

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021220\
 Data File : VY001610.D
 Acq On : 12 Feb 2020 13:06
 Operator : SY/MD
 Sample : VY0212SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0212SBS01

Manual Integrations
 APPROVED

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 2/13/2020 12:27:54 PM

Quant Time: Feb 13 08:00:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y020420S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 04 15:10:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	191055	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	328821	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	293899	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	142237	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.16	65	97442	50.65	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.30%	
35) Dibromofluoromethane	7.74	113	91290	48.15	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.30%	
50) Toluene-d8	10.19	98	373874	52.12	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	104.24%	
62) 4-Bromofluorobenzene	12.49	95	134270	47.51	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	95.02%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	30982	16.566	ug/l	98
3) Chloromethane	2.13	50	41849	21.410	ug/l	98
4) Vinyl Chloride	2.26	62	43512	21.439	ug/l	97
5) Bromomethane	2.66	94	29035	22.747	ug/l	96
6) Chloroethane	2.80	64	27022	22.088	ug/l	96
7) Trichlorofluoromethane	3.14	101	58302	17.354	ug/l	100
8) Diethyl Ether	3.55	74	21782	19.213	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	3.92	101	36641	18.127	ug/l	99
10) Methyl Iodide	4.11	142	40900	15.880	ug/l	99
11) Tert butyl alcohol	4.97	59	22872	83.167	ug/l #	85
12) 1,1-Dichloroethene	3.90	96	36404	18.123	ug/l	98
13) Acrolein	3.75	56	16168	88.763	ug/l	98
14) Allyl chloride	4.50	41	63944	20.809	ug/l	96
15) Acrylonitrile	5.19	53	56497	108.706	ug/l	98
16) Acetone	3.97	43	53125	95.474	ug/l	97
17) Carbon Disulfide	4.21	76	116840	18.272	ug/l	99
18) Methyl Acetate	4.50	43	28932	24.365	ug/l	94
19) Methyl tert-butyl Ether	5.24	73	101223	18.949	ug/l	99
20) Methylene Chloride	4.74	84	46769	18.487	ug/l	91
21) trans-1,2-Dichloroethene	5.24	96	41825	18.730	ug/l	97
22) Diisopropyl ether	6.14	45	131972	21.678	ug/l #	96
23) Vinyl Acetate	6.08	43	421210	108.684	ug/l	96
24) 1,1-Dichloroethane	6.04	63	70999	19.389	ug/l	98
25) 2-Butanone	7.01	43	79173	109.675	ug/l	93
26) 2,2-Dichloropropane	7.00	77	62324	17.783	ug/l	98
27) cis-1,2-Dichloroethene	7.00	96	46346	19.002	ug/l	97
28) Bromochloromethane	7.35	49	27364	21.936	ug/l	87
29) Tetrahydrofuran	7.36	42	50331	116.324	ug/l	93
30) Chloroform	7.52	83	69472	18.730	ug/l	97
31) Cyclohexane	7.80	56	75503	20.157	ug/l	98
32) 1,1,1-Trichloroethane	7.72	97	59345	17.647	ug/l	96
36) 1,1-Dichloropropene	7.93	75	58358	19.400	ug/l	99
37) Ethyl Acetate	7.09	43	33567	23.051	ug/l	96
38) Carbon Tetrachloride	7.91	117	50987	17.519	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Tue Feb 04 15:10:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	76463	19.305	ug/l	98
40) Benzene	8.17	78	167862	19.564	ug/l	100
41) Methacrylonitrile	7.34	41	17842m	26.436	ug/l	
42) 1,2-Dichloroethane	8.25	62	46227	19.339	ug/l	98
43) Isopropyl Acetate	8.28	43	65884	22.851	ug/l	93
44) Trichloroethene	8.95	130	42339	18.307	ug/l	97
45) 1,2-Dichloropropane	9.22	63	42220	20.378	ug/l	100
46) Dibromomethane	9.31	93	21933	18.852	ug/l	98
47) Bromodichloromethane	9.50	83	53657	18.929	ug/l	97
48) Methyl methacrylate	9.30	41	28812	22.018	ug/l	94
49) 1,4-Dioxane	9.31	88	5694	370.593	ug/l	92
51) 4-Methyl-2-Pentanone	10.08	43	167275	117.808	ug/l	95
52) Toluene	10.25	92	104746	19.240	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	57971	18.776	ug/l	99
54) cis-1,3-Dichloropropene	9.94	75	67017	18.907	ug/l	94
55) 1,1,2-Trichloroethane	10.65	97	32824	19.665	ug/l	96
56) Ethyl methacrylate	10.52	69	48220	20.310	ug/l	89
57) 1,3-Dichloropropane	10.80	76	57556	19.561	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.79	63	92685	106.121	ug/l	96
59) 2-Hexanone	10.84	43	121340	117.533	ug/l	96
60) Dibromochloromethane	10.99	129	36234	18.416	ug/l	99
61) 1,2-Dibromoethane	11.10	107	30677	18.659	ug/l	97
64) Tetrachloroethene	10.72	164	34936	18.126	ug/l	97
65) Chlorobenzene	11.52	112	107108	18.561	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.60	131	37339	18.487	ug/l	99
67) Ethyl Benzene	11.60	91	204215	19.140	ug/l	98
68) m/p-Xylenes	11.70	106	153776	38.391	ug/l	97
69) o-Xylene	12.03	106	72380	19.165	ug/l	100
70) Styrene	12.05	104	123866	18.966	ug/l	99
71) Bromoform	12.21	173	20402	18.141	ug/l #	97
73) Isopropylbenzene	12.33	105	195981	18.066	ug/l	100
74) N-amyl acetate	12.15	43	60874	21.595	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.59	83	41186	19.983	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	28024m	18.321	ug/l	
77) Bromobenzene	12.61	156	42304	18.020	ug/l	97
78) n-propylbenzene	12.67	91	242615	18.681	ug/l	98
79) 2-Chlorotoluene	12.76	91	133898	18.088	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	165012	18.062	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	14590	18.456	ug/l	97
82) 4-Chlorotoluene	12.86	91	140703	18.128	ug/l	99
83) tert-Butylbenzene	13.08	119	140575	18.203	ug/l	98
84) 1,2,4-Trimethylbenzene	13.13	105	163081	18.035	ug/l	99
85) sec-Butylbenzene	13.26	105	201441	18.553	ug/l	100
86) p-Isopropyltoluene	13.38	119	179284	18.738	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	82959	18.439	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	83606	18.549	ug/l	99
89) n-Butylbenzene	13.70	91	180181	19.086	ug/l	99
90) Hexachloroethane	13.97	117	32407	17.647	ug/l	98
91) 1,2-Dichlorobenzene	13.75	146	75907	18.617	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	6701	17.611	ug/l	98

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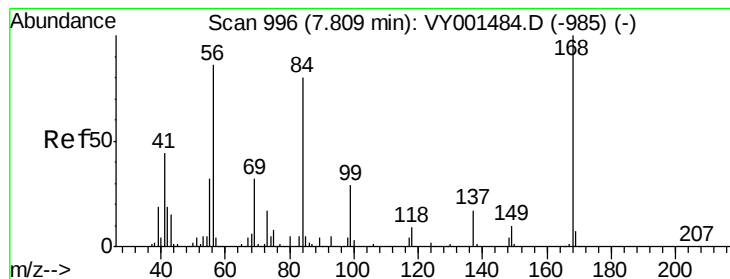
Manual Integrations
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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	50416	18.349	ug/l	98
94) Hexachlorobutadiene	15.12	225	26381	18.918	ug/l	96
95) Naphthalene	15.25	128	114526	17.736	ug/l	99
96) 1,2,3-Trichlorobenzene	15.43	180	45509	18.764	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.00 min

Lab File: VY001610.D

Acq: 12 Feb 2020 13:06

Instrument :

MSVOA_Y

ClientSampleId :

VY0212SBS01

Tot Ion:168 Resp: 191055

Ion Ratio Lower Upper

168 100

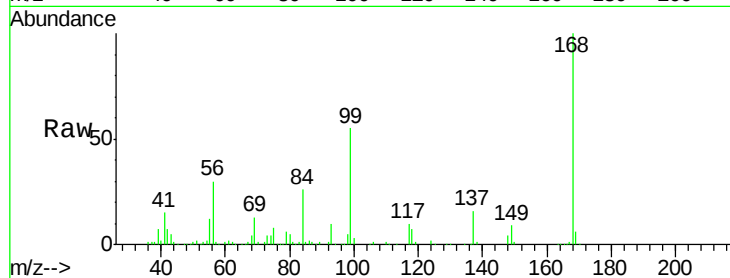
99 54.6 48.2 72.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VY001610.D (-947) (-)

Ion 98.90 (98.60 to 99.60): VY001610.D (-947) (-)

7.81

80000

60000

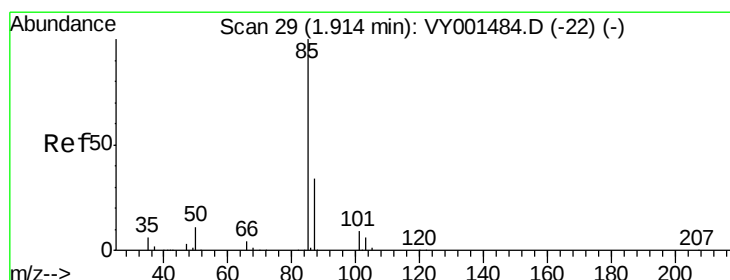
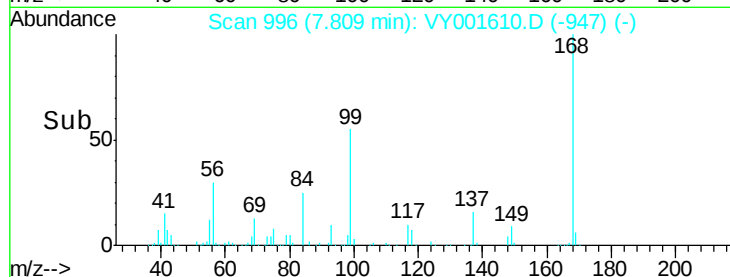
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 16.566 ug/l

