	4.5	13.5
100	4.9	2.5	7.5





#25

2-Butanone

Concen: 27.182 ug/l

RT: 6.99 min Scan# 887

Delta R.T. 0.01 min

Lab File: VY000051.D

Acq: 17 Sep 2019 10:12

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 16798

Ion Ratio Lower Upper

43 100

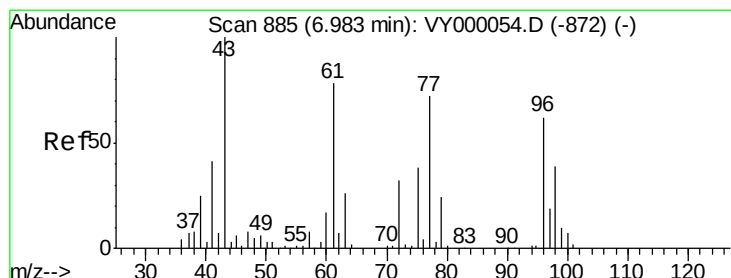
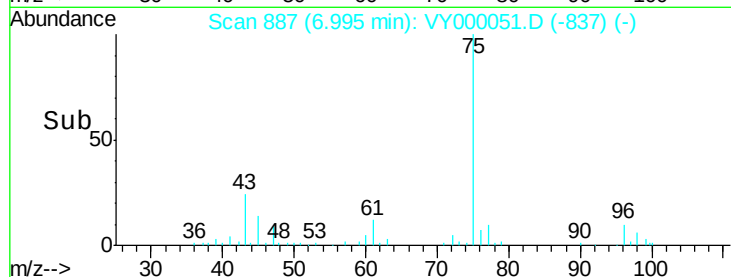
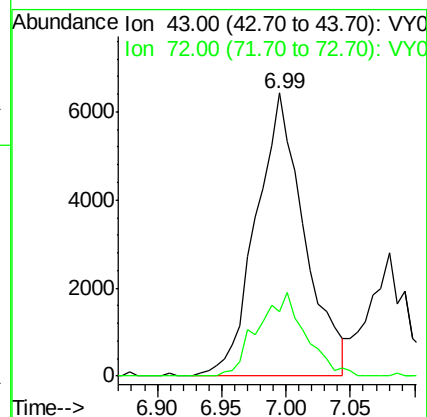
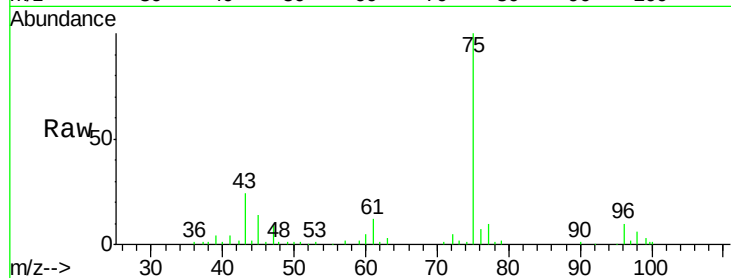
72 22.7 24.7 37.1#

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#26

2,2-Dichloropropane

Concen: 6.587 ug/l

RT: 6.98 min Scan# 885

Delta R.T. -0.00 min

Lab File: VY000051.D

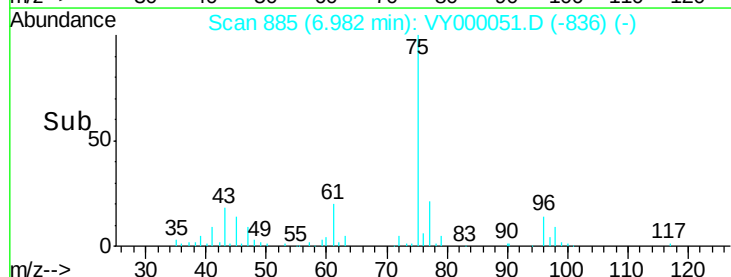
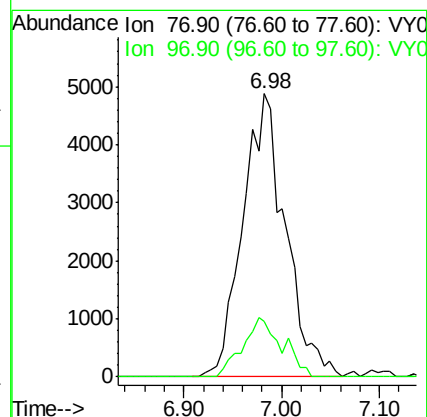
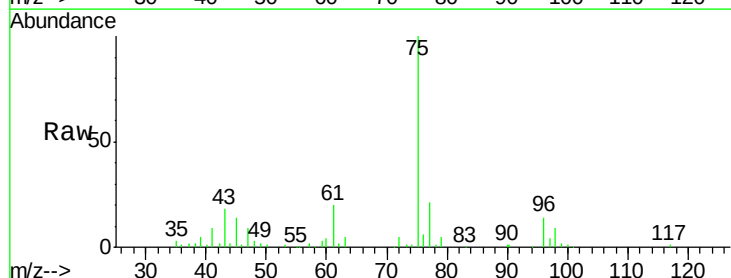
Acq: 17 Sep 2019 10:12

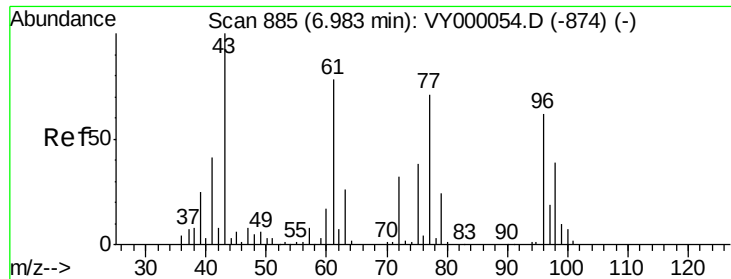
Tgt Ion: 77 Resp: 14691

Ion Ratio Lower Upper

77 100

97 19.4 12.5 37.5





#27

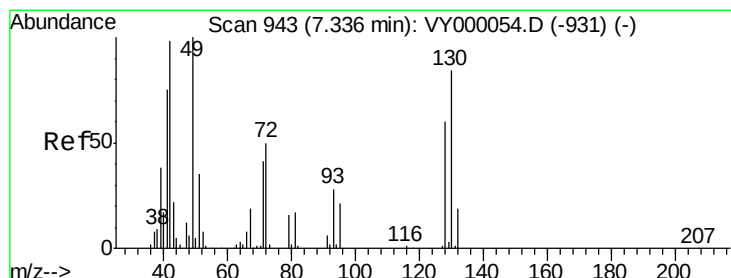
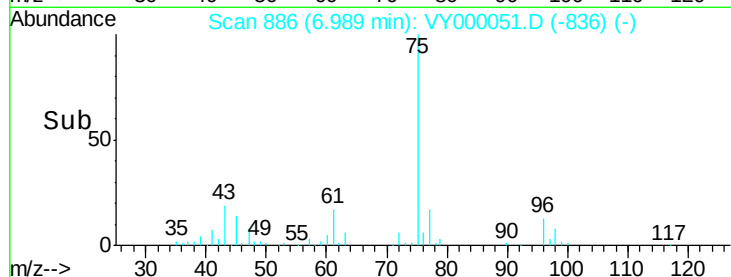
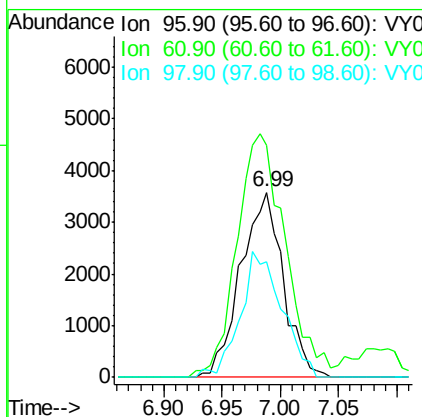
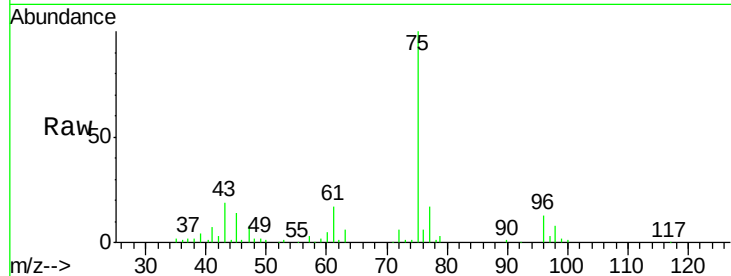
cis-1,2-Dichloroethene
Concen: 5.506 ug/l
RT: 6.99 min Scan# 886
Delta R.T. 0.01 min
Lab File: VY000051.D
Acq: 17 Sep 2019 10:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	150.0	0.0	263.0
98	66.4	0.0	130.2

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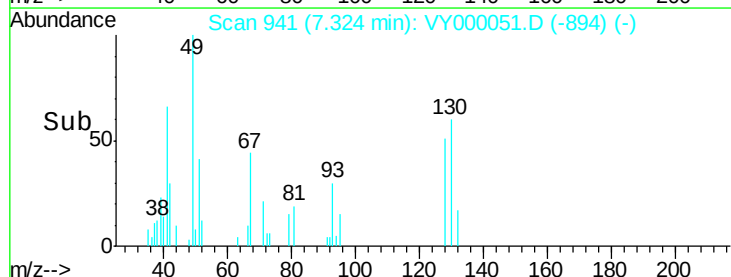
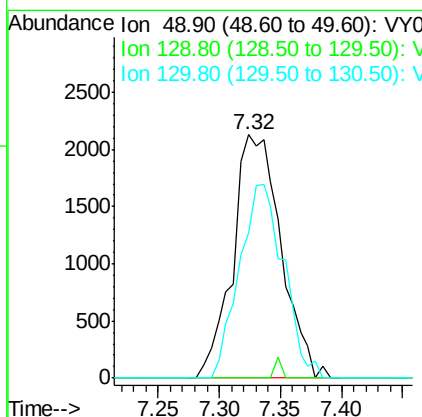
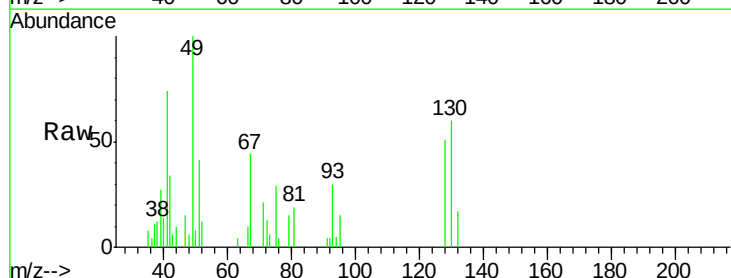
MMDadoda
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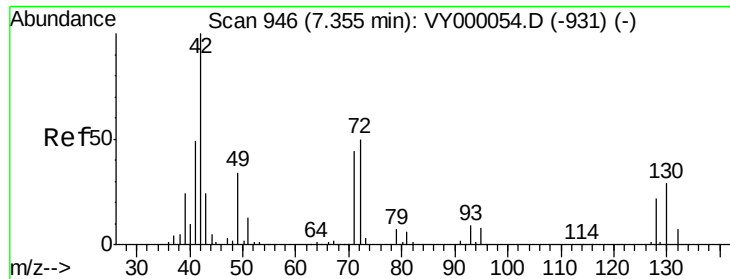


#28

Bromochloromethane
Concen: 5.362 ug/l
RT: 7.32 min Scan# 941
Delta R.T. -0.01 min
Lab File: VY000051.D
Acq: 17 Sep 2019 10:12

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.8
130	72.9	66.2	99.4





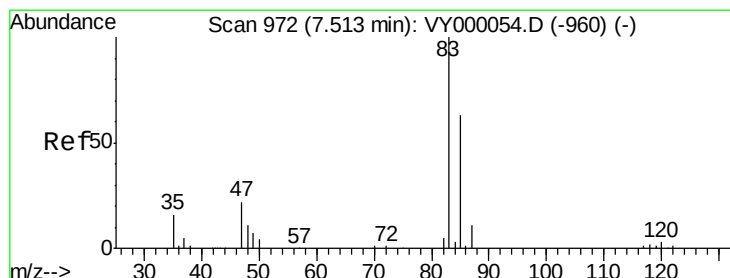
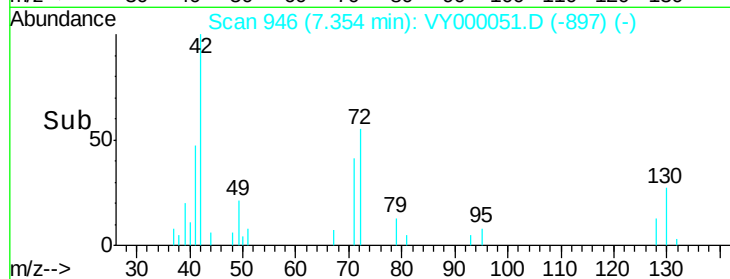
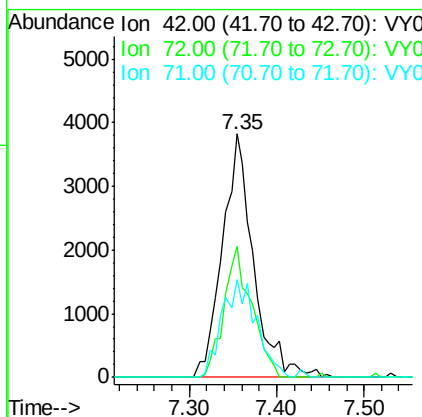
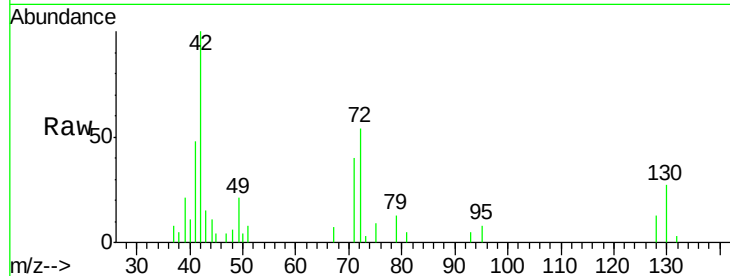
#29
Tetrahydrofuran
Concen: 25.579 ug/l
RT: 7.35 min Scan# 946
Delta R.T. -0.00 min
Lab File: VY000051.D
Acq: 17 Sep 2019 10:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.9	41.8	62.6
71	44.3	38.6	58.0

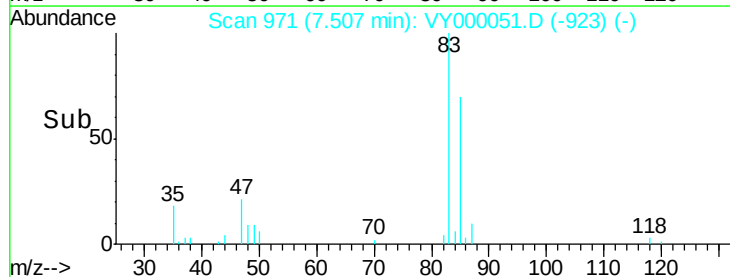
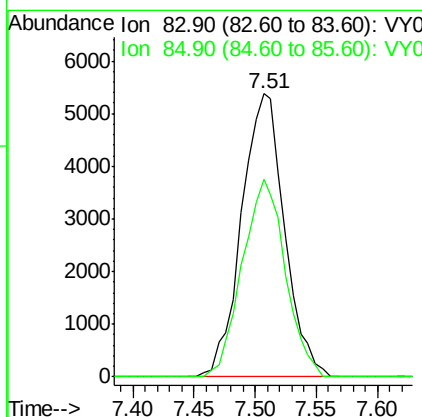
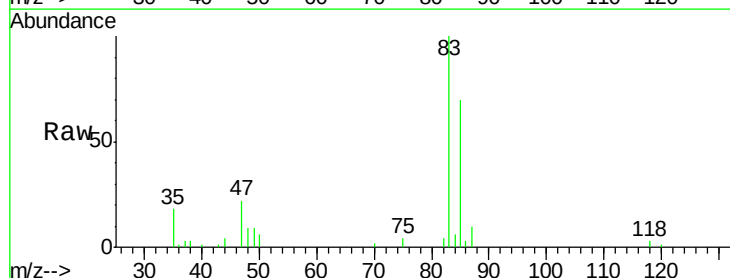
Manual Integrations
APPROVED

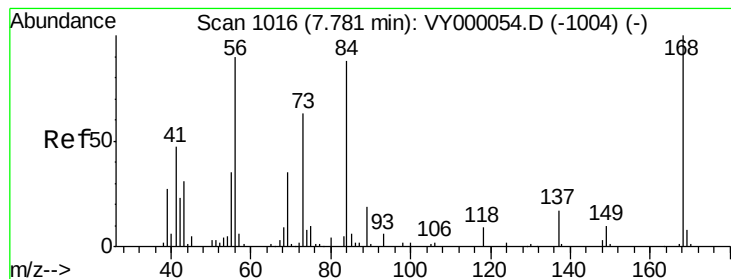
MMDadoda
9/19/2019 1:29:45 AM



#30
Chloroform
Concen: 5.259 ug/l
RT: 7.51 min Scan# 971
Delta R.T. -0.01 min
Lab File: VY000051.D
Acq: 17 Sep 2019 10:12

Tgt Ion	Ratio	Lower	Upper
83	100		
85	69.8	50.6	76.0





#31

Cyclohexane

Concen: 7.016 ug/l

RT: 7.78 min Scan# 1016

Delta R.T. -0.00 min

Lab File: VY000051.D

Acq: 17 Sep 2019 10:12

Instrument :

MSVOA_Y

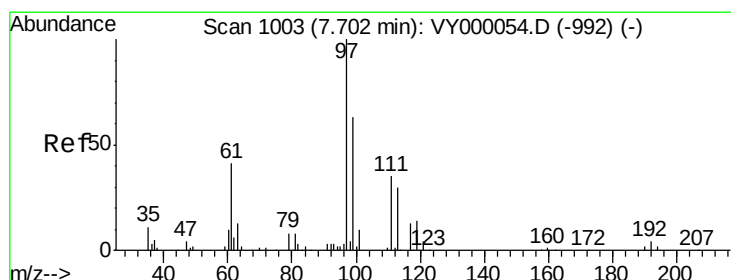
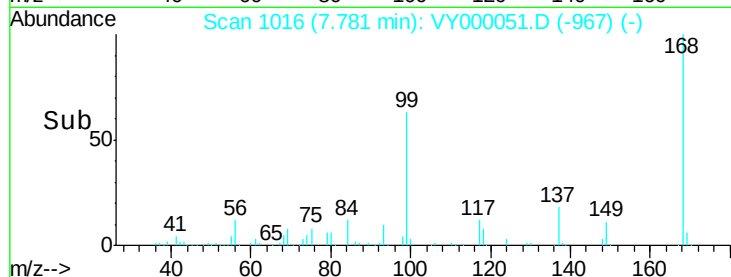
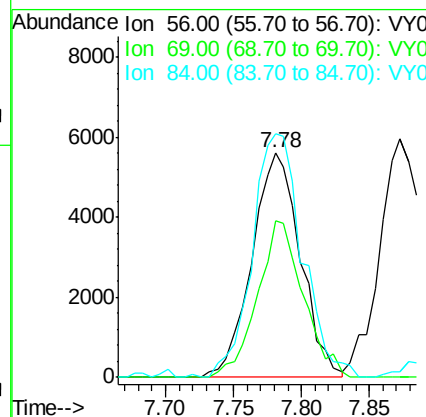
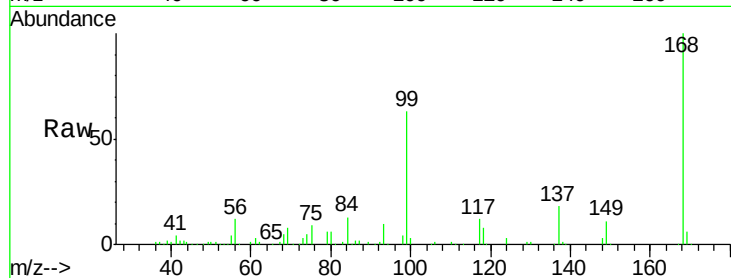
ClientSampleId :

VSTDIC005

Tot Ion:	56	Resp:	13962
Ion	Ratio	Lower	Upper
56	100		
69	69.5	30.9	46.3#
84	107.1	78.5	117.7

Manual Integrations
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9/19/2019 1:29:45 AM



#32

1,1,1-Trichloroethane

Concen: 5.538 ug/l

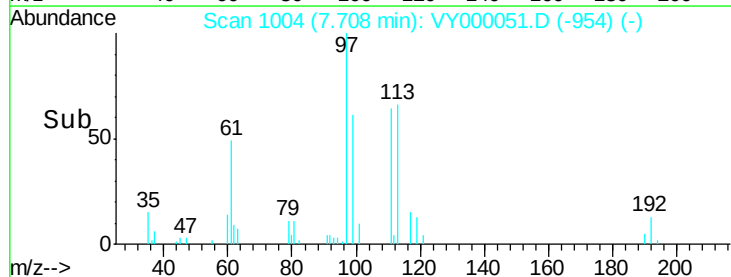
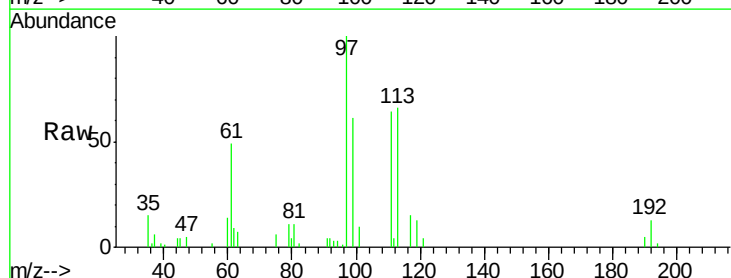
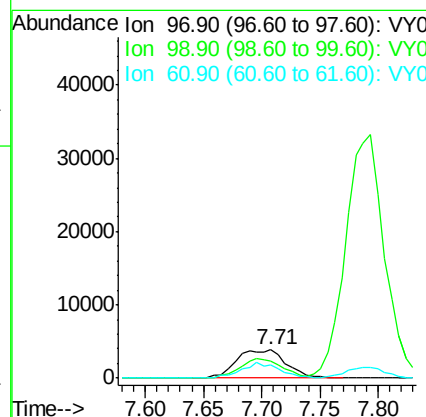
RT: 7.71 min Scan# 1004

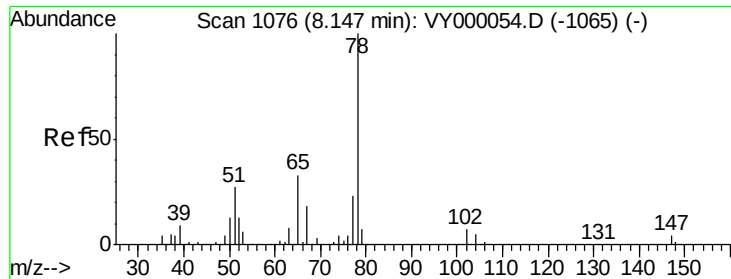
Delta R.T. 0.01 min

Lab File: VY000051.D

Acq: 17 Sep 2019 10:12

Tgt Ion:	97	Resp:	11255
Ion	Ratio	Lower	Upper
97	100		
99	59.3	51.8	77.6
61	43.5	34.3	51.5





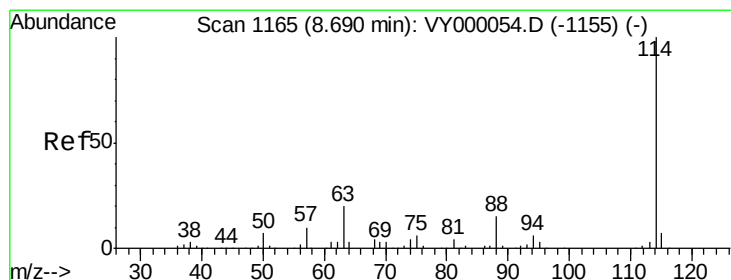
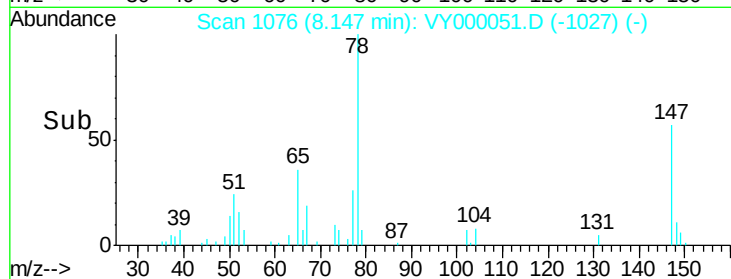
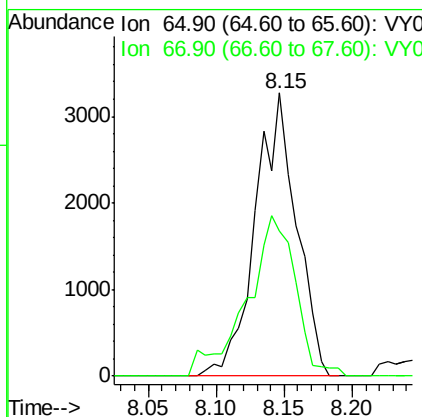
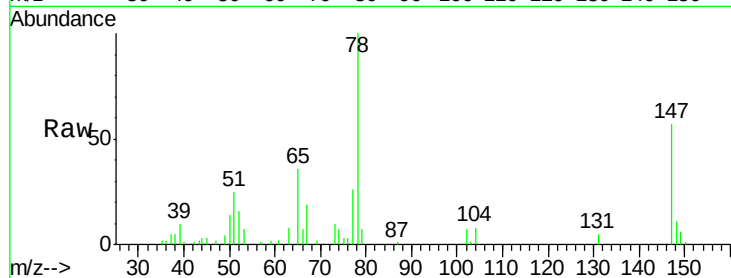
#33
 1,2-Dichloroethane-d4
 Concen: 5.094 ug/l
 RT: 8.15 min Scan# 1076
 Delta R.T. -0.00 min
 Lab File: VY000051.D
 Acq: 17 Sep 2019 10:12

