

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY091919\
 Data File : VY000072.D
 Acq On : 19 Sep 2019 13:16
 Operator : SY/MD
 Sample : VY0919SBS01
 Misc : 5.00g/5.00ml/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0919SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/24/2019 5:30:34 AM

Quant Time: Sep 20 02:19:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y091719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 05:38:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.79	168	106981	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	203945	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	175881	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	77097	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.14	65	61390	49.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.76%	
35) Dibromofluoromethane	7.72	113	58845	47.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.30%	
50) Toluene-d8	10.18	98	244855	50.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.98%	
62) 4-Bromofluorobenzene	12.48	95	85843	47.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	2041	Below Cal		98
3) Chloromethane	2.11	50	9670	3.199	ug/l	98
4) Vinyl Chloride	2.25	62	11961	10.020	ug/l	91
5) Bromomethane	2.62	94	12262	14.426	ug/l	85
6) Chloroethane	2.78	64	12428	15.532	ug/l	100
7) Trichlorofluoromethane	3.12	101	26686	16.168	ug/l	94
8) Diethyl Ether	3.53	74	13215	18.700	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.89	101	20825	18.391	ug/l	96
10) Methyl Iodide	4.09	142	18042	15.322	ug/l	98
11) Tert butyl alcohol	4.98	59	15381	105.410	ug/l #	85
12) 1,1-Dichloroethene	3.86	96	18034	17.277	ug/l	95
13) Acrolein	3.74	56	9566	112.760	ug/l	99
14) Allyl chloride	4.48	41	29906	18.745	ug/l	97
15) Acrylonitrile	5.17	53	42449	100.170	ug/l	99
16) Acetone	3.95	43	26898	93.860	ug/l	90
17) Carbon Disulfide	4.18	76	30048	13.686	ug/l #	94
18) Methyl Acetate	4.48	43	18101	18.906	ug/l	92
19) Methyl tert-butyl Ether	5.23	73	62903	19.283	ug/l	95
20) Methylene Chloride	4.71	84	30756	22.814	ug/l	96
21) trans-1,2-Dichloroethene	5.21	96	20778	17.907	ug/l	97
22) Diisopropyl ether	6.12	45	71914	19.951	ug/l	94
23) Vinyl Acetate	6.06	43	242801	100.645	ug/l	96
24) 1,1-Dichloroethane	6.01	63	40974	19.206	ug/l	94
25) 2-Butanone	6.99	43	50684	97.645	ug/l	98
26) 2,2-Dichloropropane	6.98	77	38432	19.088	ug/l	98
27) cis-1,2-Dichloroethene	6.99	96	29541	20.108	ug/l	99
28) Bromochloromethane	7.34	49	18891	19.103	ug/l	94
29) Tetrahydrofuran	7.35	42	31750	101.891	ug/l	97
30) Chloroform	7.51	83	44889	20.389	ug/l	97
31) Cyclohexane	7.78	56	31058	17.589	ug/l	99
32) 1,1,1-Trichloroethane	7.70	97	35052	19.601	ug/l	97
36) 1,1-Dichloropropene	7.92	75	29363	19.255	ug/l	97
37) Ethyl Acetate	7.07	43	20805	20.468	ug/l	97
38) Carbon Tetrachloride	7.89	117	29788	20.697	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.18	83	36711	19.578	ug/l	96
40) Benzene	8.16	78	98209	19.499	ug/l	100
41) Methacrylonitrile	7.32	41	12723m	19.421	ug/l	
42) 1,2-Dichloroethane	8.24	62	27993	20.982	ug/l	100
43) Isopropyl Acetate	8.27	43	41027	20.638	ug/l	98
44) Trichloroethene	8.94	130	25218	19.599	ug/l	91
45) 1,2-Dichloropropane	9.21	63	26602	20.389	ug/l	95
46) Dibromomethane	9.31	93	14760	20.711	ug/l	99
47) Bromodichloromethane	9.50	83	35800	20.701	ug/l	97
48) Methyl methacrylate	9.29	41	17933	20.512	ug/l	98
49) 1,4-Dioxane	9.29	88	5528	399.517	ug/l #	91
51) 4-Methyl-2-Pentanone	10.07	43	110952	102.222	ug/l	99
52) Toluene	10.24	92	64519	20.162	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	36916	20.133	ug/l	92
54) cis-1,3-Dichloropropene	9.93	75	41472	19.586	ug/l	94
55) 1,1,2-Trichloroethane	10.65	97	23577	21.102	ug/l	96
56) Ethyl methacrylate	10.51	69	33057	20.792	ug/l	98
57) 1,3-Dichloropropane	10.79	76	37499	19.980	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.79	63	86317	100.433	ug/l	99
59) 2-Hexanone	10.84	43	83355	107.647	ug/l	95
60) Dibromochloromethane	10.99	129	25145	21.482	ug/l	94
61) 1,2-Dibromoethane	11.09	107	20678	20.262	ug/l	98
64) Tetrachloroethene	10.71	164	23887	21.639	ug/l	95
65) Chlorobenzene	11.52	112	72161	20.742	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.59	131	23806	20.238	ug/l	95
67) Ethyl Benzene	11.59	91	127153	20.480	ug/l	98
68) m/p-Xylenes	11.70	106	96246	40.740	ug/l	98
69) o-Xylene	12.03	106	48114	21.033	ug/l	95
70) Styrene	12.04	104	82922	20.649	ug/l	99
71) Bromoform	12.21	173	13617	19.996	ug/l #	95
73) Isopropylbenzene	12.33	105	127338	20.495	ug/l	99
74) N-amyl acetate	12.15	43	36614	20.685	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.58	83	29924	20.460	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	19043m	17.555	ug/l	
77) Bromobenzene	12.61	156	26675	20.560	ug/l	100
78) n-propylbenzene	12.67	91	151962	20.050	ug/l	99
79) 2-Chlorotoluene	12.76	91	84449	19.931	ug/l	97
80) 1,3,5-Trimethylbenzene	12.81	105	104618	20.327	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	11776	20.879	ug/l	94
82) 4-Chlorotoluene	12.85	91	89825	20.502	ug/l	96
83) tert-Butylbenzene	13.07	119	87056	19.770	ug/l	96
84) 1,2,4-Trimethylbenzene	13.12	105	101999	20.102	ug/l	97
85) sec-Butylbenzene	13.25	105	132441	20.358	ug/l	97
86) p-Isopropyltoluene	13.37	119	112886	20.471	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	53958	20.966	ug/l	98
88) 1,4-Dichlorobenzene	13.44	146	54392	21.032	ug/l	99
89) n-Butylbenzene	13.69	91	115310	20.326	ug/l	99
90) Hexachloroethane	13.96	117	22826	21.064	ug/l	97
91) 1,2-Dichlorobenzene	13.74	146	48356	19.999	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	5262	20.207	ug/l	93

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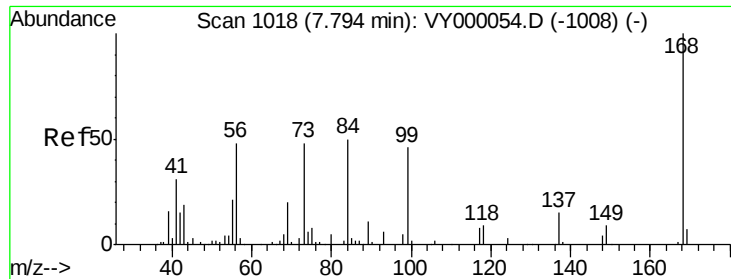
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	31686	21.717	ug/l	99
94) Hexachlorobutadiene	15.11	225	15526	22.164	ug/l	97
95) Naphthalene	15.23	128	84850	20.486	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	29059	20.869	ug/l	94

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.79 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VY000072.D

Acq: 19 Sep 2019 13:16

Instrument :

MSVOA_Y

ClientSampleId :

VY0919SBS01

Tot Ion:168 Resp: 106981

Ion Ratio Lower Upper

168 100

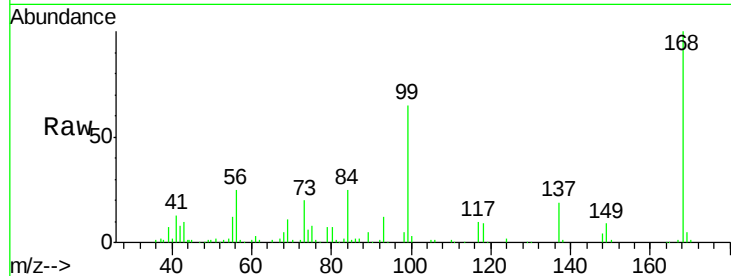
99 65.1 44.2 66.2

Manual Integrations

APPROVED

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9/24/2019 5:30:34 AM

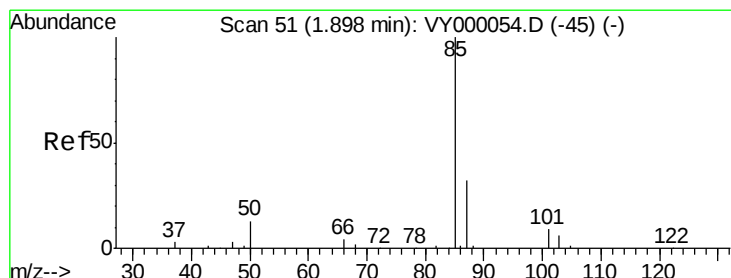
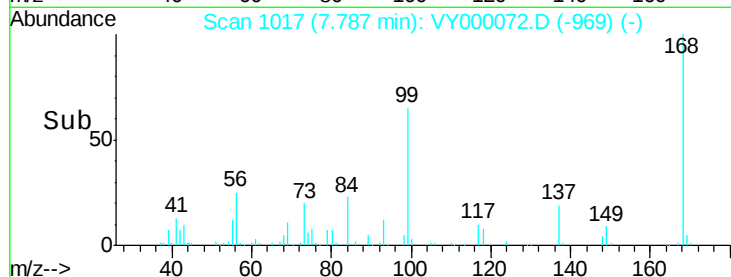


Abundance Ion 167.90 (167.60 to 168.60): VY000054.D (-1008) (-)

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

7.79

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.90 min Scan# 51

Delta R.T. 0.00 min

Lab File: VY000072.D

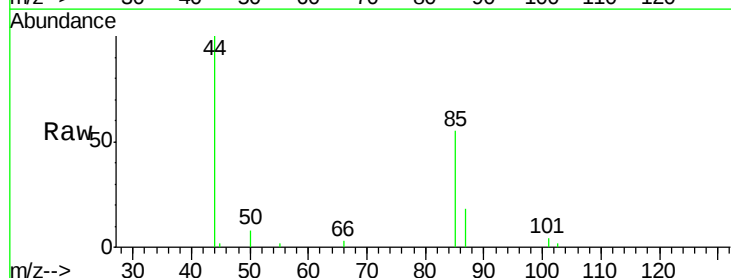
Acq: 19 Sep 2019 13:16

Tgt Ion: 85 Resp: 2041

Ion Ratio Lower Upper

85 100

87 33.4 16.2 48.5

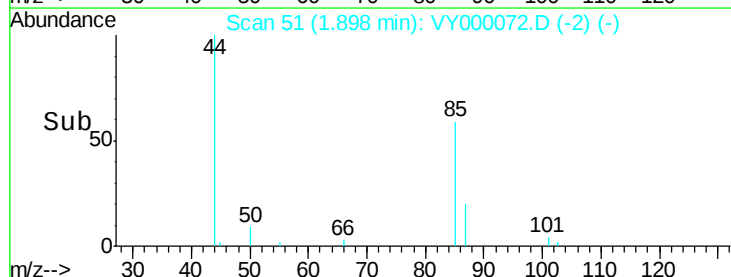


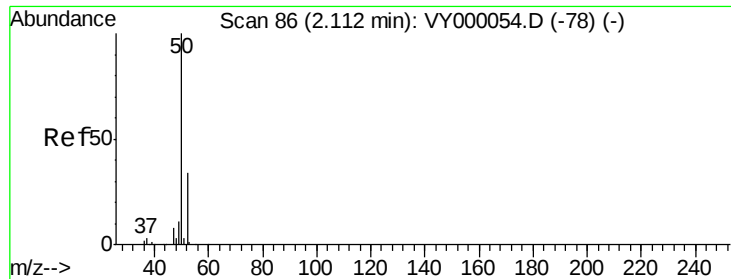
Abundance Ion 84.90 (84.60 to 85.60): VY000054.D (-45) (-)

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

1.90

Time-->





#3

Chloromethane

Concen: 3.199 ug/l

RT: 2.11 min Scan# 86

Delta R.T. 0.00 min

Lab File: VY000072.D

Acq: 19 Sep 2019 13:16

Instrument :

MSVOA_Y

ClientSampleId :

VY0919SBS01

Tot Ion: 50 Resp: 9670

Ion Ratio Lower Upper

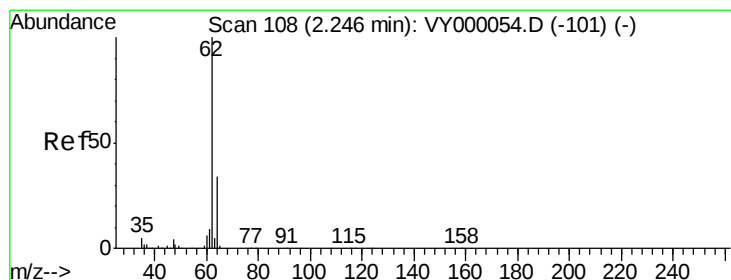
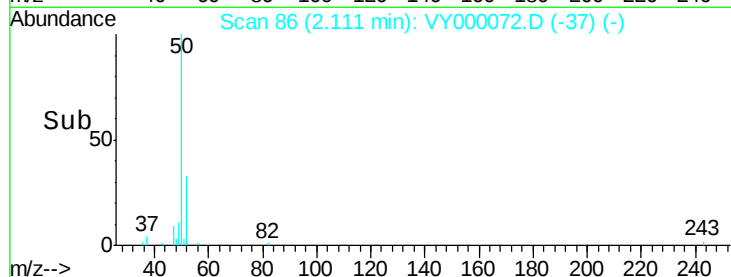
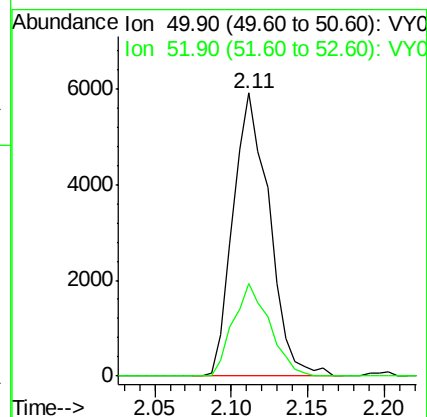
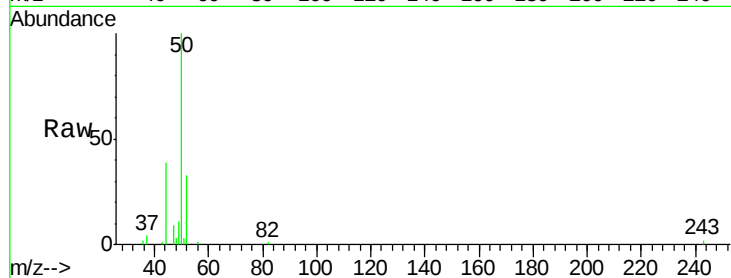
50 100

52 32.7 27.3 40.9

Manual Integrations
APPROVED

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#4

Vinyl Chloride

Concen: 10.020 ug/l

RT: 2.25 min Scan# 108

Delta R.T. -0.00 min

Lab File: VY000072.D

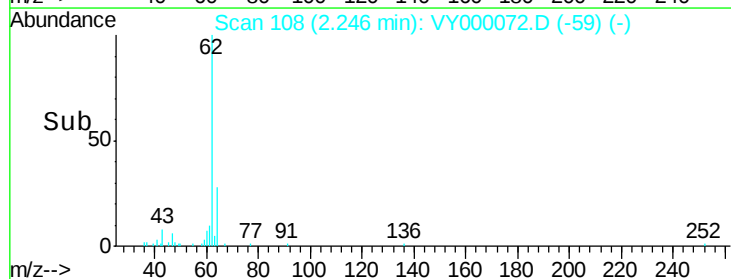
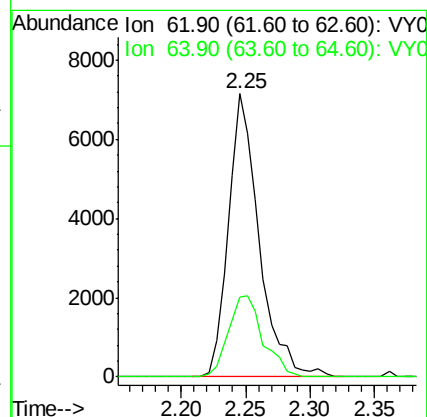
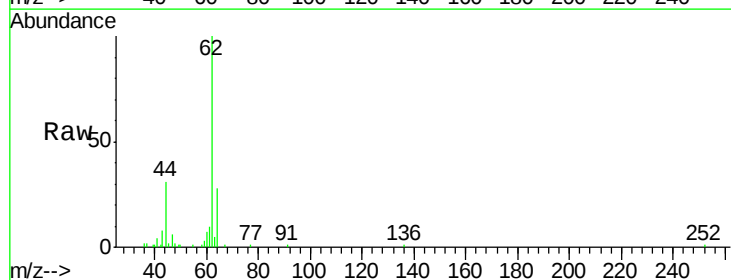
Acq: 19 Sep 2019 13:16

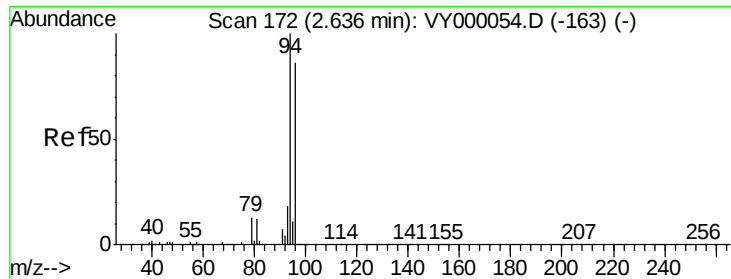
Tgt Ion: 62 Resp: 11961

Ion Ratio Lower Upper

62 100

64 28.3 26.9 40.3





#5

Bromomethane

Concen: 14.426 ug/l

RT: 2.62 min Scan# 170

Delta R.T. -0.01 min

Lab File: VY000072.D

Acq: 19 Sep 2019 13:16

Instrument :

MSVOA_Y

ClientSampleId :

VY0919SBS01

Tot Ion: 94 Resp: 12262

Ion Ratio Lower Upper

94 100

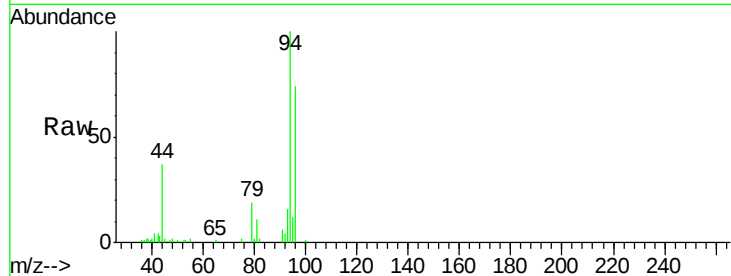
96 72.6 69.1 103.7

Manual Integrations

APPROVED

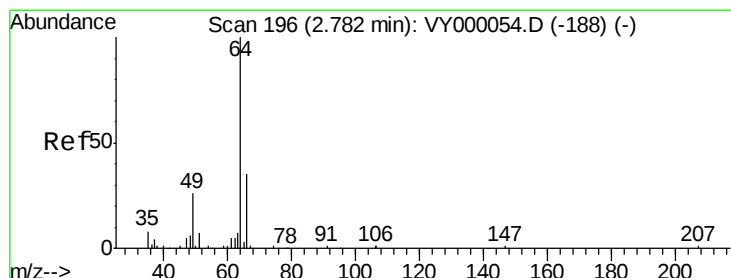
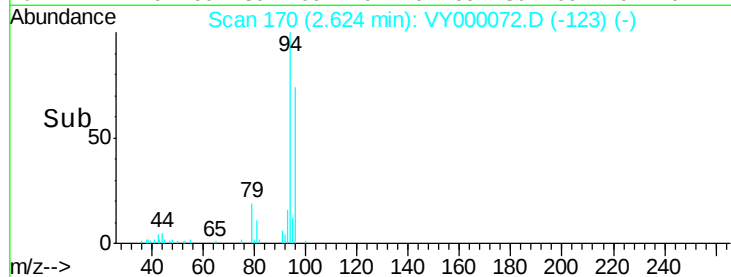
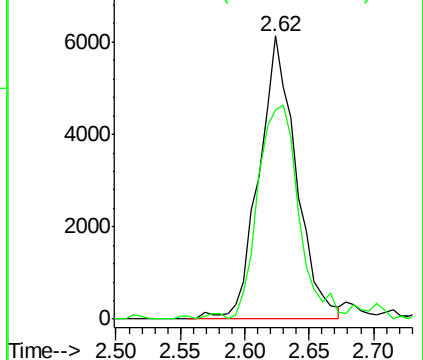
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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 15.532 ug/l

RT: 2.78 min Scan# 196

Delta R.T. -0.00 min

Lab File: VY000072.D

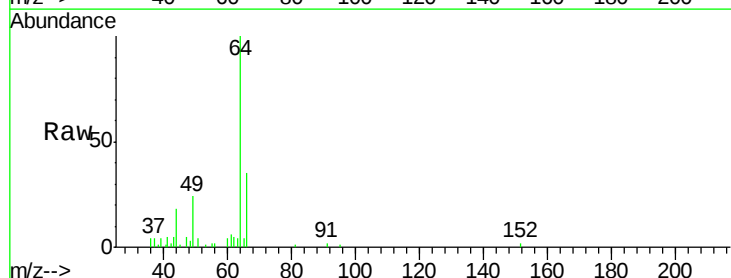
Acq: 19 Sep 2019 13:16

Tgt Ion: 64 Resp: 12428

Ion Ratio Lower Upper

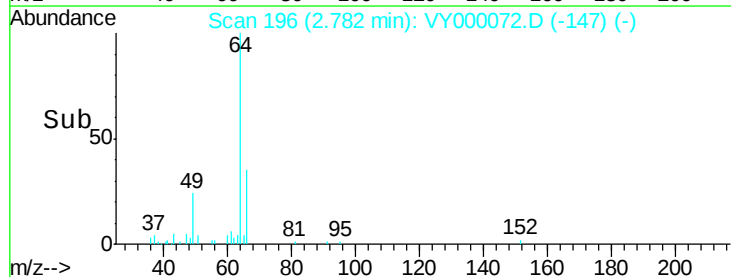
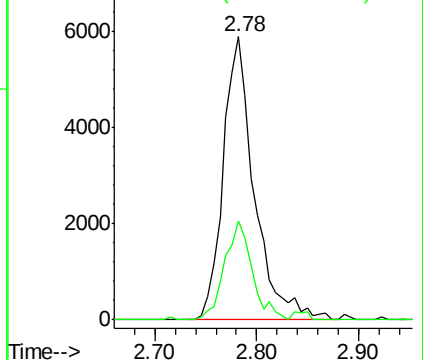
64 100

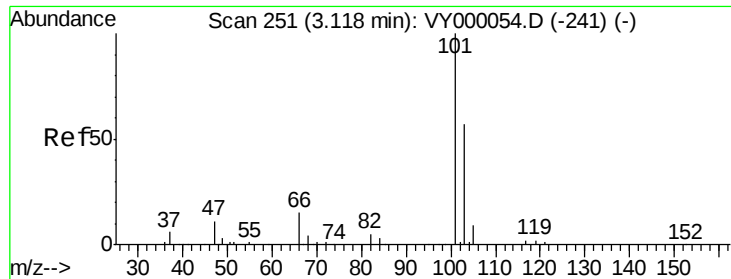
66 34.8 27.7 41.5



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

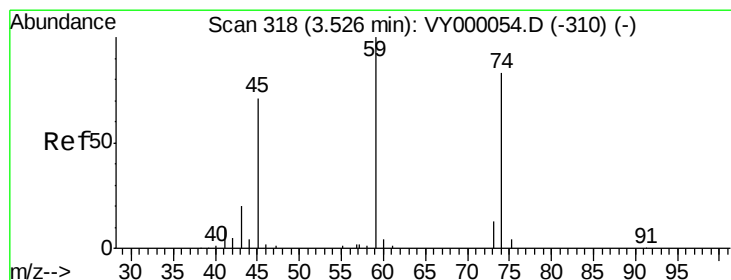
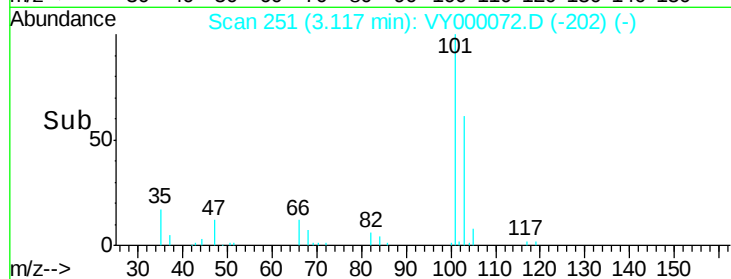
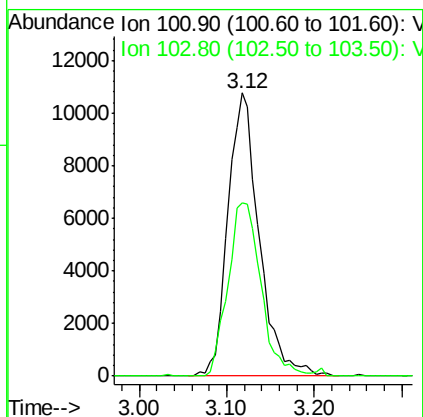
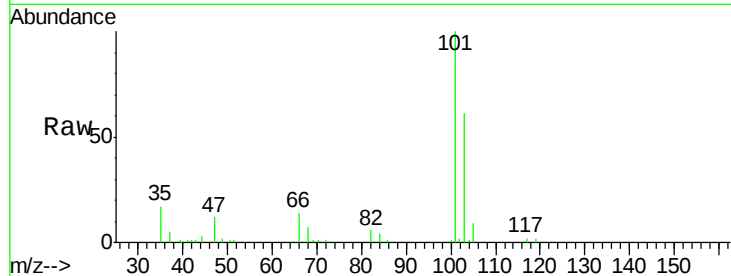
Trichlorofluoromethane
Concen: 16.168 ug/l
RT: 3.12 min Scan# 251
Delta R.T. -0.00 min
Lab File: VY000072.D
Acq: 19 Sep 2019 13:16

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Tot Ion	Ratio	Lower	Upper
101	100		
103	61.4	45.7	68.5

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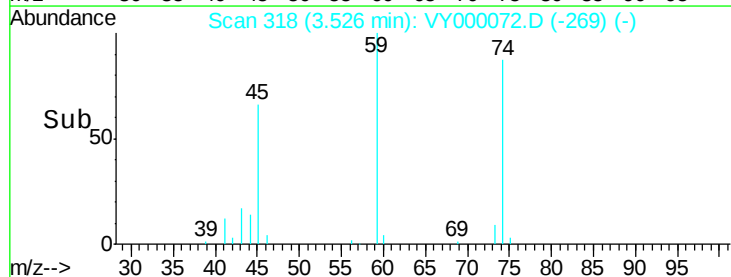
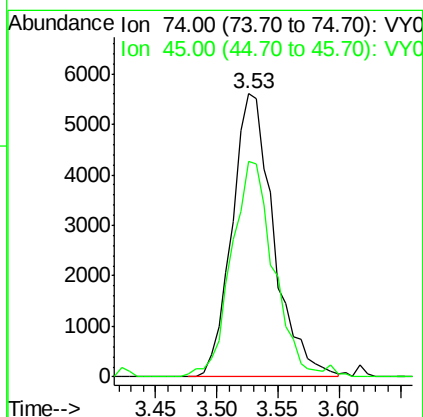
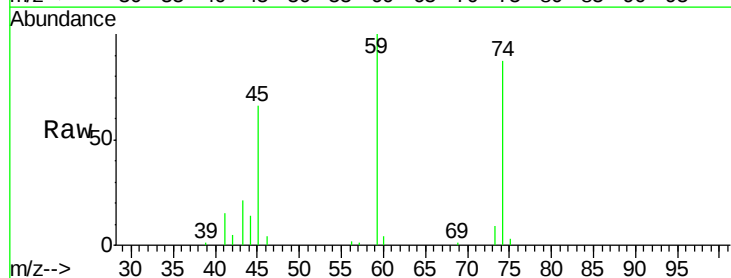
MMDadoda
9/24/2019 5:30:34 AM

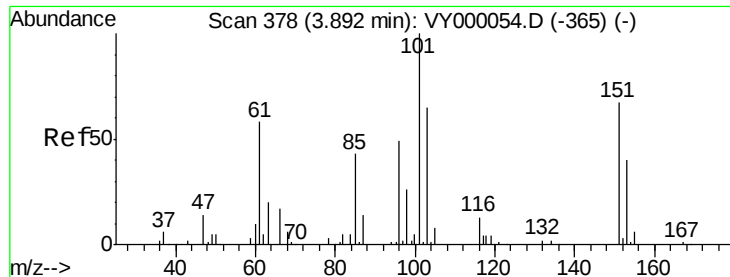


#8

Diethyl Ether
Concen: 18.700 ug/l
RT: 3.53 min Scan# 318
Delta R.T. -0.00 min
Lab File: VY000072.D
Acq: 19 Sep 2019 13:16

Tgt Ion	Ratio	Lower	Upper
74	100		
45	77.0	40.6	122.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.391 ug/l

RT: 3.89 min Scan# 378

Delta R.T. -0.00 min

Lab File: VY000072.D

Acq: 19 Sep 2019 13:16

Instrument :

MSVOA_Y

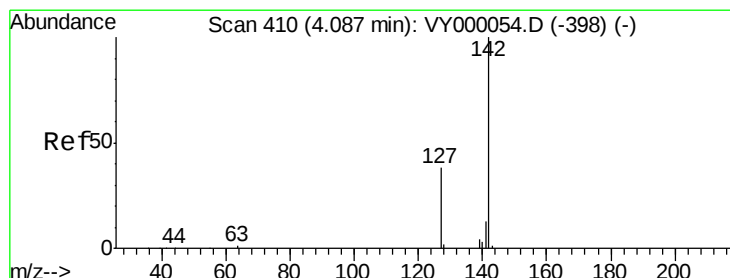
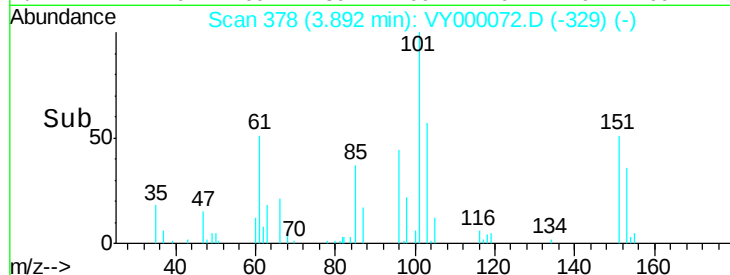
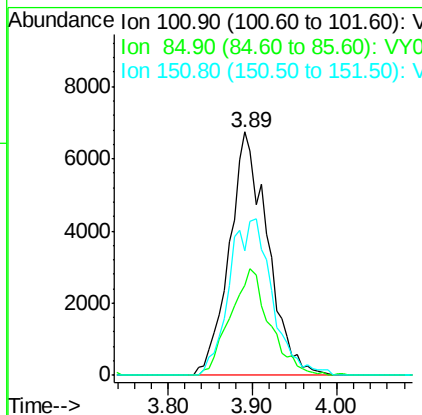
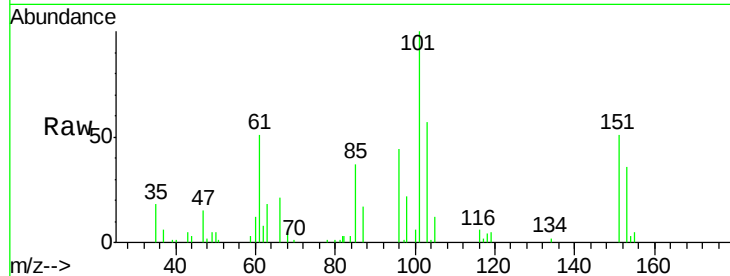
ClientSampleId :

VY0919SBS01

Tot Ion:	101	Resp:	20825
Ion Ratio	Lower	Upper	
101	100		
85	44.9	36.8	55.2
151	72.0	54.4	81.6

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#10

Methyl Iodide

Concen: 15.322 ug/l

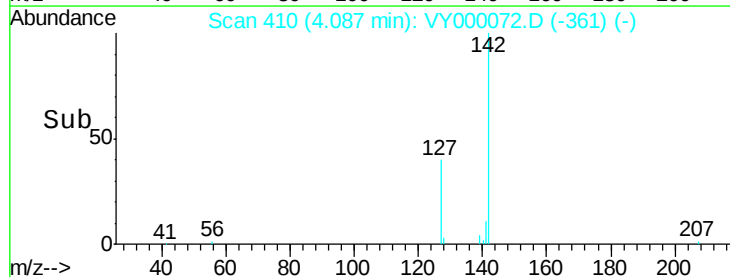
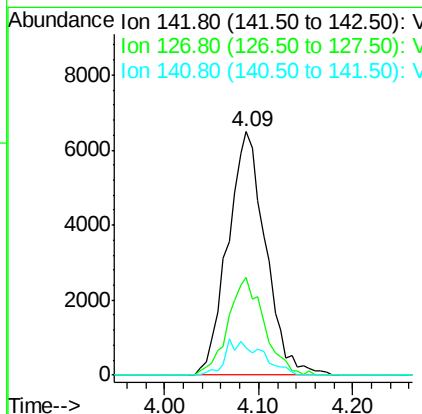
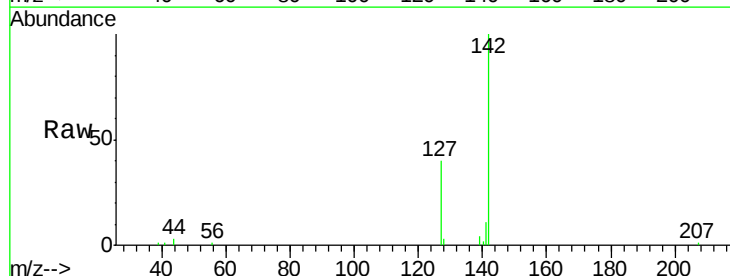
RT: 4.09 min Scan# 410

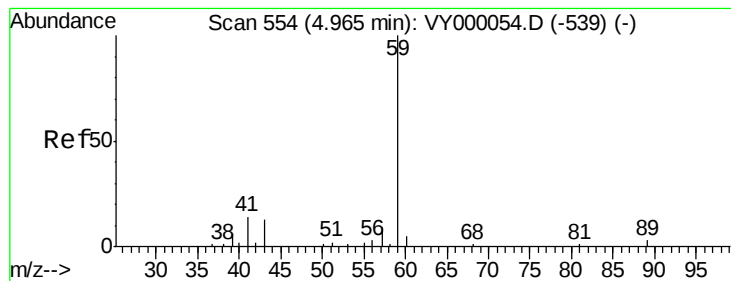
Delta R.T. -0.00 min

Lab File: VY000072.D

Acq: 19 Sep 2019 13:16

Tgt Ion:	142	Resp:	18042
Ion Ratio	Lower	Upper	
142	100		
127	38.3	31.6	47.4
141	13.9	10.9	16.3