RT: 1.91 min Scan# 29

Delta R.T. 0.00 min

Lab File: VY001610.D

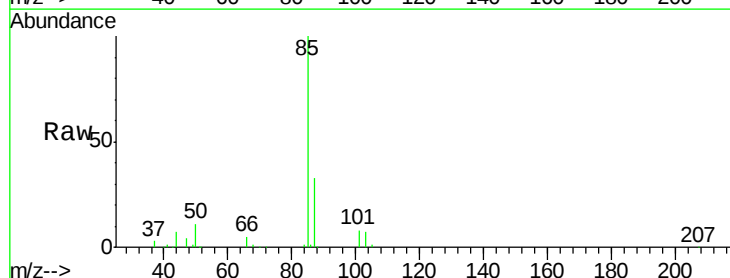
Acq: 12 Feb 2020 13:06

Tgt Ion: 85 Resp: 30982

Ion Ratio Lower Upper

85 100

87 32.6 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VY001610.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VY001610.D (-1) (-)

1.91

25000

20000

15000

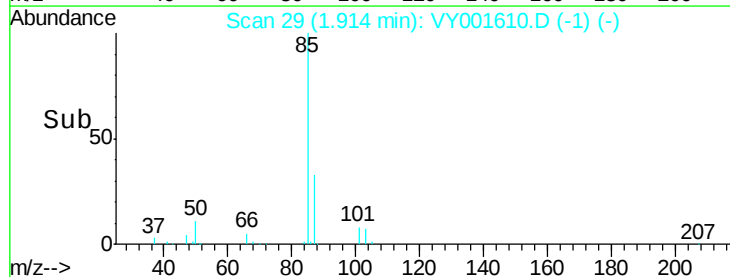
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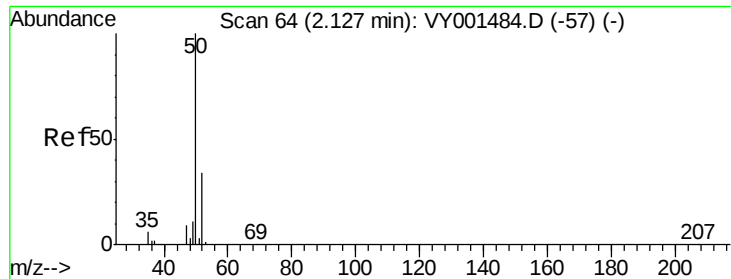
5000

0

1.85 1.90 1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 21.410 ug/l

RT: 2.13 min Scan# 64

Delta R.T. 0.00 min

Lab File: VY001610.D

Acq: 12 Feb 2020 13:06

Instrument :

MSVOA_Y

ClientSampleId :

VY0212SBS01

Tot Ion: 50 Resp: 41849

Ion Ratio Lower Upper

50 100

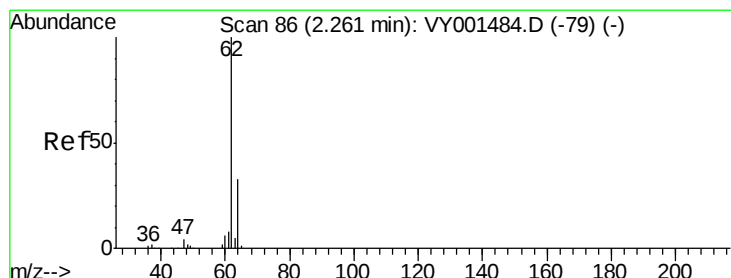
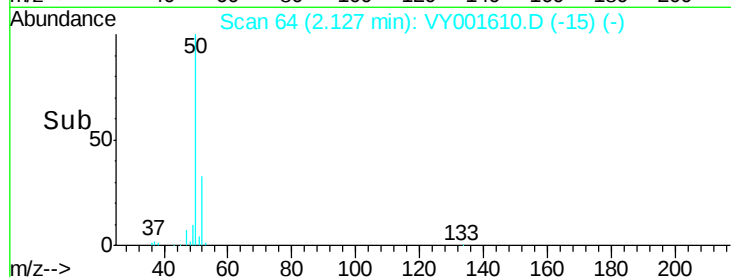
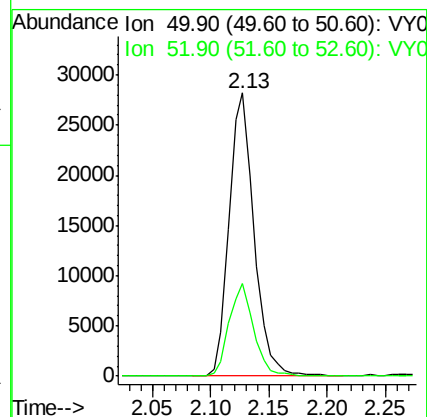
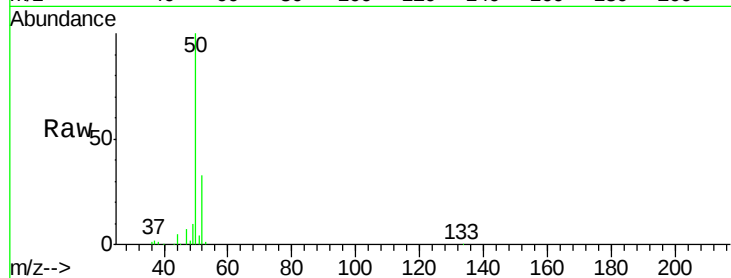
52 33.0 27.3 40.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 21.439 ug/l

RT: 2.26 min Scan# 86

Delta R.T. 0.00 min

Lab File: VY001610.D

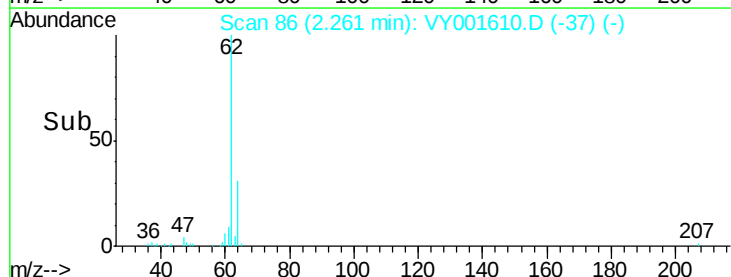
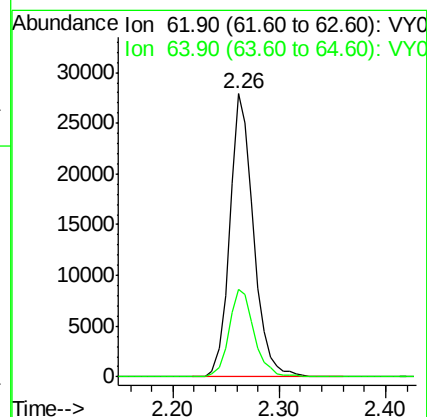
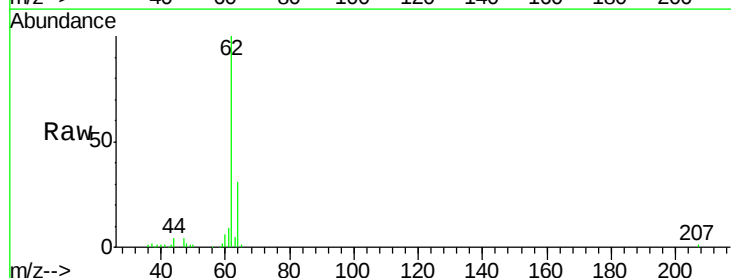
Acq: 12 Feb 2020 13:06

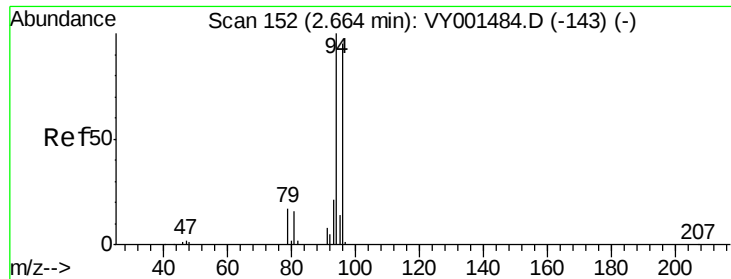
Tgt Ion: 62 Resp: 43512

Ion Ratio Lower Upper

62 100

64 31.0 26.4 39.6





#5

Bromomethane

Concen: 22.747 ug/l

RT: 2.66 min Scan# 151

Delta R.T. -0.01 min

Lab File: VY001610.D

Acq: 12 Feb 2020 13:06

Instrument :

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ClientSampleId :

VY0212SBS01

Tot Ion: 94 Resp: 29035

Ion Ratio Lower Upper

94 100

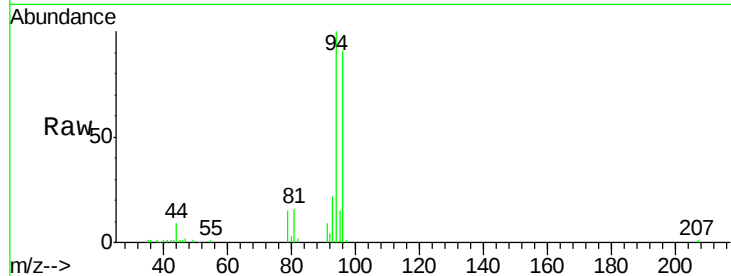
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Manual Integrations

APPROVED

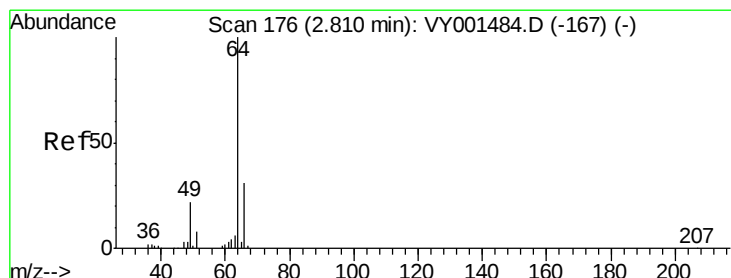
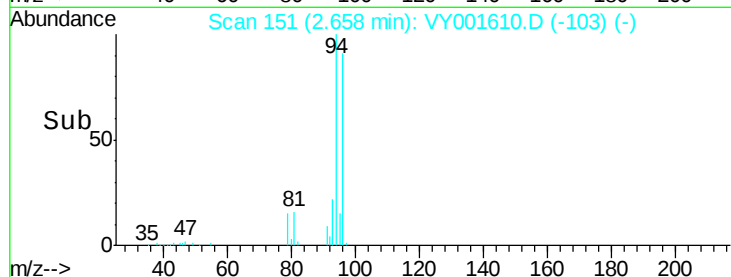
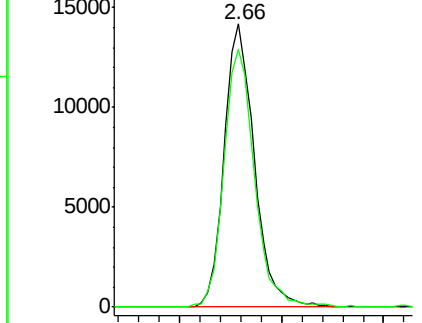
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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 22.088 ug/l