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
65	100	6915		
67	67.1	0.0	111.0	

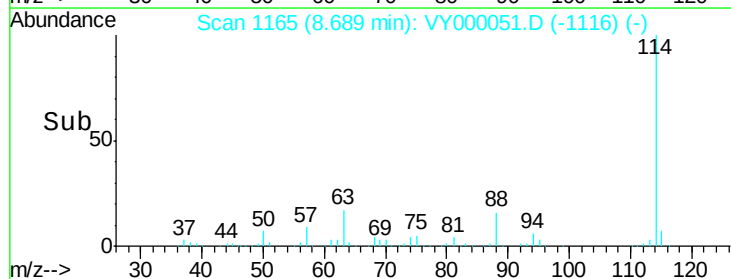
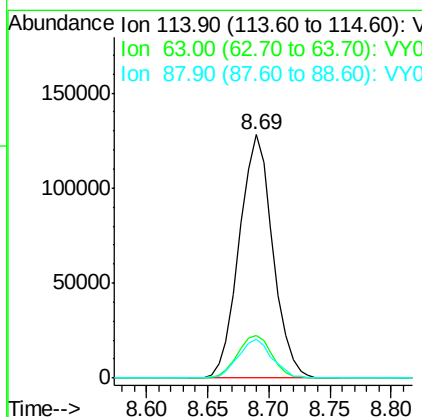
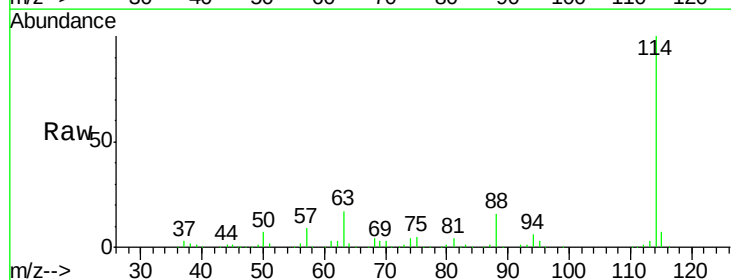
Manual Integrations
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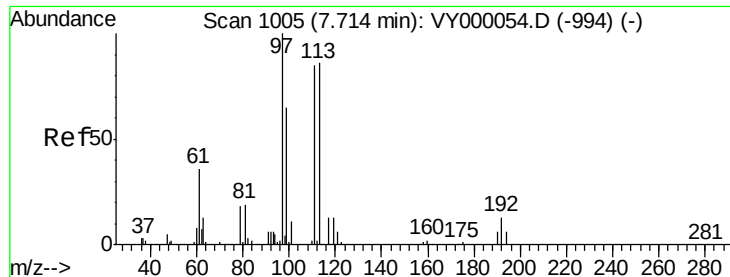
MMDadoda
 9/19/2019 1:29:45 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1165
 Delta R.T. -0.00 min
 Lab File: VY000051.D
 Acq: 17 Sep 2019 10:12

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	243268		
63	17.5	0.0	39.4	
88	15.7	0.0	30.2	





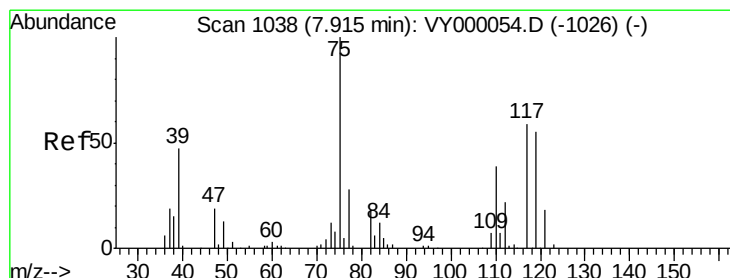
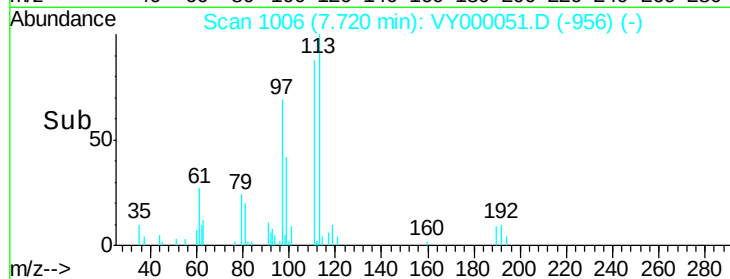
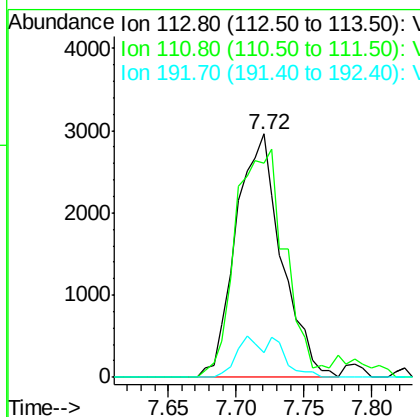
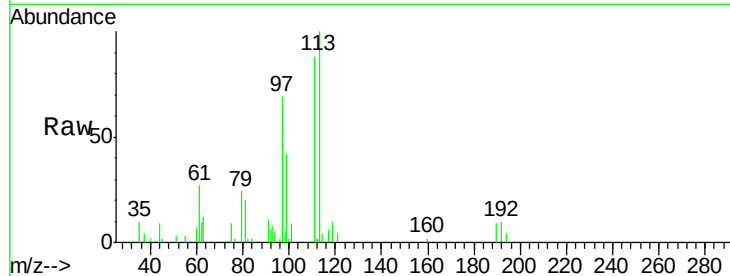
#35
 Dibromofluoromethane
 Concen: 4.960 ug/l
 RT: 7.72 min Scan# 1006
 Delta R.T. 0.01 min
 Lab File: VY000051.D
 Acq: 17 Sep 2019 10:12

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.7	122.5
192	9.2	13.4	20.2

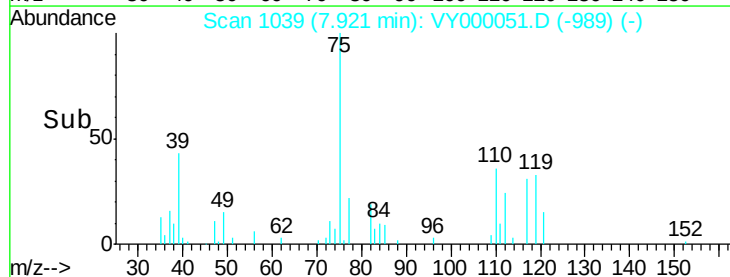
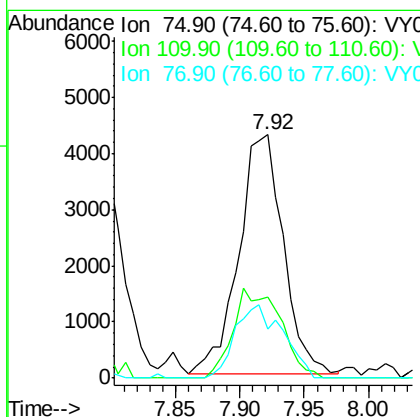
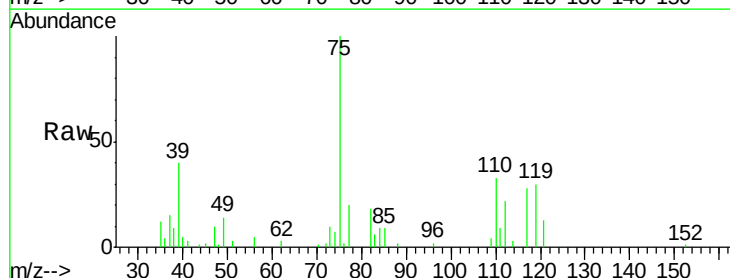
Manual Integrations
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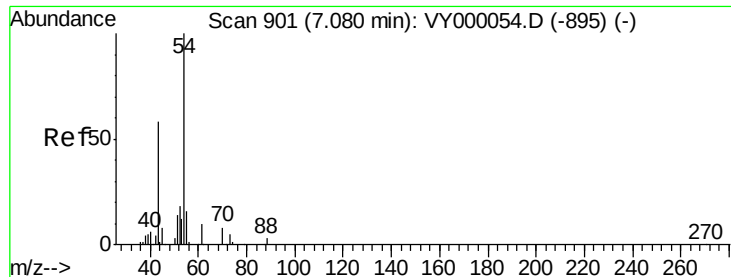
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#36
 1,1-Dichloropropene
 Concen: 5.657 ug/l
 RT: 7.92 min Scan# 1039
 Delta R.T. 0.01 min
 Lab File: VY000051.D
 Acq: 17 Sep 2019 10:12

Tgt Ion	Ratio	Lower	Upper
75	100		
110	40.1	19.6	58.7
77	32.9	24.3	36.5





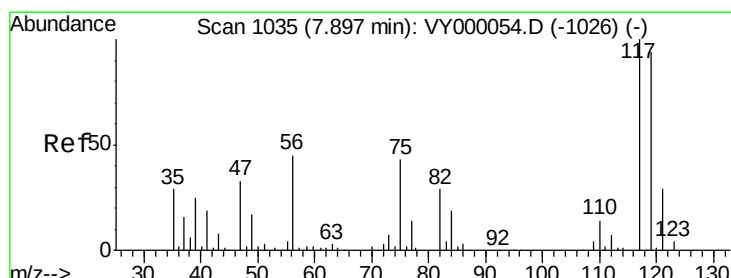
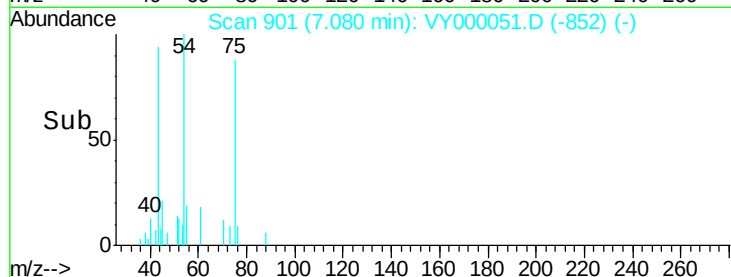
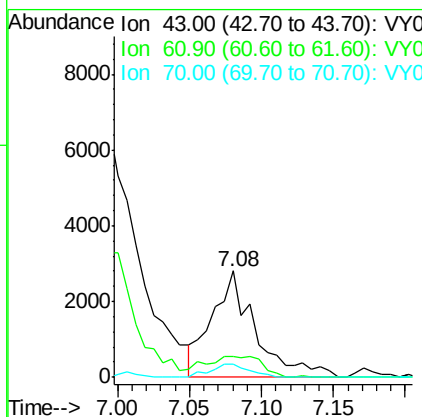
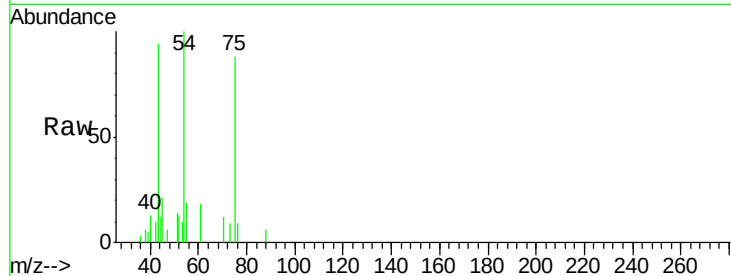
#37
Ethyl Acetate
Concen: 4.884 ug/l
RT: 7.08 min Scan# 901
Delta R.T. -0.00 min
Lab File: VY000051.D
Acq: 17 Sep 2019 10:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.3	14.1	21.1#
70	11.2	10.6	15.8

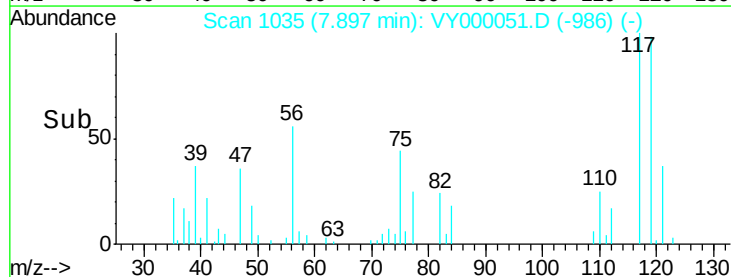
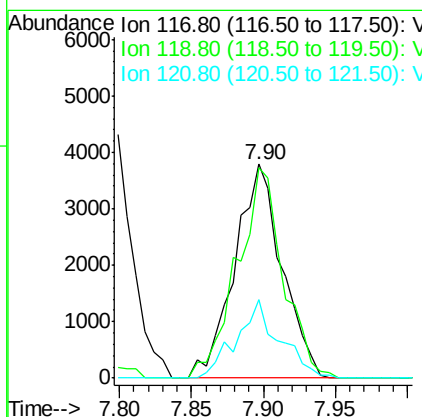
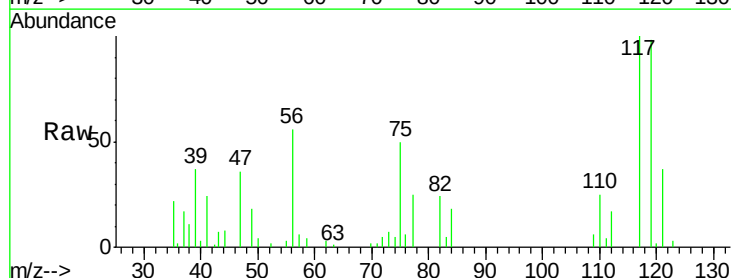
Manual Integrations
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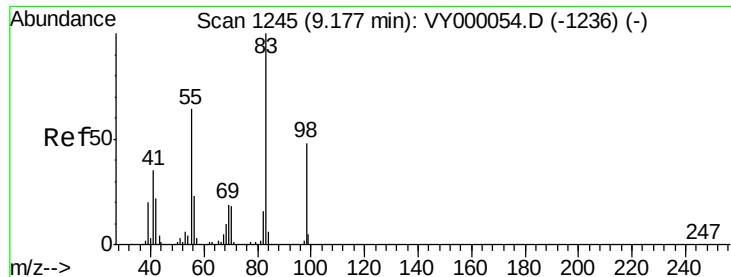
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#38
Carbon Tetrachloride
Concen: 5.091 ug/l
RT: 7.90 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VY000051.D
Acq: 17 Sep 2019 10:12

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.1	75.0	112.6
121	36.7	22.8	34.2#





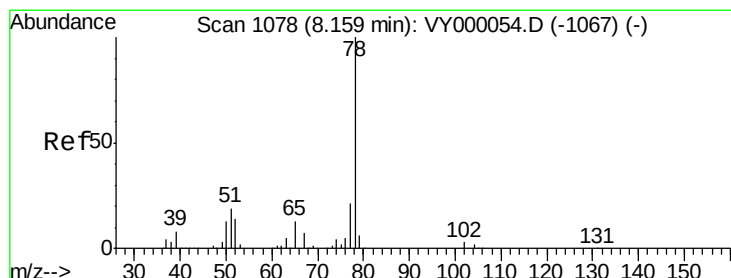
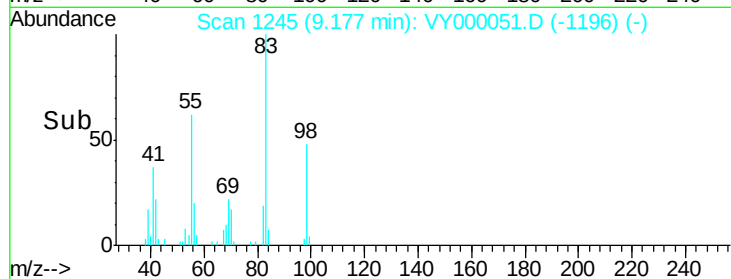
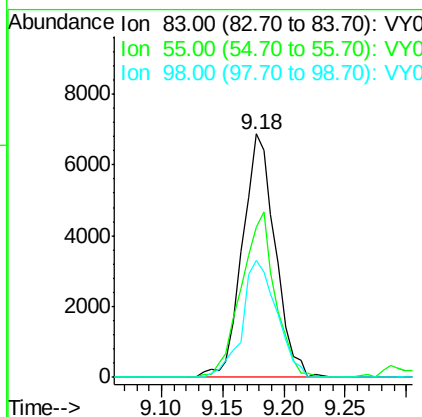
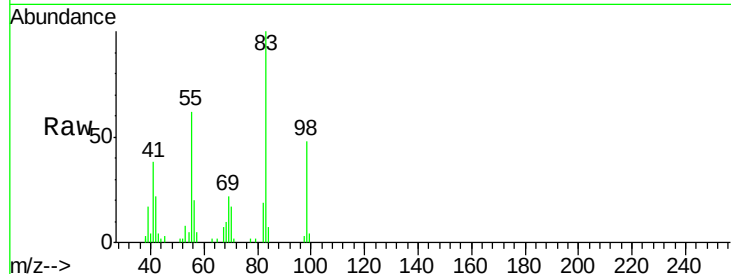
#39
Methylvlcyclohexane
Concen: 5.706 ug/l
RT: 9.18 min Scan# 1245
Delta R.T. -0.00 min
Lab File: VY000051.D
Acq: 17 Sep 2019 10:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	83	Resp	12757
Ion Ratio	Lower	Upper	
83	100		
55	61.6	51.0	76.6
98	47.9	38.5	57.7

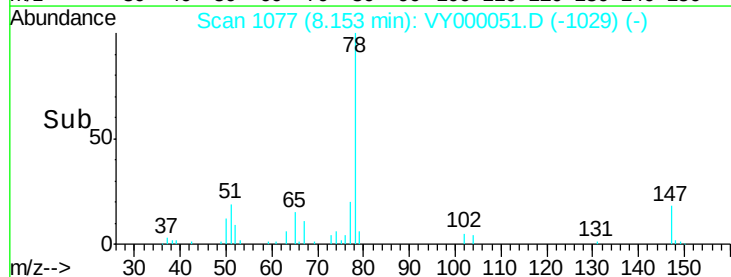
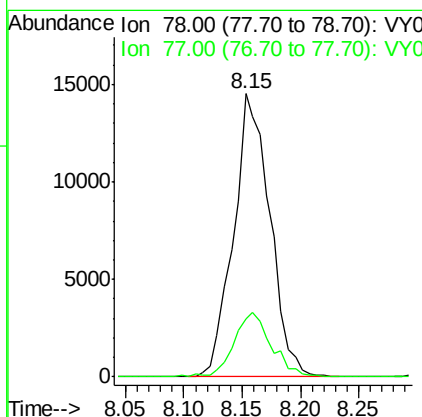
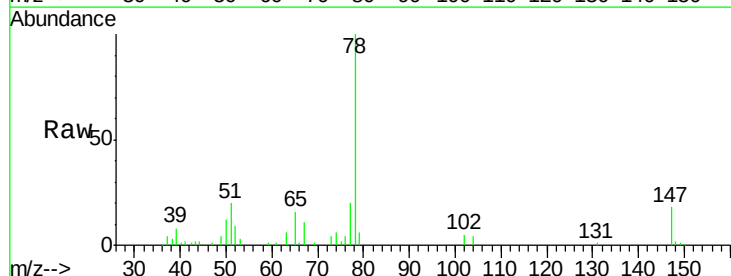
Manual Integrations
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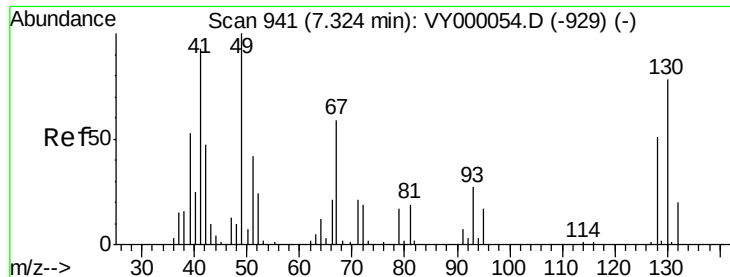
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#40
Benzene
Concen: 5.350 ug/l
RT: 8.15 min Scan# 1077
Delta R.T. -0.01 min
Lab File: VY000051.D
Acq: 17 Sep 2019 10:12

Tgt Ion	78	Resp	31612
Ion Ratio	Lower	Upper	
78	100		
77	20.4	16.8	25.2





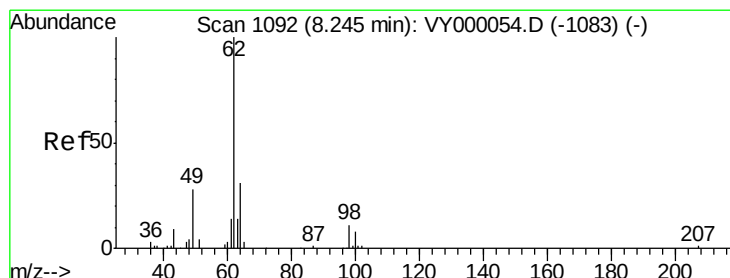
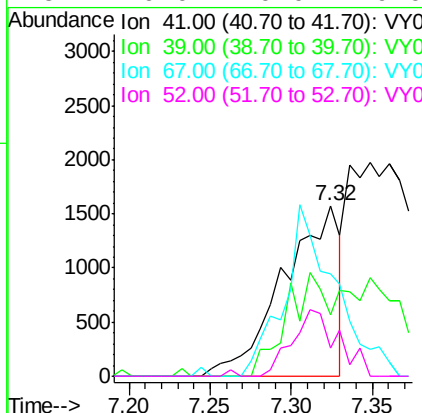
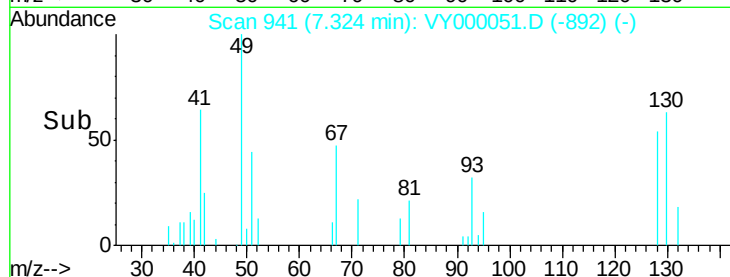
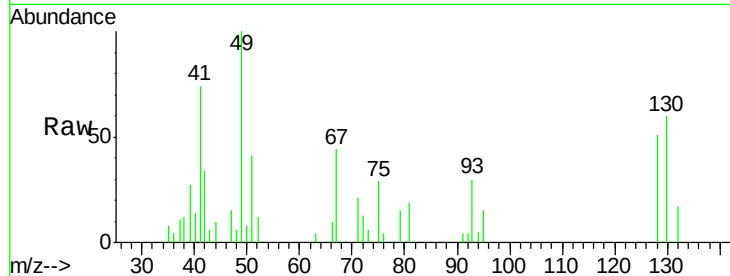
#41
Methacrylonitrile
Concen: 5.436 ug/l m
RT: 7.32 min Scan# 941
Delta R.T. -0.00 min
Lab File: VY000051.D
Acq: 17 Sep 2019 10:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion:	41	Resp:	3827
Ion Ratio	Lower	Upper	
41	100		
39	0.0	91.8	137.6#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

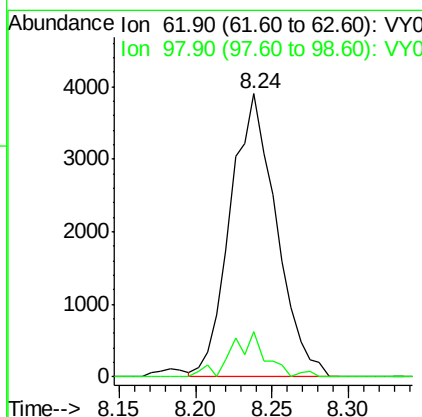
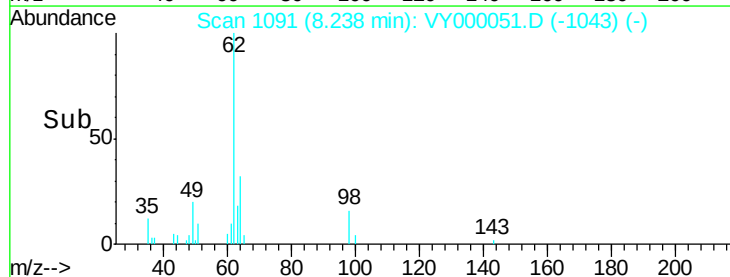
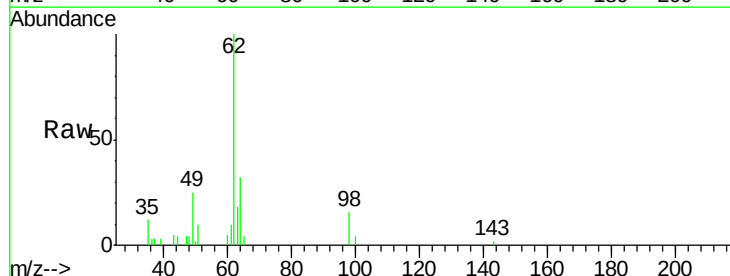
Manual Integrations
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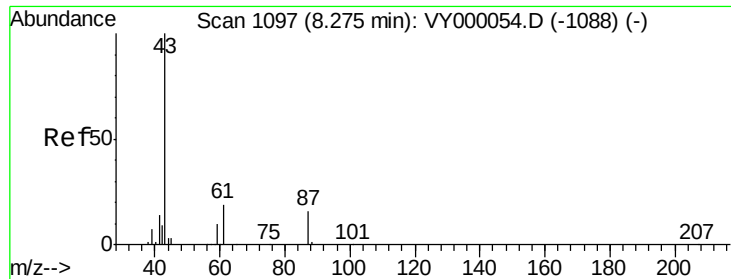
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#42
1,2-Dichloroethane
Concen: 5.371 ug/l
RT: 8.24 min Scan# 1091
Delta R.T. -0.01 min
Lab File: VY000051.D
Acq: 17 Sep 2019 10:12

