

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY091219\
 Data File : VY000031.D
 Acq On : 12 Sep 2019 18:11
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.00ml/MSVOA Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/13/2019 11:54:02 PM

Quant Time: Sep 19 11:59:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y091219S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 11:53:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.79	168	131362	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	251363	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	220969	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	96092	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	70003	49.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.94%	
35) Dibromofluoromethane	7.72	113	68436	47.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.92%	
50) Toluene-d8	10.18	98	288527	49.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.38%	
62) 4-Bromofluorobenzene	12.48	95	98737	46.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	40956	42.279	ug/l	99
3) Chloromethane	2.11	50	55266	44.860	ug/l	99
4) Vinyl Chloride	2.25	62	65937	44.887	ug/l	98
5) Bromomethane	2.63	94	44659	49.542	ug/l	94
6) Chloroethane	2.78	64	46638	47.690	ug/l	94
7) Trichlorofluoromethane	3.12	101	86159	45.139	ug/l	97
8) Diethyl Ether	3.53	74	38080	48.546	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.90	101	62366	48.013	ug/l	98
10) Methyl Iodide	4.08	142	68430	48.176	ug/l	100
11) Tert butyl alcohol	4.97	59	41222	229.137	ug/l	98
12) 1,1-Dichloroethene	3.87	96	54857	45.315	ug/l	95
13) Acrolein	3.73	56	27869	235.586	ug/l	94
14) Allyl chloride	4.48	41	88691	47.186	ug/l	97
15) Acrylonitrile	5.17	53	118397	237.886	ug/l	98
16) Acetone	3.95	43	87272	222.417	ug/l	99
17) Carbon Disulfide	4.19	76	102600	46.011	ug/l #	94
18) Methyl Acetate	4.49	43	50323	45.580	ug/l	97
19) Methyl tert-butyl Ether	5.22	73	179332	48.909	ug/l	98
20) Methylene Chloride	4.71	84	70943	50.928	ug/l	98
21) trans-1,2-Dichloroethene	5.22	96	60943	45.465	ug/l	95
22) Diisopropyl ether	6.12	45	201763	48.625	ug/l	95
23) Vinyl Acetate	6.06	43	688902	239.999	ug/l	98
24) 1,1-Dichloroethane	6.01	63	116873	47.531	ug/l	97
25) 2-Butanone	6.99	43	147969	232.023	ug/l	98
26) 2,2-Dichloropropane	6.98	77	101087	44.254	ug/l	99
27) cis-1,2-Dichloroethene	6.99	96	78423	46.372	ug/l	96
28) Bromochloromethane	7.33	49	60706	53.758	ug/l	98
29) Tetrahydrofuran	7.35	42	89202	235.133	ug/l	99
30) Chloroform	7.51	83	119938	47.301	ug/l	97
31) Cyclohexane	7.78	56	86414	47.613	ug/l	99
32) 1,1,1-Trichloroethane	7.70	97	97602	46.924	ug/l	99
36) 1,1-Dichloropropene	7.92	75	82371	44.632	ug/l	99
37) Ethyl Acetate	7.08	43	58515	47.018	ug/l	97
38) Carbon Tetrachloride	7.90	117	79106	45.410	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	99737	43.741	ug/l	95
40) Benzene	8.16	78	279892	46.582	ug/l	95
41) Methacrylonitrile	7.32	41	34725	47.958	ug/l #	91
42) 1,2-Dichloroethane	8.24	62	74049	48.224	ug/l	99
43) Isopropyl Acetate	8.28	43	112074	46.472	ug/l	99
44) Trichloroethene	8.94	130	71043	47.354	ug/l	97
45) 1,2-Dichloropropane	9.21	63	73133	47.203	ug/l	97
46) Dibromomethane	9.31	93	39795	46.281	ug/l	98
47) Bromodichloromethane	9.49	83	96987	47.251	ug/l #	98
48) Methyl methacrylate	9.29	41	48163	45.258	ug/l	96
49) 1,4-Dioxane	9.29	88	15306	849.986	ug/l	98
51) 4-Methyl-2-Pentanone	10.07	43	312973	231.601	ug/l	100
52) Toluene	10.24	92	176661	46.790	ug/l	98
53) t-1,3-Dichloropropene	10.46	75	101773	47.158	ug/l	95
54) cis-1,3-Dichloropropene	9.93	75	117081	46.623	ug/l	98
55) 1,1,2-Trichloroethane	10.65	97	62458	45.837	ug/l	92
56) Ethyl methacrylate	10.51	69	93021	48.643	ug/l	97
57) 1,3-Dichloropropane	10.79	76	105569	48.445	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	253291	241.803	ug/l	98
59) 2-Hexanone	10.83	43	225491	231.554	ug/l	98
60) Dibromochloromethane	10.98	129	67298	46.873	ug/l	99
61) 1,2-Dibromoethane	11.09	107	57424	47.714	ug/l	98
64) Tetrachloroethene	10.71	164	59867	44.181	ug/l	96
65) Chlorobenzene	11.51	112	196532	46.676	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	67148	46.026	ug/l	97
67) Ethyl Benzene	11.59	91	343269	44.876	ug/l	95
68) m/p-Xylenes	11.70	106	266830	92.441	ug/l	98
69) o-Xylene	12.02	106	131506	46.485	ug/l	95
70) Styrene	12.04	104	228090	46.348	ug/l	98
71) Bromoform	12.20	173	40347	45.802	ug/l #	98
73) Isopropylbenzene	12.32	105	342829	46.693	ug/l	100
74) N-amyl acetate	12.14	43	102996	47.522	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	82809	47.173	ug/l	98
76) 1,2,3-Trichloropropane	12.63	75	46591m	34.908	ug/l	
77) Bromobenzene	12.60	156	74908	48.230	ug/l	98
78) n-propylbenzene	12.66	91	419504	46.753	ug/l	99
79) 2-Chlorotoluene	12.75	91	233265	46.491	ug/l	99
80) 1,3,5-Trimethylbenzene	12.80	105	286738	46.773	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.38	75	30887	45.903	ug/l	97
82) 4-Chlorotoluene	12.85	91	241705	45.901	ug/l	99
83) tert-Butylbenzene	13.07	119	250688	47.592	ug/l	100
84) 1,2,4-Trimethylbenzene	13.12	105	284728	47.018	ug/l	99
85) sec-Butylbenzene	13.25	105	362696	46.656	ug/l	99
86) p-Isopropyltoluene	13.37	119	306455	46.471	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	148131	47.389	ug/l	98
88) 1,4-Dichlorobenzene	13.44	146	145693	46.317	ug/l	97
89) n-Butylbenzene	13.69	91	312168	46.714	ug/l	98
90) Hexachloroethane	13.95	117	62468	47.402	ug/l	98
91) 1,2-Dichlorobenzene	13.73	146	137941	47.419	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.35	75	14128	46.237	ug/l	95

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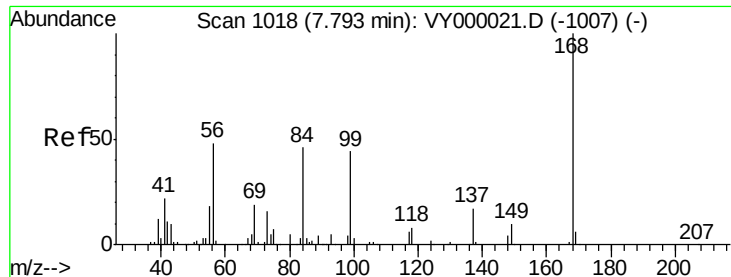
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	87211	46.983	ug/l	100
94) Hexachlorobutadiene	15.10	225	39269	46.124	ug/l	97
95) Naphthalene	15.23	128	234226	46.124	ug/l	99
96) 1,2,3-Trichlorobenzene	15.41	180	77236	46.351	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.79 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VY000031.D

Acq: 12 Sep 2019 18:11

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 131362

Ion Ratio Lower Upper

168 100

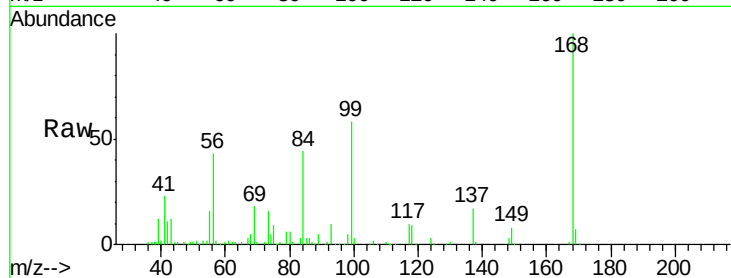
99 58.2 46.3 69.5

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VY000031.D (-969) (-)

Ion 98.90 (98.60 to 99.60): VY000031.D (-969) (-)

7.79

60000

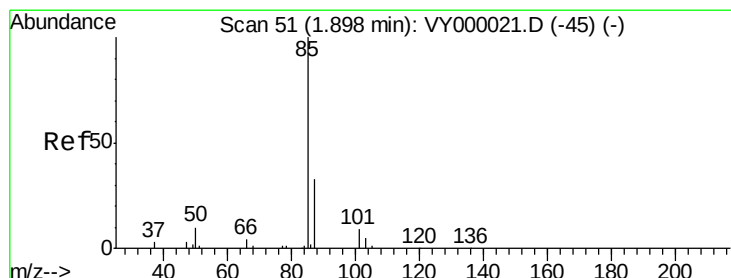
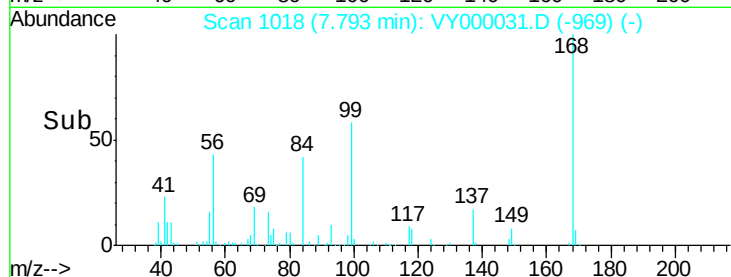
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 42.279 ug/l

RT: 1.90 min Scan# 51

Delta R.T. 0.00 min

Lab File: VY000031.D

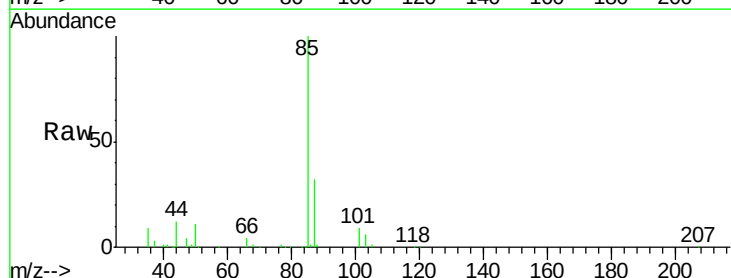
Acq: 12 Sep 2019 18:11

Tgt Ion: 85 Resp: 40956

Ion Ratio Lower Upper

85 100

87 32.4 16.6 49.7



Abundance Ion 84.90 (84.60 to 85.60): VY000031.D (-2) (-)

Ion 86.90 (86.60 to 87.60): VY000031.D (-2) (-)

1.90

30000

25000

20000

15000

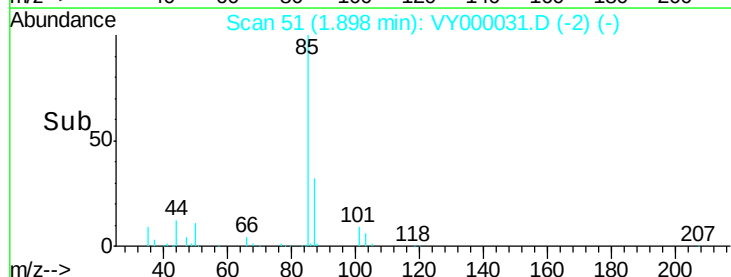
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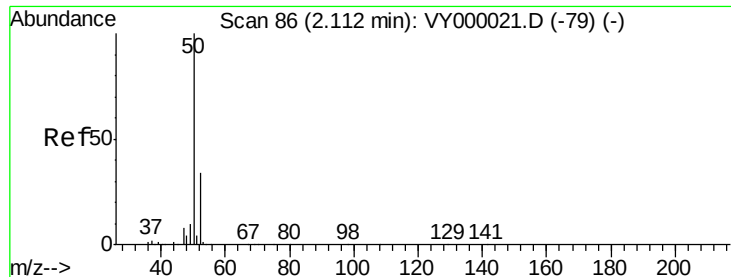
5000

0

1.80 1.85 1.90 1.95 2.00

Time-->





#3

Chloromethane

Concen: 44.860 ug/l

RT: 2.11 min Scan# 86

Delta R.T. 0.00 min

Lab File: VY000031.D

Acq: 12 Sep 2019 18:11

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 55266

Ion Ratio Lower Upper

50 100

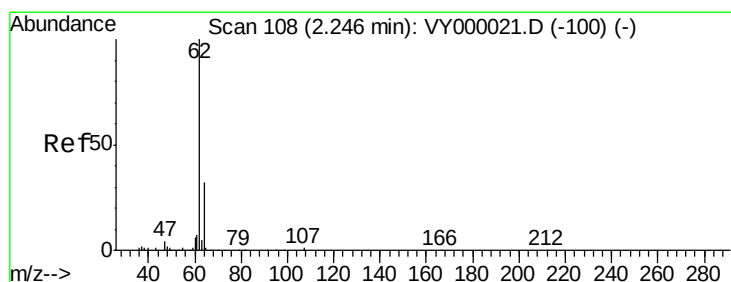
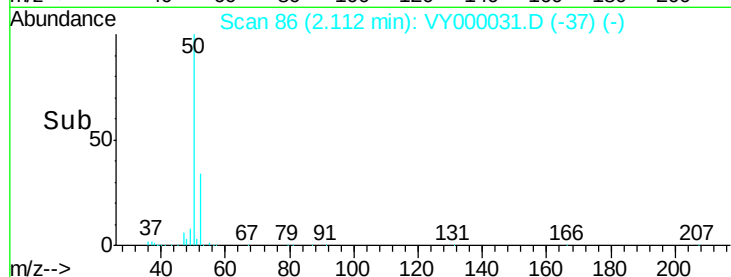
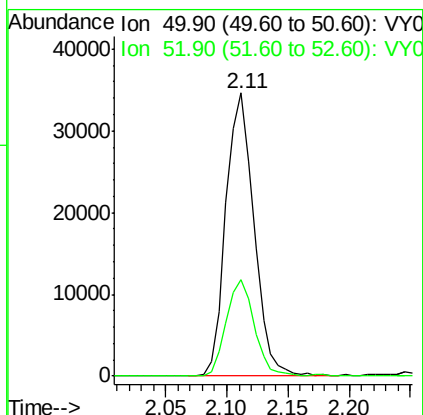
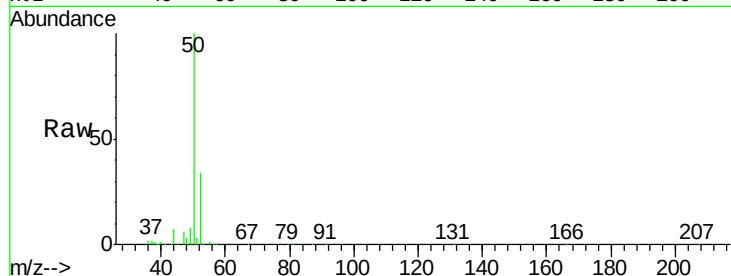
52 34.3 27.0 40.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 44.887 ug/l

RT: 2.25 min Scan# 108

Delta R.T. 0.00 min

Lab File: VY000031.D

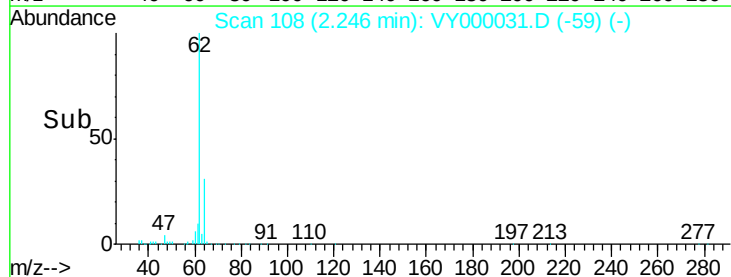
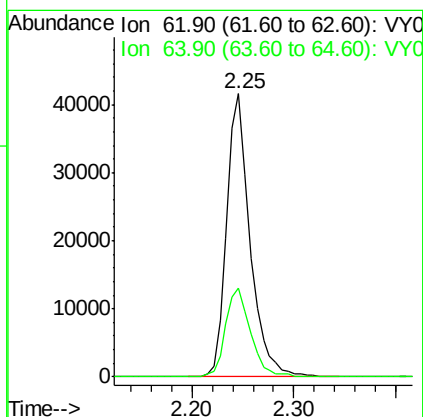
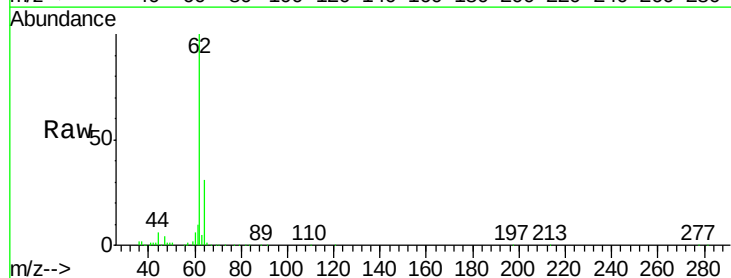
Acq: 12 Sep 2019 18:11

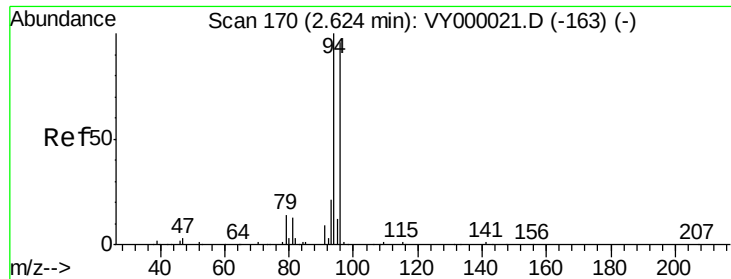
Tgt Ion: 62 Resp: 65937

Ion Ratio Lower Upper

62 100

64 31.5 26.1 39.1





#5

Bromomethane

Concen: 49.542 ug/l

RT: 2.63 min Scan# 171

Delta R.T. 0.01 min

Lab File: VY000031.D

Acq: 12 Sep 2019 18:11

Instrument :

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ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 44659

Ion Ratio Lower Upper

94 100

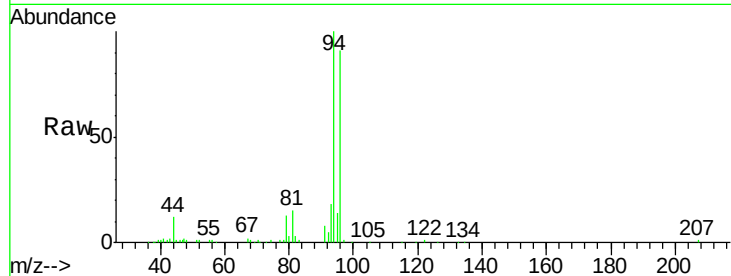
96 90.2 76.8 115.2

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0

25000

20000

15000

10000

5000

0

Time-->

2.50

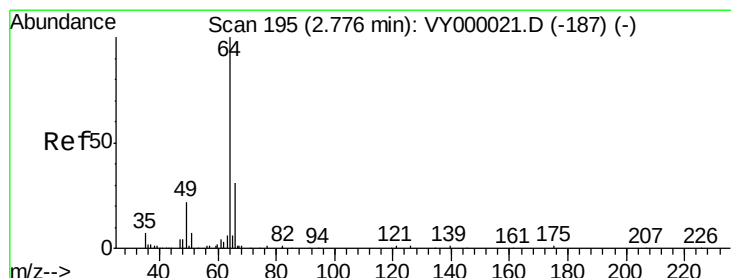
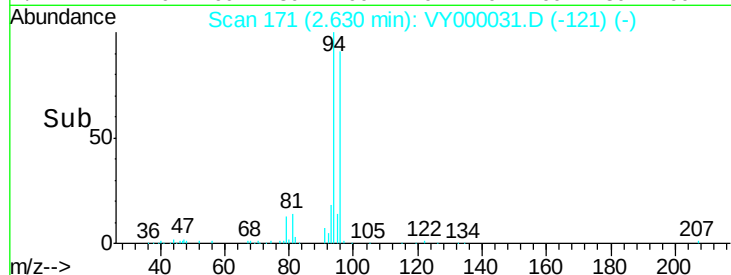
2.60

2.70

2.80

2.90

3.00



#6

Chloroethane

Concen: 47.690 ug/l

RT: 2.78 min Scan# 196

Delta R.T. 0.01 min

Lab File: VY000031.D

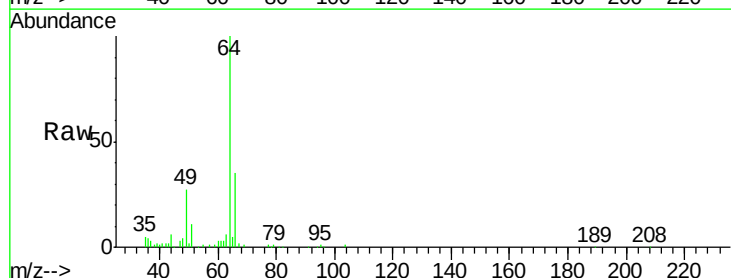
Acq: 12 Sep 2019 18:11

Tgt Ion: 64 Resp: 46638

Ion Ratio Lower Upper

64 100

66 34.6 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0

20000

15000

10000

5000

0

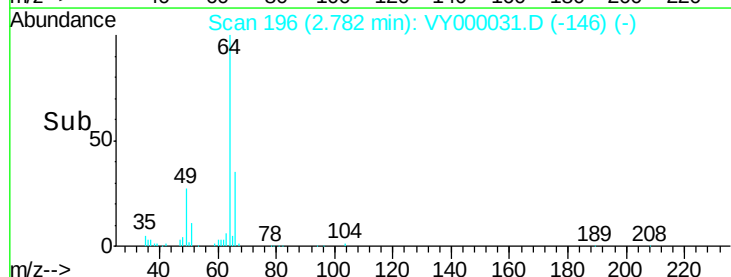
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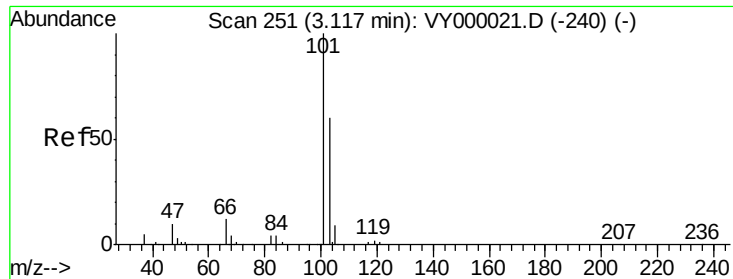
2.70

2.80

2.90

3.00





#7

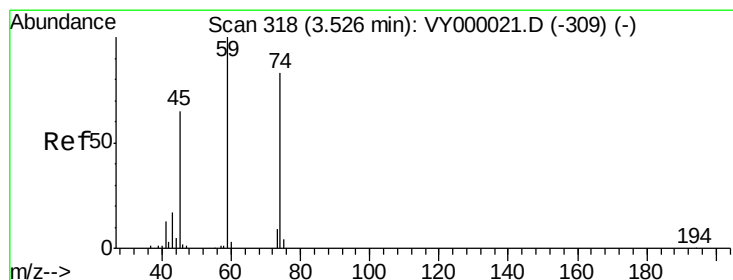
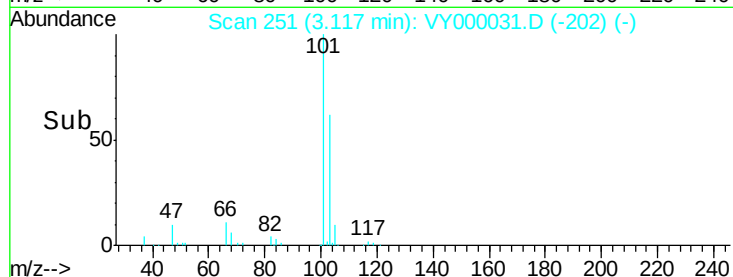
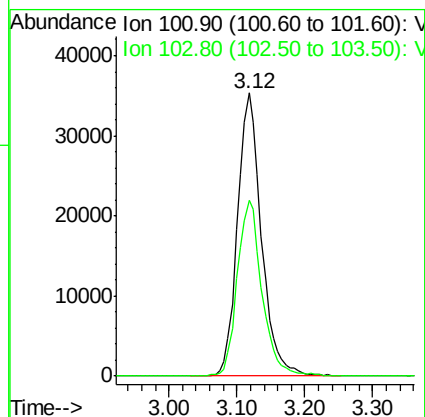
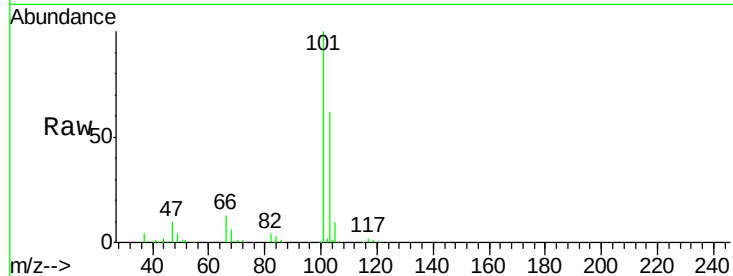
Trichlorofluoromethane
Concen: 45.139 ug/l
RT: 3.12 min Scan# 251
Delta R.T. 0.00 min
Lab File: VY000031.D
Acq: 12 Sep 2019 18:11

Instrument :
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	86159		
103	62.2	48.1	72.1	

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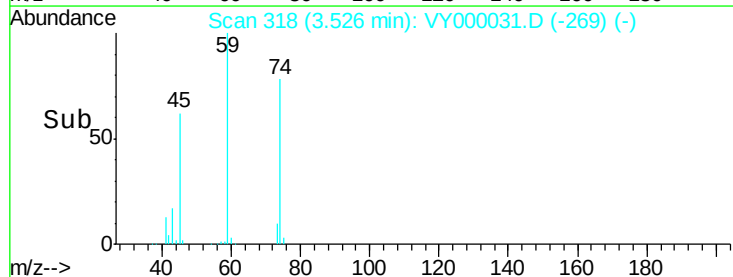
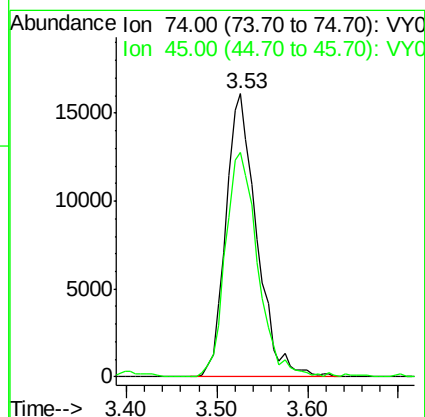
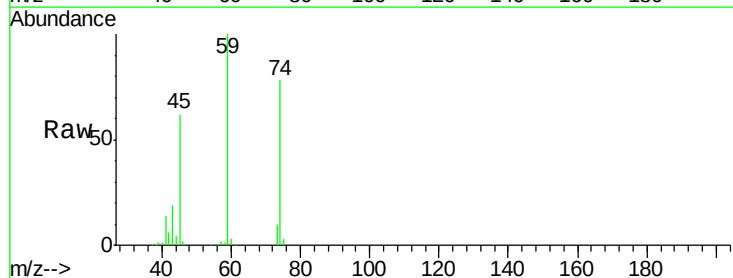
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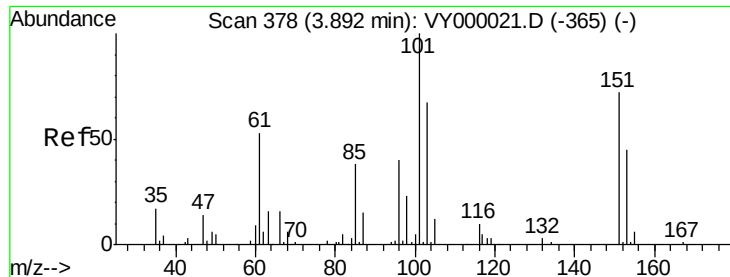


#8

Diethyl Ether
Concen: 48.546 ug/l
RT: 3.53 min Scan# 318
Delta R.T. 0.00 min
Lab File: VY000031.D
Acq: 12 Sep 2019 18:11

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	38080		
45	82.7	41.9	125.6	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.013 ug/l

RT: 3.90 min Scan# 379

Delta R.T. 0.01 min

Lab File: VY000031.D

Acq: 12 Sep 2019 18:11

Instrument :

MSVOA_Y

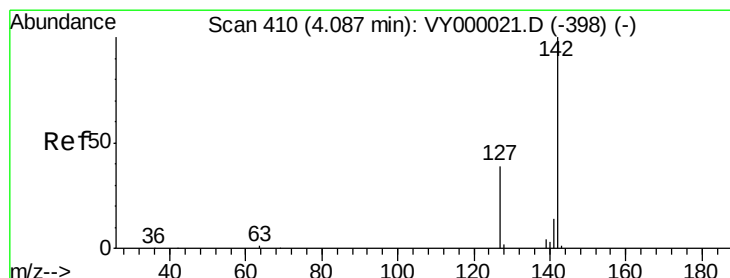
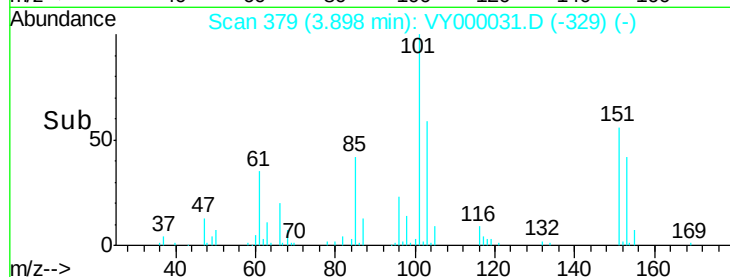
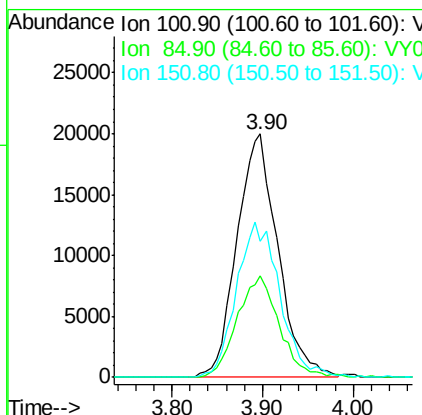
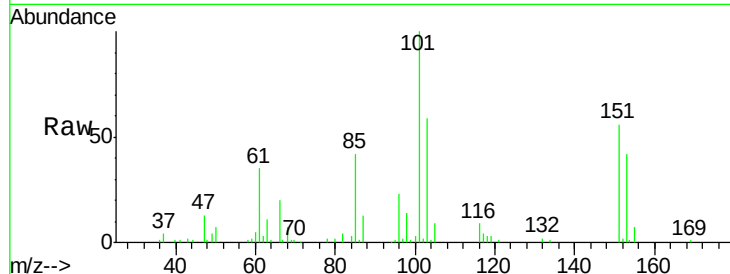
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	62366
Ion Ratio	Lower	Upper	
101	100		
85	42.9	35.3	52.9
151	68.2	55.9	83.9

Manual Integrations
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#10

Methyl Iodide

Concen: 48.176 ug/l

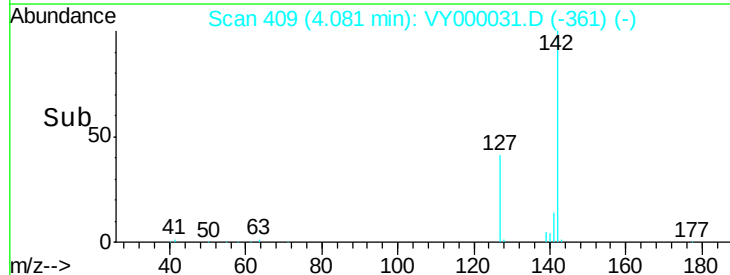
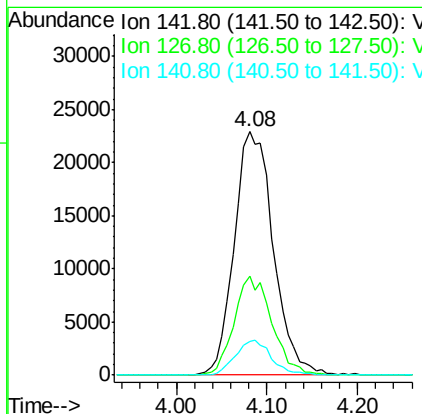
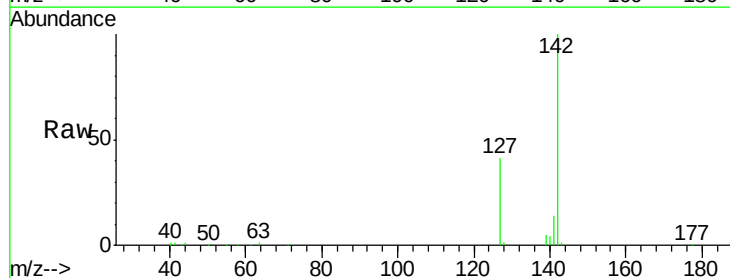
RT: 4.08 min Scan# 409

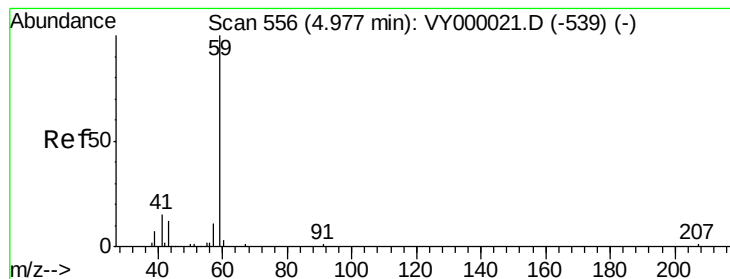
Delta R.T. -0.01 min

Lab File: VY000031.D

Acq: 12 Sep 2019 18:11

Tgt Ion:	142	Resp:	68430
Ion Ratio	Lower	Upper	
142	100		
127	39.0	31.4	47.2
141	13.3	10.6	16.0