#11

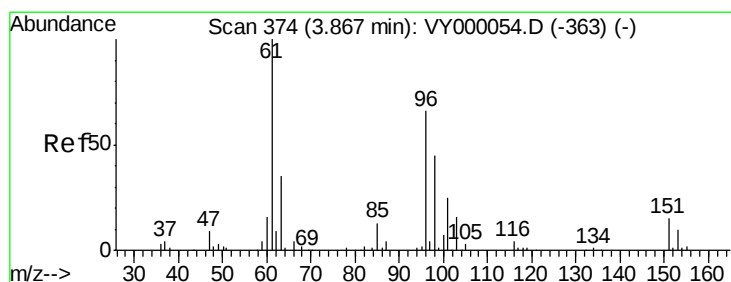
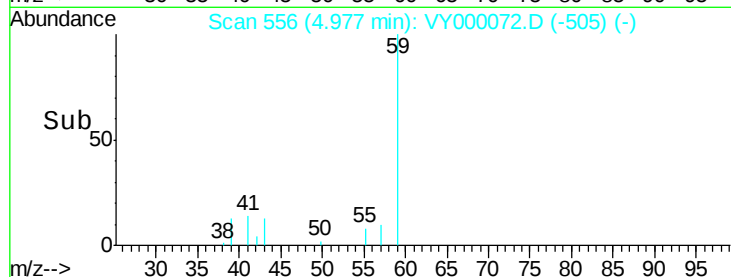
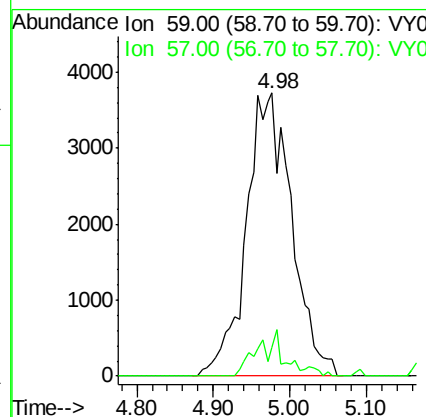
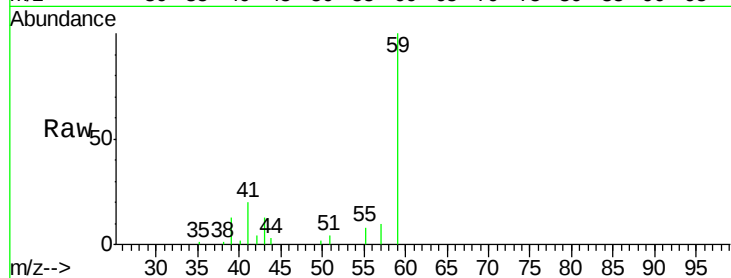
Tert butyl alcohol
 Concen: 105.410 ug/l
 RT: 4.98 min Scan# 556
 Delta R.T. 0.01 min
 Lab File: VY000072.D
 Acq: 19 Sep 2019 13:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0919SBS01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	15381		
57	4.4	8.0	12.0	

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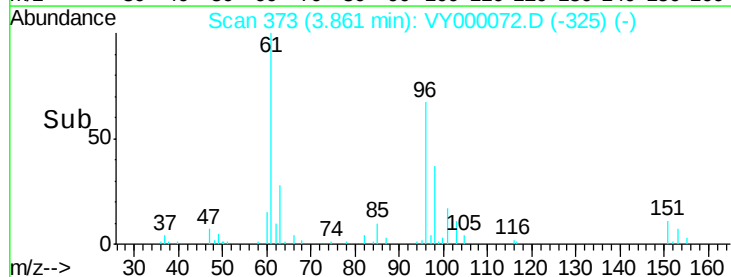
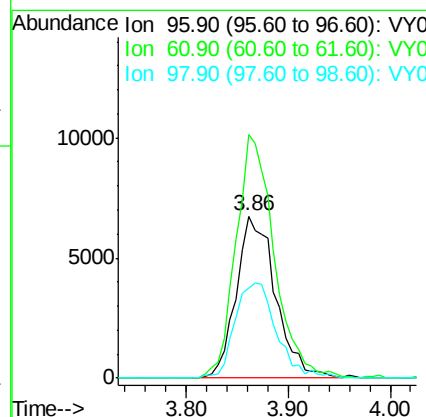
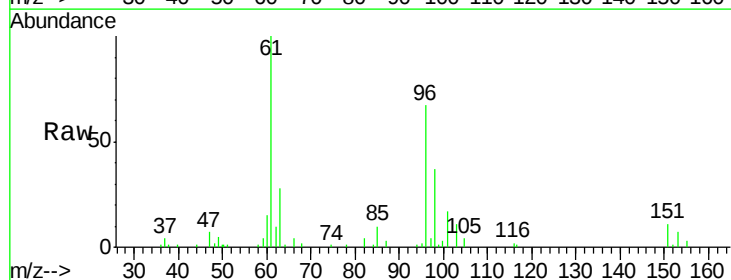
MMDadoda
 9/24/2019 5:30:34 AM

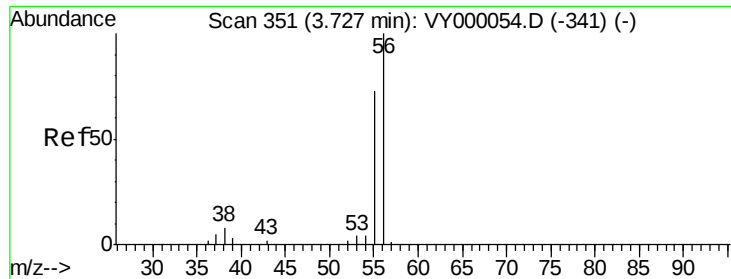


#12

1,1-Dichloroethene
 Concen: 17.277 ug/l
 RT: 3.86 min Scan# 373
 Delta R.T. -0.01 min
 Lab File: VY000072.D
 Acq: 19 Sep 2019 13:16

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	18034		
61	150.0	120.4	180.6	
98	55.7	54.1	81.1	





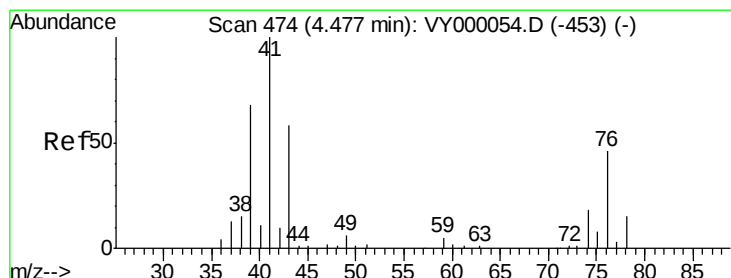
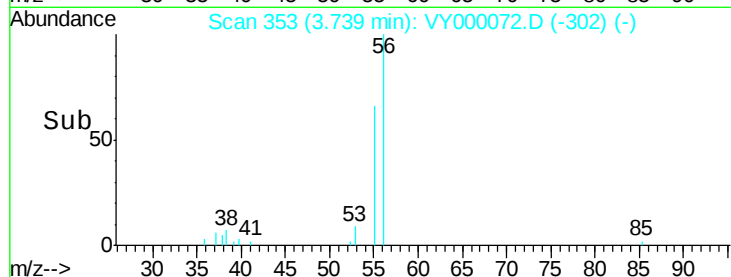
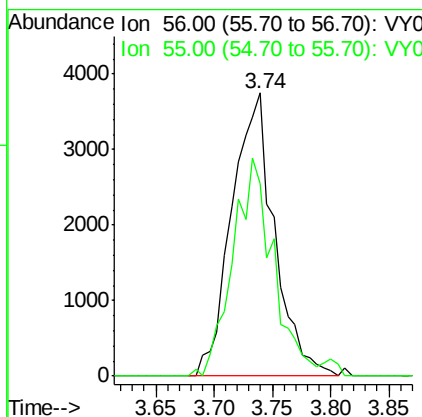
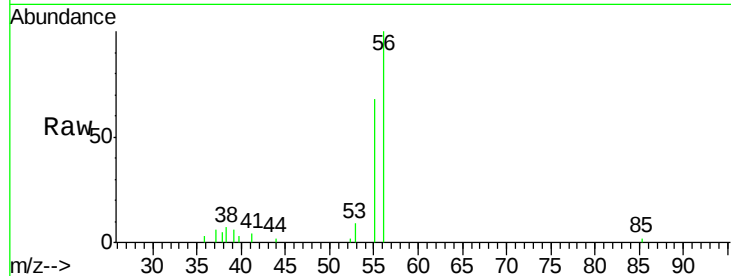
#13
Acrolein
Concen: 112.760 ug/l
RT: 3.74 min Scan# 353
Delta R.T. 0.01 min
Lab File: VY000072.D
Acq: 19 Sep 2019 13:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0919SBS01

Tot Ion: 56 Resp: 9566
Ion Ratio Lower Upper
56 100
55 73.0 57.8 86.8

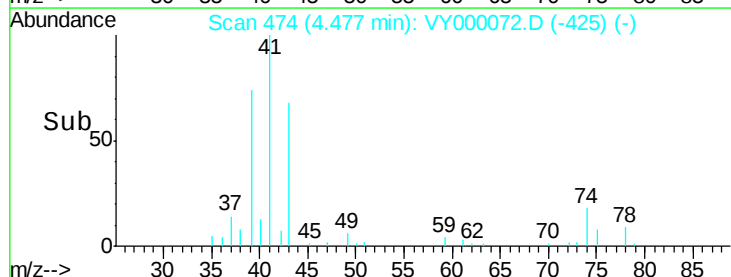
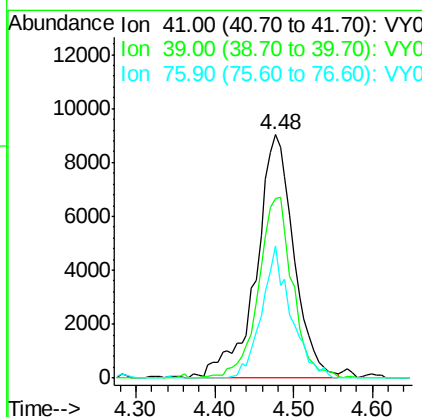
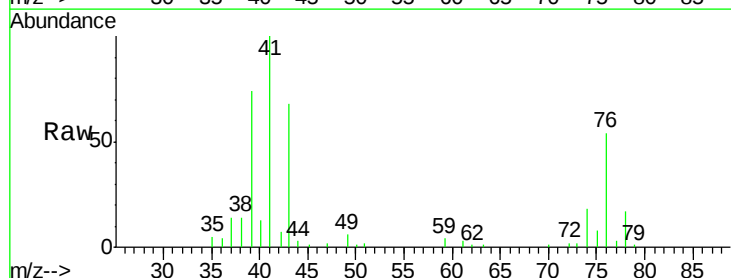
Manual Integrations
APPROVED

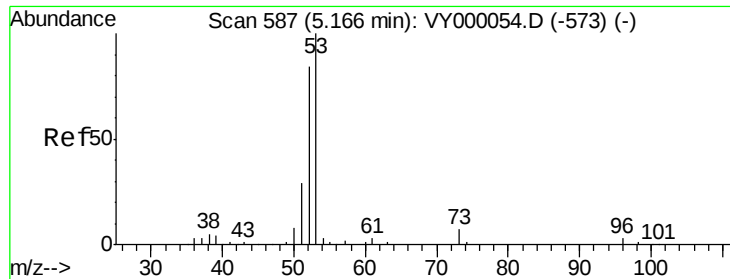
MMDadoda
9/24/2019 5:30:34 AM



#14
Allyl chloride
Concen: 18.745 ug/l
RT: 4.48 min Scan# 474
Delta R.T. -0.00 min
Lab File: VY000072.D
Acq: 19 Sep 2019 13:16

Tgt Ion: 41 Resp: 29906
Ion Ratio Lower Upper
41 100
39 67.7 52.7 79.1
76 42.1 35.5 53.3





#15

Acrylonitrile

Concen: 100.170 ug/l

RT: 5.17 min Scan# 588

Delta R.T. 0.01 min

Lab File: VY000072.D

Acq: 19 Sep 2019 13:16

Instrument :

MSVOA_Y

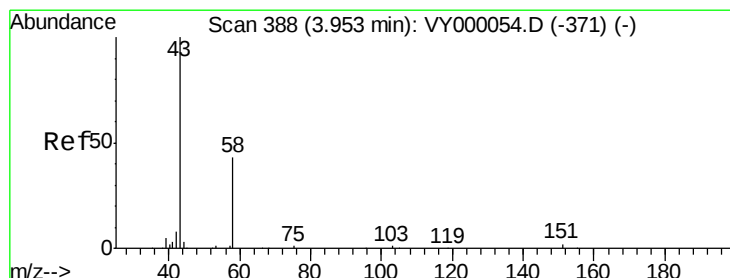
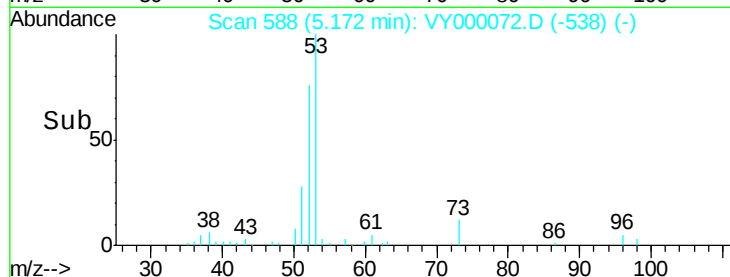
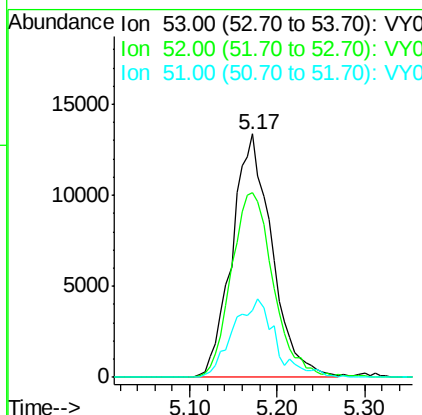
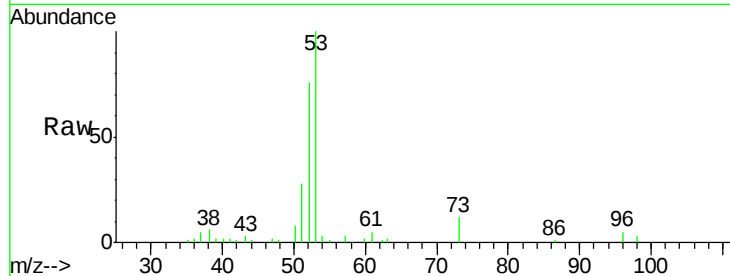
ClientSampleId :

VY0919SBS01

Tot Ion:	53	Resp:	42449
Ion	Ratio	Lower	Upper
53	100		
52	80.1	64.7	97.1
51	34.3	26.7	40.1

Manual Integrations
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#16

Acetone

Concen: 93.860 ug/l

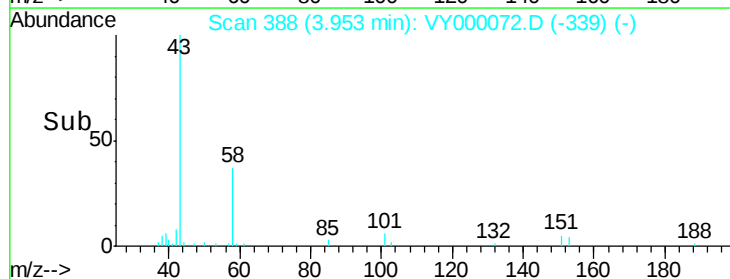
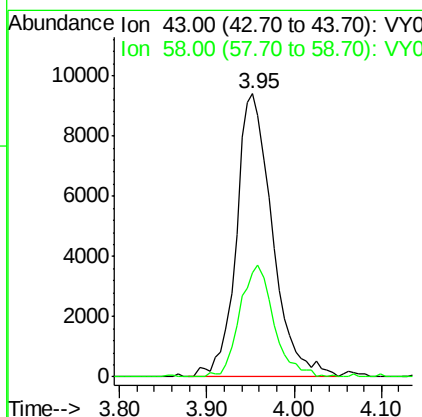
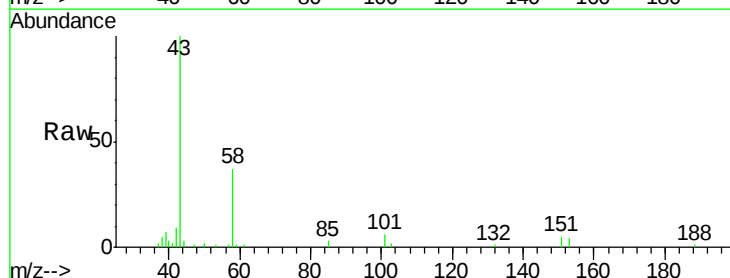
RT: 3.95 min Scan# 388

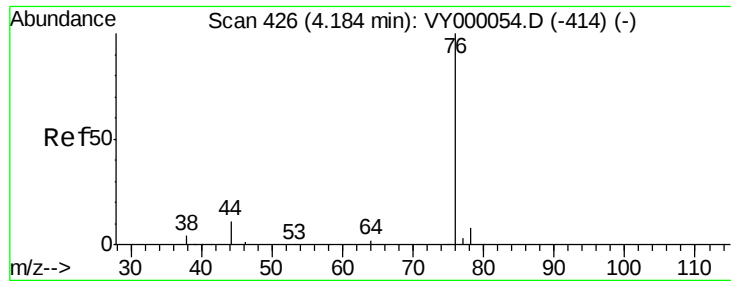
Delta R.T. -0.00 min

Lab File: VY000072.D

Acq: 19 Sep 2019 13:16

Tgt Ion:	43	Resp:	26898
Ion	Ratio	Lower	Upper
43	100		
58	36.7	34.5	51.7





#17

Carbon Disulfide

Concen: 13.686 ug/l

RT: 4.18 min Scan# 426

Delta R.T. 0.00 min

Lab File: VY000072.D

Acq: 19 Sep 2019 13:16

Instrument :

MSVOA_Y

ClientSampleId :

VY0919SBS01

Tot Ion: 76 Resp: 30048

Ion Ratio Lower Upper

76 100

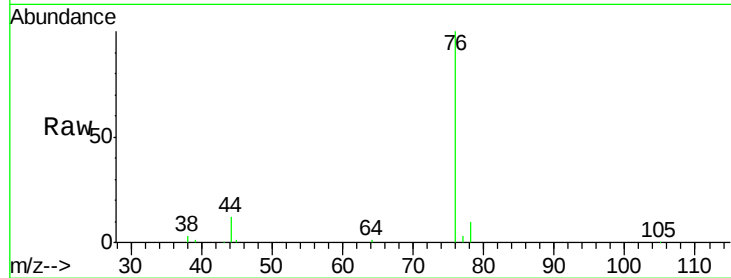
78 10.4 6.6 9.8#

Manual Integrations

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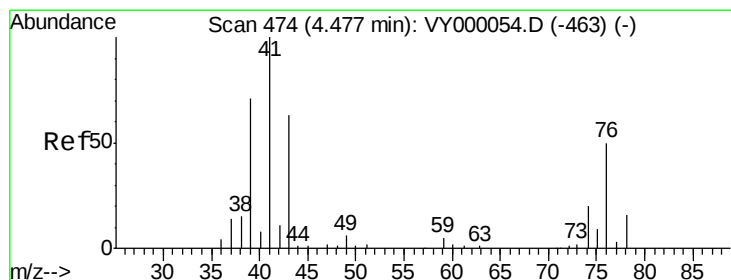
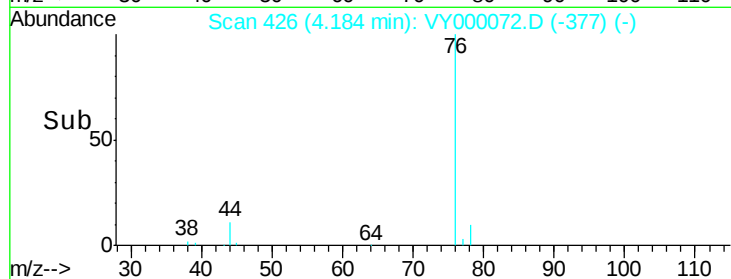
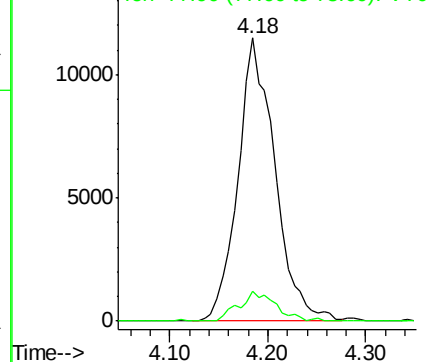
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Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#18

Methyl Acetate

Concen: 18.906 ug/l

RT: 4.48 min Scan# 474

Delta R.T. -0.00 min

Lab File: VY000072.D

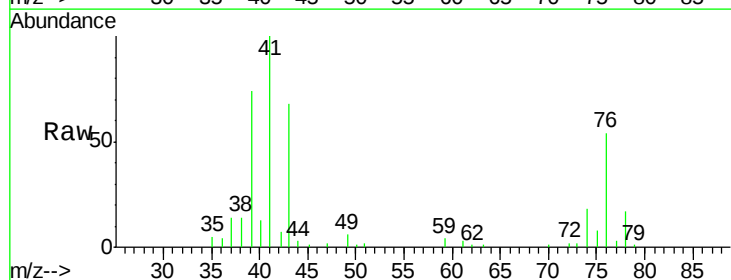
Acq: 19 Sep 2019 13:16

Tgt Ion: 43 Resp: 18101

Ion Ratio Lower Upper

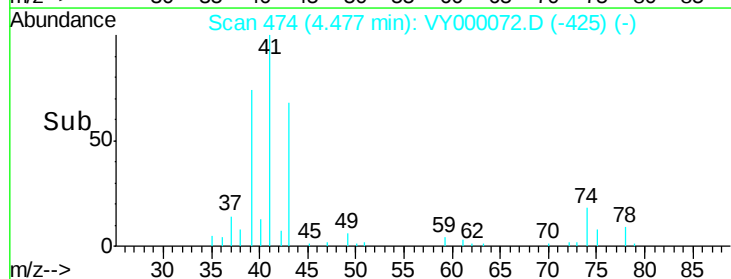
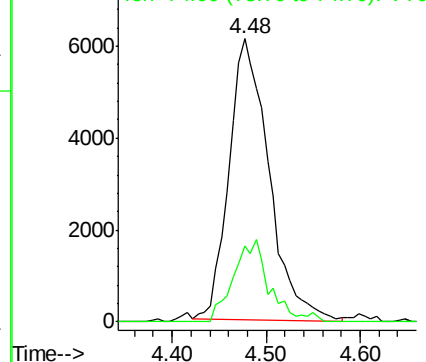
43 100

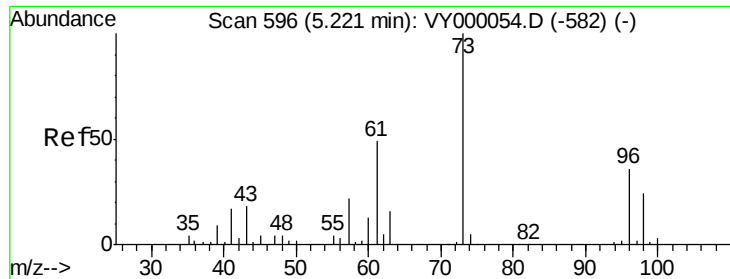
74 25.8 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0





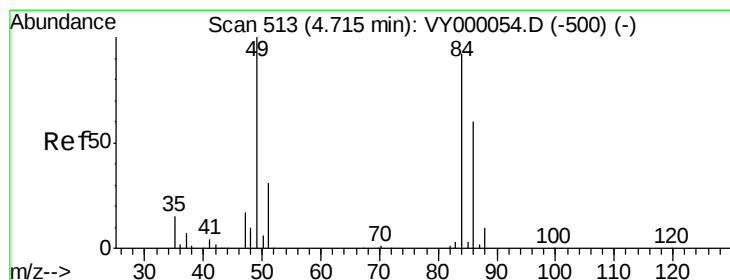
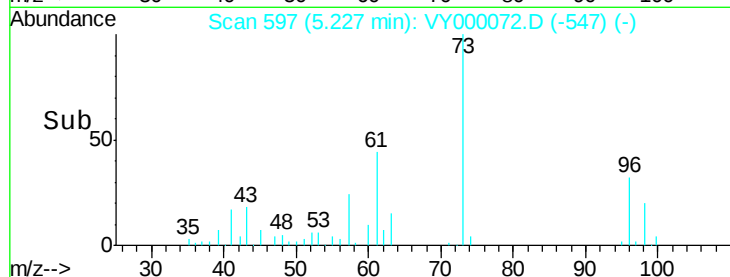
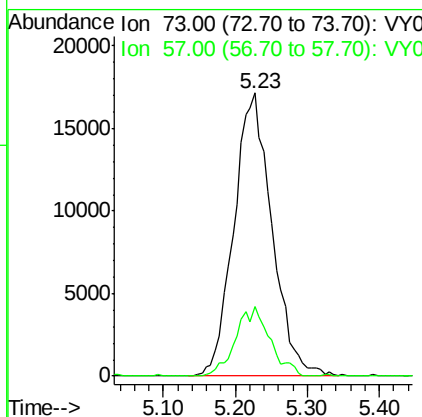
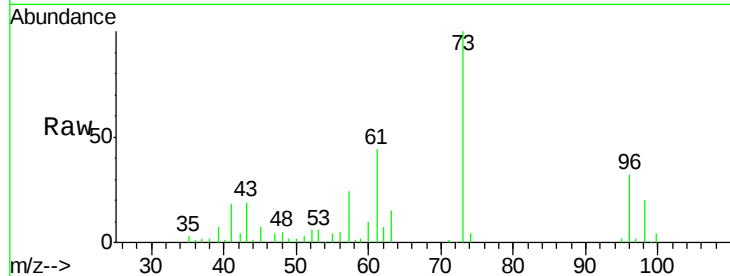
#19
Methvl tert-butvl Ether
Concen: 19.283 ug/l
RT: 5.23 min Scan# 597
Delta R.T. 0.01 min
Lab File: VY000072.D
Acq: 19 Sep 2019 13:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0919SBS01

Tot Ion: 73 Resp: 62903
Ion Ratio Lower Upper
73 100
57 24.4 17.5 26.3

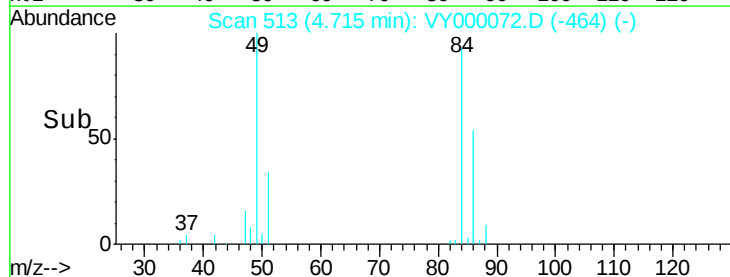
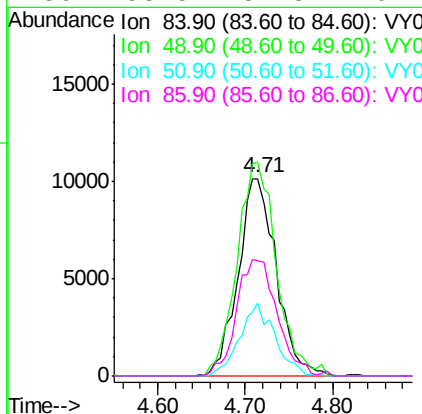
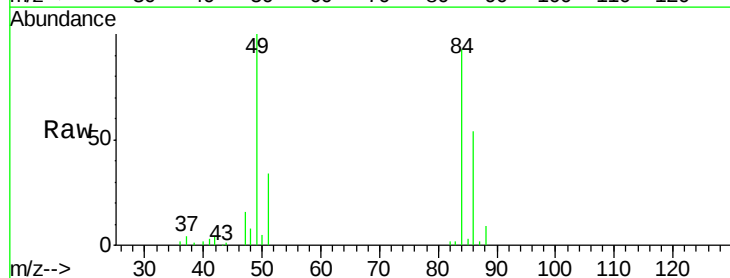
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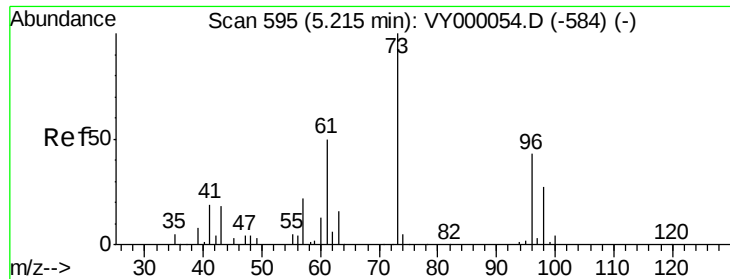
MMDadoda
9/24/2019 5:30:34 AM



#20
Methylene Chloride
Concen: 22.814 ug/l
RT: 4.71 min Scan# 513
Delta R.T. -0.00 min
Lab File: VY000072.D
Acq: 19 Sep 2019 13:16

Tgt Ion: 84 Resp: 30756
Ion Ratio Lower Upper
84 100
49 108.1 87.4 131.0
51 36.7 27.2 40.8
86 58.5 52.8 79.2





#21

trans-1,2-Dichloroethene

Concen: 17.907 ug/l

RT: 5.21 min Scan# 595

Delta R.T. -0.00 min

Lab File: VY000072.D

Acq: 19 Sep 2019 13:16

Instrument :

MSVOA_Y

ClientSampleId :

VY0919SBS01

Tot Ion: 96 Resp: 20778

Ion Ratio Lower Upper

96 100

61 114.9 94.0 141.0

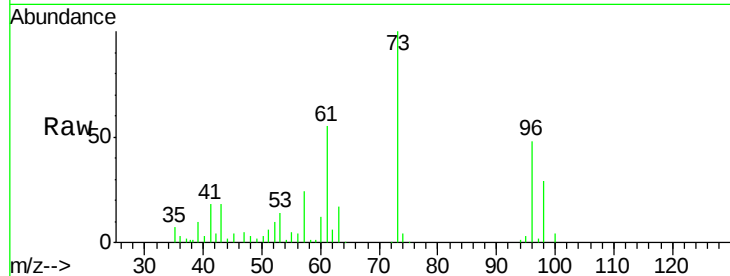
98 60.2 50.3 75.5

Manual Integrations

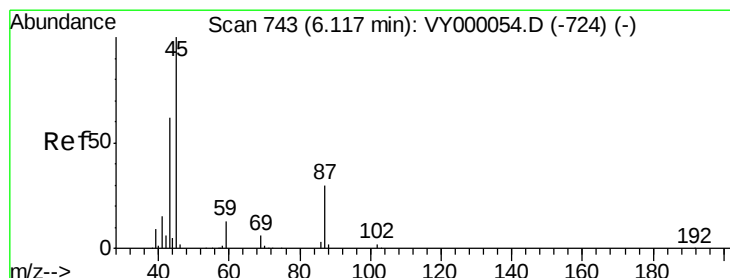
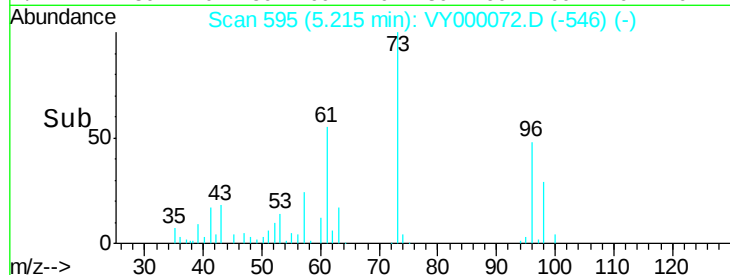
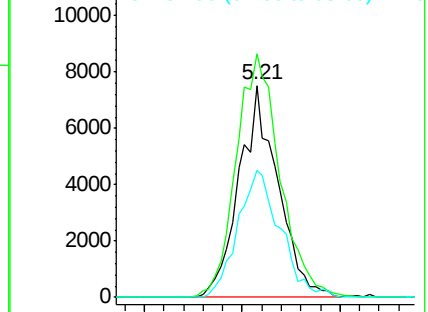
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Abundance Ion 95.90 (95.60 to 96.60): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 97.90 (97.60 to 98.60): VY0



#22

Diisopropyl ether

Concen: 19.951 ug/l

RT: 6.12 min Scan# 743

Delta R.T. -0.00 min

Lab File: VY000072.D

Acq: 19 Sep 2019 13:16

Tgt Ion: 45 Resp: 71914

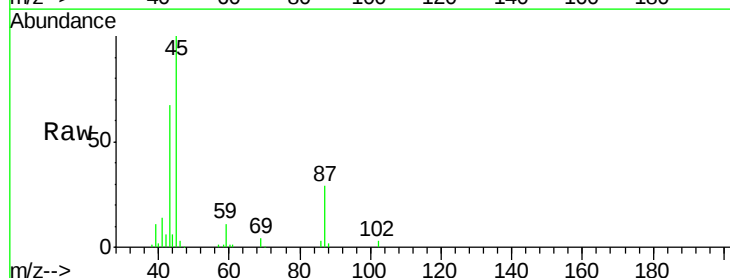
Ion Ratio Lower Upper

45 100

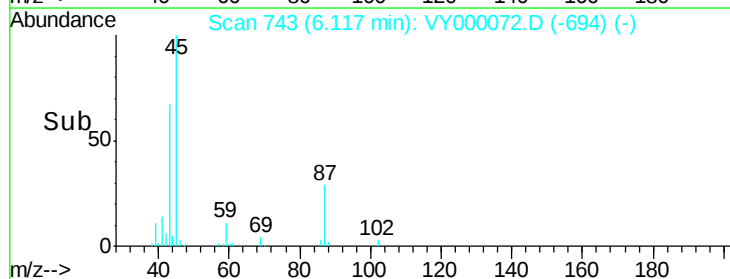
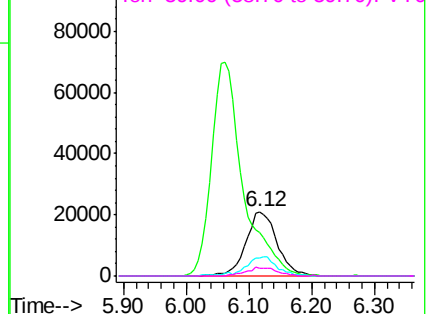
43 67.5 49.9 74.9