RT: 2.80 min Scan# 175

Delta R.T. -0.01 min

Lab File: VY001610.D

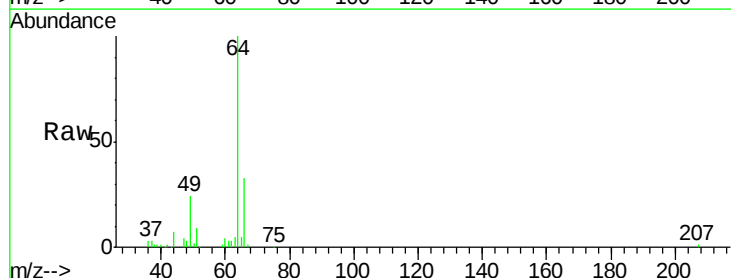
Acq: 12 Feb 2020 13:06

Tgt Ion: 64 Resp: 27022

Ion Ratio Lower Upper

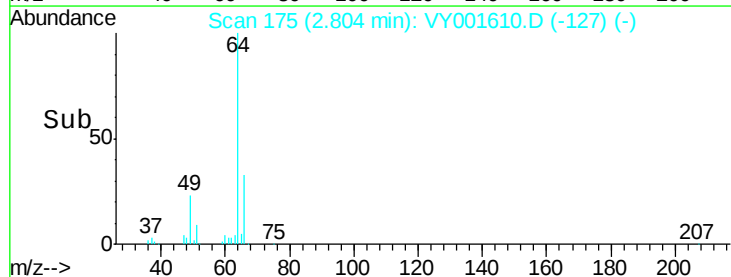
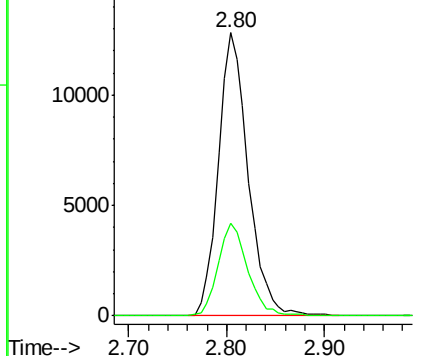
64 100

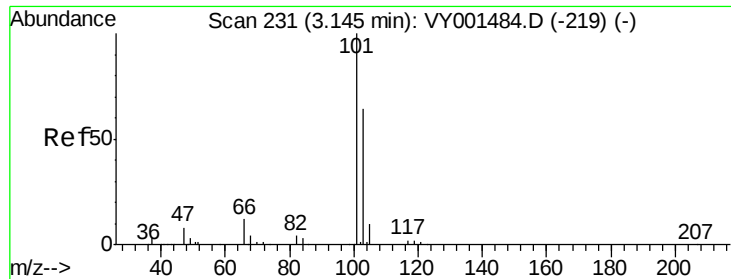
66 32.8 24.5 36.7



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

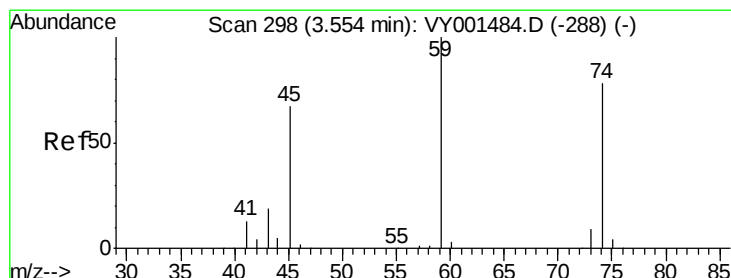
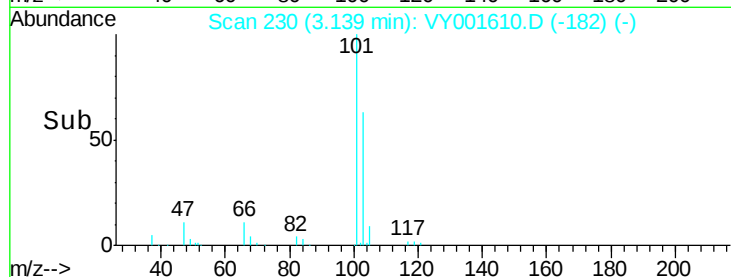
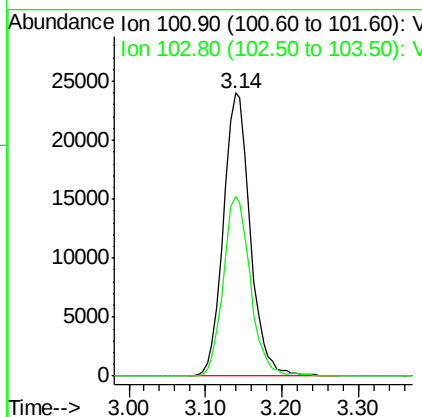
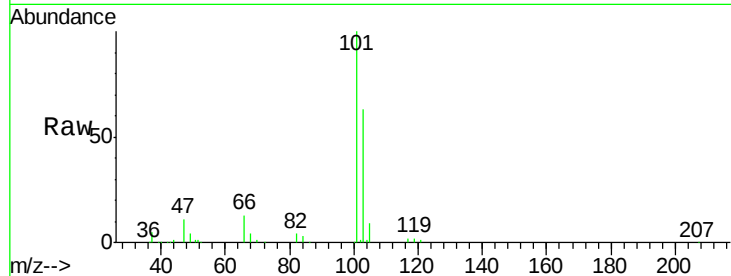
Trichlorofluoromethane
 Concen: 17.354 ug/l
 RT: 3.14 min Scan# 230
 Delta R.T. -0.01 min
 Lab File: VY001610.D
 Acq: 12 Feb 2020 13:06

Instrument :
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 VY0212SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.3	50.9	76.3

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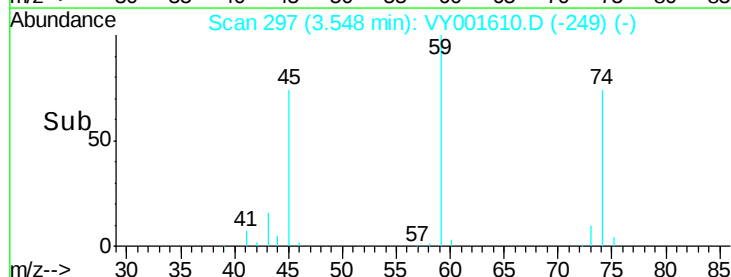
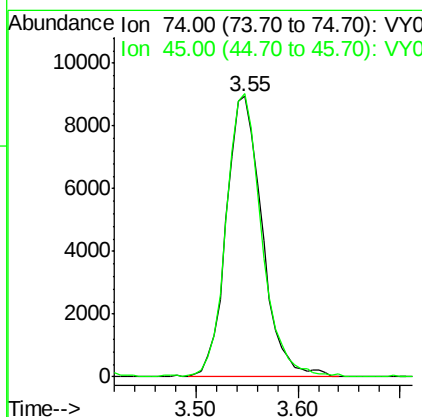
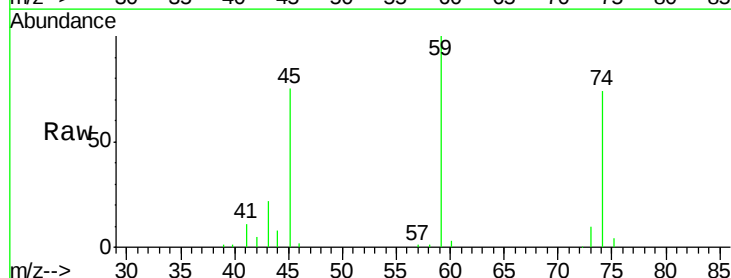
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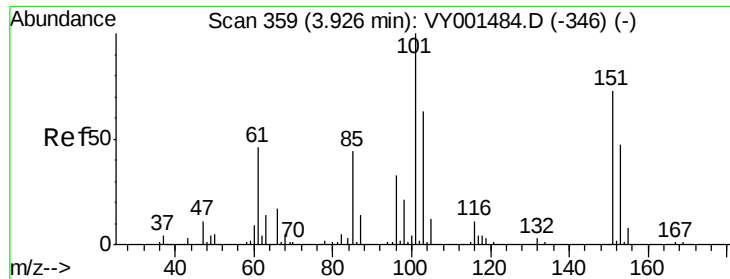


#8

Diethyl Ether
 Concen: 19.213 ug/l
 RT: 3.55 min Scan# 297
 Delta R.T. -0.01 min
 Lab File: VY001610.D
 Acq: 12 Feb 2020 13:06

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.0	44.5	133.5





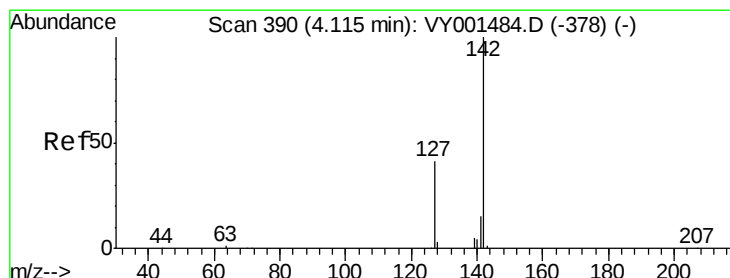
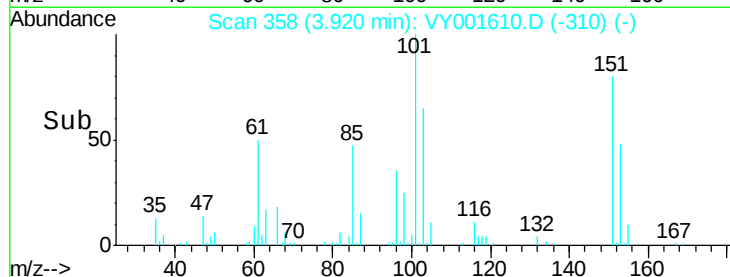
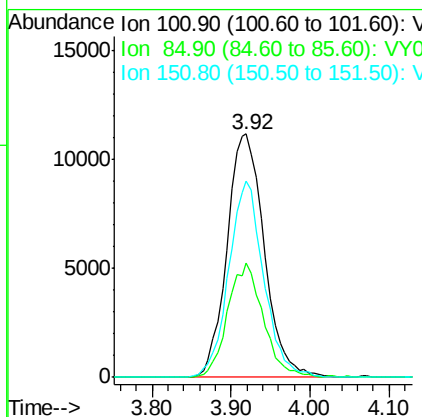
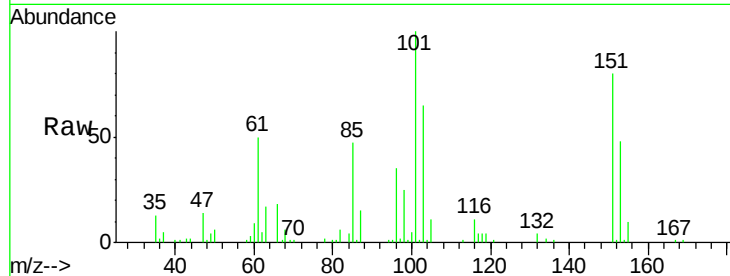
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 18.127 ug/l
 RT: 3.92 min Scan# 358
 Delta R.T. -0.01 min
 Lab File: VY001610.D
 Acq: 12 Feb 2020 13:06