#11

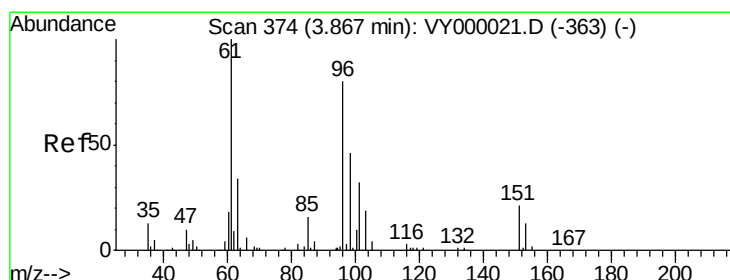
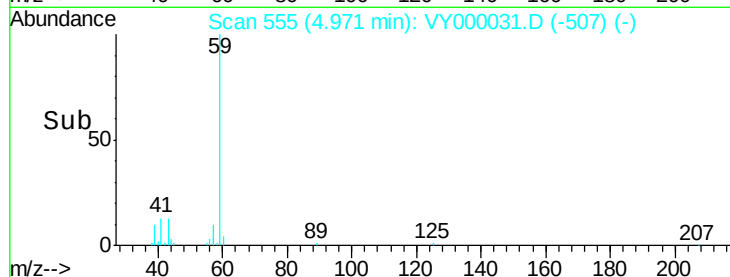
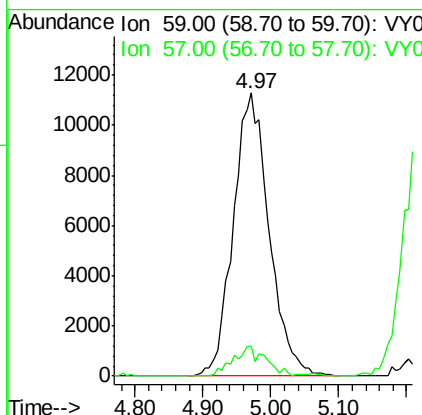
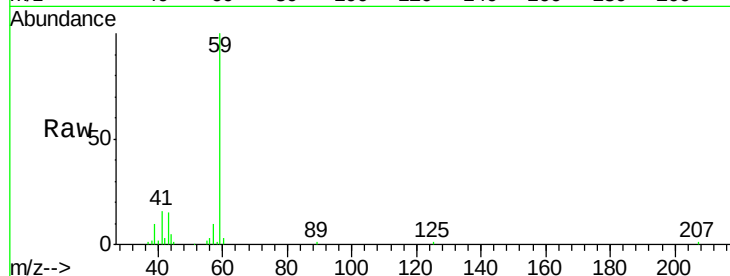
Tert butyl alcohol
 Concen: 229.137 ug/l
 RT: 4.97 min Scan# 555
 Delta R.T. -0.01 min
 Lab File: VY000031.D
 Acq: 12 Sep 2019 18:11

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	59	Resp	41222
Ion Ratio	100	Lower	Upper
59	100		
57	9.5	8.3	12.5

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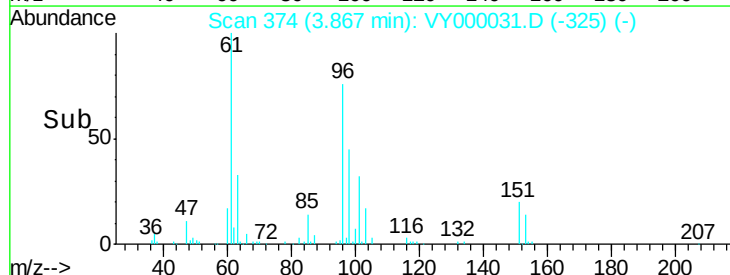
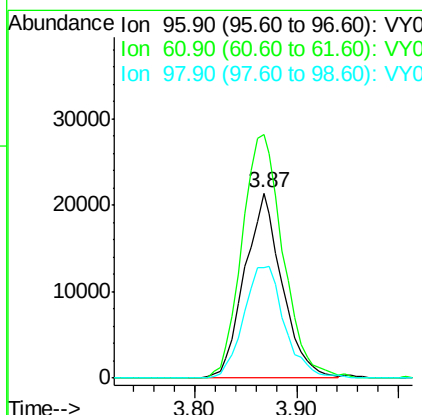
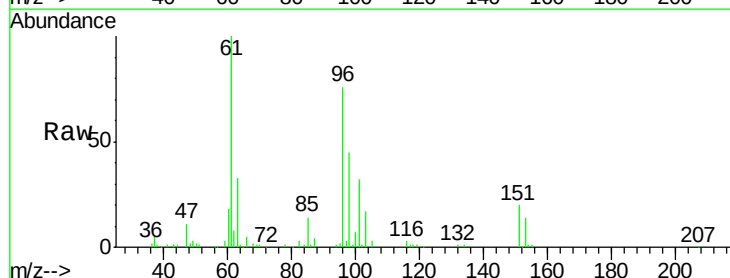
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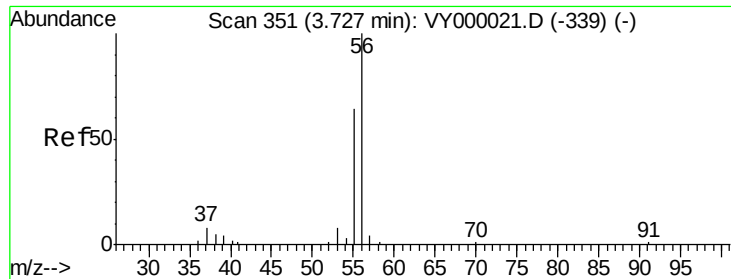


#12

1,1-Dichloroethene
 Concen: 45.315 ug/l
 RT: 3.87 min Scan# 374
 Delta R.T. 0.00 min
 Lab File: VY000031.D
 Acq: 12 Sep 2019 18:11

Tgt Ion	96	Resp	54857
Ion Ratio	100	Lower	Upper
96	100		
61	131.5	99.8	149.6
98	59.7	46.3	69.5





#13

Acrolein

Concen: 235.586 ug/l

RT: 3.73 min Scan# 352

Delta R.T. 0.01 min

Lab File: VY000031.D

Acq: 12 Sep 2019 18:11

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 27869

Ion Ratio Lower Upper

56 100

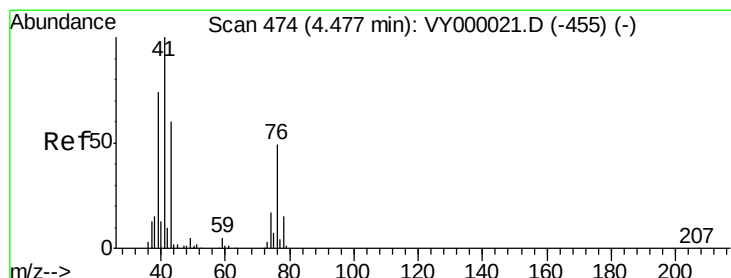
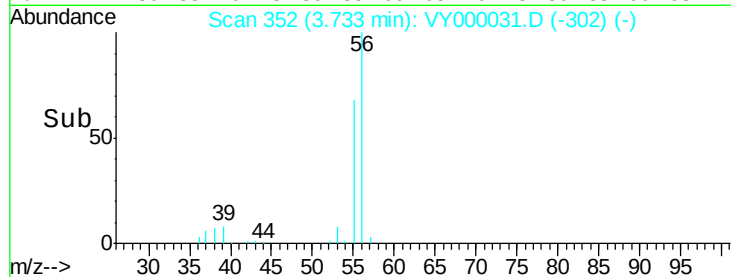
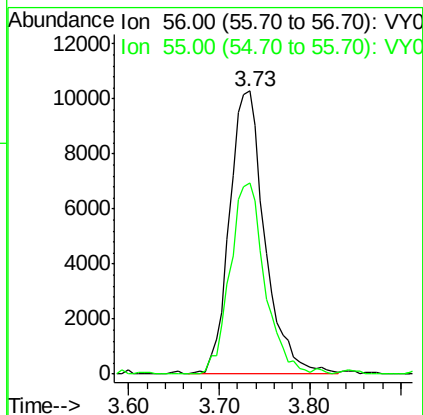
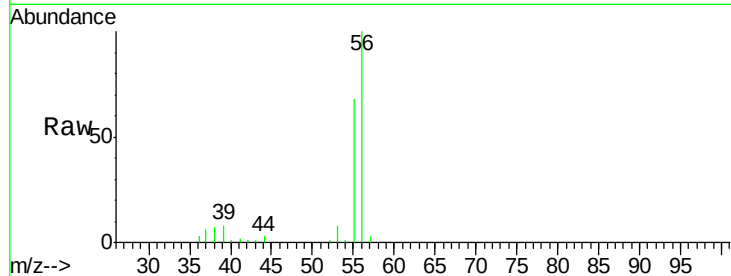
55 66.1 56.7 85.1

Manual Integrations

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#14

Allyl chloride

Concen: 47.186 ug/l

RT: 4.48 min Scan# 474

Delta R.T. -0.00 min

Lab File: VY000031.D

Acq: 12 Sep 2019 18:11

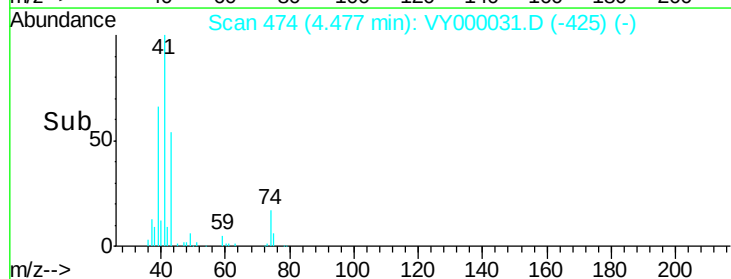
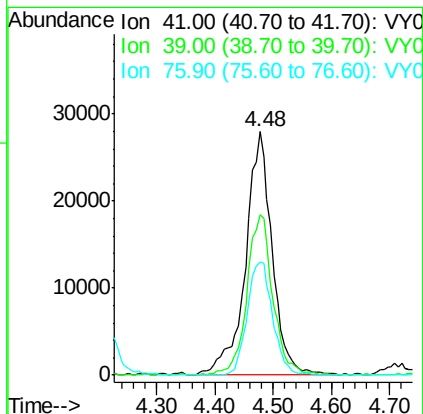
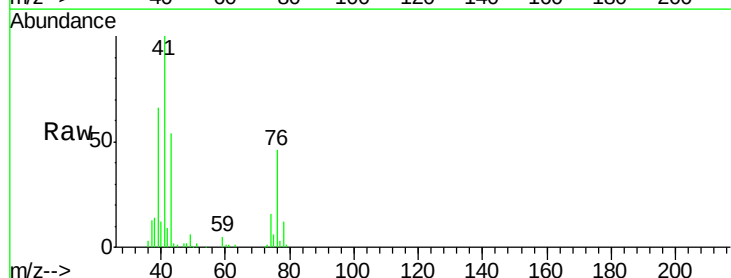
Tgt Ion: 41 Resp: 88691

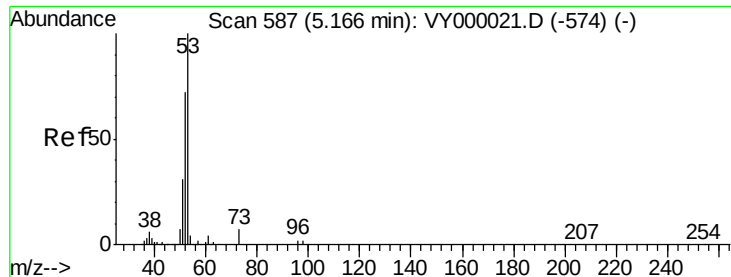
Ion Ratio Lower Upper

41 100

39 62.9 53.1 79.7

76 44.3 34.9 52.3





#15

Acrylonitrile

Concen: 237.886 ug/l

RT: 5.17 min Scan# 587

Delta R.T. -0.00 min

Lab File: VY000031.D

Acq: 12 Sep 2019 18:11

Instrument :

MSVOA_Y

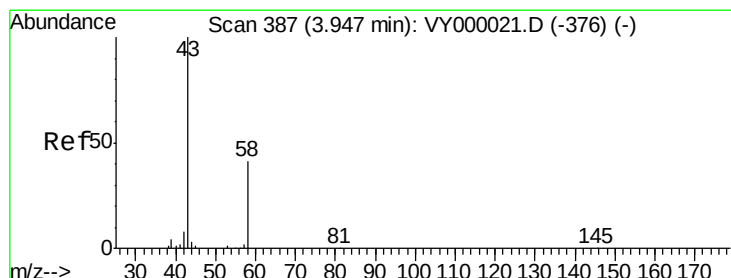
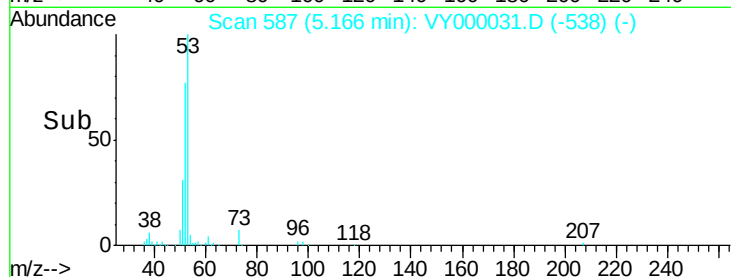
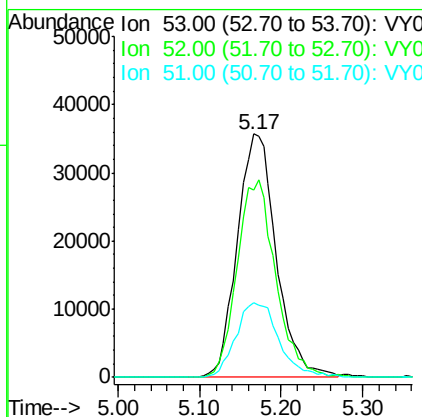
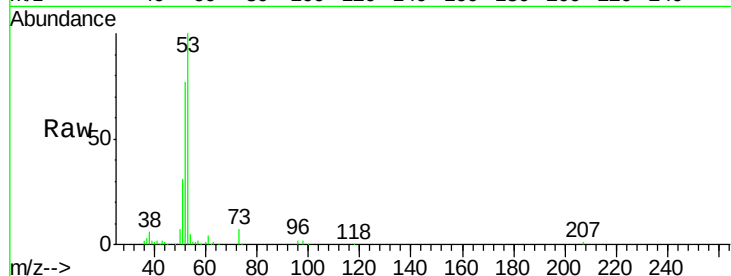
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	118397
Ion Ratio	Lower	Upper	
53	100		
52	80.2	62.8	94.2
51	34.1	26.6	40.0

Manual Integrations
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#16

Acetone

Concen: 222.417 ug/l

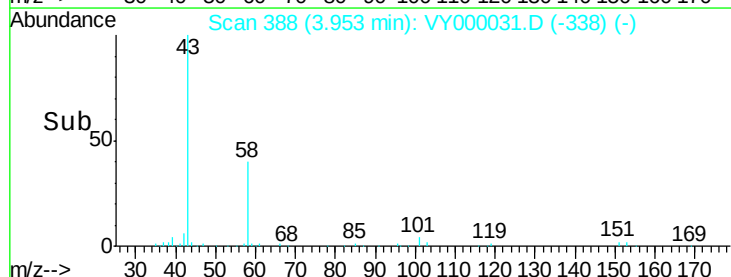
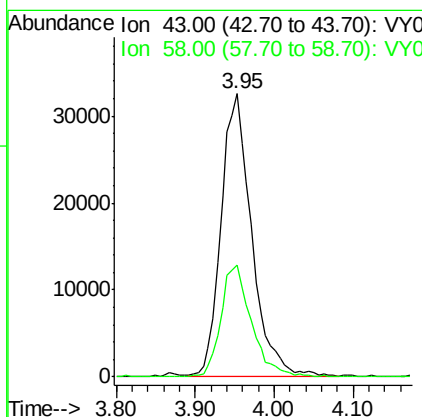
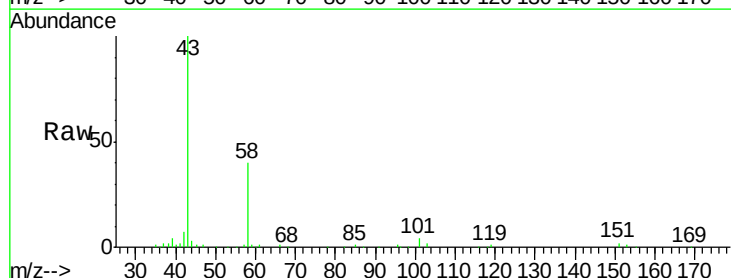
RT: 3.95 min Scan# 388

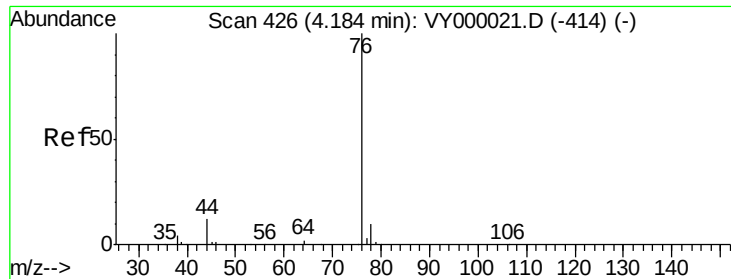
Delta R.T. 0.01 min

Lab File: VY000031.D

Acq: 12 Sep 2019 18:11

Tgt Ion:	43	Resp:	87272
Ion Ratio	Lower	Upper	
43	100		
58	39.7	32.5	48.7





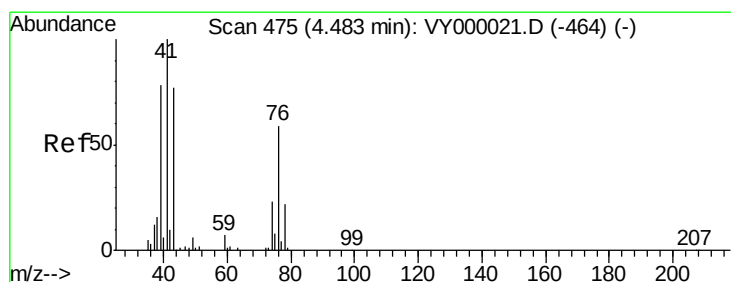
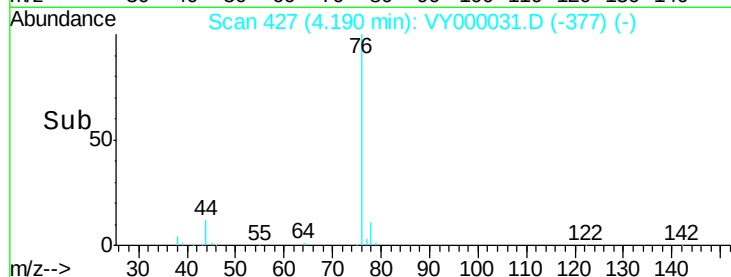
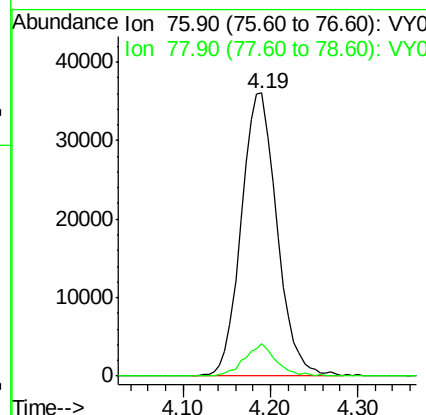
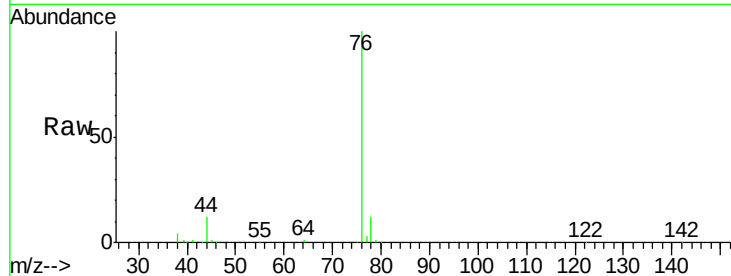
#17
Carbon Disulfide
Concen: 46.011 ug/l
RT: 4.19 min Scan# 427
Delta R.T. 0.01 min
Lab File: VY000031.D
Acq: 12 Sep 2019 18:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 76 Resp: 102600
Ion Ratio Lower Upper
76 100
78 11.7 7.6 11.4#

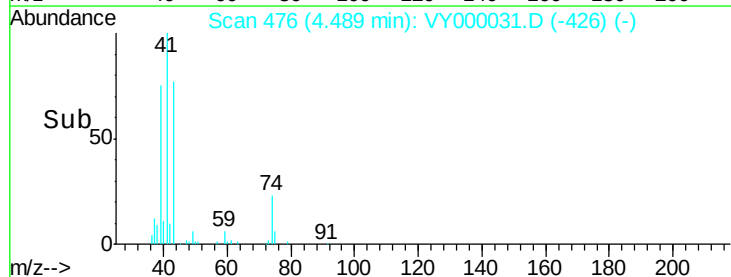
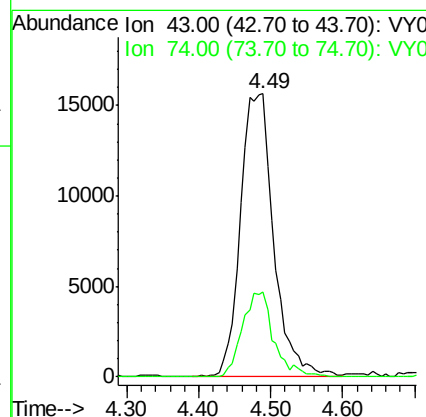
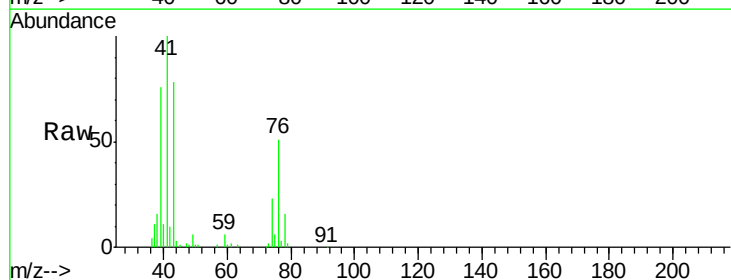
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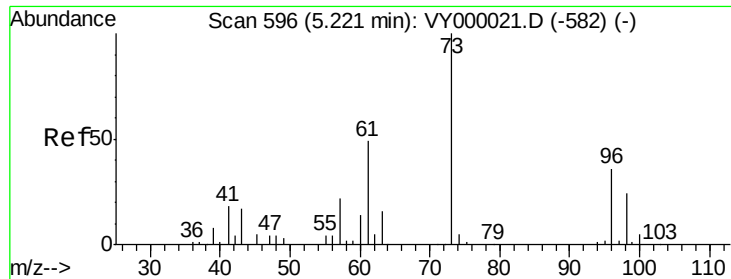
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#18
Methyl Acetate
Concen: 45.580 ug/l
RT: 4.49 min Scan# 476
Delta R.T. 0.01 min
Lab File: VY000031.D
Acq: 12 Sep 2019 18:11

Tgt Ion: 43 Resp: 50323
Ion Ratio Lower Upper
43 100
74 28.2 21.4 32.0





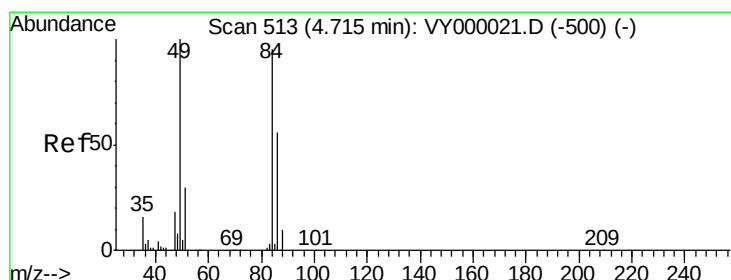
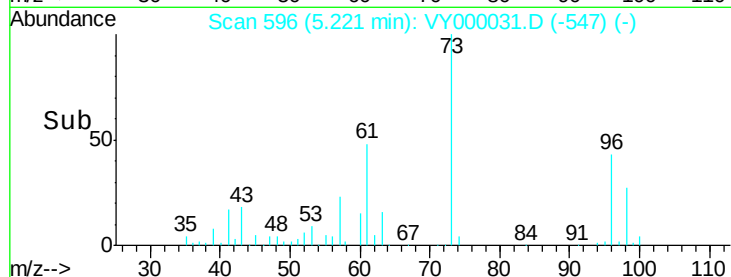
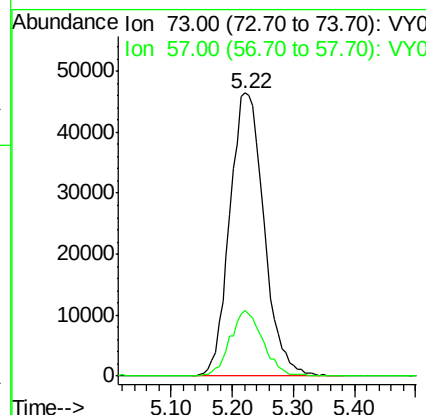
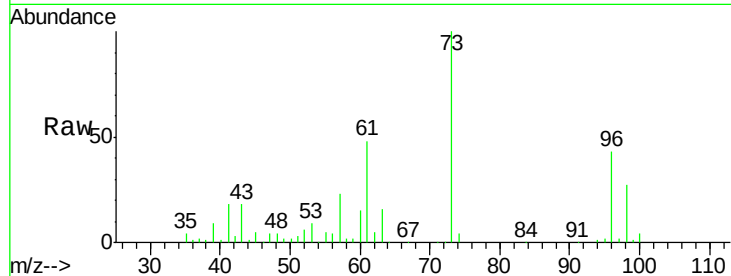
#19
Methyl tert-butyl Ether
Concen: 48.909 ug/l
RT: 5.22 min Scan# 596
Delta R.T. 0.00 min
Lab File: VY000031.D
Acq: 12 Sep 2019 18:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 179332
Ion Ratio Lower Upper
73 100
57 23.1 17.8 26.8

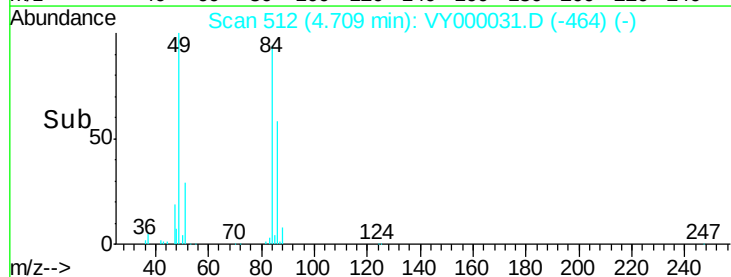
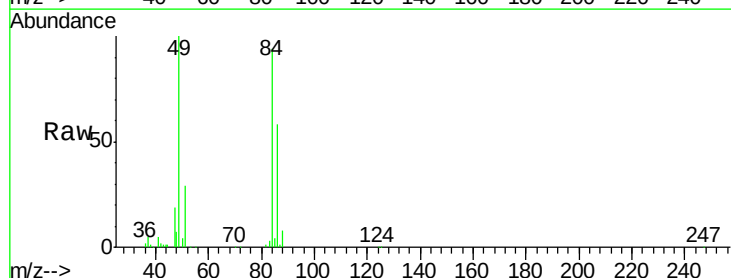
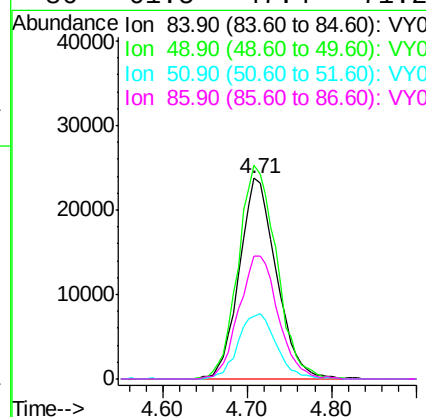
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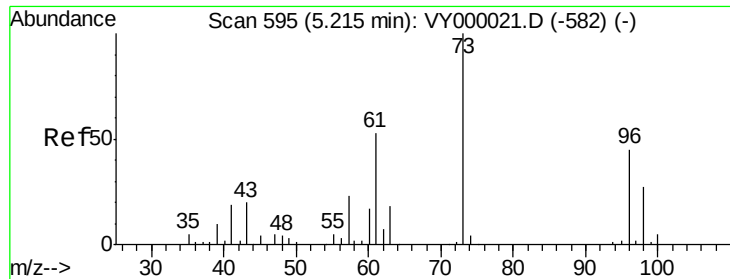
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#20
Methylene Chloride
Concen: 50.928 ug/l
RT: 4.71 min Scan# 512
Delta R.T. -0.01 min
Lab File: VY000031.D
Acq: 12 Sep 2019 18:11

Tgt Ion: 84 Resp: 70943
Ion Ratio Lower Upper
84 100
49 106.6 84.4 126.6
51 31.4 25.4 38.0
86 61.5 47.4 71.2





#21

trans-1,2-Dichloroethene

Concen: 45.465 ug/l

RT: 5.22 min Scan# 596

Delta R.T. 0.01 min

Lab File: VY000031.D

Acq: 12 Sep 2019 18:11

Instrument :

MSVOA_Y

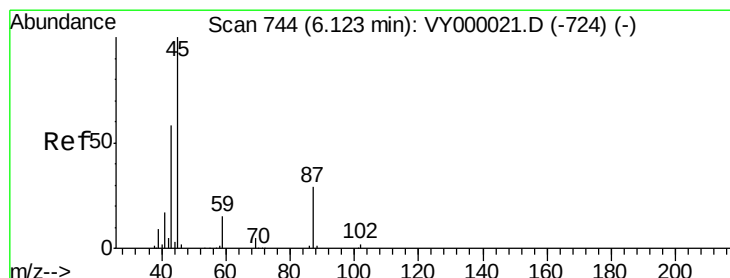
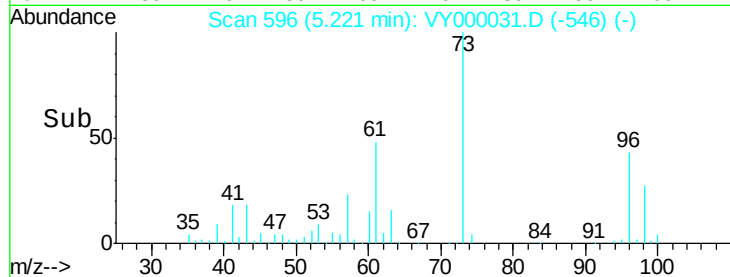
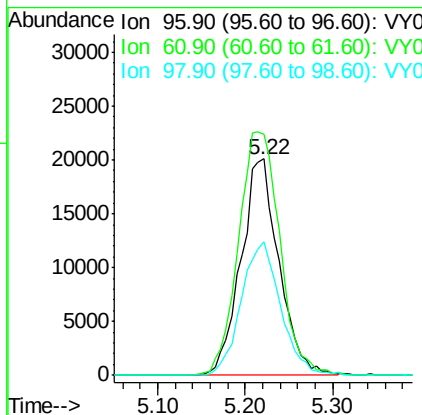
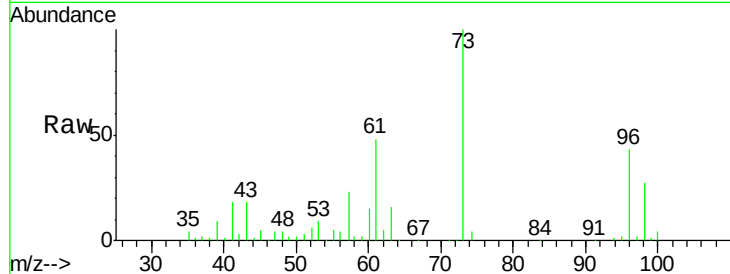
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	60943
Ion	Ratio	Lower	Upper
96	100		
61	111.2	95.3	142.9
98	61.6	48.7	73.1

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#22

Diisopropyl ether

Concen: 48.625 ug/l

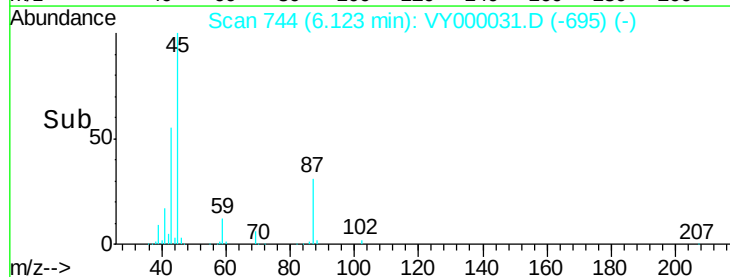
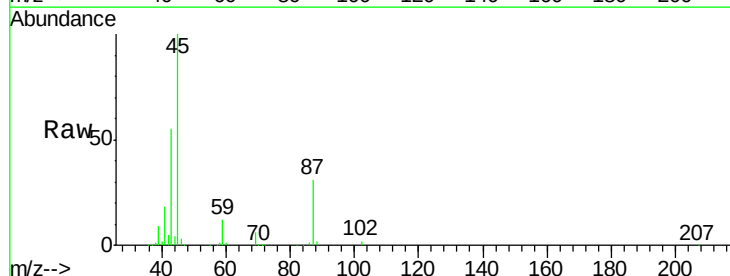
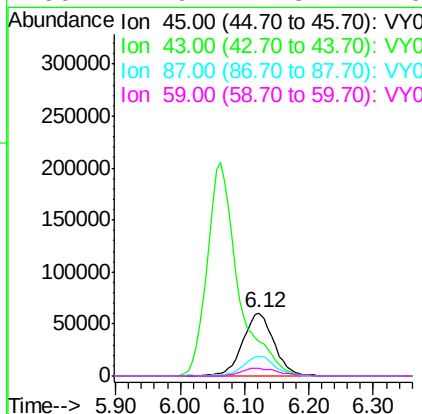
RT: 6.12 min Scan# 744

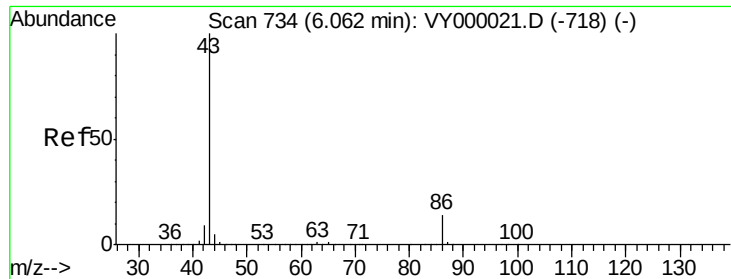
Delta R.T. 0.00 min

Lab File: VY000031.D

Acq: 12 Sep 2019 18:11

Tgt Ion:	45	Resp:	201763
Ion	Ratio	Lower	Upper
45	100		
43	54.7	47.0	70.4
87	31.5	23.1	34.7
59	11.9	11.8	17.6