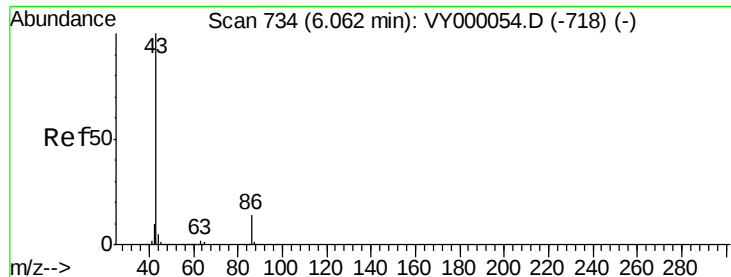
87 28.5 25.0 37.4

59 11.2 10.4 15.6



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





#23

Vinyl Acetate

Concen: 100.645 ug/l

RT: 6.06 min Scan# 734

Delta R.T. -0.00 min

Lab File: VY000072.D

Acq: 19 Sep 2019 13:16

Instrument :

MSVOA_Y

ClientSampleId :

VY0919SBS01

Tot Ion: 43 Resp: 242801

Ion Ratio Lower Upper

43 100

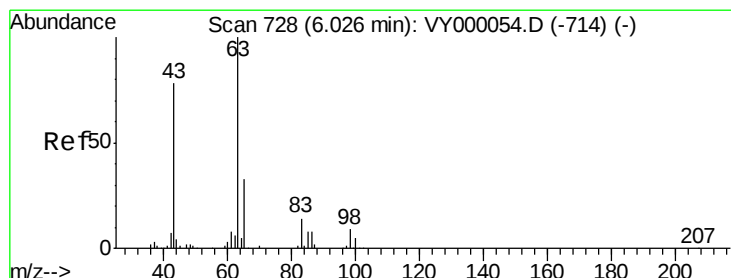
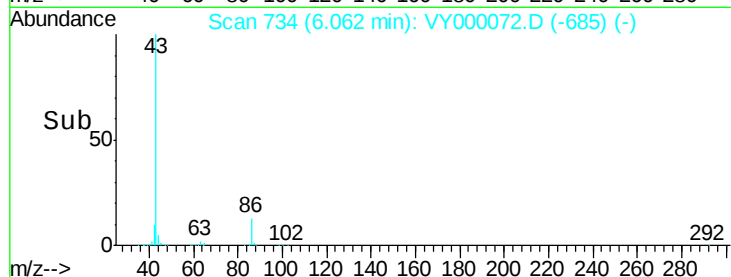
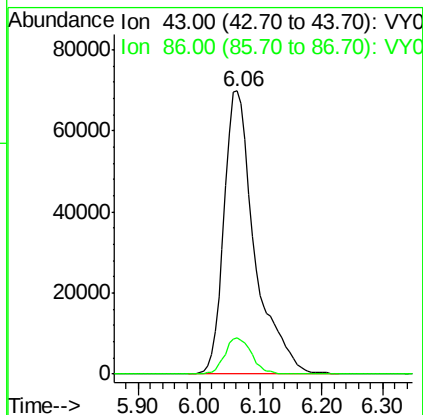
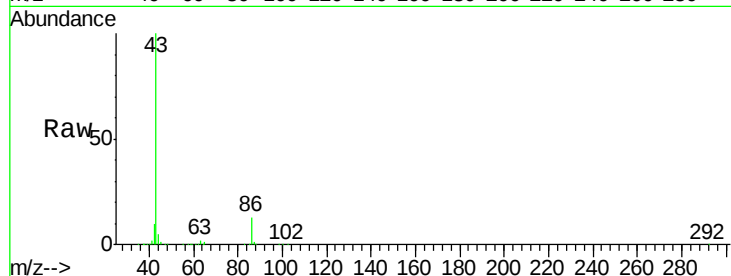
86 12.6 11.3 16.9

Manual Integrations

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9/24/2019 5:30:34 AM



#24

1,1-Dichloroethane

Concen: 19.206 ug/l

RT: 6.01 min Scan# 726

Delta R.T. -0.01 min

Lab File: VY000072.D

Acq: 19 Sep 2019 13:16

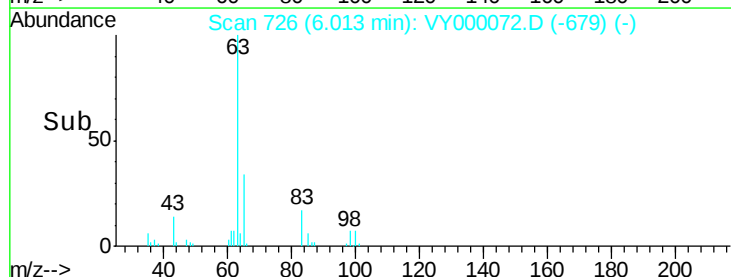
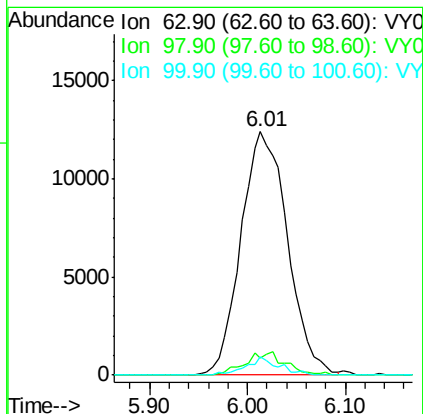
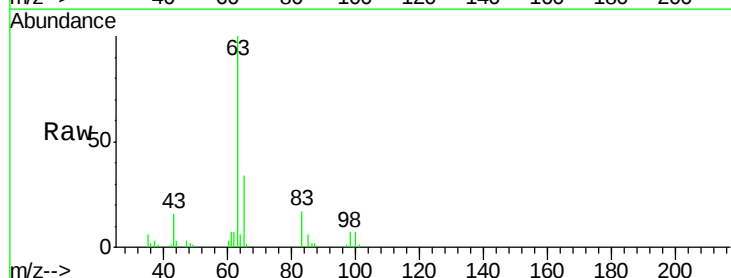
Tgt Ion: 63 Resp: 40974

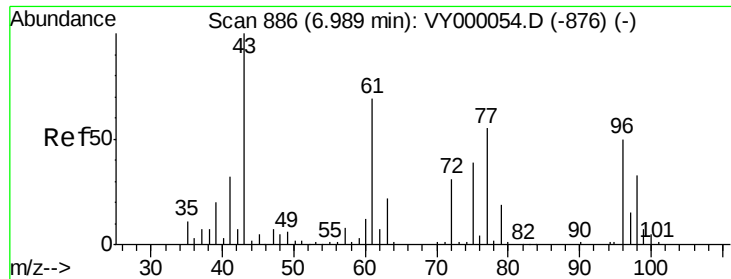
Ion Ratio Lower Upper

63 100

98 7.2 4.5 13.5

100 7.3 2.5 7.5





#25

2-Butanone

Concen: 97.645 ug/l

RT: 6.99 min Scan# 887

Delta R.T. 0.01 min

Lab File: VY000072.D

Acq: 19 Sep 2019 13:16

Instrument :

MSVOA_Y

ClientSampleId :

VY0919SBS01

Tot Ion: 43 Resp: 50684

Ion Ratio Lower Upper

43 100

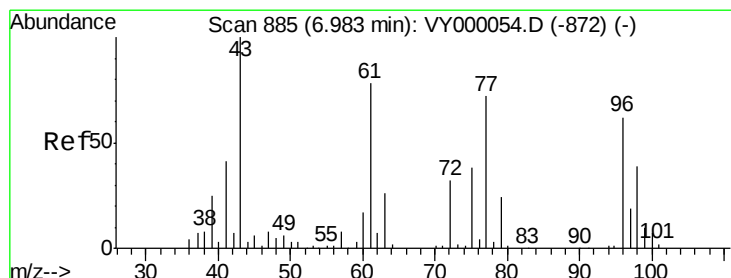
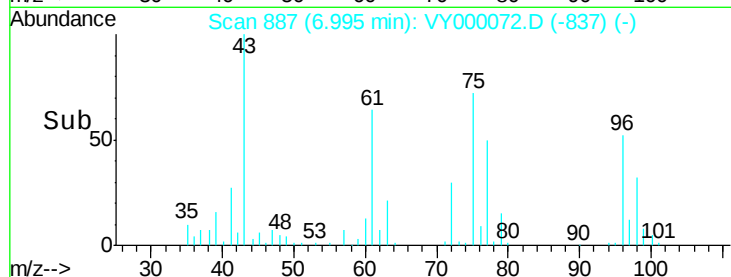
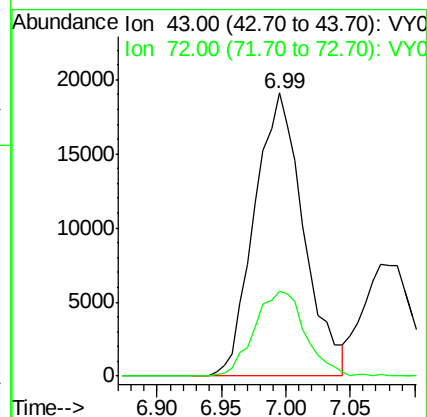
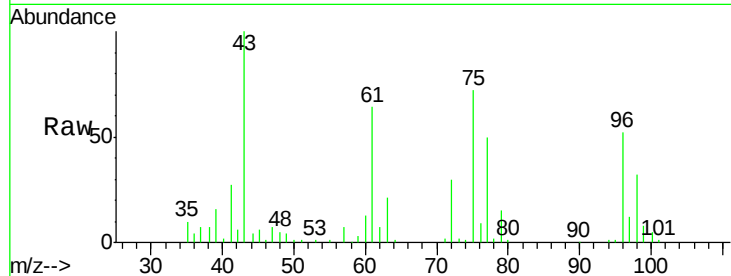
72 30.0 24.7 37.1

Manual Integrations

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MMDadoda

9/24/2019 5:30:34 AM



#26

2,2-Dichloropropane

Concen: 19.088 ug/l

RT: 6.98 min Scan# 885

Delta R.T. -0.00 min

Lab File: VY000072.D

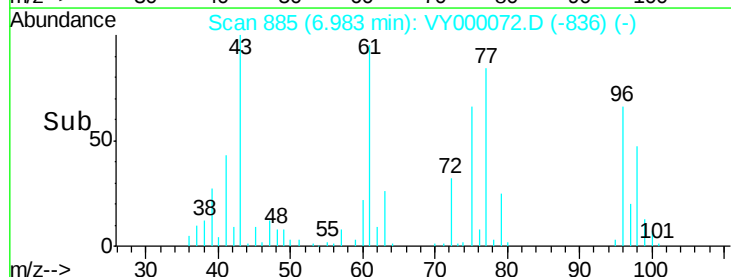
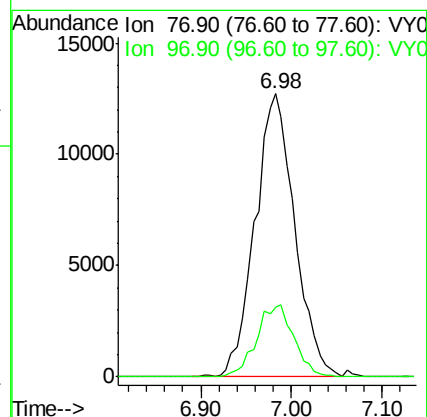
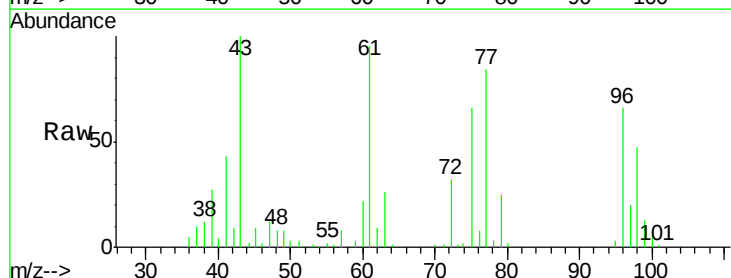
Acq: 19 Sep 2019 13:16

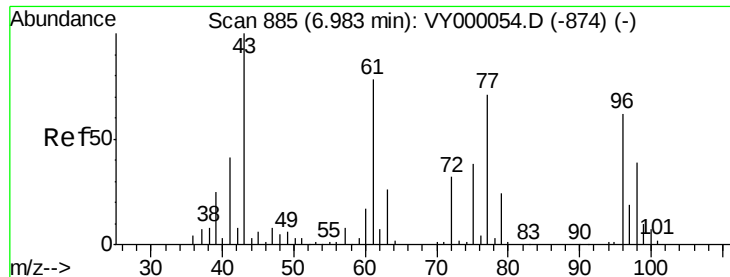
Tgt Ion: 77 Resp: 38432

Ion Ratio Lower Upper

77 100

97 23.8 12.5 37.5





#27

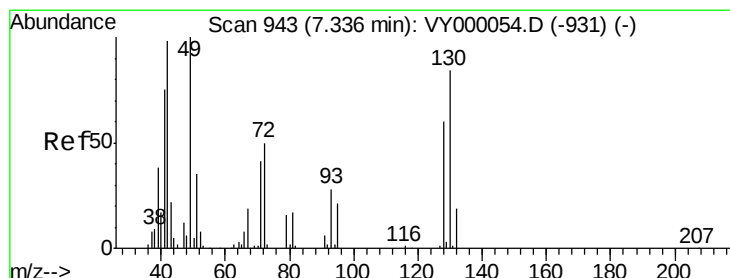
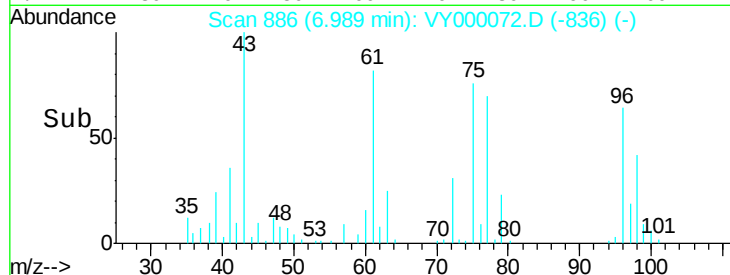
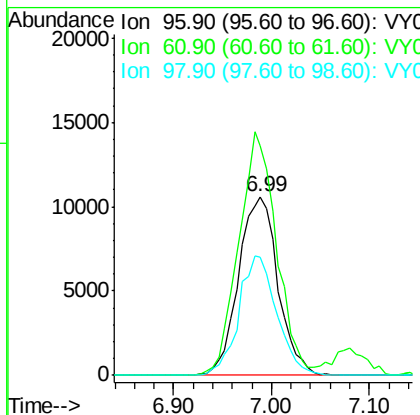
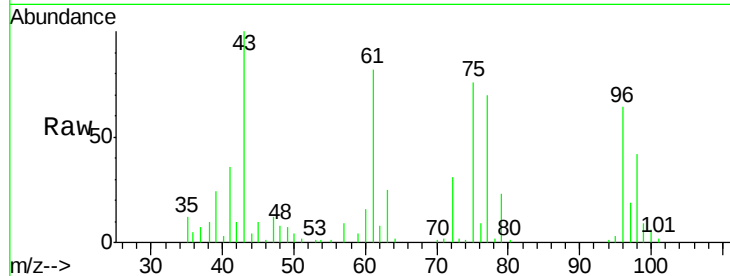
cis-1,2-Dichloroethene
Concen: 20.108 ug/l
RT: 6.99 min Scan# 886
Delta R.T. 0.01 min
Lab File: VY000072.D
Acq: 19 Sep 2019 13:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0919SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	29541		
61	131.0	0.0	263.0	
98	64.5	0.0	130.2	

Manual Integrations
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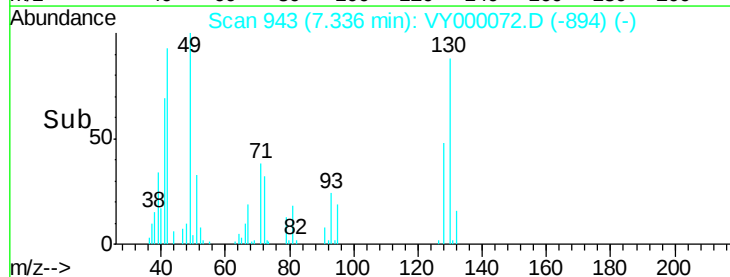
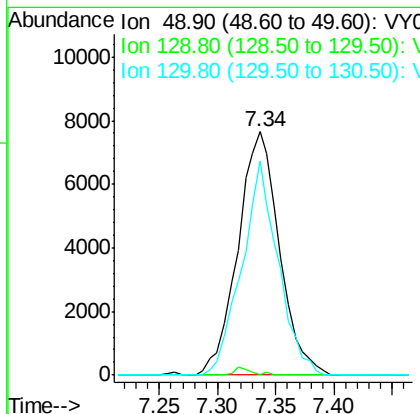
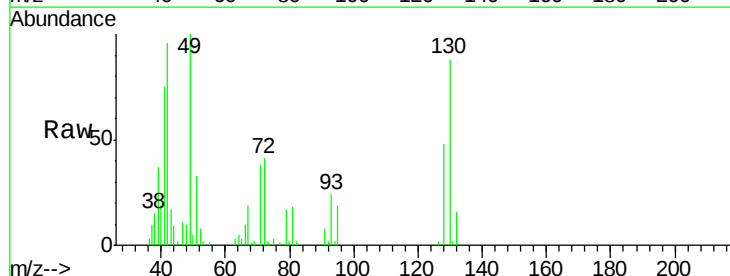
MMDadoda
9/24/2019 5:30:34 AM

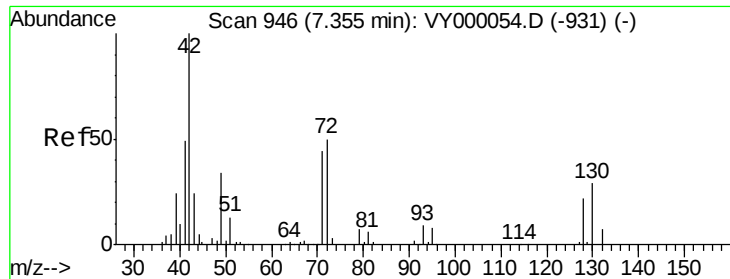


#28

Bromochloromethane
Concen: 19.103 ug/l
RT: 7.34 min Scan# 943
Delta R.T. -0.00 min
Lab File: VY000072.D
Acq: 19 Sep 2019 13:16

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	18891		
129	1.3	0.0	4.8	
130	77.2	66.2	99.4	





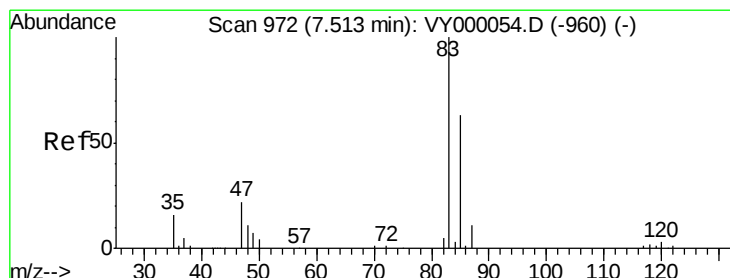
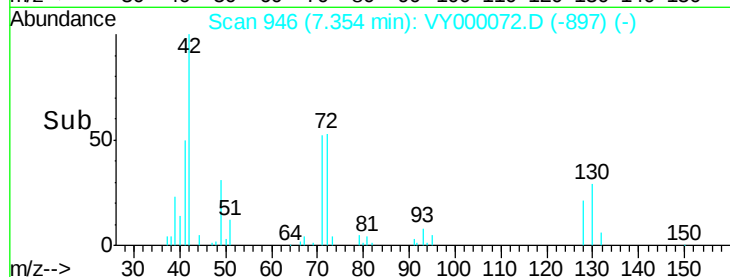
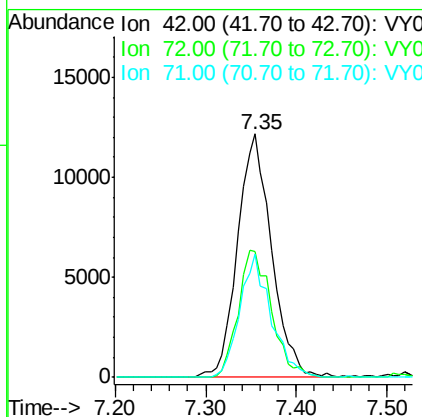
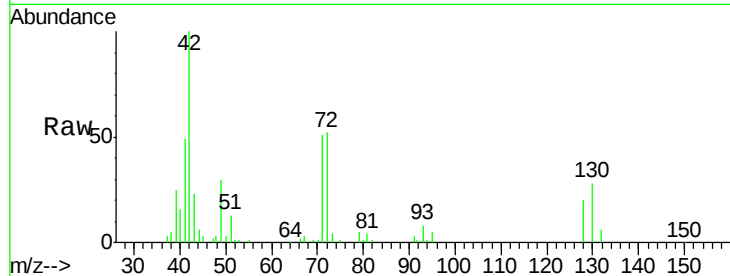
#29
Tetrahydrofuran
Concen: 101.891 ug/l
RT: 7.35 min Scan# 946
Delta R.T. -0.00 min
Lab File: VY000072.D
Acq: 19 Sep 2019 13:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0919SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	50.9	41.8	62.6
71	46.0	38.6	58.0

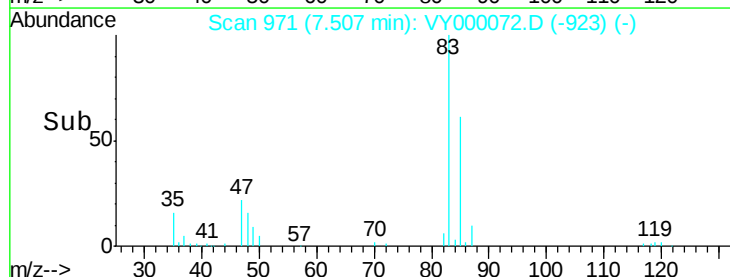
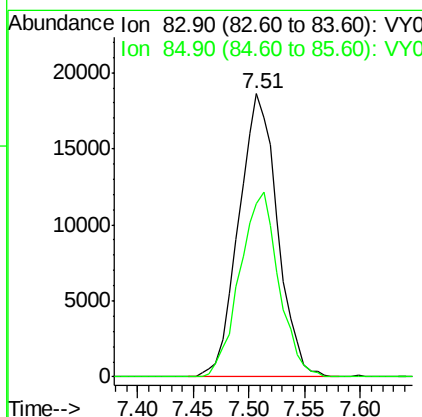
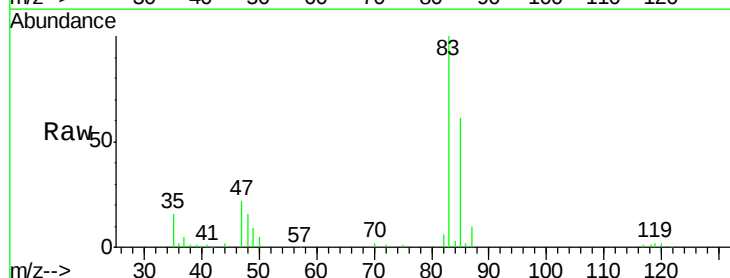
Manual Integrations
APPROVED

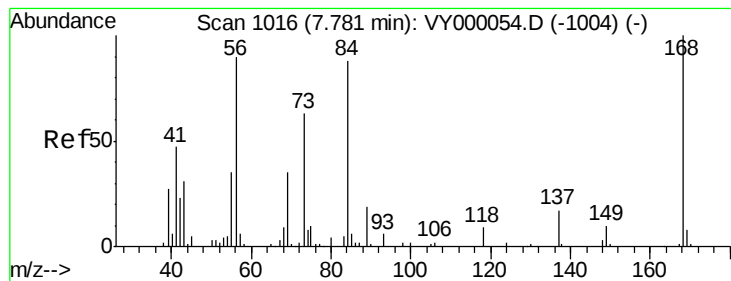
MMDadoda
9/24/2019 5:30:34 AM



#30
Chloroform
Concen: 20.389 ug/l
RT: 7.51 min Scan# 971
Delta R.T. -0.01 min
Lab File: VY000072.D
Acq: 19 Sep 2019 13:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.0	50.6	76.0





#31

Cyclohexane

Concen: 17.589 ug/l

RT: 7.78 min Scan# 1016

Delta R.T. 0.00 min

Lab File: VY000072.D

Acq: 19 Sep 2019 13:16

Instrument :

MSVOA_Y

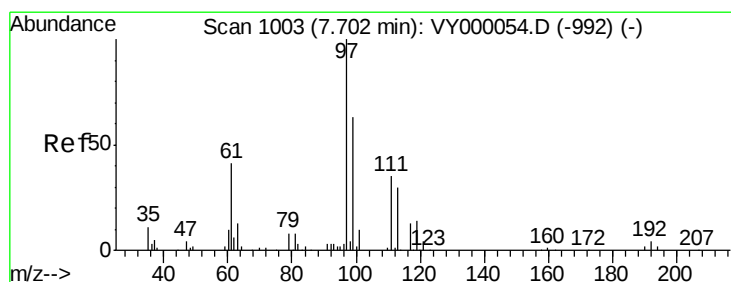
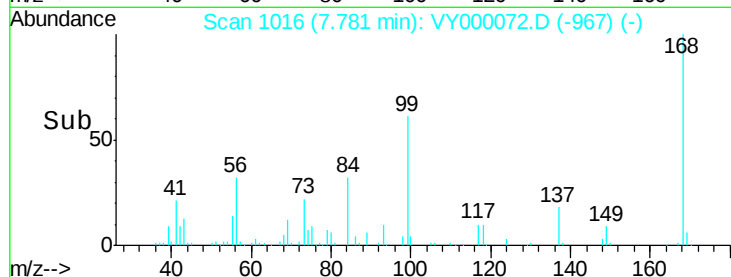
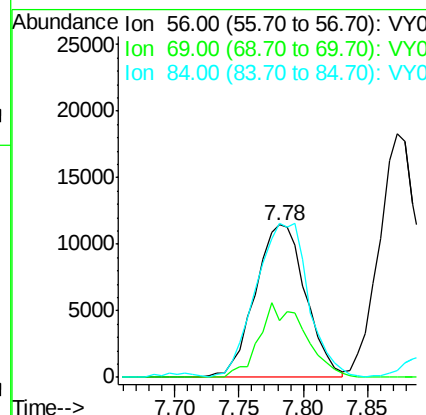
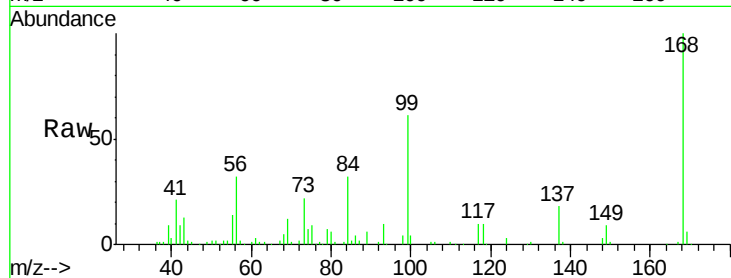
ClientSampleId :

VY0919SBS01

Tot Ion:	56	Resp:	31058
Ion	Ratio	Lower	Upper
56	100		
69	37.5	30.9	46.3
84	98.9	78.5	117.7

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.601 ug/l

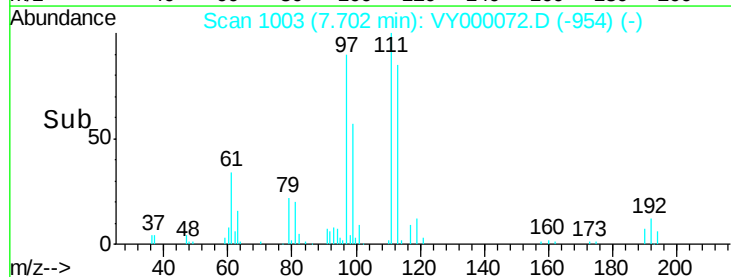
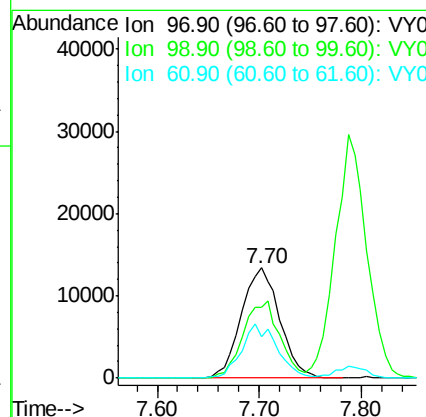
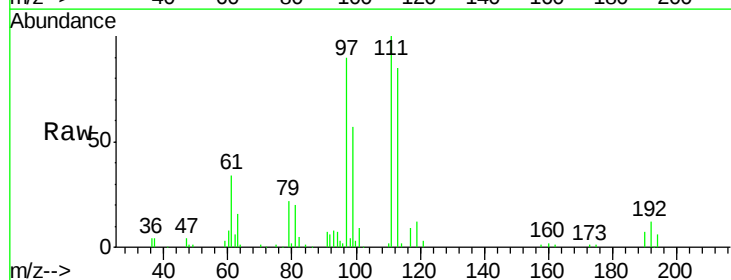
RT: 7.70 min Scan# 1003

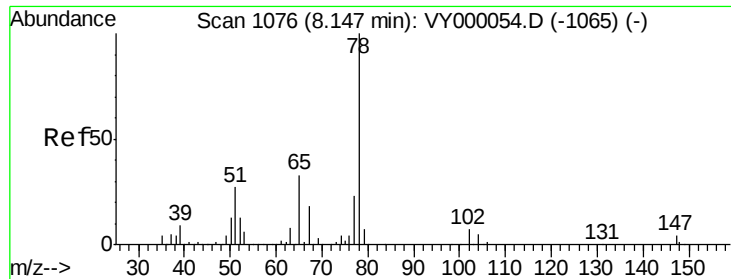
Delta R.T. -0.00 min

Lab File: VY000072.D

Acq: 19 Sep 2019 13:16

Tgt Ion:	97	Resp:	35052
Ion	Ratio	Lower	Upper
97	100		
99	66.8	51.8	77.6
61	45.6	34.3	51.5





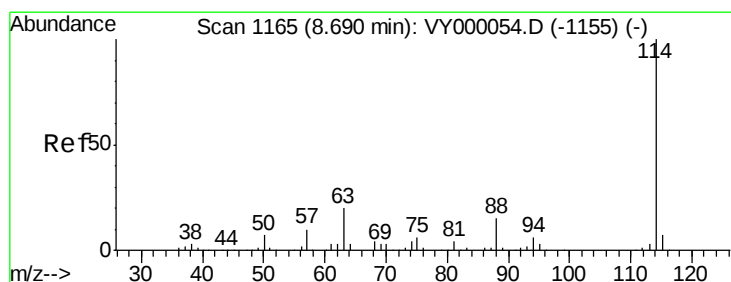
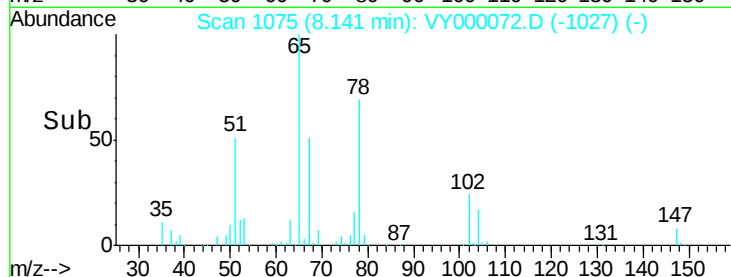
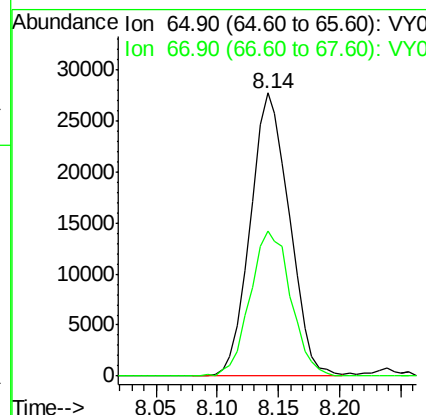
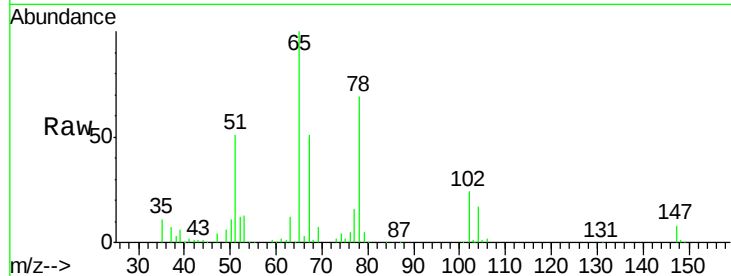
#33
 1,2-Dichloroethane-d4
 Concen: 49.877 ug/l
 RT: 8.14 min Scan# 1075
 Delta R.T. -0.01 min
 Lab File: VY000072.D
 Acq: 19 Sep 2019 13:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0919SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	61390		
67	53.6	0.0	111.0	

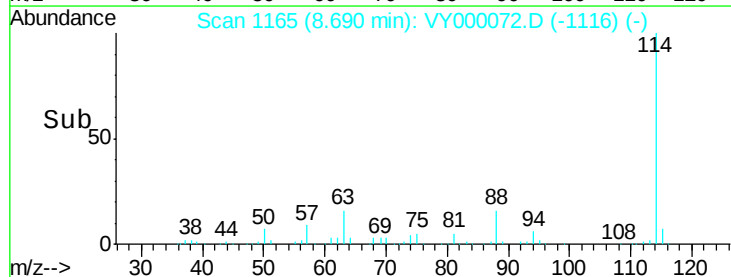
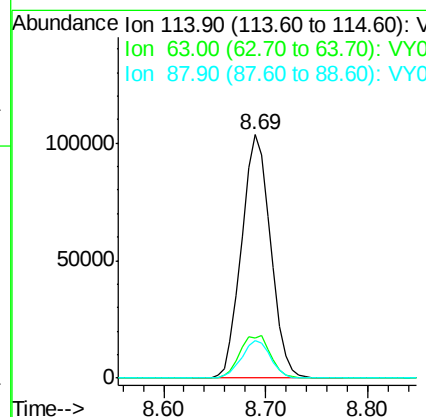
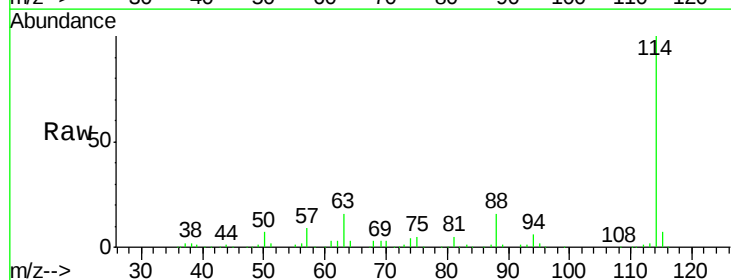
Manual Integrations
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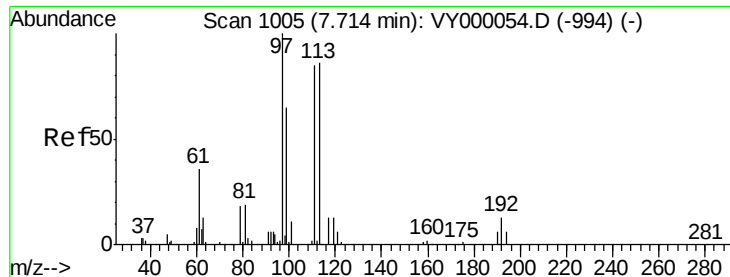
MMDadoda
 9/24/2019 5:30:34 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1165
 Delta R.T. -0.00 min
 Lab File: VY000072.D
 Acq: 19 Sep 2019 13:16