Tgt Ion:	62	Resp:	8144
Ion Ratio	Lower	Upper	
62	100		
98	12.0	0.0	23.6





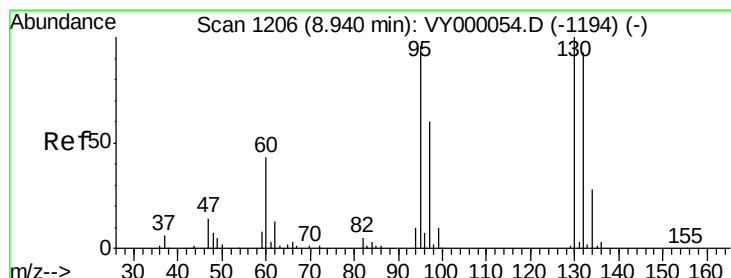
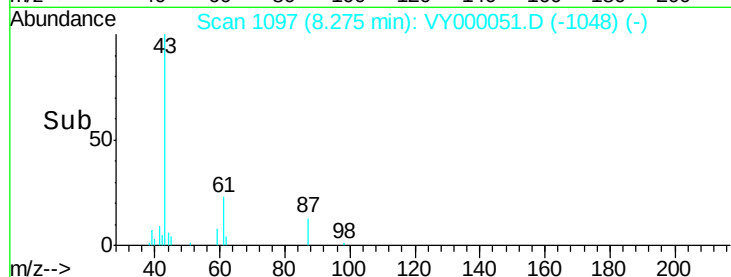
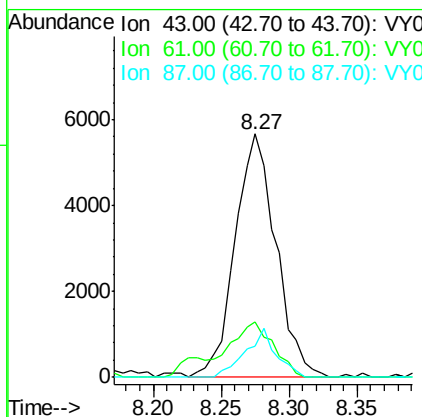
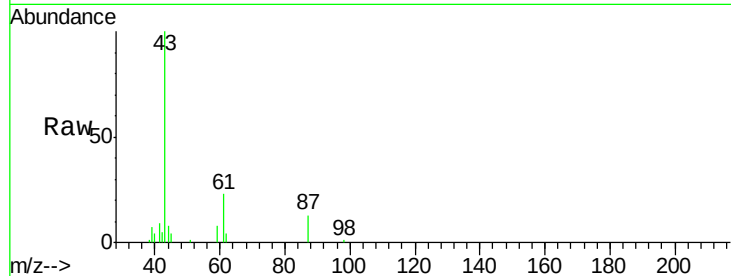
#43
Isopropyl Acetate
Concen: 5.014 ug/l
RT: 8.27 min Scan# 1097
Delta R.T. -0.00 min
Lab File: VY000051.D
Acq: 17 Sep 2019 10:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	24.4	25.0	37.6#
87	15.1	12.4	18.6

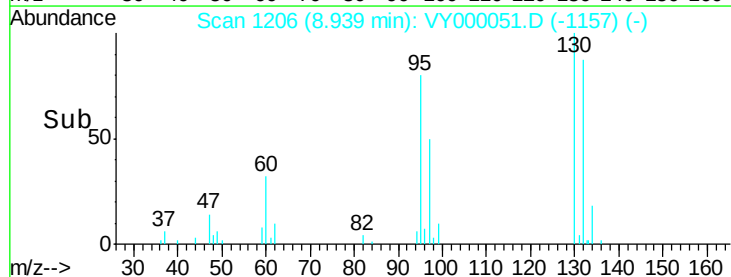
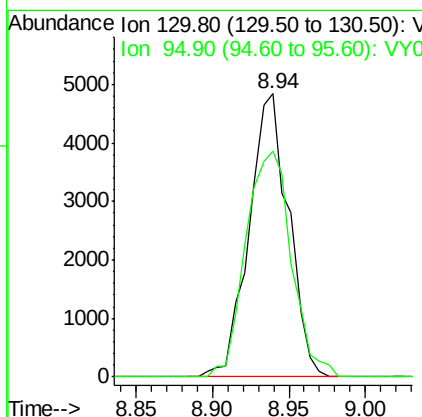
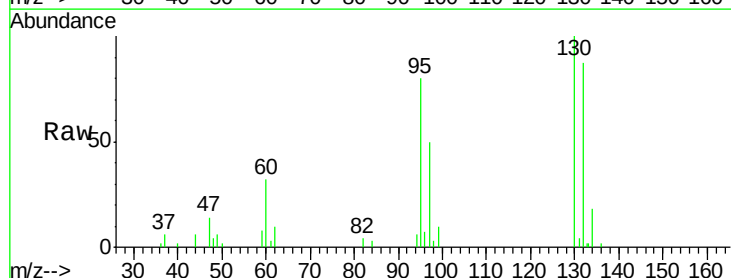
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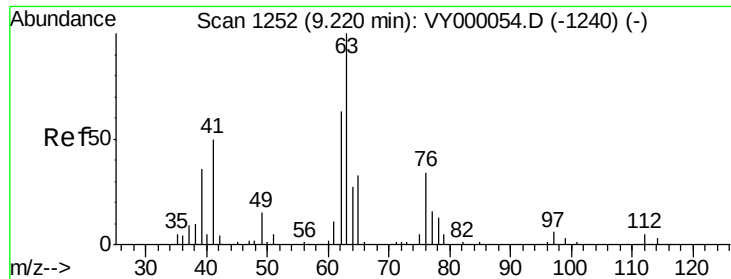
MMDadoda
9/19/2019 1:29:45 AM



#44
Trichloroethene
Concen: 5.897 ug/l
RT: 8.94 min Scan# 1206
Delta R.T. -0.00 min
Lab File: VY000051.D
Acq: 17 Sep 2019 10:12

Tgt Ion	Ratio	Lower	Upper
130	100		
95	79.9	0.0	192.0





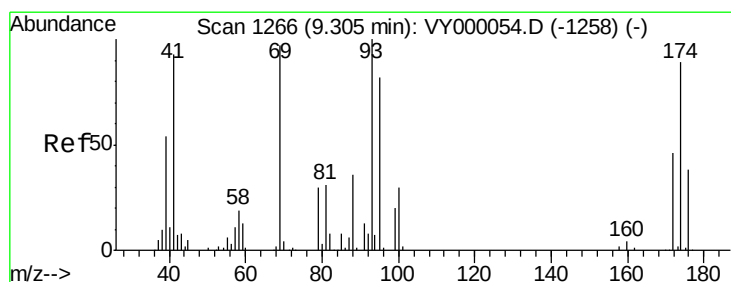
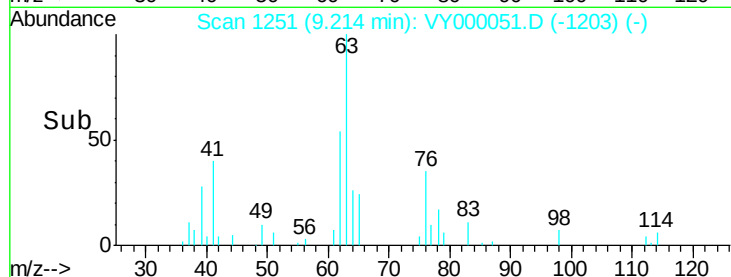
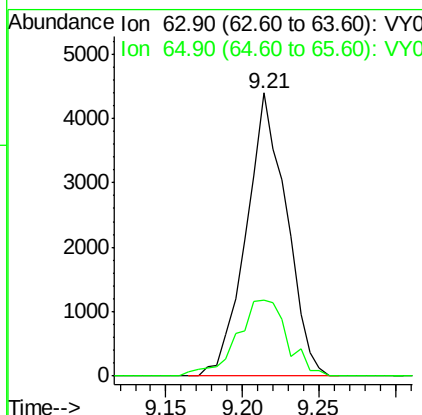
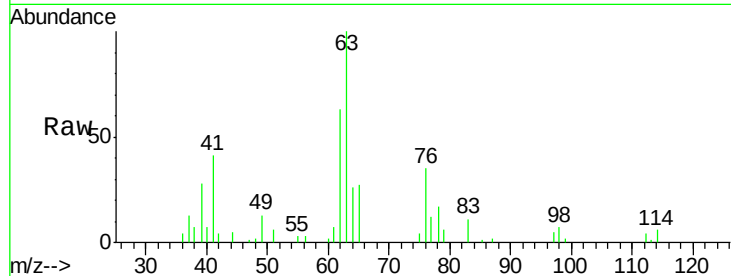
#45
 1,2-Dichloropropane
 Concen: 5.276 ug/l
 RT: 9.21 min Scan# 1251
 Delta R.T. -0.01 min
 Lab File: VY000051.D
 Acq: 17 Sep 2019 10:12

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Tot Ion: 63 Resp: 8021
 Ion Ratio Lower Upper
 63 100
 65 26.8 26.2 39.4

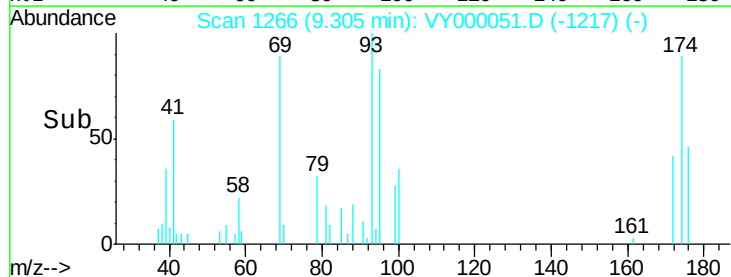
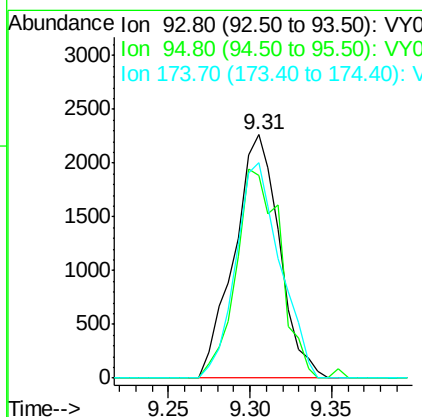
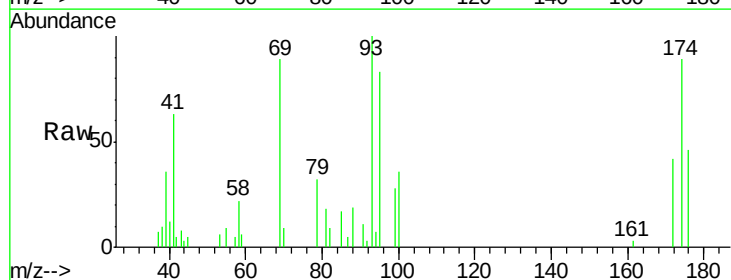
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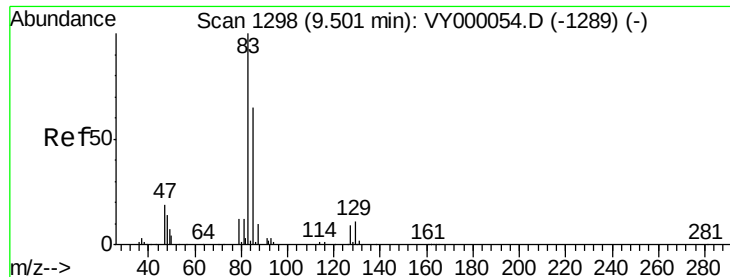
MMDadoda
 9/19/2019 1:29:45 AM



#46
 Dibromomethane
 Concen: 5.170 ug/l
 RT: 9.31 min Scan# 1266
 Delta R.T. -0.00 min
 Lab File: VY000051.D
 Acq: 17 Sep 2019 10:12

Tgt Ion: 93 Resp: 4368
 Ion Ratio Lower Upper
 93 100
 95 83.7 68.1 102.1
 174 86.8 67.8 101.6





#47

Bromodichloromethane

Concen: 4.989 ug/l

RT: 9.50 min Scan# 1298

Delta R.T. -0.00 min

Lab File: VY000051.D

Acq: 17 Sep 2019 10:12

Instrument :

MSVOA_Y

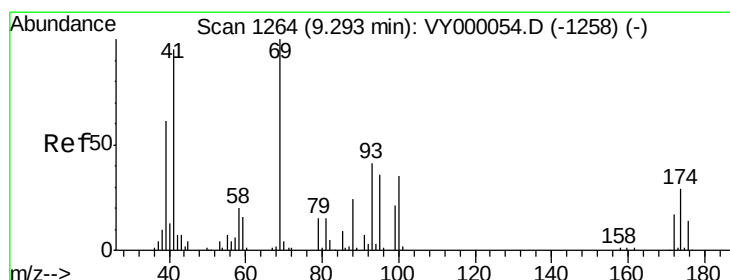
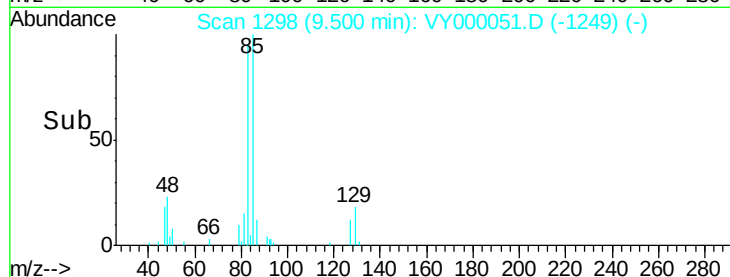
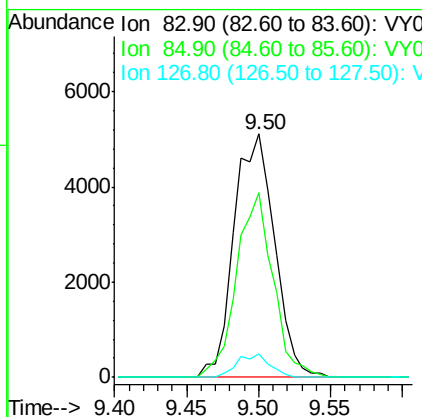
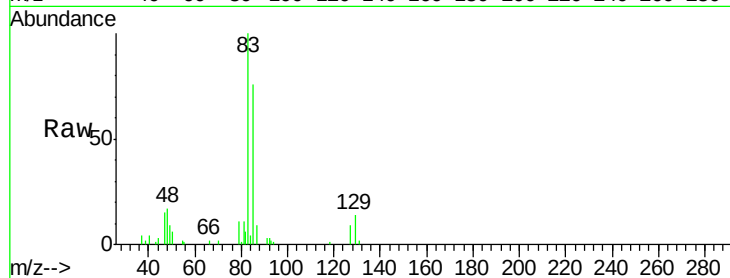
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	10059
Ion	Ratio	Lower	Upper
83	100		
85	75.9	52.3	78.5
127	9.4	6.8	10.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 5.035 ug/l

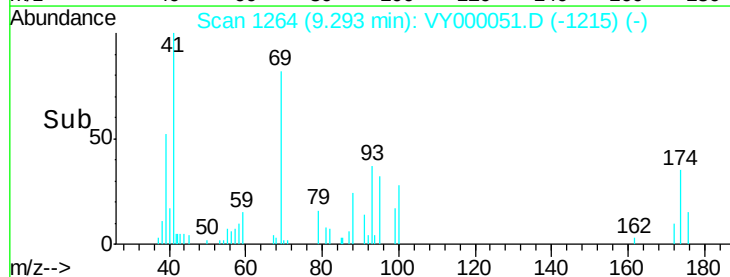
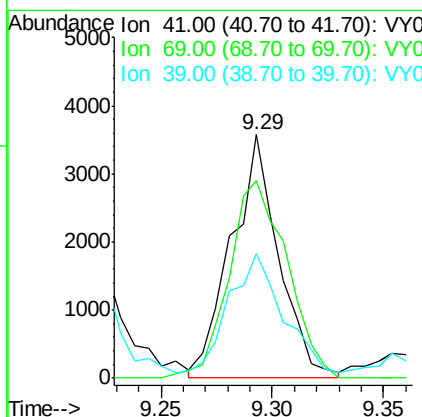
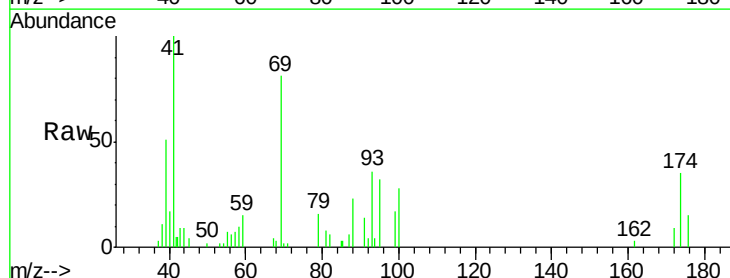
RT: 9.29 min Scan# 1264

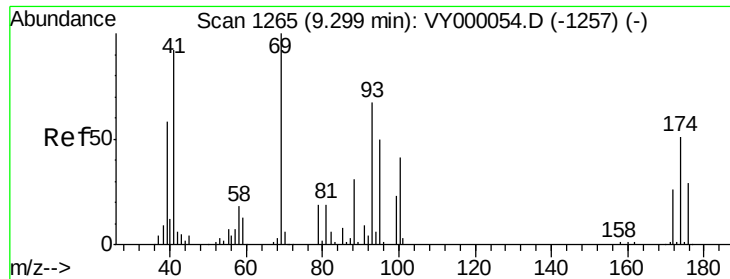
Delta R.T. -0.00 min

Lab File: VY000051.D

Acq: 17 Sep 2019 10:12

Tgt Ion:	41	Resp:	5279
Ion	Ratio	Lower	Upper
41	100		
69	99.2	78.1	117.1
39	61.7	49.4	74.0





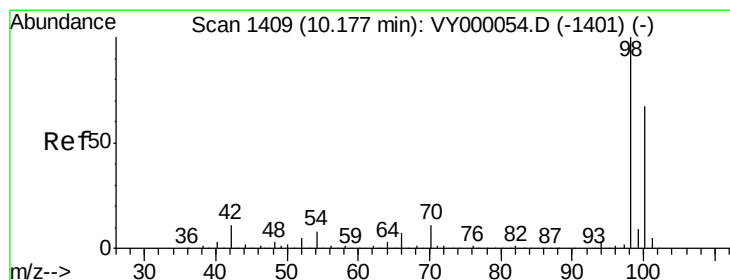
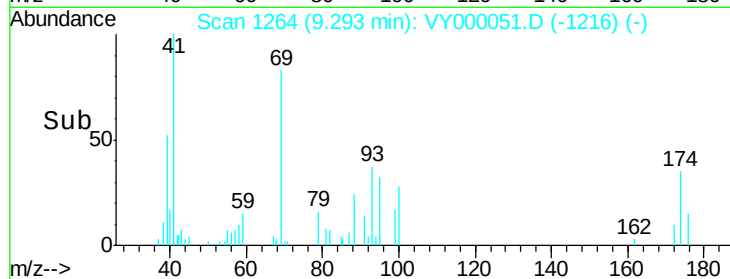
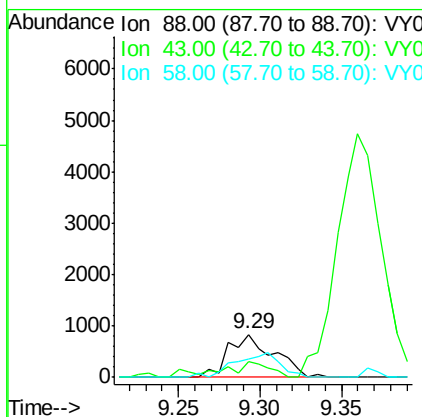
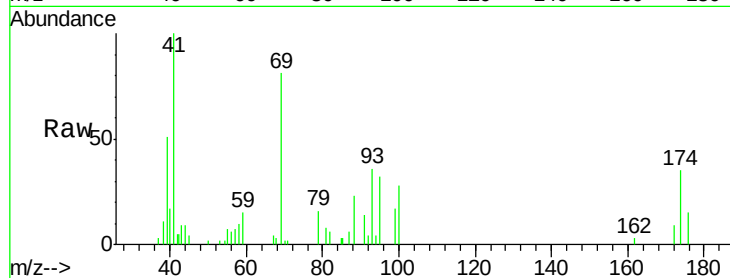
#49
 1,4-Dioxane
 Concen: 91.998 ug/l
 RT: 9.29 min Scan# 1264
 Delta R.T. -0.01 min
 Lab File: VY000051.D
 Acq: 17 Sep 2019 10:12

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Tot Ion	88	Resp	1629
Ion	Ratio	Lower	Upper
88	100		
43	31.9	18.7	28.1#
58	55.6	53.0	79.6

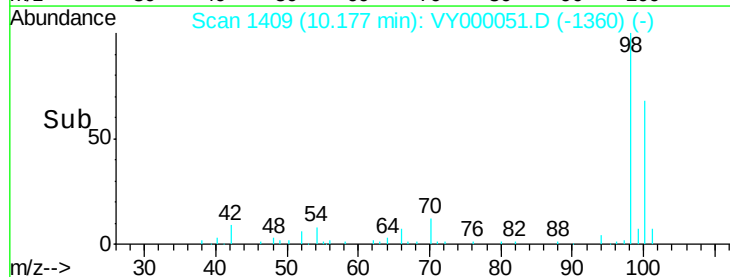
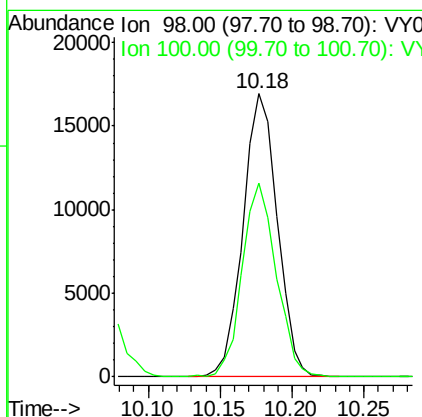
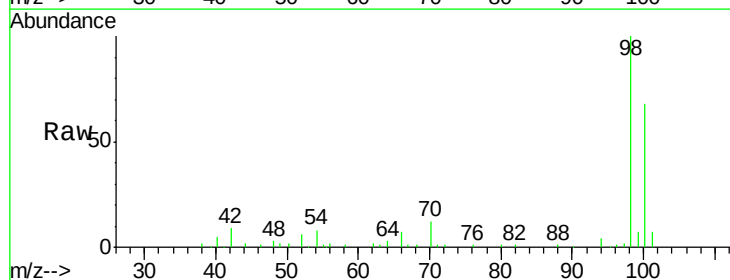
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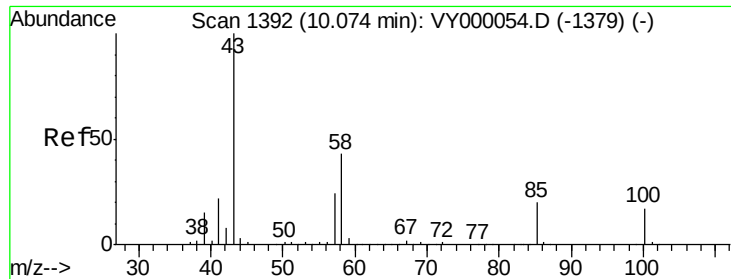
MMDadoda
 9/19/2019 1:29:45 AM



#50
 Toluene-d8
 Concen: 4.991 ug/l
 RT: 10.18 min Scan# 1409
 Delta R.T. -0.00 min
 Lab File: VY000051.D
 Acq: 17 Sep 2019 10:12

Tgt Ion	98	Resp	27947
Ion	Ratio	Lower	Upper
98	100		
100	68.0	53.1	79.7





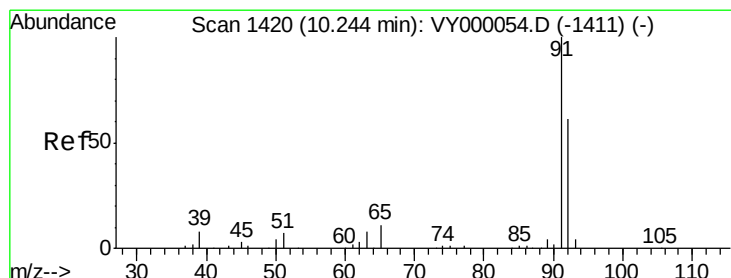
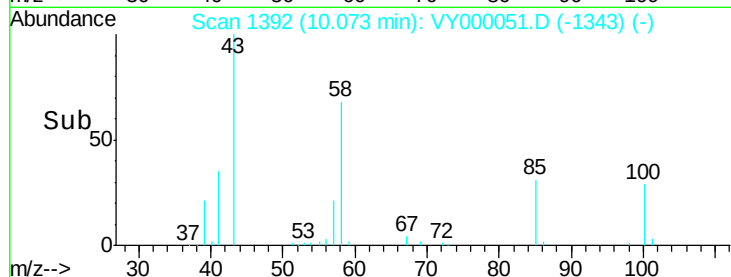
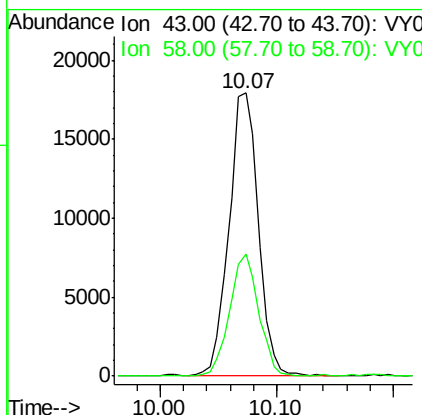
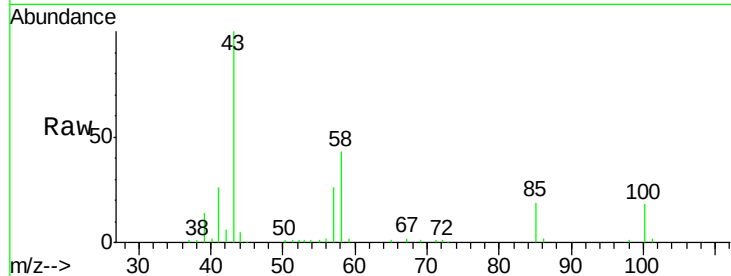
#51
4-Methyl-2-Pentanone
Concen: 23.852 ug/l
RT: 10.07 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VY000051.D
Acq: 17 Sep 2019 10:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	43	58	Ratio	Lower	Upper
31511	100	42.5		34.2	51.2