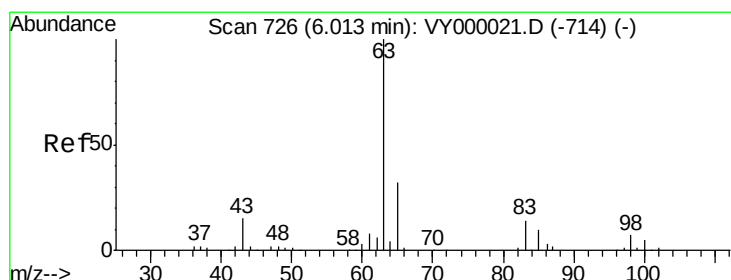
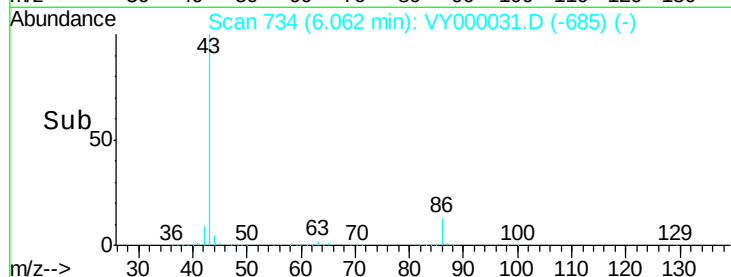
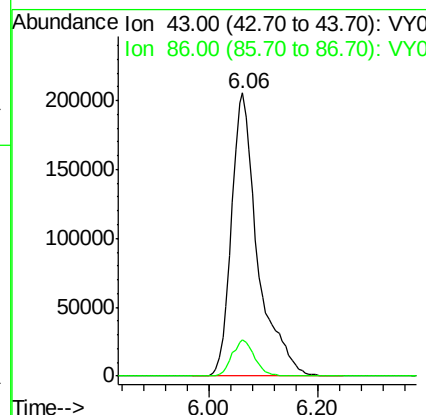
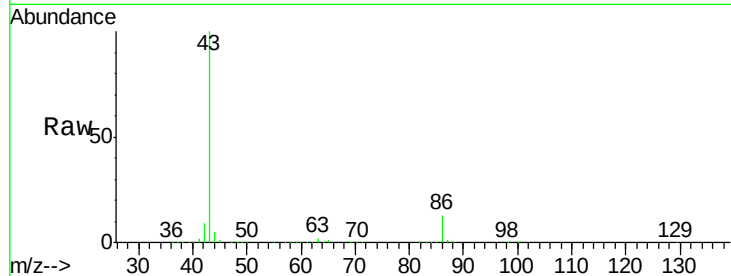
#23
 Vinyl Acetate
 Concen: 239.999 ug/l
 RT: 6.06 min Scan# 734
 Delta R.T. 0.00 min
 Lab File: VY000031.D
 Acq: 12 Sep 2019 18:11

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	43	Resp	688902
Ion Ratio	100	Lower	Upper
43	100		
86	12.8	11.0	16.4

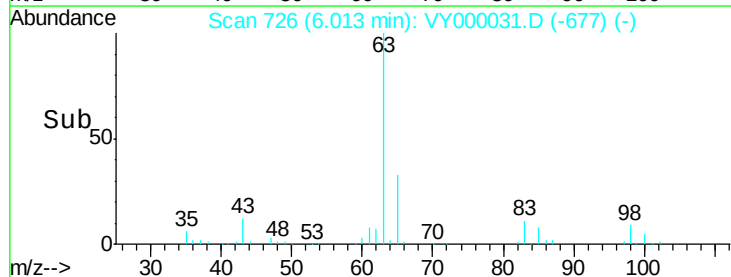
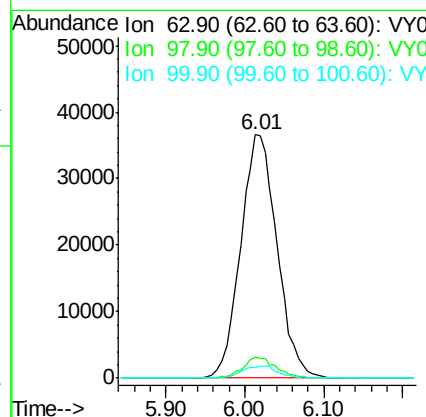
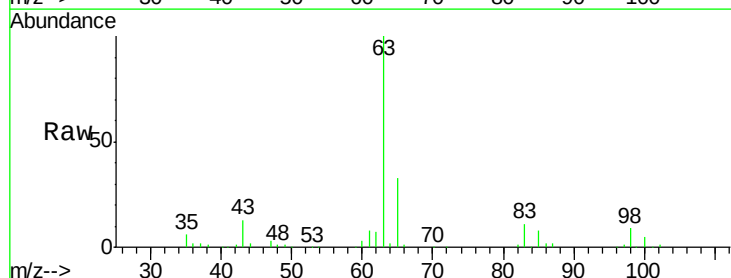
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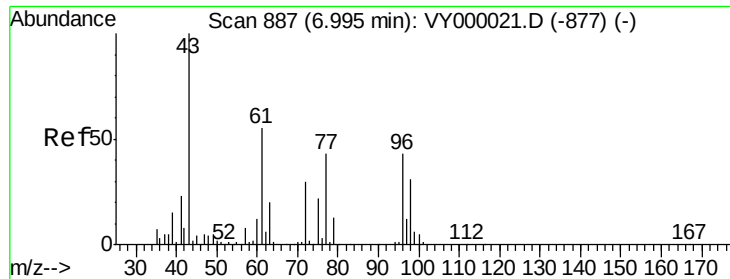
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#24
 1,1-Dichloroethane
 Concen: 47.531 ug/l
 RT: 6.01 min Scan# 726
 Delta R.T. 0.00 min
 Lab File: VY000031.D
 Acq: 12 Sep 2019 18:11

Tgt Ion	63	Resp	116873
Ion Ratio	100	Lower	Upper
63	100		
98	8.7	3.8	11.2
100	4.6	2.6	8.0





#25

2-Butanone

Concen: 232.023 ug/l

RT: 6.99 min Scan# 886

Delta R.T. -0.01 min

Lab File: VY000031.D

Acq: 12 Sep 2019 18:11

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 147969

Ion Ratio Lower Upper

43 100

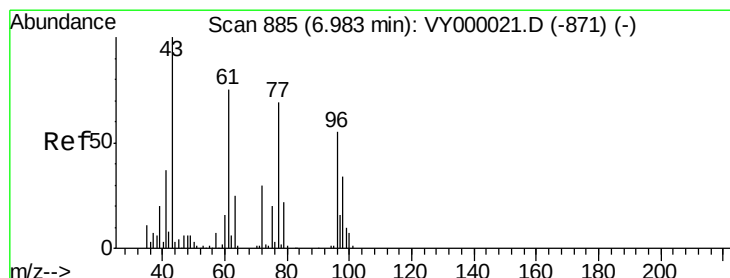
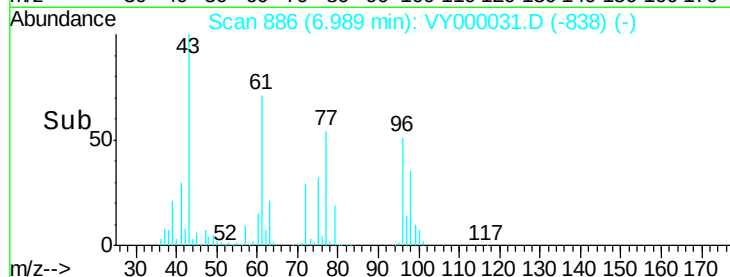
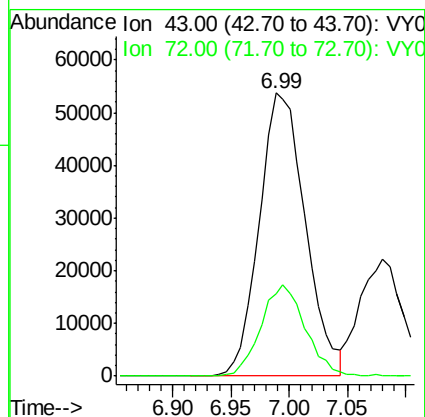
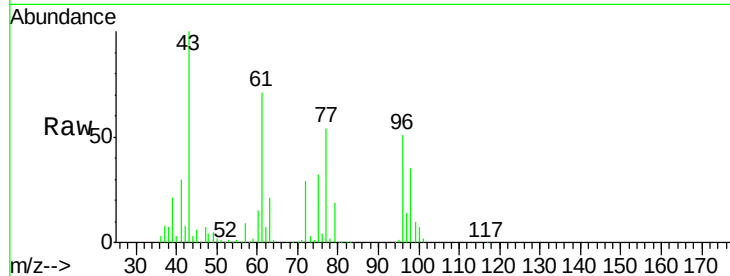
72 29.0 24.1 36.1

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 44.254 ug/l

RT: 6.98 min Scan# 885

Delta R.T. 0.00 min

Lab File: VY000031.D

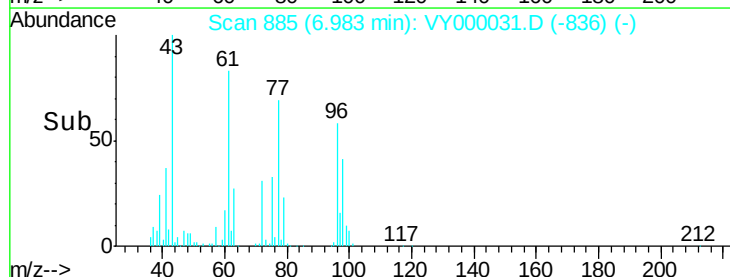
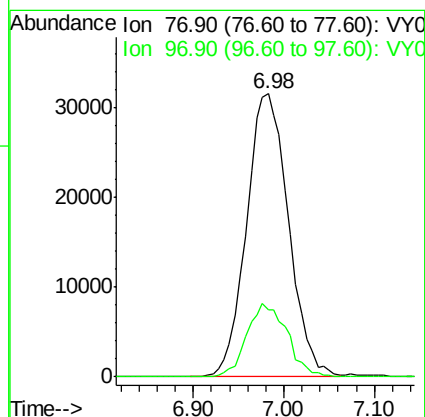
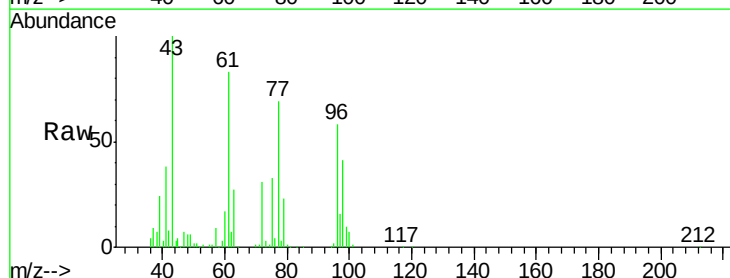
Acq: 12 Sep 2019 18:11

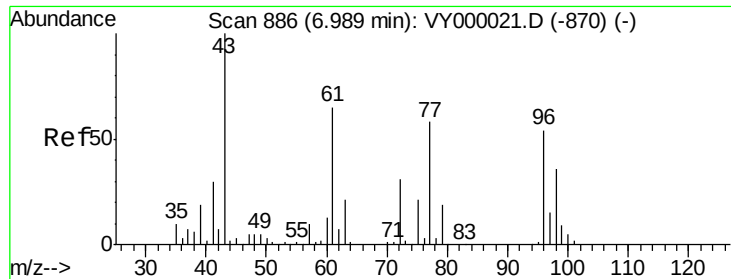
Tgt Ion: 77 Resp: 101087

Ion Ratio Lower Upper

77 100

97 24.8 12.0 36.1





#27

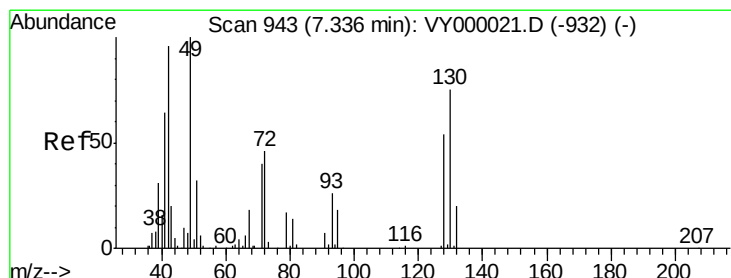
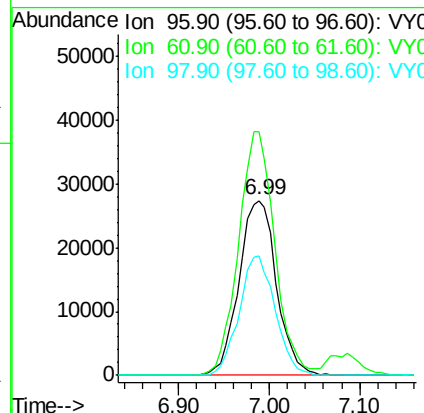
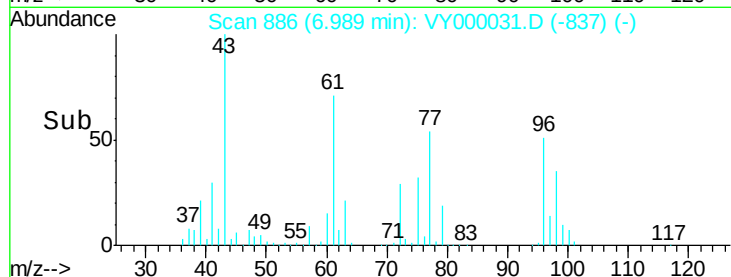
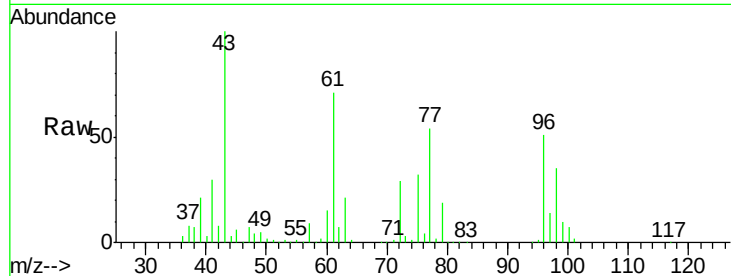
cis-1,2-Dichloroethene
Concen: 46.372 ug/l
RT: 6.99 min Scan# 886
Delta R.T. 0.00 min
Lab File: VY000031.D
Acq: 12 Sep 2019 18:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	134.3	0.0	259.2
98	65.7	0.0	127.4

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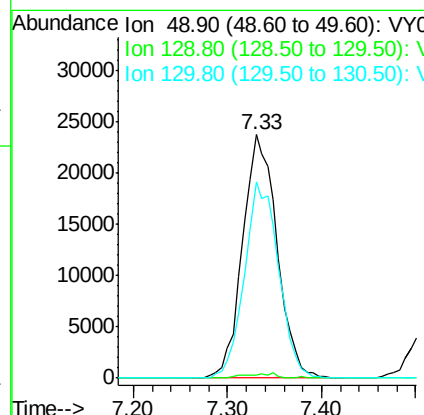
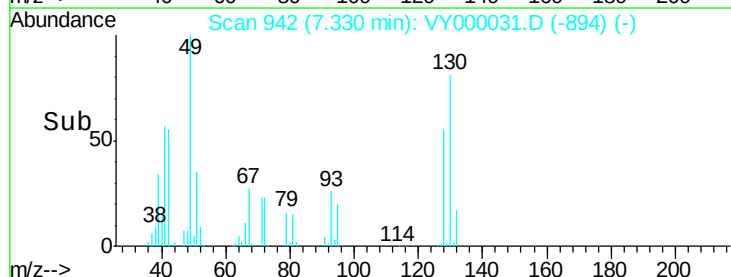
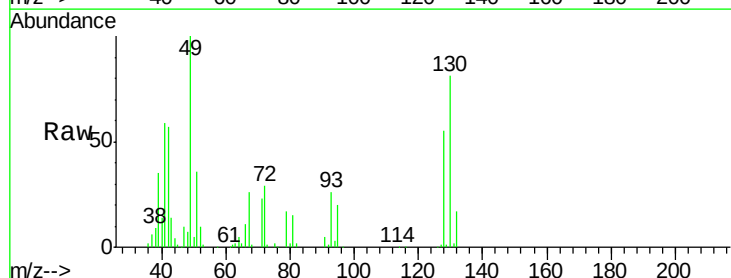
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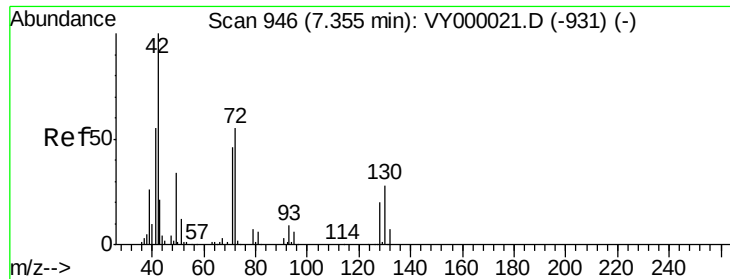


#28

Bromochloromethane
Concen: 53.758 ug/l
RT: 7.33 min Scan# 942
Delta R.T. -0.01 min
Lab File: VY000031.D
Acq: 12 Sep 2019 18:11

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.8	0.0	1.8
130	80.1	62.5	93.7





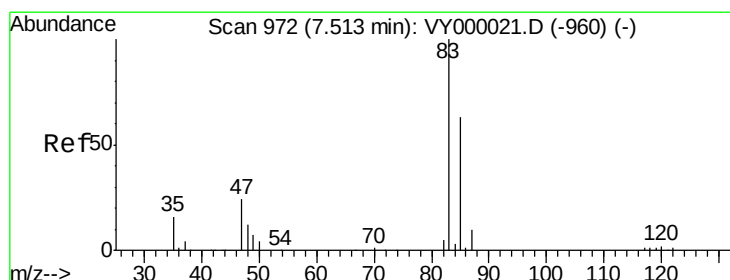
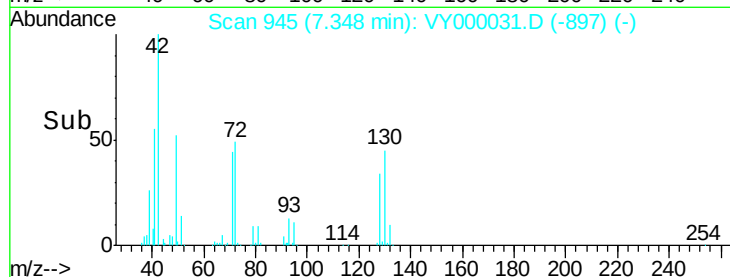
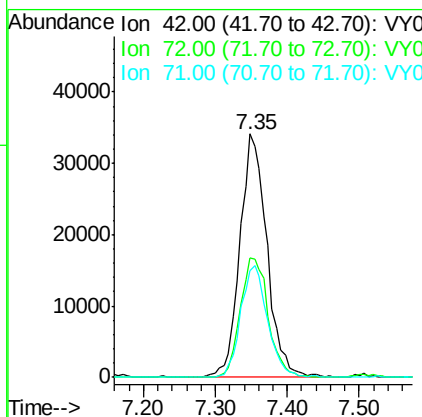
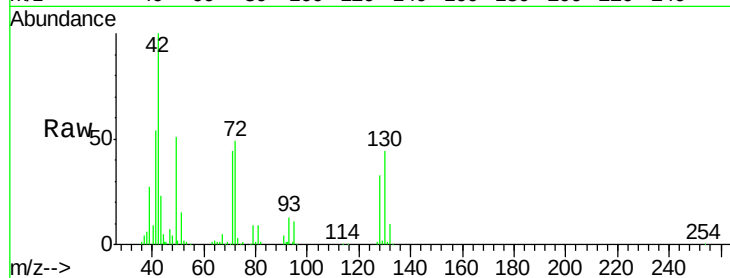
#29
Tetrahydrofuran
Concen: 235.133 ug/l
RT: 7.35 min Scan# 945
Delta R.T. -0.01 min
Lab File: VY000031.D
Acq: 12 Sep 2019 18:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	50.7	41.1	61.7
71	45.4	36.5	54.7

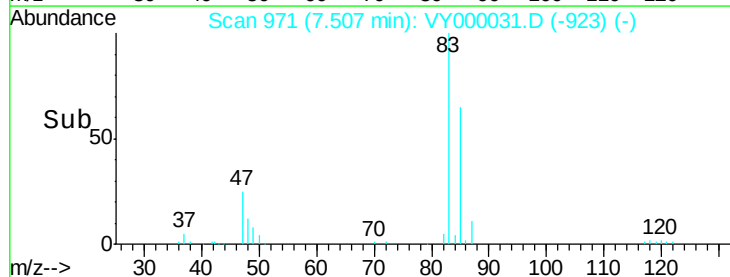
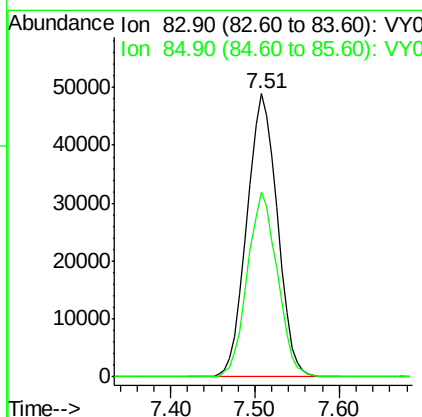
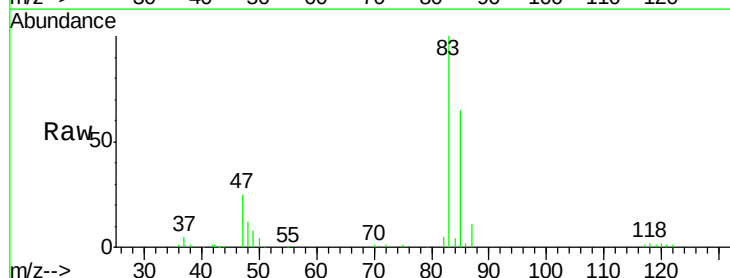
Manual Integrations
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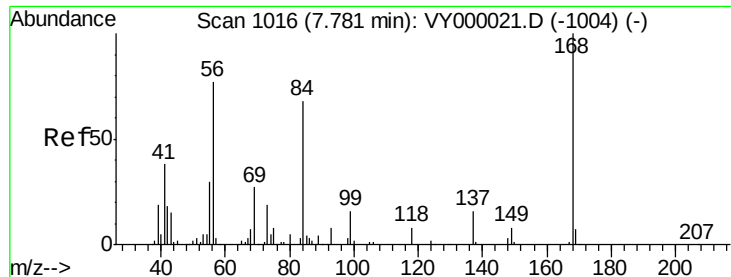
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#30
Chloroform
Concen: 47.301 ug/l
RT: 7.51 min Scan# 971
Delta R.T. -0.01 min
Lab File: VY000031.D
Acq: 12 Sep 2019 18:11

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	50.6	76.0





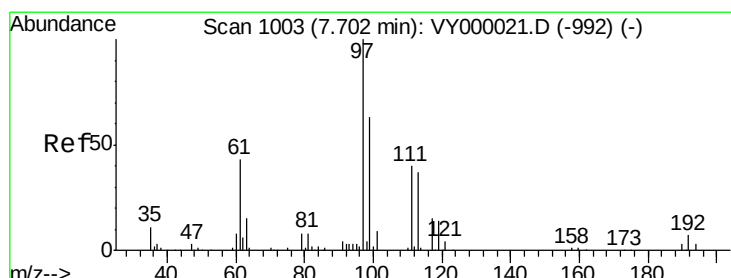
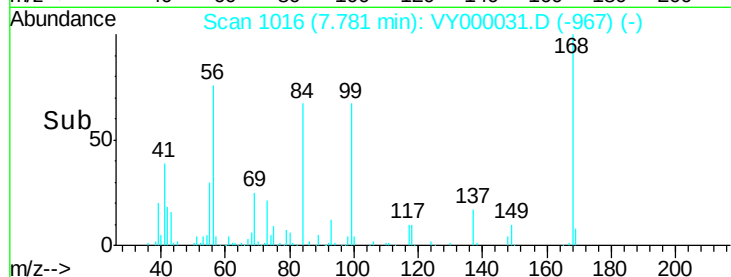
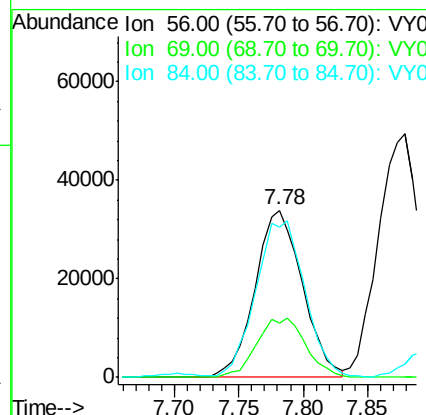
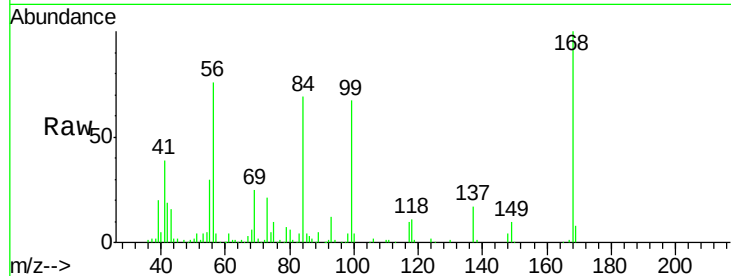
#31
Cyclohexane
Concen: 47.613 ug/l
RT: 7.78 min Scan# 1016
Delta R.T. 0.00 min
Lab File: VY000031.D
Acq: 12 Sep 2019 18:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
56	100		86414		
69	32.4	28.0	42.0		
84	87.9	70.4	105.6		

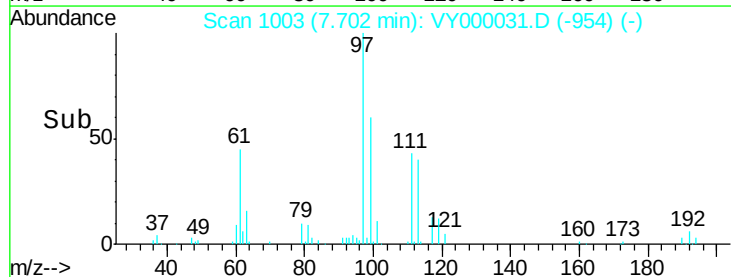
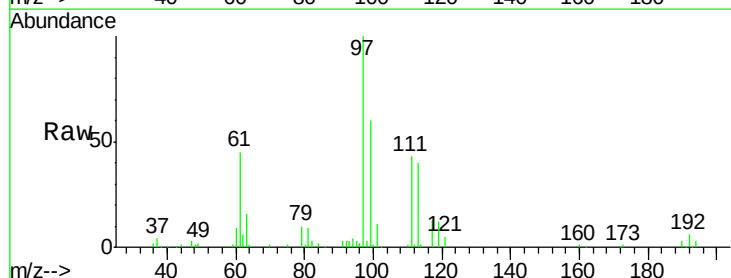
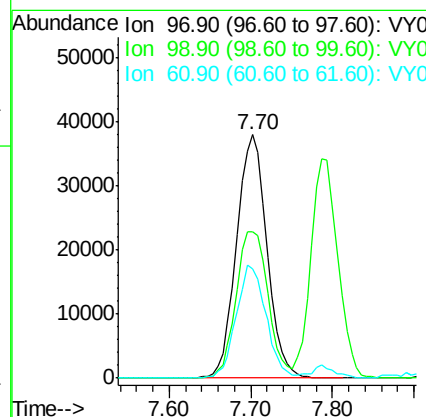
Manual Integrations
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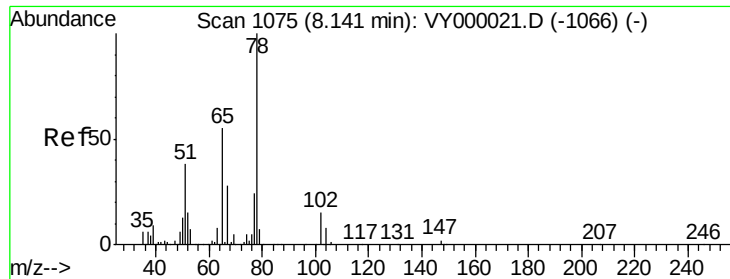
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#32
1,1,1-Trichloroethane
Concen: 46.924 ug/l
RT: 7.70 min Scan# 1003
Delta R.T. 0.00 min
Lab File: VY000031.D
Acq: 12 Sep 2019 18:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
97	100		97602		
99	64.0	51.0	76.6		
61	45.5	35.7	53.5		





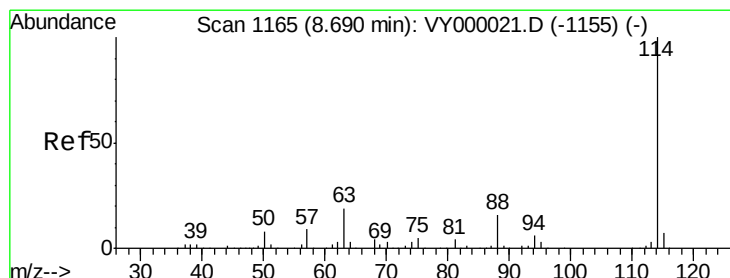
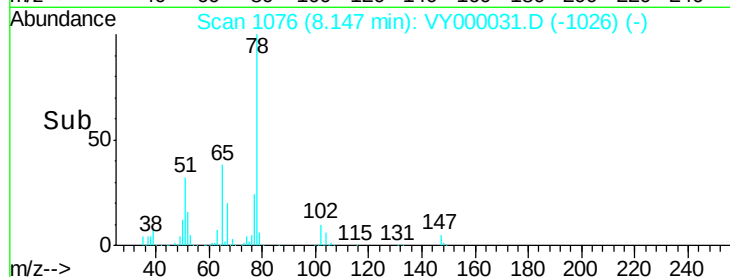
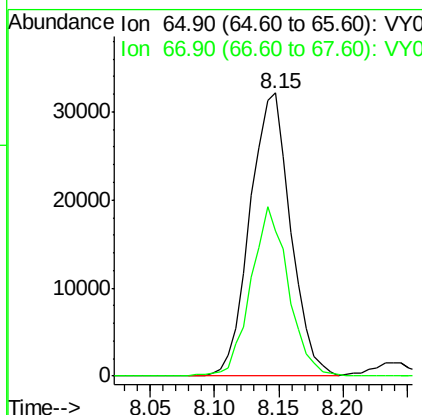
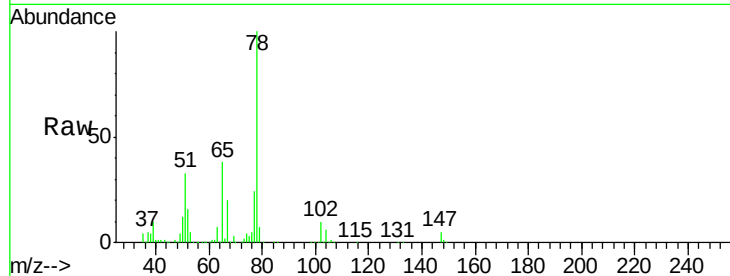
#33
 1,2-Dichloroethane-d4
 Concen: 49.471 ug/l
 RT: 8.15 min Scan# 1076
 Delta R.T. 0.01 min
 Lab File: VY000031.D
 Acq: 12 Sep 2019 18:11

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	55.3	0.0	104.4

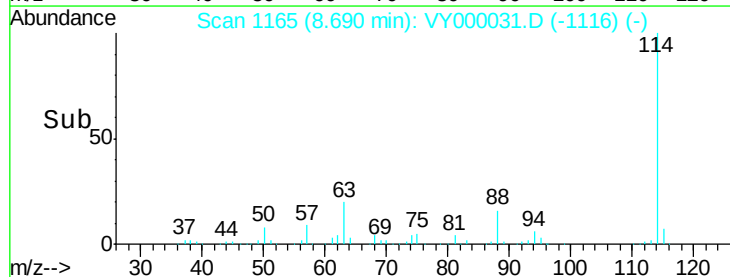
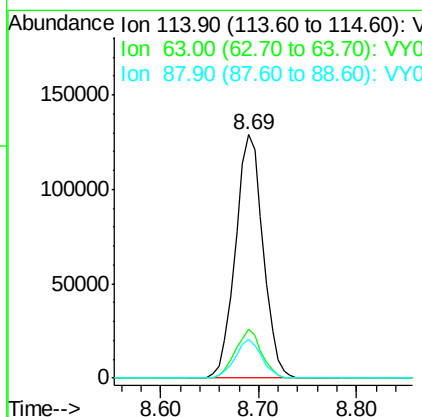
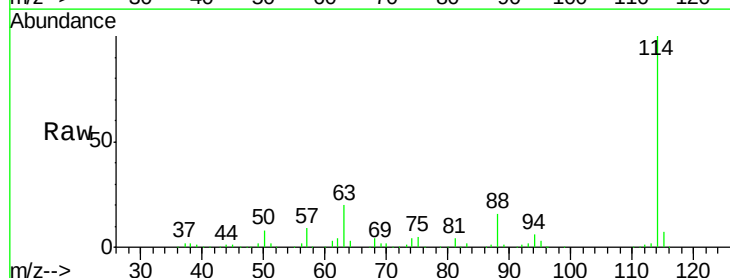
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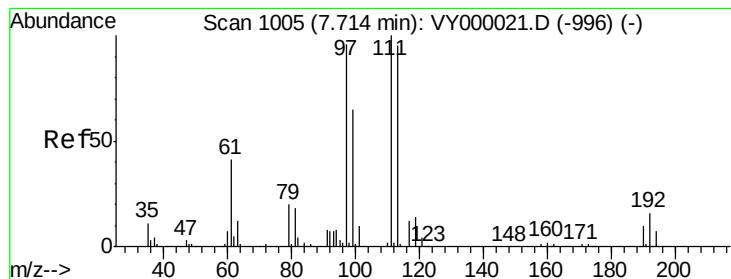
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1165
 Delta R.T. 0.00 min
 Lab File: VY000031.D
 Acq: 12 Sep 2019 18:11

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	38.6
88	16.0	0.0	31.8





#35

Dibromofluoromethane

Concen: 47.457 ug/l

RT: 7.72 min Scan# 1006

Delta R.T. 0.01 min

Lab File: VY000031.D

Acq: 12 Sep 2019 18:11

Instrument :