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	203945		
63	16.2	0.0	39.4	
88	15.6	0.0	30.2	





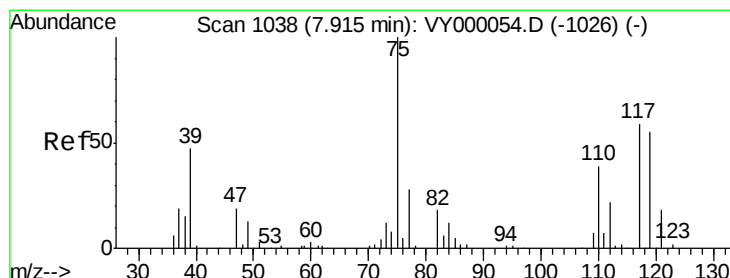
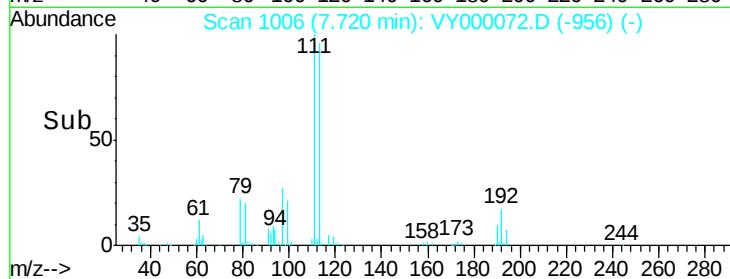
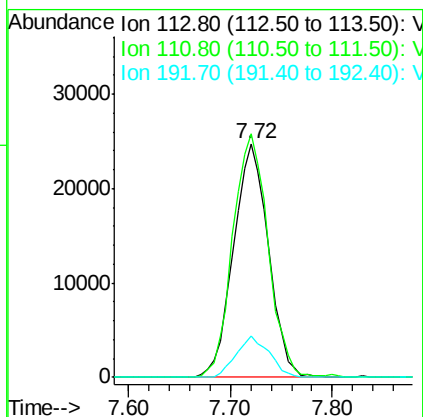
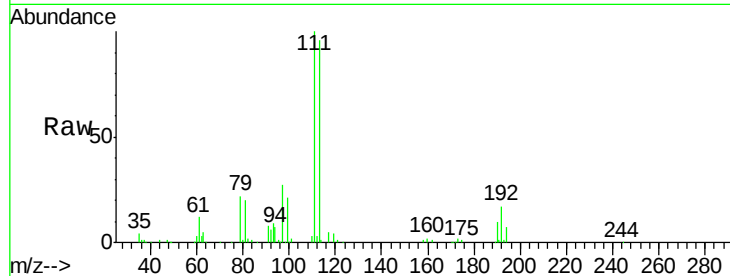
#35
 Dibromofluoromethane
 Concen: 47.654 ug/l
 RT: 7.72 min Scan# 1006
 Delta R.T. 0.01 min
 Lab File: VY000072.D
 Acq: 19 Sep 2019 13:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0919SBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.9	81.7	122.5
192	16.6	13.4	20.2

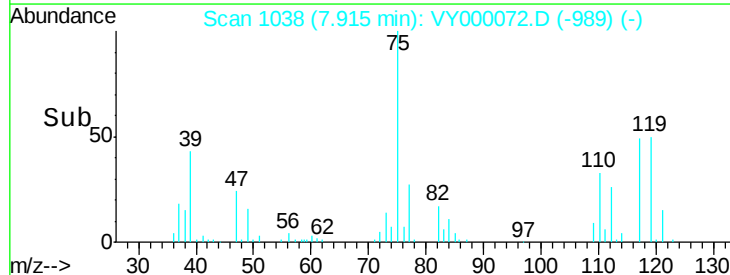
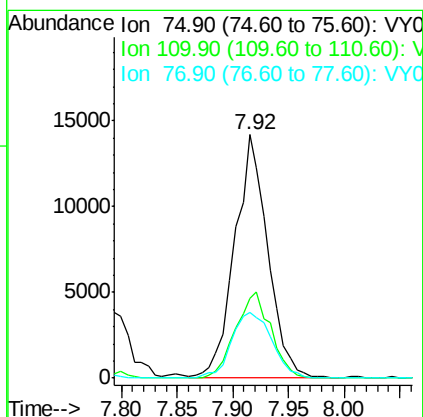
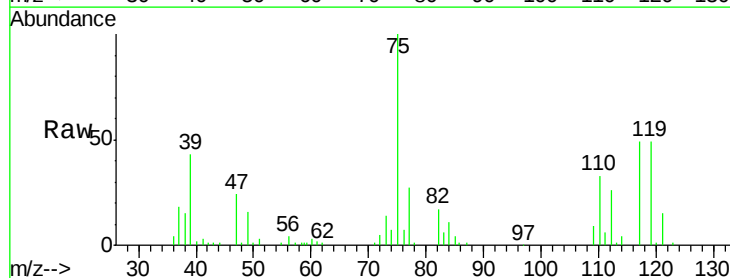
Manual Integrations
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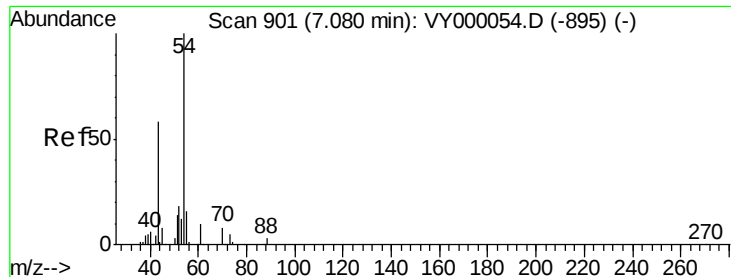
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 9/24/2019 5:30:34 AM



#36
 1,1-Dichloropropene
 Concen: 19.255 ug/l
 RT: 7.92 min Scan# 1038
 Delta R.T. -0.00 min
 Lab File: VY000072.D
 Acq: 19 Sep 2019 13:16

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.8	19.6	58.7
77	32.7	24.3	36.5





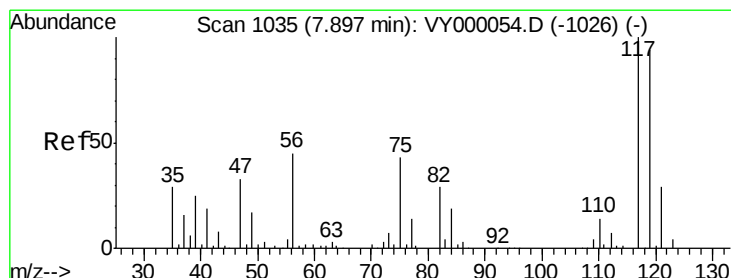
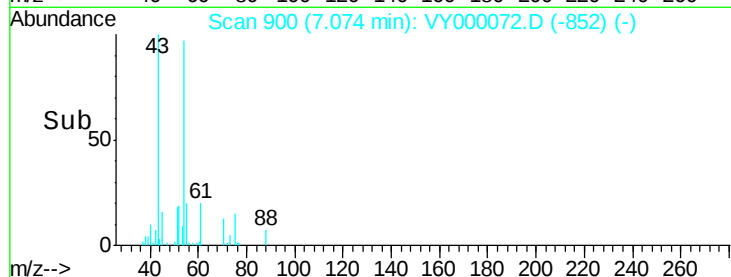
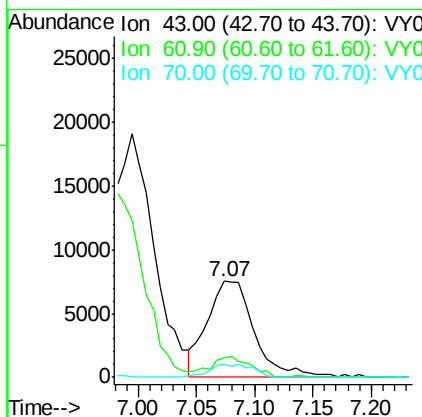
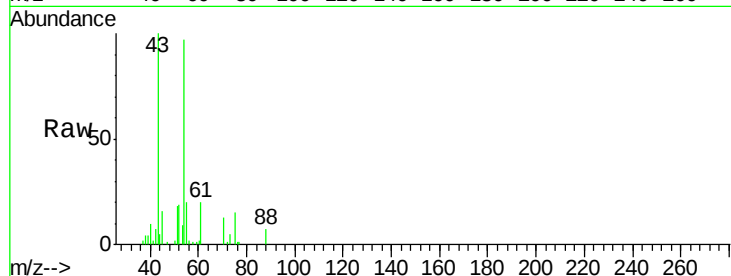
#37
Ethyl Acetate
Concen: 20.468 ug/l
RT: 7.07 min Scan# 900
Delta R.T. -0.01 min
Lab File: VY000072.D
Acq: 19 Sep 2019 13:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0919SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.0	14.1	21.1
70	12.6	10.6	15.8

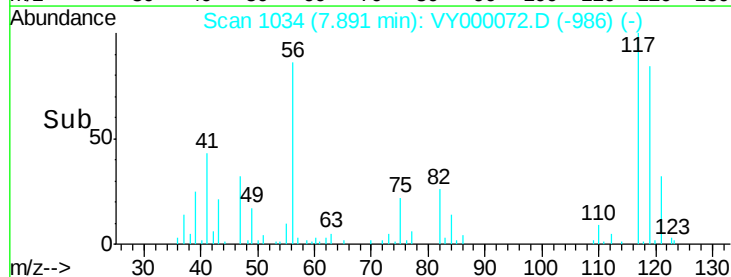
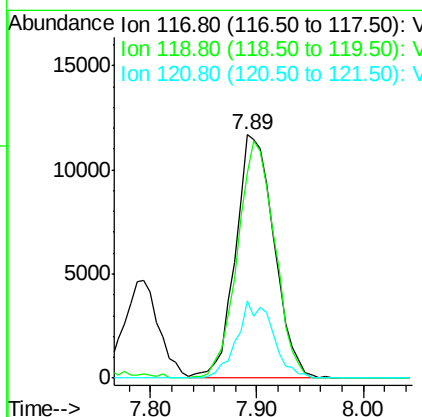
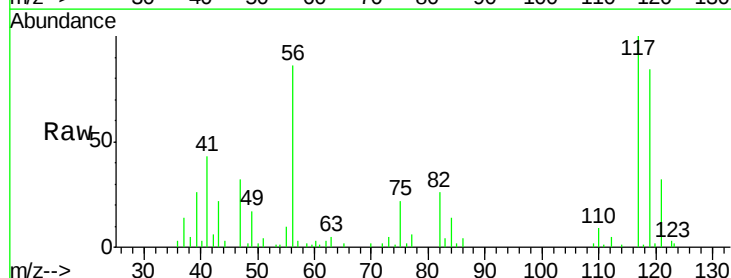
Manual Integrations
APPROVED

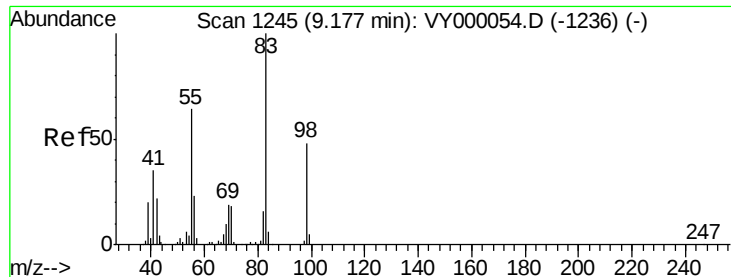
MMDadoda
9/24/2019 5:30:34 AM



#38
Carbon Tetrachloride
Concen: 20.697 ug/l
RT: 7.89 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VY000072.D
Acq: 19 Sep 2019 13:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	84.1	75.0	112.6
121	31.5	22.8	34.2





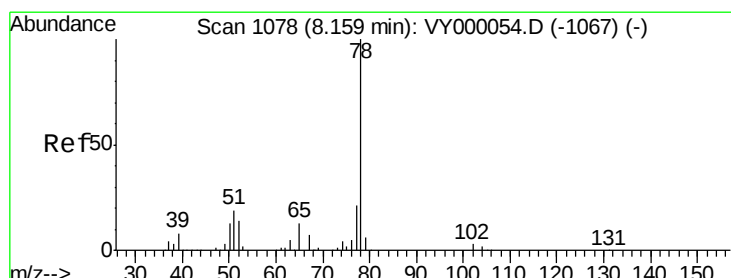
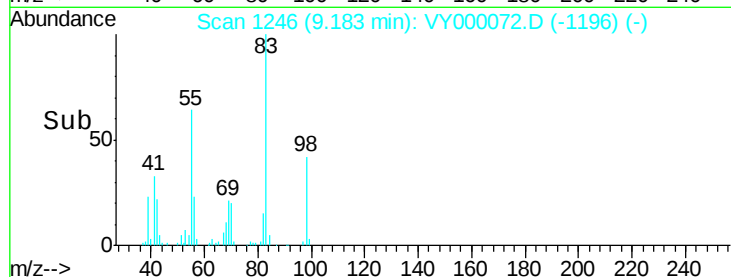
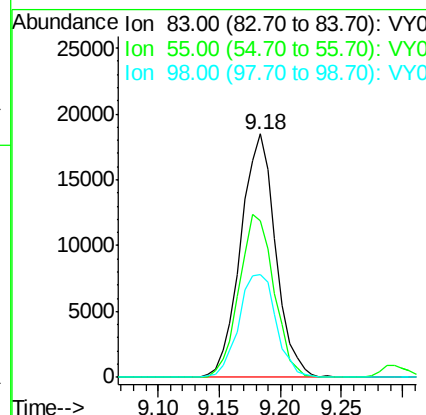
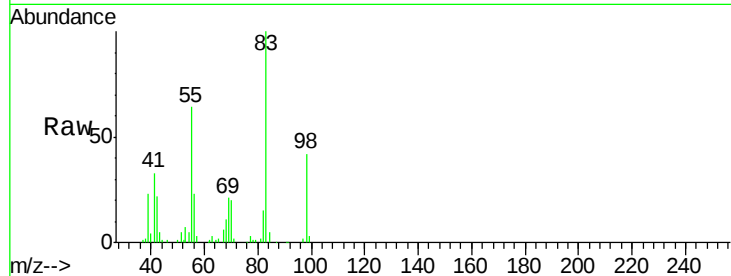
#39
Methvlcvclohexane
Concen: 19.578 ug/l
RT: 9.18 min Scan# 1246
Delta R.T. 0.01 min
Lab File: VY000072.D
Acq: 19 Sep 2019 13:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0919SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	64.5	51.0	76.6
98	42.1	38.5	57.7

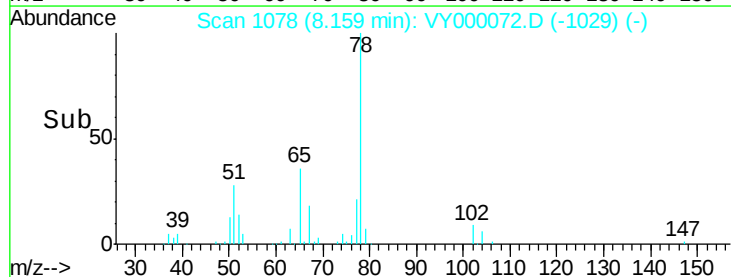
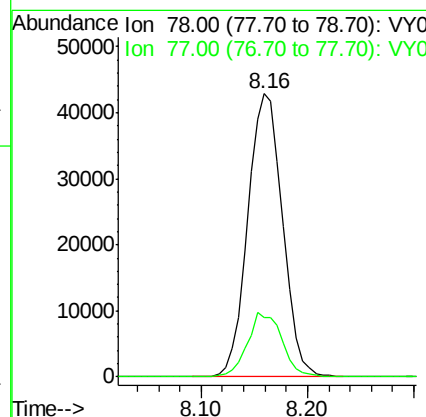
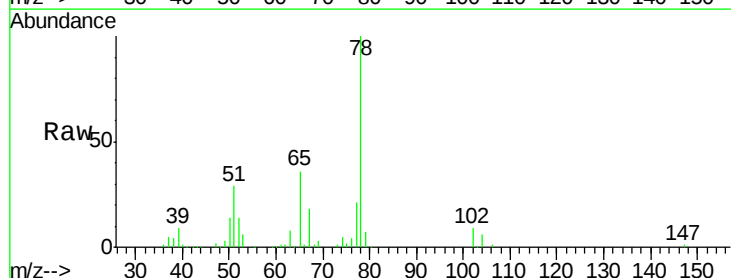
Manual Integrations
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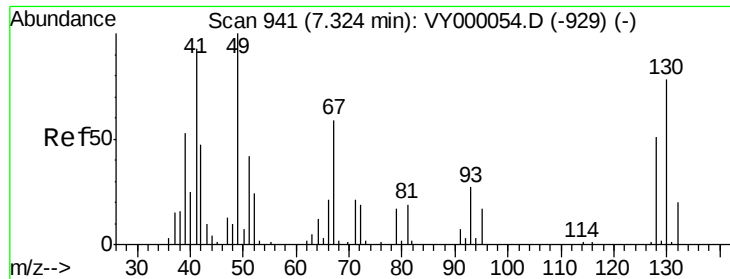
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#40
Benzene
Concen: 19.499 ug/l
RT: 8.16 min Scan# 1078
Delta R.T. -0.00 min
Lab File: VY000072.D
Acq: 19 Sep 2019 13:16

Tgt Ion	Ratio	Lower	Upper
78	100		
77	21.1	16.8	25.2





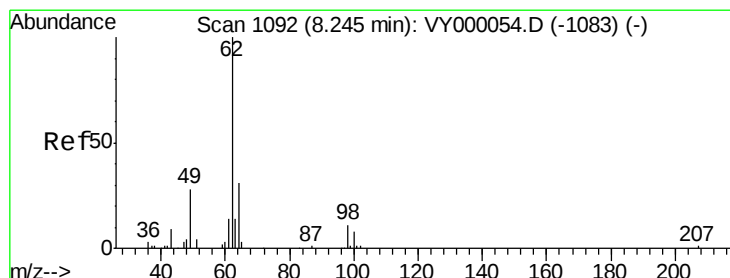
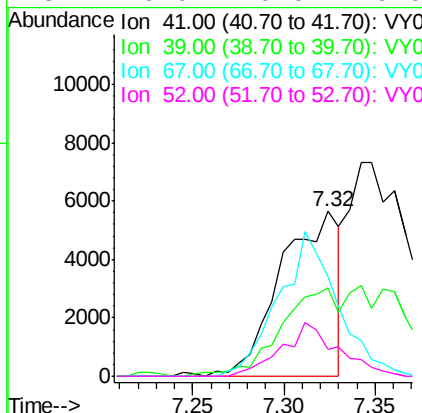
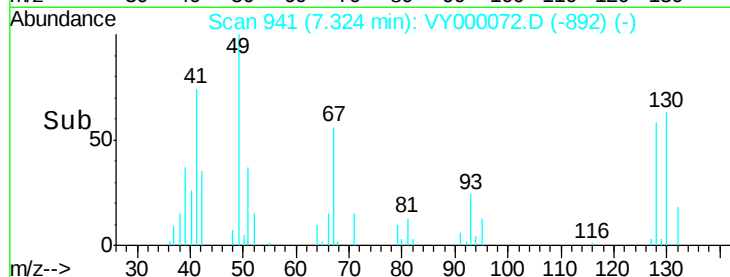
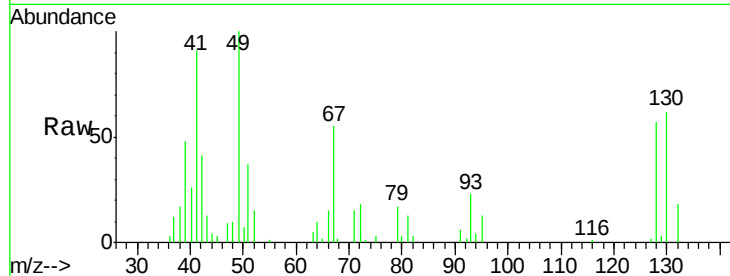
#41
Methacrylonitrile
Concen: 19.421 ug/l m
RT: 7.32 min Scan# 941
Delta R.T. -0.00 min
Lab File: VY000072.D
Acq: 19 Sep 2019 13:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0919SBS01

Tot Ion	41	Resp	12723
Ion Ratio	Lower	Upper	
41	100		
39	0.0	91.8	137.6#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

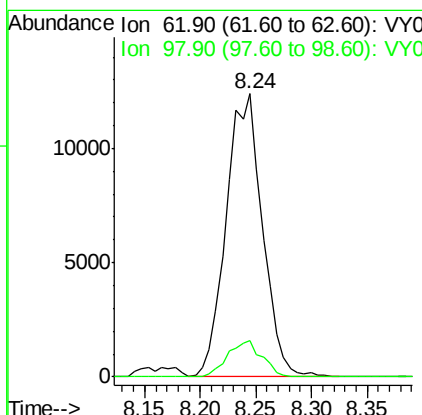
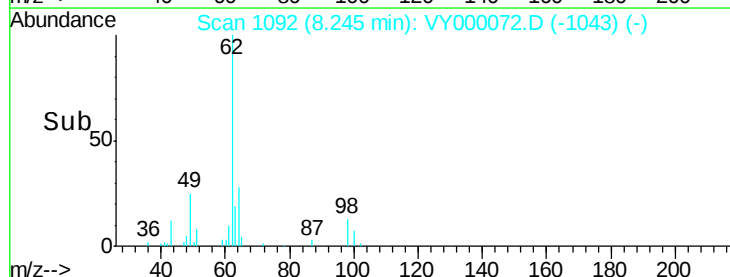
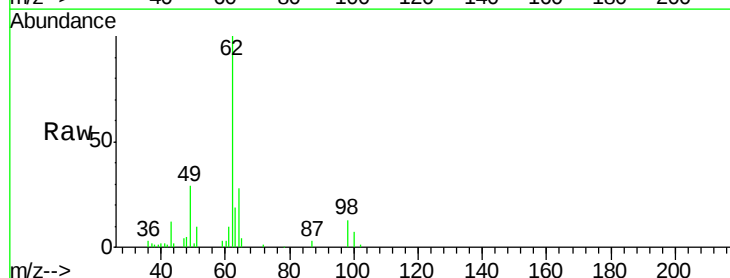
Manual Integrations
APPROVED

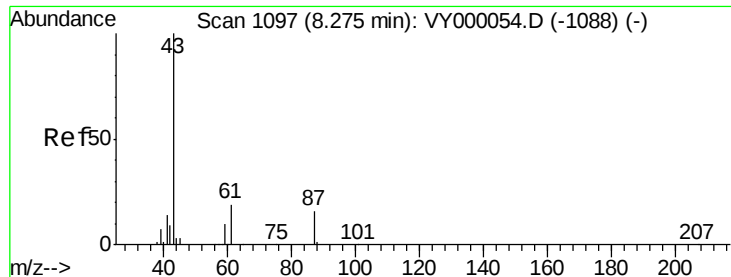
MMDadoda
9/24/2019 5:30:34 AM



#42
1,2-Dichloroethane
Concen: 20.982 ug/l
RT: 8.24 min Scan# 1092
Delta R.T. -0.00 min
Lab File: VY000072.D
Acq: 19 Sep 2019 13:16

Tgt Ion	62	Resp	27993
Ion Ratio	Lower	Upper	
62	100		
98	12.0	0.0	23.6





#43

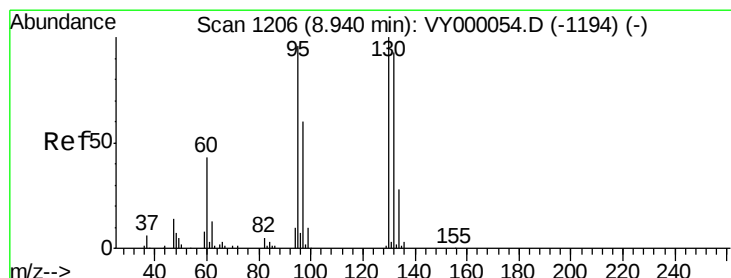
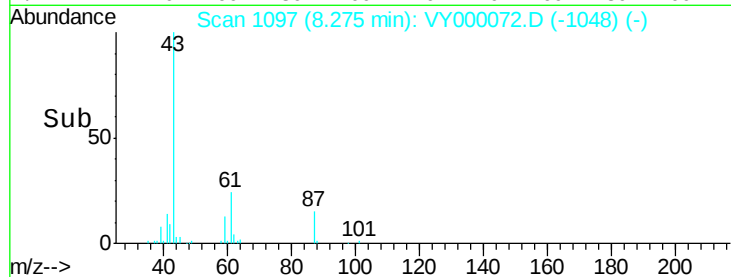
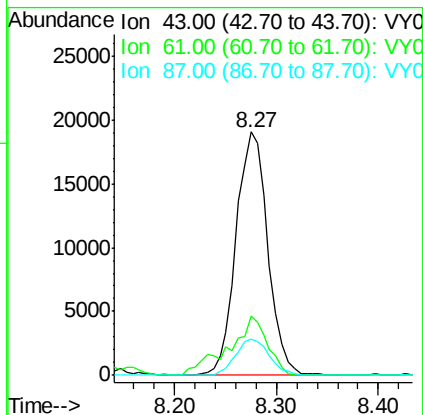
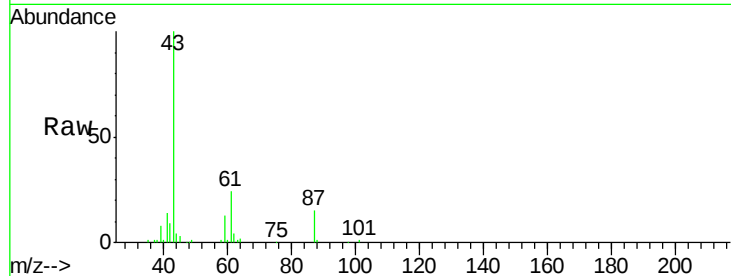
Isopropyl Acetate
 Concen: 20.638 ug/l
 RT: 8.27 min Scan# 1097
 Delta R.T. -0.00 min
 Lab File: VY000072.D
 Acq: 19 Sep 2019 13:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0919SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.5	25.0	37.6
87	15.7	12.4	18.6

Manual Integrations
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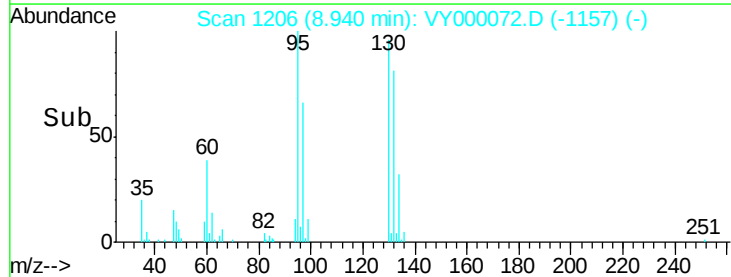
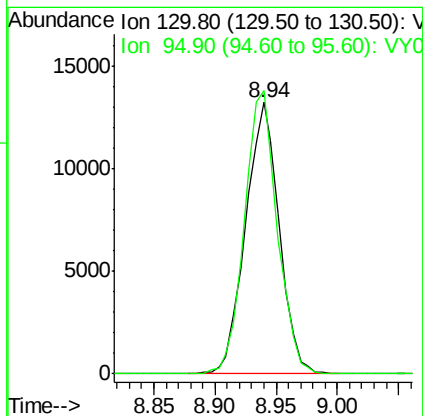
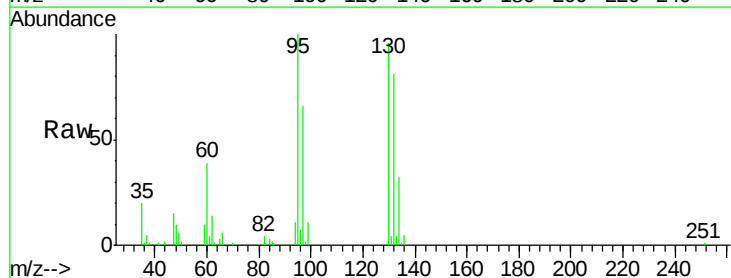
MMDadoda
 9/24/2019 5:30:34 AM

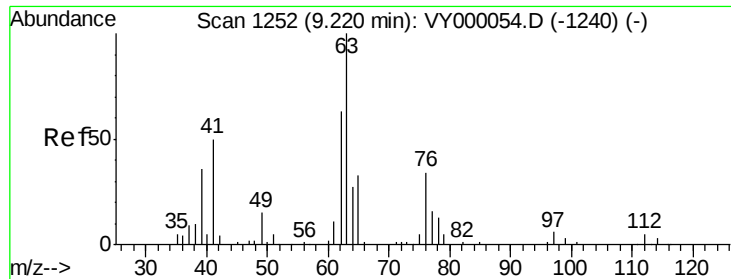


#44

Trichloroethene
 Concen: 19.599 ug/l
 RT: 8.94 min Scan# 1206
 Delta R.T. -0.00 min
 Lab File: VY000072.D
 Acq: 19 Sep 2019 13:16

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.3	0.0	192.0





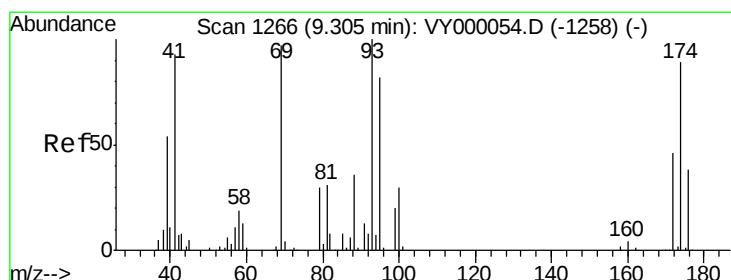
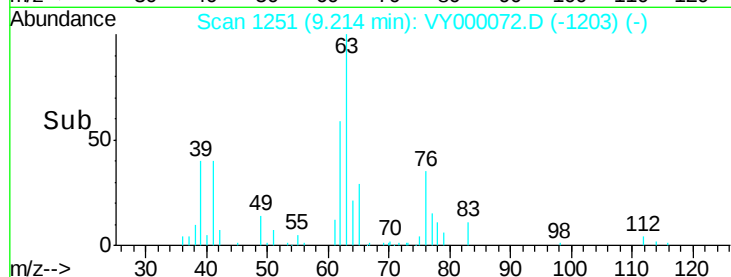
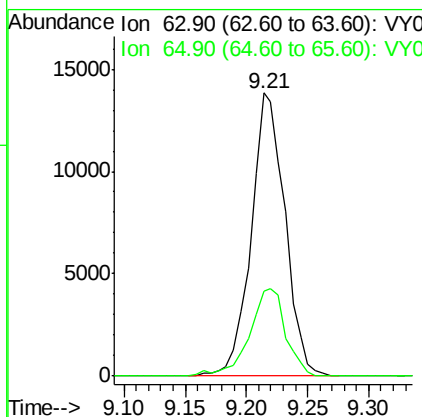
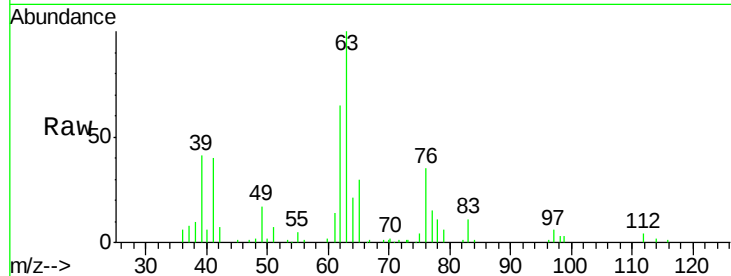
#45
 1,2-Dichloropropane
 Concen: 20.389 ug/l
 RT: 9.21 min Scan# 1251
 Delta R.T. -0.01 min
 Lab File: VY000072.D
 Acq: 19 Sep 2019 13:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0919SBS01

Tot Ion: 63 Resp: 26602
 Ion Ratio Lower Upper
 63 100
 65 30.0 26.2 39.4

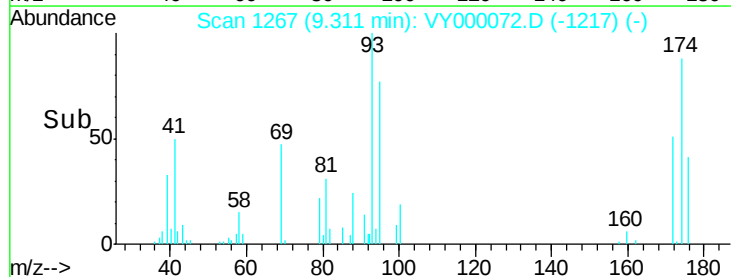
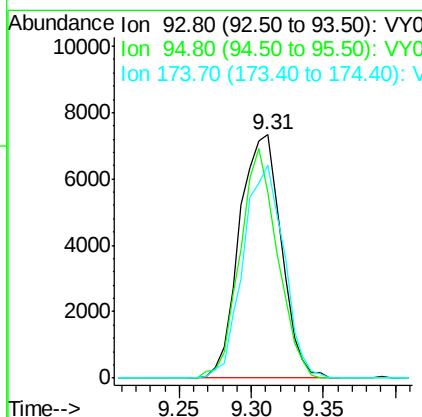
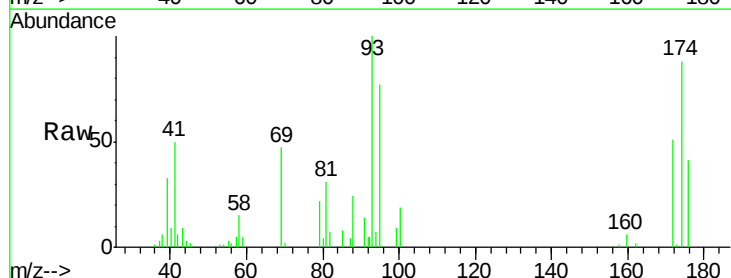
Manual Integrations
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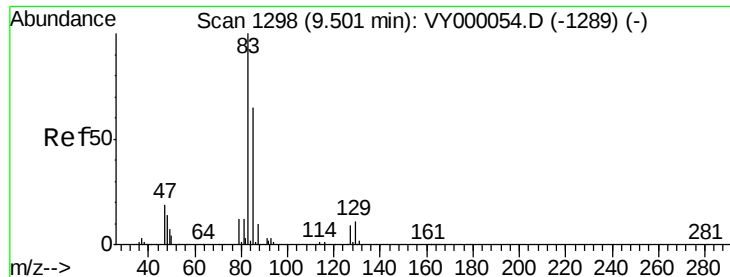
MMDadoda
 9/24/2019 5:30:34 AM



#46
 Dibromomethane
 Concen: 20.711 ug/l
 RT: 9.31 min Scan# 1267
 Delta R.T. 0.01 min
 Lab File: VY000072.D
 Acq: 19 Sep 2019 13:16

Tgt Ion: 93 Resp: 14760
 Ion Ratio Lower Upper
 93 100
 95 84.5 68.1 102.1
 174 85.4 67.8 101.6