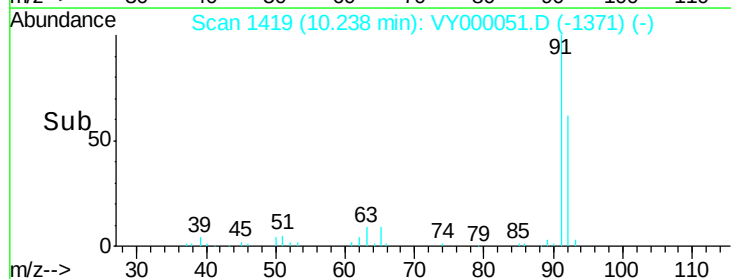
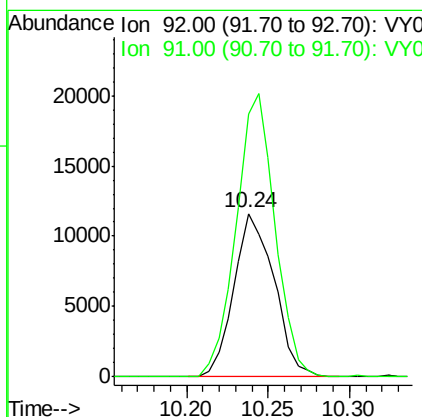
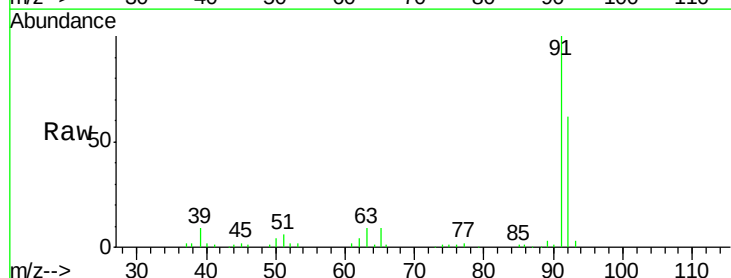
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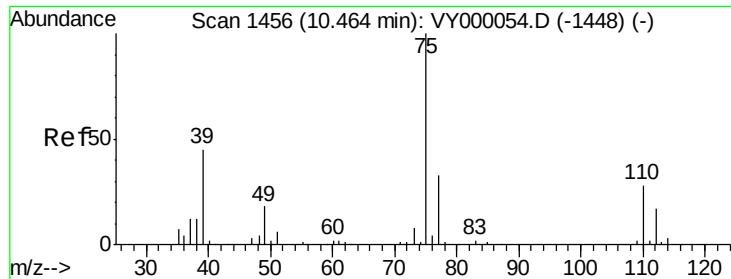
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#52
Toluene
Concen: 5.373 ug/l
RT: 10.24 min Scan# 1419
Delta R.T. -0.01 min
Lab File: VY000051.D
Acq: 17 Sep 2019 10:12

Tgt Ion	92	91	Ratio	Lower	Upper
19919	100	168.1		135.8	203.6





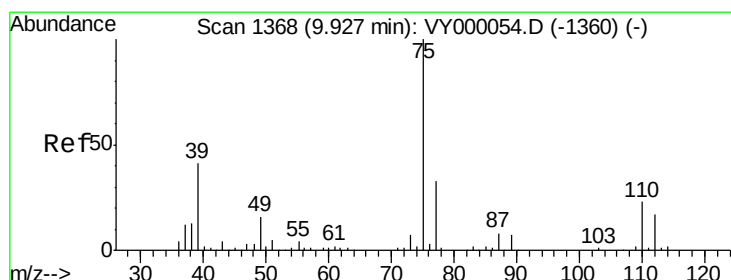
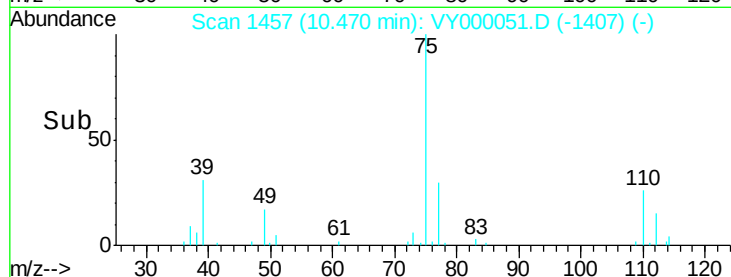
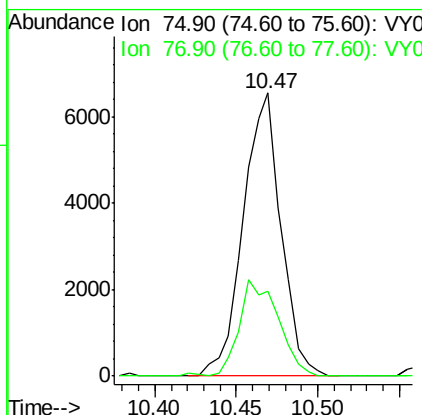
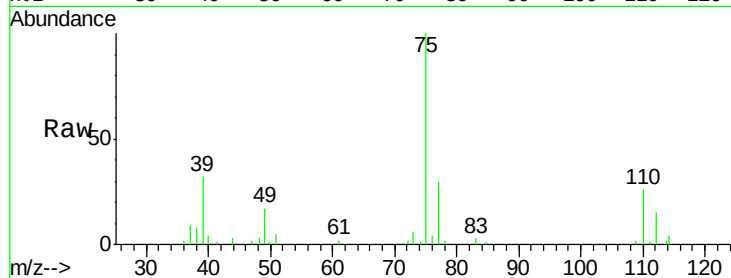
#53
t-1,3-Dichloropropene
Concen: 4.965 ug/l
RT: 10.47 min Scan# 1457
Delta R.T. 0.01 min
Lab File: VY000051.D
Acq: 17 Sep 2019 10:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion: 75 Resp: 10539
Ion Ratio Lower Upper
75 100
77 29.9 26.2 39.2

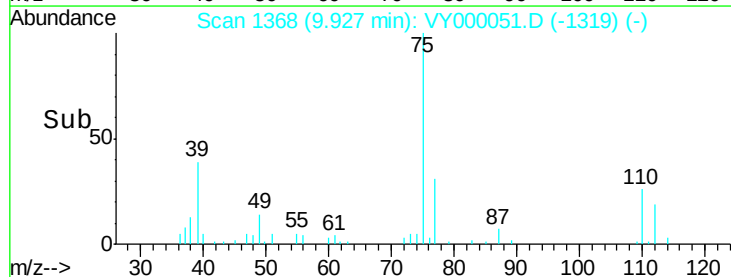
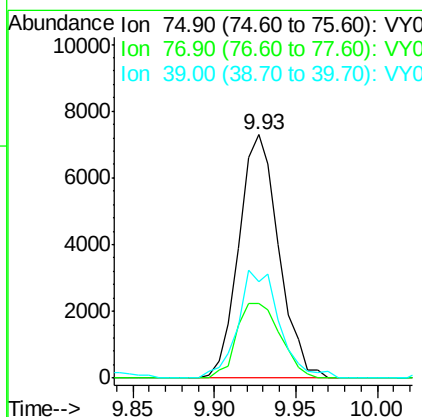
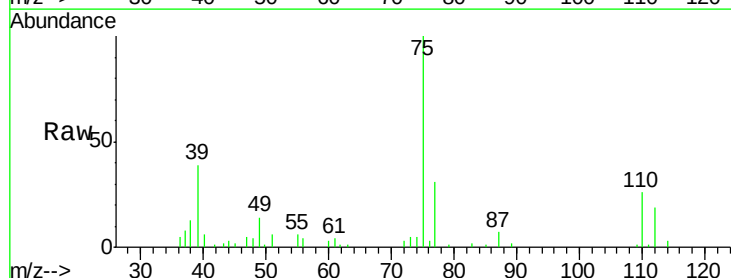
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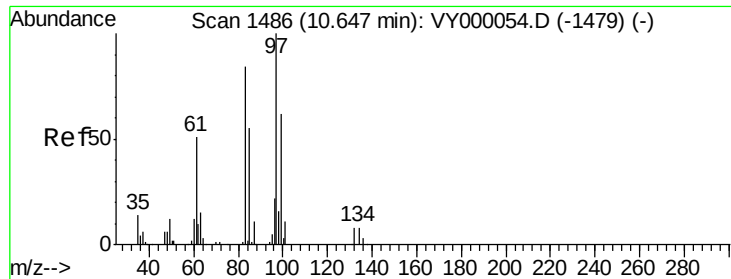
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 5.021 ug/l
RT: 9.93 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VY000051.D
Acq: 17 Sep 2019 10:12

Tgt Ion: 75 Resp: 12434
Ion Ratio Lower Upper
75 100
77 30.7 26.1 39.1
39 39.4 33.1 49.7





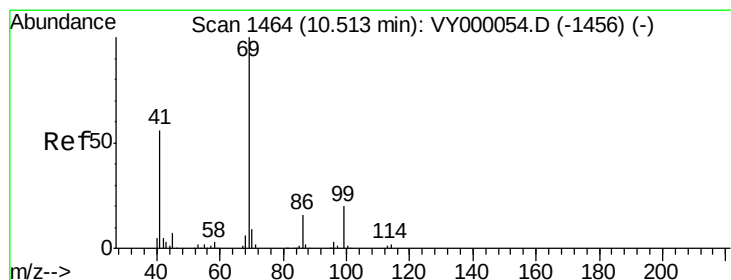
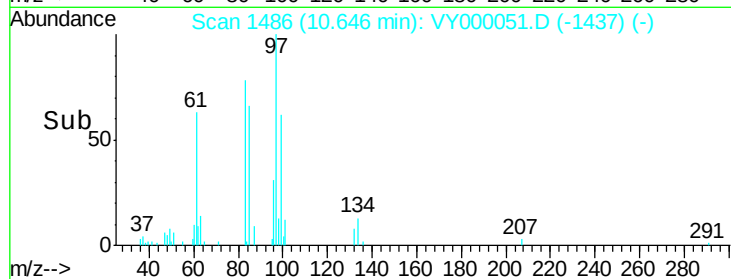
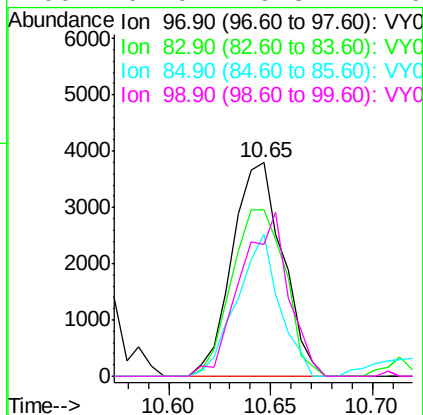
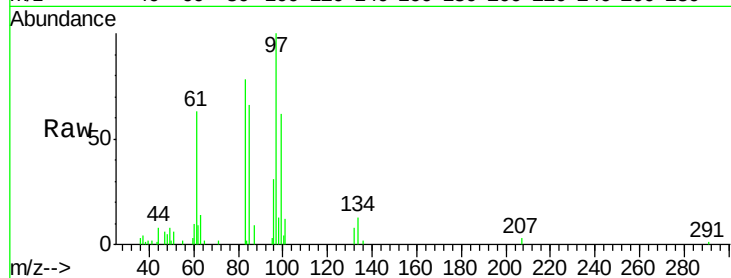
#55
 1,1,2-Trichloroethane
 Concen: 4.853 ug/l
 RT: 10.65 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VY000051.D
 Acq: 17 Sep 2019 10:12

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Tot Ion:	97	Resp:	6534
Ion	Ratio	Lower	Upper
97	100		
83	77.9	67.3	100.9
85	66.5	43.6	65.4#
99	62.0	49.8	74.6

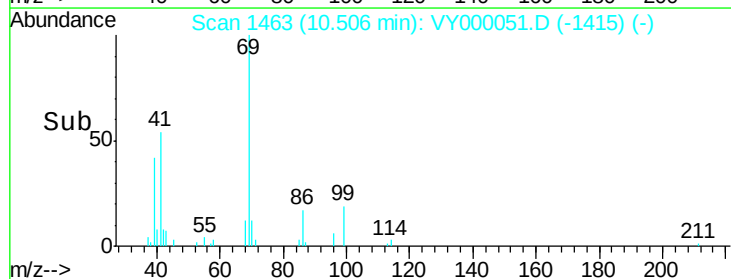
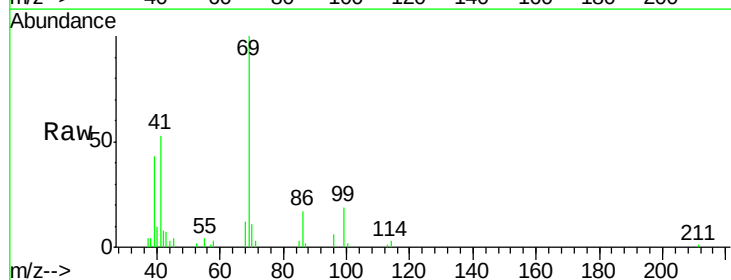
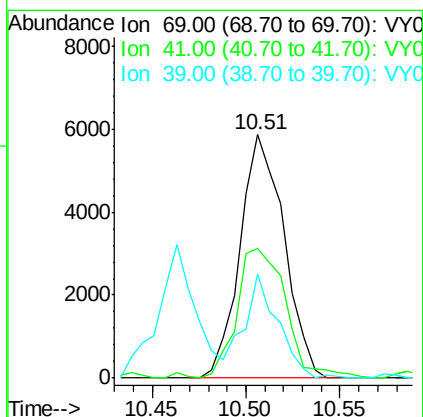
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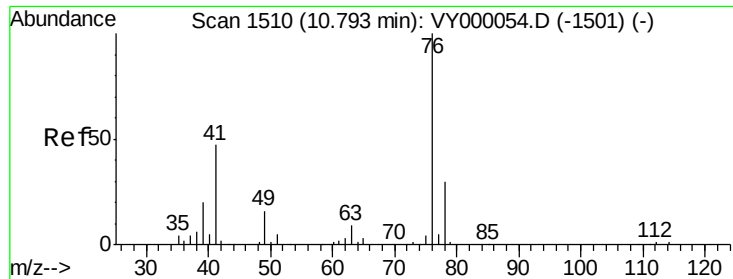
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 9/19/2019 1:29:45 AM



#56
 Ethyl methacrylate
 Concen: 5.022 ug/l
 RT: 10.51 min Scan# 1463
 Delta R.T. -0.01 min
 Lab File: VY000051.D
 Acq: 17 Sep 2019 10:12

Tgt Ion:	69	Resp:	9473
Ion	Ratio	Lower	Upper
69	100		
41	59.7	45.6	68.4
39	33.4	27.3	40.9





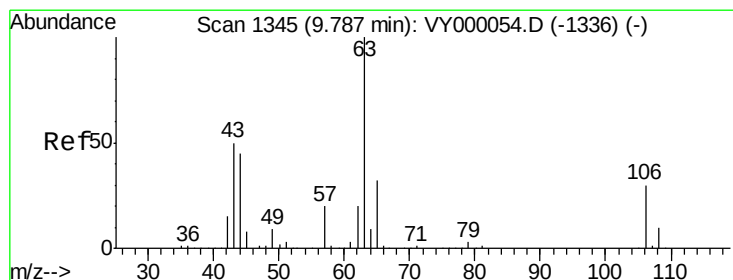
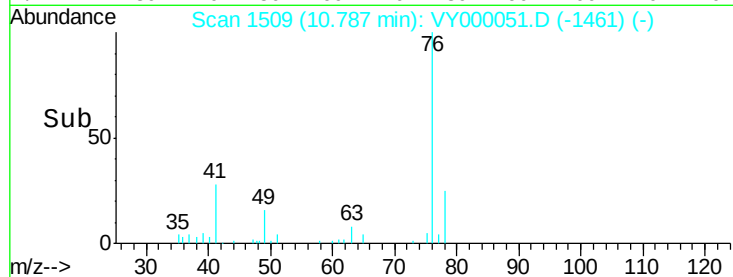
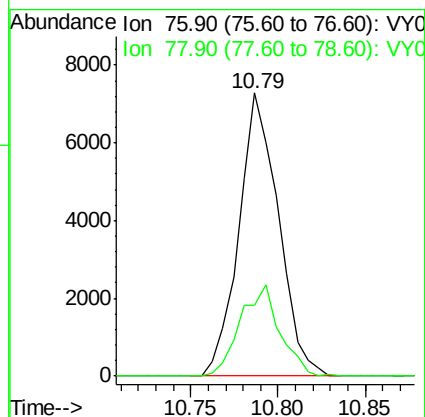
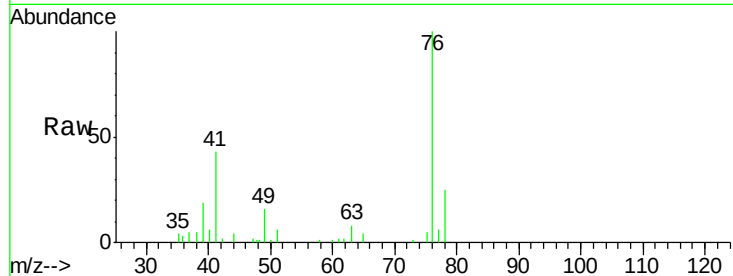
#57
 1,3-Dichloropropane
 Concen: 5.331 ug/l
 RT: 10.79 min Scan# 1509
 Delta R.T. -0.01 min
 Lab File: VY000051.D
 Acq: 17 Sep 2019 10:12

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Tot Ion: 76 Resp: 11443
 Ion Ratio Lower Upper
 76 100
 78 32.2 26.6 40.0

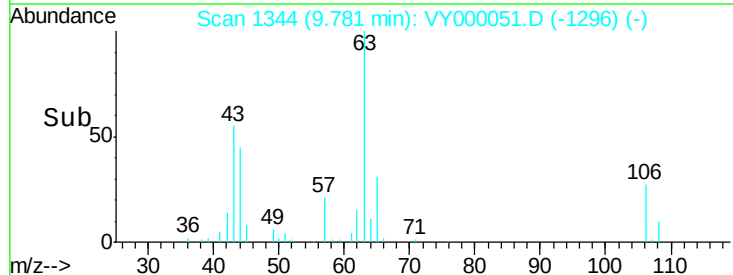
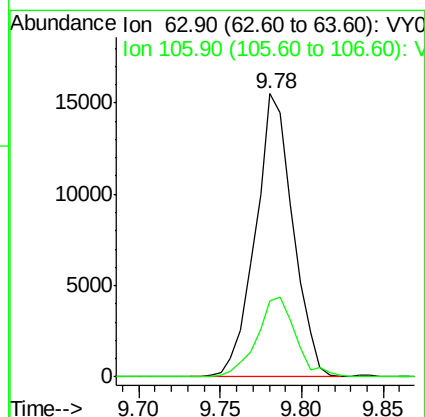
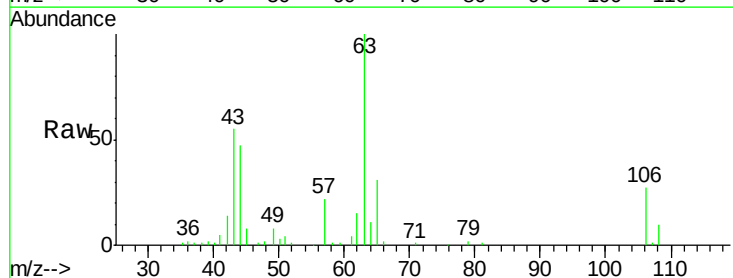
Manual Integrations
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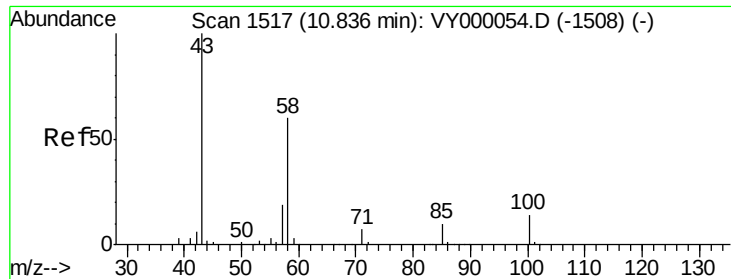
MMDadoda
 9/19/2019 1:29:45 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 24.506 ug/l
 RT: 9.78 min Scan# 1344
 Delta R.T. -0.01 min
 Lab File: VY000051.D
 Acq: 17 Sep 2019 10:12

Tgt Ion: 63 Resp: 24707
 Ion Ratio Lower Upper
 63 100
 106 29.1 23.3 34.9





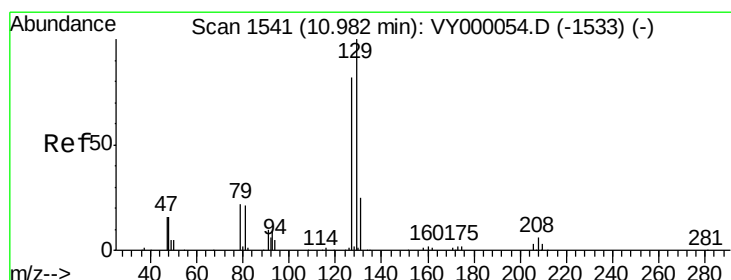
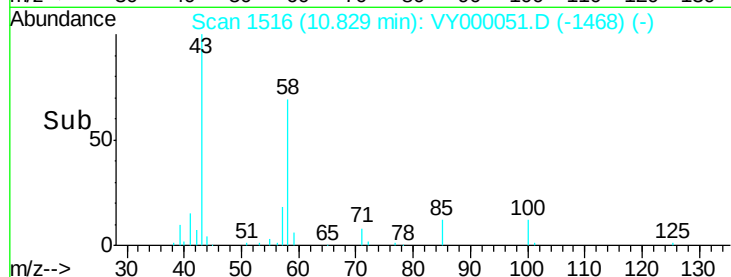
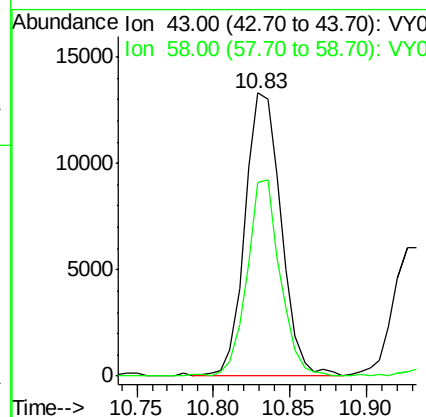
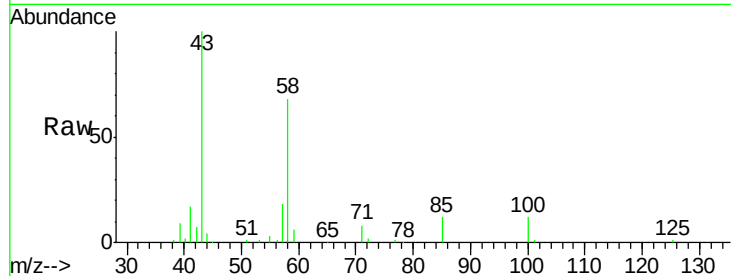
#59
2-Hexanone
Concen: 22.854 ug/l
RT: 10.83 min Scan# 1516
Delta R.T. -0.01 min
Lab File: VY000051.D
Acq: 17 Sep 2019 10:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 21850
Ion Ratio Lower Upper
43 100
58 63.5 29.9 89.7