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0212SBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	36641		
85	44.7	34.6	51.8	
151	75.7	60.3	90.5	

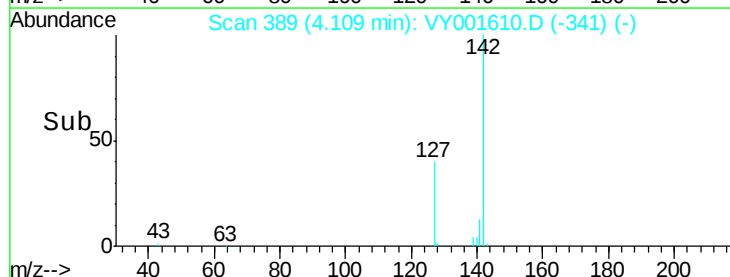
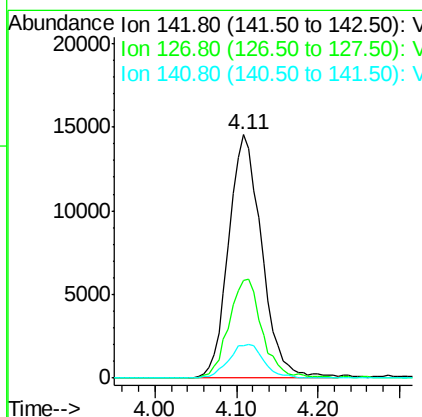
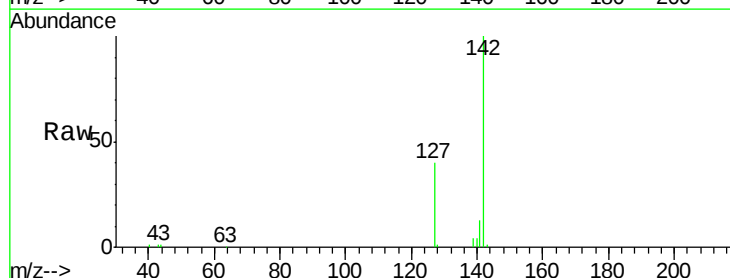
Manual Integrations
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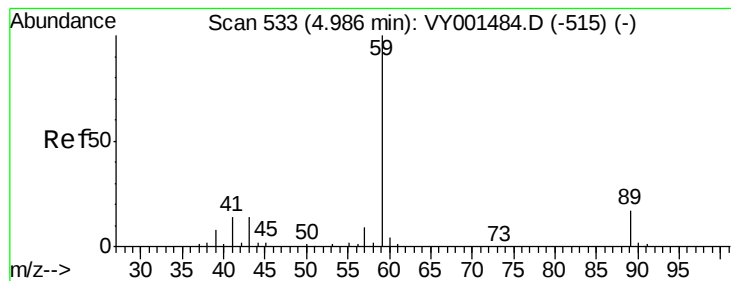
MMDadoda
 2/13/2020 12:27:54 PM



#10
 Methyl Iodide
 Concen: 15.880 ug/l
 RT: 4.11 min Scan# 389
 Delta R.T. -0.01 min
 Lab File: VY001610.D
 Acq: 12 Feb 2020 13:06

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	40900		
127	40.7	33.3	49.9	
141	14.6	11.5	17.3	





#11

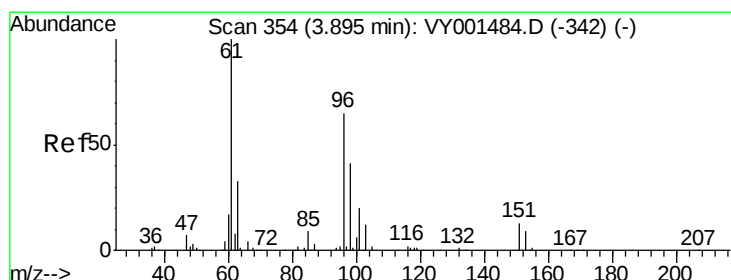
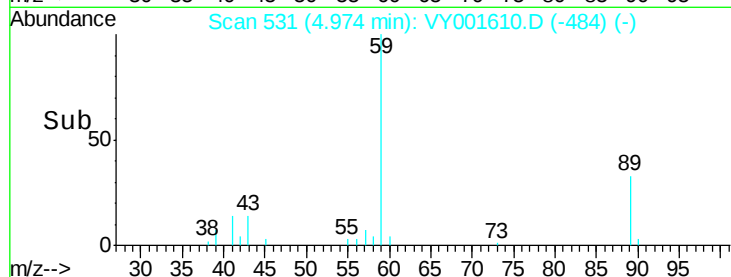
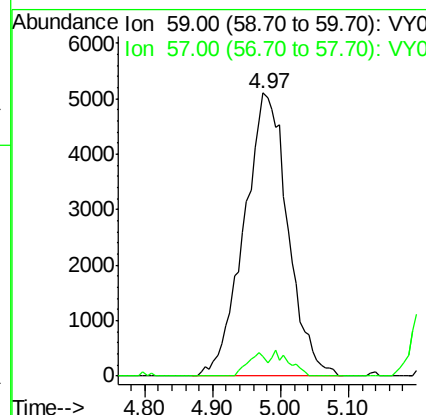
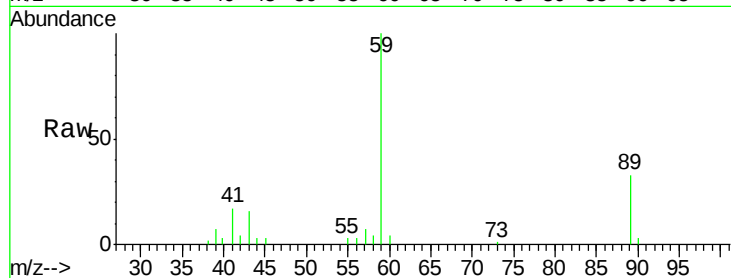
Tert butyl alcohol
 Concen: 83.167 ug/l
 RT: 4.97 min Scan# 531
 Delta R.T. -0.01 min
 Lab File: VY001610.D
 Acq: 12 Feb 2020 13:06

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0212SBS01

Tot Ion	Ion	Ratio	Lower	Upper
59	59	100		
57	57	3.4	7.0	10.6#

Manual Integrations
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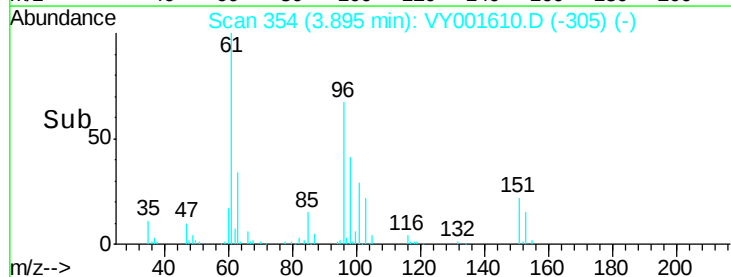
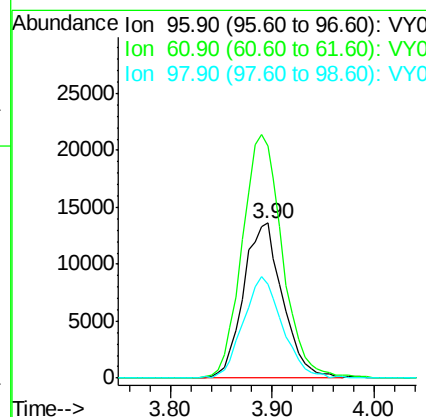
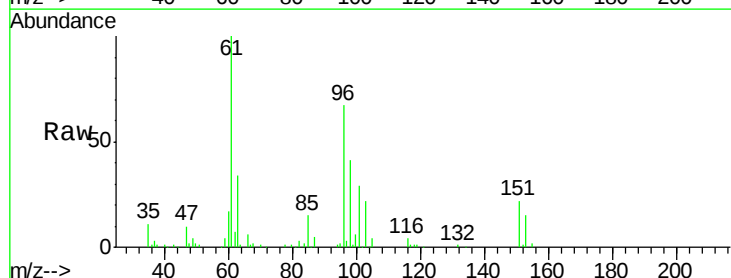
MMDadoda
 2/13/2020 12:27:54 PM

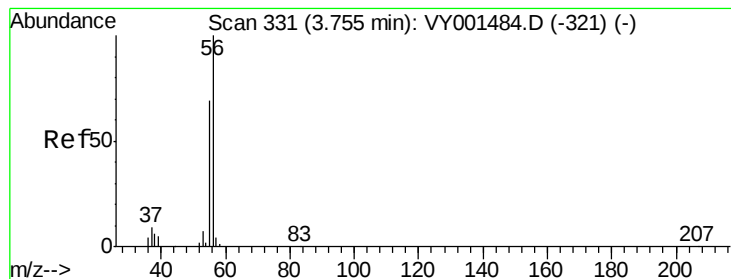


#12

1,1-Dichloroethene
 Concen: 18.123 ug/l
 RT: 3.90 min Scan# 354
 Delta R.T. 0.00 min
 Lab File: VY001610.D
 Acq: 12 Feb 2020 13:06

Tgt Ion	Ion	Ratio	Lower	Upper
96	96	100		
61	61	149.7	122.3	183.5
98	98	60.8	49.7	74.5





#13

Acrolein

Concen: 88.763 ug/l

RT: 3.75 min Scan# 330

Delta R.T. -0.01 min

Lab File: VY001610.D

Acq: 12 Feb 2020 13:06

Instrument :