#47

Bromodichloromethane

Concen: 20.701 ug/l

RT: 9.50 min Scan# 1298

Delta R.T. -0.00 min

Lab File: VY000072.D

Acq: 19 Sep 2019 13:16

Instrument :

MSVOA_Y

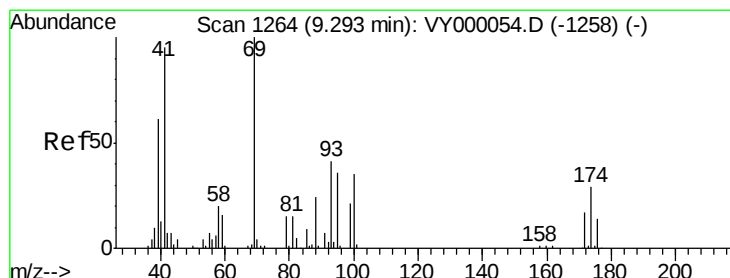
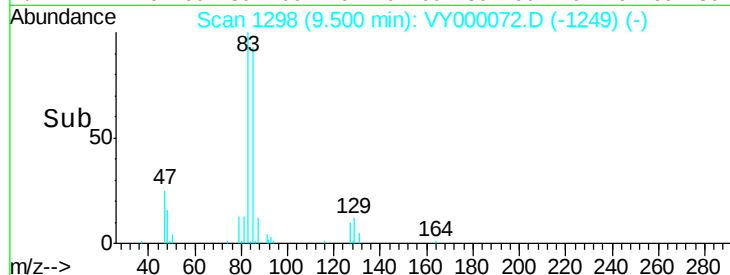
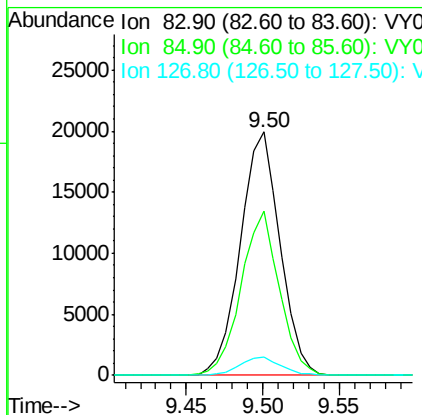
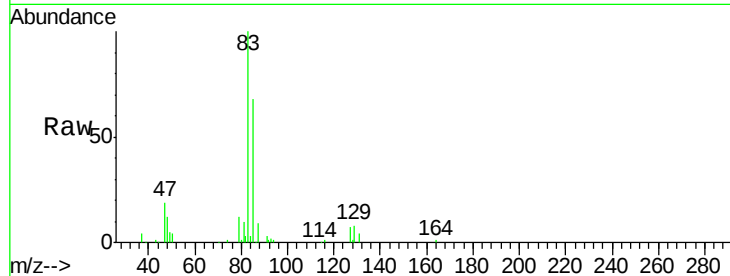
ClientSampleId :

VY0919SBS01

Tot Ion:	83	Resp:	35800
Ion	Ratio	Lower	Upper
83	100		
85	67.6	52.3	78.5
127	7.4	6.8	10.2

Manual Integrations
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MMDadoda
9/24/2019 5:30:34 AM



#48

Methyl methacrylate

Concen: 20.512 ug/l

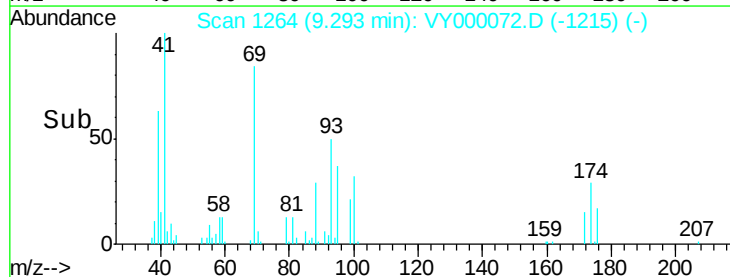
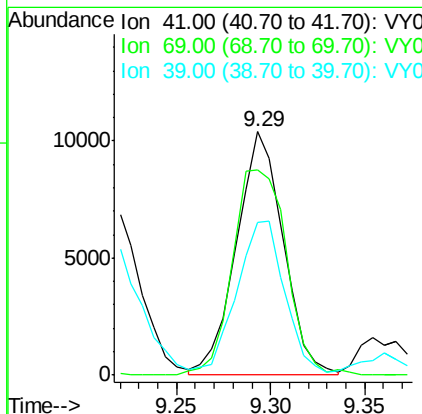
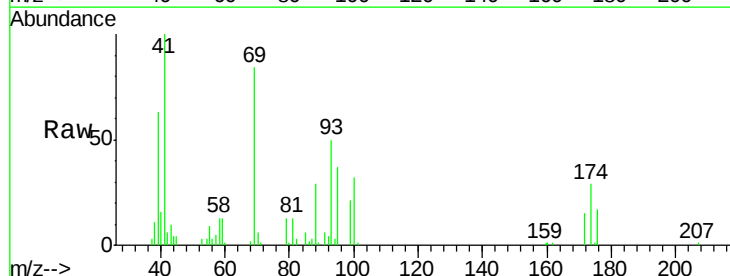
RT: 9.29 min Scan# 1264

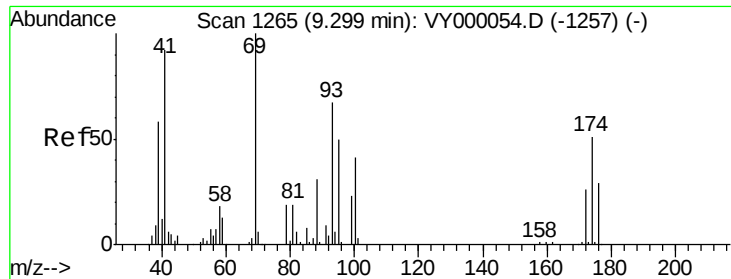
Delta R.T. -0.00 min

Lab File: VY000072.D

Acq: 19 Sep 2019 13:16

Tgt Ion:	41	Resp:	17933
Ion	Ratio	Lower	Upper
41	100		
69	97.2	78.1	117.1
39	65.2	49.4	74.0





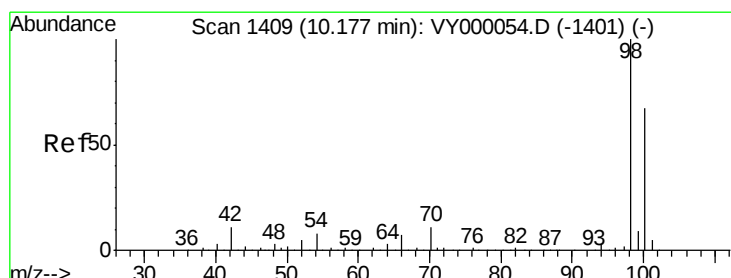
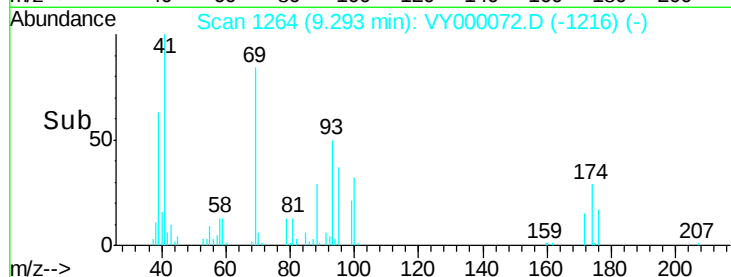
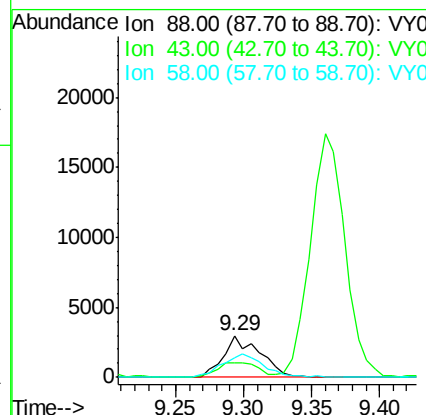
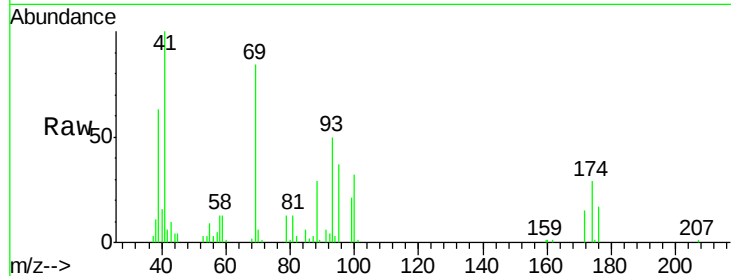
#49
1,4-Dioxane
Concen: 399.517 ug/l
RT: 9.29 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VY000072.D
Acq: 19 Sep 2019 13:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0919SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.0	18.7	28.1
58	65.4	53.0	79.6

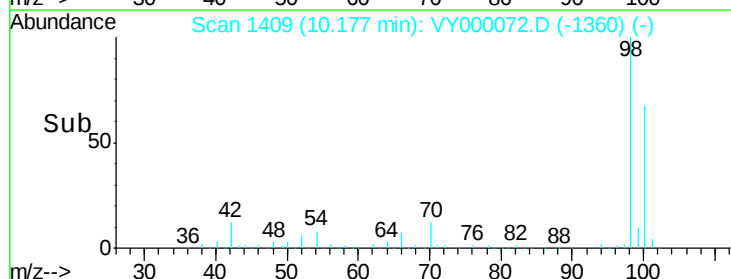
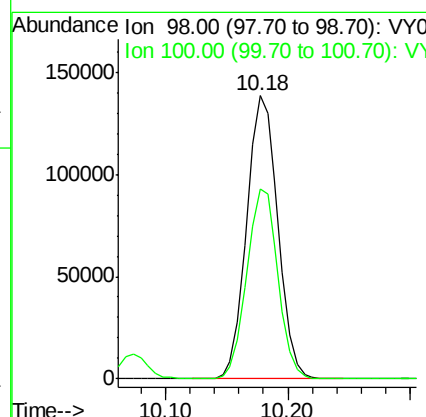
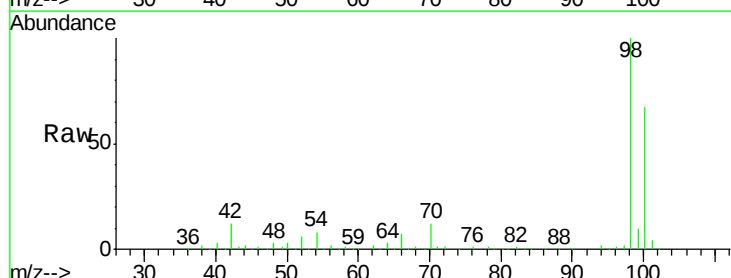
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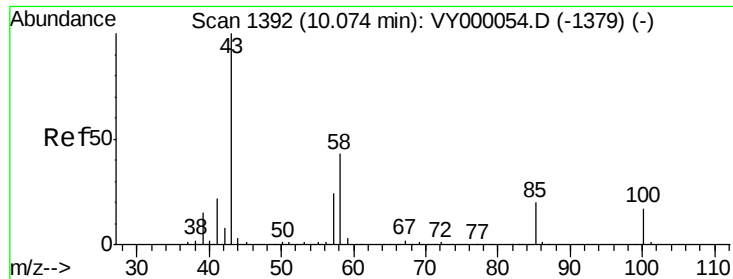
MMDadoda
9/24/2019 5:30:34 AM



#50
Toluene-d8
Concen: 50.485 ug/l
RT: 10.18 min Scan# 1409
Delta R.T. -0.00 min
Lab File: VY000072.D
Acq: 19 Sep 2019 13:16

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.9	53.1	79.7





#51

4-Methyl-2-Pentanone

Concen: 102.222 ug/l

RT: 10.07 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VY000072.D

Acq: 19 Sep 2019 13:16

Instrument :

MSVOA_Y

ClientSampleId :

VY0919SBS01

Tot Ion: 43 Resp: 110952

Ion Ratio Lower Upper

43 100

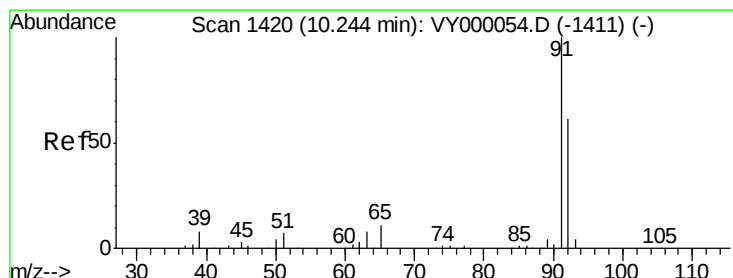
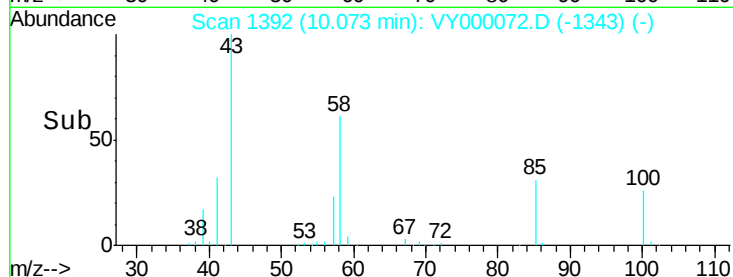
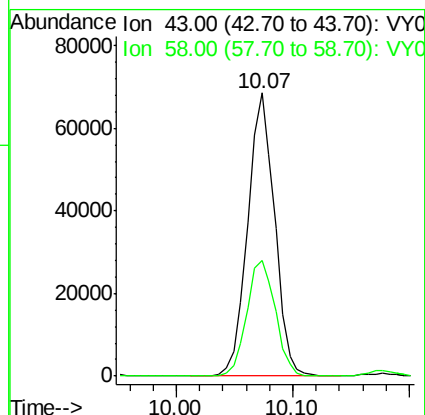
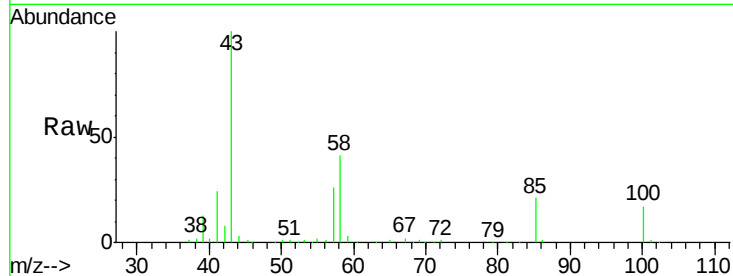
58 43.5 34.2 51.2

Manual Integrations

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MMDadoda

9/24/2019 5:30:34 AM



#52

Toluene

Concen: 20.162 ug/l

RT: 10.24 min Scan# 1420

Delta R.T. -0.00 min

Lab File: VY000072.D

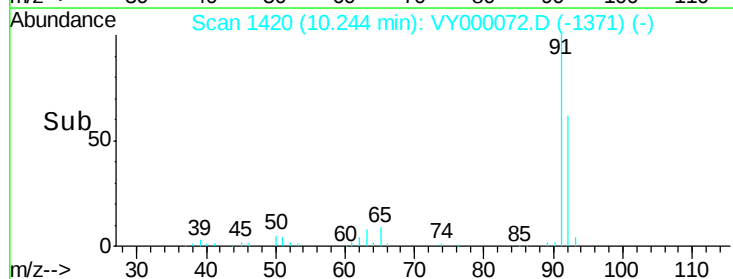
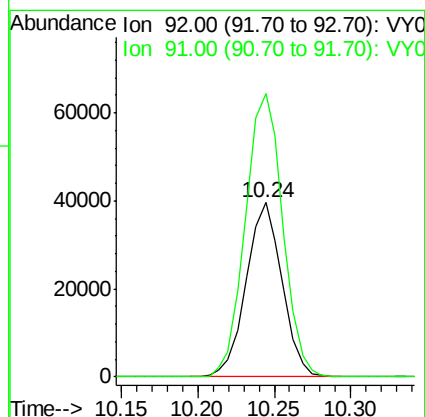
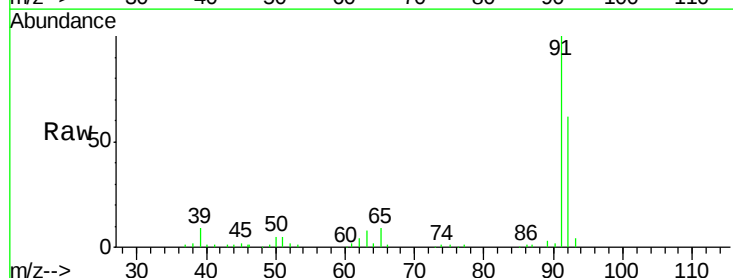
Acq: 19 Sep 2019 13:16

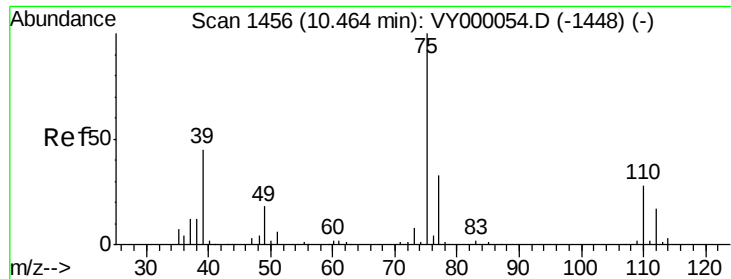
Tgt Ion: 92 Resp: 64519

Ion Ratio Lower Upper

92 100

91 169.2 135.8 203.6





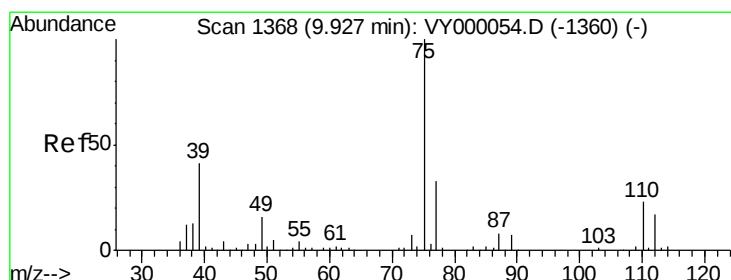
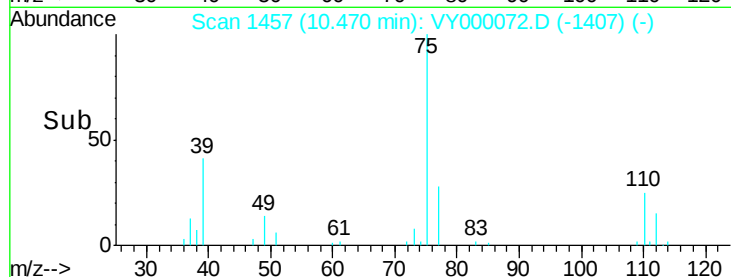
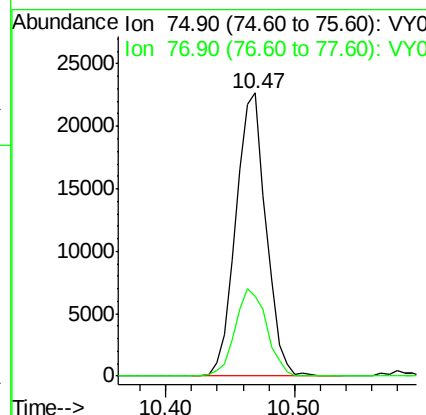
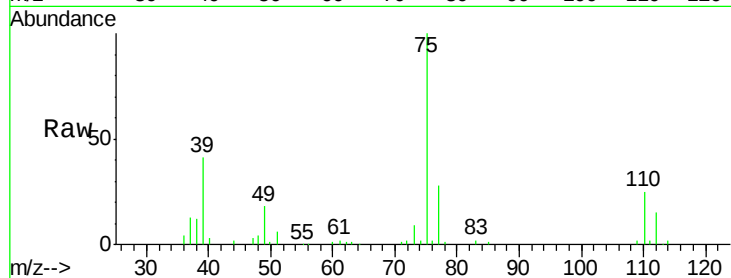
#53
t-1,3-Dichloropropene
Concen: 20.133 ug/l
RT: 10.47 min Scan# 1457
Delta R.T. 0.01 min
Lab File: VY000072.D
Acq: 19 Sep 2019 13:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0919SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	28.4	26.2	39.2

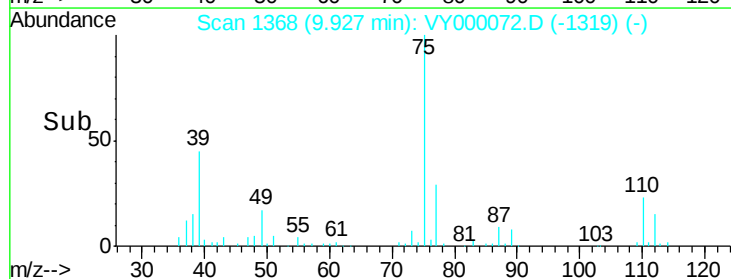
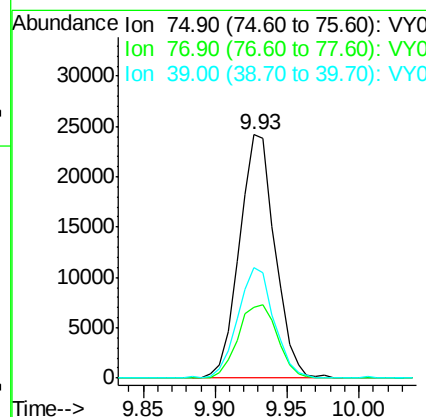
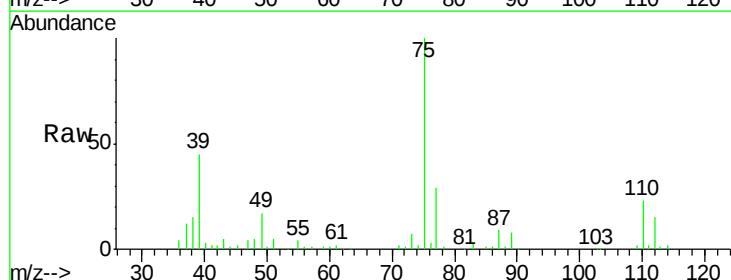
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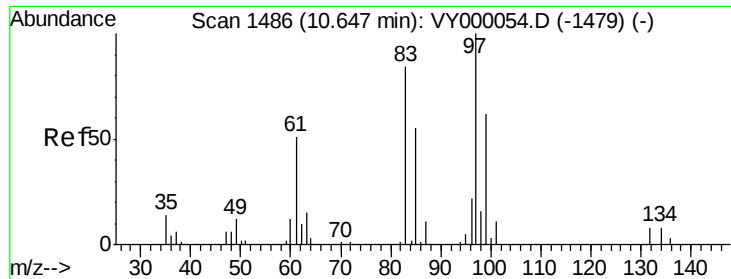
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 19.586 ug/l
RT: 9.93 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VY000072.D
Acq: 19 Sep 2019 13:16

Tgt Ion	Ratio	Lower	Upper
75	100		
77	29.1	26.1	39.1
39	45.2	33.1	49.7





#55

1,1,2-Trichloroethane

Concen: 21.102 ug/l

RT: 10.65 min Scan# 1486

Delta R.T. -0.00 min

Lab File: VY000072.D

Acq: 19 Sep 2019 13:16

Instrument :

MSVOA_Y

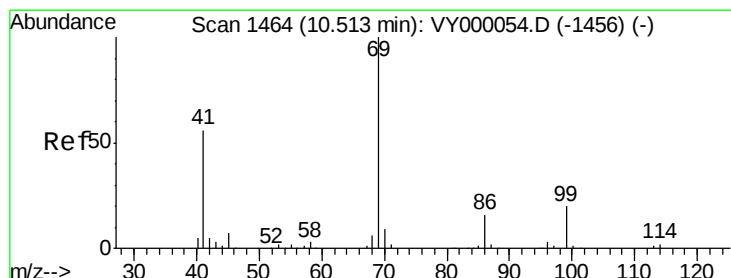
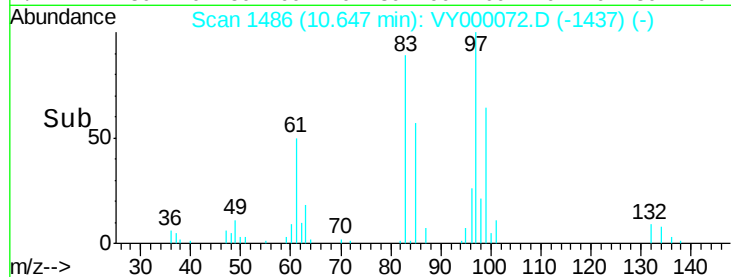
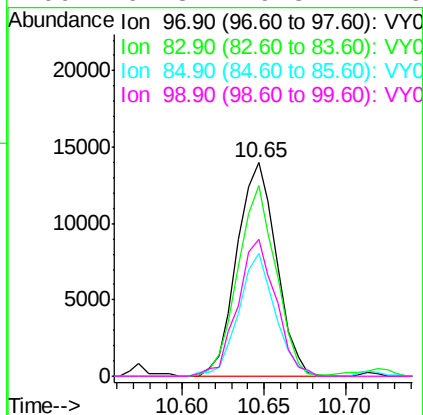
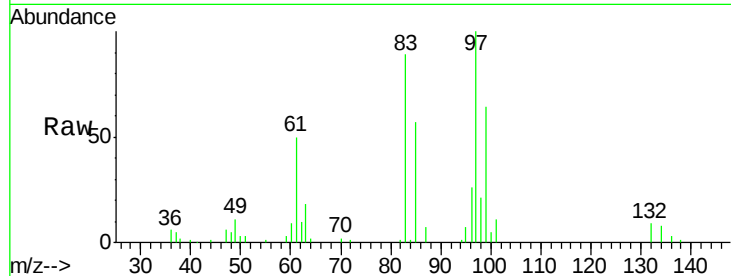
ClientSampleId :

VY0919SBS01

Tot Ion:	97	Resp:	23577
Ion	Ratio	Lower	Upper
97	100		
83	89.1	67.3	100.9
85	57.5	43.6	65.4
99	64.3	49.8	74.6

Manual Integrations
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#56

Ethyl methacrylate

Concen: 20.792 ug/l

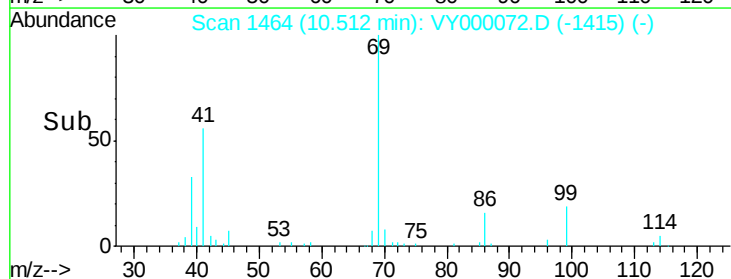
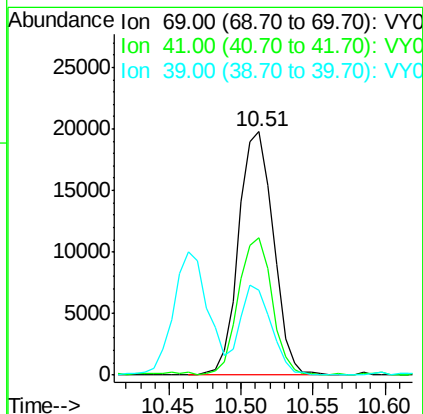
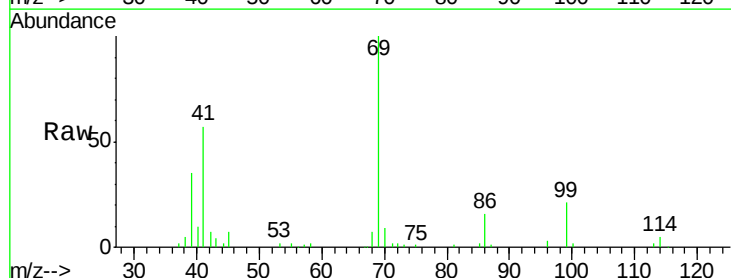
RT: 10.51 min Scan# 1464

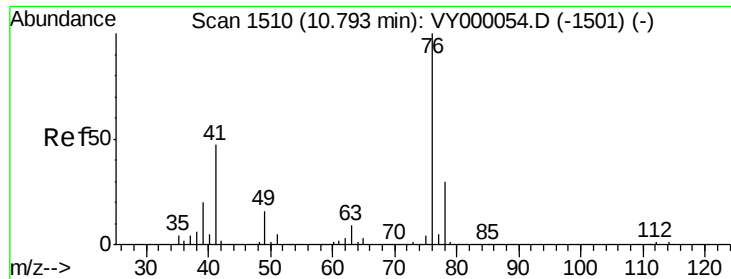
Delta R.T. -0.00 min

Lab File: VY000072.D

Acq: 19 Sep 2019 13:16

Tgt Ion:	69	Resp:	33057
Ion	Ratio	Lower	Upper
69	100		
41	55.2	45.6	68.4
39	33.4	27.3	40.9





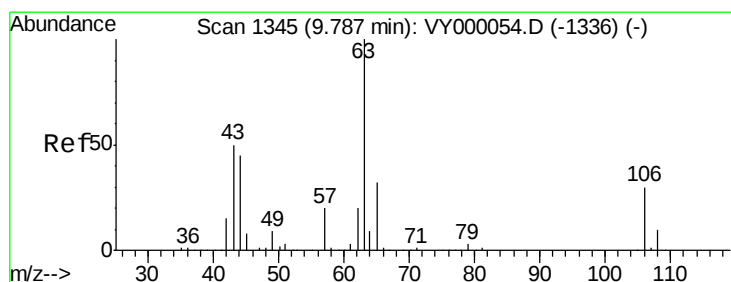
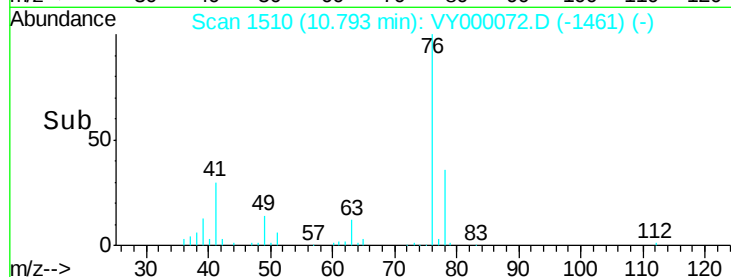
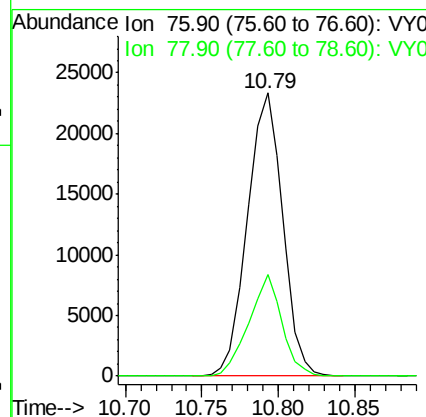
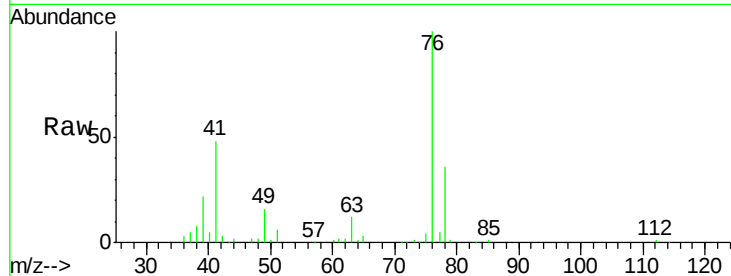
#57
 1,3-Dichloropropane
 Concen: 19.980 ug/l
 RT: 10.79 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VY000072.D
 Acq: 19 Sep 2019 13:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0919SBS01

Tot Ion: 76 Resp: 37499
 Ion Ratio Lower Upper
 76 100
 78 33.6 26.6 40.0

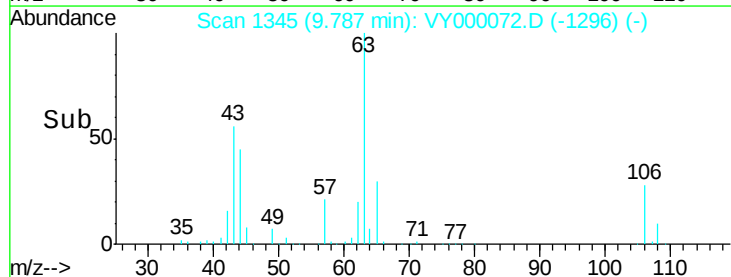
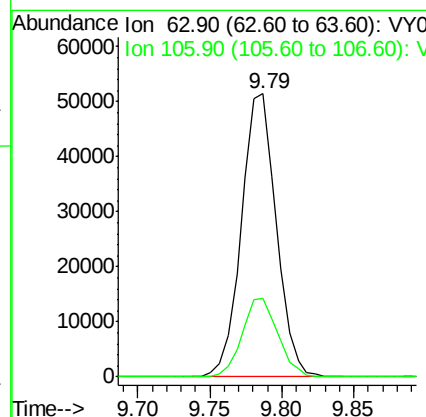
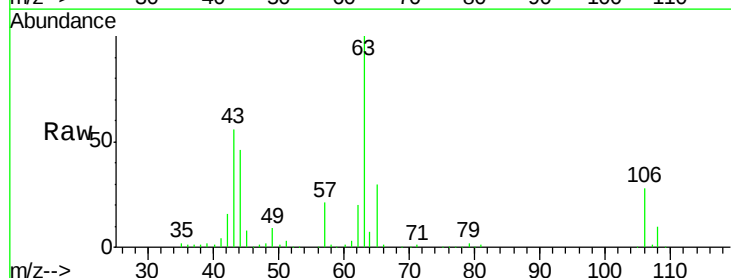
Manual Integrations
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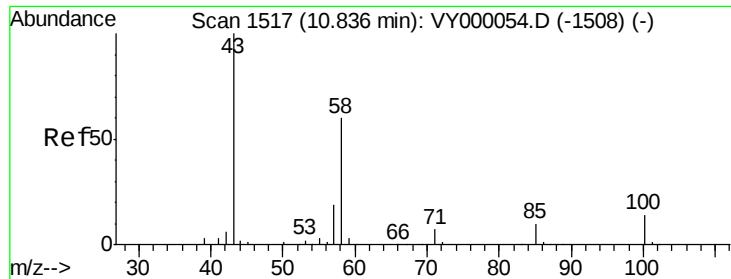
MMDadoda
 9/24/2019 5:30:34 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 100.433 ug/l
 RT: 9.79 min Scan# 1345
 Delta R.T. -0.00 min
 Lab File: VY000072.D
 Acq: 19 Sep 2019 13:16