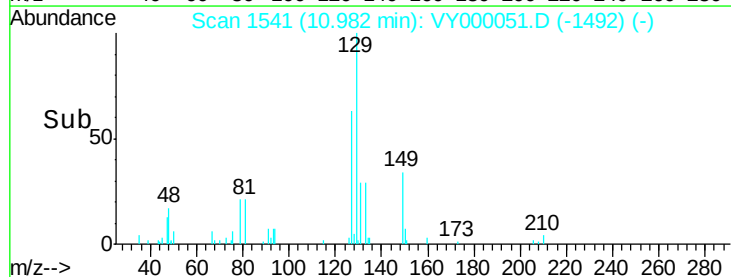
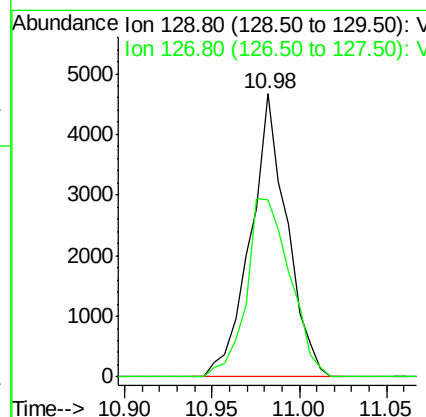
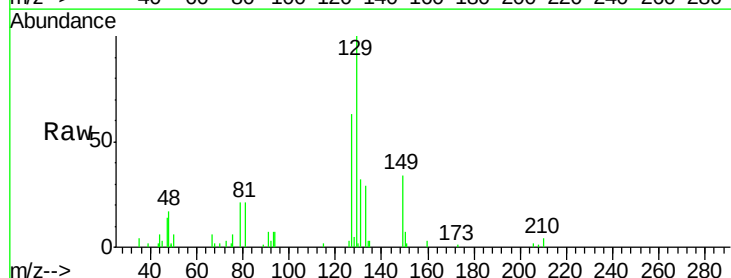
Manual Integrations
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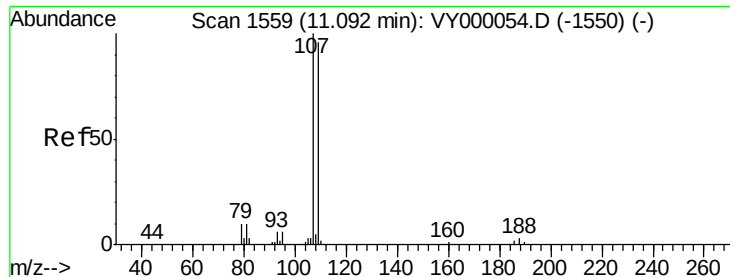
MMDadoda
9/19/2019 1:29:45 AM



#60
Dibromochloromethane
Concen: 4.811 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.00 min
Lab File: VY000051.D
Acq: 17 Sep 2019 10:12

Tgt Ion: 129 Resp: 6771
Ion Ratio Lower Upper
129 100
127 75.1 40.2 120.6





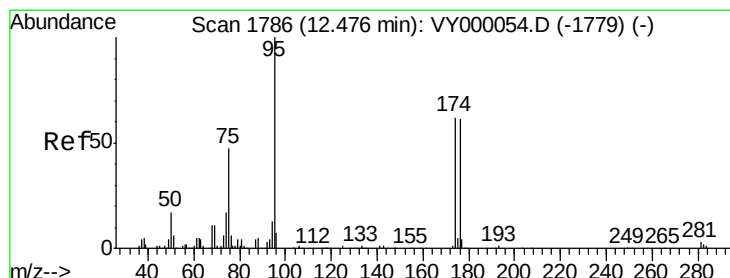
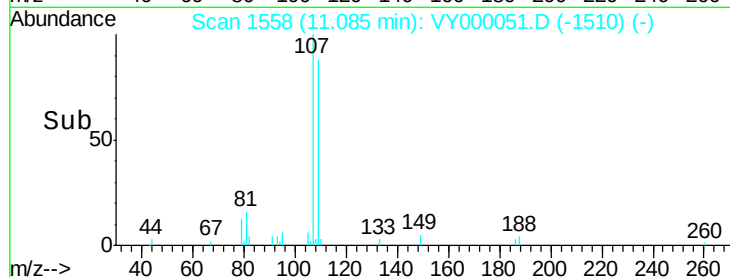
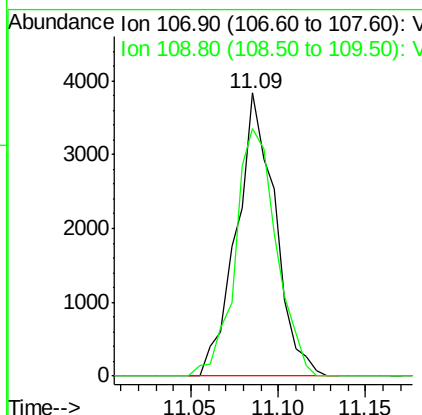
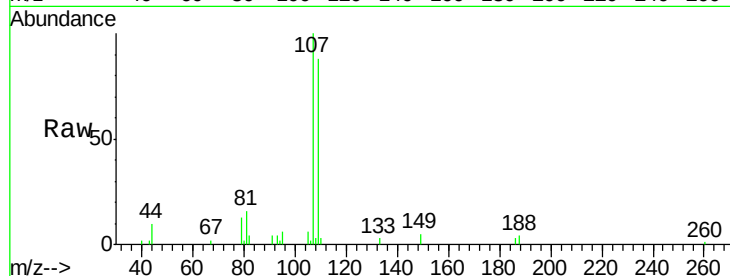
#61
 1,2-Dibromoethane
 Concen: 4.963 ug/l
 RT: 11.09 min Scan# 1558
 Delta R.T. -0.01 min
 Lab File: VY000051.D
 Acq: 17 Sep 2019 10:12

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.9	75.0	112.6

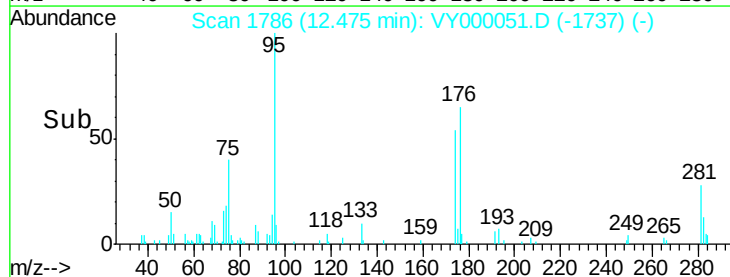
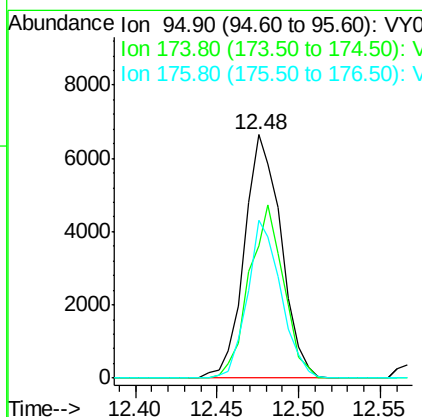
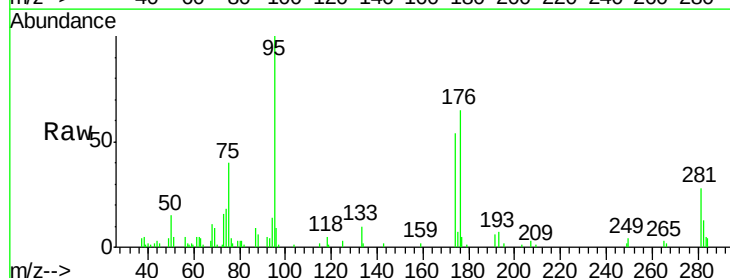
Manual Integrations
 APPROVED

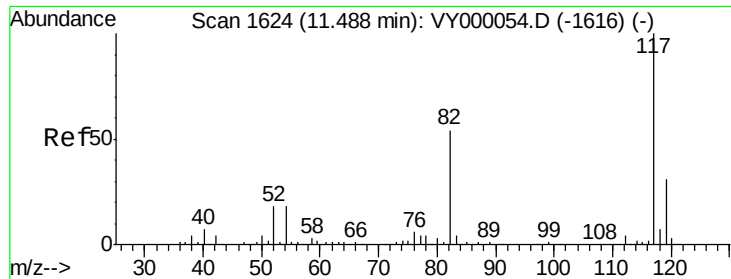
MMDadoda
 9/19/2019 1:29:45 AM



#62
 4-Bromofluorobenzene
 Concen: 5.117 ug/l
 RT: 12.48 min Scan# 1786
 Delta R.T. -0.00 min
 Lab File: VY000051.D
 Acq: 17 Sep 2019 10:12

Tgt Ion	Ratio	Lower	Upper
95	100		
174	66.6	0.0	137.2
176	59.5	0.0	135.0





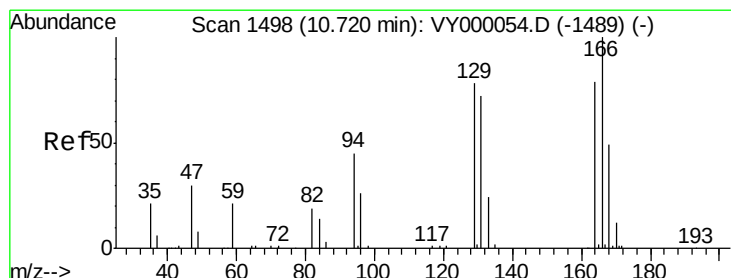
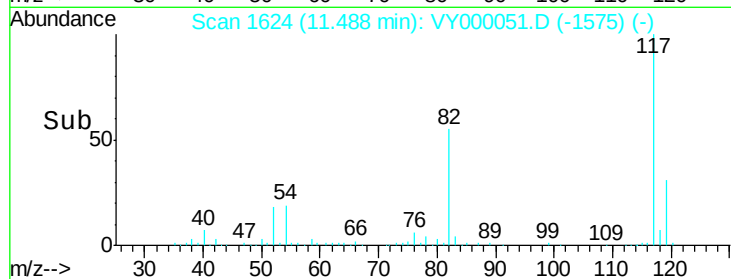
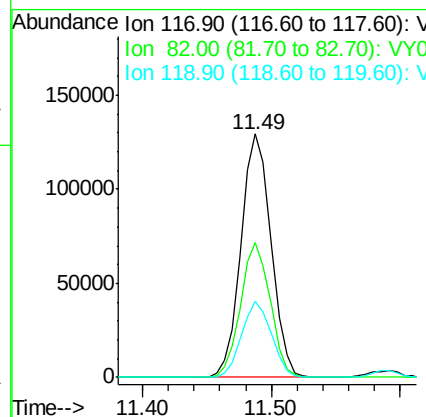
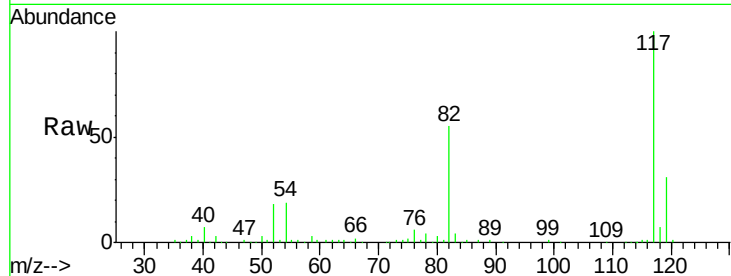
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1624
Delta R.T. -0.00 min
Lab File: VY000051.D
Acq: 17 Sep 2019 10:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.5	43.5	65.3
119	31.3	24.6	36.8

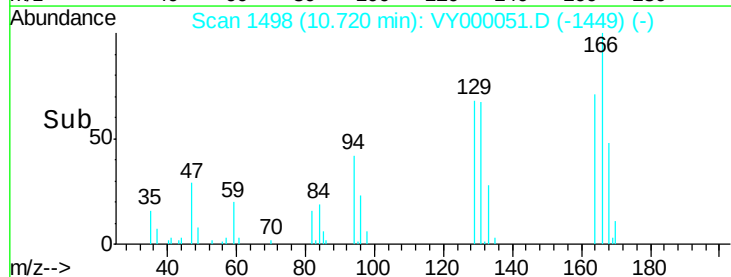
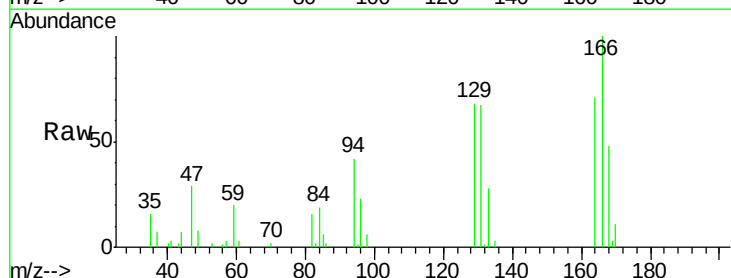
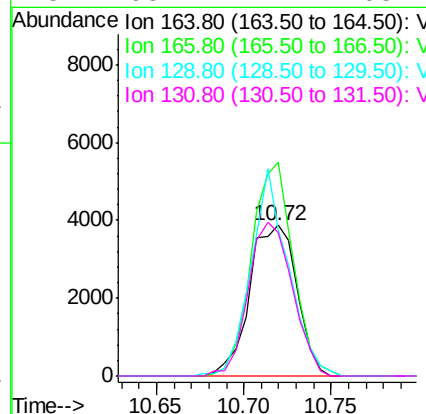
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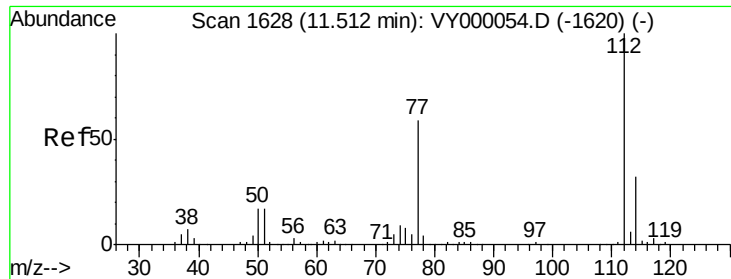
MMDadoda
9/19/2019 1:29:45 AM



#64
Tetrachloroethene
Concen: 5.608 ug/l
RT: 10.72 min Scan# 1498
Delta R.T. -0.00 min
Lab File: VY000051.D
Acq: 17 Sep 2019 10:12

Tgt Ion	Ratio	Lower	Upper
164	100		
166	141.7	100.9	151.3
129	96.5	78.4	117.6
131	95.1	72.2	108.2





#65

Chlorobenzene

Concen: 5.216 ug/l

RT: 11.51 min Scan# 1628

Delta R.T. -0.00 min

Lab File: VY000051.D

Acq: 17 Sep 2019 10:12

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion:112 Resp: 21018

Ion Ratio Lower Upper

112 100

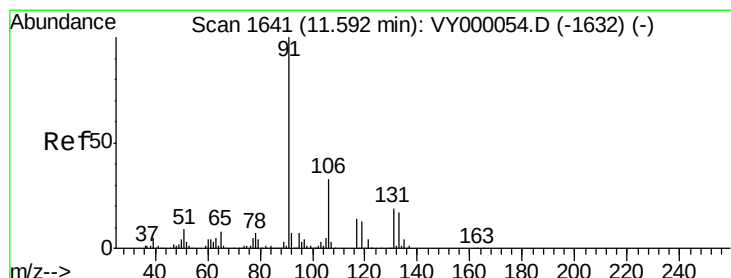
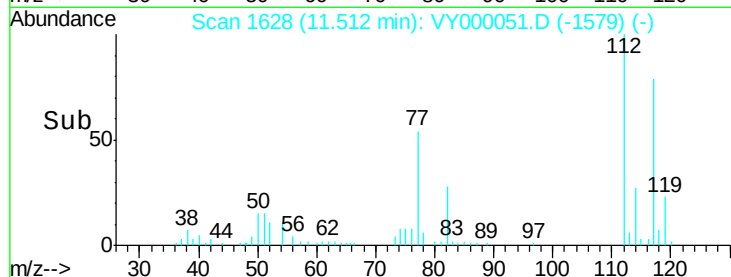
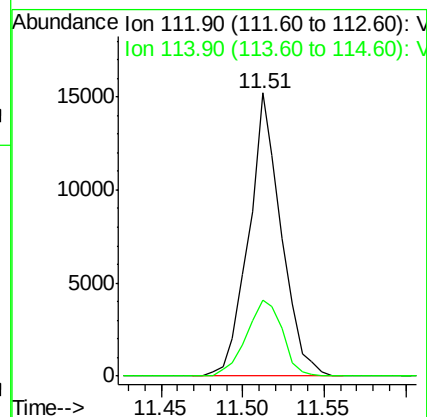
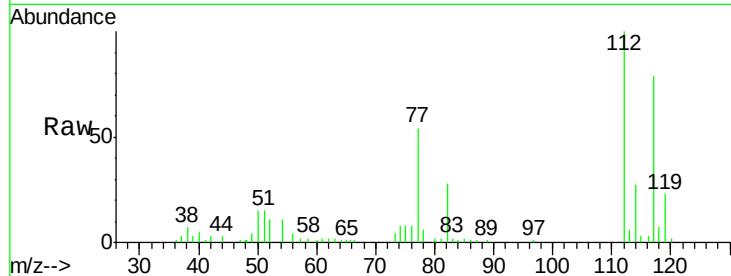
114 26.7 25.6 38.4

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 4.804 ug/l

RT: 11.59 min Scan# 1640

Delta R.T. -0.01 min

Lab File: VY000051.D

Acq: 17 Sep 2019 10:12

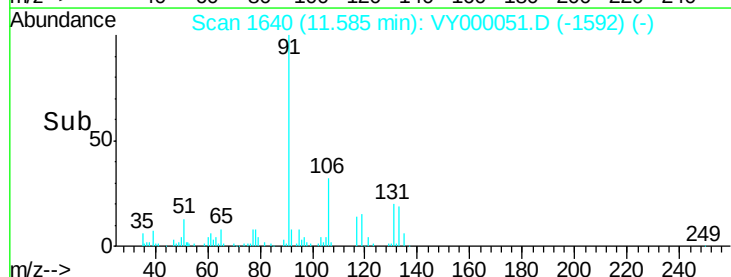
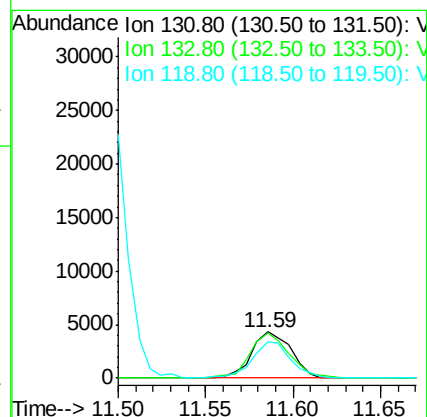
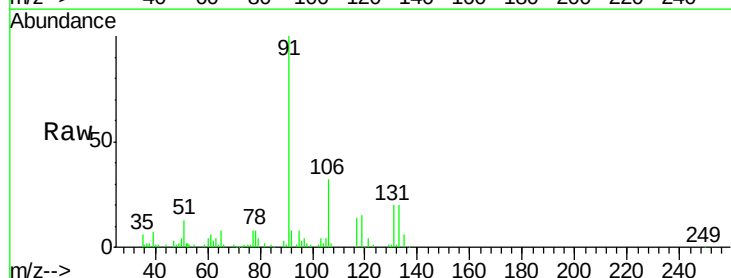
Tgt Ion:131 Resp: 6728

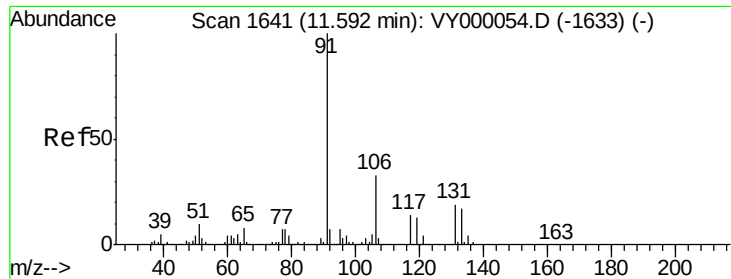
Ion Ratio Lower Upper

131 100

133 97.8 46.6 139.8

119 78.8 36.2 108.6





#67

Ethyl Benzene

Concen: 5.148 ug/l

RT: 11.59 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VY000051.D

Acq: 17 Sep 2019 10:12

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 37695

Ion Ratio Lower Upper

91 100

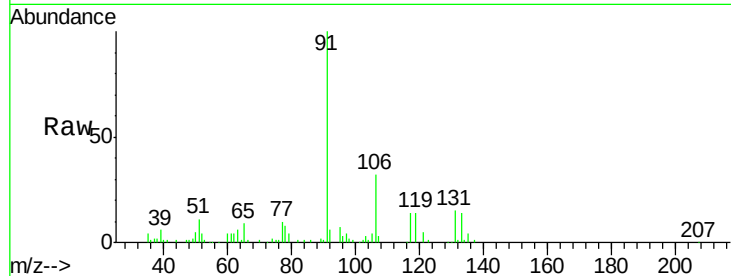
106 32.1 26.6 40.0

Manual Integrations

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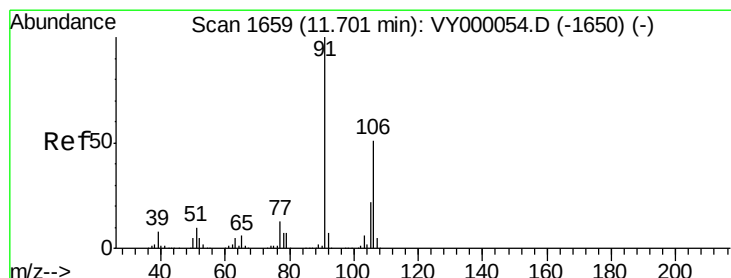
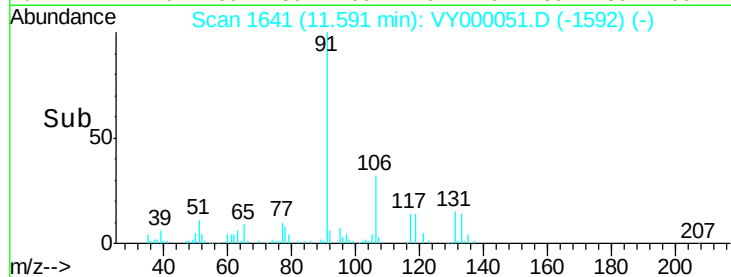
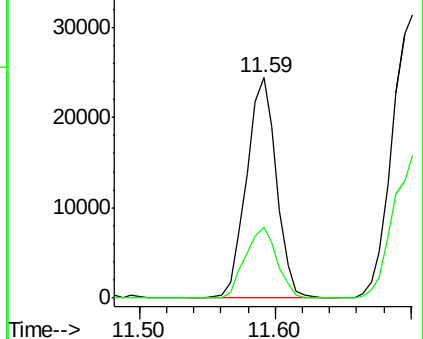
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Abundance Ion 91.00 (90.70 to 91.70): VY000054.D (-1633) (-)

Ion 106.00 (105.70 to 106.70): VY000054.D (-1633) (-)



#68

m/p-Xylenes

Concen: 10.101 ug/l

RT: 11.70 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VY000051.D

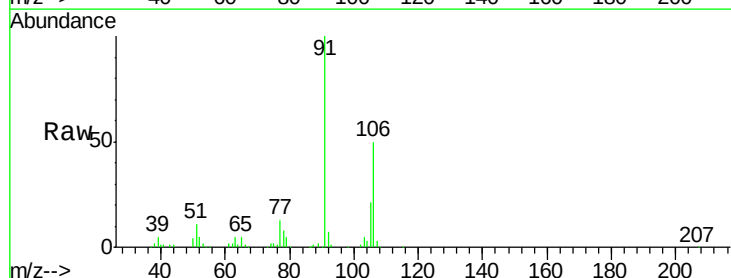
Acq: 17 Sep 2019 10:12

Tgt Ion: 106 Resp: 27952

Ion Ratio Lower Upper

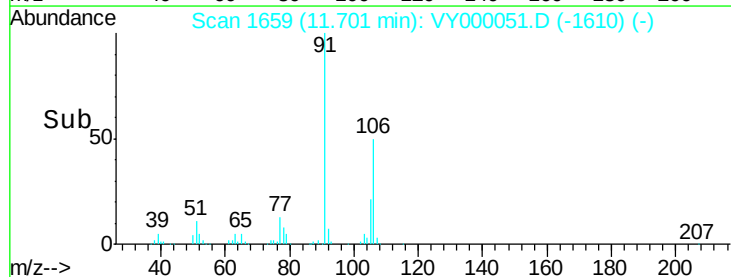
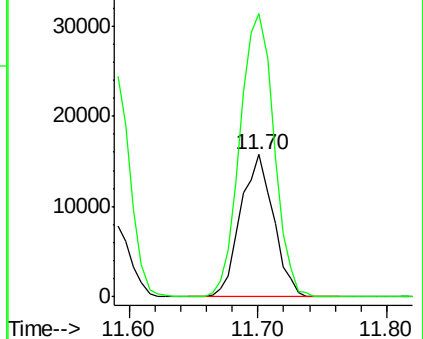
106 100

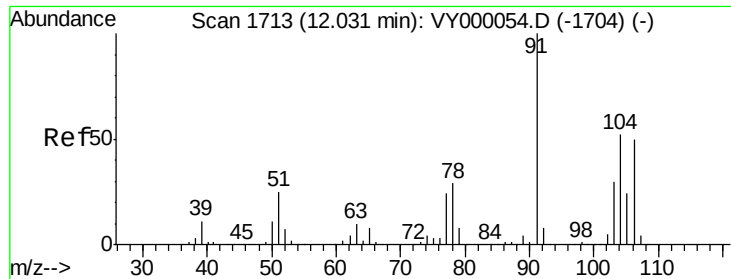
91 205.1 154.5 231.7



Abundance Ion 106.00 (105.70 to 106.70): VY000054.D (-1650) (-)

Ion 91.00 (90.70 to 91.70): VY000054.D (-1650) (-)