MSVOA_Y

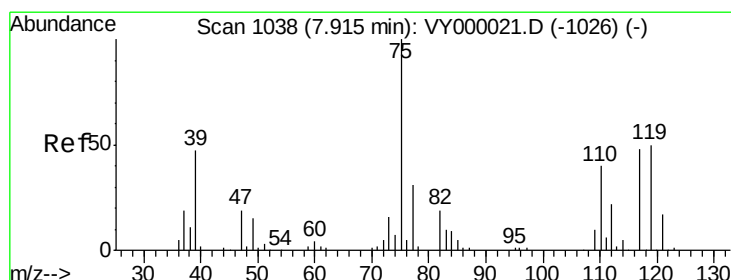
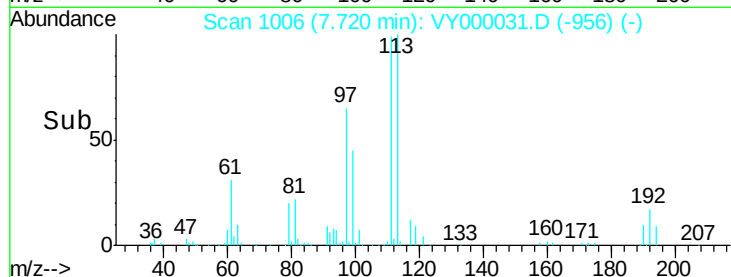
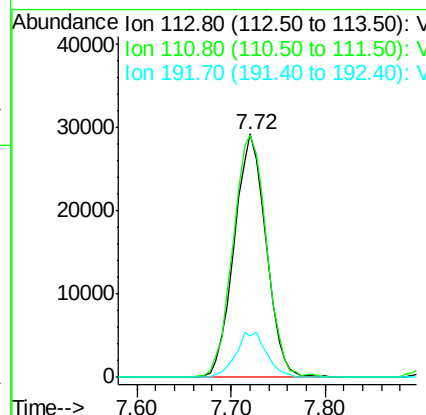
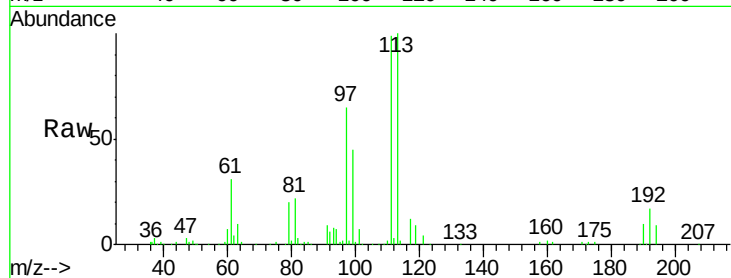
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	68436
Ion	Ratio	Lower	Upper
113	100		
111	105.1	83.9	125.9
192	18.1	14.5	21.7

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 44.632 ug/l

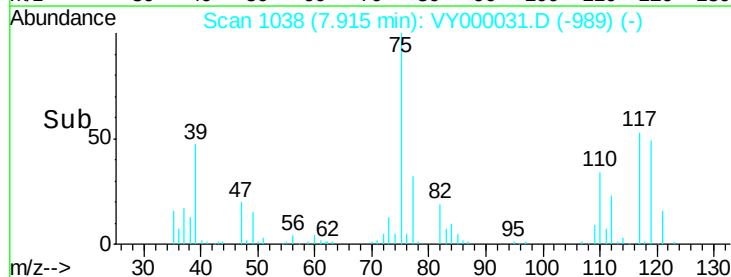
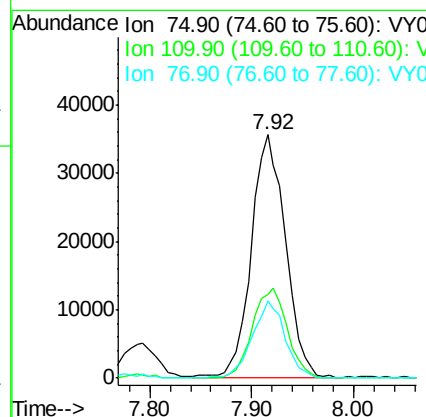
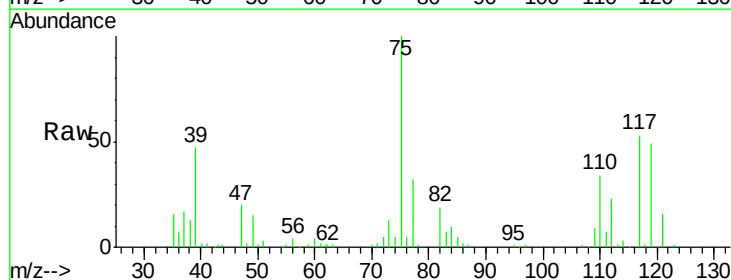
RT: 7.92 min Scan# 1038

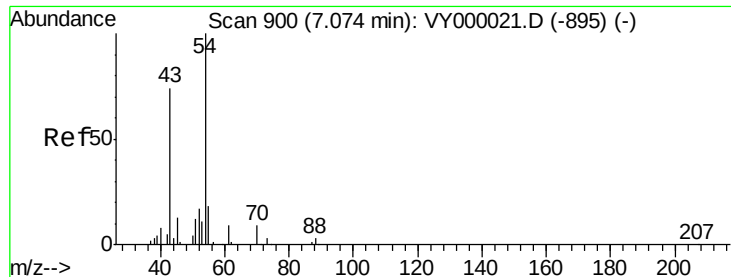
Delta R.T. 0.00 min

Lab File: VY000031.D

Acq: 12 Sep 2019 18:11

Tgt Ion:	75	Resp:	82371
Ion	Ratio	Lower	Upper
75	100		
110	38.0	18.6	55.8
77	31.0	24.4	36.6





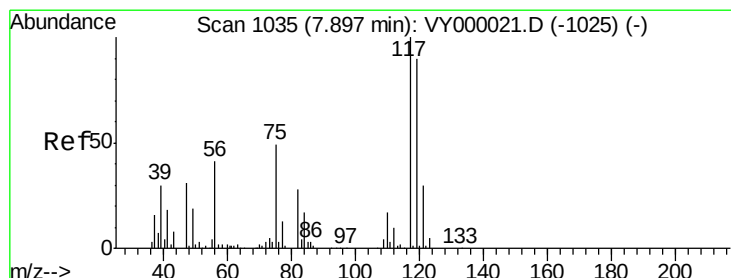
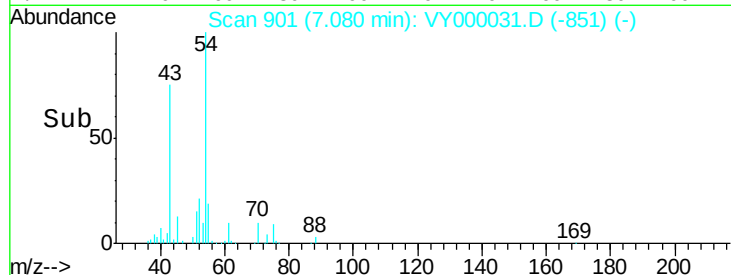
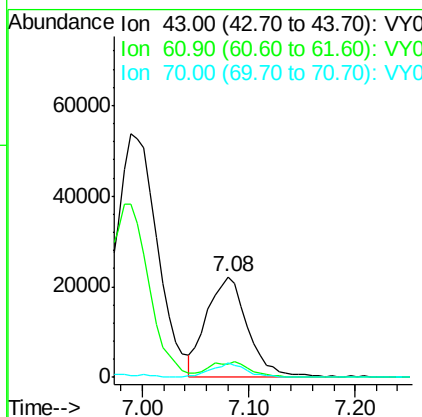
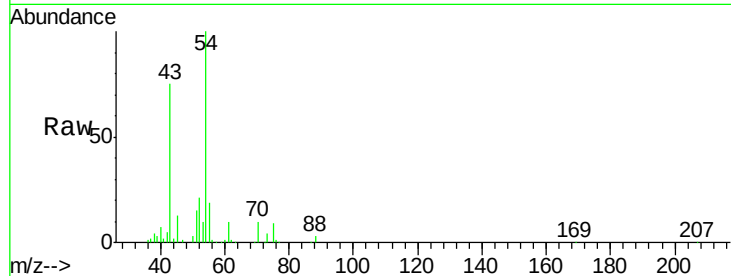
#37
Ethyl Acetate
Concen: 47.018 ug/l
RT: 7.08 min Scan# 901
Delta R.T. 0.01 min
Lab File: VY000031.D
Acq: 12 Sep 2019 18:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
43	100			
61	15.0		13.1	19.7
70	12.6		10.9	16.3

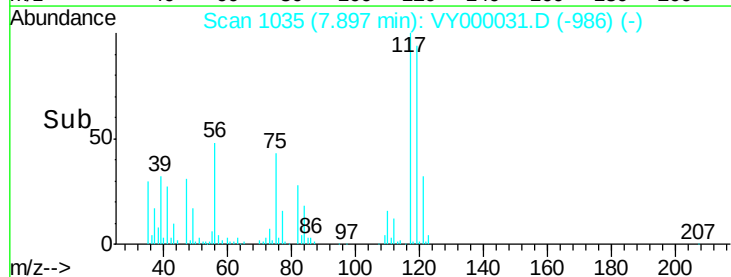
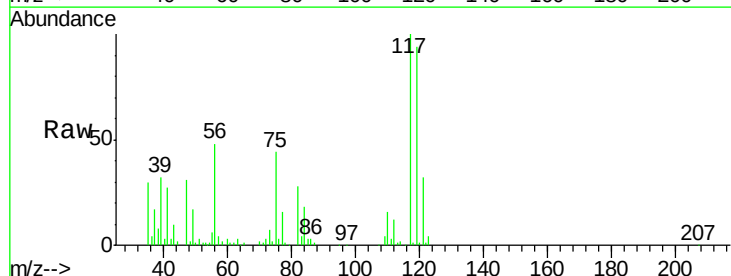
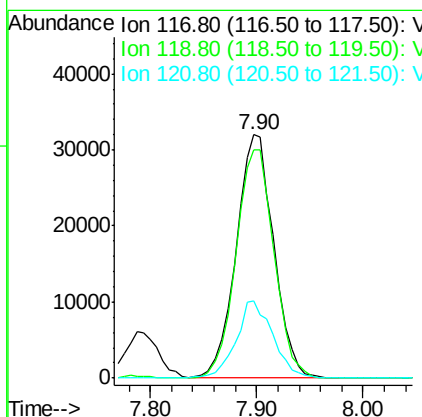
Manual Integrations
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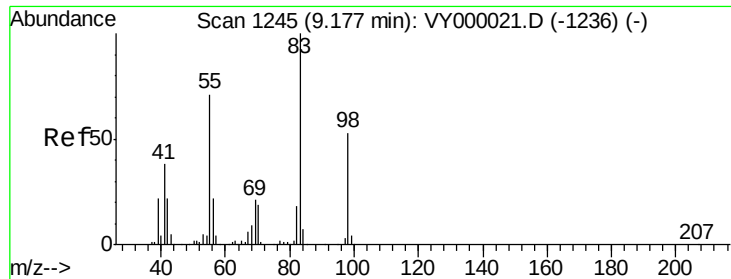
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#38
Carbon Tetrachloride
Concen: 45.410 ug/l
RT: 7.90 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VY000031.D
Acq: 12 Sep 2019 18:11

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	93.7		72.1	108.1
121	31.8		23.9	35.9





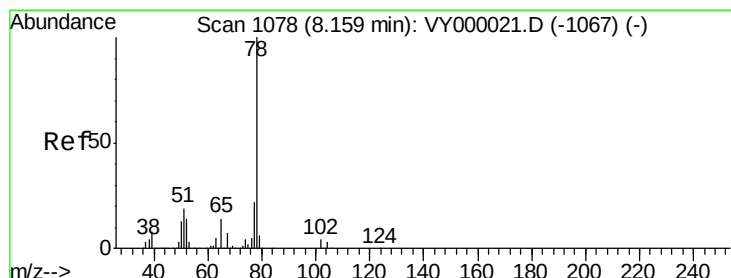
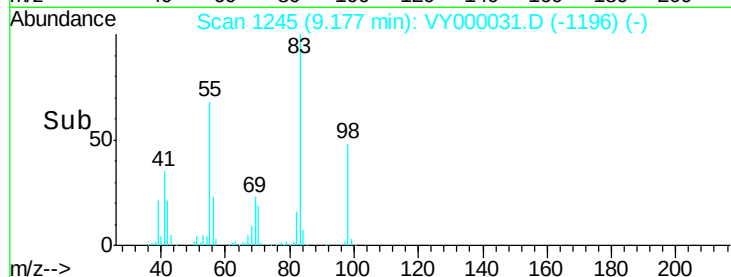
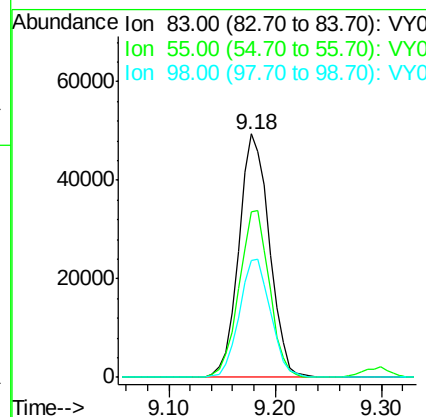
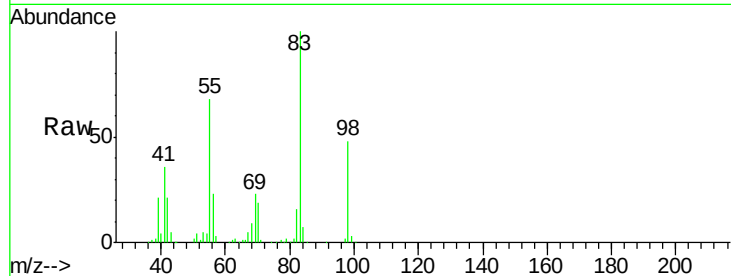
#39
Methylvlcyclohexane
Concen: 43.741 ug/l
RT: 9.18 min Scan# 1245
Delta R.T. 0.00 min
Lab File: VY000031.D
Acq: 12 Sep 2019 18:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	99737
Ion Ratio	100	Lower	Upper
83	100		
55	68.0	57.0	85.4
98	47.8	42.0	63.0

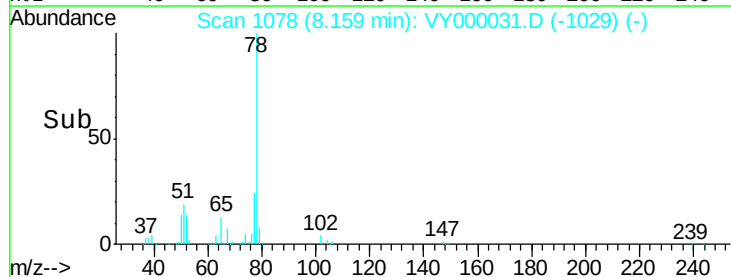
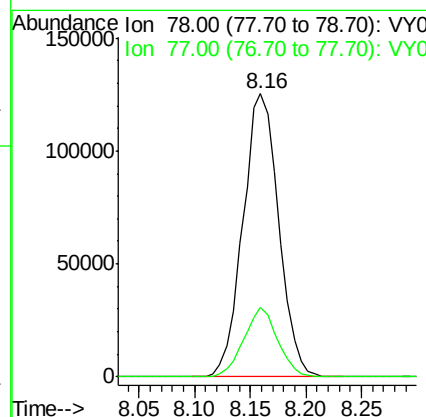
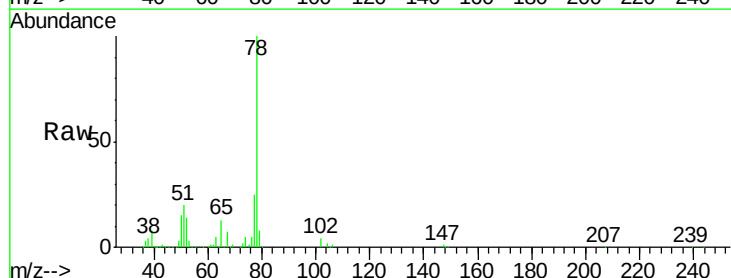
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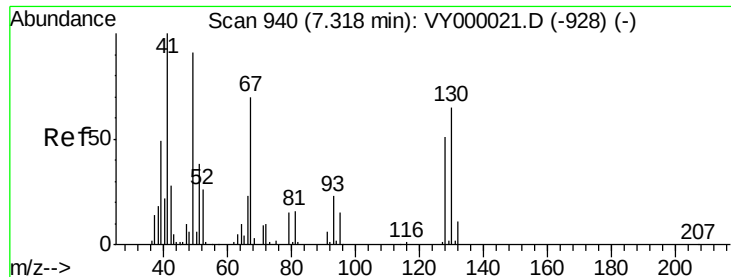
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#40
Benzene
Concen: 46.582 ug/l
RT: 8.16 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VY000031.D
Acq: 12 Sep 2019 18:11

Tgt Ion	78	Resp	279892
Ion Ratio	100	Lower	Upper
78	100		
77	24.6	17.8	26.6





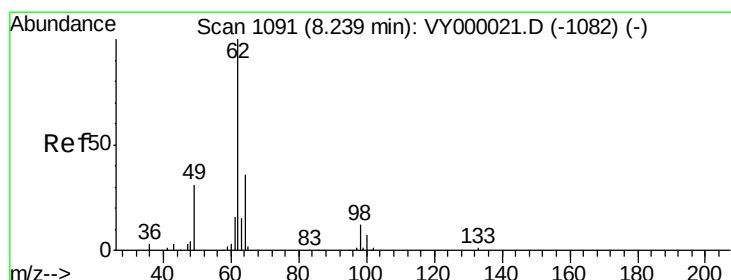
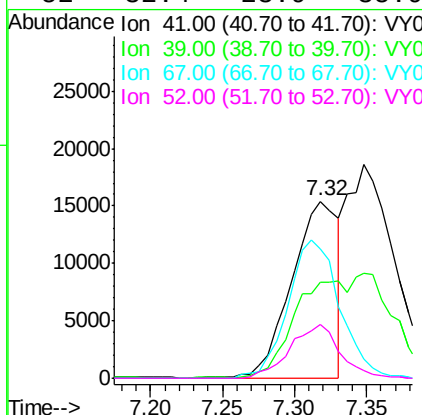
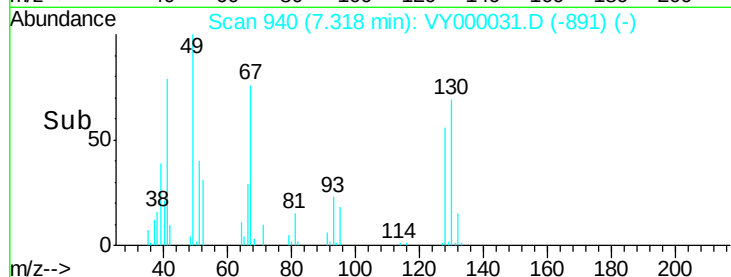
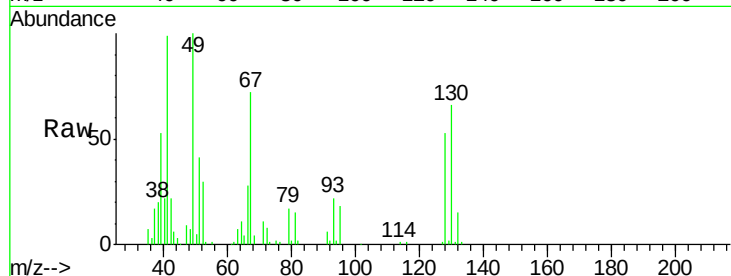
#41
Methacrylonitrile
Concen: 47.958 ug/l
RT: 7.32 min Scan# 940
Delta R.T. 0.00 min
Lab File: VY000031.D
Acq: 12 Sep 2019 18:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	41	Resp	34725
Ion	Ratio	Lower	Upper
41	100		
39	63.6	41.8	62.6#
67	87.0	65.8	98.6
52	32.4	23.9	35.9

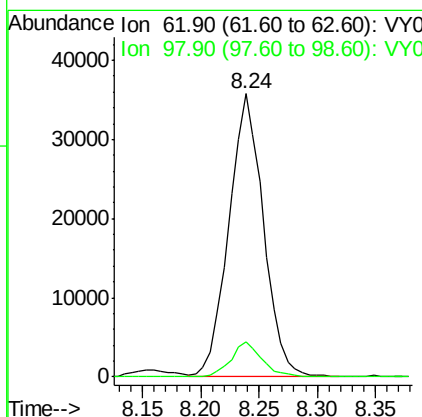
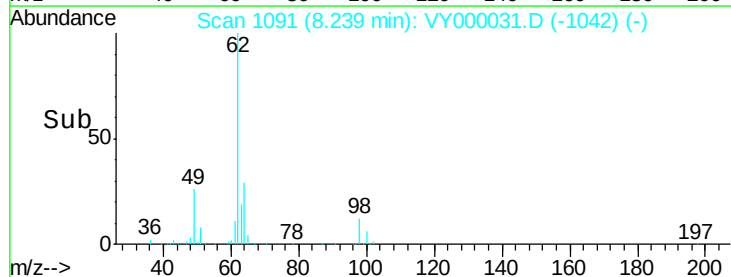
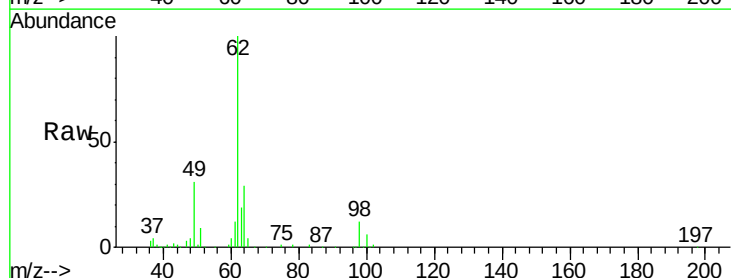
Manual Integrations
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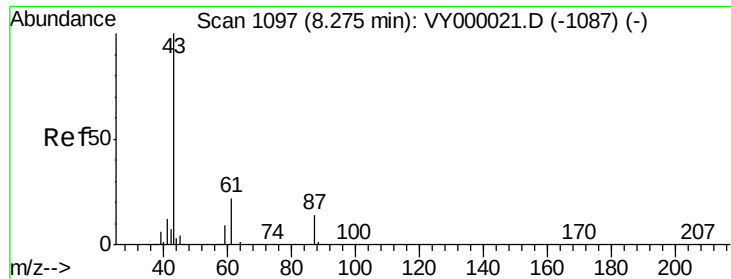
MMDadoda
9/13/2019 11:54:02 PM



#42
1,2-Dichloroethane
Concen: 48.224 ug/l
RT: 8.24 min Scan# 1091
Delta R.T. 0.00 min
Lab File: VY000031.D
Acq: 12 Sep 2019 18:11

Tgt Ion	62	Resp	74049
Ion	Ratio	Lower	Upper
62	100		
98	11.1	0.0	23.2





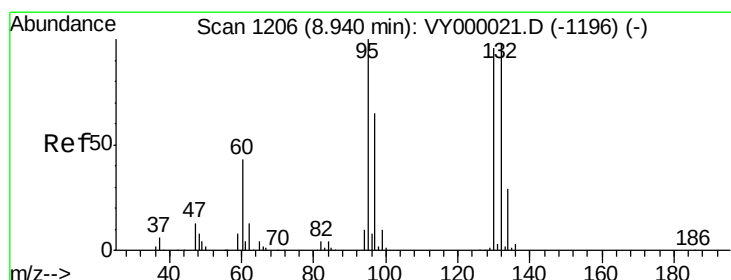
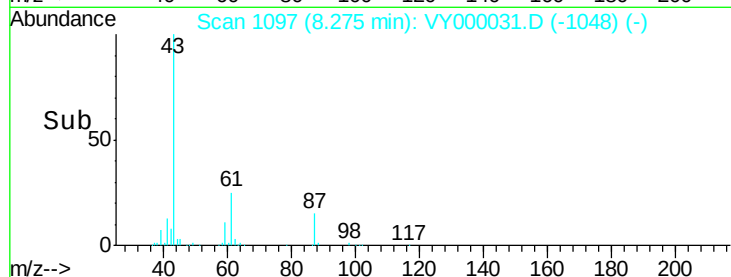
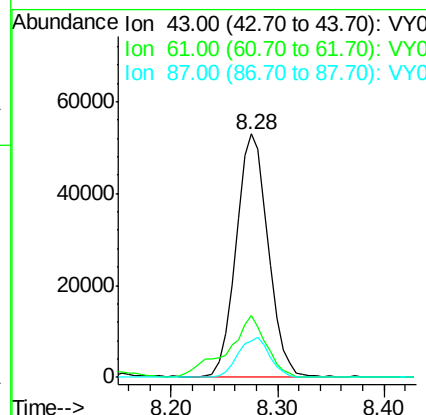
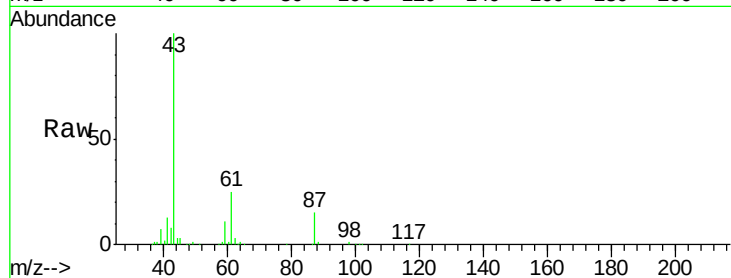
#43
Isopropyl Acetate
Concen: 46.472 ug/l
RT: 8.28 min Scan# 1097
Delta R.T. 0.00 min
Lab File: VY000031.D
Acq: 12 Sep 2019 18:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	112074
Ion Ratio	100	Lower	Upper
43	100		
61	30.7	24.9	37.3
87	16.2	12.3	18.5

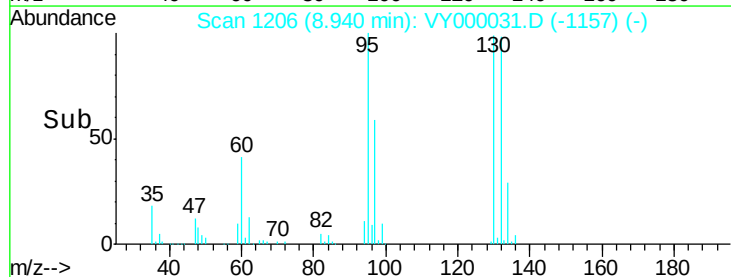
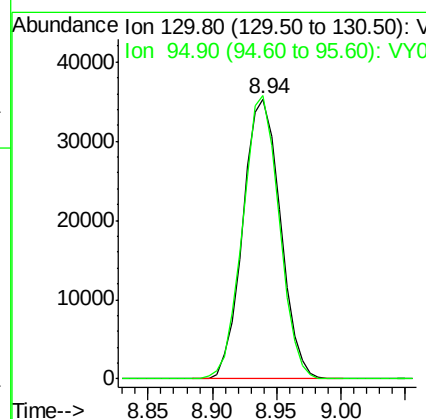
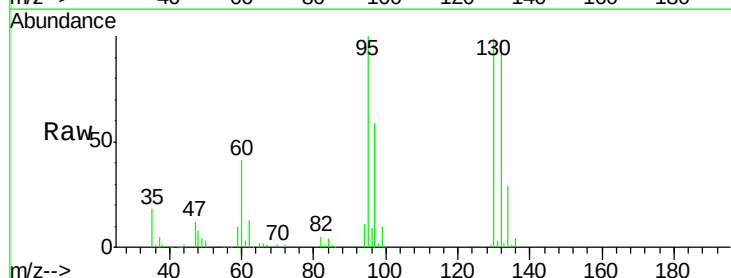
Manual Integrations
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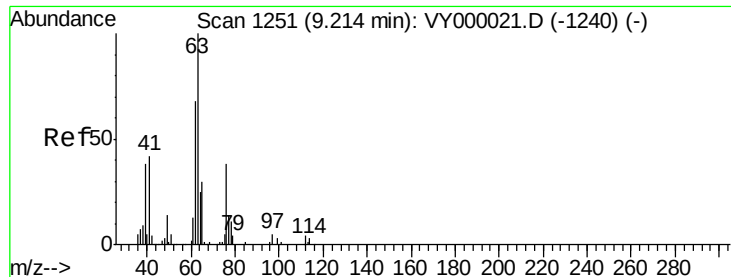
MMDadoda
9/13/2019 11:54:02 PM



#44
Trichloroethene
Concen: 47.354 ug/l
RT: 8.94 min Scan# 1206
Delta R.T. 0.00 min
Lab File: VY000031.D
Acq: 12 Sep 2019 18:11

Tgt Ion	130	Resp	71043
Ion Ratio	100	Lower	Upper
130	100		
95	101.1	0.0	207.4





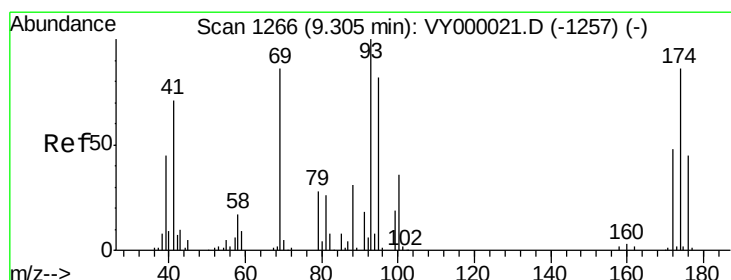
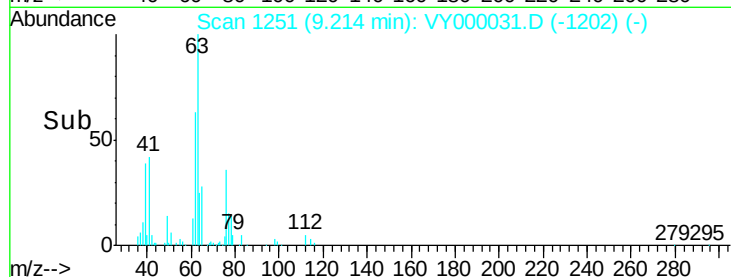
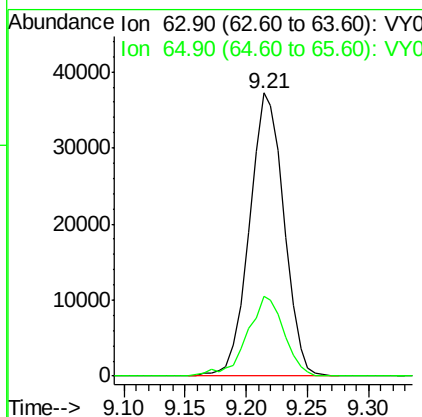
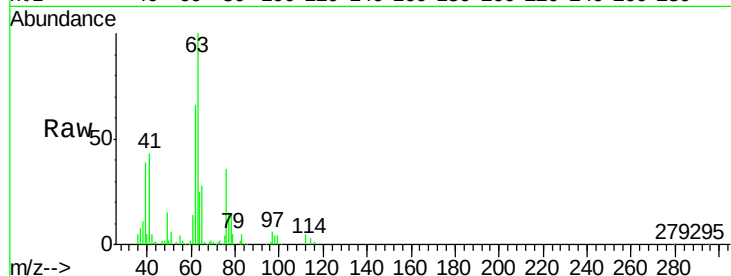
#45
 1,2-Dichloropropane
 Concen: 47.203 ug/l
 RT: 9.21 min Scan# 1251
 Delta R.T. 0.00 min
 Lab File: VY000031.D
 Acq: 12 Sep 2019 18:11

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 73133
 Ion Ratio Lower Upper
 63 100
 65 28.3 24.1 36.1

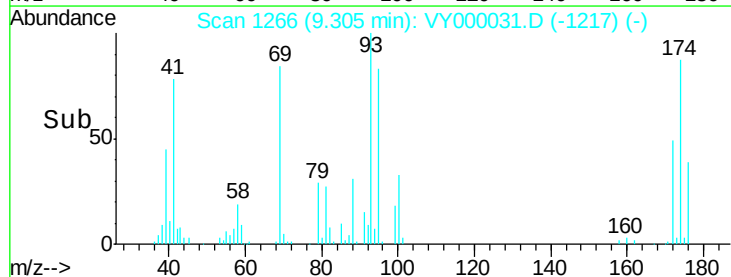
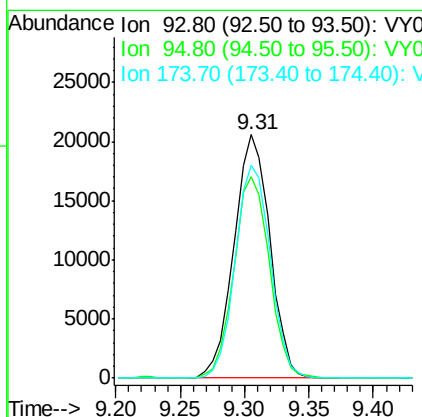
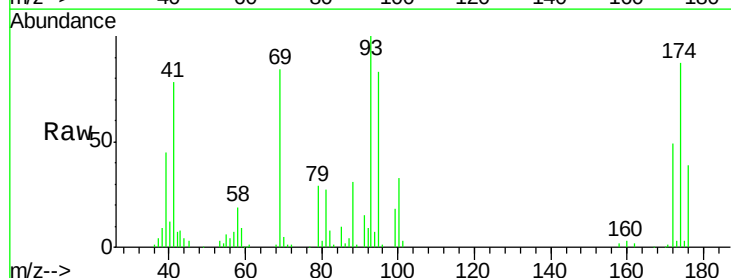
Manual Integrations
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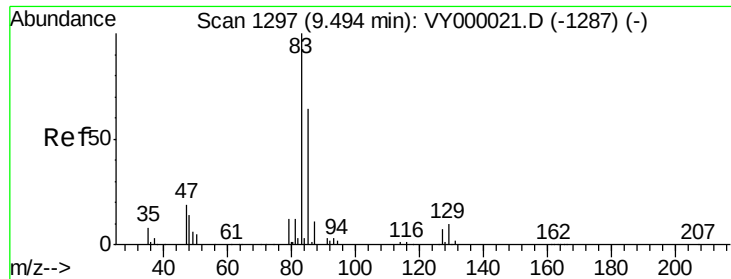
MMDadoda
 9/13/2019 11:54:02 PM



#46
 Dibromomethane
 Concen: 46.281 ug/l
 RT: 9.31 min Scan# 1266
 Delta R.T. -0.00 min
 Lab File: VY000031.D
 Acq: 12 Sep 2019 18:11

Tgt Ion: 93 Resp: 39795
 Ion Ratio Lower Upper
 93 100
 95 81.3 67.0 100.6
 174 85.3 68.8 103.2