Tgt Ion: 63 Resp: 86317
 Ion Ratio Lower Upper
 63 100
 106 28.4 23.3 34.9





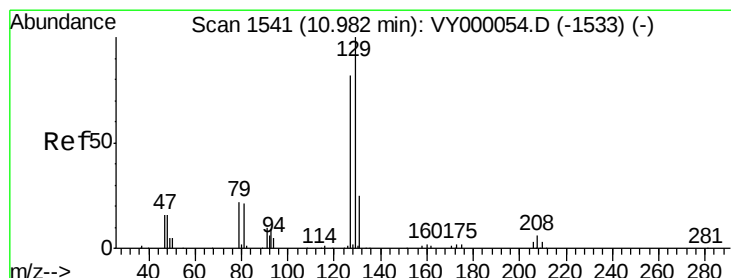
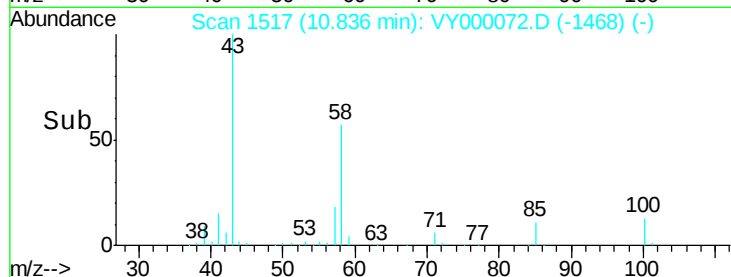
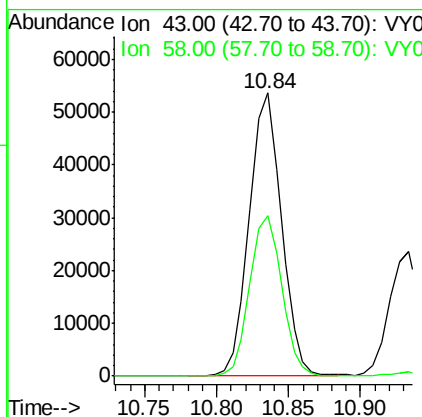
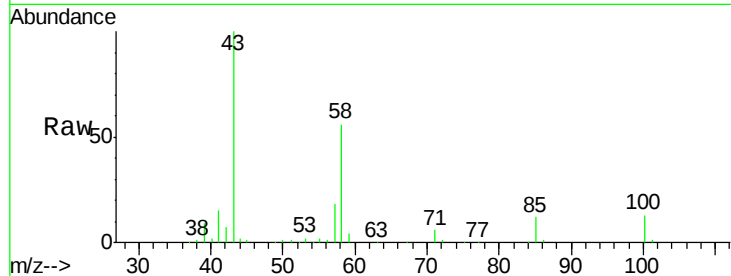
#59
2-Hexanone
Concen: 107.647 ug/l
RT: 10.84 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VY000072.D
Acq: 19 Sep 2019 13:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0919SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.3	29.9	89.7

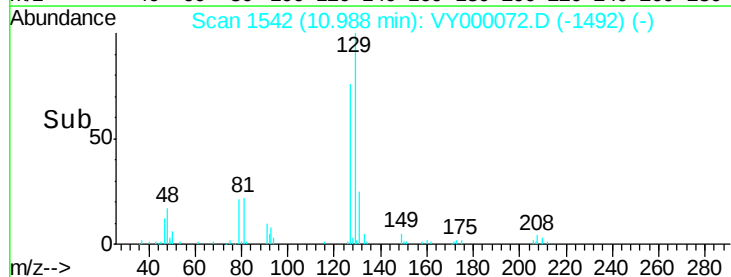
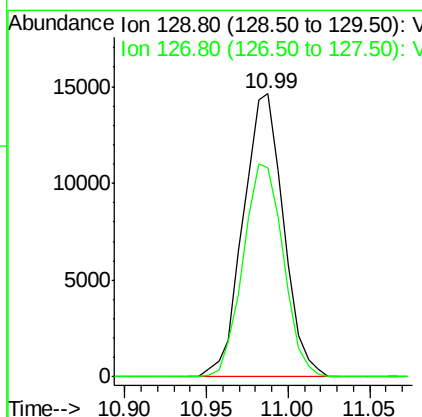
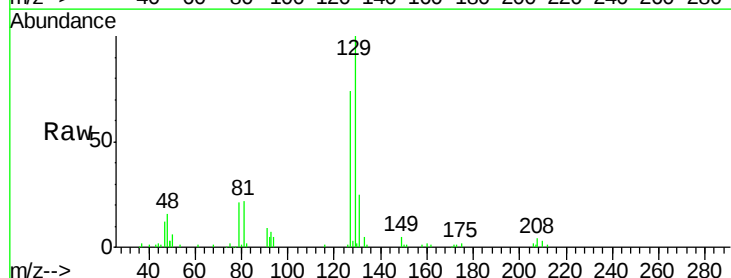
Manual Integrations
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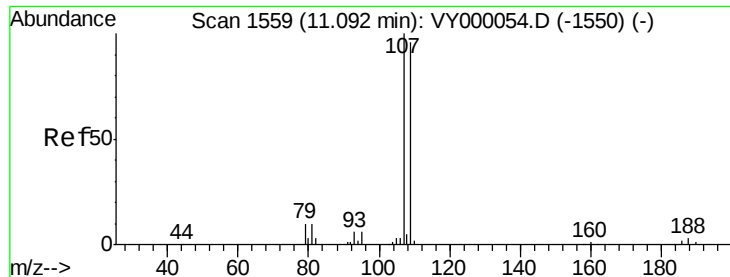
MMDadoda
9/24/2019 5:30:34 AM



#60
Dibromochloromethane
Concen: 21.482 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.01 min
Lab File: VY000072.D
Acq: 19 Sep 2019 13:16

Tgt Ion	Ratio	Lower	Upper
129	100		
127	75.0	40.2	120.6





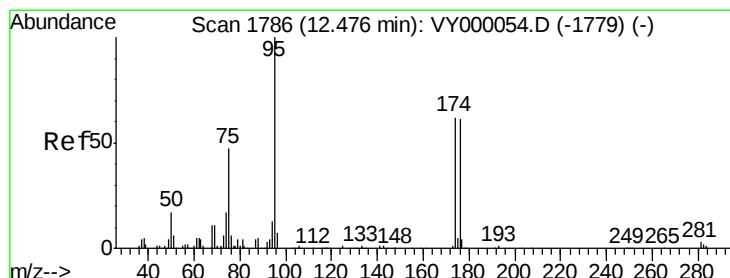
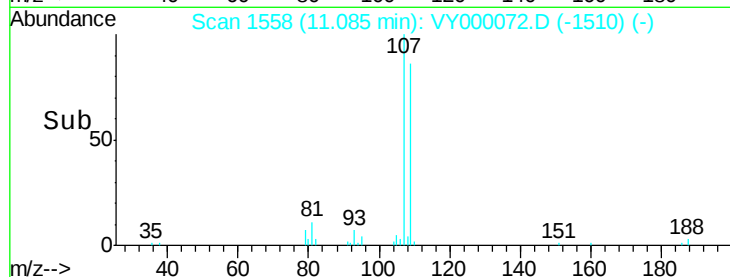
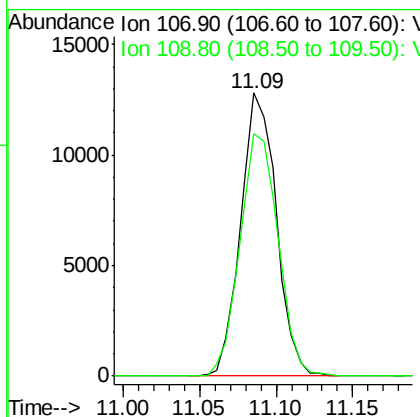
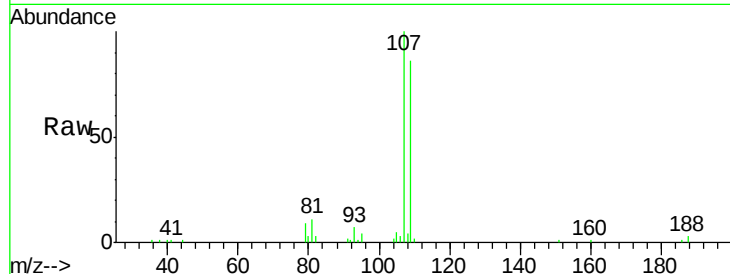
#61
 1,2-Dibromoethane
 Concen: 20.262 ug/l
 RT: 11.09 min Scan# 1558
 Delta R.T. -0.01 min
 Lab File: VY000072.D
 Acq: 19 Sep 2019 13:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0919SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.0	75.0	112.6

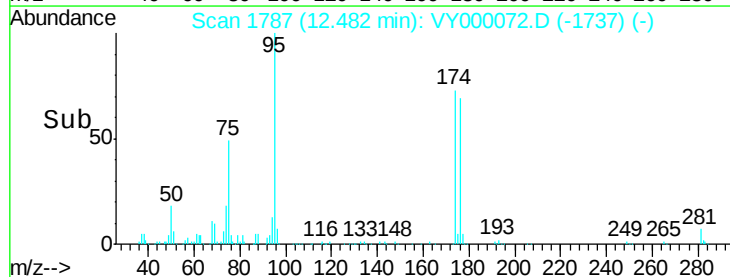
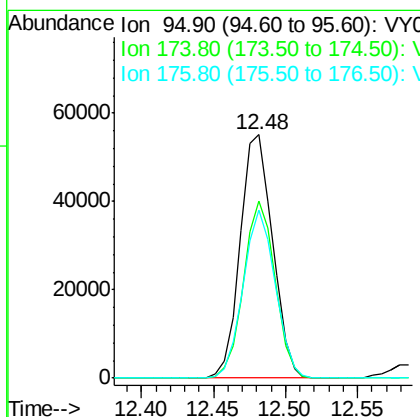
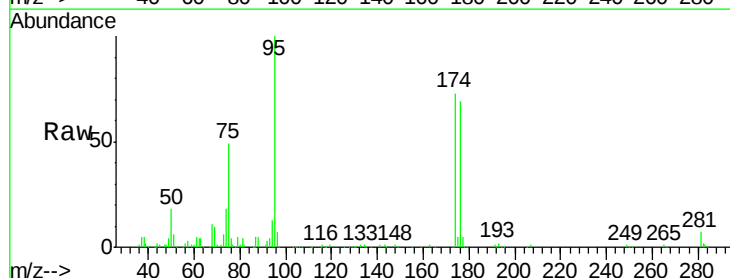
Manual Integrations
 APPROVED

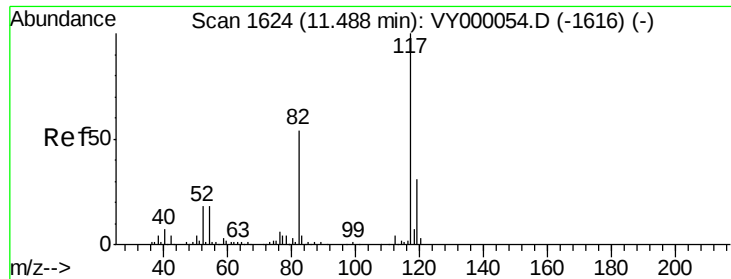
MMDadoda
 9/24/2019 5:30:34 AM



#62
 4-Bromofluorobenzene
 Concen: 47.672 ug/l
 RT: 12.48 min Scan# 1787
 Delta R.T. 0.01 min
 Lab File: VY000072.D
 Acq: 19 Sep 2019 13:16

Tgt Ion	Ratio	Lower	Upper
95	100		
174	70.5	0.0	137.2
176	68.1	0.0	135.0





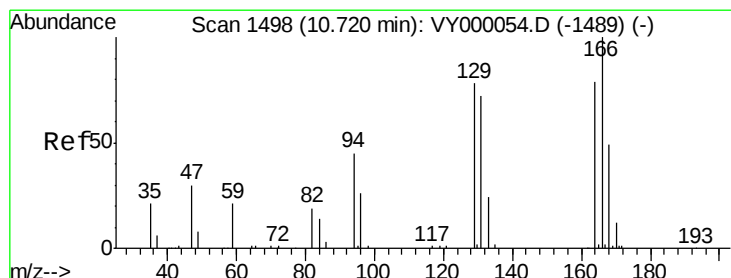
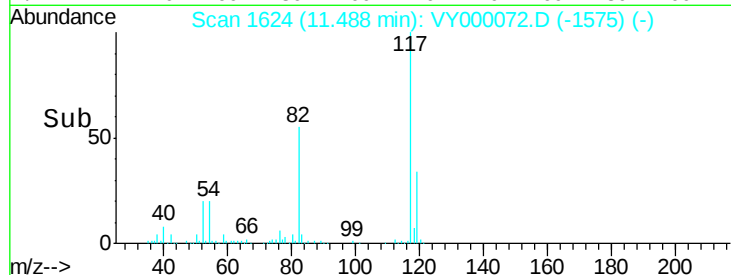
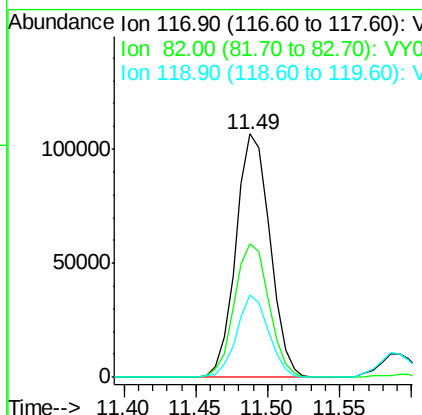
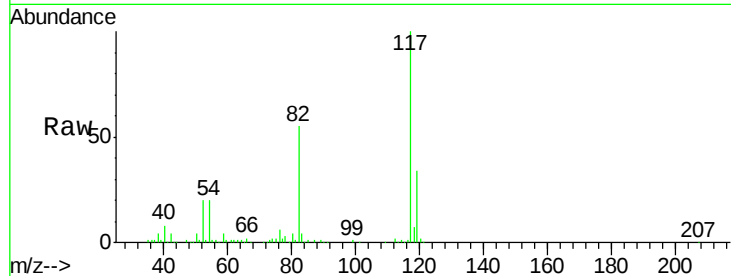
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1624
Delta R.T. -0.00 min
Lab File: VY000072.D
Acq: 19 Sep 2019 13:16

Instrument :
MSVOA_Y
ClientSampled :
VY0919SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	175881		
82	55.0		43.5	65.3
119	34.1		24.6	36.8

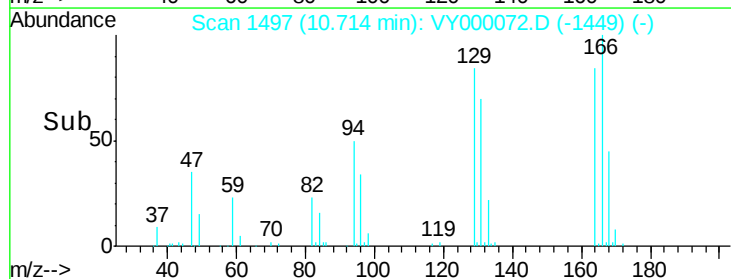
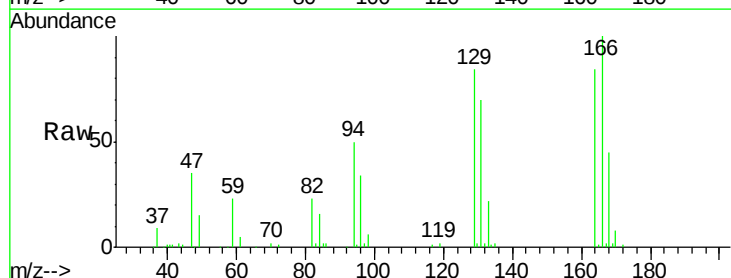
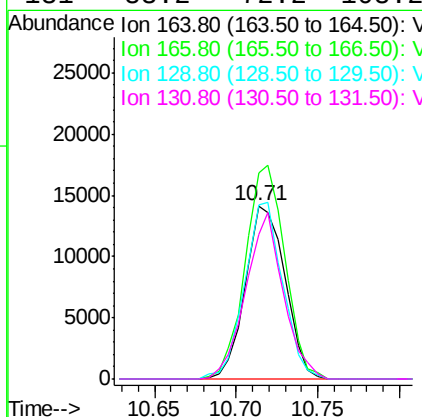
Manual Integrations
APPROVED

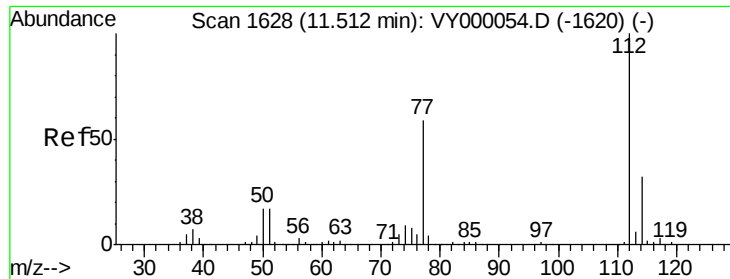
MMDadoda
9/24/2019 5:30:34 AM



#64
Tetrachloroethene
Concen: 21.639 ug/l
RT: 10.71 min Scan# 1497
Delta R.T. -0.01 min
Lab File: VY000072.D
Acq: 19 Sep 2019 13:16

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	23887		
166	119.2		100.9	151.3
129	100.7		78.4	117.6
131	83.2		72.2	108.2





#65

Chlorobenzene

Concen: 20.742 ug/l

RT: 11.52 min Scan# 1629

Delta R.T. 0.01 min

Lab File: VY000072.D

Acq: 19 Sep 2019 13:16

Instrument :

MSVOA_Y

ClientSampleId :

VY0919SBS01

Tot Ion:112 Resp: 72161

Ion Ratio Lower Upper

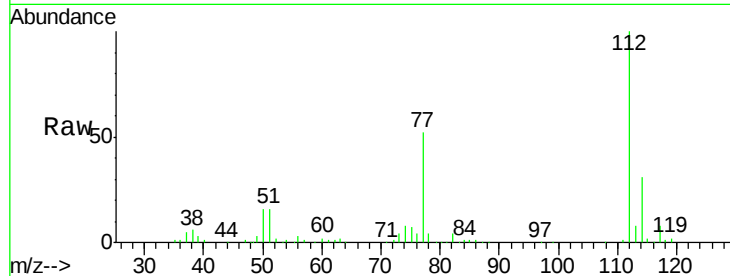
112 100

114 30.6 25.6 38.4

Manual Integrations
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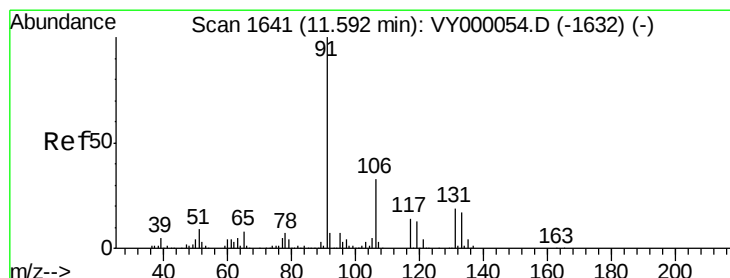
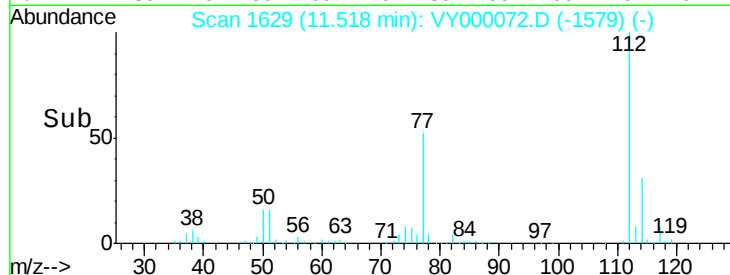
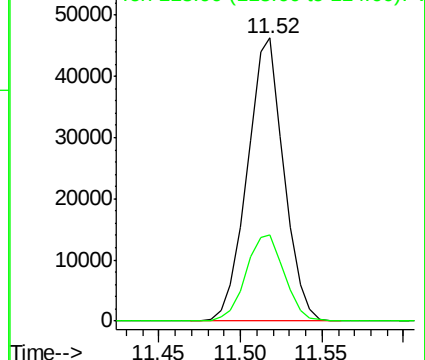
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.238 ug/l

RT: 11.59 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VY000072.D

Acq: 19 Sep 2019 13:16

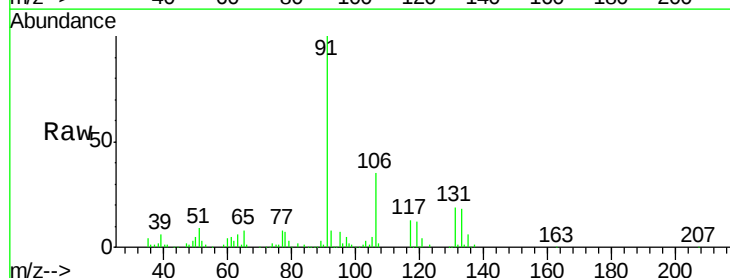
Tgt Ion:131 Resp: 23806

Ion Ratio Lower Upper

131 100

133 99.4 46.6 139.8

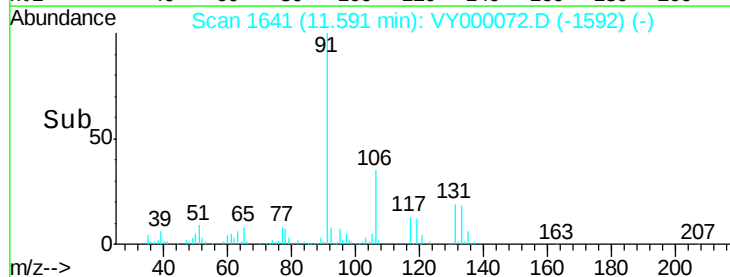
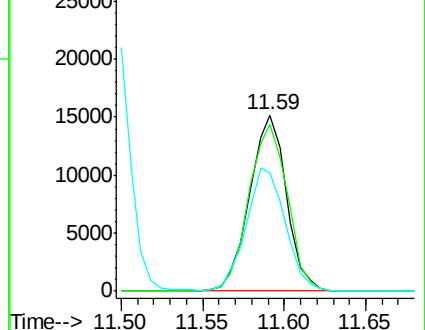
119 74.1 36.2 108.6

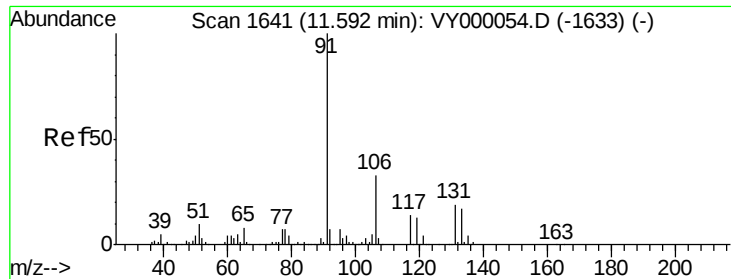


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





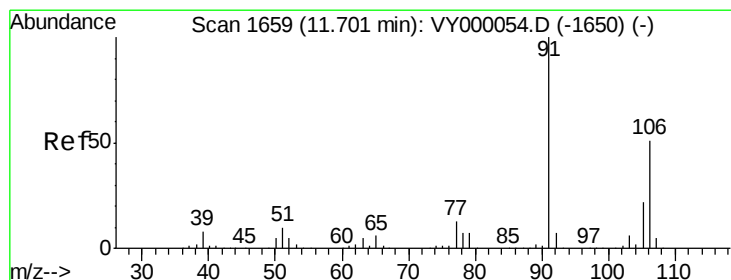
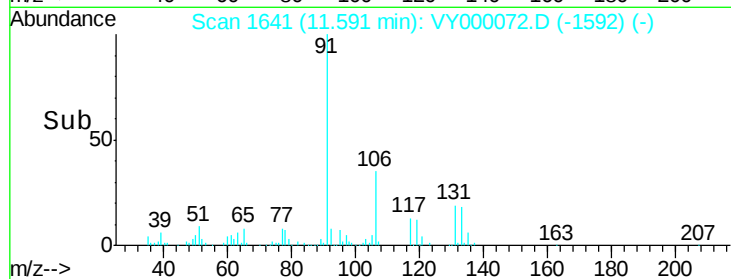
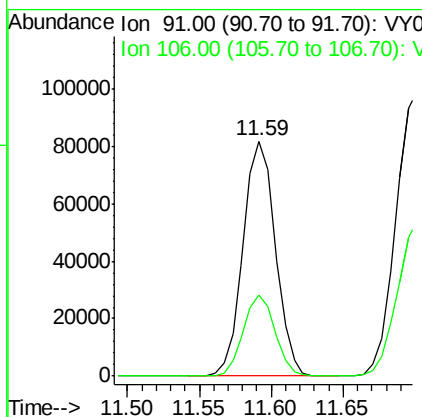
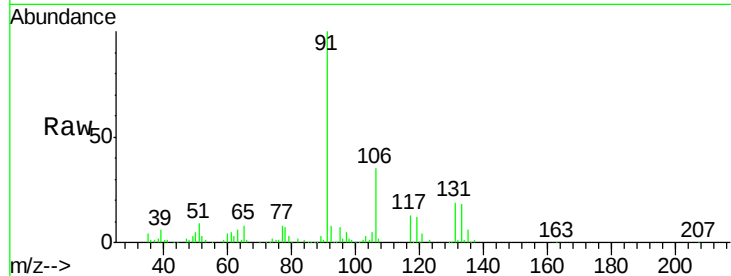
#67
Ethyl Benzene
Concen: 20.480 ug/l
RT: 11.59 min Scan# 1641
Delta R.T. -0.00 min
Lab File: VY000072.D
Acq: 19 Sep 2019 13:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0919SBS01

Tot Ion: 91 Resp: 127153
Ion Ratio Lower Upper
91 100
106 34.7 26.6 40.0

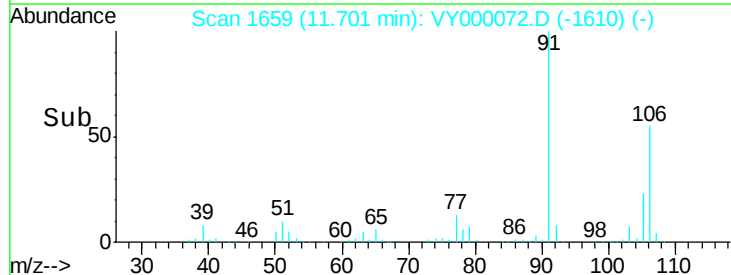
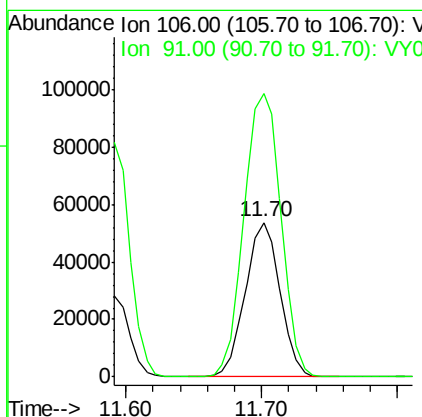
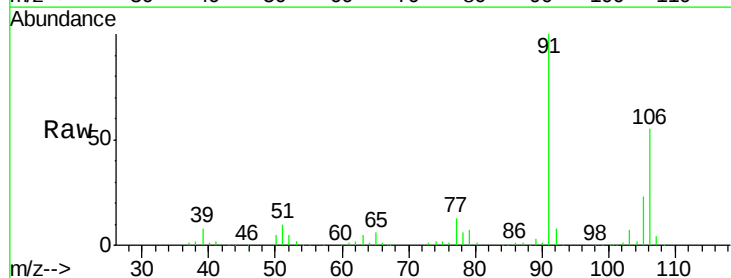
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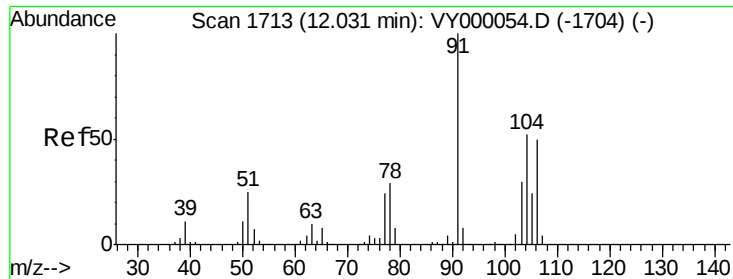
MMDadoda
9/24/2019 5:30:34 AM



#68
m/p-Xylenes
Concen: 40.740 ug/l
RT: 11.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VY000072.D
Acq: 19 Sep 2019 13:16

Tgt Ion: 106 Resp: 96246
Ion Ratio Lower Upper
106 100
91 195.6 154.5 231.7





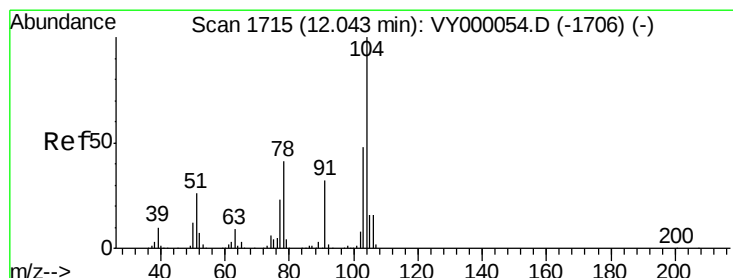
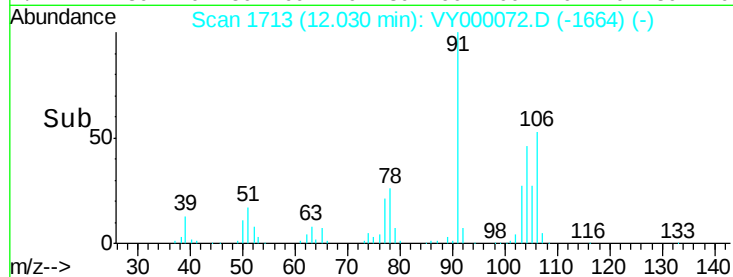
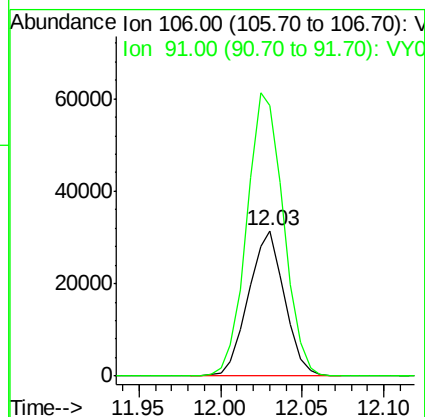
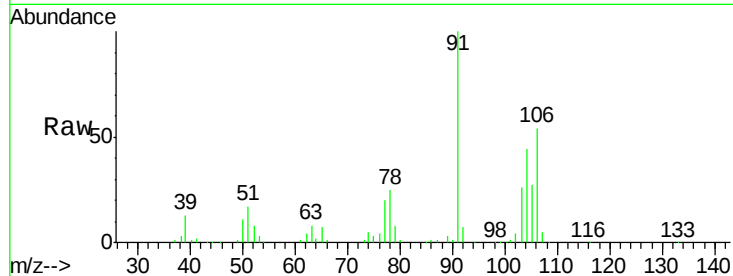
#69
o-Xylene
Concen: 21.033 ug/l
RT: 12.03 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VY000072.D
Acq: 19 Sep 2019 13:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0919SBS01

Tot Ion:106 Resp: 48114
Ion Ratio Lower Upper
106 100
91 199.1 103.5 310.3

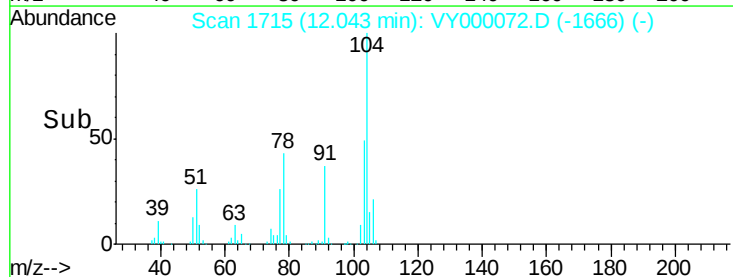
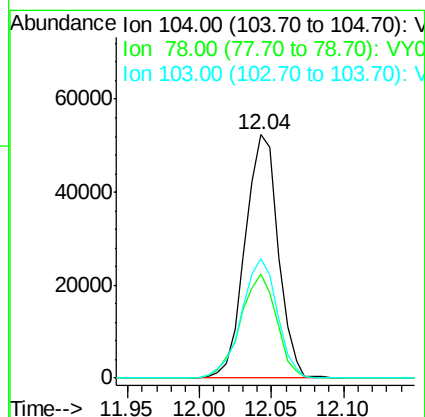
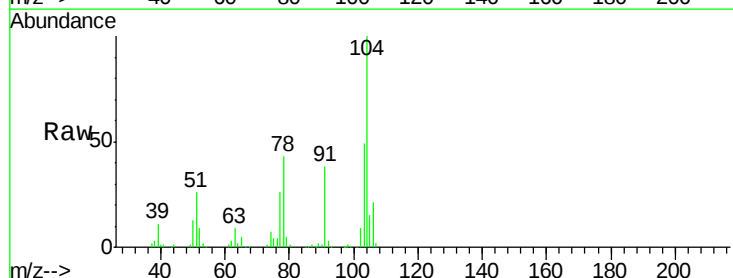
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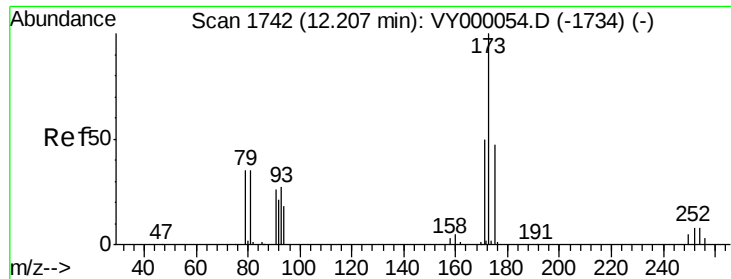
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#70
Styrene
Concen: 20.649 ug/l
RT: 12.04 min Scan# 1715
Delta R.T. -0.00 min
Lab File: VY000072.D
Acq: 19 Sep 2019 13:16

Tgt Ion:104 Resp: 82922
Ion Ratio Lower Upper
104 100
78 46.8 37.7 56.5
103 53.2 42.2 63.4





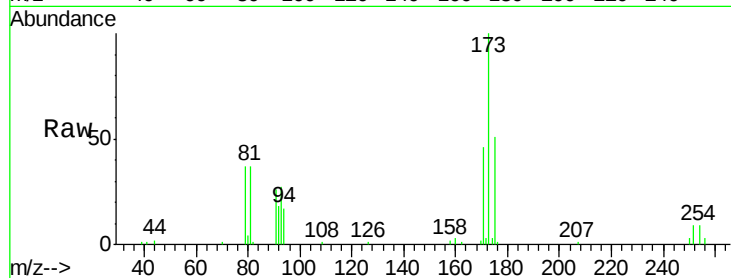
#71
Bromoform
Concen: 19.996 ug/l
RT: 12.21 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VY000072.D
Acq: 19 Sep 2019 13:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0919SBS01