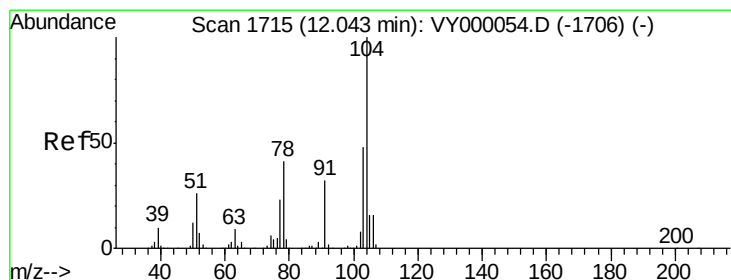
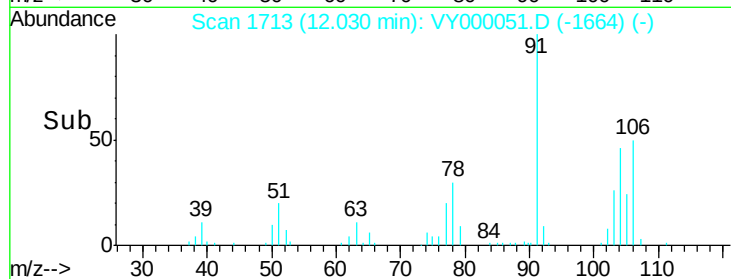
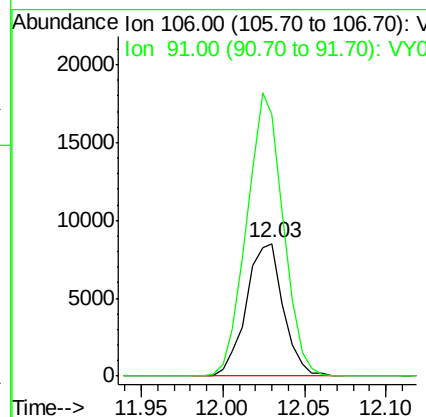
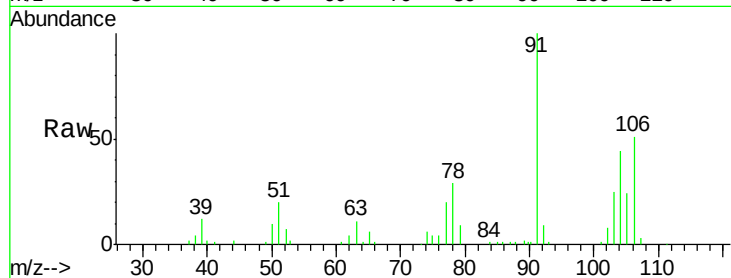
#69
o-Xylene
Concen: 4.988 ug/l
RT: 12.03 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VY000051.D
Acq: 17 Sep 2019 10:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
106	100		
91	209.1	103.5	310.3

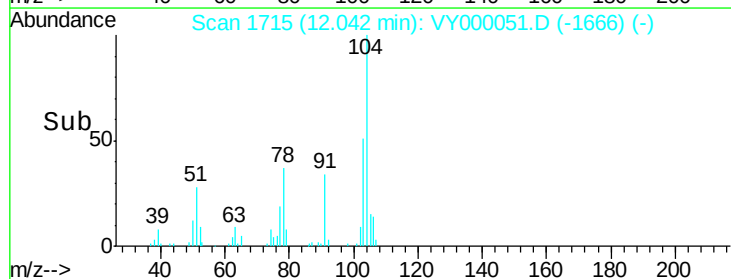
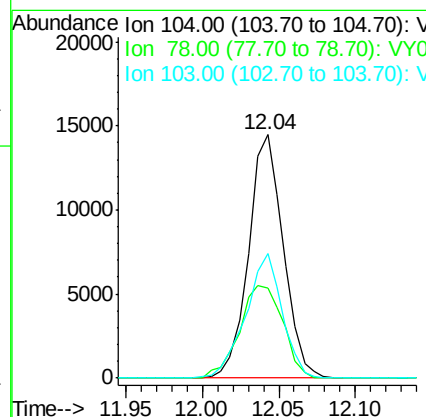
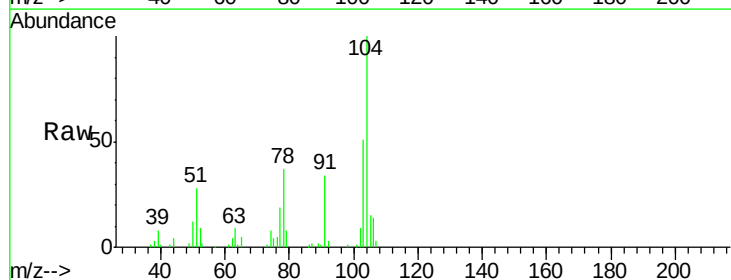
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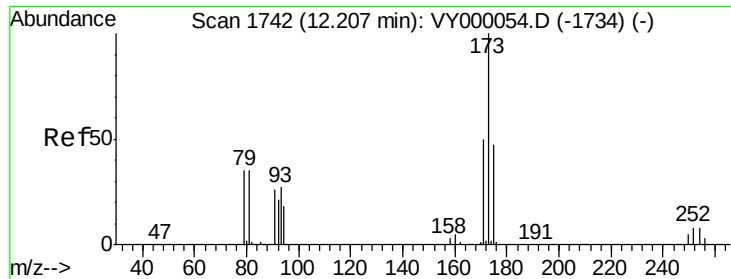
MMDadoda
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#70
Styrene
Concen: 4.829 ug/l
RT: 12.04 min Scan# 1715
Delta R.T. -0.00 min
Lab File: VY000051.D
Acq: 17 Sep 2019 10:12

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.4	37.7	56.5
103	53.6	42.2	63.4





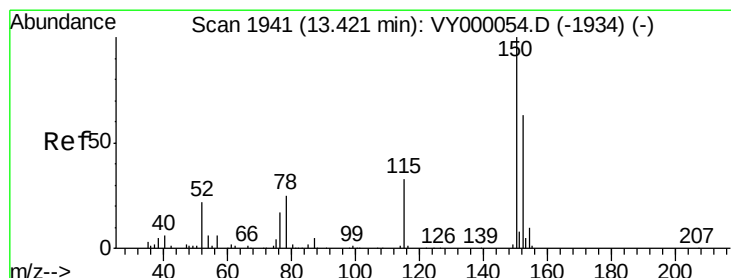
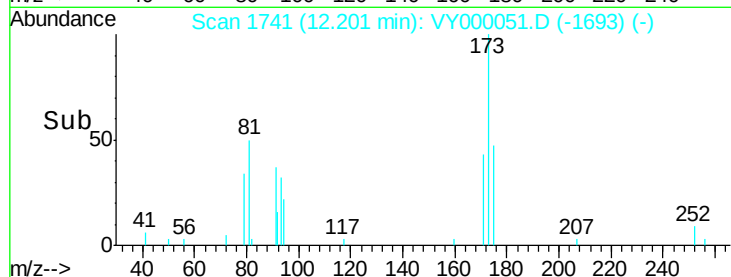
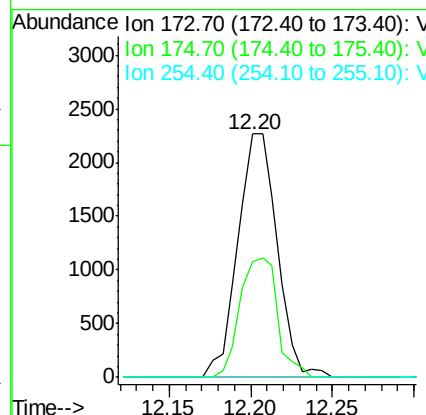
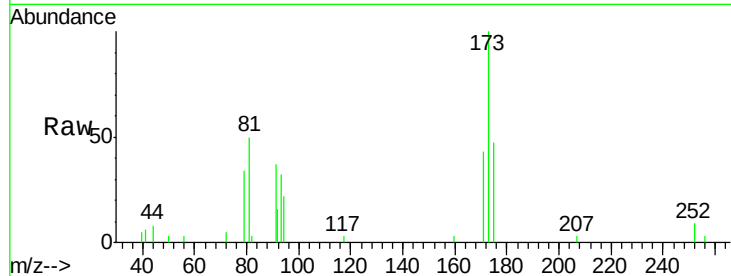
#71
Bromoform
Concen: 4.543 ug/l
RT: 12.20 min Scan# 1741
Delta R.T. -0.01 min
Lab File: VY000051.D
Acq: 17 Sep 2019 10:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
173	100		
175	46.9	23.6	71.0
254	0.0	0.0	0.0

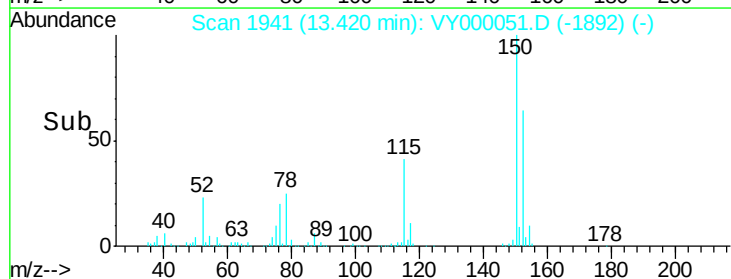
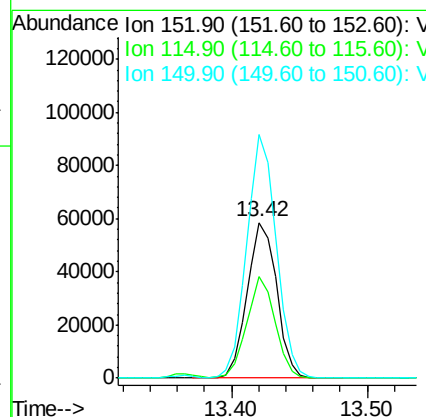
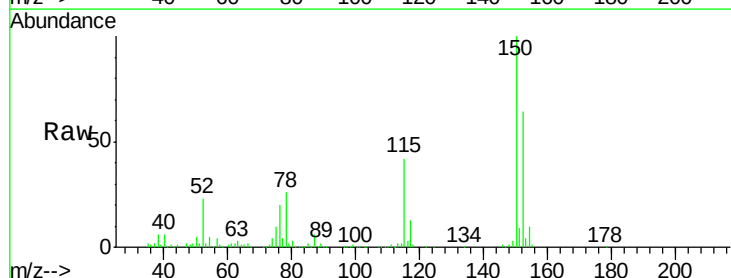
Manual Integrations
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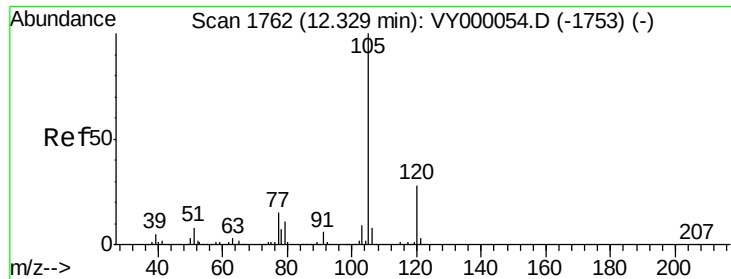
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1941
Delta R.T. -0.00 min
Lab File: VY000051.D
Acq: 17 Sep 2019 10:12

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.6	30.7	92.1
150	156.7	0.0	351.6





#73

Isopropylbenzene

Concen: 5.407 ug/l

RT: 12.33 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY000051.D

Acq: 17 Sep 2019 10:12

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 37600

Ion Ratio Lower Upper

105 100

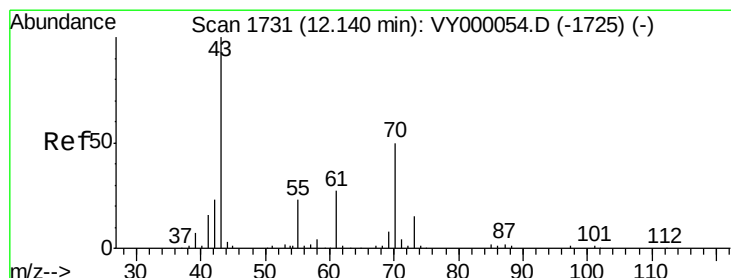
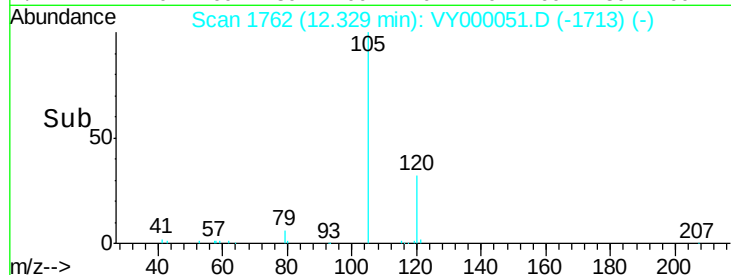
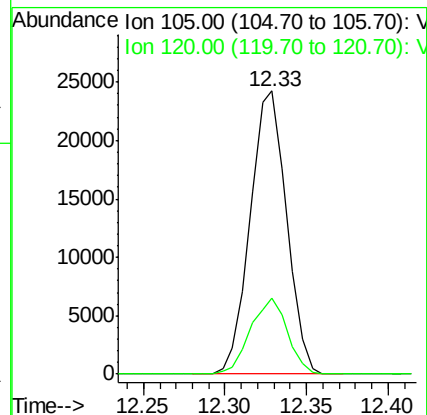
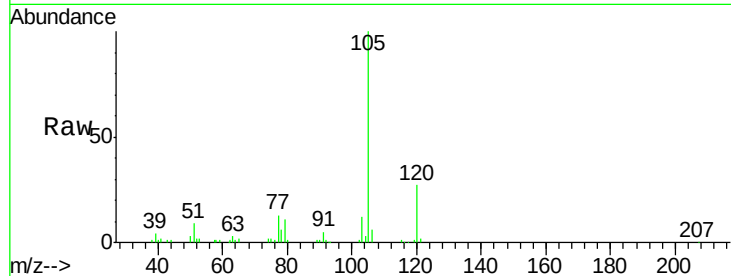
120 27.1 13.9 41.7

Manual Integrations

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#74

N-ethyl acetate

Concen: 4.933 ug/l

RT: 12.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VY000051.D

Acq: 17 Sep 2019 10:12

Tgt Ion: 43 Resp: 10064

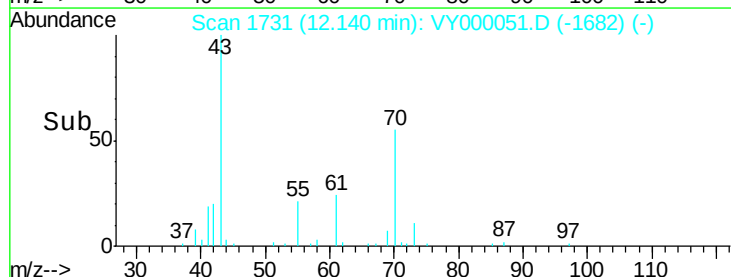
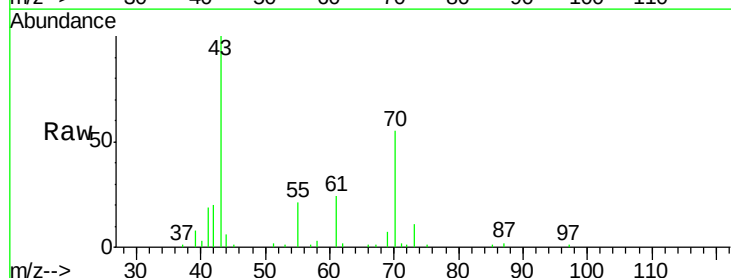
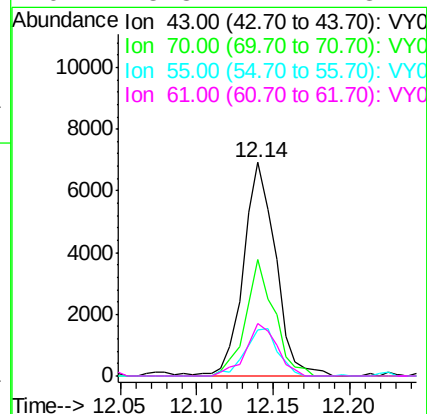
Ion Ratio Lower Upper

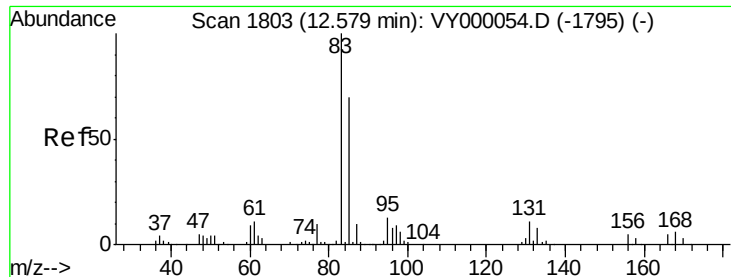
43 100

70 48.9 38.8 58.2

55 22.6 18.8 28.2

61 23.8 21.4 32.2





#75

1,1,2,2-Tetrachloroethane

Concen: 5.166 ug/l

RT: 12.59 min Scan# 1804

Delta R.T. 0.01 min

Lab File: VY000051.D

Acq: 17 Sep 2019 10:12

Instrument :

MSVOA_Y

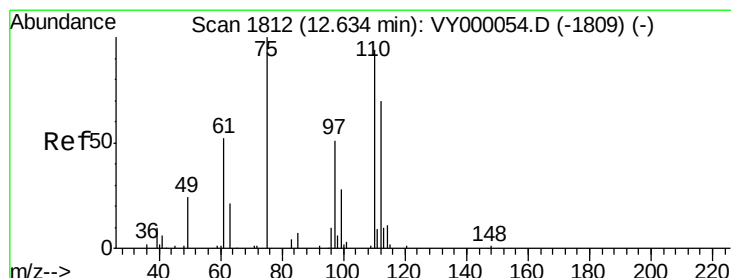
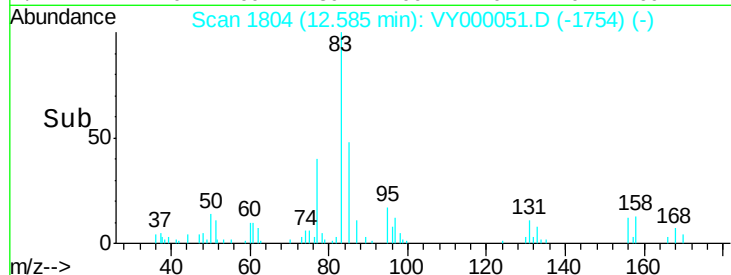
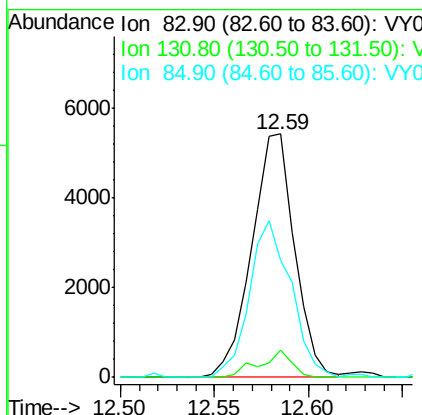
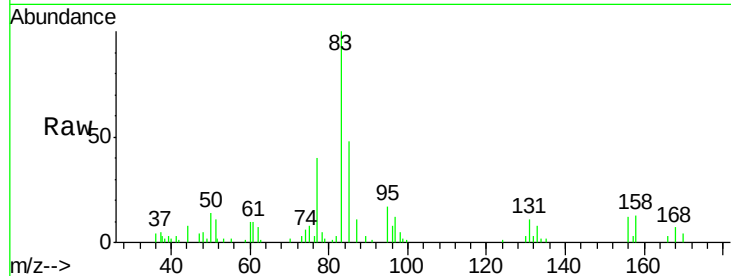
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	8559
Ion	Ratio	Lower	Upper
83	100		
131	8.2	4.9	14.7
85	62.8	32.5	97.4

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#76

1,2,3-Trichloropropane

Concen: 5.264 ug/l m

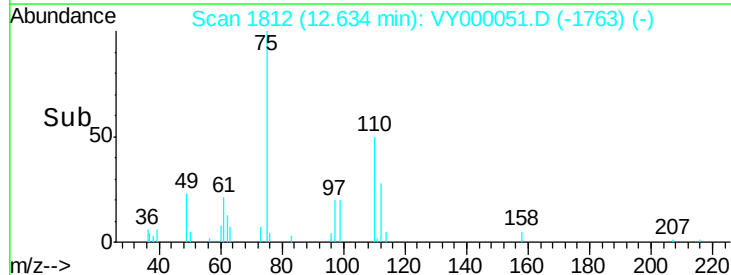
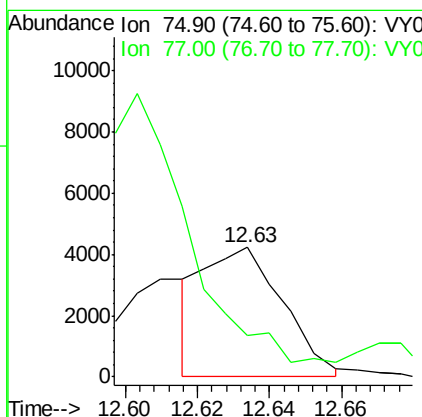
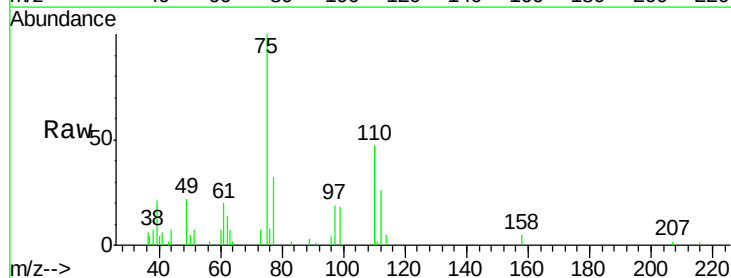
RT: 12.63 min Scan# 1812

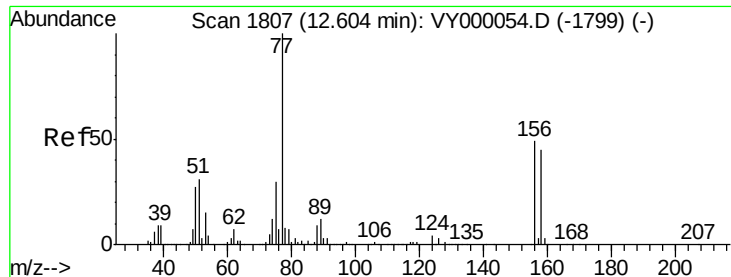
Delta R.T. -0.00 min

Lab File: VY000051.D

Acq: 17 Sep 2019 10:12

Tgt Ion:	75	Resp:	6523
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





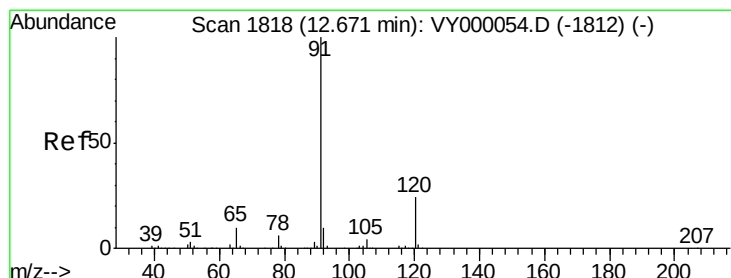
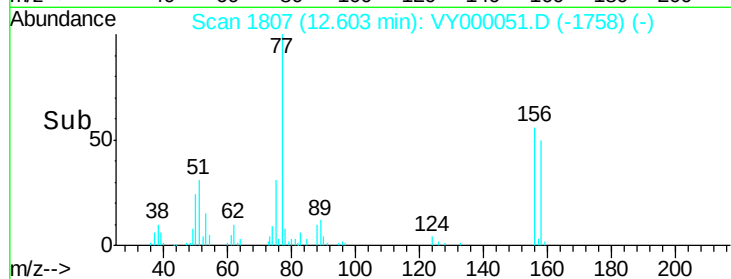
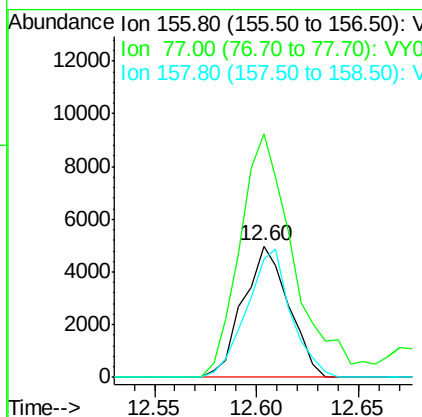
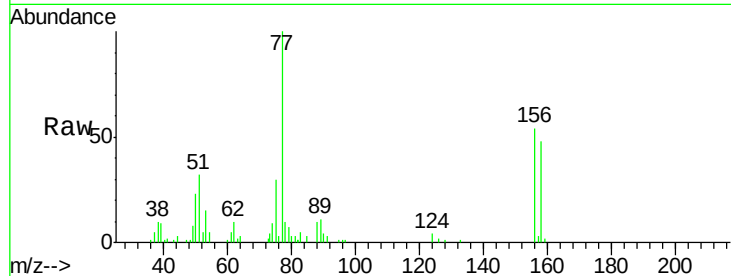
#77
Bromobenzene
Concen: 5.279 ug/l
RT: 12.60 min Scan# 1807
Delta R.T. -0.00 min
Lab File: VY000051.D
Acq: 17 Sep 2019 10:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
156	100		
77	223.4	109.7	329.0
158	95.0	48.0	144.2