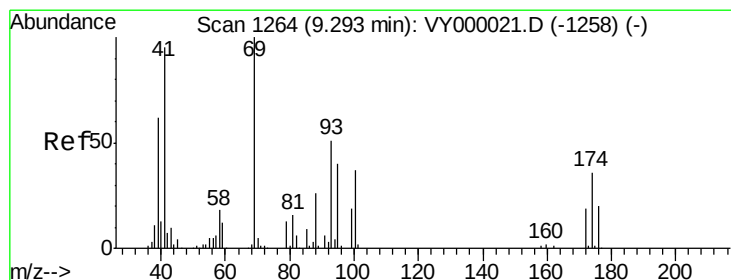
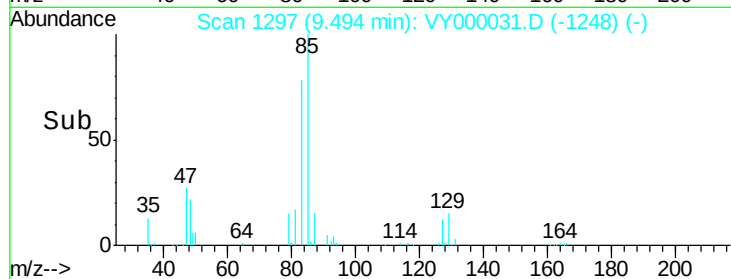
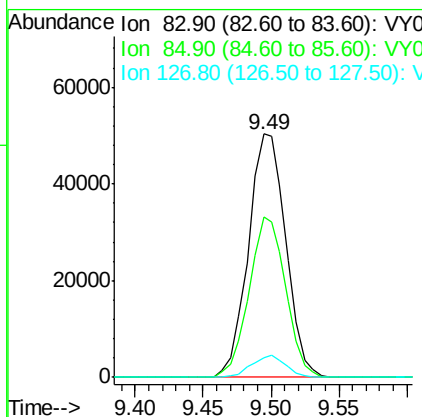
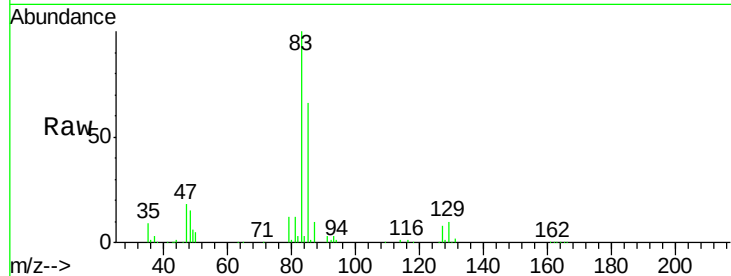
#47
Bromodichloromethane
Concen: 47.251 ug/l
RT: 9.49 min Scan# 1297
Delta R.T. 0.00 min
Lab File: VY000031.D
Acq: 12 Sep 2019 18:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	65.9	51.4	77.2	
127	8.2	5.4	8.2#	

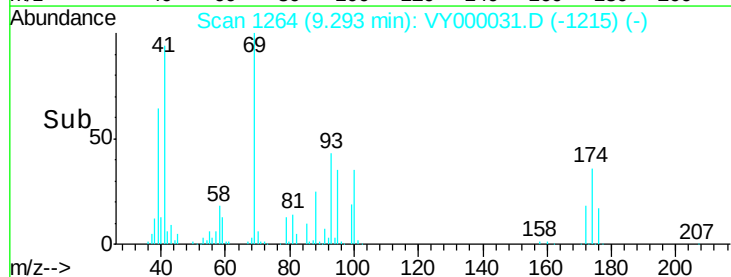
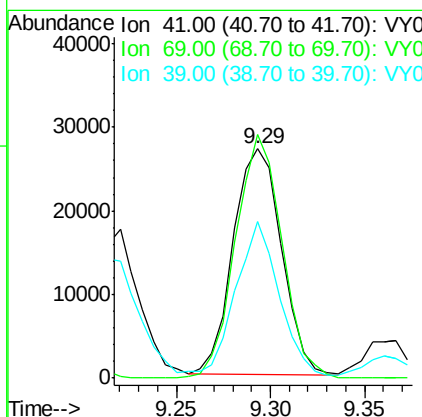
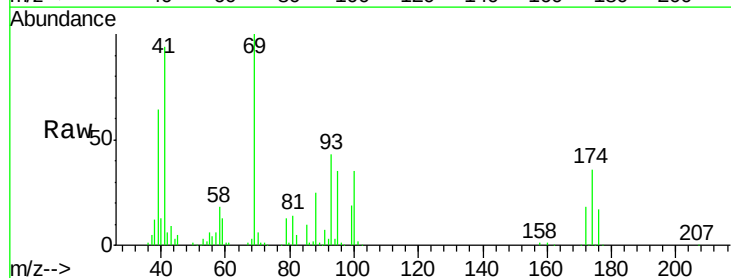
Manual Integrations
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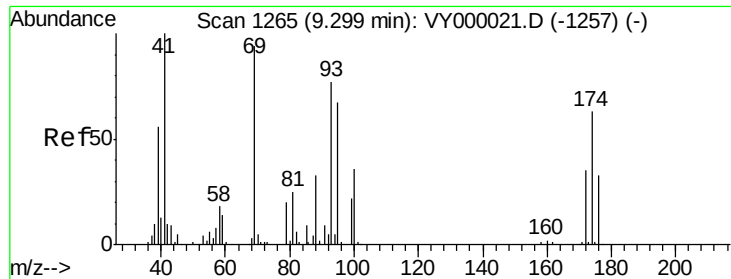
MMDadoda
9/13/2019 11:54:02 PM



#48
Methyl methacrylate
Concen: 45.258 ug/l
RT: 9.29 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VY000031.D
Acq: 12 Sep 2019 18:11

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	103.2	79.7	119.5	
39	63.6	48.6	72.8	





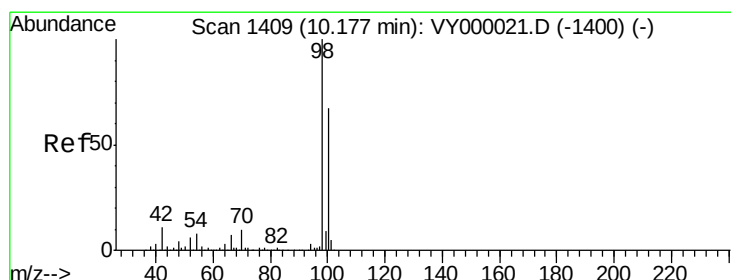
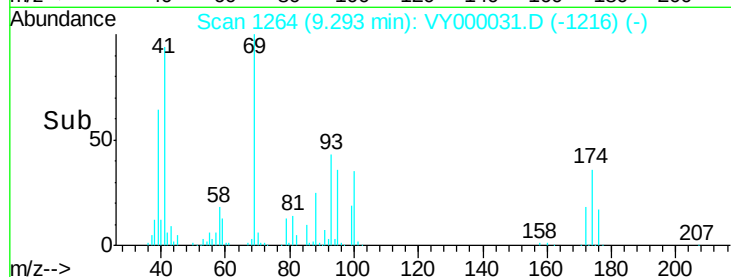
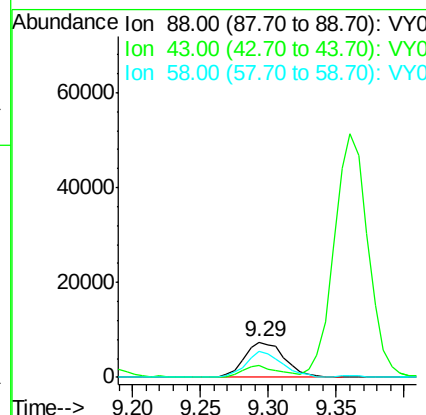
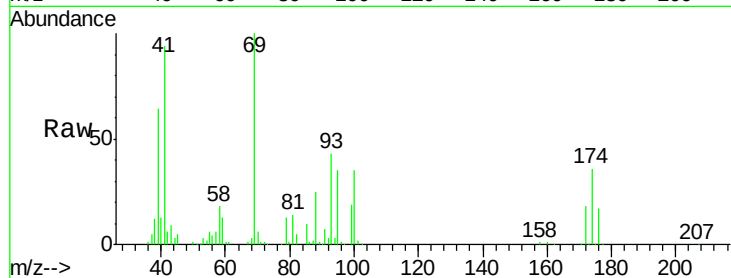
#49
1,4-Dioxane
Concen: 849.986 ug/l
RT: 9.29 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VY000031.D
Acq: 12 Sep 2019 18:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	15306
Ion	Ratio	Lower	Upper
88	100		
43	32.2	24.6	37.0
58	67.6	52.7	79.1

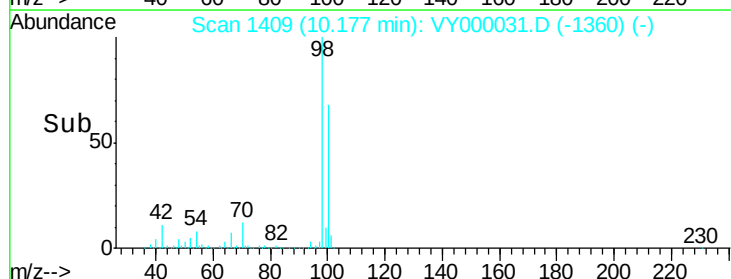
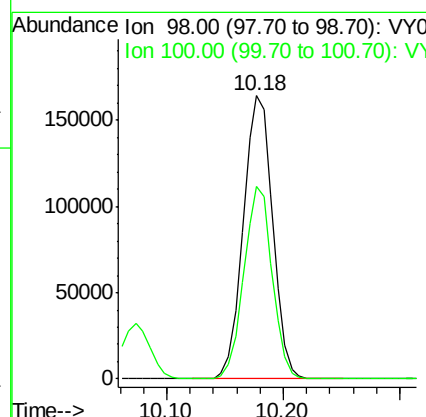
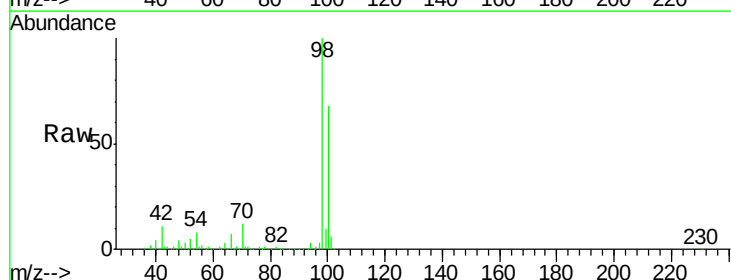
Manual Integrations
APPROVED

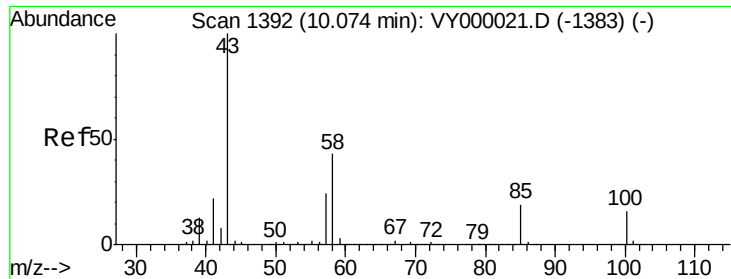
MMDadoda
9/13/2019 11:54:02 PM



#50
Toluene-d8
Concen: 49.694 ug/l
RT: 10.18 min Scan# 1409
Delta R.T. 0.00 min
Lab File: VY000031.D
Acq: 12 Sep 2019 18:11

Tgt Ion	98	Resp	288527
Ion	Ratio	Lower	Upper
98	100		
100	65.6	54.0	81.0





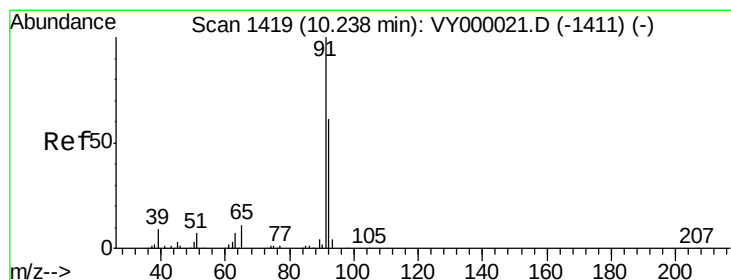
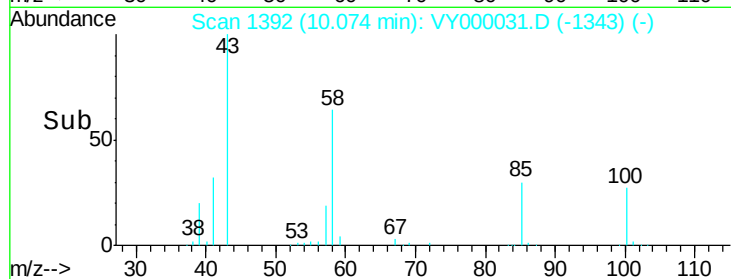
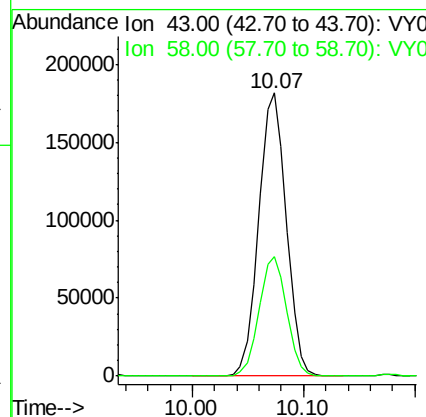
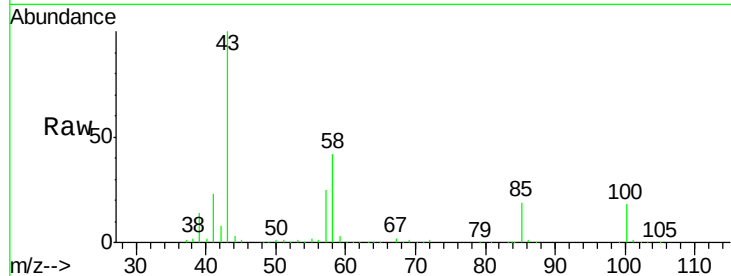
#51
4-Methyl-2-Pentanone
Concen: 231.601 ug/l
RT: 10.07 min Scan# 1392
Delta R.T. 0.00 min
Lab File: VY000031.D
Acq: 12 Sep 2019 18:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 312973
Ion Ratio Lower Upper
43 100
58 42.3 34.1 51.1

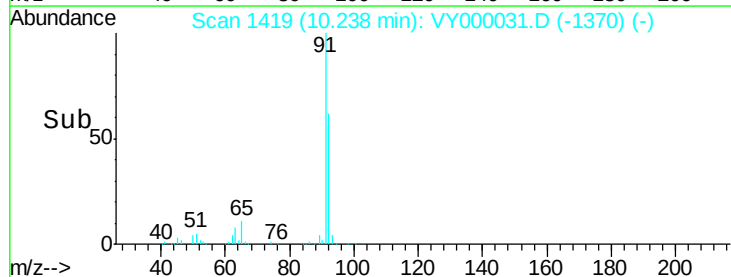
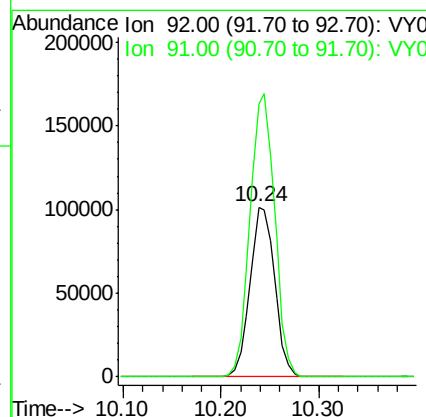
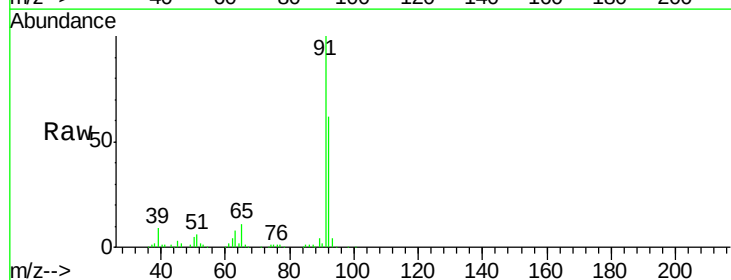
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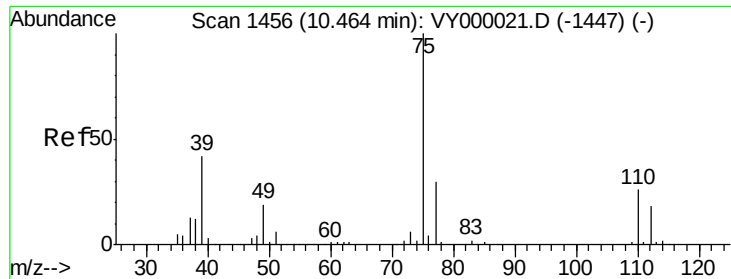
MMDadoda
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#52
Toluene
Concen: 46.790 ug/l
RT: 10.24 min Scan# 1419
Delta R.T. 0.00 min
Lab File: VY000031.D
Acq: 12 Sep 2019 18:11

Tgt Ion: 92 Resp: 176661
Ion Ratio Lower Upper
92 100
91 167.8 136.4 204.6





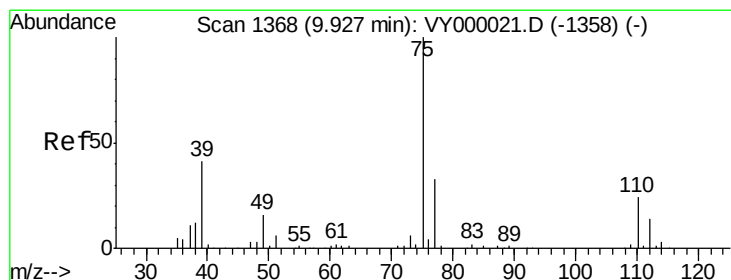
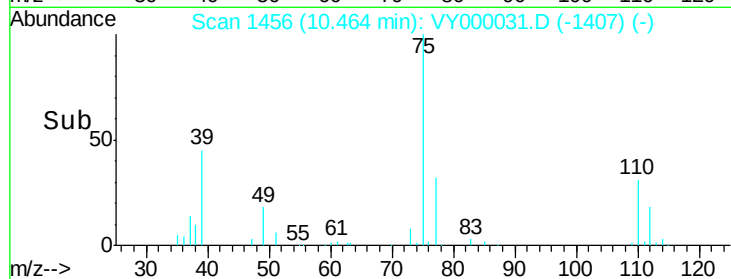
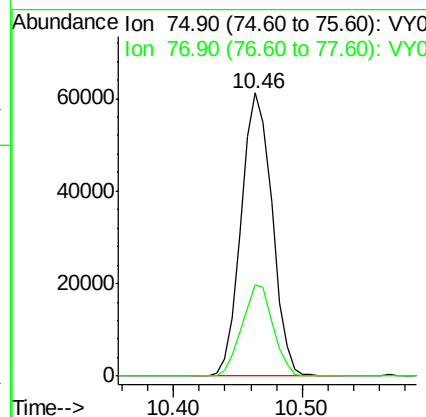
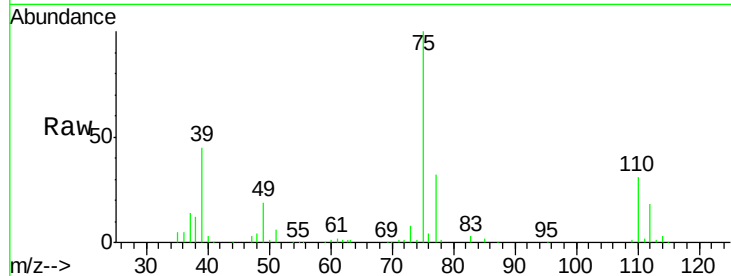
#53
t-1,3-Dichloropropene
Concen: 47.158 ug/l
RT: 10.46 min Scan# 1456
Delta R.T. 0.00 min
Lab File: VY000031.D
Acq: 12 Sep 2019 18:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 101773
Ion Ratio Lower Upper
75 100
77 32.3 23.8 35.8

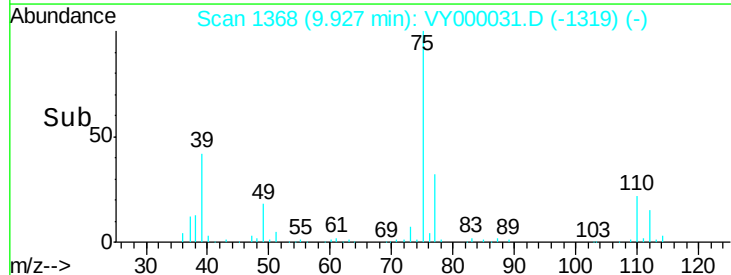
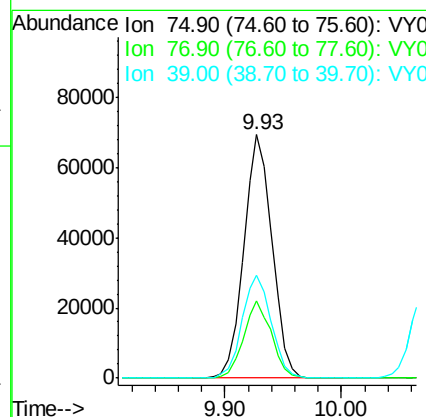
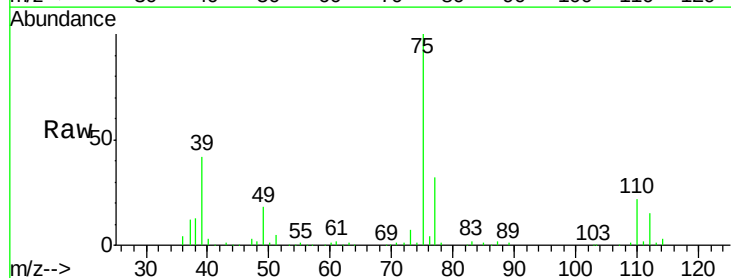
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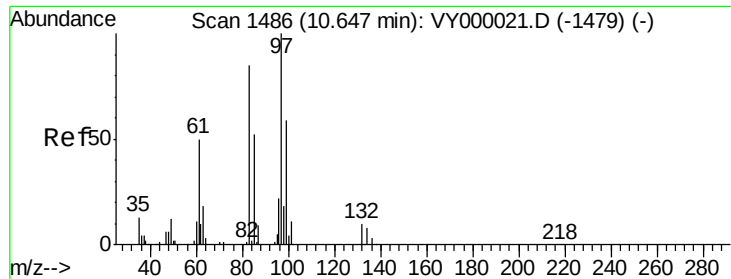
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 46.623 ug/l
RT: 9.93 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VY000031.D
Acq: 12 Sep 2019 18:11

Tgt Ion: 75 Resp: 117081
Ion Ratio Lower Upper
75 100
77 31.6 26.3 39.5
39 42.5 32.9 49.3





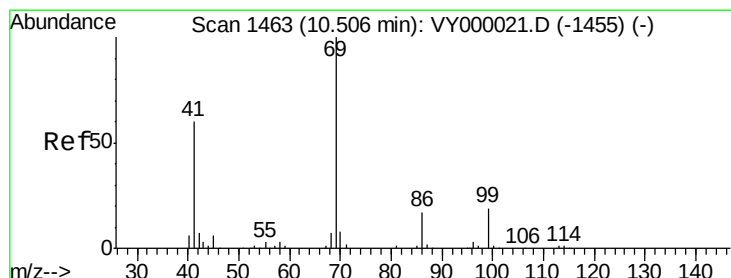
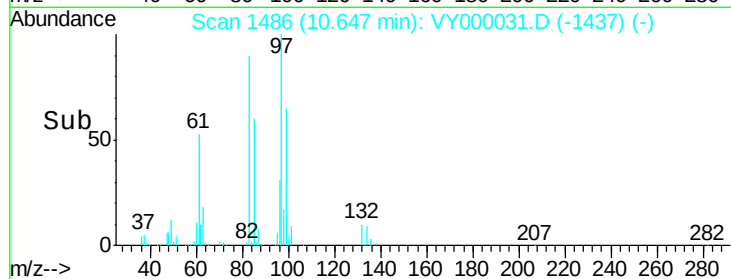
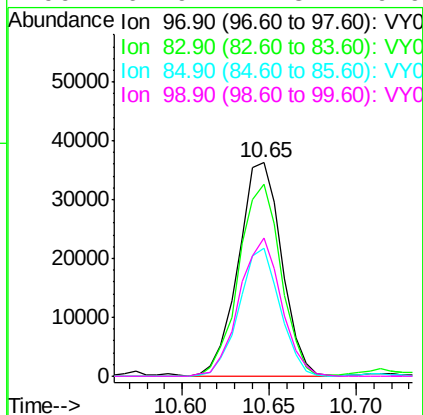
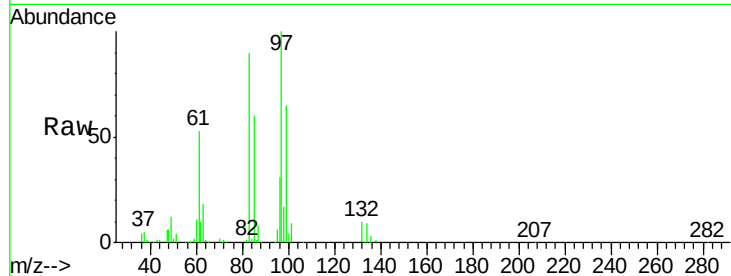
#55
 1,1,2-Trichloroethane
 Concen: 45.837 ug/l
 RT: 10.65 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VY000031.D
 Acq: 12 Sep 2019 18:11

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	62458
Ion	Ratio	Lower	Upper
97	100		
83	89.9	68.2	102.2
85	59.9	41.7	62.5
99	64.9	47.3	70.9

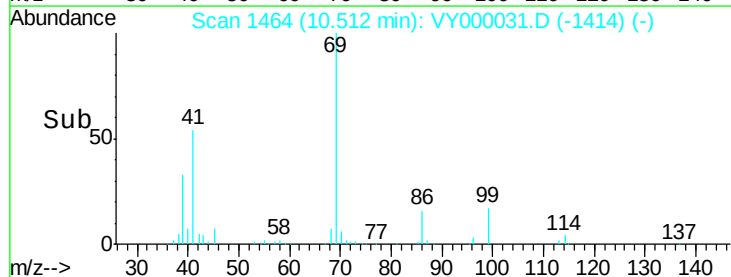
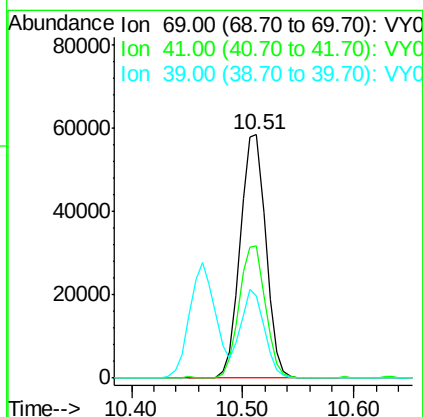
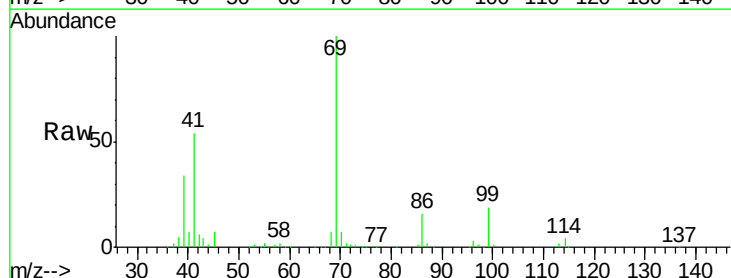
Manual Integrations
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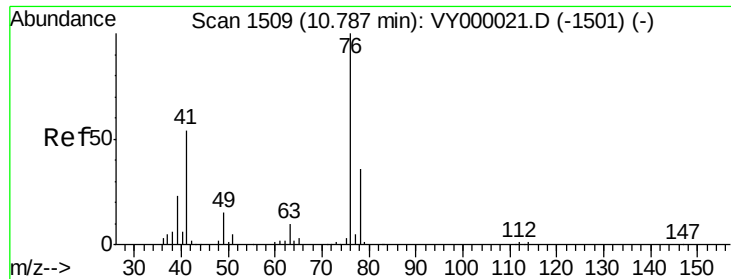
MMDadoda
 9/13/2019 11:54:02 PM



#56
 Ethyl methacrylate
 Concen: 48.643 ug/l
 RT: 10.51 min Scan# 1464
 Delta R.T. 0.01 min
 Lab File: VY000031.D
 Acq: 12 Sep 2019 18:11

Tgt Ion:	69	Resp:	93021
Ion	Ratio	Lower	Upper
69	100		
41	56.0	47.0	70.4
39	34.0	26.4	39.6





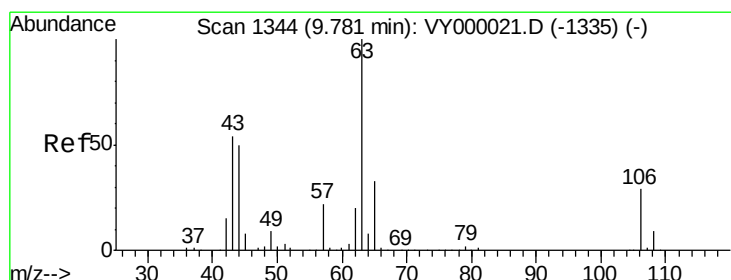
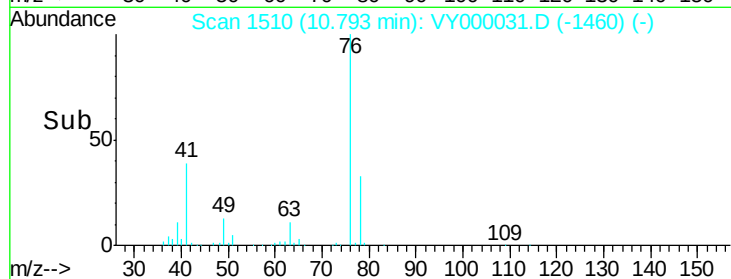
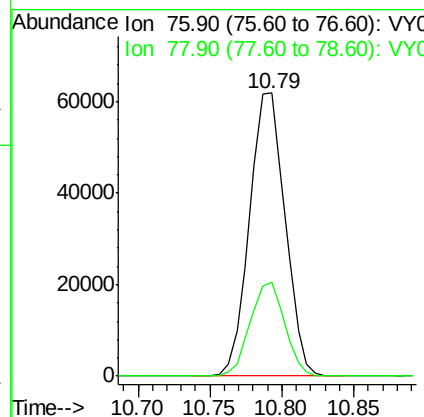
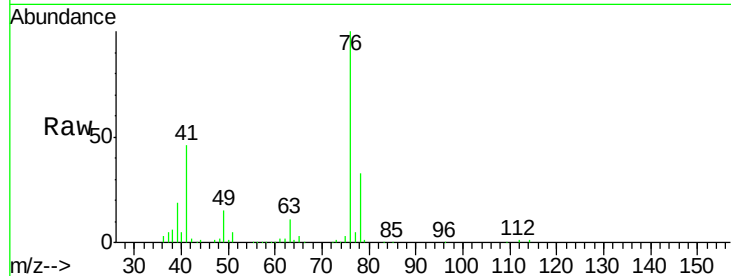
#57
 1,3-Dichloropropane
 Concen: 48.445 ug/l
 RT: 10.79 min Scan# 1510
 Delta R.T. 0.01 min
 Lab File: VY000031.D
 Acq: 12 Sep 2019 18:11

Instrument :
 MSVOA_Y
 ClientSampleID :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	26.0	39.0

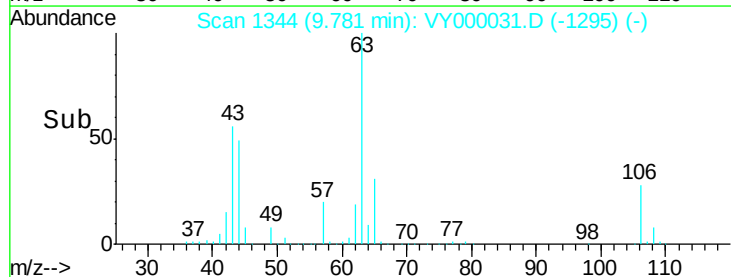
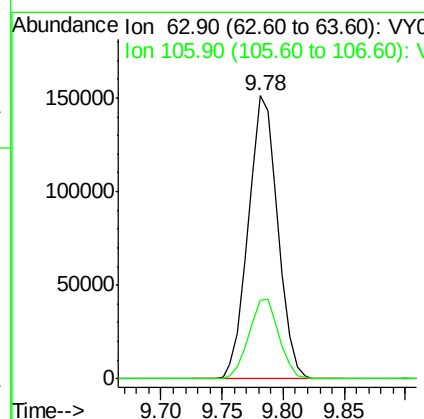
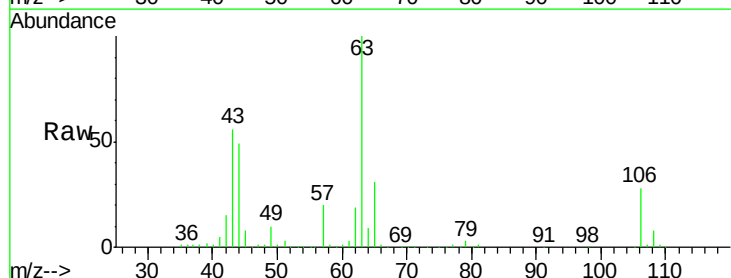
Manual Integrations
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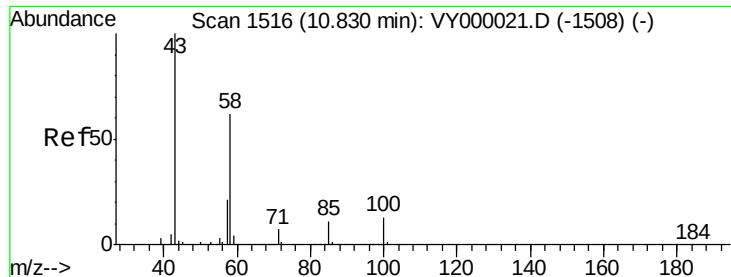
MMDadoda
 9/13/2019 11:54:02 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 241.803 ug/l
 RT: 9.78 min Scan# 1344
 Delta R.T. 0.00 min
 Lab File: VY000031.D
 Acq: 12 Sep 2019 18:11