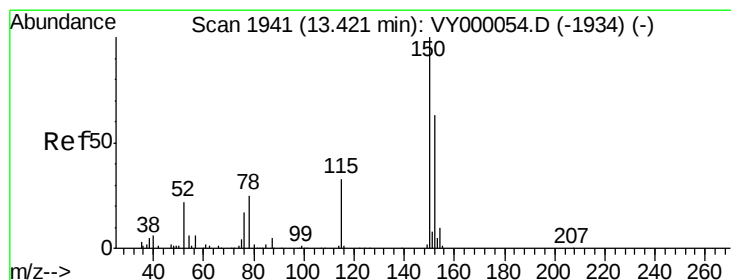
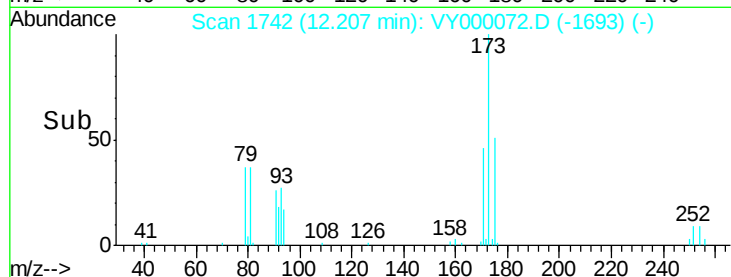
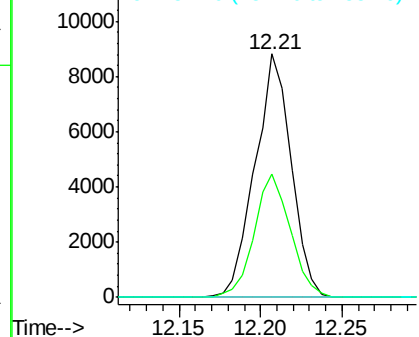
Tot Ion	Ratio	Lower	Upper
173	100		
175	50.8	23.6	71.0
254	0.0	0.0	0.0

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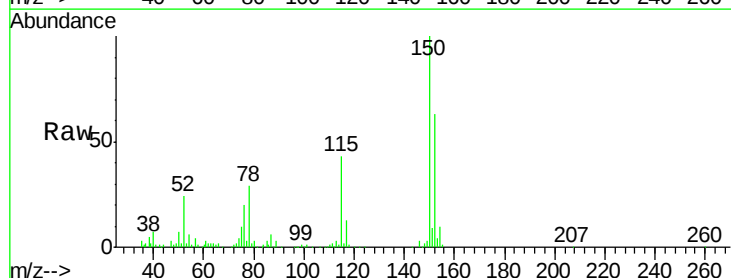


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

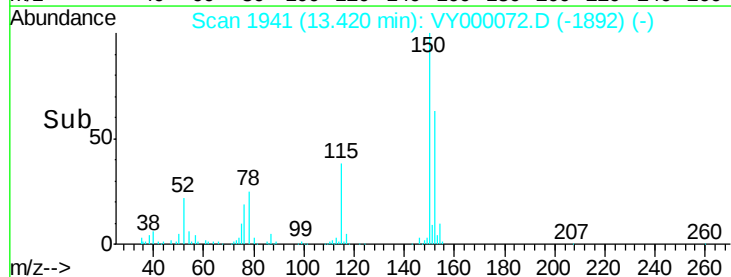
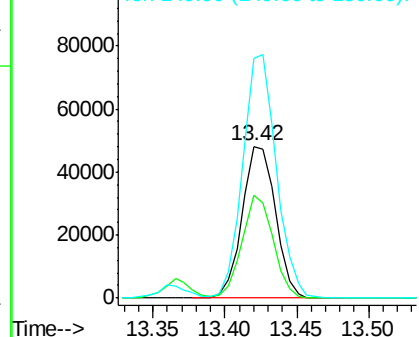


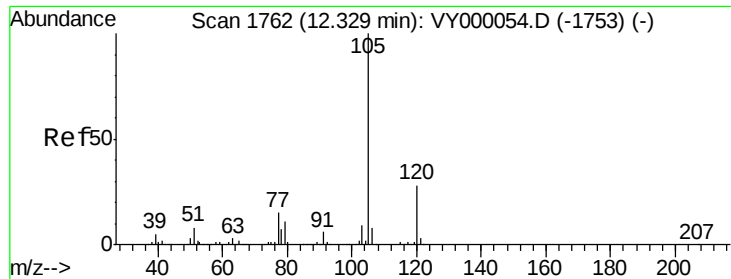
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1941
Delta R.T. -0.00 min
Lab File: VY000072.D
Acq: 19 Sep 2019 13:16

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.7	30.7	92.1
150	161.6	0.0	351.6



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





#73

Isopropylbenzene

Concen: 20.495 ug/l

RT: 12.33 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY000072.D

Acq: 19 Sep 2019 13:16

Instrument :

MSVOA_Y

ClientSampleId :

VY0919SBS01

Tot Ion:105 Resp: 127338

Ion Ratio Lower Upper

105 100

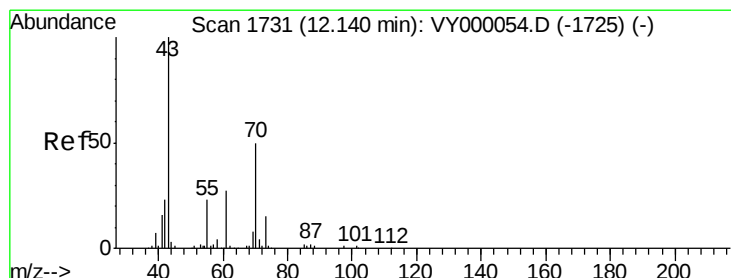
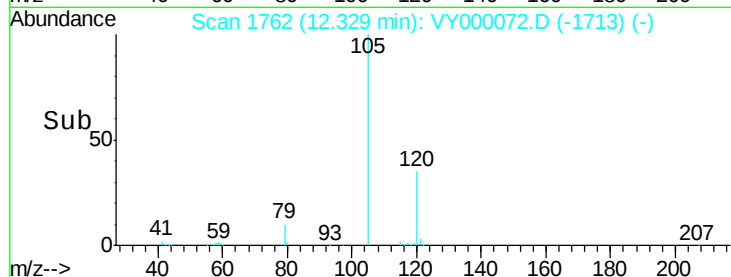
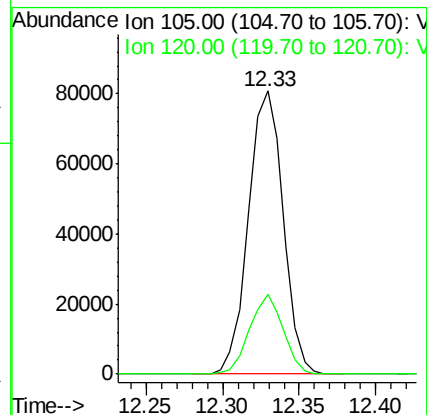
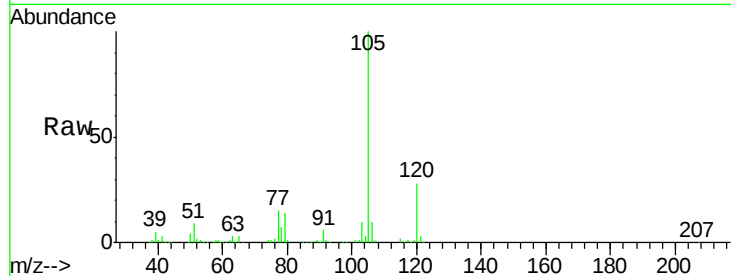
120 27.2 13.9 41.7

Manual Integrations

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#74

N-ethyl acetate

Concen: 20.685 ug/l

RT: 12.15 min Scan# 1732

Delta R.T. 0.01 min

Lab File: VY000072.D

Acq: 19 Sep 2019 13:16

Tgt Ion: 43 Resp: 36614

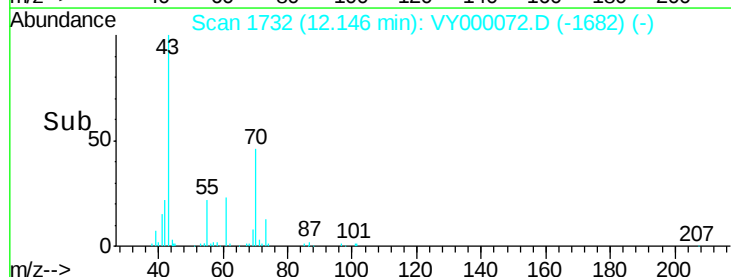
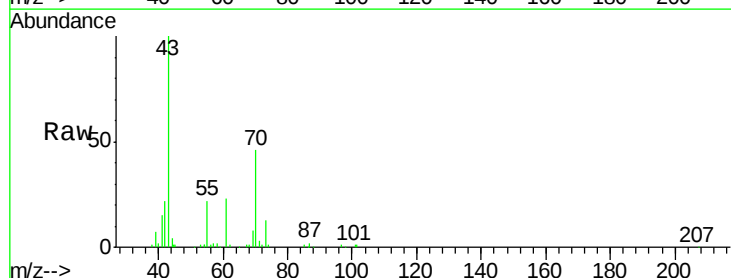
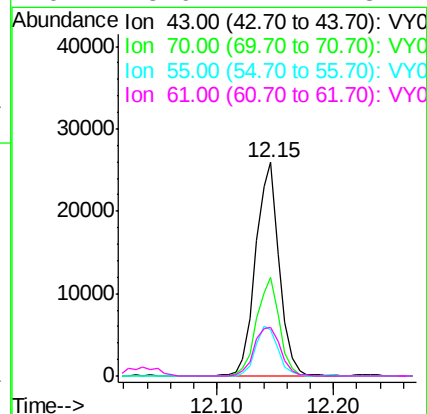
Ion Ratio Lower Upper

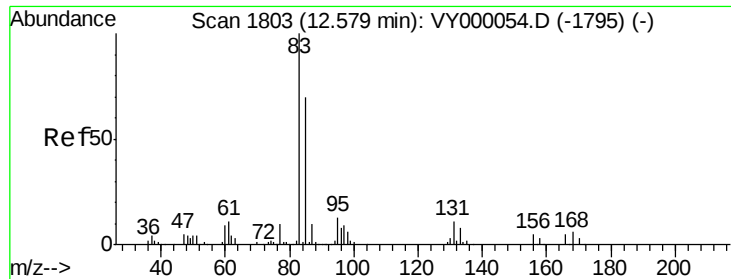
43 100

70 44.5 38.8 58.2

55 22.4 18.8 28.2

61 25.9 21.4 32.2





#75

1,1,2,2-Tetrachloroethane

Concen: 20.460 ug/l

RT: 12.58 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VY000072.D

Acq: 19 Sep 2019 13:16

Instrument :

MSVOA_Y

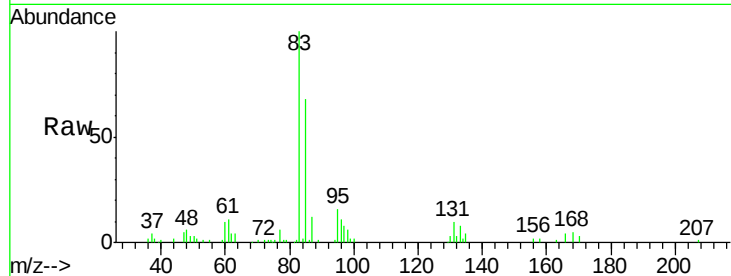
ClientSampleId :

VY0919SBS01

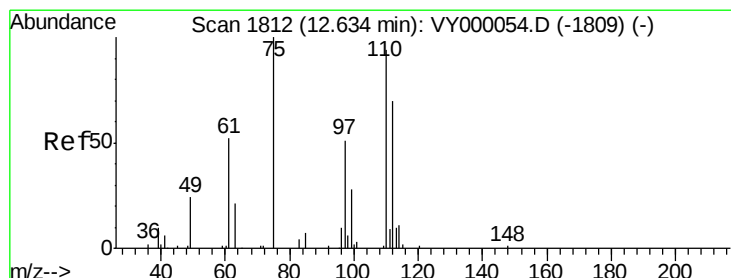
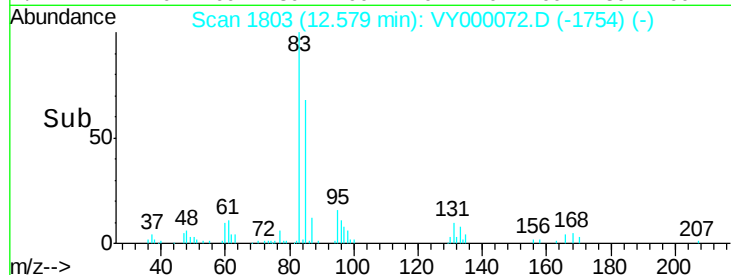
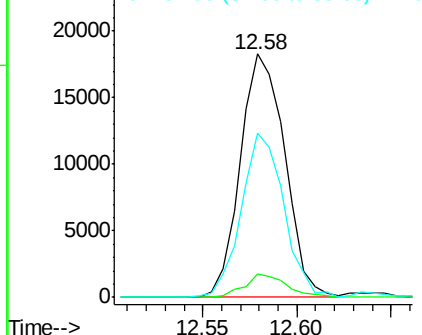
Tot Ion:	83	Resp:	29924
Ion Ratio	Lower	Upper	
83	100		
131	9.1	4.9	14.7
85	64.5	32.5	97.4

Manual Integrations
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9/24/2019 5:30:34 AM



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



#76

1,2,3-Trichloropropane

Concen: 17.555 ug/l m

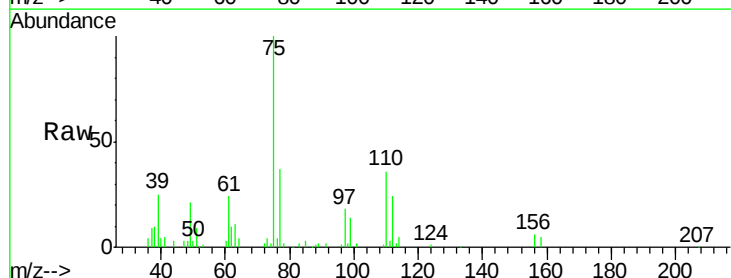
RT: 12.63 min Scan# 1812

Delta R.T. -0.00 min

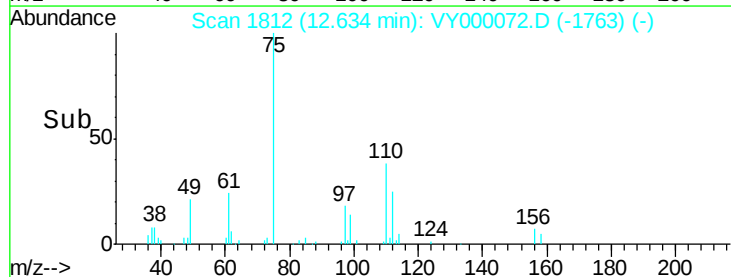
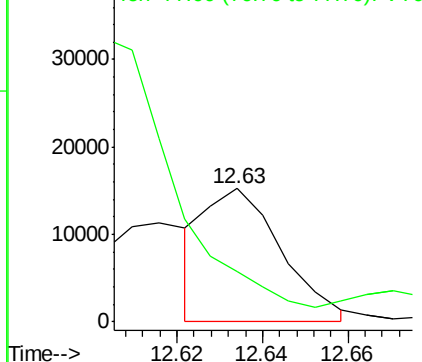
Lab File: VY000072.D

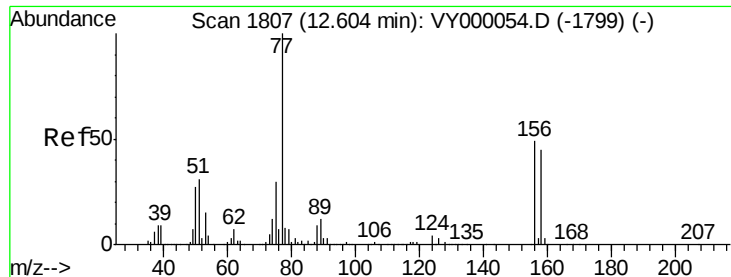
Acq: 19 Sep 2019 13:16

Tgt Ion:	75	Resp:	19043
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



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





#77

Bromobenzene

Concen: 20.560 ug/l

RT: 12.61 min Scan# 1808

Delta R.T. 0.01 min

Lab File: VY000072.D

Acq: 19 Sep 2019 13:16

Instrument :

MSVOA_Y

ClientSampleId :

VY0919SBS01

Tot Ion:156 Resp: 26675

Ion Ratio Lower Upper

156 100

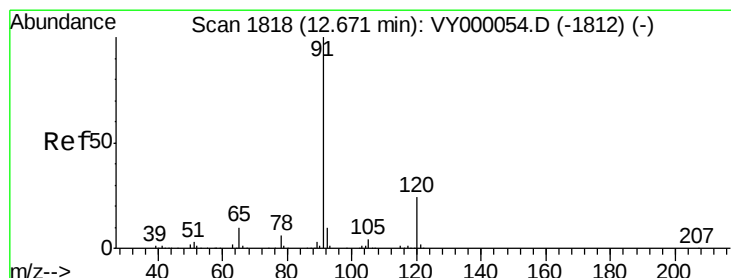
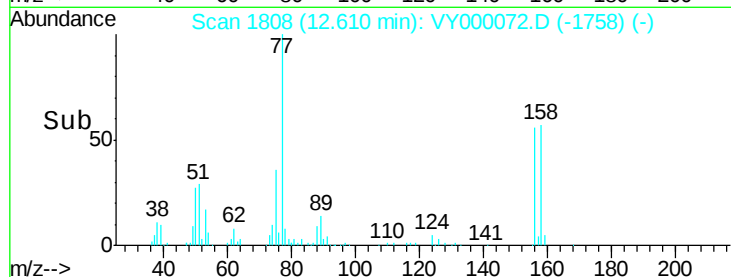
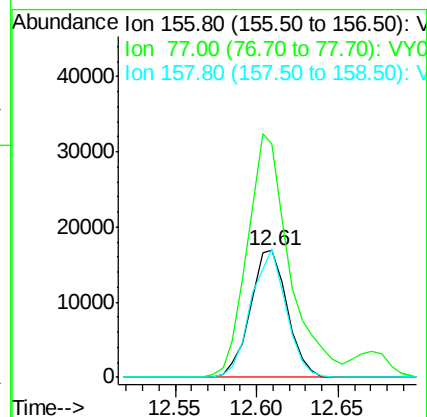
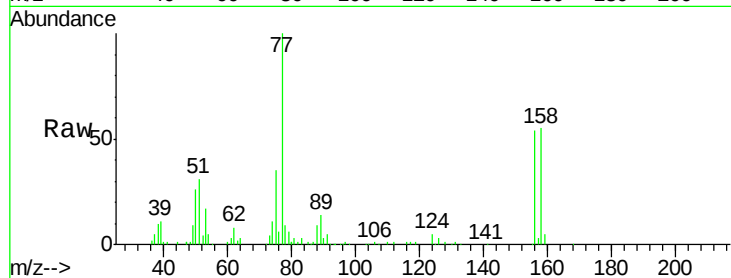
77 218.8 109.7 329.0

158 95.4 48.0 144.2

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#78

n-propylbenzene

Concen: 20.050 ug/l

RT: 12.67 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VY000072.D

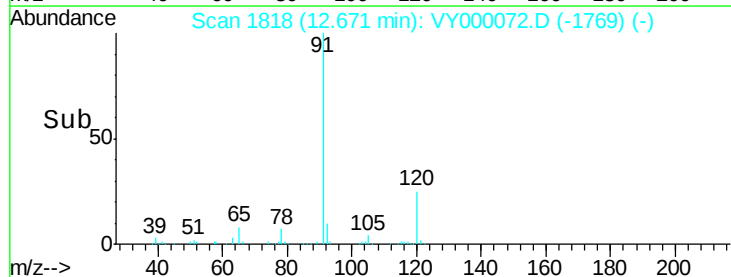
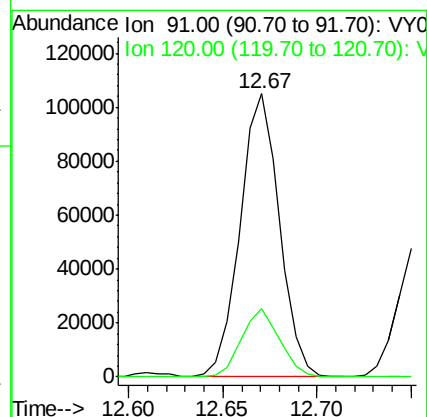
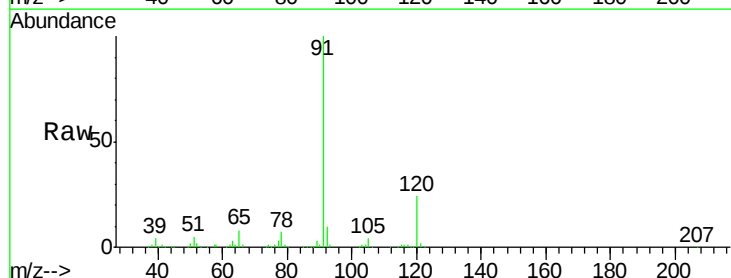
Acq: 19 Sep 2019 13:16

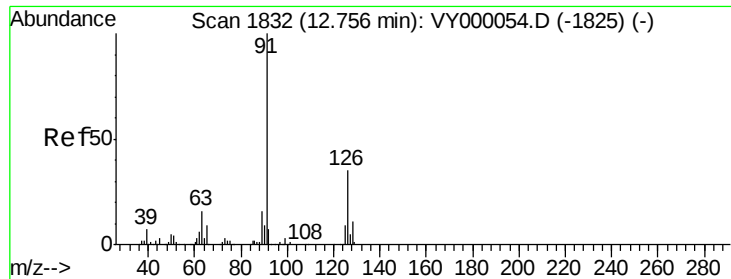
Tgt Ion: 91 Resp: 151962

Ion Ratio Lower Upper

91 100

120 23.3 11.5 34.5





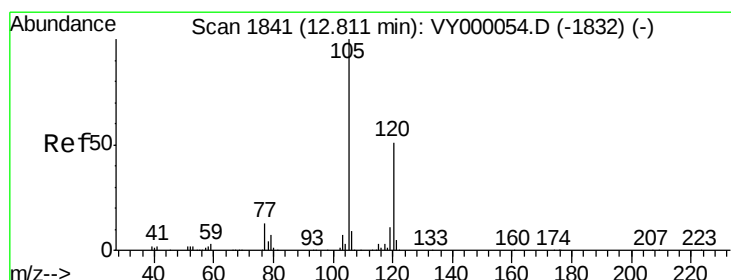
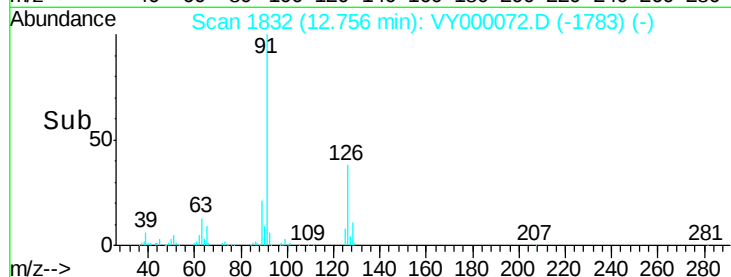
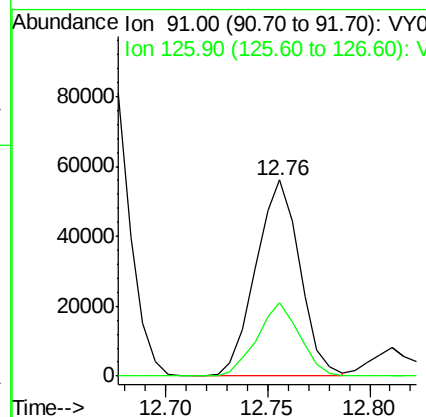
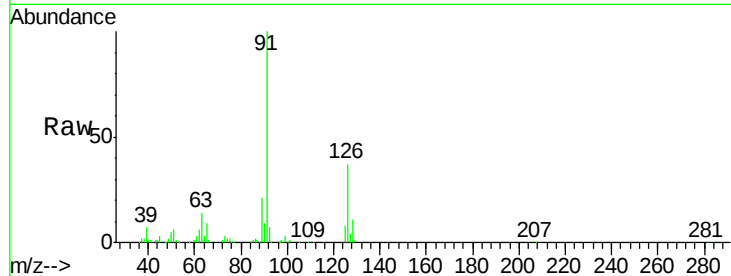
#79
 2-Chlorotoluene
 Concen: 19.931 ug/l
 RT: 12.76 min Scan# 1832
 Delta R.T. -0.00 min
 Lab File: VY000072.D
 Acq: 19 Sep 2019 13:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0919SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
126	36.0	17.2	51.5

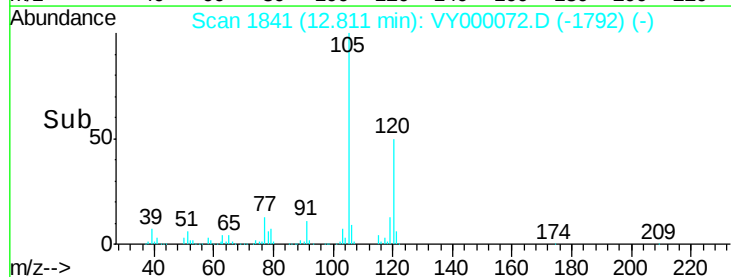
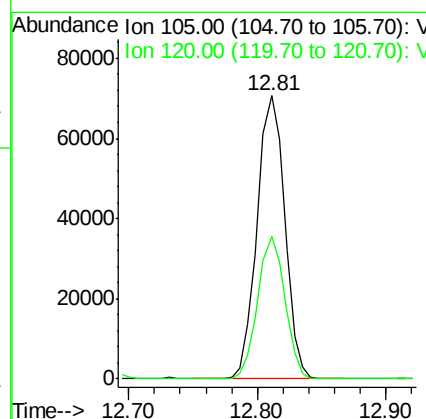
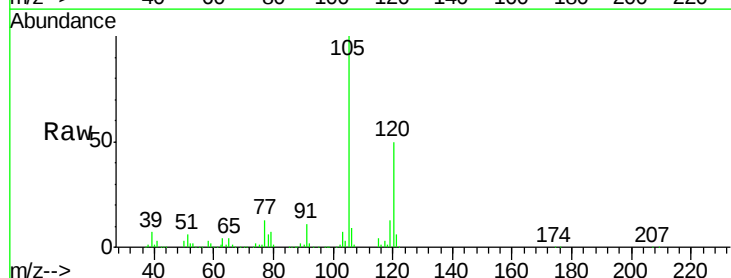
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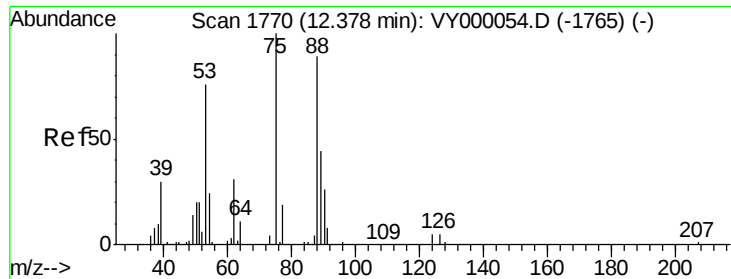
MMDadoda
 9/24/2019 5:30:34 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 20.327 ug/l
 RT: 12.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VY000072.D
 Acq: 19 Sep 2019 13:16

Tgt Ion	Ratio	Lower	Upper
105	100		
120	49.6	24.9	74.6





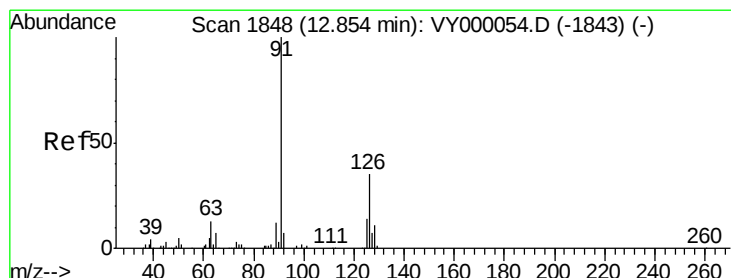
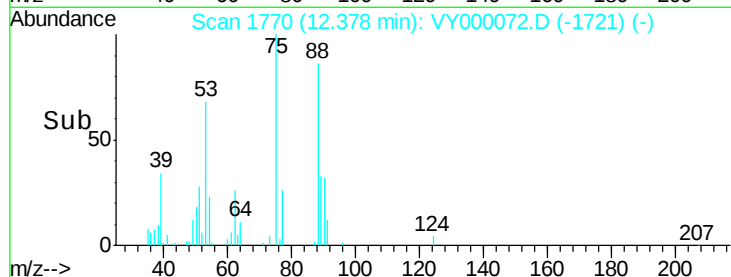
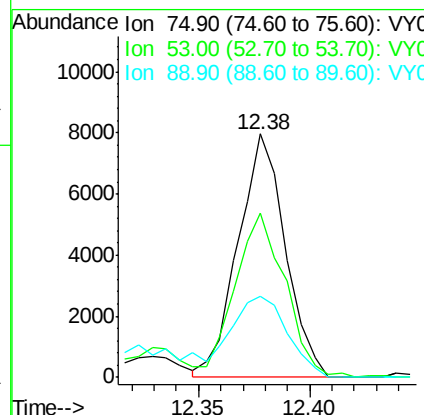
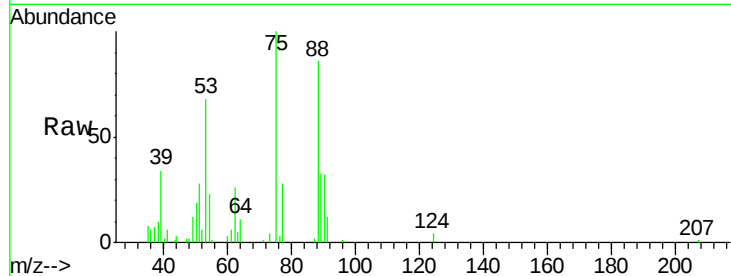
#81
trans-1,4-Dichloro-2-butene
Concen: 20.879 ug/l
RT: 12.38 min Scan# 1770
Delta R.T. -0.00 min
Lab File: VY000072.D
Acq: 19 Sep 2019 13:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0919SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	71.3	60.9	91.3
89	39.5	35.3	52.9

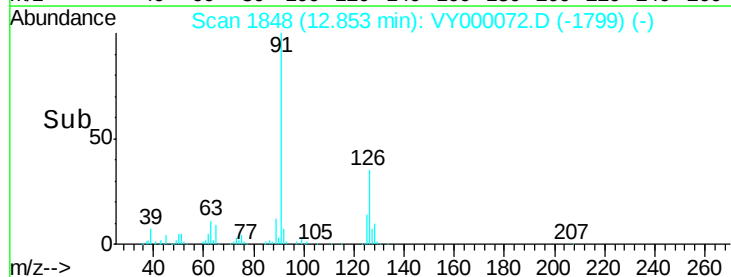
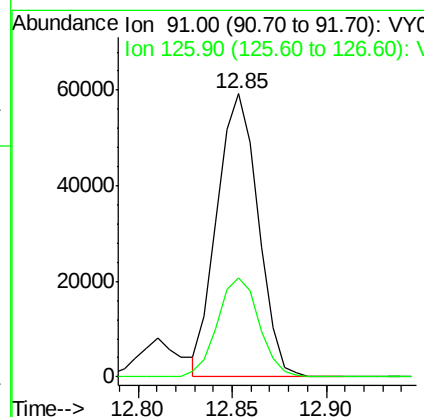
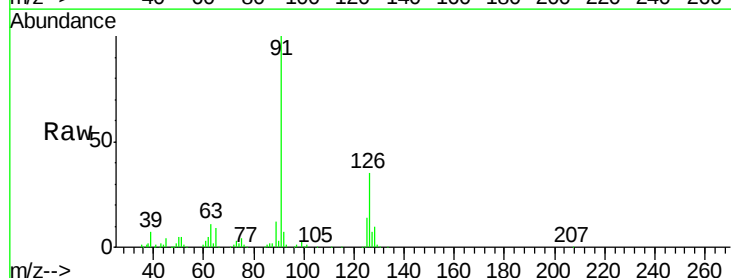
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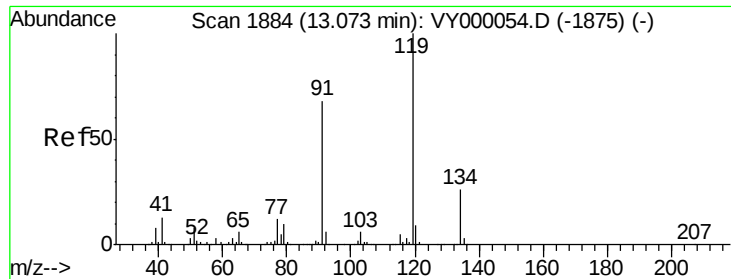
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#82
4-Chlorotoluene
Concen: 20.502 ug/l
RT: 12.85 min Scan# 1848
Delta R.T. -0.00 min
Lab File: VY000072.D
Acq: 19 Sep 2019 13:16

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.4	16.7	50.1





#83

tert-Butylbenzene

Concen: 19.770 ug/l

RT: 13.07 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VY000072.D

Acq: 19 Sep 2019 13:16

Instrument :

MSVOA_Y

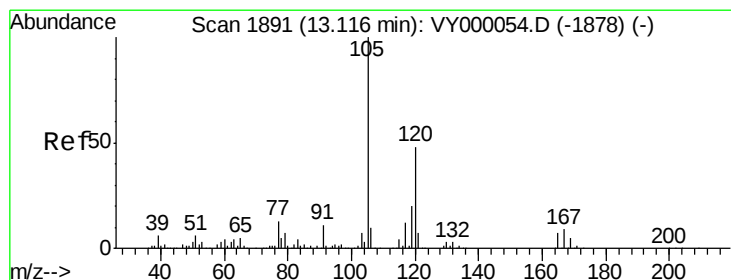
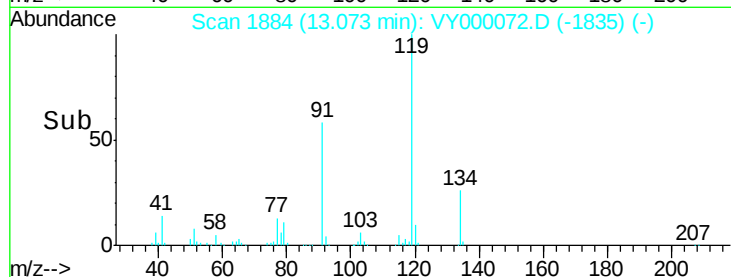
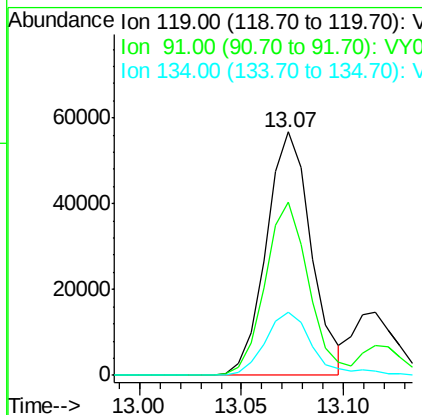
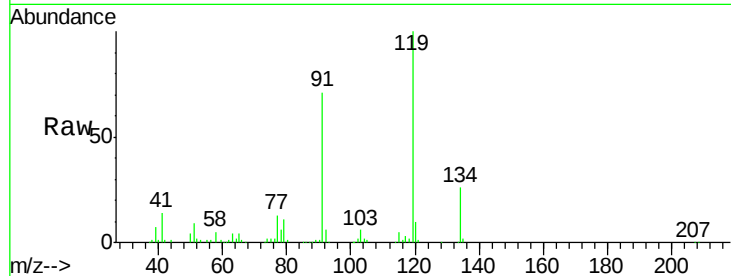
ClientSampleId :