MSVOA_Y

ClientSampleId :

VY0212SBS01

Tot Ion: 56 Resp: 16168

Ion Ratio Lower Upper

56 100

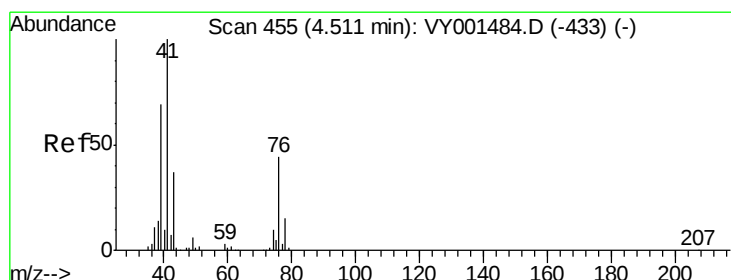
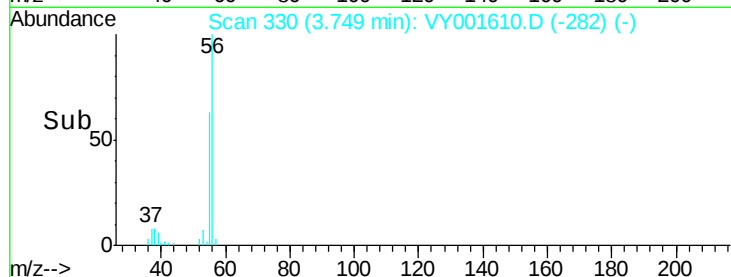
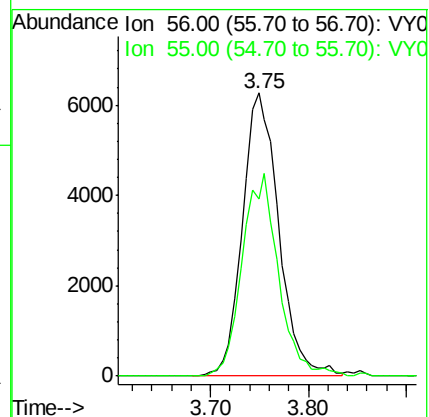
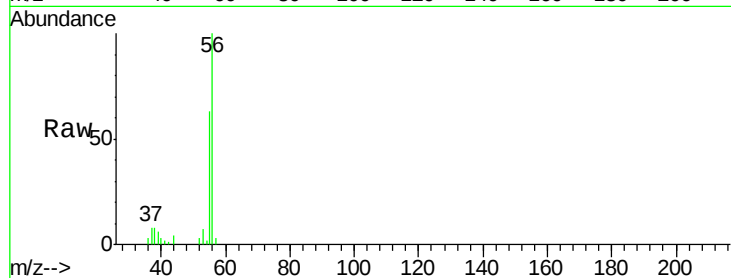
55 71.6 56.2 84.4

Manual Integrations

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MMDadoda

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#14

Allyl chloride

Concen: 20.809 ug/l

RT: 4.50 min Scan# 454

Delta R.T. -0.01 min

Lab File: VY001610.D

Acq: 12 Feb 2020 13:06

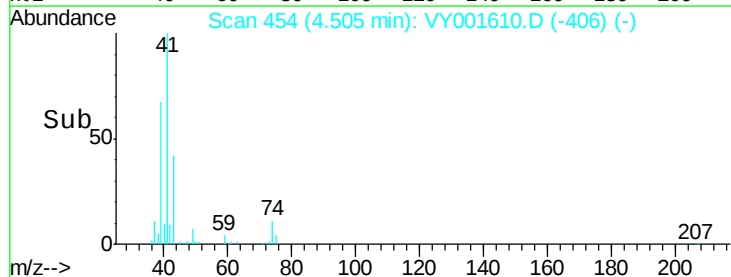
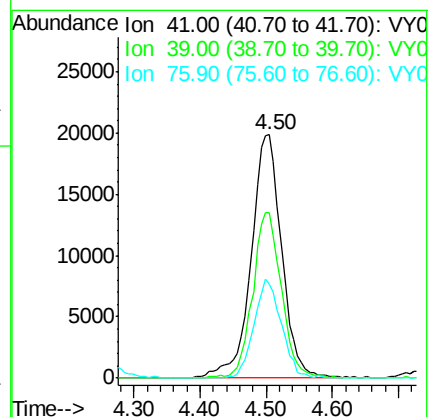
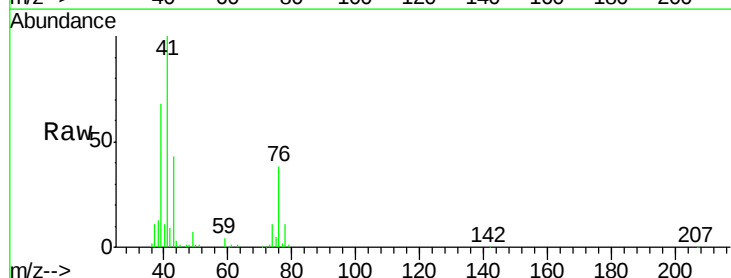
Tgt Ion: 41 Resp: 63944

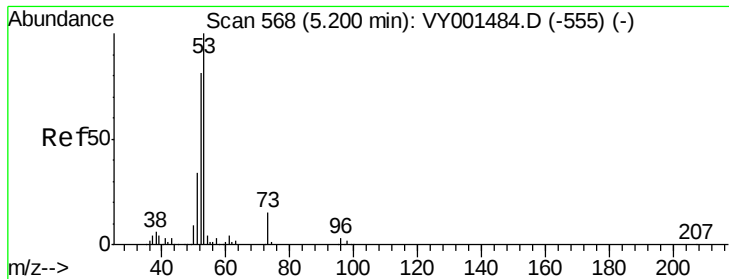
Ion Ratio Lower Upper

41 100

39 64.4 53.0 79.6

76 36.2 32.6 48.8





#15

Acrylonitrile

Concen: 108.706 ug/l

RT: 5.19 min Scan# 566

Delta R.T. -0.01 min

Lab File: VY001610.D

Acq: 12 Feb 2020 13:06

Instrument :

MSVOA_Y

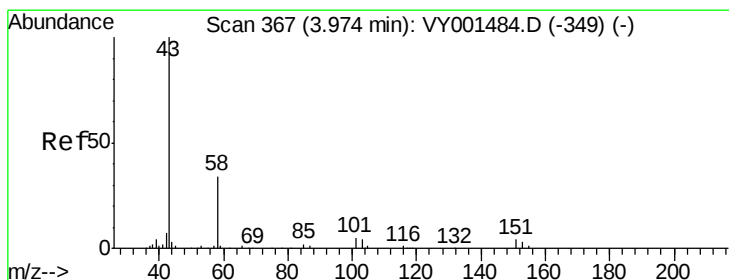
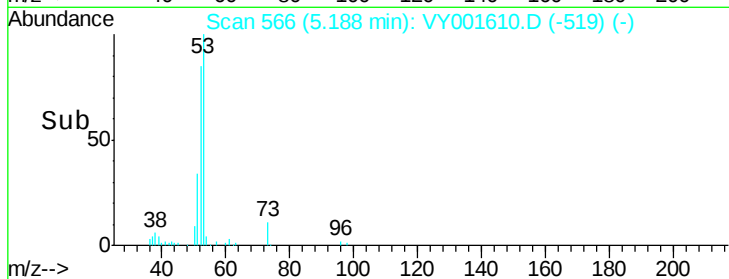
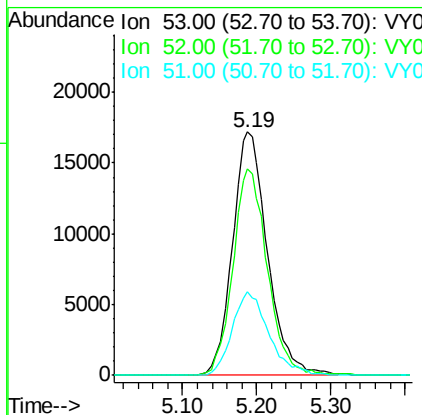
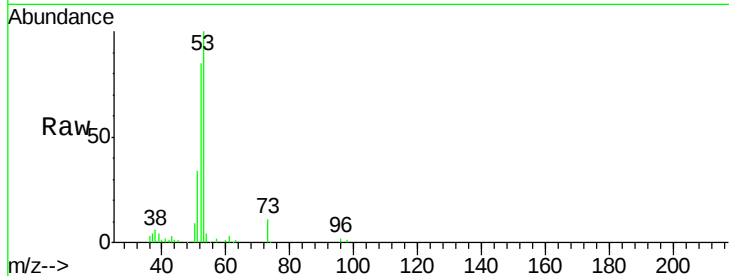
ClientSampleId :

VY0212SBS01

Tot Ion:	53	Resp:	56497
Ion Ratio	Lower	Upper	
53	100		
52	83.5	65.4	98.2
51	35.8	29.0	43.4

Manual Integrations
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#16

Acetone

Concen: 95.474 ug/l

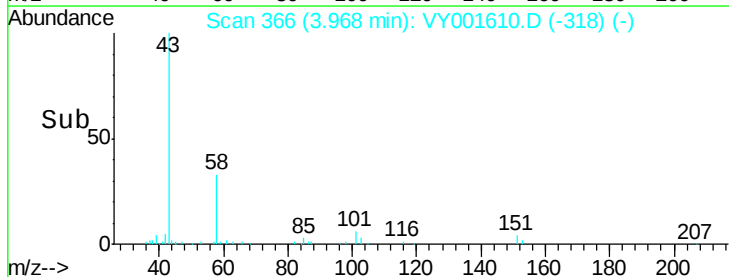
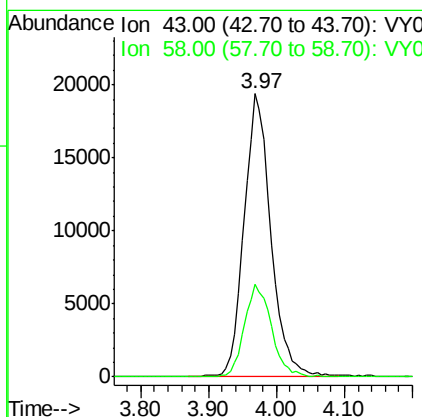
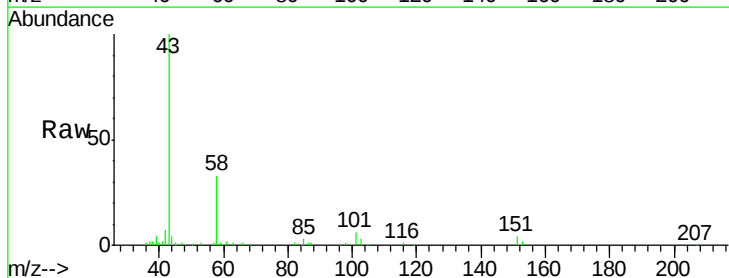
RT: 3.97 min Scan# 366