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.7	23.7	35.5





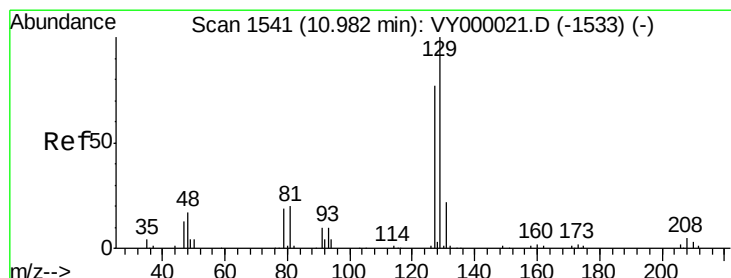
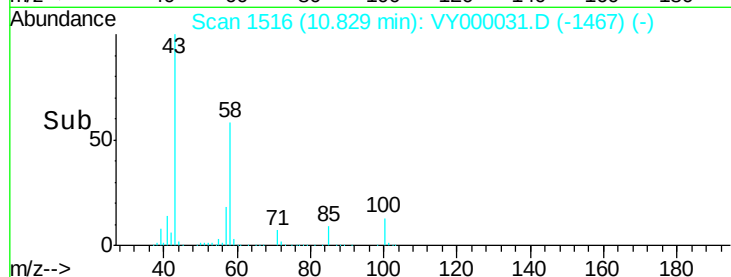
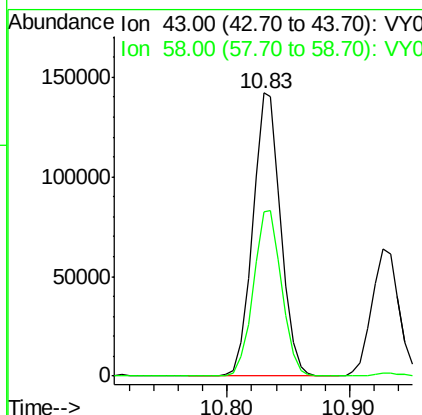
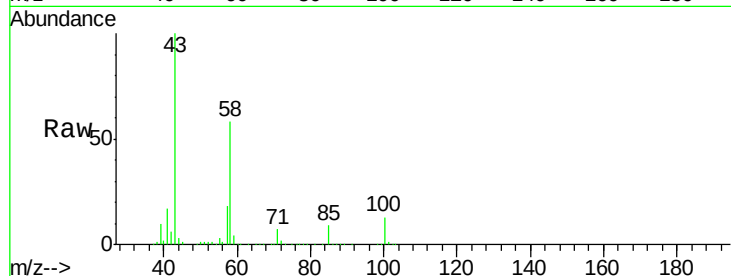
#59
2-Hexanone
Concen: 231.554 ug/l
RT: 10.83 min Scan# 1516
Delta R.T. -0.00 min
Lab File: VY000031.D
Acq: 12 Sep 2019 18:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	225491
Ion Ratio	43	100	
Lower	58	59.3	30.3
Upper			90.8

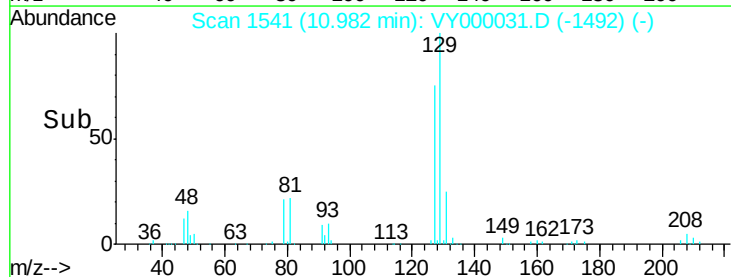
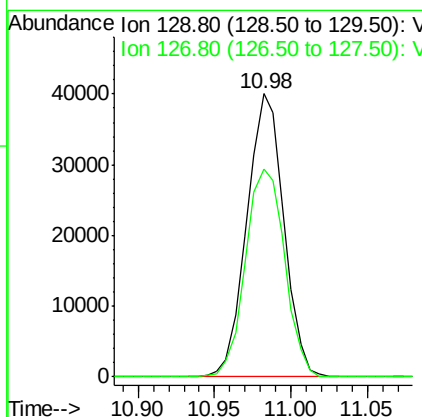
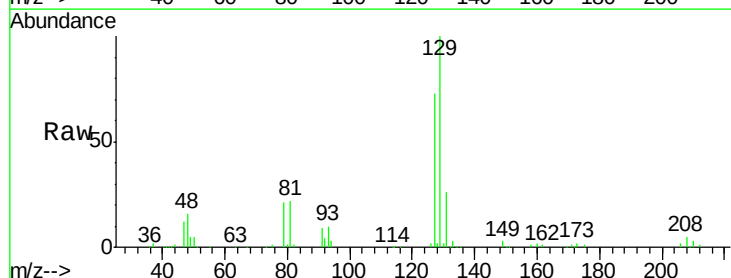
Manual Integrations
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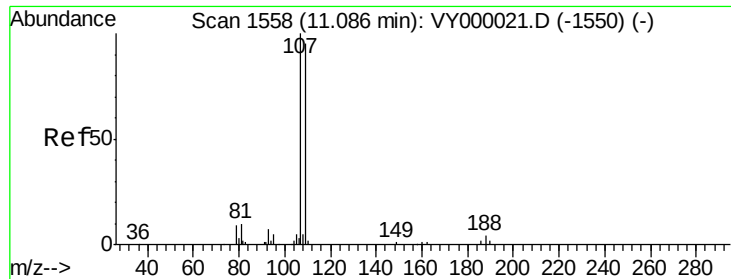
MMDadoda
9/13/2019 11:54:02 PM



#60
Dibromochloromethane
Concen: 46.873 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VY000031.D
Acq: 12 Sep 2019 18:11

Tgt Ion	129	Resp	67298
Ion Ratio	129	100	
Lower	127	77.7	38.4
Upper			115.2





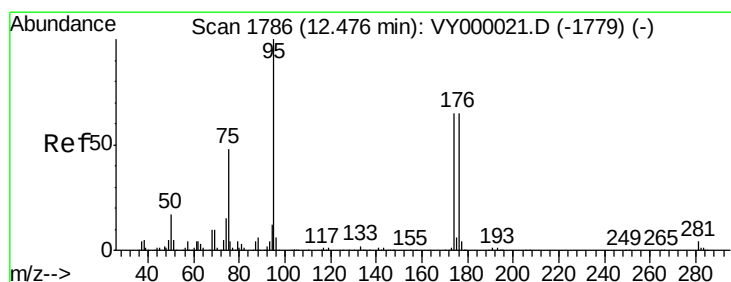
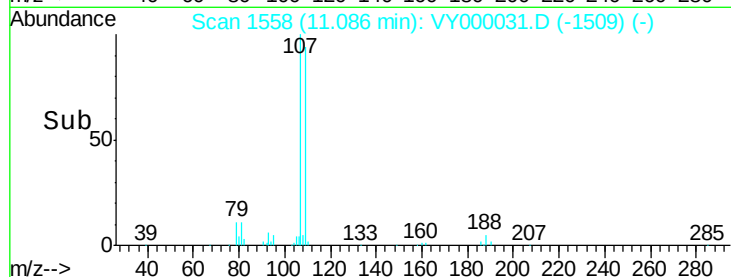
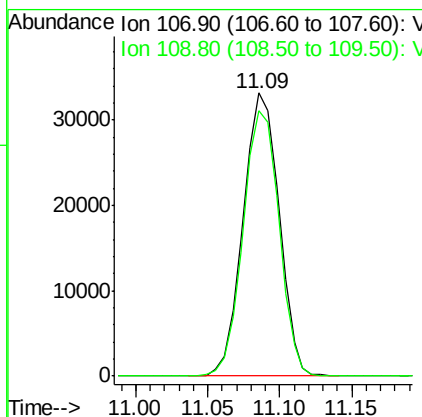
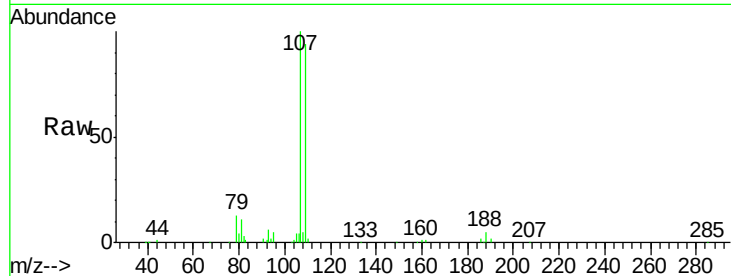
#61
1,2-Dibromoethane
Concen: 47.714 ug/l
RT: 11.09 min Scan# 1558
Delta R.T. 0.00 min
Lab File: VY000031.D
Acq: 12 Sep 2019 18:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 107 Resp: 57424
Ion Ratio Lower Upper
107 100
109 93.7 76.7 115.1

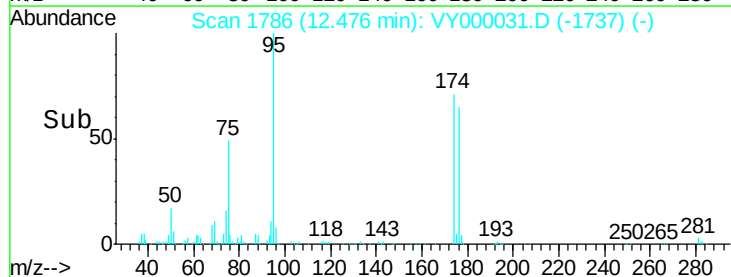
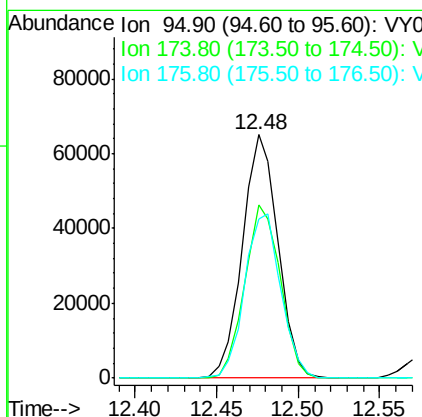
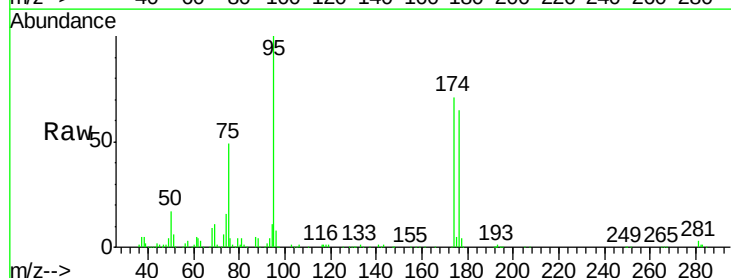
Manual Integrations
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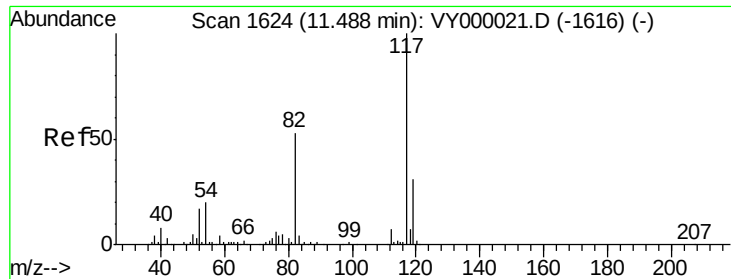
MMDadoda
9/13/2019 11:54:02 PM



#62
4-Bromofluorobenzene
Concen: 46.788 ug/l
RT: 12.48 min Scan# 1786
Delta R.T. 0.00 min
Lab File: VY000031.D
Acq: 12 Sep 2019 18:11

Tgt Ion: 95 Resp: 98737
Ion Ratio Lower Upper
95 100
174 71.0 0.0 137.6
176 68.8 0.0 134.8





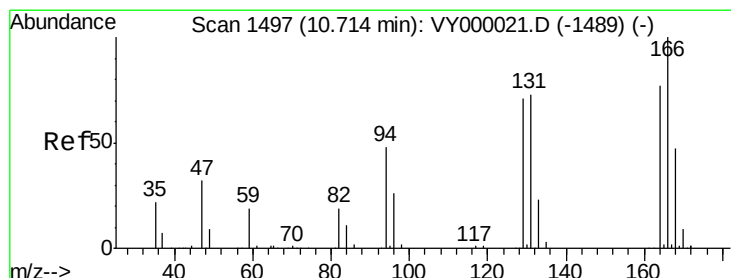
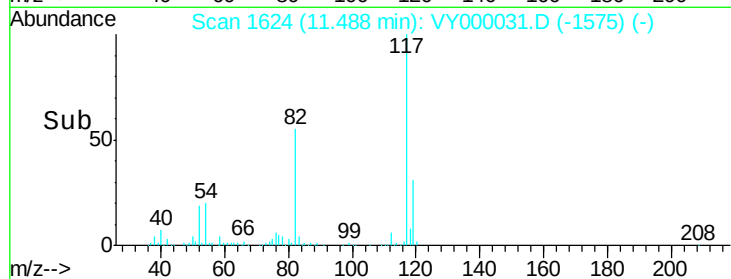
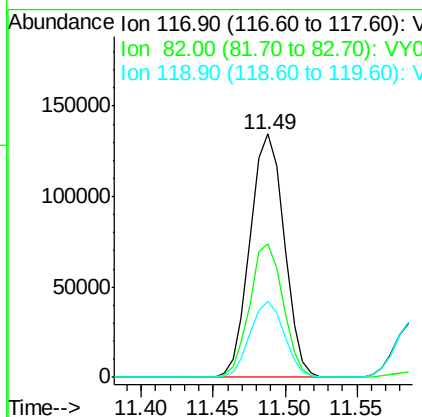
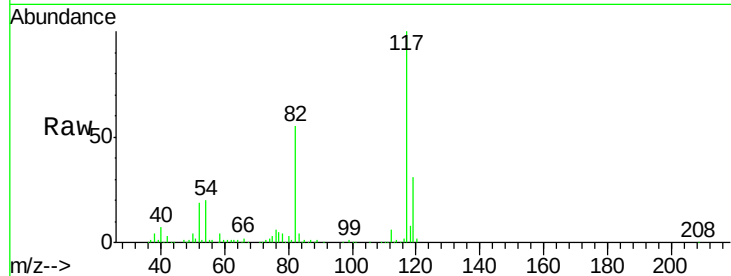
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1624
Delta R.T. 0.00 min
Lab File: VY000031.D
Acq: 12 Sep 2019 18:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.1	42.5	63.7
119	31.1	25.1	37.7

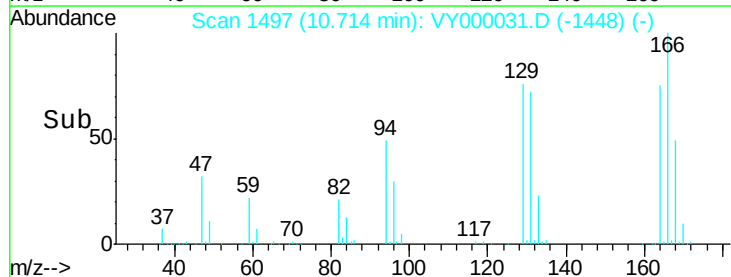
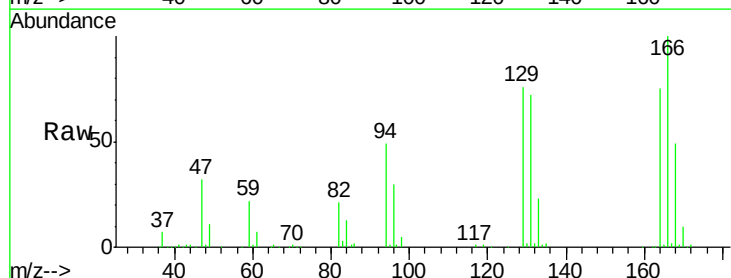
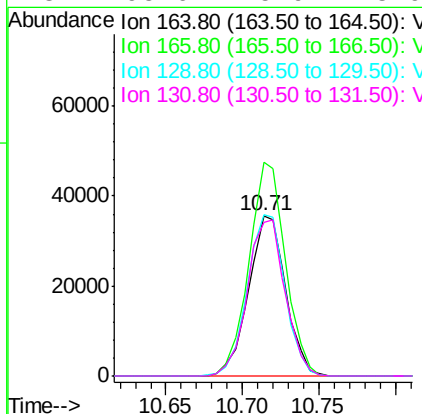
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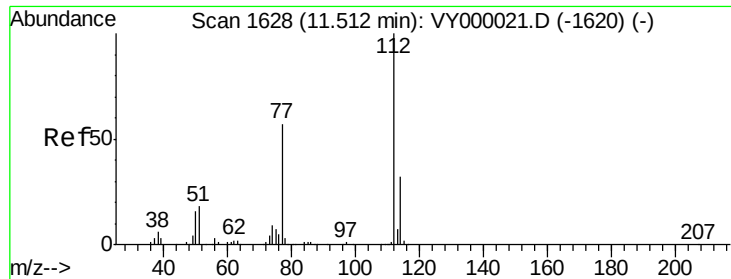
MMDadoda
9/13/2019 11:54:02 PM



#64
Tetrachloroethene
Concen: 44.181 ug/l
RT: 10.71 min Scan# 1497
Delta R.T. -0.00 min
Lab File: VY000031.D
Acq: 12 Sep 2019 18:11

Tgt Ion	Ratio	Lower	Upper
164	100		
166	133.2	103.4	155.0
129	100.9	73.4	110.0
131	95.6	75.9	113.9





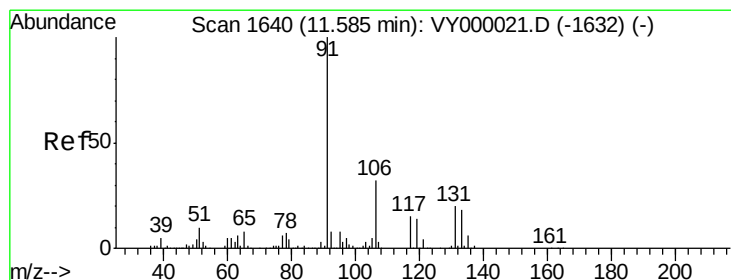
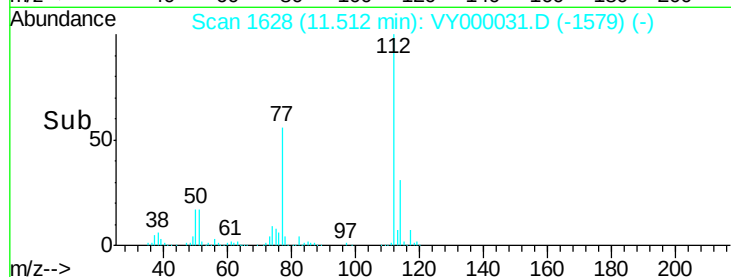
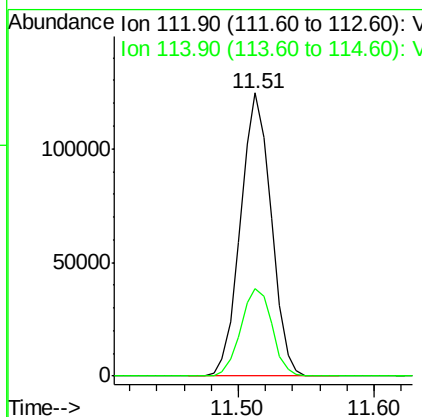
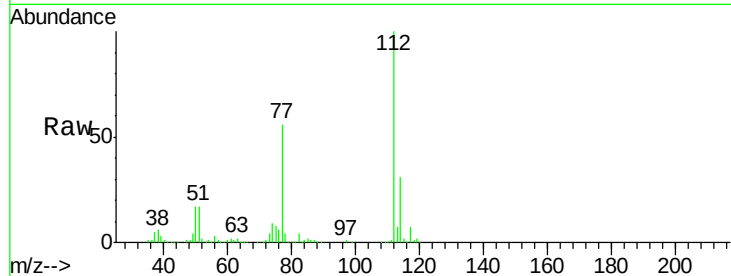
#65
Chlorobenzene
Concen: 46.676 ug/l
RT: 11.51 min Scan# 1628
Delta R.T. 0.00 min
Lab File: VY000031.D
Acq: 12 Sep 2019 18:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
112	100	196532		
114	31.1	25.4	38.2	

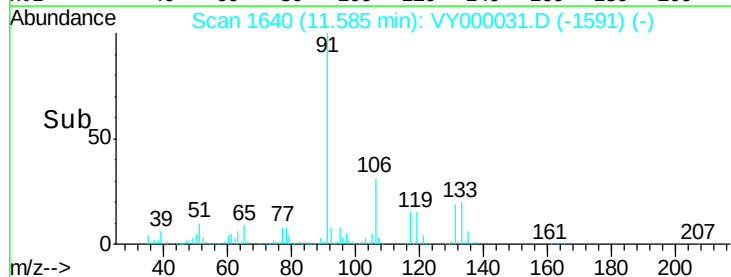
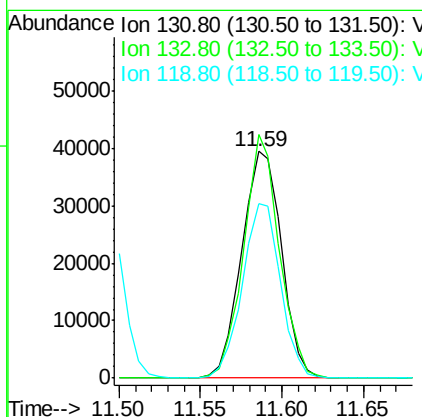
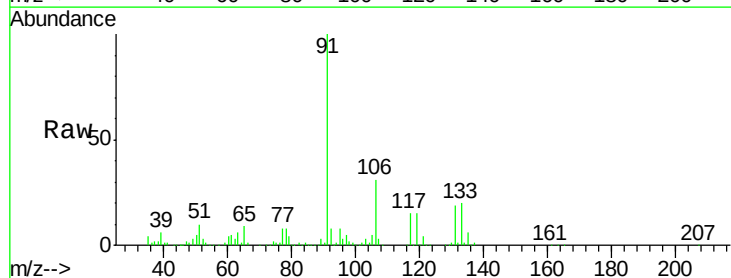
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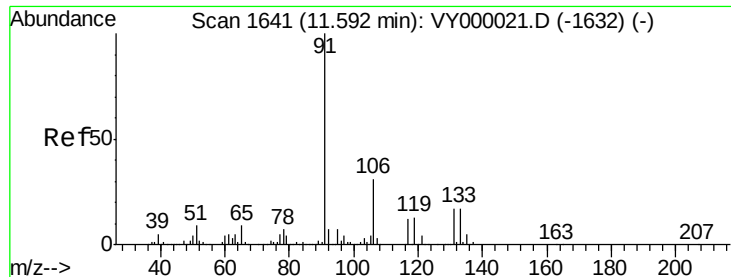
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#66
1,1,1,2-Tetrachloroethane
Concen: 46.026 ug/l
RT: 11.59 min Scan# 1640
Delta R.T. 0.00 min
Lab File: VY000031.D
Acq: 12 Sep 2019 18:11

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	67148		
133	97.0	47.2	141.6	
119	73.9	35.4	106.3	





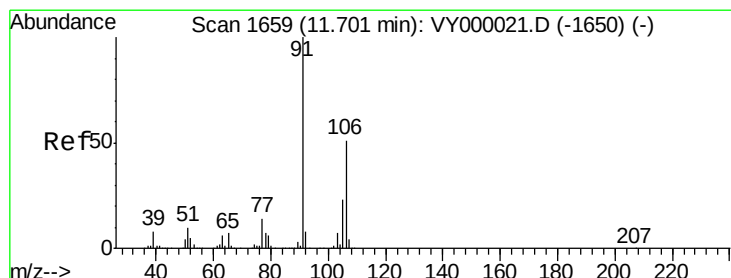
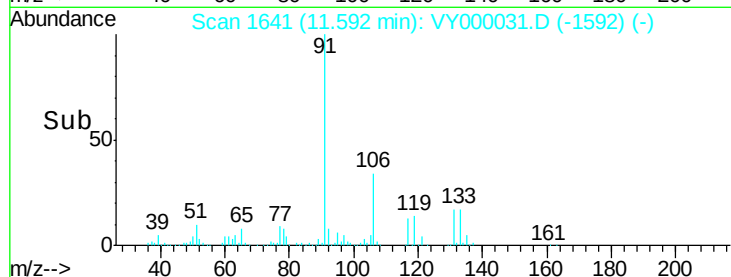
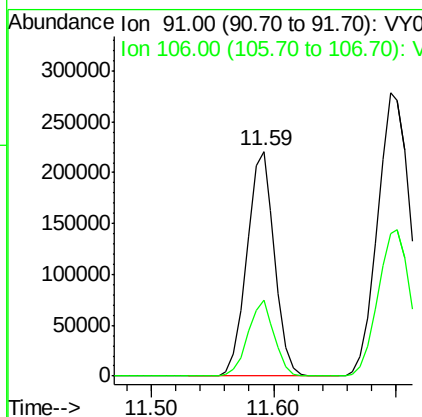
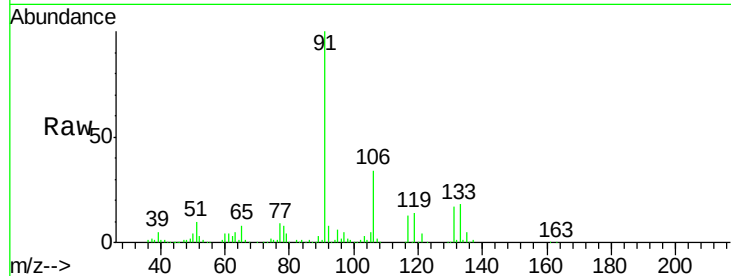
#67
Ethyl Benzene
Concen: 44.876 ug/l
RT: 11.59 min Scan# 1641
Delta R.T. 0.00 min
Lab File: VY000031.D
Acq: 12 Sep 2019 18:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 343269
Ion Ratio Lower Upper
91 100
106 33.8 24.6 37.0

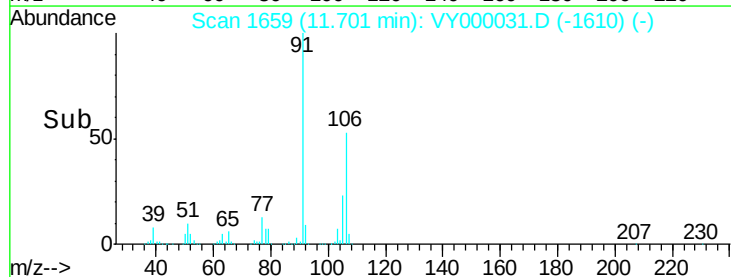
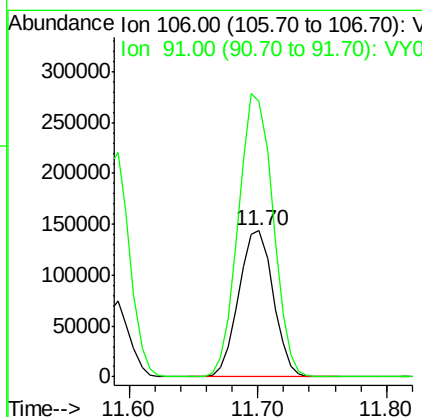
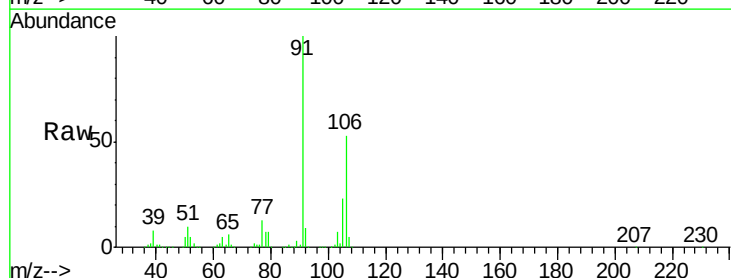
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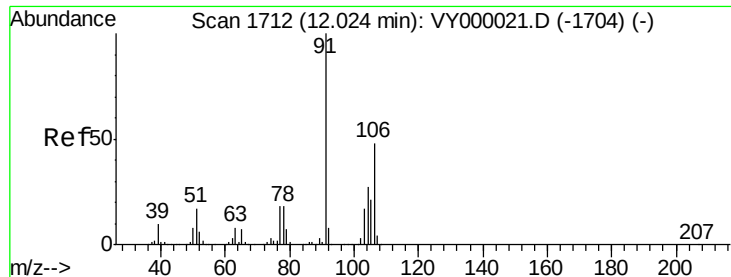
MMDadoda
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#68
m/p-Xylenes
Concen: 92.441 ug/l
RT: 11.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VY000031.D
Acq: 12 Sep 2019 18:11

Tgt Ion: 106 Resp: 266830
Ion Ratio Lower Upper
106 100
91 195.0 158.5 237.7





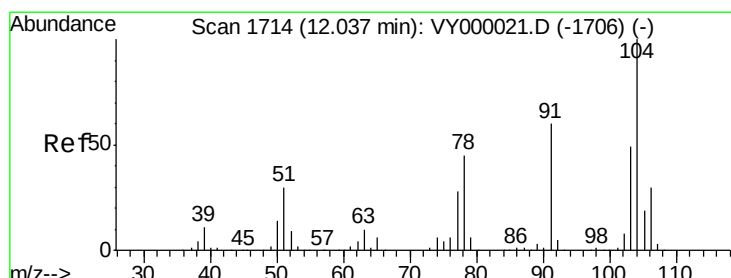
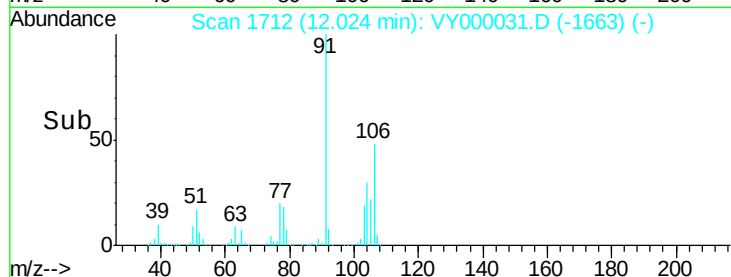
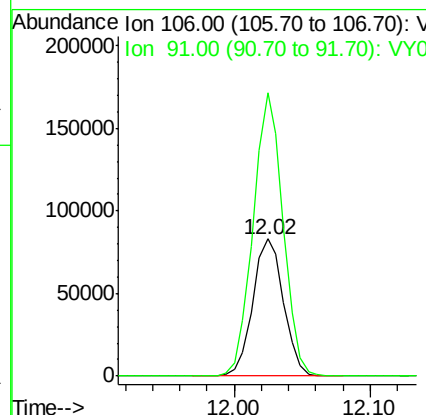
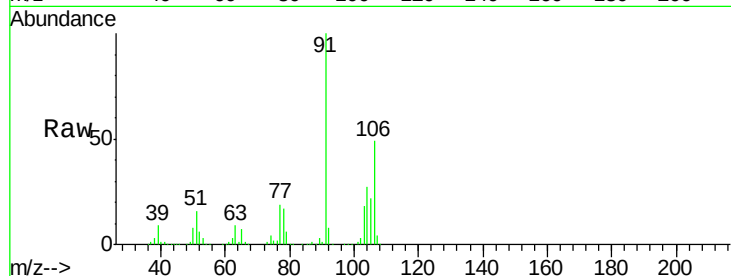
#69
o-Xylene
Concen: 46.485 ug/l
RT: 12.02 min Scan# 1712
Delta R.T. 0.00 min
Lab File: VY000031.D
Acq: 12 Sep 2019 18:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	200.4	104.0	312.0		

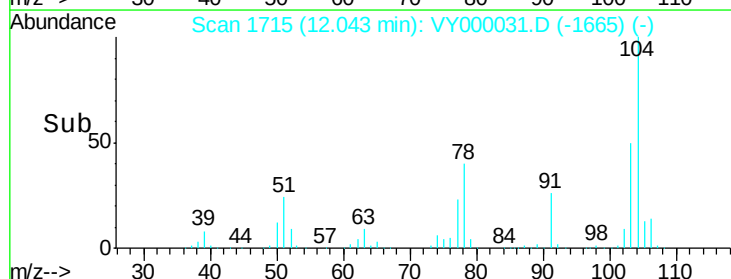
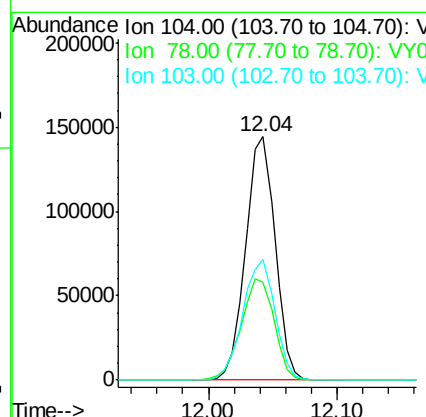
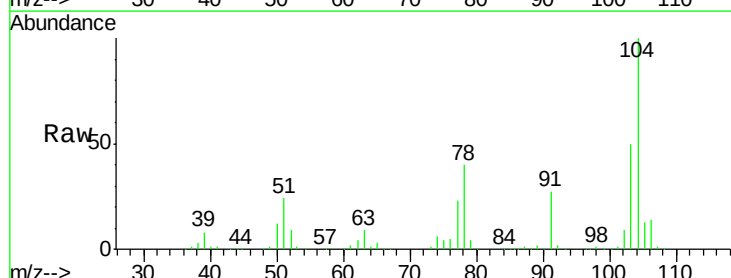
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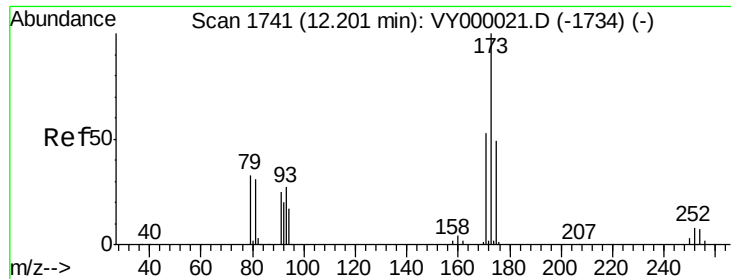
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#70
Styrene
Concen: 46.348 ug/l
RT: 12.04 min Scan# 1715
Delta R.T. 0.01 min
Lab File: VY000031.D
Acq: 12 Sep 2019 18:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	46.6	38.0	57.0		
103	54.2	42.4	63.6		