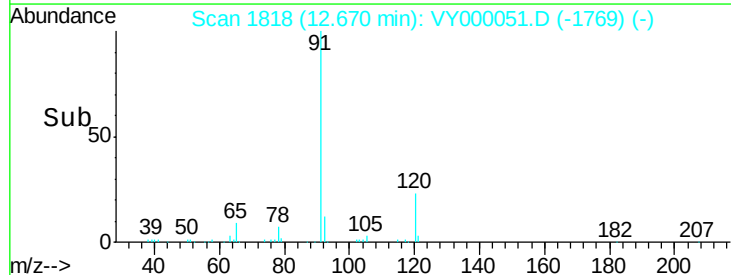
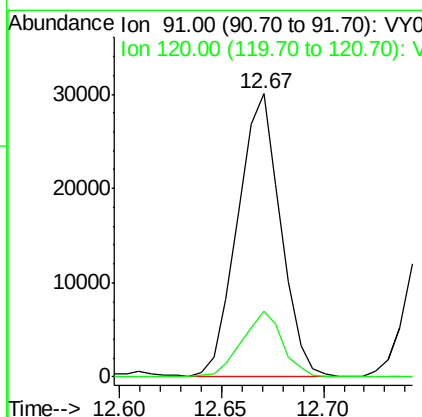
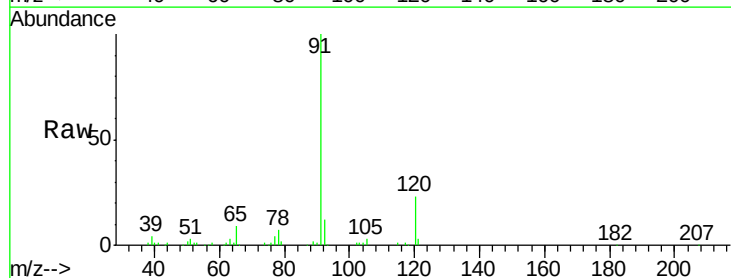
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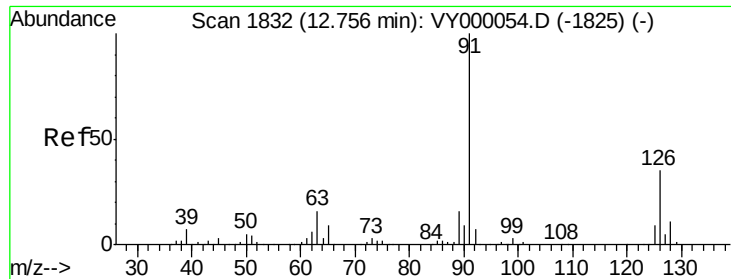
MMDadoda
9/19/2019 1:29:45 AM



#78
n-propylbenzene
Concen: 5.166 ug/l
RT: 12.67 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VY000051.D
Acq: 17 Sep 2019 10:12

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.9	11.5	34.5





#79

2-Chlorotoluene

Concen: 5.398 ug/l

RT: 12.75 min Scan# 1831

Delta R.T. -0.01 min

Lab File: VY000051.D

Acq: 17 Sep 2019 10:12

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 25645

Ion Ratio Lower Upper

91 100

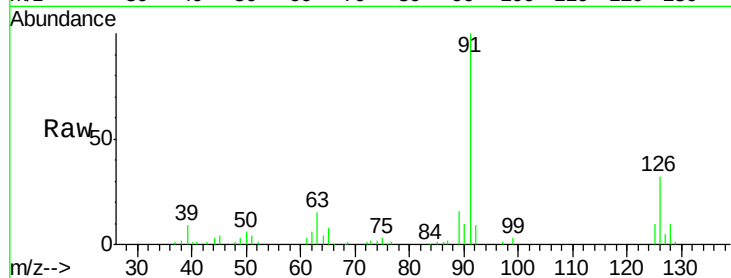
126 31.4 17.2 51.5

Manual Integrations

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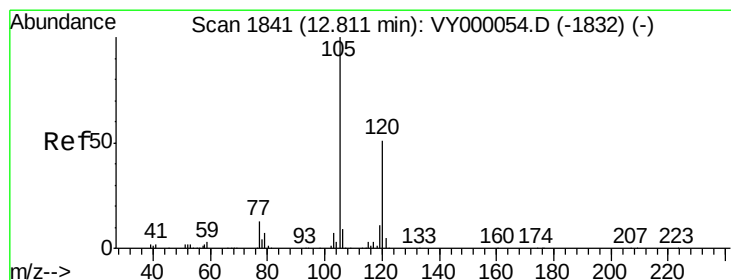
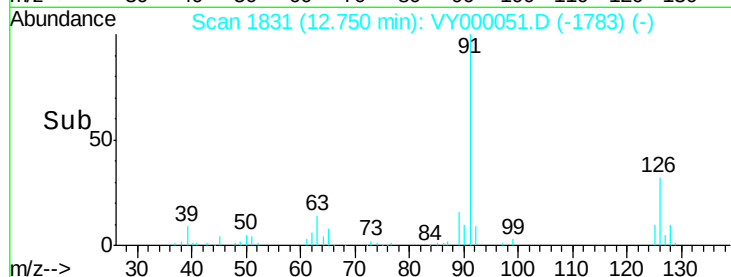
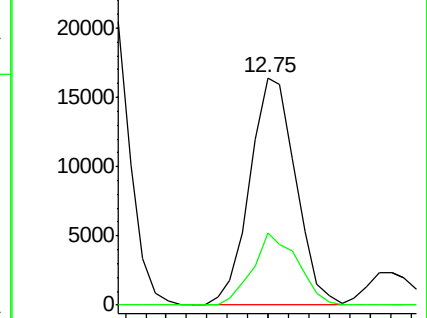
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Abundance Ion 91.00 (90.70 to 91.70): VY000054.D (-1825) (-)

Ion 125.90 (125.60 to 126.60): VY000054.D (-1825) (-)



#80

1,3,5-Trimethylbenzene

Concen: 5.282 ug/l

RT: 12.81 min Scan# 1841

Delta R.T. -0.00 min

Lab File: VY000051.D

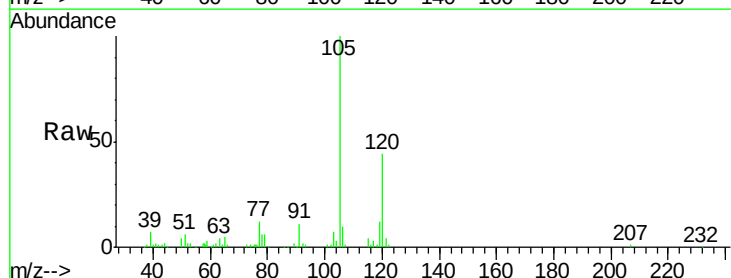
Acq: 17 Sep 2019 10:12

Tgt Ion: 105 Resp: 30566

Ion Ratio Lower Upper

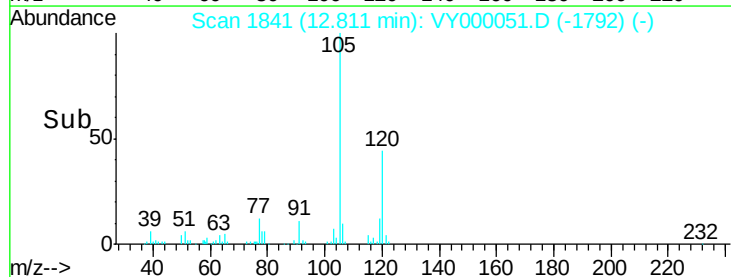
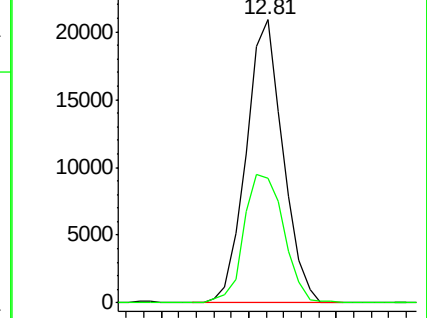
105 100

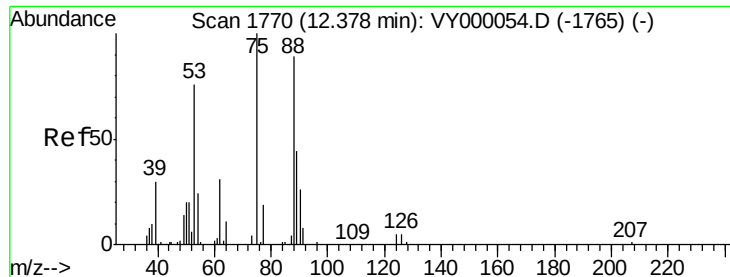
120 49.6 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): VY000054.D (-1832) (-)

Ion 120.00 (119.70 to 120.70): VY000054.D (-1832) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 5.580 ug/l

RT: 12.37 min Scan# 1769

Delta R.T. -0.01 min

Lab File: VY000051.D

Acq: 17 Sep 2019 10:12

Instrument :

MSVOA_Y

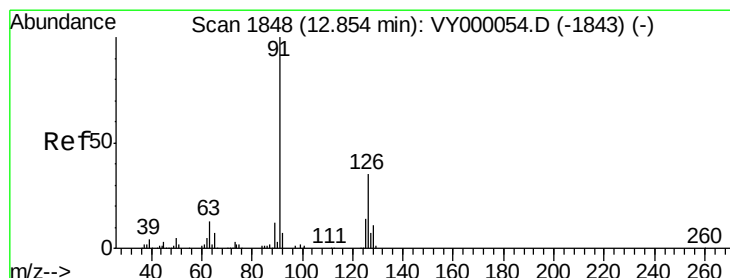
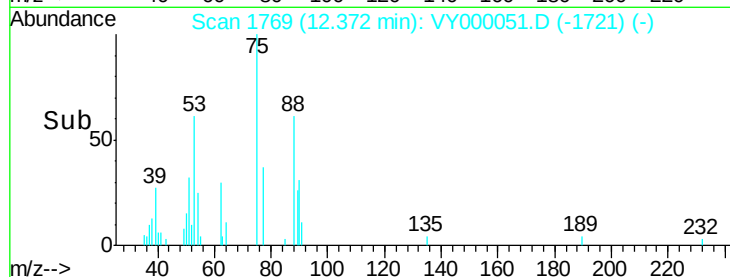
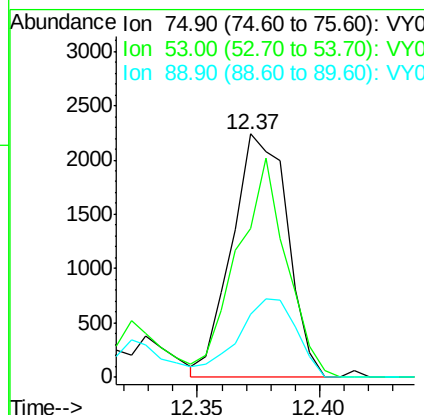
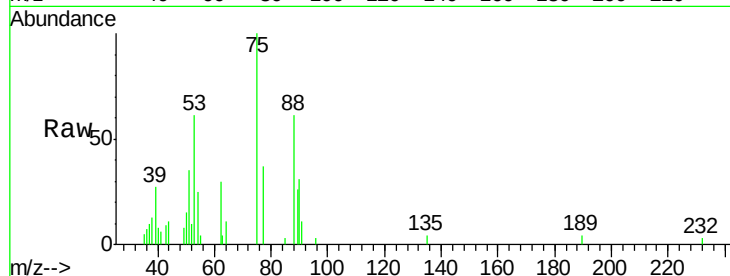
ClientSampleId :

VSTDIC005

Tot Ion:	75	Resp:	3539
Ion	Ratio	Lower	Upper
75	100		
53	80.4	60.9	91.3
89	34.2	35.3	52.9#

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#82

4-Chlorotoluene

Concen: 5.241 ug/l

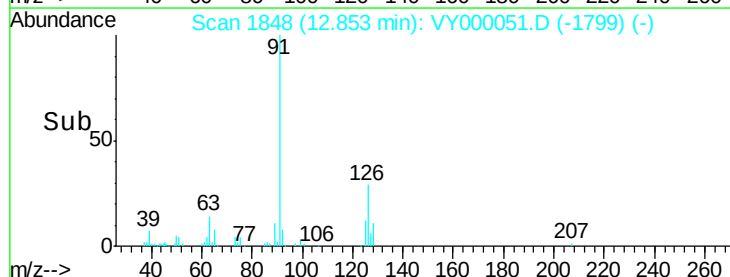
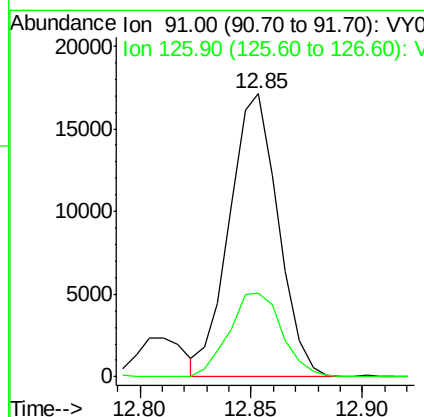
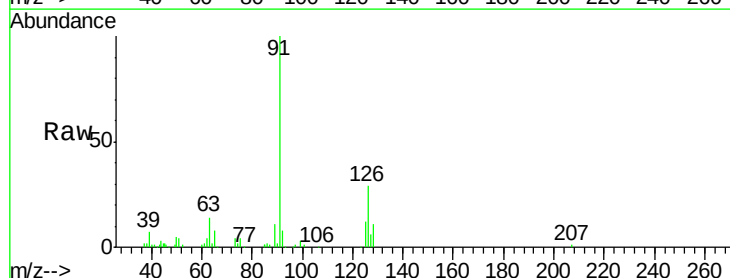
RT: 12.85 min Scan# 1848

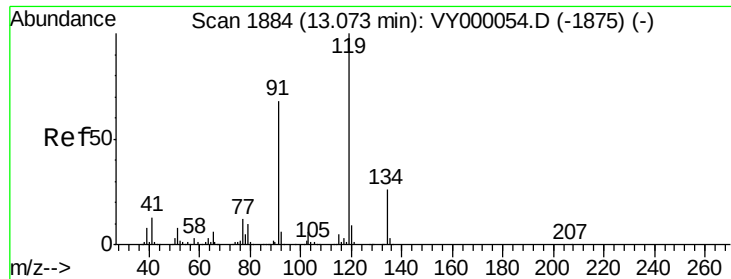
Delta R.T. -0.00 min

Lab File: VY000051.D

Acq: 17 Sep 2019 10:12

Tgt Ion:	91	Resp:	26073
Ion	Ratio	Lower	Upper
91	100		
126	32.1	16.7	50.1





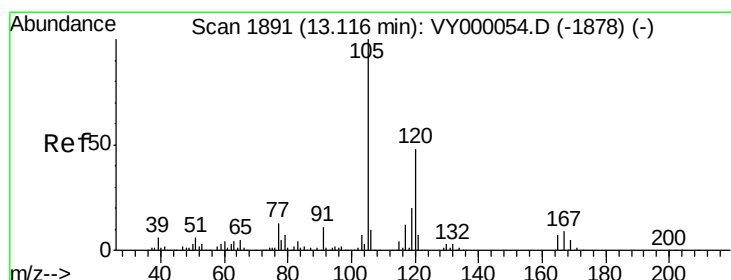
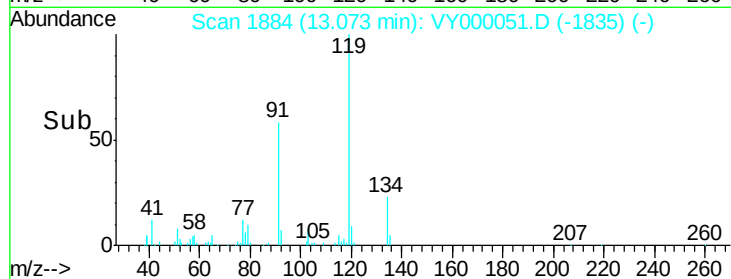
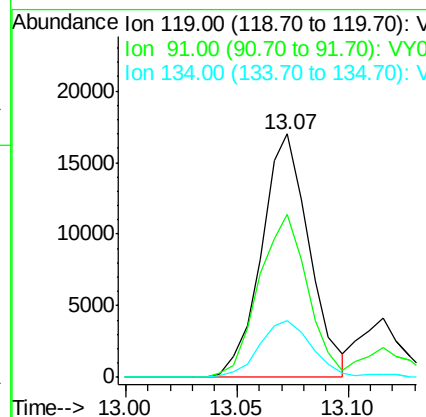
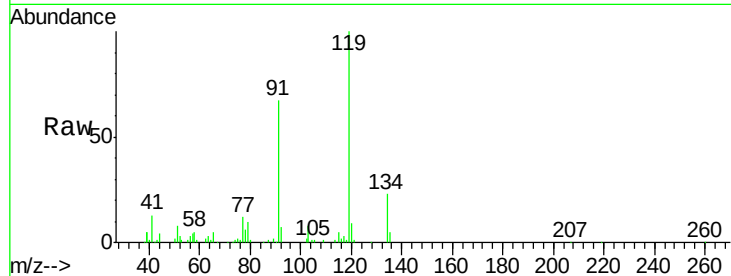
#83
 tert-Butylbenzene
 Concen: 5.098 ug/l
 RT: 13.07 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VY000051.D
 Acq: 17 Sep 2019 10:12

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.4	33.4	100.1
134	26.3	12.7	38.0

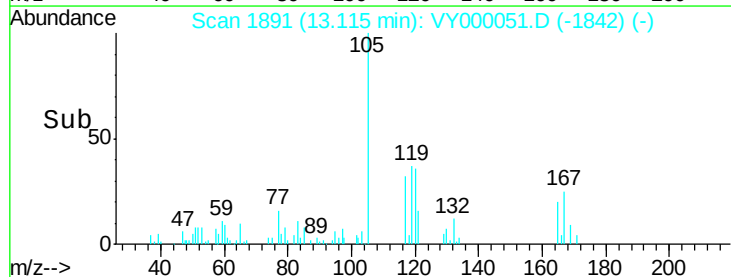
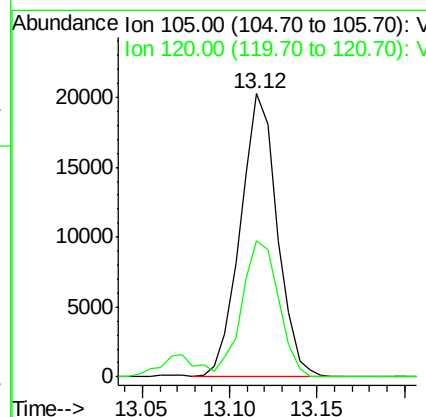
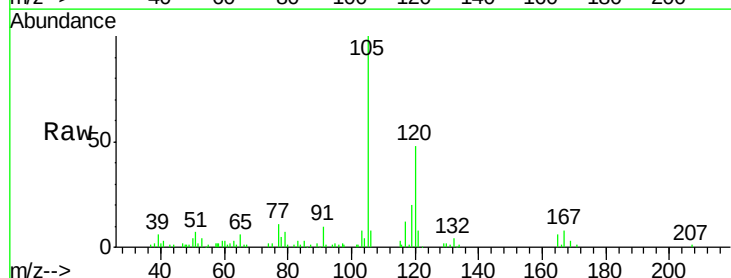
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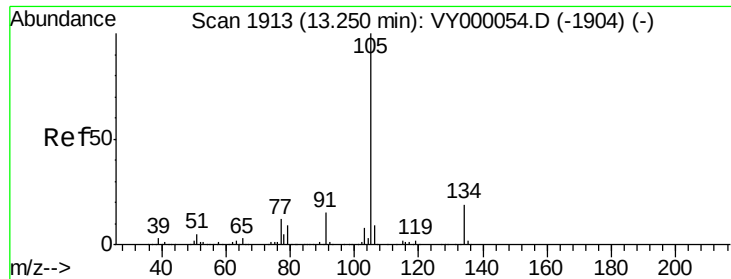
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#84
 1,2,4-Trimethylbenzene
 Concen: 5.174 ug/l
 RT: 13.12 min Scan# 1891
 Delta R.T. -0.00 min
 Lab File: VY000051.D
 Acq: 17 Sep 2019 10:12

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.9	22.9	68.7





#85

sec-Butylbenzene

Concen: 5.059 ug/l

RT: 13.25 min Scan# 1913

Delta R.T. -0.00 min

Lab File: VY000051.D

Acq: 17 Sep 2019 10:12

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 37158

Ion Ratio Lower Upper

105 100

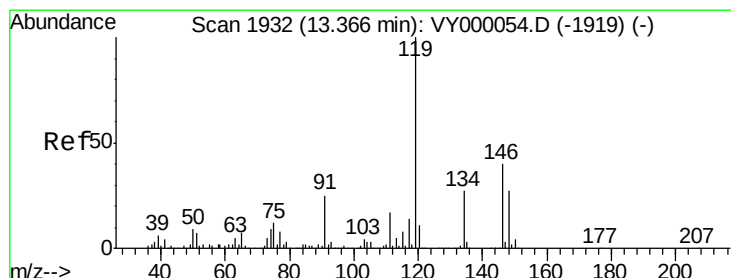
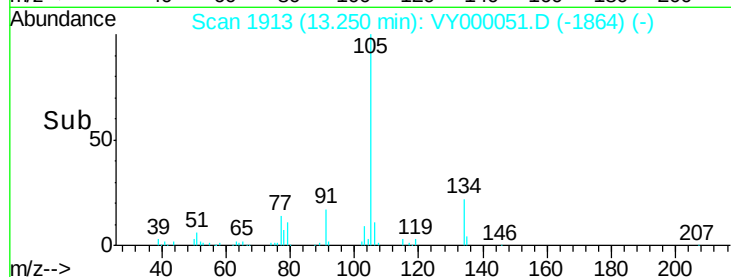
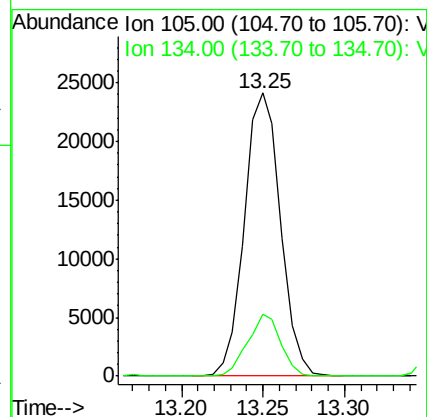
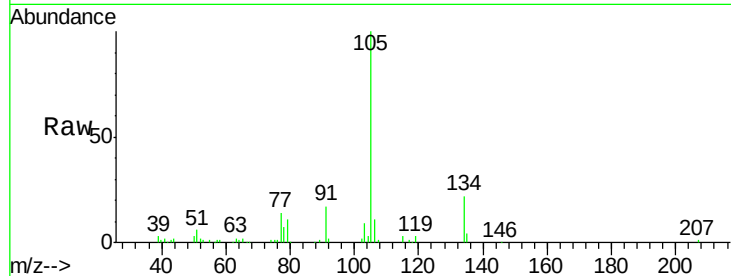
134 20.1 9.8 29.4

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#86

p-Isopropyltoluene

Concen: 5.170 ug/l

RT: 13.37 min Scan# 1932

Delta R.T. -0.00 min

Lab File: VY000051.D

Acq: 17 Sep 2019 10:12

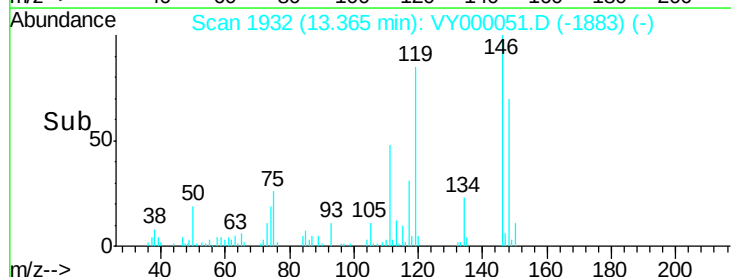
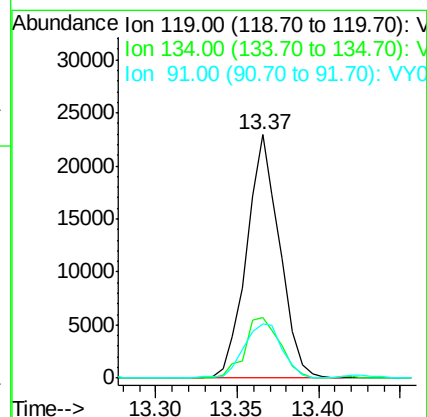
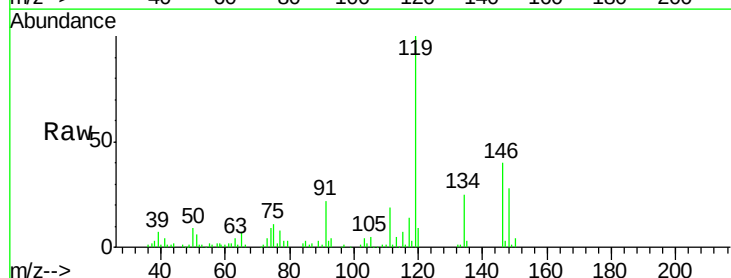
Tgt Ion:119 Resp: 32303