VY0919SBS01

Tot Ion:	119	Resp:	87056
Ion Ratio	Lower	Upper	
119	100		
91	69.3	33.4	100.1
134	27.6	12.7	38.0

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 20.102 ug/l

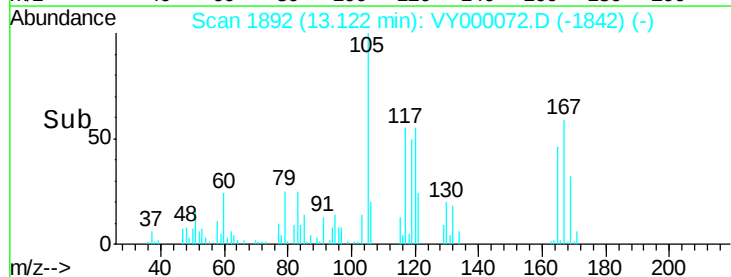
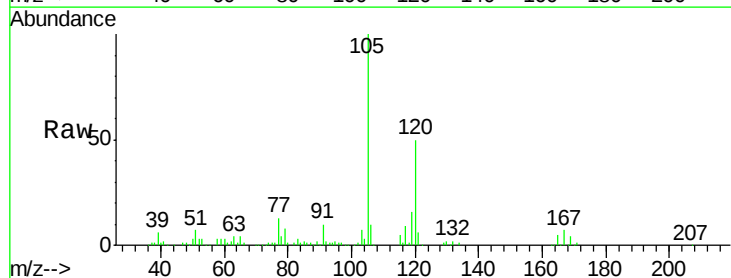
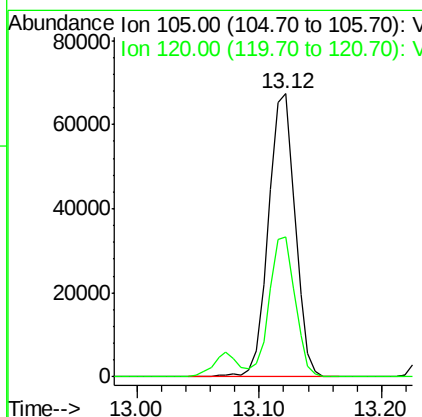
RT: 13.12 min Scan# 1892

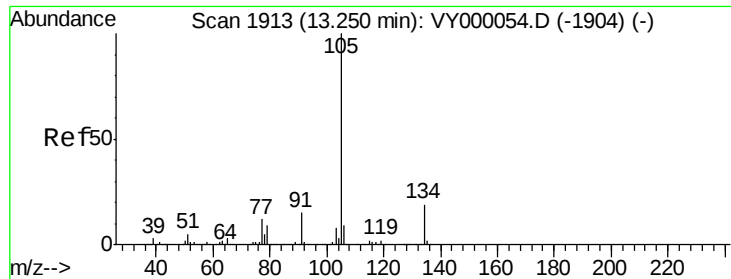
Delta R.T. 0.01 min

Lab File: VY000072.D

Acq: 19 Sep 2019 13:16

Tgt Ion:	105	Resp:	101999
Ion Ratio	Lower	Upper	
105	100		
120	47.8	22.9	68.7





#85

sec-Butylbenzene

Concen: 20.358 ug/l

RT: 13.25 min Scan# 1913

Delta R.T. -0.00 min

Lab File: VY000072.D

Acq: 19 Sep 2019 13:16

Instrument :

MSVOA_Y

ClientSampleId :

VY0919SBS01

Tot Ion:105 Resp: 132441

Ion Ratio Lower Upper

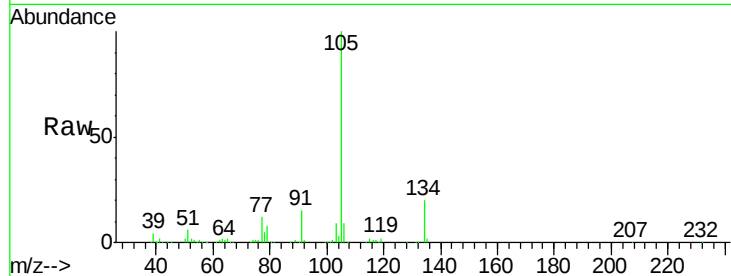
105 100

134 20.8 9.8 29.4

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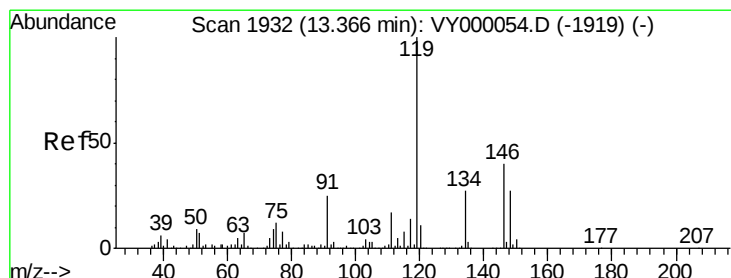
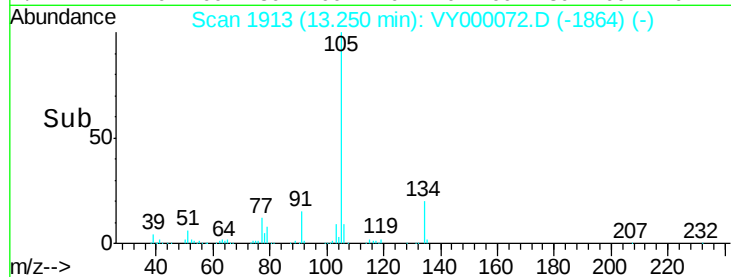
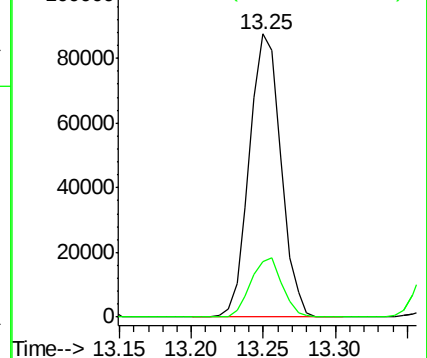
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.471 ug/l

RT: 13.37 min Scan# 1932

Delta R.T. -0.00 min

Lab File: VY000072.D

Acq: 19 Sep 2019 13:16

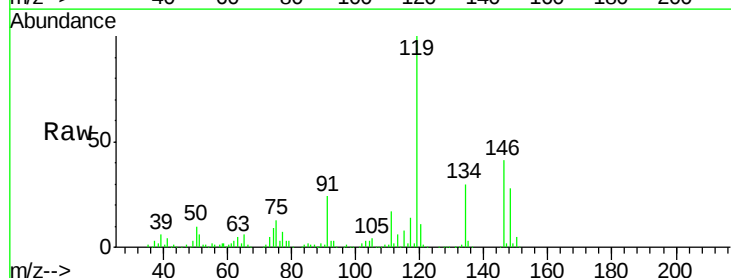
Tgt Ion:119 Resp: 112886

Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.2

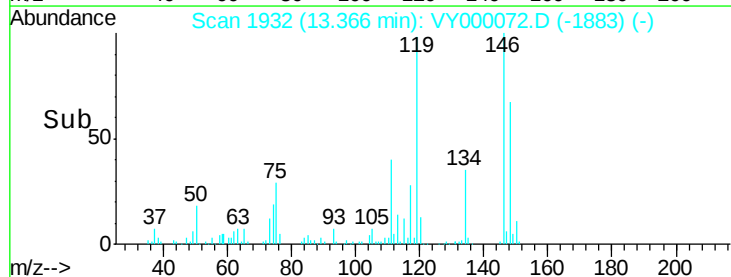
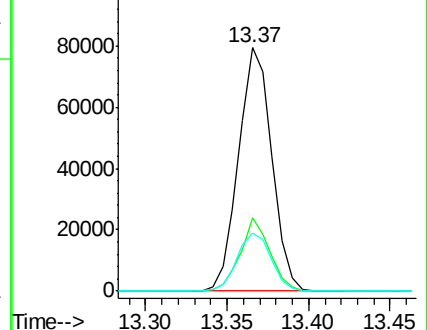
91 24.4 12.4 37.4

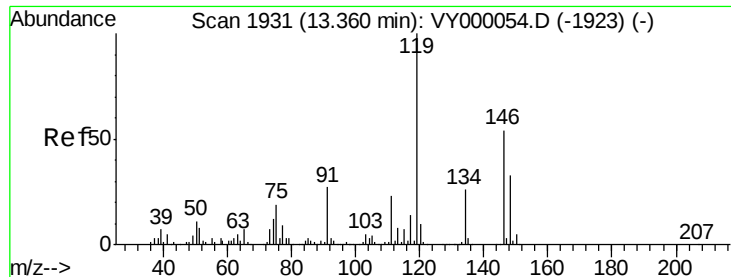


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0





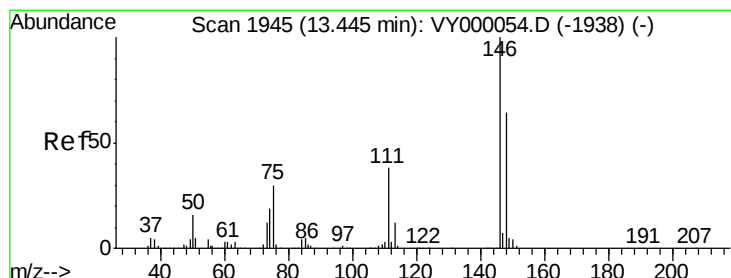
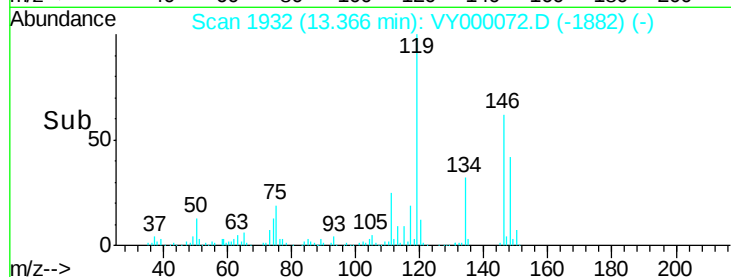
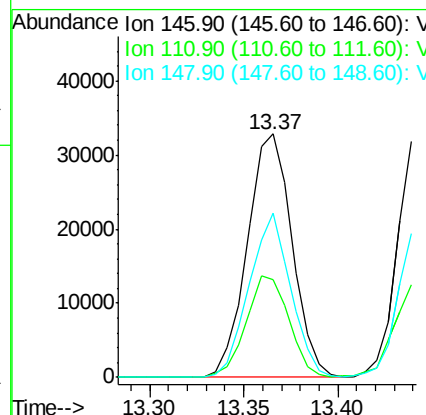
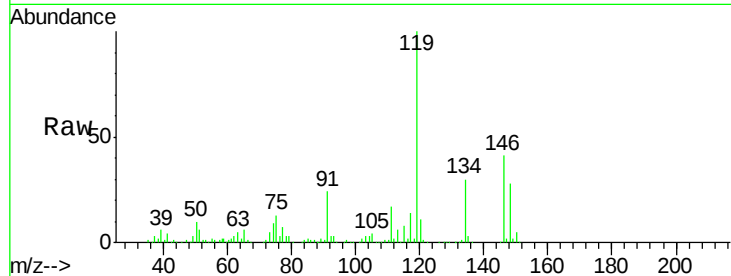
#87
 1,3-Dichlorobenzene
 Concen: 20.966 ug/l
 RT: 13.37 min Scan# 1932
 Delta R.T. 0.01 min
 Lab File: VY000072.D
 Acq: 19 Sep 2019 13:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0919SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	21.1	63.1
148	62.7	31.8	95.3

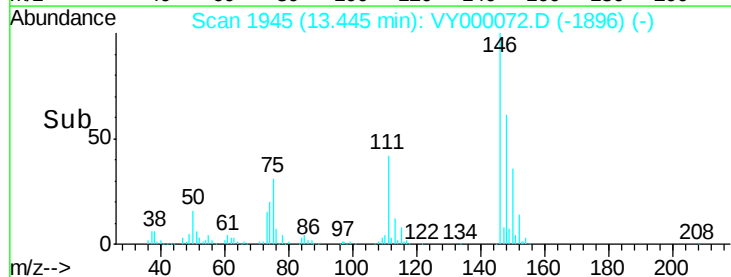
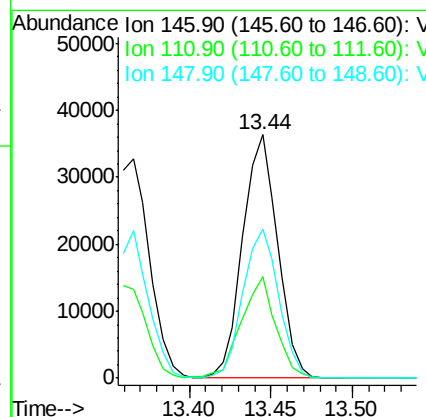
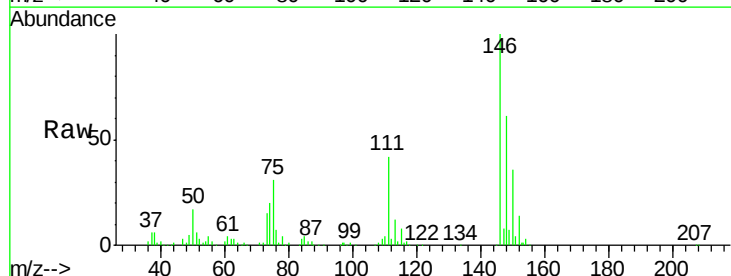
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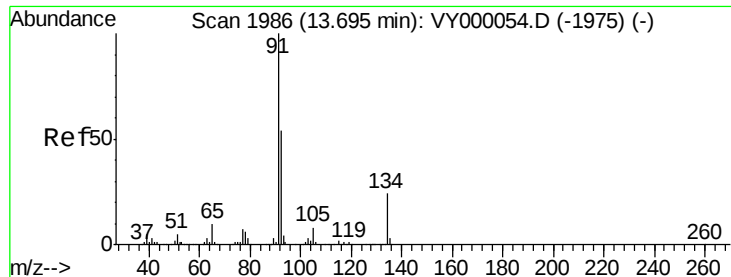
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#88
 1,4-Dichlorobenzene
 Concen: 21.032 ug/l
 RT: 13.44 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VY000072.D
 Acq: 19 Sep 2019 13:16

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.8	62.4
148	62.4	31.5	94.5





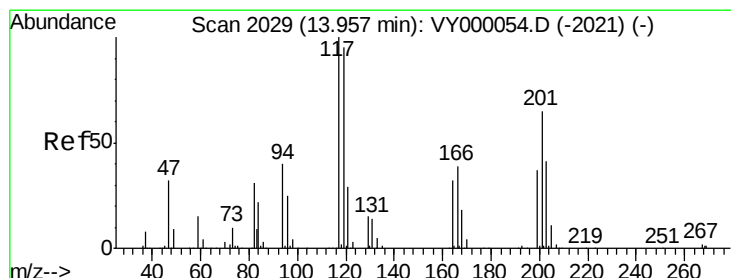
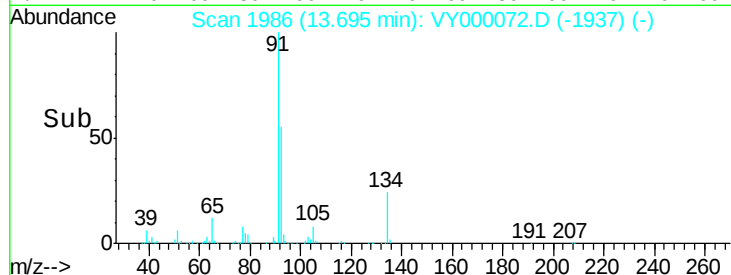
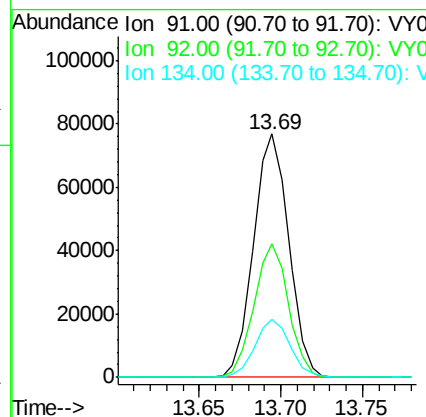
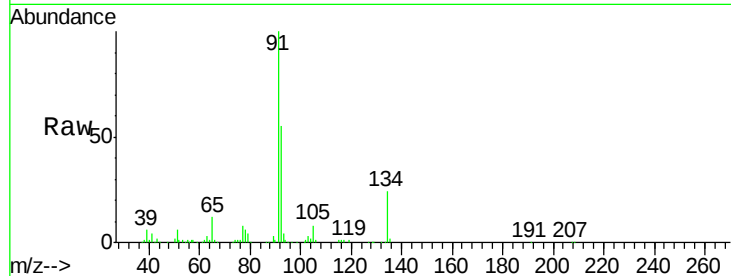
#89
n-Butylbenzene
Concen: 20.326 ug/l
RT: 13.69 min Scan# 1986
Delta R.T. -0.00 min
Lab File: VY000072.D
Acq: 19 Sep 2019 13:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0919SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	115310		
92	53.5	27.2	81.5	
134	23.7	12.2	36.6	

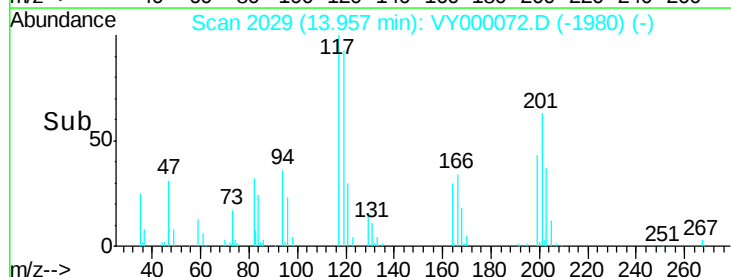
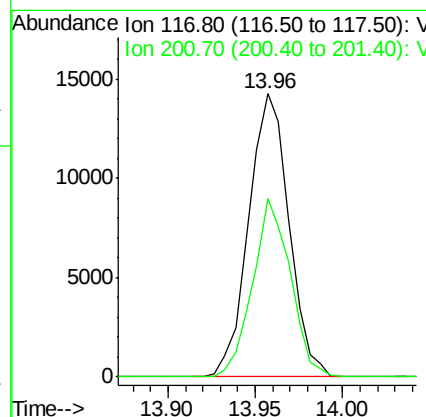
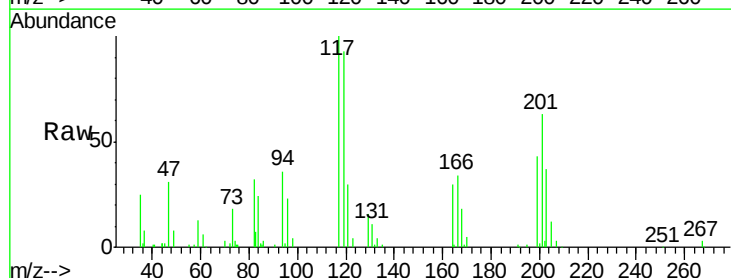
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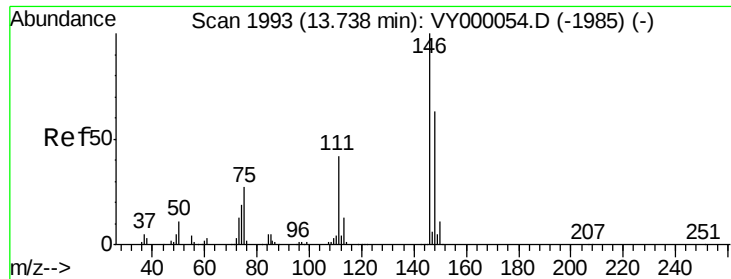
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#90
Hexachloroethane
Concen: 21.064 ug/l
RT: 13.96 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VY000072.D
Acq: 19 Sep 2019 13:16

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	22826		
201	58.8	30.6	92.0	





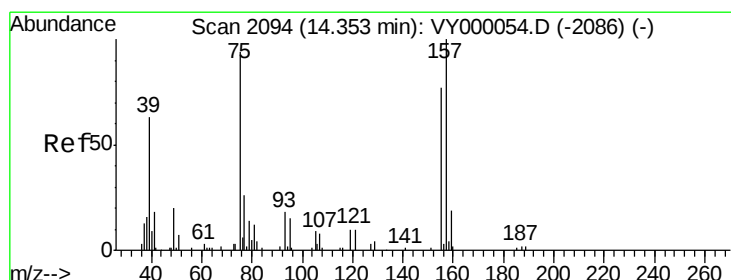
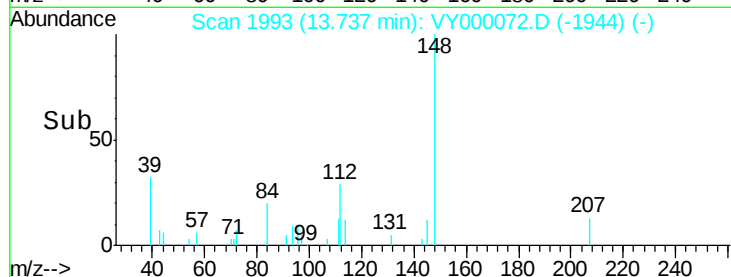
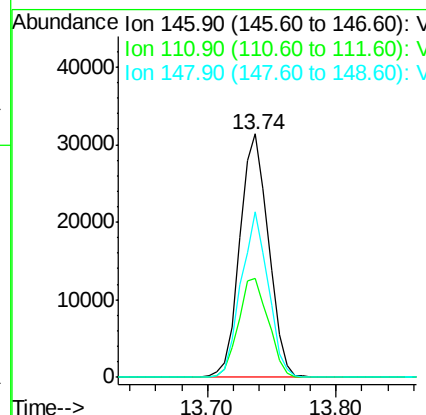
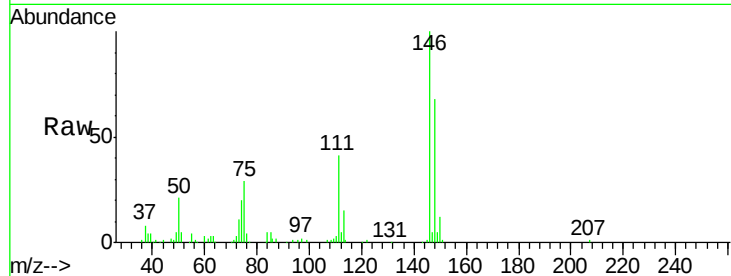
#91
 1,2-Dichlorobenzene
 Concen: 19.999 ug/l
 RT: 13.74 min Scan# 1993
 Delta R.T. -0.00 min
 Lab File: VY000072.D
 Acq: 19 Sep 2019 13:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0919SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.9	65.7
148	64.6	32.4	97.2

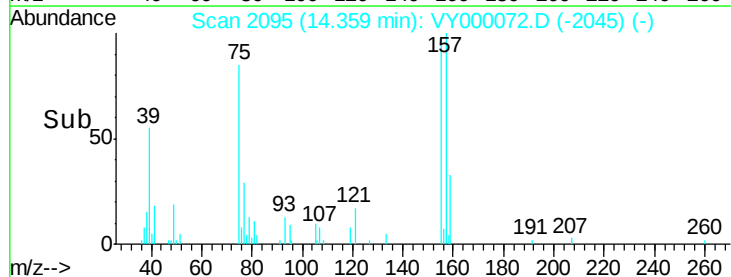
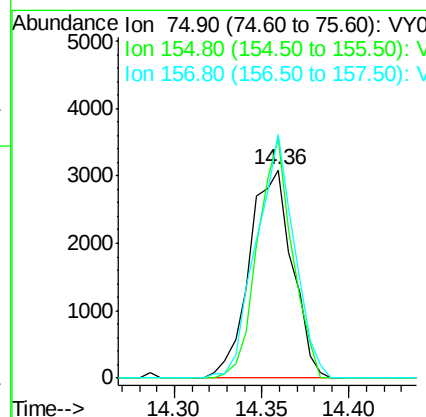
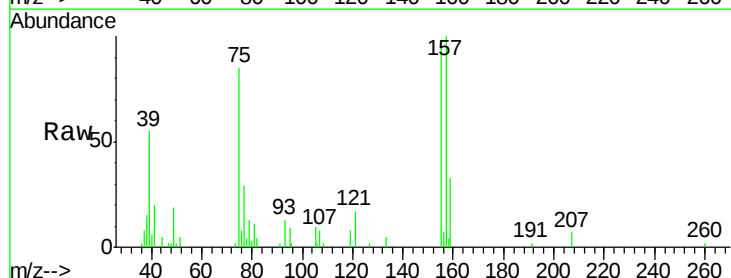
Manual Integrations
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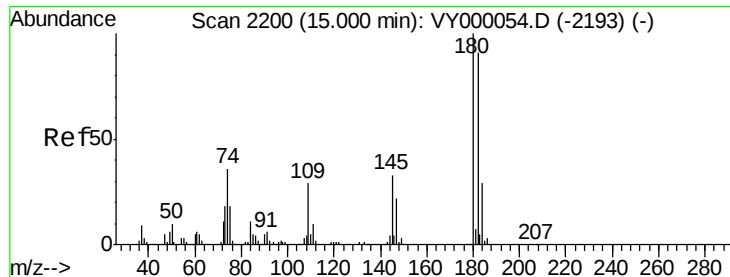
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.207 ug/l
 RT: 14.36 min Scan# 2095
 Delta R.T. 0.01 min
 Lab File: VY000072.D
 Acq: 19 Sep 2019 13:16

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.1	40.6	121.7
157	104.3	52.9	158.8





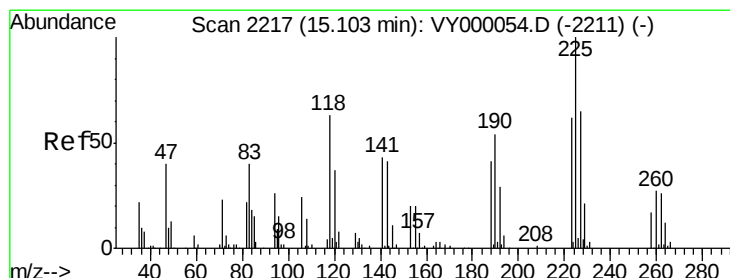
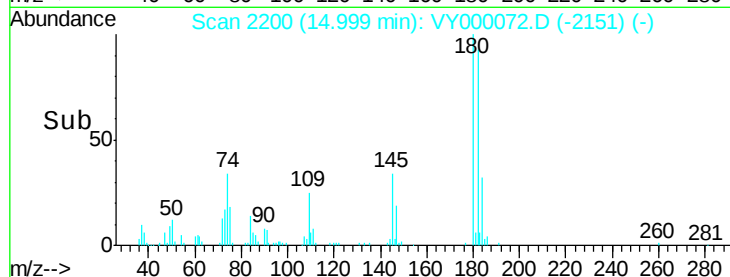
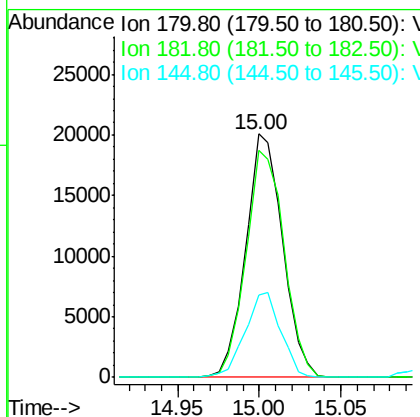
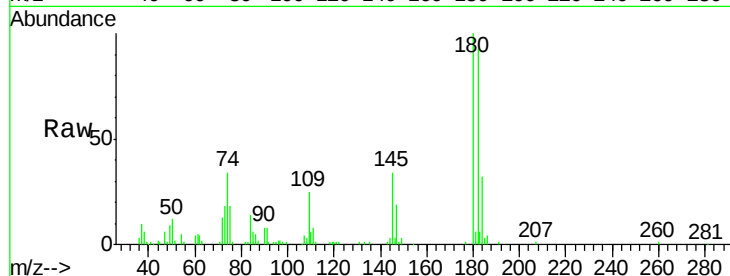
#93
 1,2,4-Trichlorobenzene
 Concen: 21.717 ug/l
 RT: 15.00 min Scan# 2200
 Delta R.T. -0.00 min
 Lab File: VY000072.D
 Acq: 19 Sep 2019 13:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0919SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	31686		
182	96.6	48.5	145.6	
145	33.9	17.2	51.6	

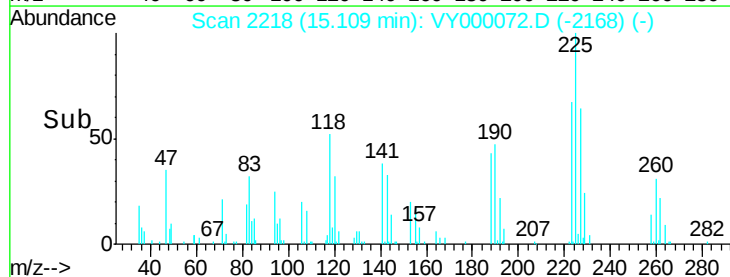
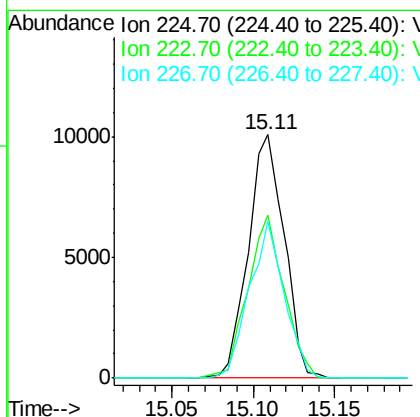
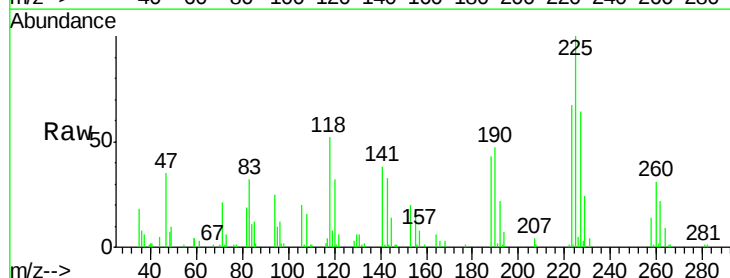
Manual Integrations
 APPROVED

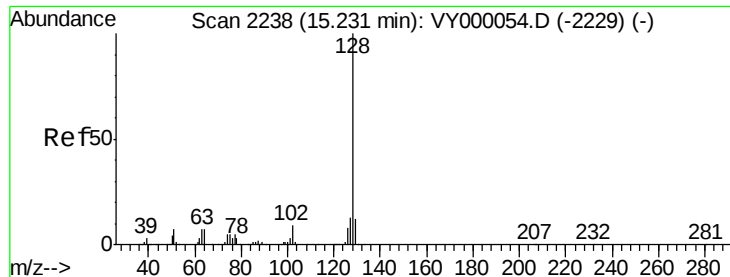
MMDadoda
 9/24/2019 5:30:34 AM



#94
 Hexachlorobutadiene
 Concen: 22.164 ug/l
 RT: 15.11 min Scan# 2218
 Delta R.T. 0.01 min
 Lab File: VY000072.D
 Acq: 19 Sep 2019 13:16

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	15526		
223	67.8	31.9	95.5	
227	62.2	30.6	91.6	





#95

Naphthalene

Concen: 20.486 ug/l

RT: 15.23 min Scan# 2238

Delta R.T. -0.00 min

Lab File: VY000072.D

Acq: 19 Sep 2019 13:16

Instrument :

MSVOA_Y

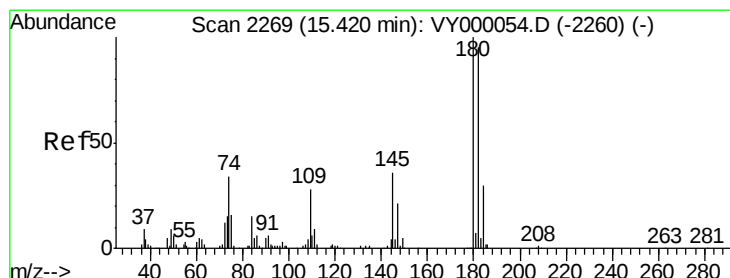
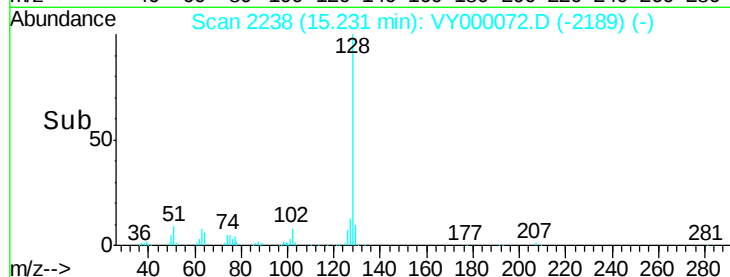
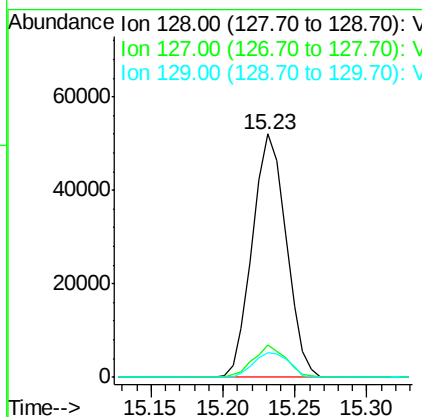
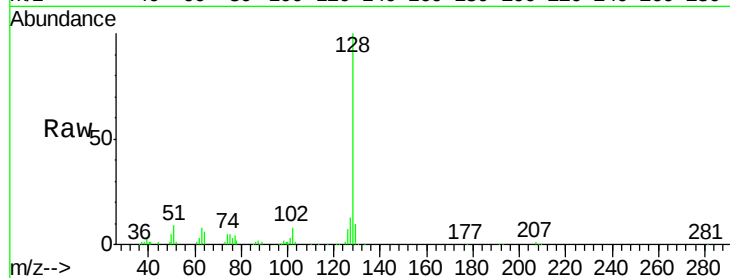
ClientSampleId :

VY0919SBS01

Tot Ion:	128	Resp:	84850
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.3	15.5
129	10.6	9.2	13.8

Manual Integrations
APPROVED

MMDadoda
9/24/2019 5:30:34 AM



#96

1,2,3-Trichlorobenzene

Concen: 20.869 ug/l

RT: 15.42 min Scan# 2269

Delta R.T. -0.00 min

Lab File: VY000072.D

Acq: 19 Sep 2019 13:16

Tgt Ion:	180	Resp:	29059
Ion Ratio	Lower	Upper	
180	100		
182	89.8	47.5	142.5
145	31.2	17.4	52.2