#71

Bromoform

Concen: 45.802 ug/l

RT: 12.20 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VY000031.D

Acq: 12 Sep 2019 18:11

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 40347

Ion Ratio Lower Upper

173 100

175 48.7 25.1 75.4

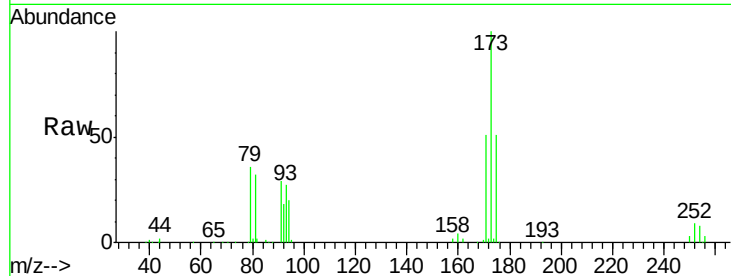
254 0.1 0.0 0.0#

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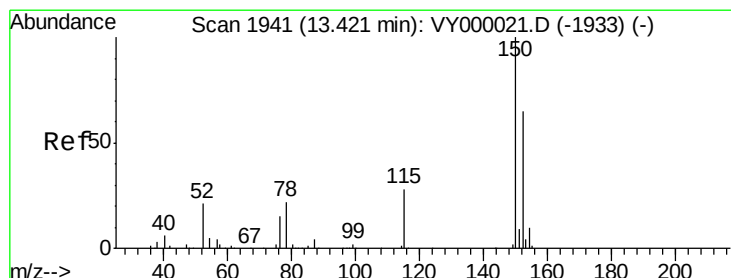
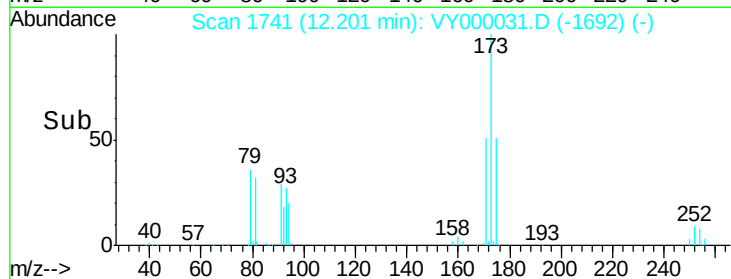
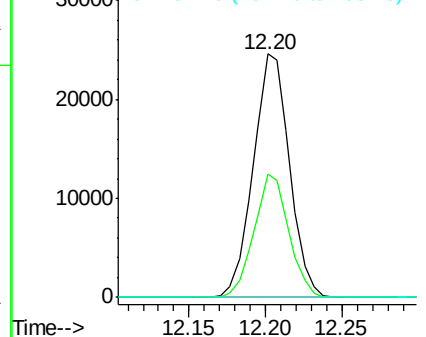
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1941

Delta R.T. 0.00 min

Lab File: VY000031.D

Acq: 12 Sep 2019 18:11

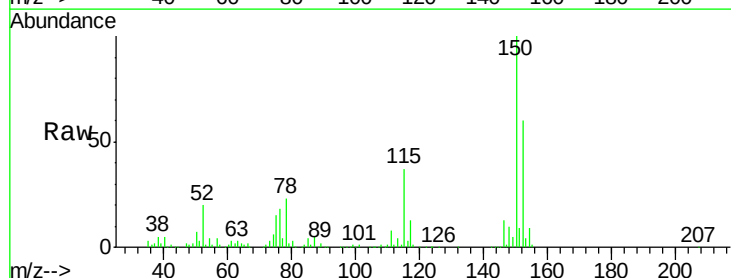
Tgt Ion:152 Resp: 96092

Ion Ratio Lower Upper

152 100

115 61.5 29.4 88.2

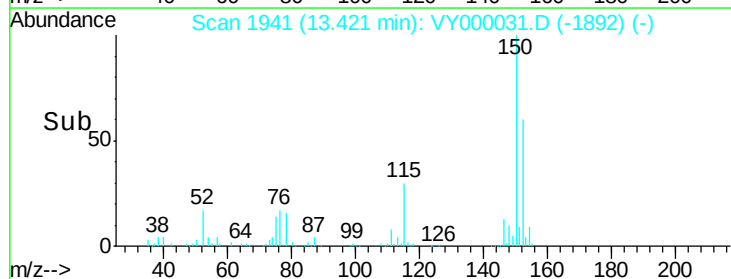
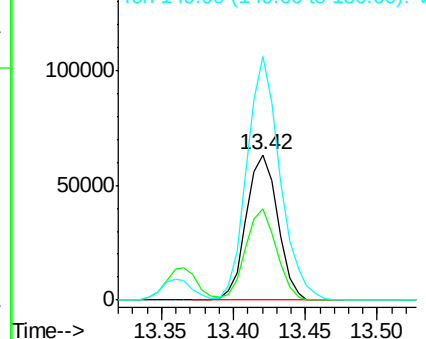
150 175.8 0.0 349.0

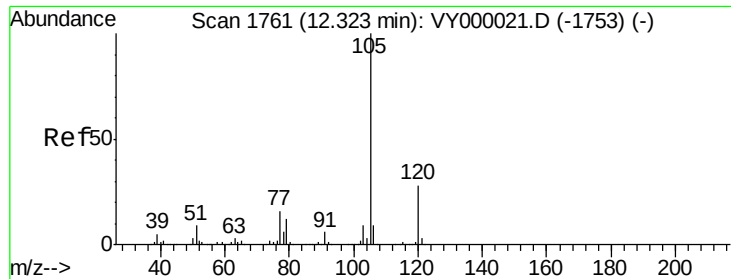


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 46.693 ug/l

RT: 12.32 min Scan# 1761

Delta R.T. -0.00 min

Lab File: VY000031.D

Acq: 12 Sep 2019 18:11

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 342829

Ion Ratio Lower Upper

105 100

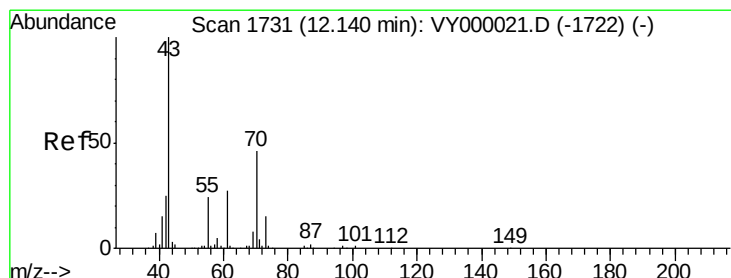
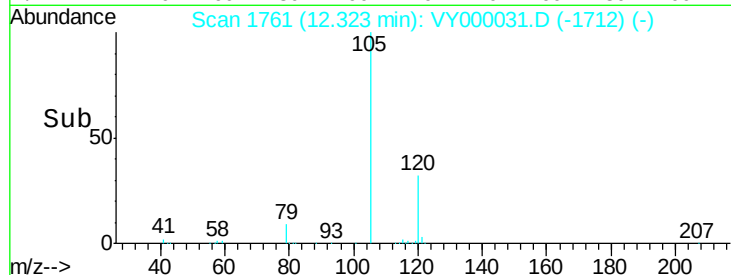
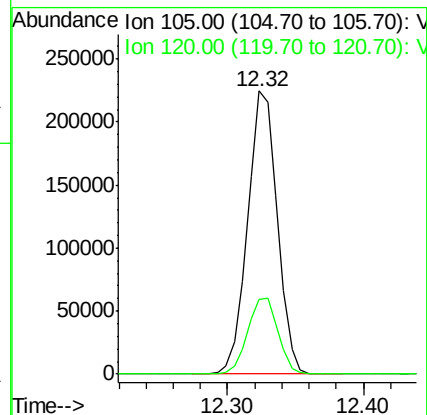
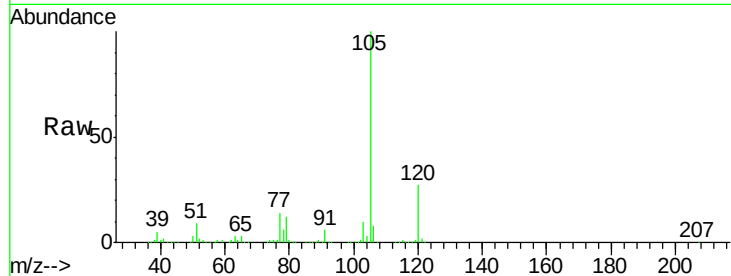
120 27.5 13.9 41.6

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#74

N-ethyl acetate

Concen: 47.522 ug/l

RT: 12.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VY000031.D

Acq: 12 Sep 2019 18:11

Tgt Ion: 43 Resp: 102996

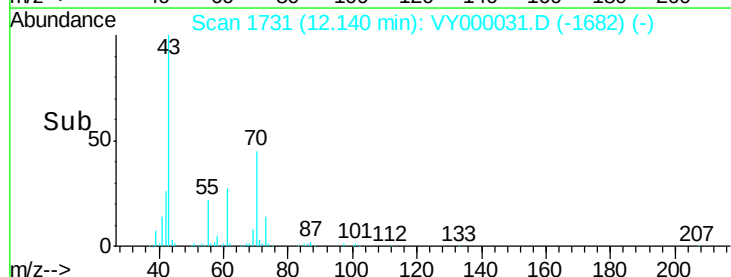
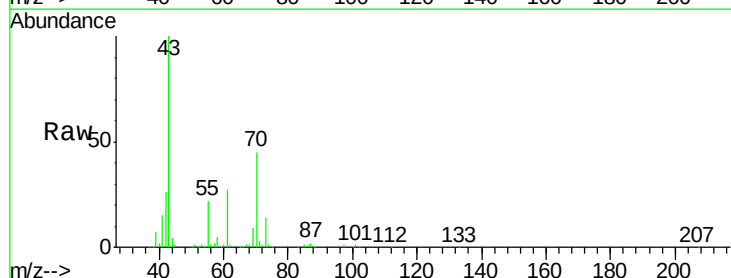
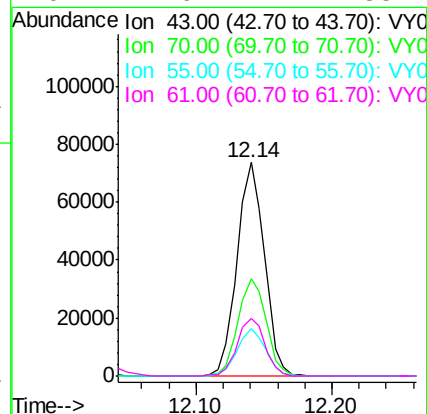
Ion Ratio Lower Upper

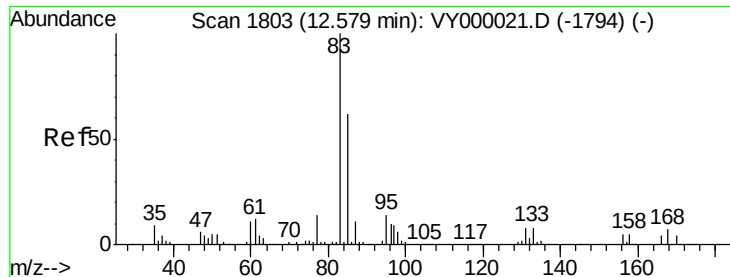
43 100

70 46.9 38.1 57.1

55 23.1 18.7 28.1

61 27.6 22.1 33.1





#75

1,1,2,2-Tetrachloroethane

Concen: 47.173 ug/l

RT: 12.58 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VY000031.D

Acq: 12 Sep 2019 18:11

Instrument :

MSVOA_Y

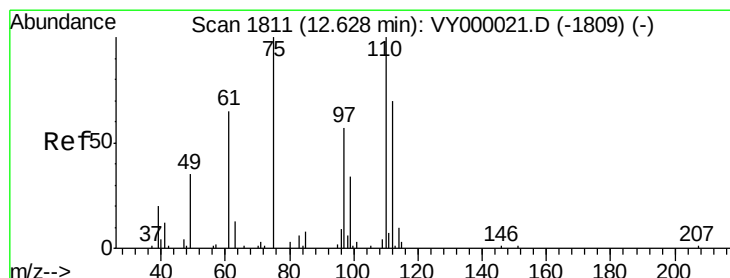
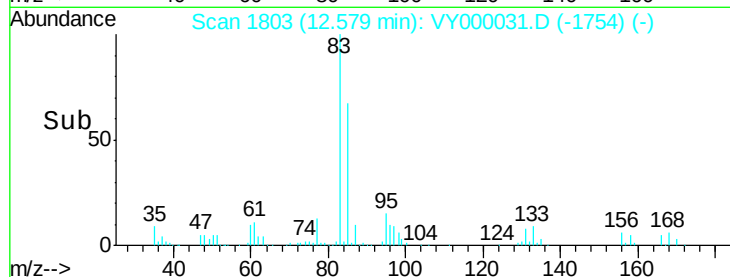
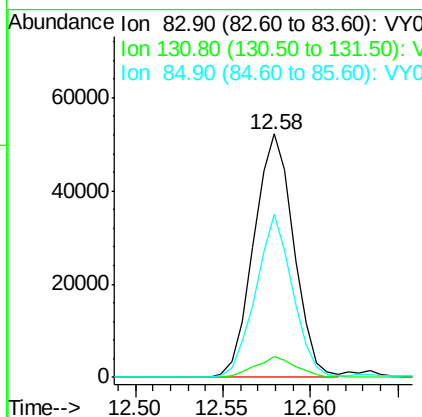
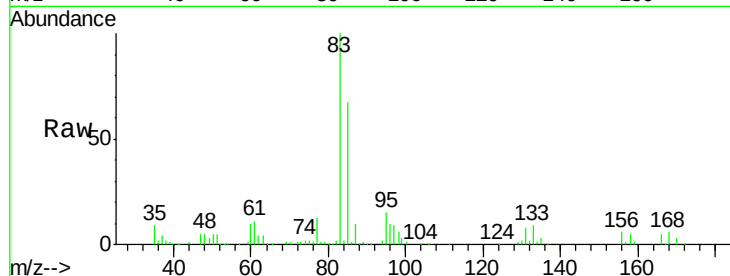
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	82809
Ion Ratio	Lower	Upper	
83	100		
131	8.6	4.6	13.8
85	62.0	31.8	95.3

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#76

1,2,3-Trichloropropane

Concen: 34.908 ug/l m

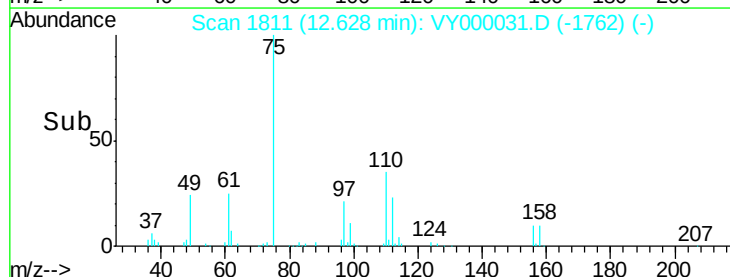
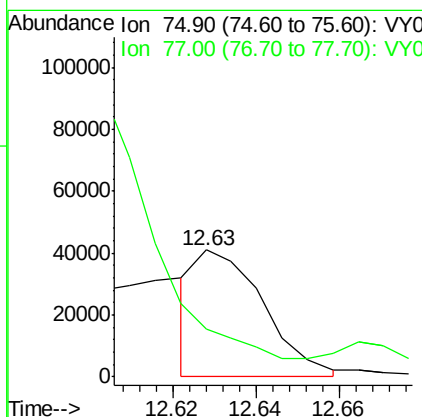
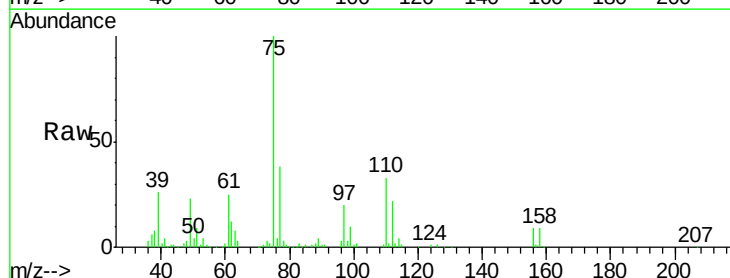
RT: 12.63 min Scan# 1811

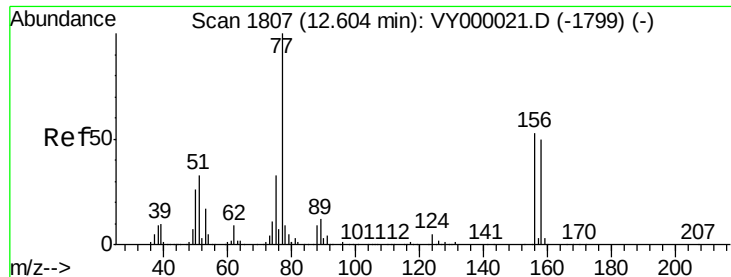
Delta R.T. 0.00 min

Lab File: VY000031.D

Acq: 12 Sep 2019 18:11

Tgt Ion:	75	Resp:	46591
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 48.230 ug/l

RT: 12.60 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VY000031.D

Acq: 12 Sep 2019 18:11

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 74908

Ion Ratio Lower Upper

156 100

77 208.3 106.0 317.9

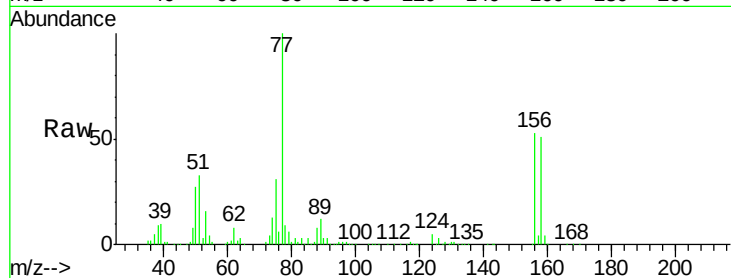
158 97.1 47.3 141.9

Manual Integrations

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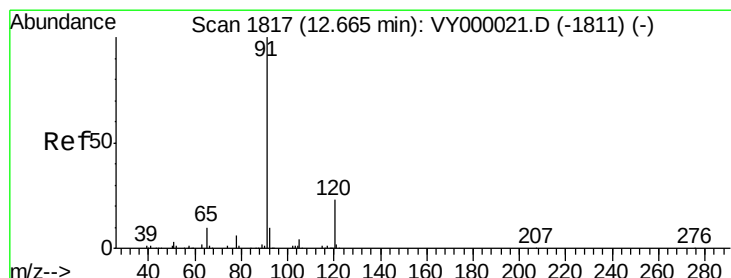
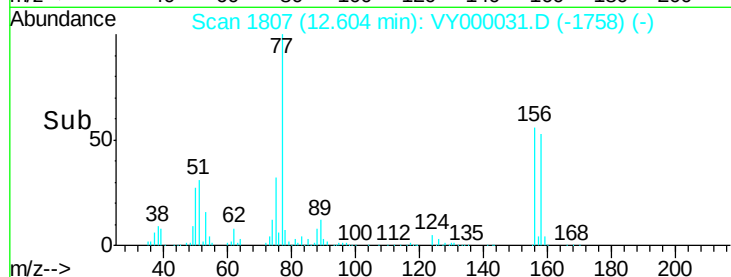
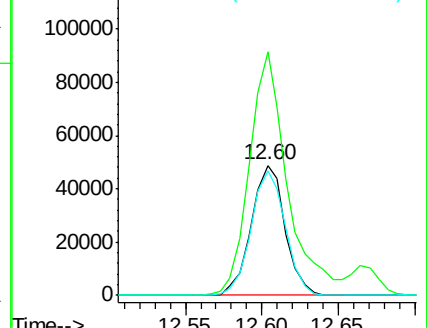
9/13/2019 11:54:02 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 46.753 ug/l

RT: 12.66 min Scan# 1817

Delta R.T. 0.00 min

Lab File: VY000031.D

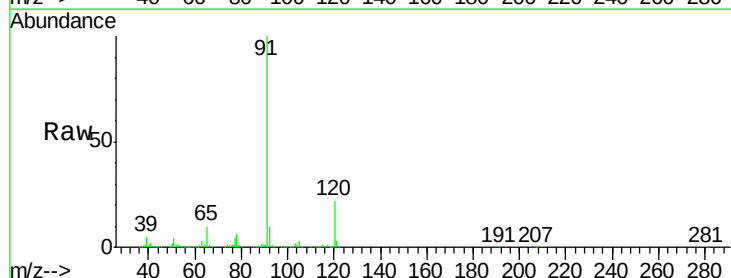
Acq: 12 Sep 2019 18:11

Tgt Ion: 91 Resp: 419504

Ion Ratio Lower Upper

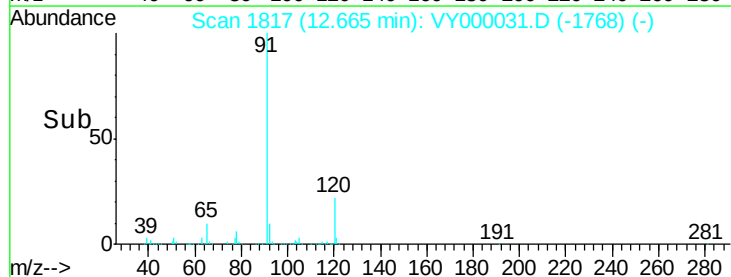
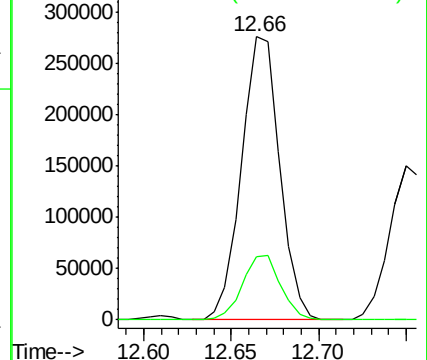
91 100

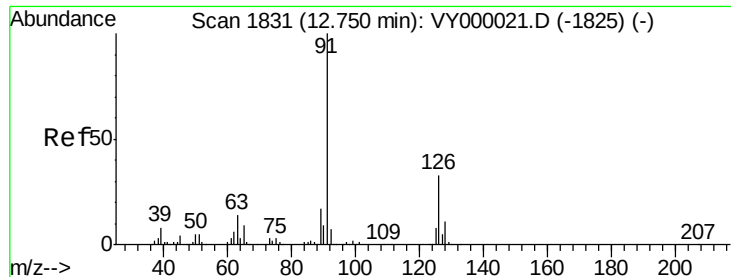
120 22.7 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 46.491 ug/l

RT: 12.75 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VY000031.D

Acq: 12 Sep 2019 18:11

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 233265

Ion Ratio Lower Upper

91 100

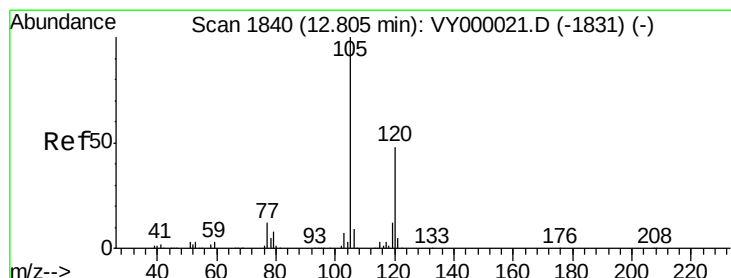
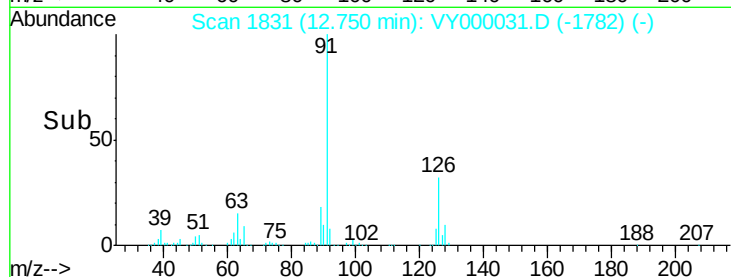
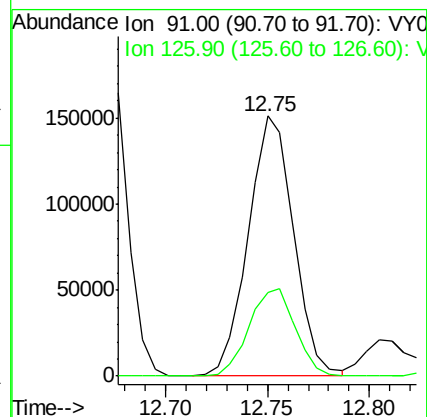
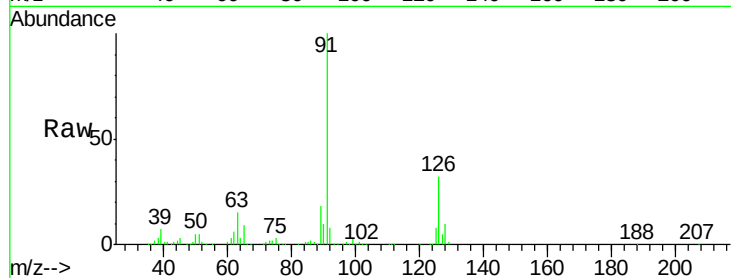
126 34.2 16.9 50.7

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#80

1,3,5-Trimethylbenzene

Concen: 46.773 ug/l

RT: 12.80 min Scan# 1840

Delta R.T. 0.00 min

Lab File: VY000031.D

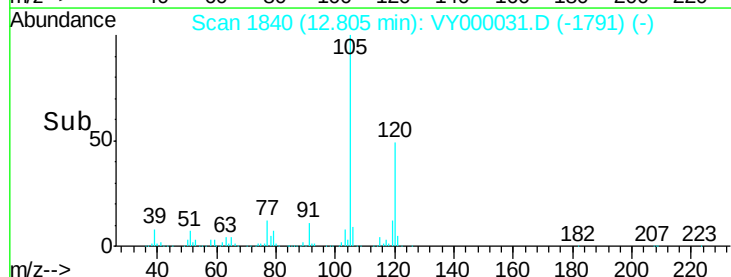
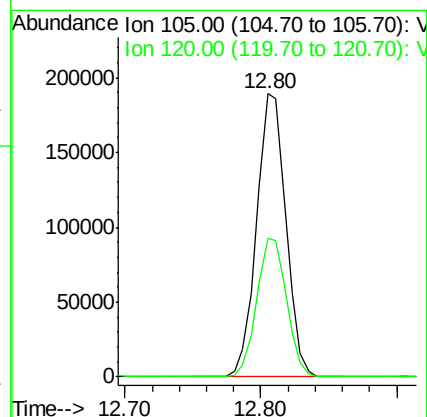
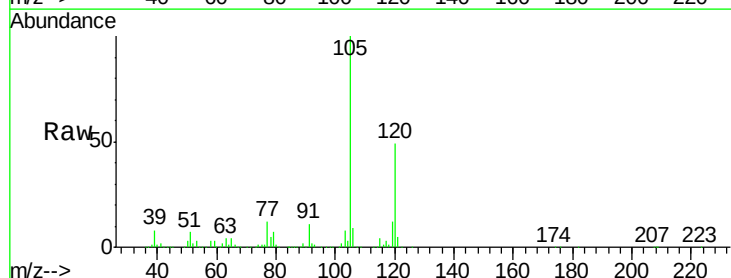
Acq: 12 Sep 2019 18:11

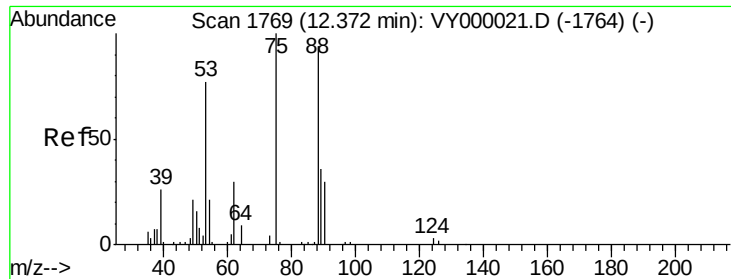
Tgt Ion: 105 Resp: 286738

Ion Ratio Lower Upper

105 100

120 49.9 24.3 73.0





#81

trans-1,4-Dichloro-2-butene

Concen: 45.903 ug/l

RT: 12.38 min Scan# 1770

Delta R.T. 0.01 min

Lab File: VY000031.D

Acq: 12 Sep 2019 18:11

Instrument :

MSVOA_Y

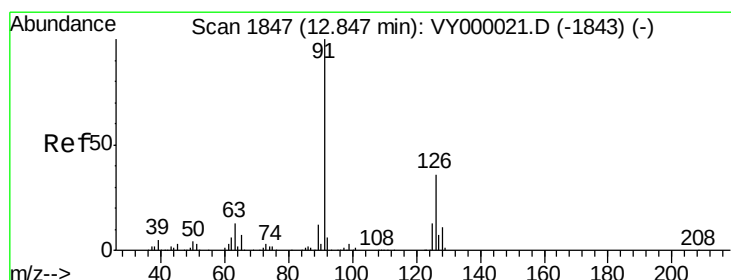
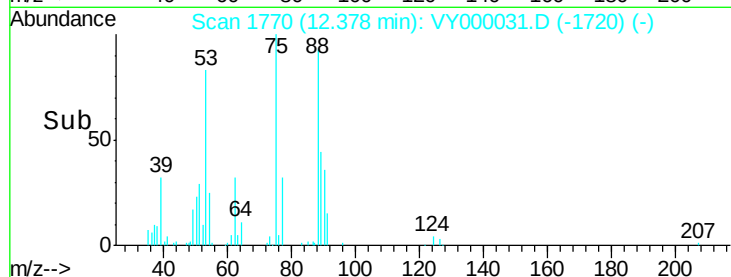
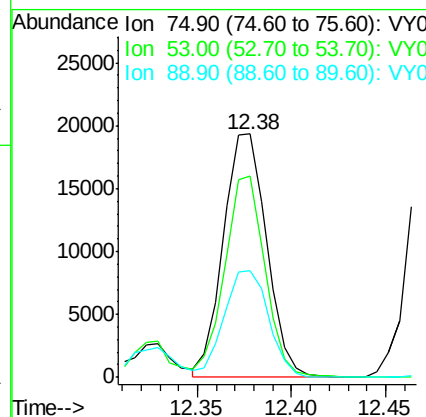
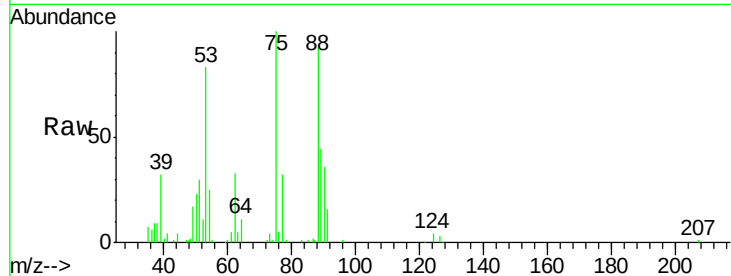
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	30887
Ion Ratio	Lower	Upper	
75	100		
53	77.1	64.2	96.2
89	45.1	35.5	53.3

Manual Integrations
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#82

4-Chlorotoluene

Concen: 45.901 ug/l

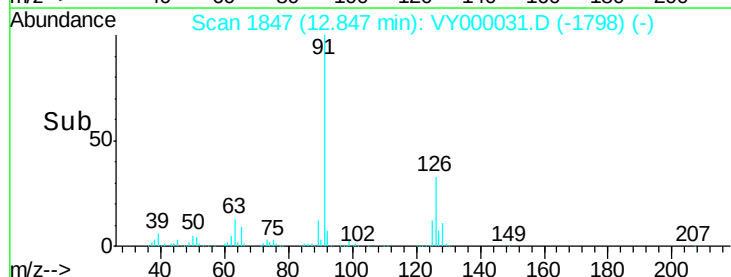
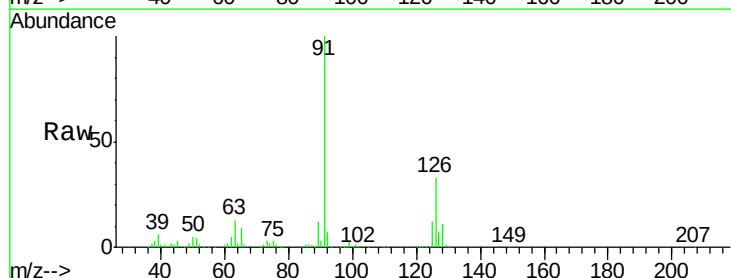
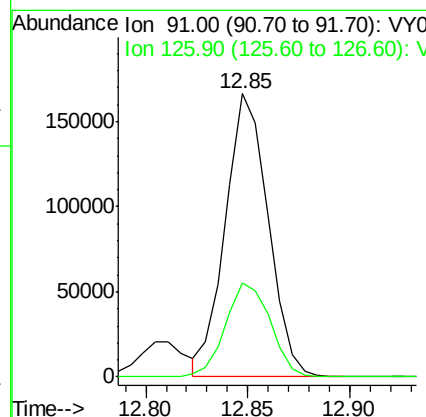
RT: 12.85 min Scan# 1847

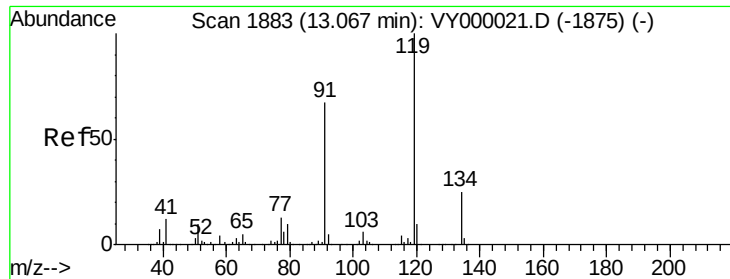
Delta R.T. 0.00 min

Lab File: VY000031.D

Acq: 12 Sep 2019 18:11

Tgt Ion:	91	Resp:	241705
Ion Ratio	Lower	Upper	
91	100		
126	34.9	17.2	51.5





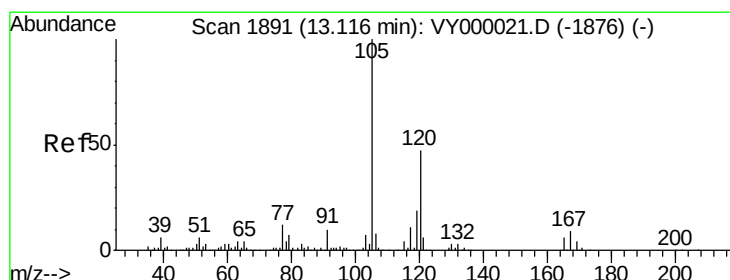
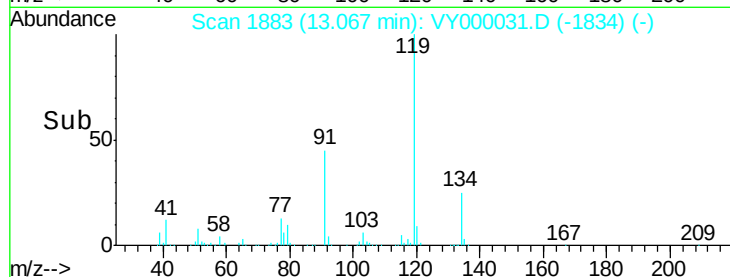
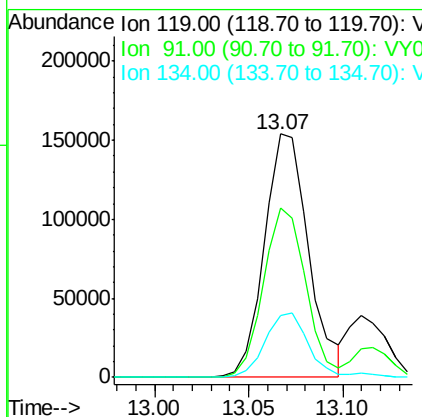
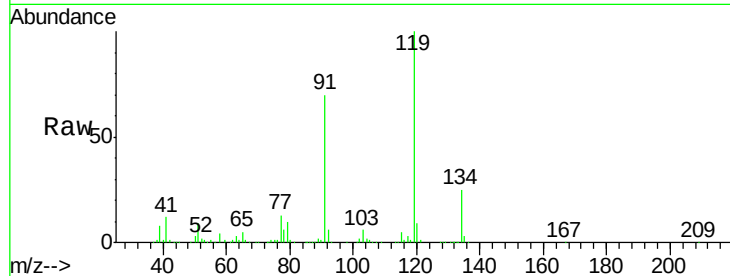
#83
 tert-Butylbenzene
 Concen: 47.592 ug/l
 RT: 13.07 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VY000031.D
 Acq: 12 Sep 2019 18:11