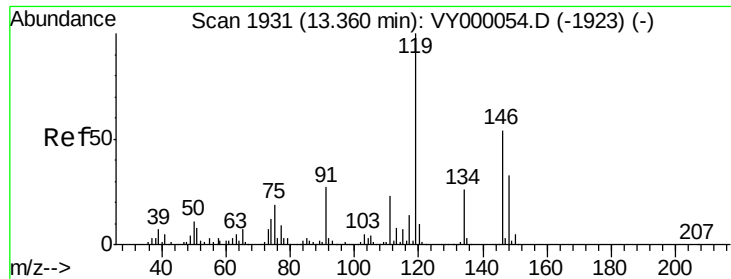
Ion Ratio Lower Upper

119 100

134 26.6 13.4 40.2

91 25.9 12.4 37.4





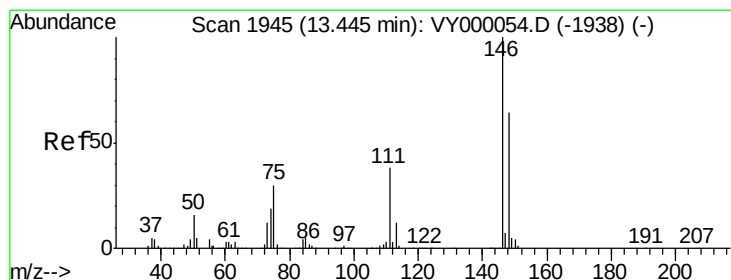
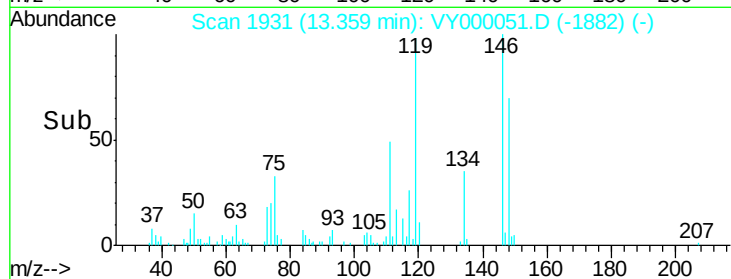
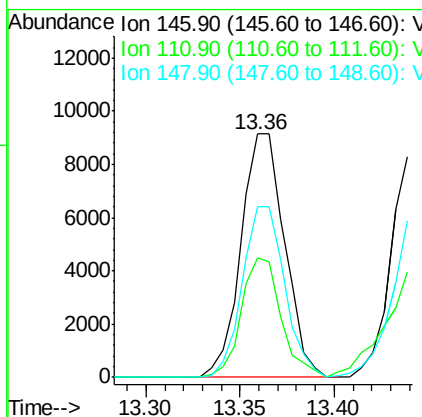
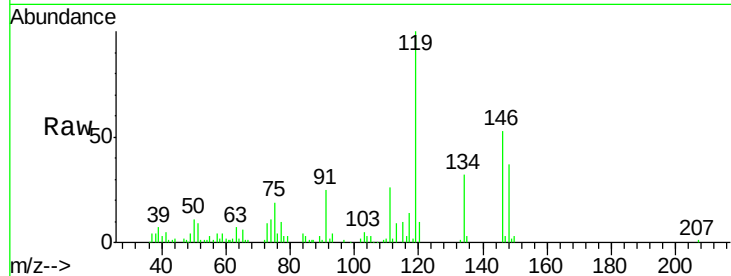
#87
 1,3-Dichlorobenzene
 Concen: 4.974 ug/l
 RT: 13.36 min Scan# 1931
 Delta R.T. -0.00 min
 Lab File: VY000051.D
 Acq: 17 Sep 2019 10:12

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.8	21.1	63.1
148	68.1	31.8	95.3

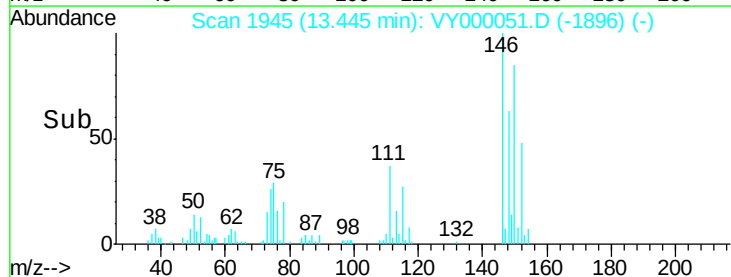
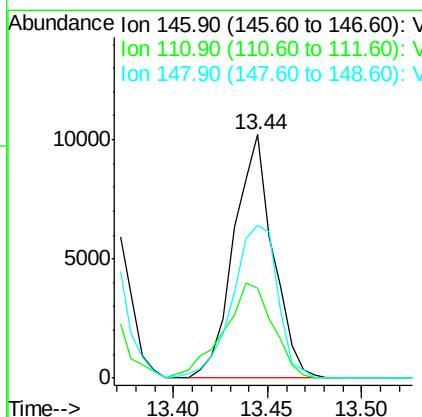
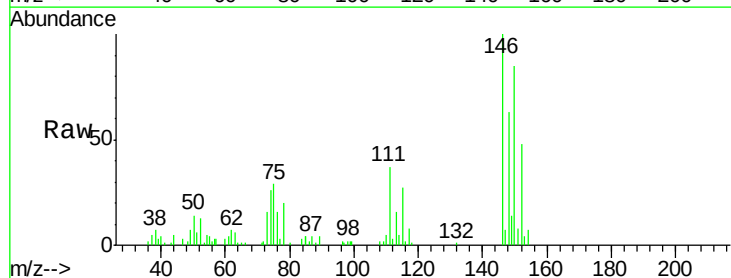
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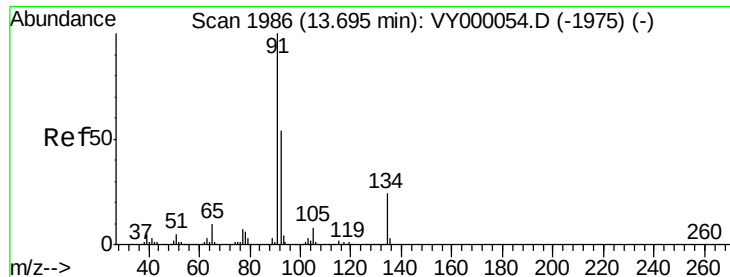
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 9/19/2019 1:29:45 AM



#88
 1,4-Dichlorobenzene
 Concen: 4.964 ug/l
 RT: 13.44 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VY000051.D
 Acq: 17 Sep 2019 10:12

Tgt Ion	Ratio	Lower	Upper
146	100		
111	49.3	20.8	62.4
148	72.6	31.5	94.5





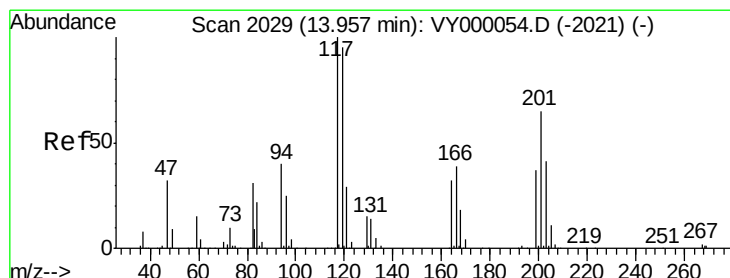
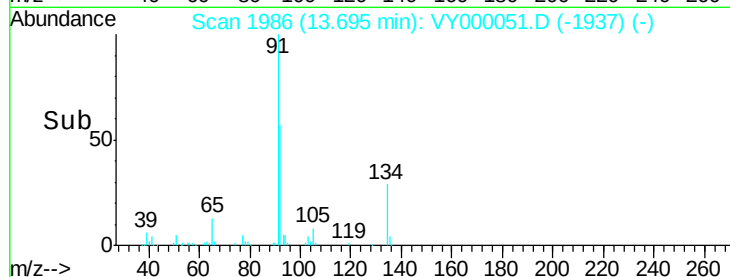
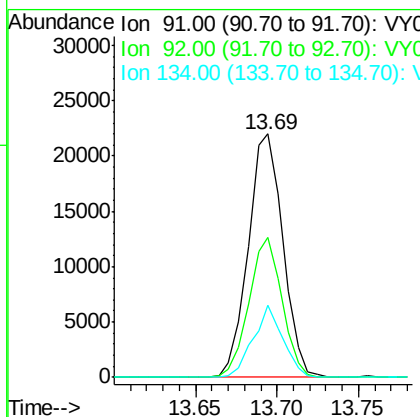
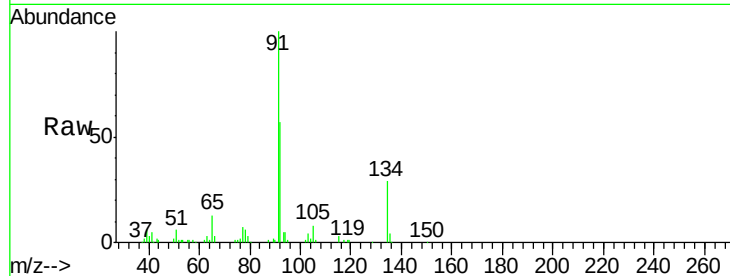
#89
n-Butylbenzene
Concen: 5.142 ug/l
RT: 13.69 min Scan# 1986
Delta R.T. -0.00 min
Lab File: VY000051.D
Acq: 17 Sep 2019 10:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.8	27.2	81.5
134	25.3	12.2	36.6

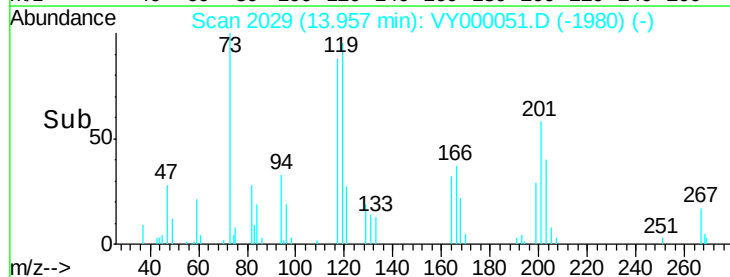
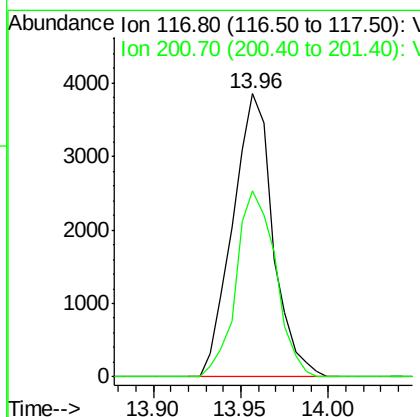
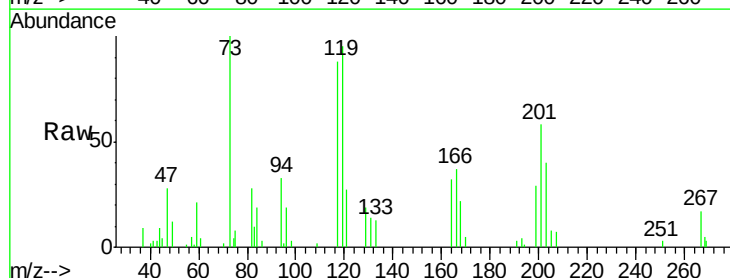
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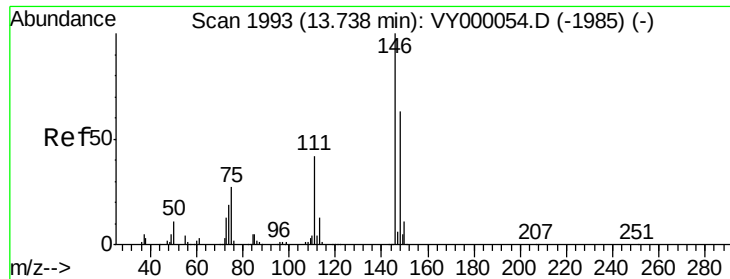
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#90
Hexachloroethane
Concen: 4.968 ug/l
RT: 13.96 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VY000051.D
Acq: 17 Sep 2019 10:12

Tgt Ion	Ratio	Lower	Upper
117	100		
201	64.1	30.6	92.0





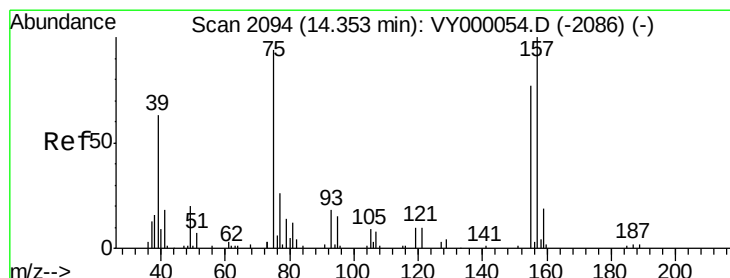
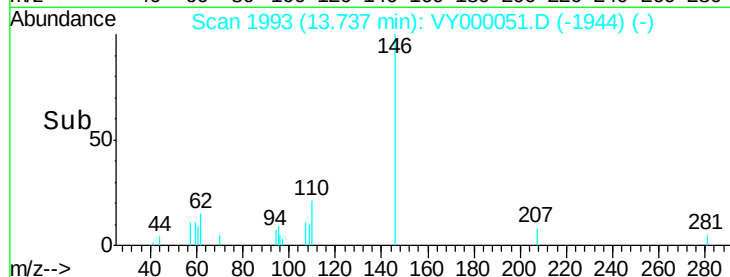
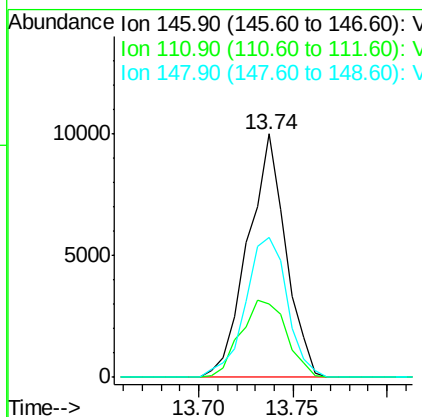
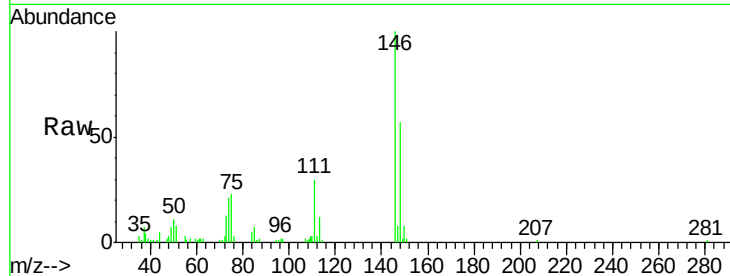
#91
 1,2-Dichlorobenzene
 Concen: 5.087 ug/l
 RT: 13.74 min Scan# 1993
 Delta R.T. -0.00 min
 Lab File: VY000051.D
 Acq: 17 Sep 2019 10:12

Instrument :
 MSVOA_Y
 ClientSampled :
 VSTDIC005

Tot Ion:	146	Resp:	13931
Ion Ratio	Lower	Upper	
146	100		
111	38.4	21.9	65.7
148	63.5	32.4	97.2

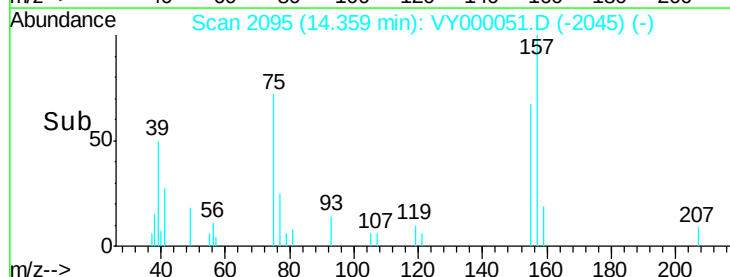
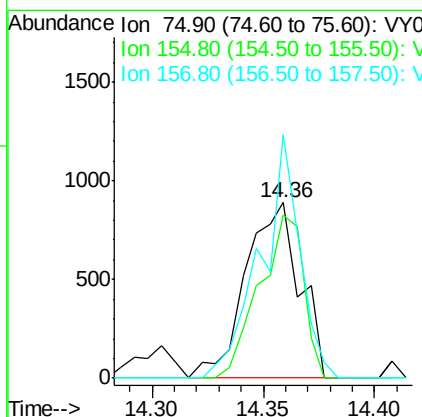
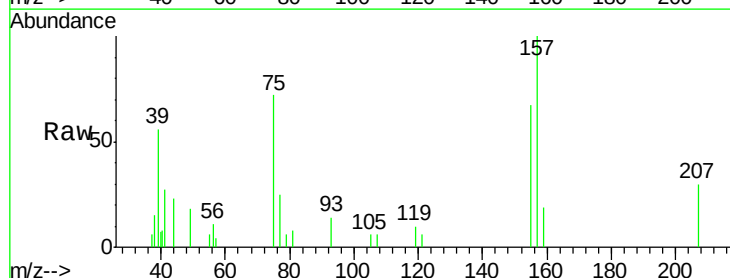
Manual Integrations
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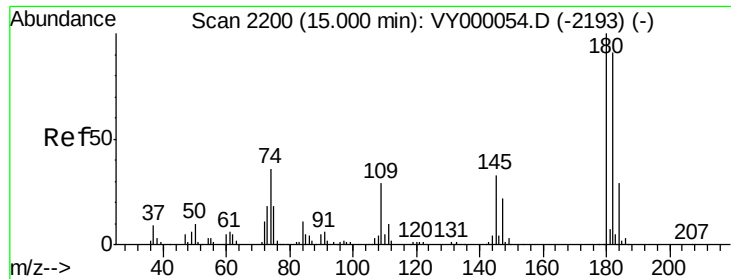
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.675 ug/l
 RT: 14.36 min Scan# 2095
 Delta R.T. 0.01 min
 Lab File: VY000051.D
 Acq: 17 Sep 2019 10:12

Tgt Ion:	75	Resp:	1500
Ion Ratio	Lower	Upper	
75	100		
155	75.7	40.6	121.7
157	100.3	52.9	158.8





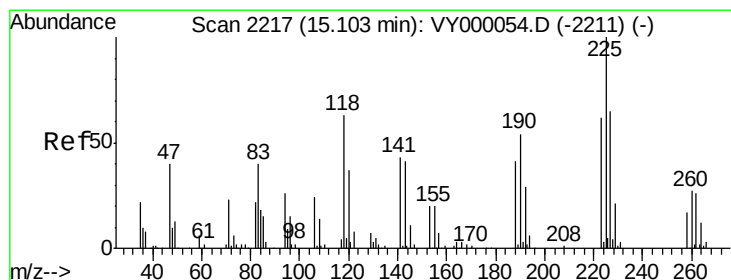
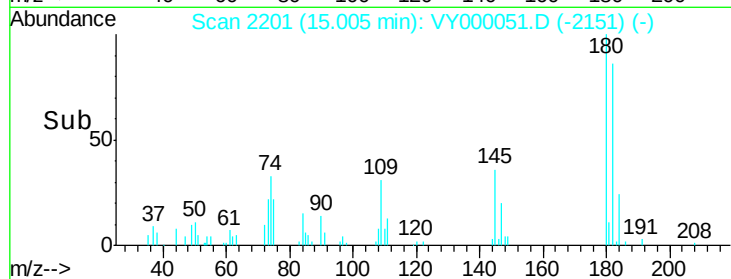
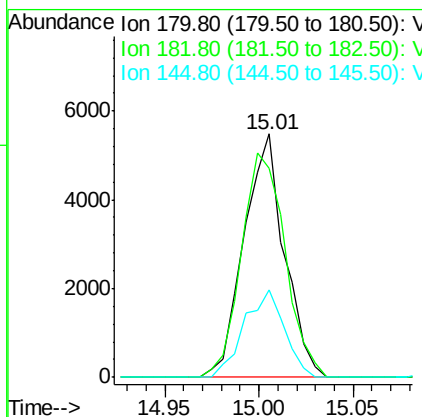
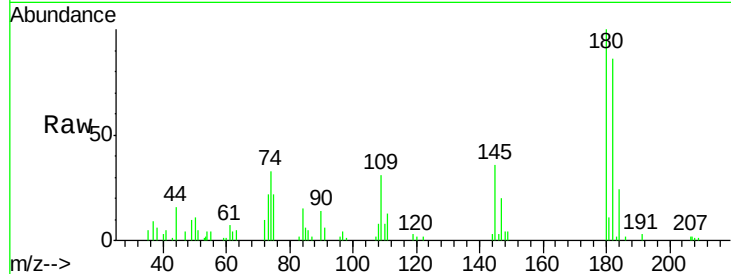
#93
 1,2,4-Trichlorobenzene
 Concen: 4.657 ug/l
 RT: 15.01 min Scan# 2201
 Delta R.T. 0.01 min
 Lab File: VY000051.D
 Acq: 17 Sep 2019 10:12

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
180	100	8143		
182	99.9	48.5	145.6	
145	35.5	17.2	51.6	

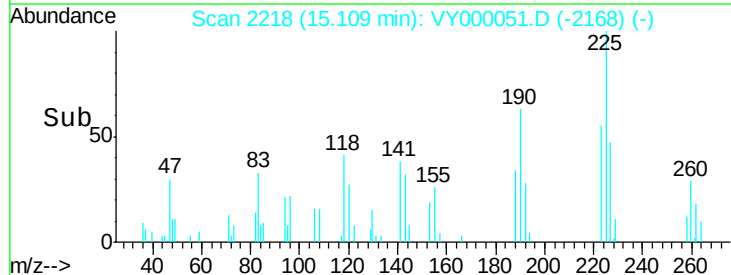
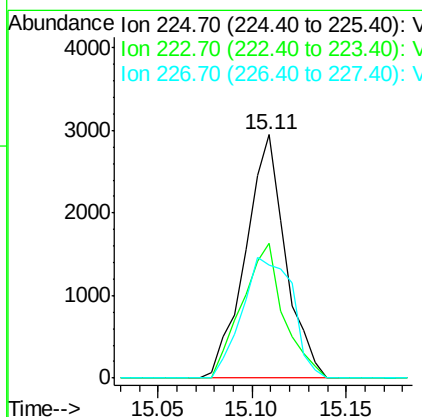
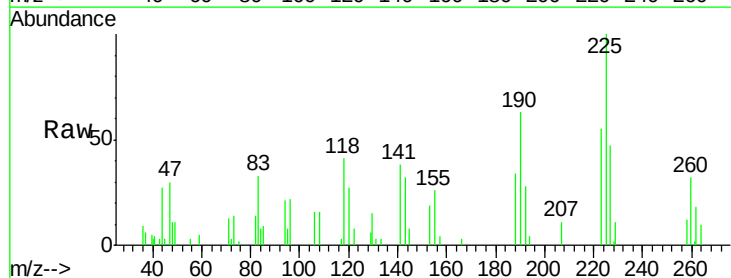
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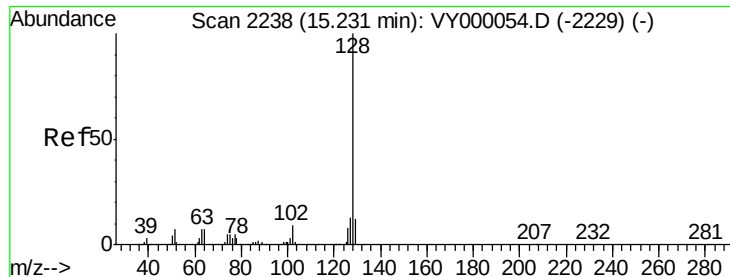
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#94
 Hexachlorobutadiene
 Concen: 5.398 ug/l
 RT: 15.11 min Scan# 2218
 Delta R.T. 0.01 min
 Lab File: VY000051.D
 Acq: 17 Sep 2019 10:12

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	4333		
223	57.9	31.9	95.5	
227	62.6	30.6	91.6	





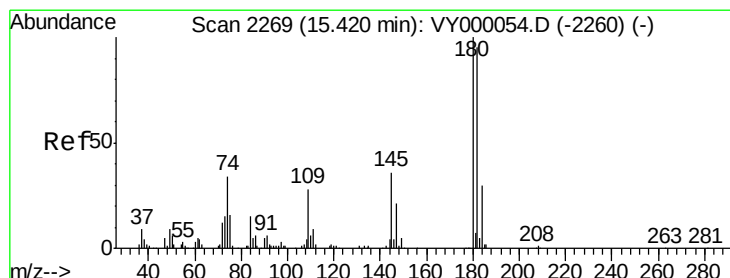
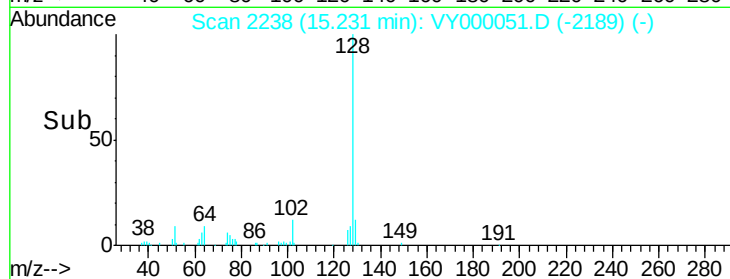
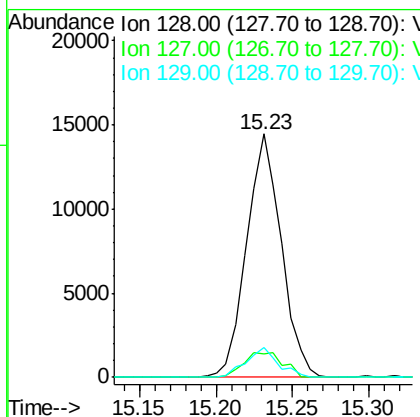
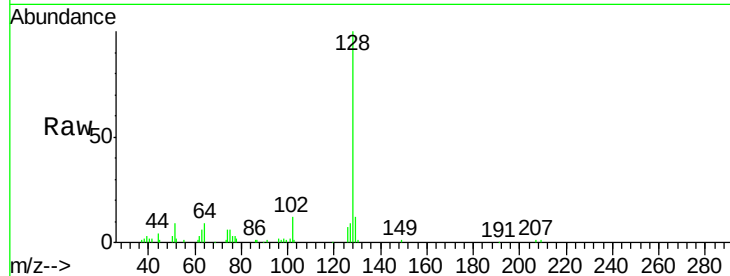
#95
Naphthalene
Concen: 4.783 ug/l
RT: 15.23 min Scan# 2238
Delta R.T. -0.00 min
Lab File: VY000051.D
Acq: 17 Sep 2019 10:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion:	128	Resp:	22811
Ion Ratio	Lower	Upper	
128	100		
127	11.7	10.3	15.5
129	11.5	9.2	13.8

Manual Integrations
APPROVED

MMDadoda
9/19/2019 1:29:45 AM



#96
1,2,3-Trichlorobenzene
Concen: 5.061 ug/l
RT: 15.42 min Scan# 2269
Delta R.T. -0.00 min
Lab File: VY000051.D
Acq: 17 Sep 2019 10:12

Tgt Ion:	180	Resp:	7941
Ion Ratio	Lower	Upper	
180	100		
182	92.3	47.5	142.5
145	34.1	17.4	52.2