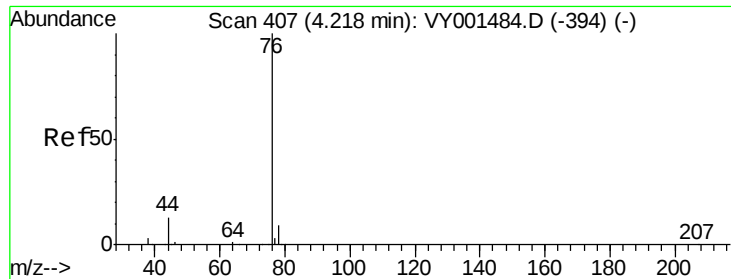
Delta R.T. -0.01 min

Lab File: VY001610.D

Acq: 12 Feb 2020 13:06

Tgt Ion:	43	Resp:	53125
Ion Ratio	Lower	Upper	
43	100		
58	32.8	27.5	41.3





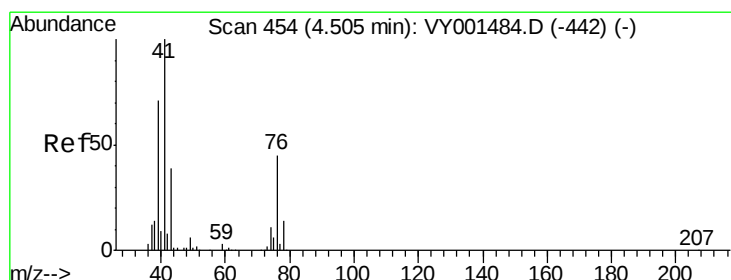
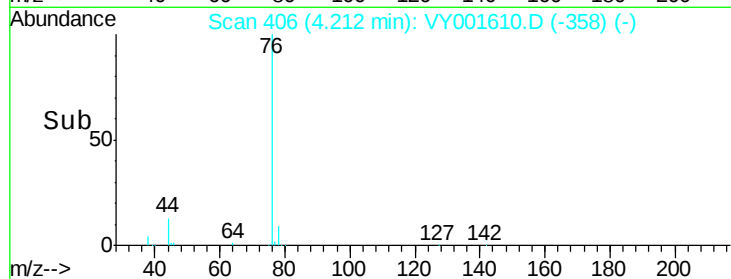
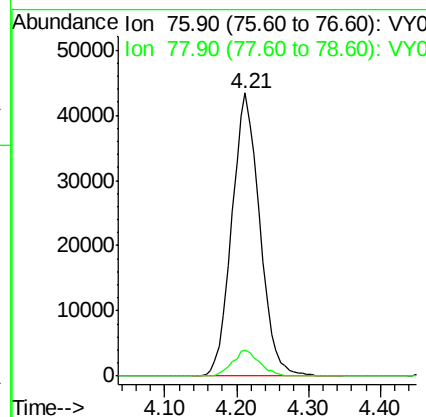
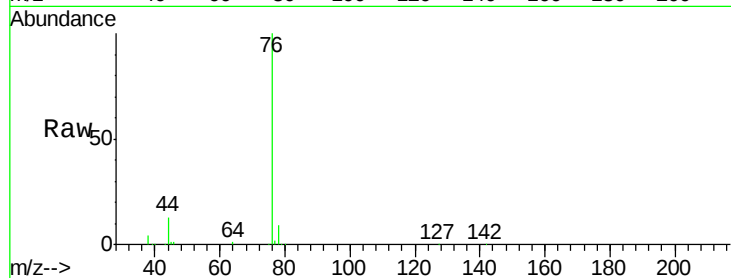
#17
Carbon Disulfide
Concen: 18.272 ug/l
RT: 4.21 min Scan# 406
Delta R.T. -0.01 min
Lab File: VY001610.D
Acq: 12 Feb 2020 13:06

Instrument :
MSVOA_Y
ClientSampleId :
VY0212SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.0	10.6

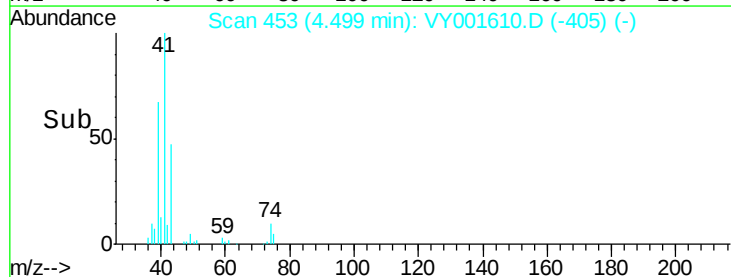
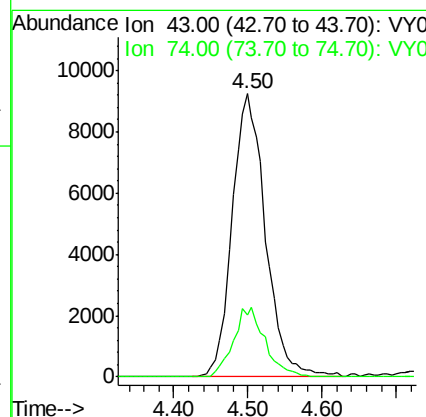
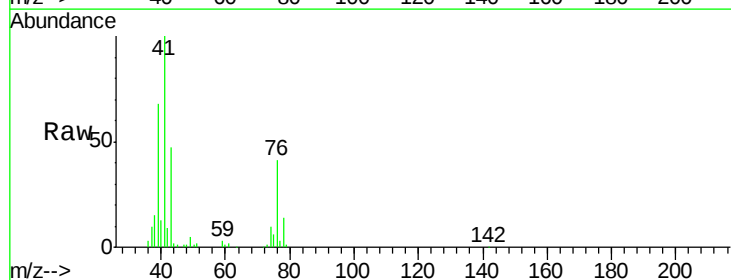
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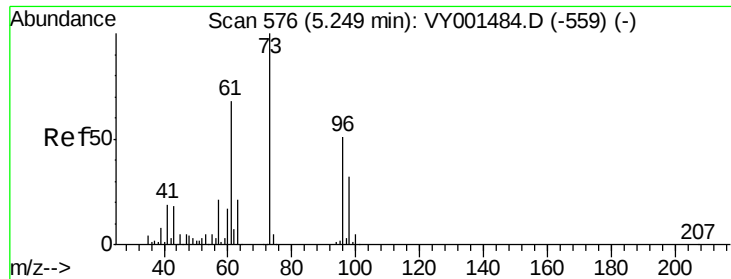
MMDadoda
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#18
Methyl Acetate
Concen: 24.365 ug/l
RT: 4.50 min Scan# 453
Delta R.T. -0.01 min
Lab File: VY001610.D
Acq: 12 Feb 2020 13:06

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.1	21.0	31.6





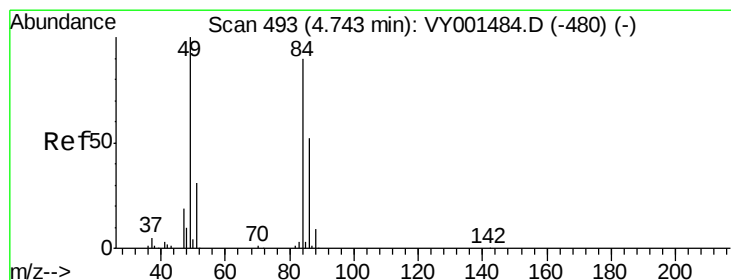
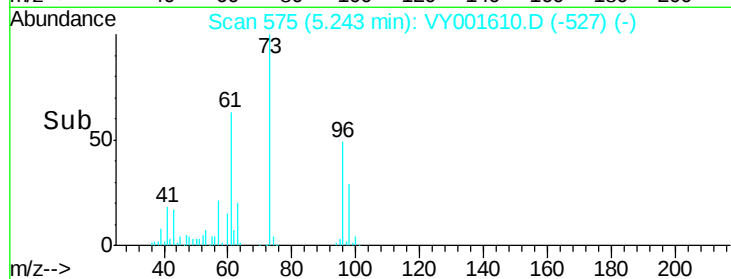
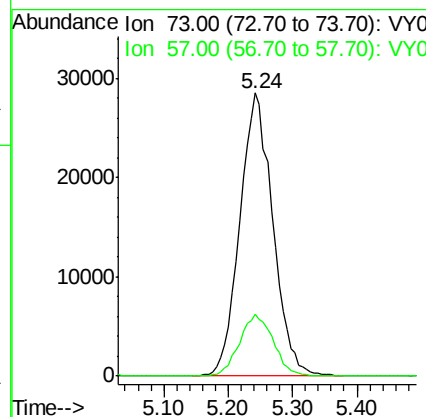
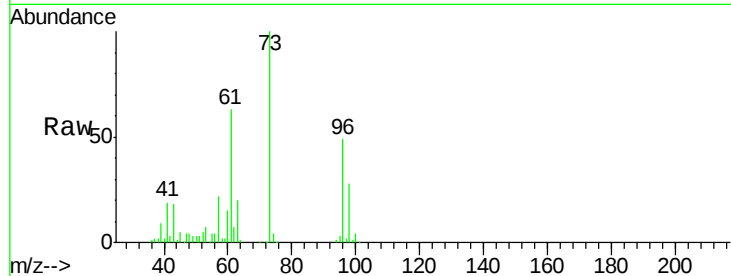
#19
Methvl tert-butvl Ether
Concen: 18.949 ug/l
RT: 5.24 min Scan# 575
Delta R.T. -0.01 min
Lab File: VY001610.D
Acq: 12 Feb 2020 13:06