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	250688		
91	66.4		33.1	99.5
134	26.7		13.5	40.5

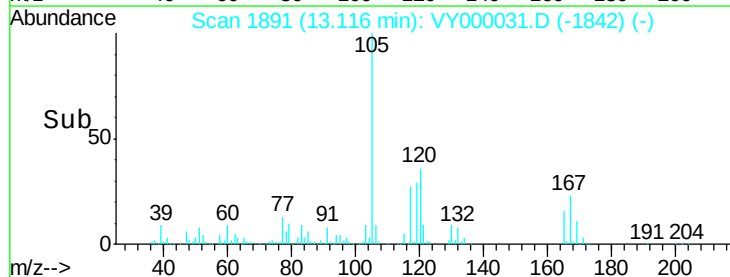
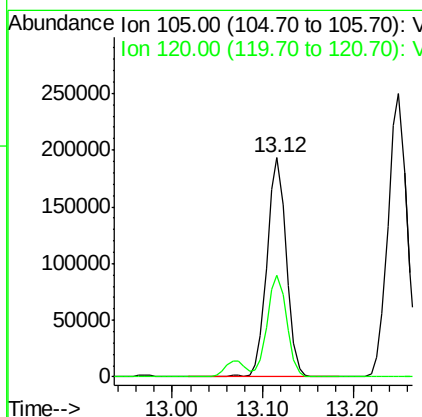
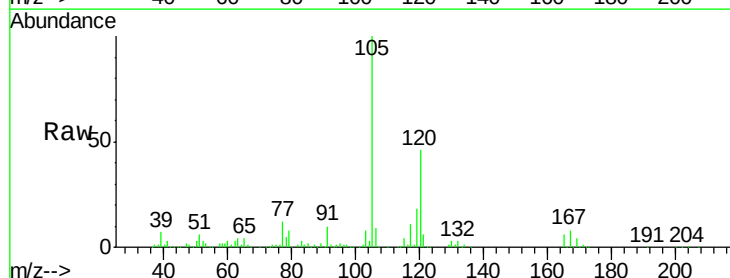
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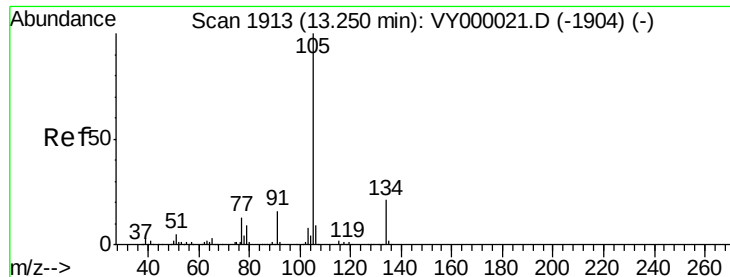
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#84
 1,2,4-Trimethylbenzene
 Concen: 47.018 ug/l
 RT: 13.12 min Scan# 1891
 Delta R.T. 0.00 min
 Lab File: VY000031.D
 Acq: 12 Sep 2019 18:11

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	284728		
120	46.8		23.1	69.3





#85

sec-Butylbenzene

Concen: 46.656 ug/l

RT: 13.25 min Scan# 1913

Delta R.T. 0.00 min

Lab File: VY000031.D

Acq: 12 Sep 2019 18:11

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 362696

Ion Ratio Lower Upper

105 100

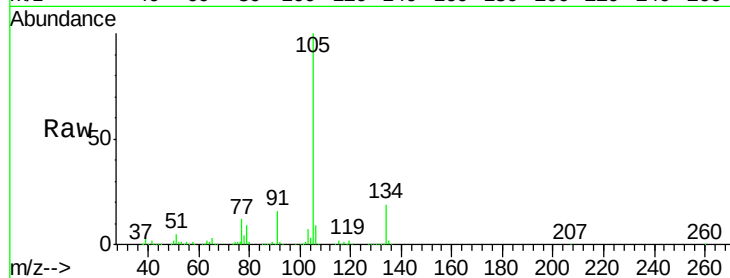
134 19.5 10.1 30.1

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

250000

200000

150000

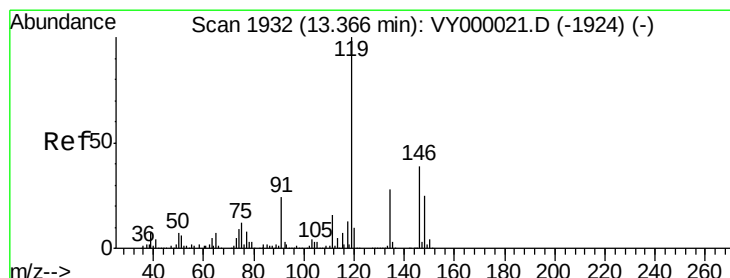
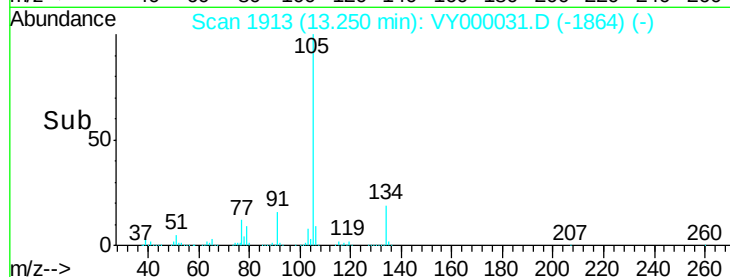
100000

50000

0

13.15 13.20 13.25 13.30

Time-->



#86

p-Isopropyltoluene

Concen: 46.471 ug/l

RT: 13.37 min Scan# 1932

Delta R.T. 0.00 min

Lab File: VY000031.D

Acq: 12 Sep 2019 18:11

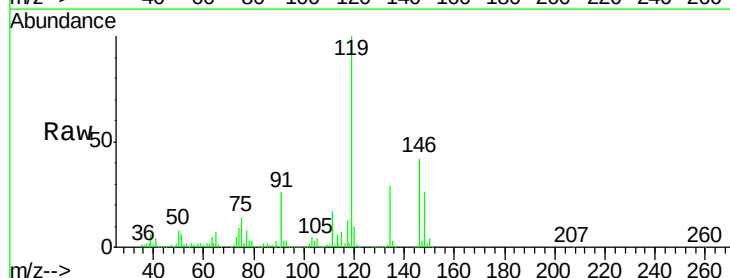
Tgt Ion:119 Resp: 306455

Ion Ratio Lower Upper

119 100

134 27.3 13.8 41.3

91 25.3 12.4 37.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0

250000

200000

150000

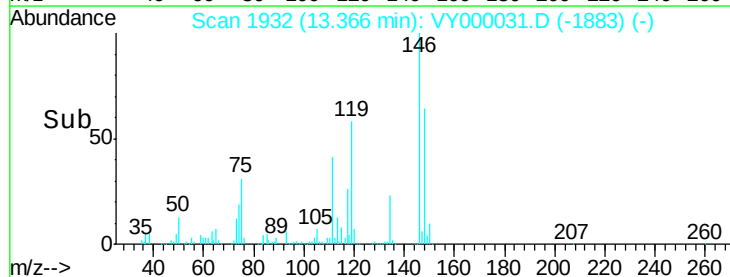
100000

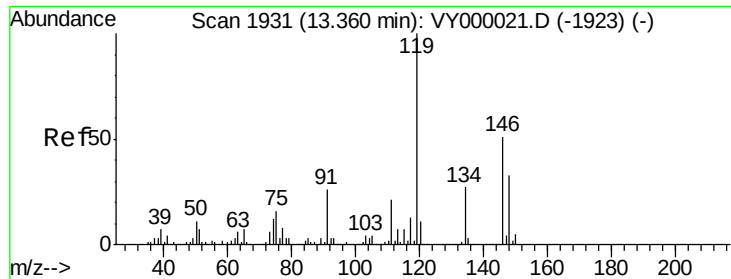
50000

0

13.30 13.40

Time-->





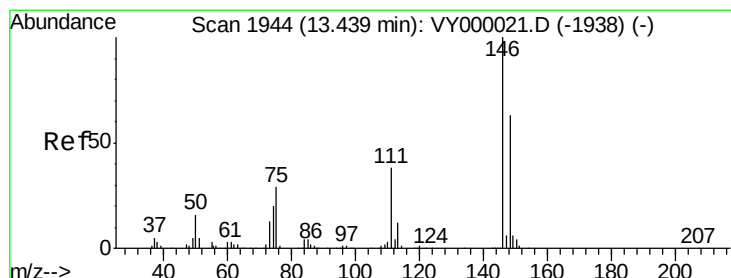
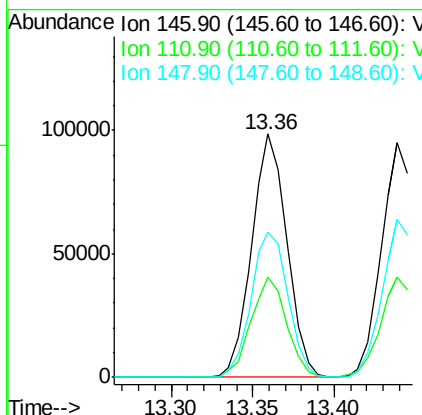
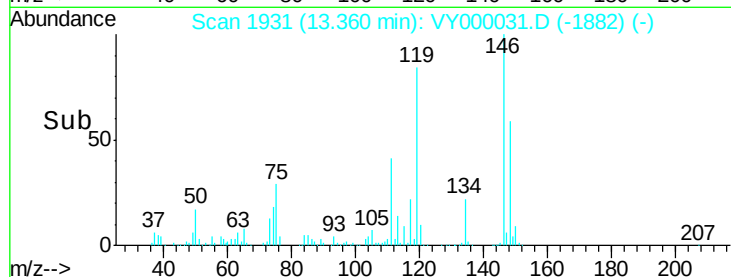
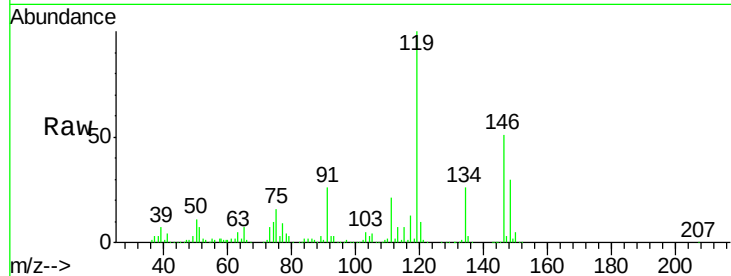
#87
 1,3-Dichlorobenzene
 Concen: 47.389 ug/l
 RT: 13.36 min Scan# 1931
 Delta R.T. -0.00 min
 Lab File: VY000031.D
 Acq: 12 Sep 2019 18:11

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	148131		
111	41.5	21.2	63.6	
148	62.0	32.1	96.5	

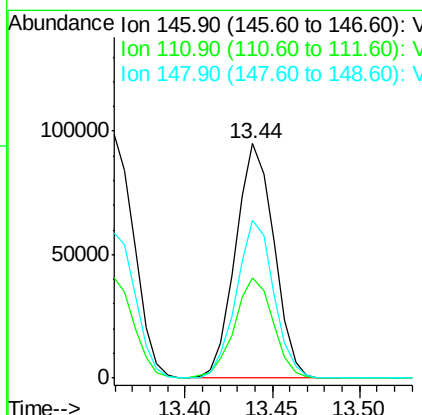
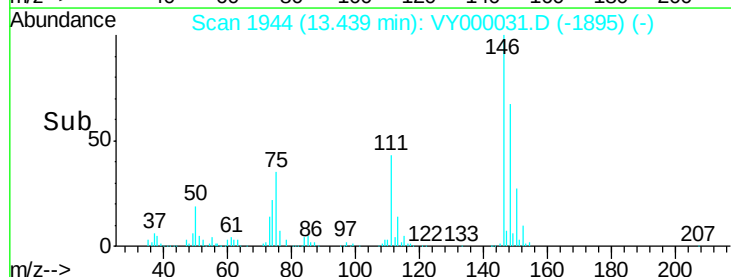
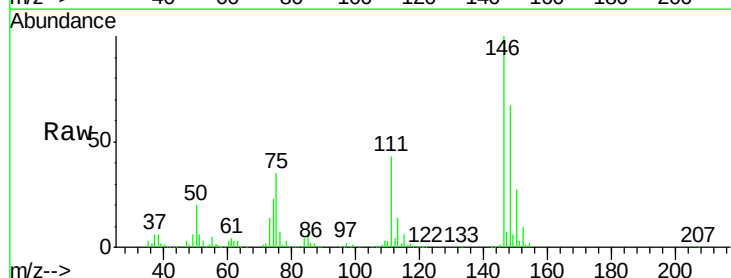
Manual Integrations
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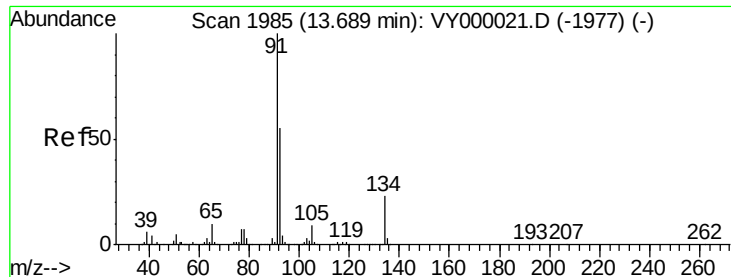
MMDadoda
 9/13/2019 11:54:02 PM



#88
 1,4-Dichlorobenzene
 Concen: 46.317 ug/l
 RT: 13.44 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VY000031.D
 Acq: 12 Sep 2019 18:11

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	145693		
111	42.9	20.3	60.9	
148	65.6	31.7	95.1	





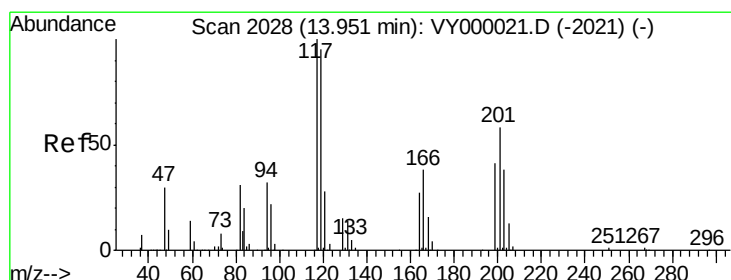
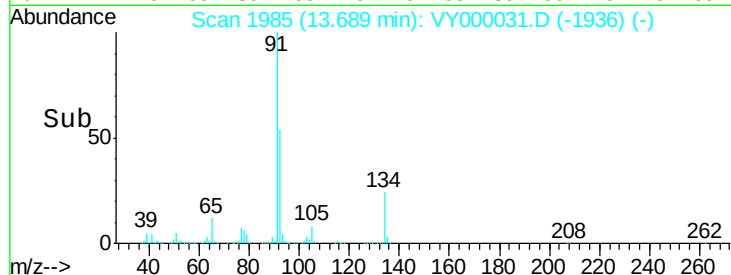
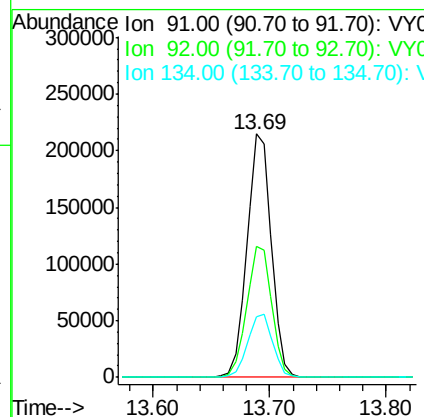
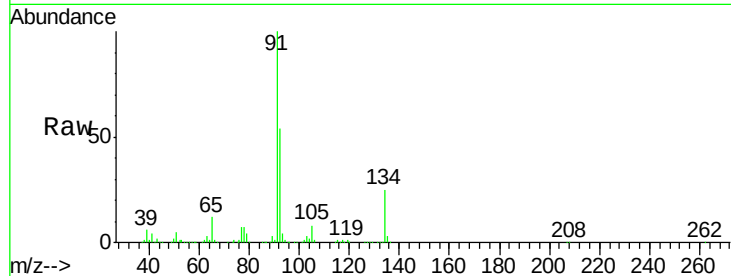
#89
n-Butylbenzene
Concen: 46.714 ug/l
RT: 13.69 min Scan# 1985
Delta R.T. 0.00 min
Lab File: VY000031.D
Acq: 12 Sep 2019 18:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.4	27.2	81.6
134	26.3	12.6	37.6

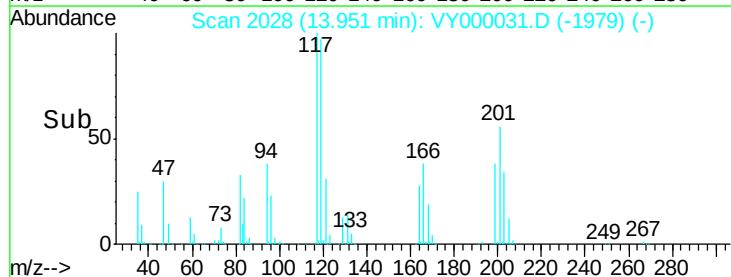
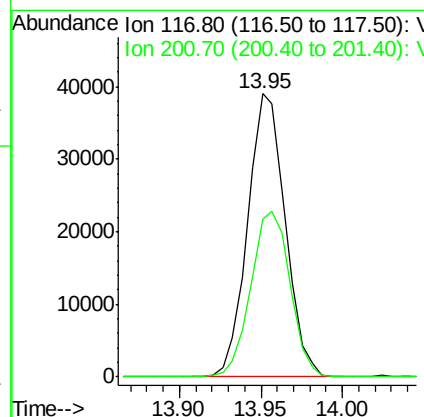
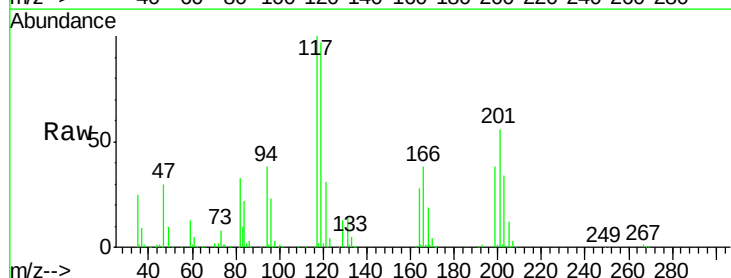
Manual Integrations
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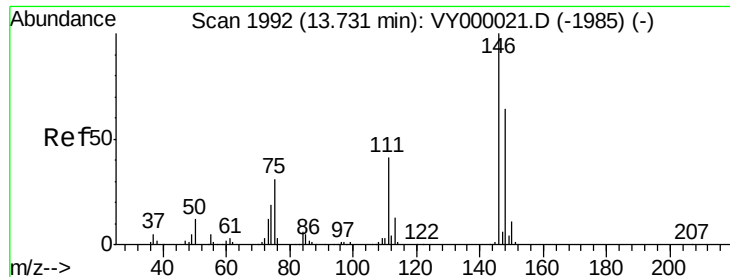
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#90
Hexachloroethane
Concen: 47.402 ug/l
RT: 13.95 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VY000031.D
Acq: 12 Sep 2019 18:11

Tgt Ion	Ratio	Lower	Upper
117	100		
201	61.2	31.4	94.0





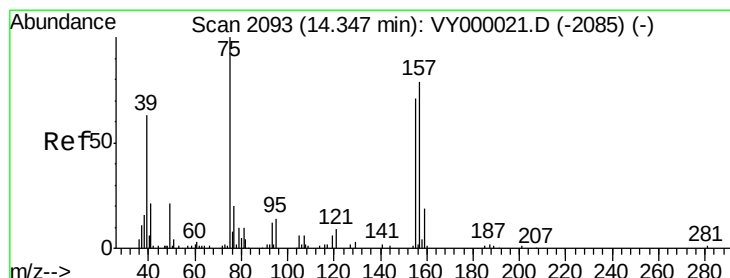
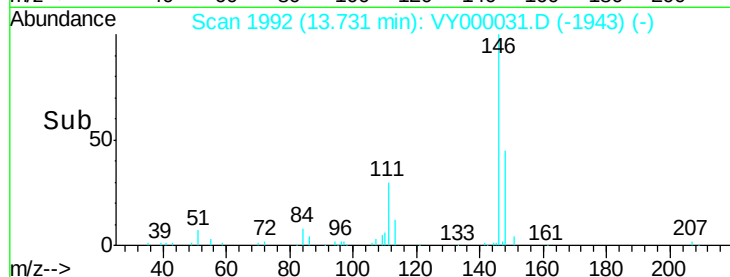
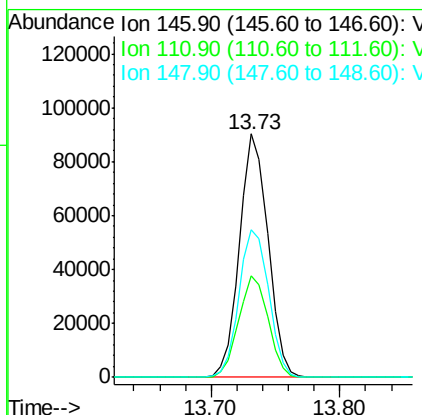
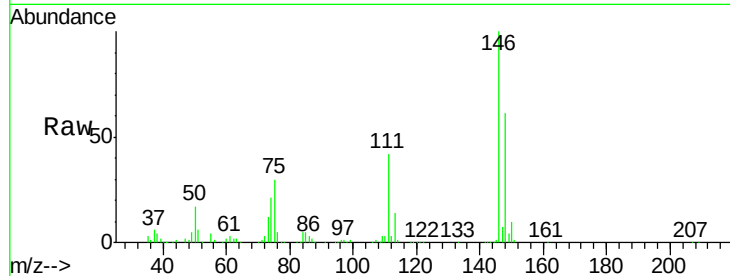
#91
 1,2-Dichlorobenzene
 Concen: 47.419 ug/l
 RT: 13.73 min Scan# 1992
 Delta R.T. 0.00 min
 Lab File: VY000031.D
 Acq: 12 Sep 2019 18:11

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.1	21.0	63.0
148	63.5	31.6	95.0

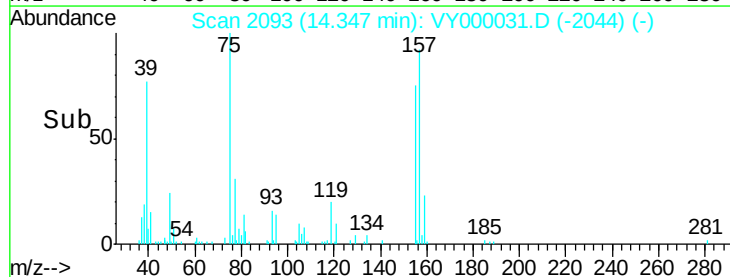
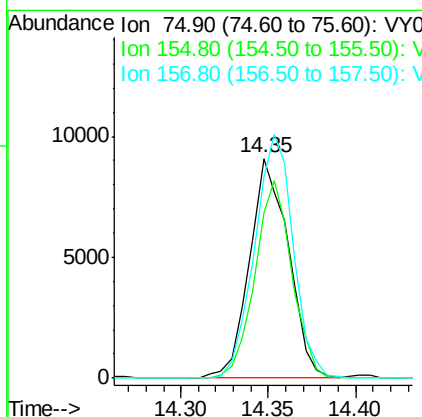
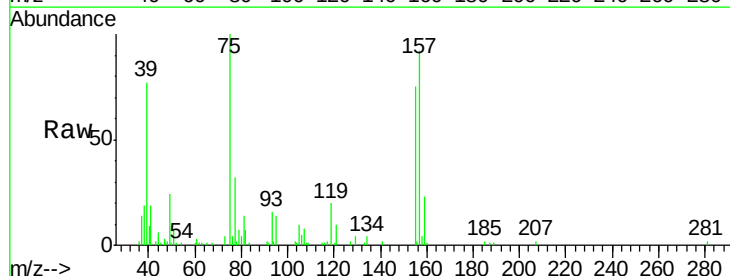
Manual Integrations
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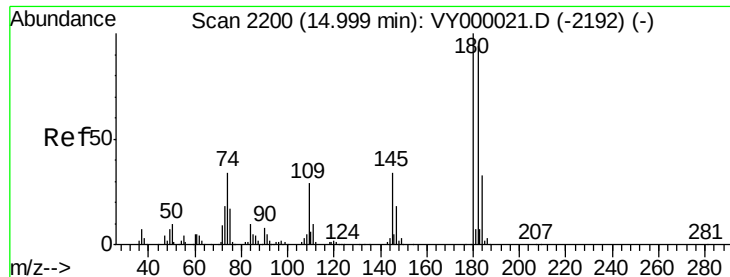
MMDadoda
 9/13/2019 11:54:02 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.237 ug/l
 RT: 14.35 min Scan# 2093
 Delta R.T. 0.00 min
 Lab File: VY000031.D
 Acq: 12 Sep 2019 18:11

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.1	41.8	125.3
157	110.7	51.3	153.9





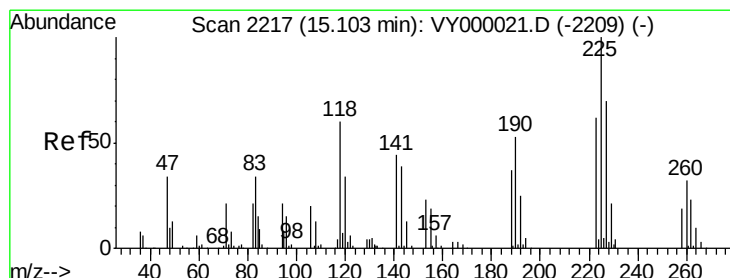
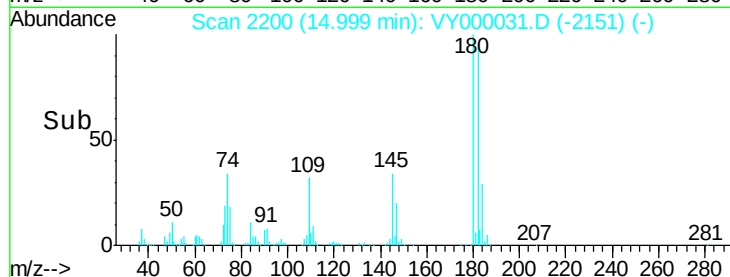
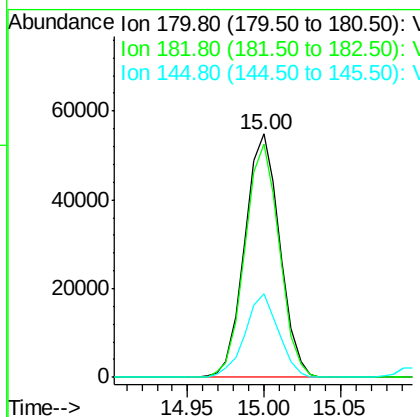
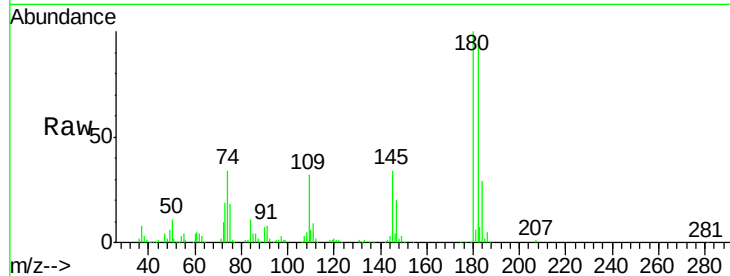
#93
 1,2,4-Trichlorobenzene
 Concen: 46.983 ug/l
 RT: 15.00 min Scan# 2200
 Delta R.T. 0.00 min
 Lab File: VY000031.D
 Acq: 12 Sep 2019 18:11

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	87211		
182	94.1	47.0	141.0	
145	32.8	16.7	50.1	

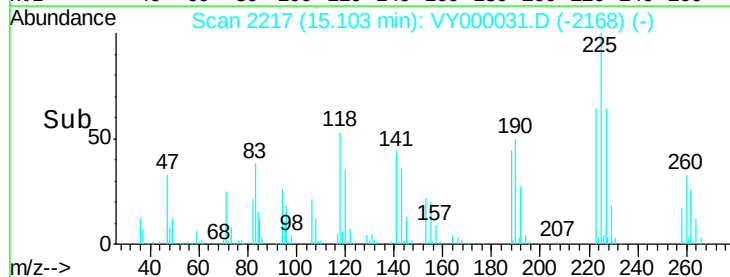
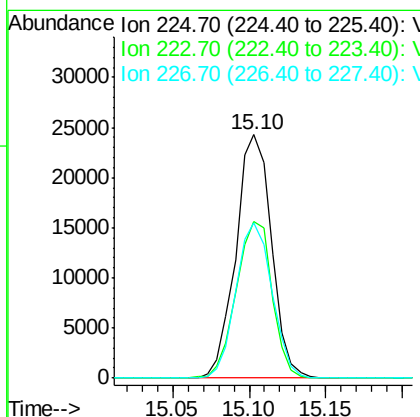
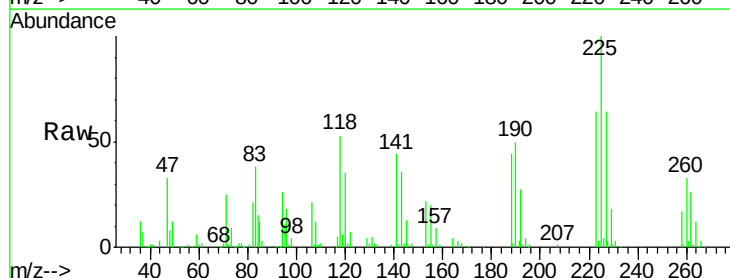
Manual Integrations
 APPROVED

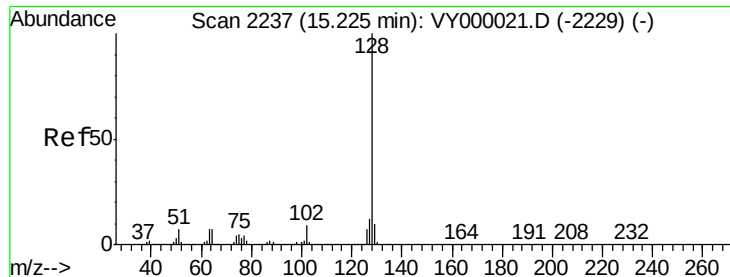
MMDadoda
 9/13/2019 11:54:02 PM



#94
 Hexachlorobutadiene
 Concen: 46.124 ug/l
 RT: 15.10 min Scan# 2217
 Delta R.T. 0.00 min
 Lab File: VY000031.D
 Acq: 12 Sep 2019 18:11

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	39269		
223	64.4	30.9	92.7	
227	64.5	31.0	93.0	





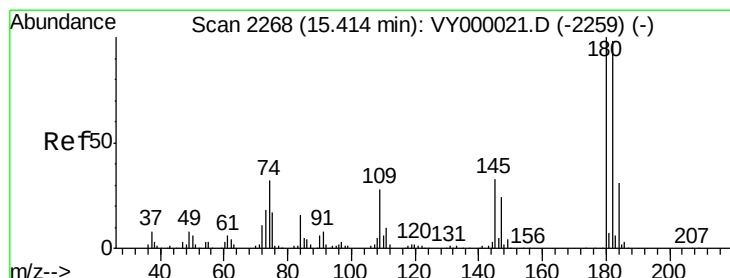
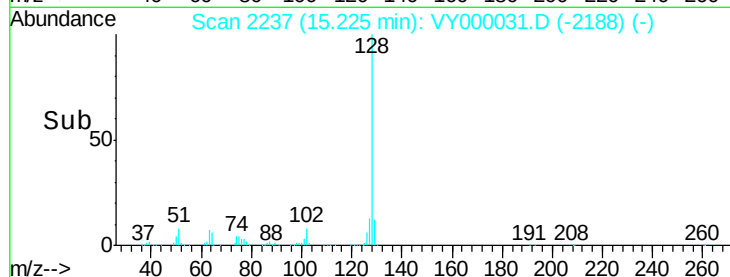
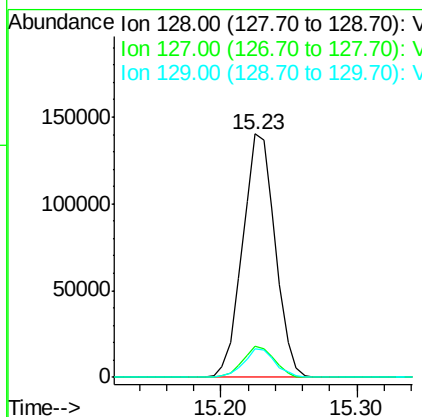
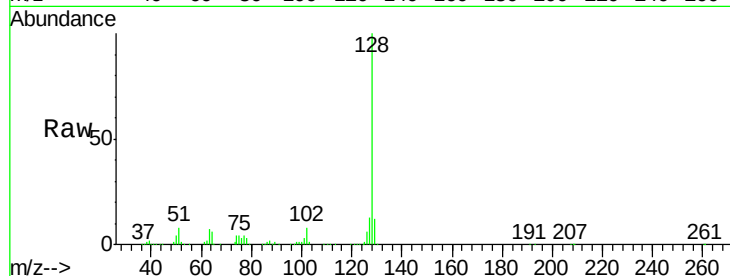
#95
Naphthalene
Concen: 46.124 ug/l
RT: 15.23 min Scan# 2237
Delta R.T. 0.00 min
Lab File: VY000031.D
Acq: 12 Sep 2019 18:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
128	100	234226		
127	12.4		9.8	14.8
129	11.4		8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 46.351 ug/l
RT: 15.41 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VY000031.D
Acq: 12 Sep 2019 18:11

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	77236		
182	96.6		46.8	140.4
145	35.3		17.3	51.7