Instrument :
MSVOA_Y
ClientSampleId :
VY0212SBS01

Tot Ion: 73 Resp: 101223
Ion Ratio Lower Upper
73 100
57 21.7 17.0 25.6

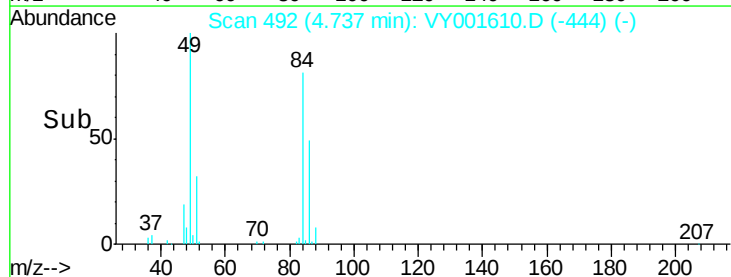
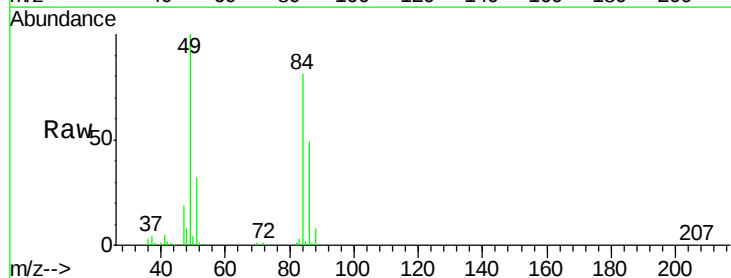
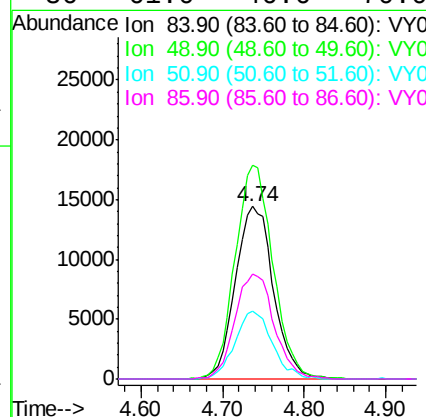
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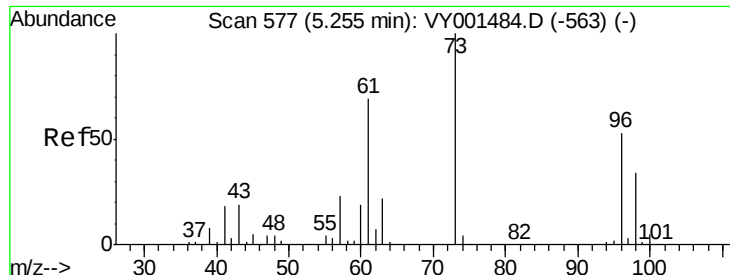
MMDadoda
2/13/2020 12:27:54 PM



#20
Methylene Chloride
Concen: 18.487 ug/l
RT: 4.74 min Scan# 492
Delta R.T. -0.01 min
Lab File: VY001610.D
Acq: 12 Feb 2020 13:06

Tgt Ion: 84 Resp: 46769
Ion Ratio Lower Upper
84 100
49 123.5 89.0 133.6
51 39.6 27.4 41.2
86 61.0 46.6 70.0





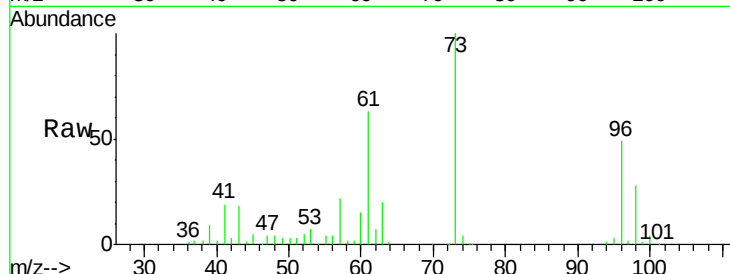
#21
trans-1,2-Dichloroethene
Concen: 18.730 ug/l
RT: 5.24 min Scan# 575
Delta R.T. -0.01 min
Lab File: VY001610.D
Acq: 12 Feb 2020 13:06

Instrument :
MSVOA_Y
ClientSampleId :
VY0212SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	130.0	104.2	156.4
98	58.4	51.4	77.0

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2/13/2020 12:27:54 PM

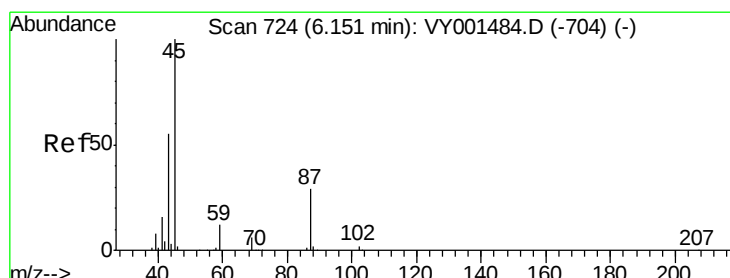
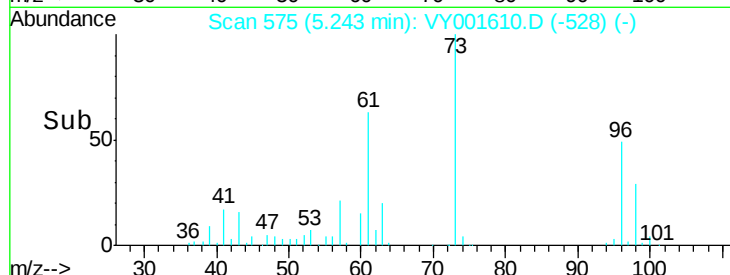
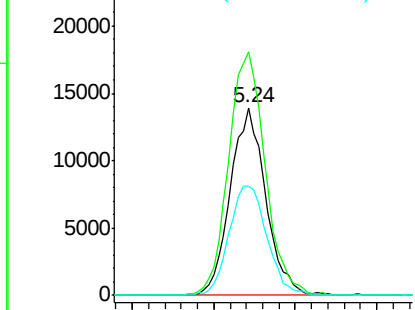


Abundance

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: 21.678 ug/l
RT: 6.14 min Scan# 722
Delta R.T. -0.01 min
Lab File: VY001610.D
Acq: 12 Feb 2020 13:06

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.4	44.2	66.4
87	28.7	23.9	35.9
59	10.0	10.2	15.2#

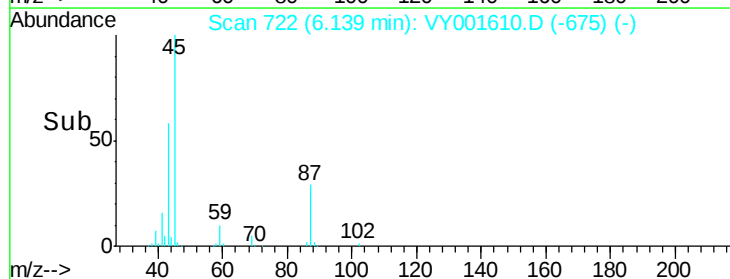
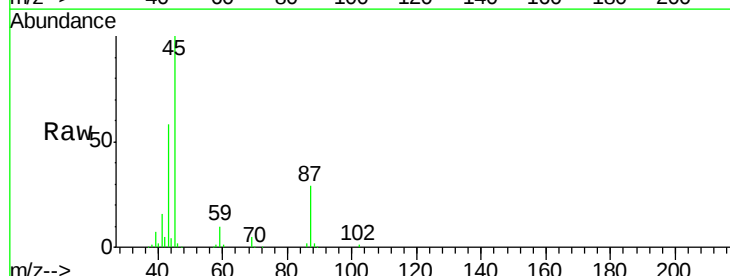
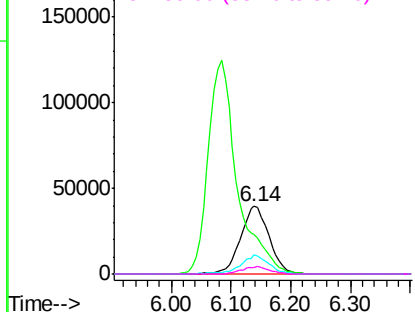
Abundance

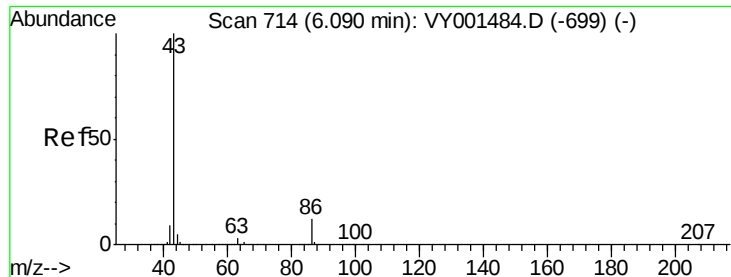
Ion 45.00 (44.70 to 45.70): VY0

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: 108.684 ug/l

RT: 6.08 min Scan# 713

Delta R.T. -0.01 min

Lab File: VY001610.D

Acq: 12 Feb 2020 13:06

Instrument :

MSVOA_Y

ClientSampleId :

VY0212SBS01

Tot Ion: 43 Resp: 421210

Ion Ratio Lower Upper

43 100

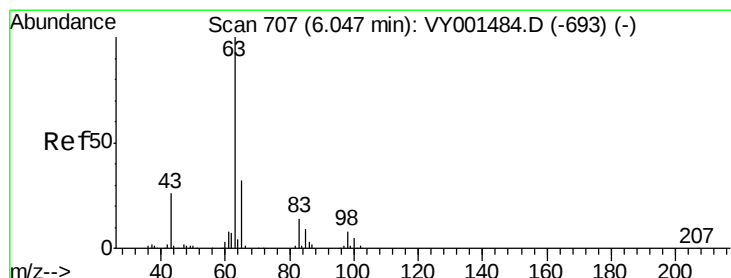
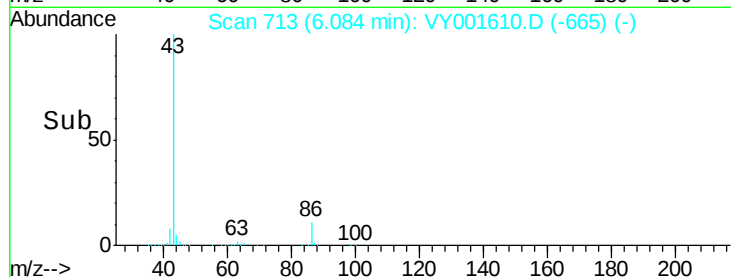
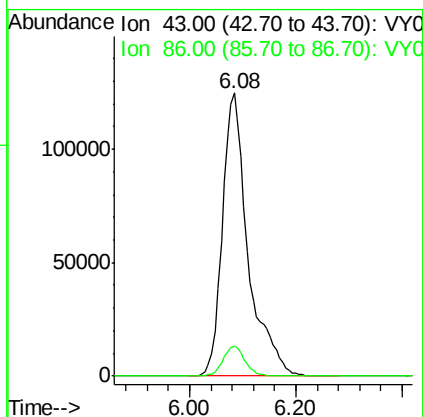
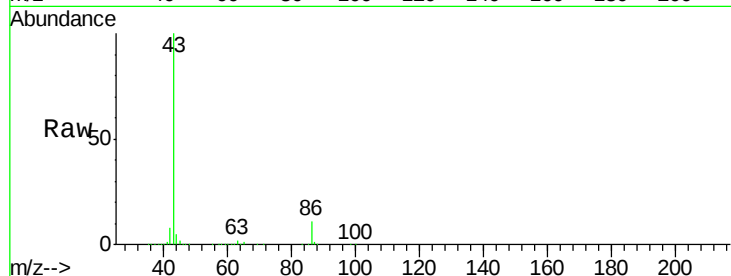
86 10.6 9.8 14.8

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 19.389 ug/l

RT: 6.04 min Scan# 705

Delta R.T. -0.01 min

Lab File: VY001610.D

Acq: 12 Feb 2020 13:06

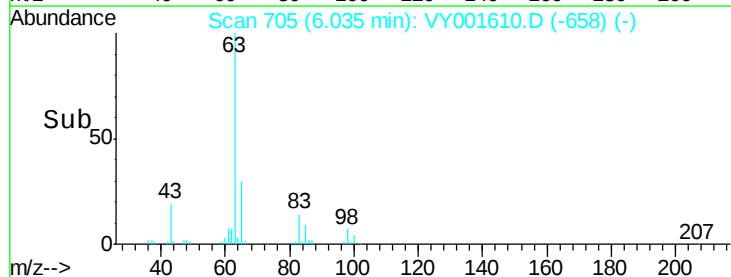
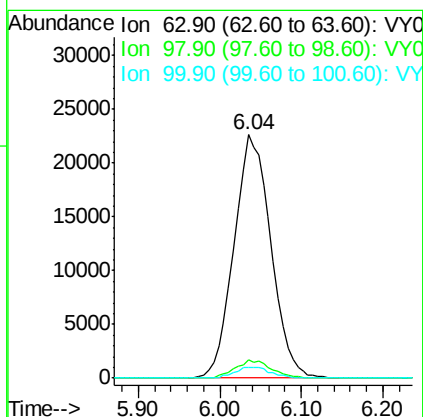
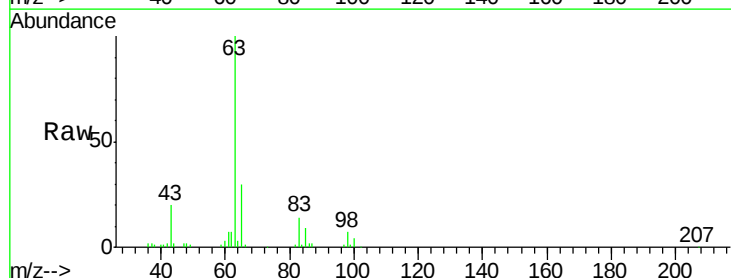
Tgt Ion: 63 Resp: 70999

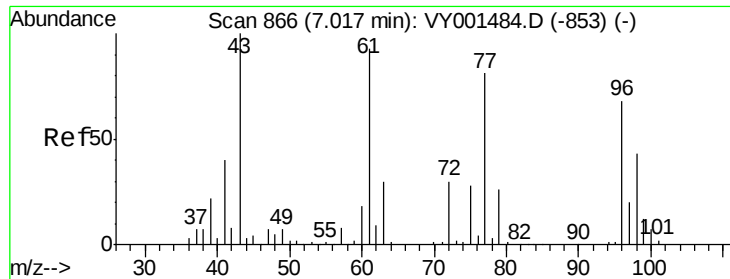
Ion Ratio Lower Upper

63 100

98 7.3 4.0 11.9

100 4.2 2.6 8.0





#25

2-Butanone

Concen: 109.675 ug/l

RT: 7.01 min Scan# 865

Delta R.T. -0.01 min

Lab File: VY001610.D

Acq: 12 Feb 2020 13:06

Instrument :

MSVOA_Y

ClientSampleId :

VY0212SBS01

Tot Ion: 43 Resp: 79173

Ion Ratio Lower Upper

43 100

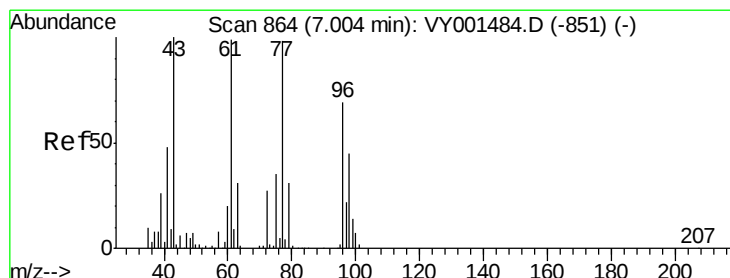
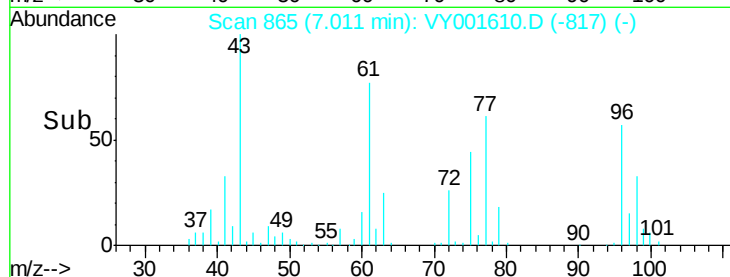
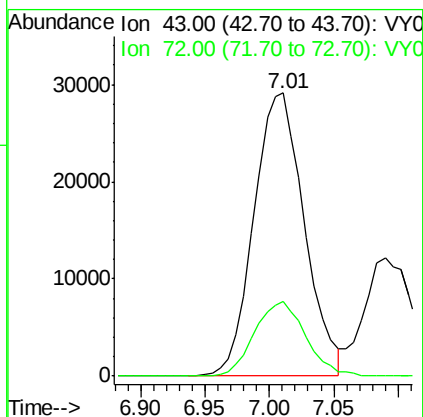
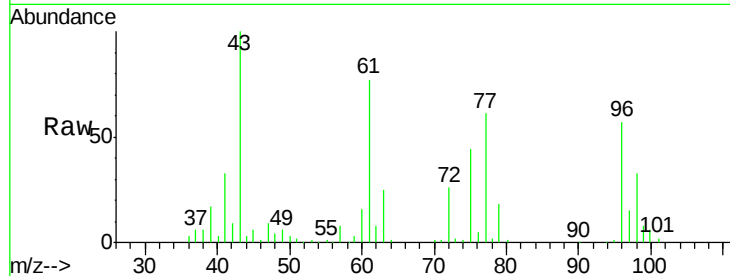
72 26.3 23.8 35.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 17.783 ug/l

RT: 7.00 min Scan# 863

Delta R.T. -0.01 min

Lab File: VY001610.D

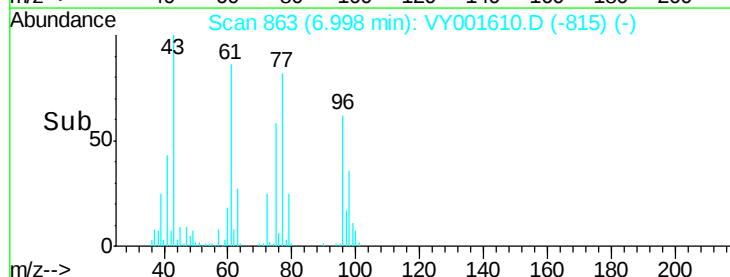
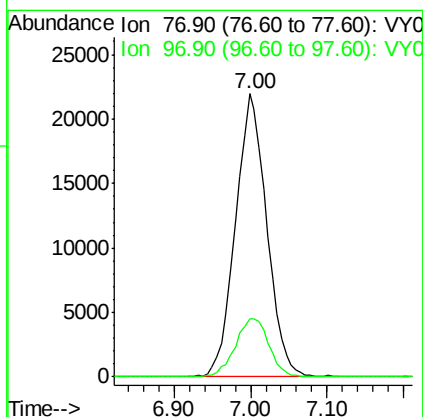
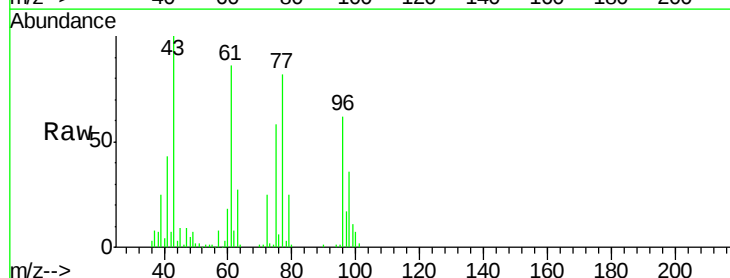
Acq: 12 Feb 2020 13:06

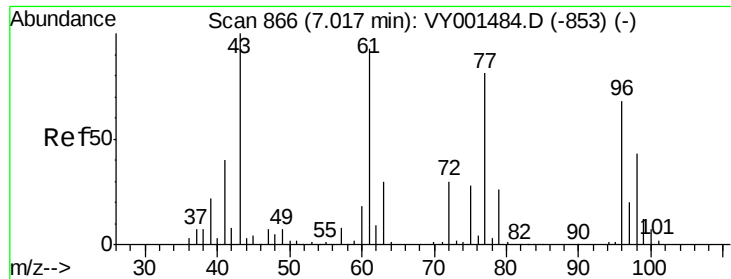
Tgt Ion: 77 Resp: 62324

Ion Ratio Lower Upper

77 100

97 22.1 11.7 35.0





#27

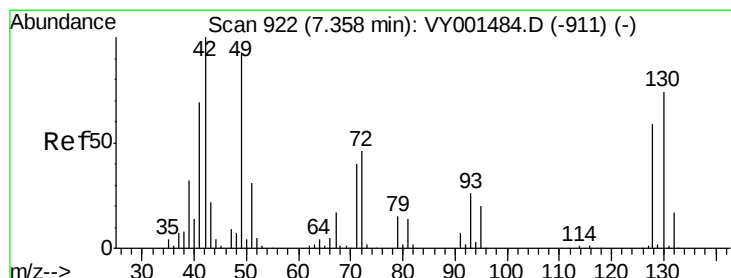
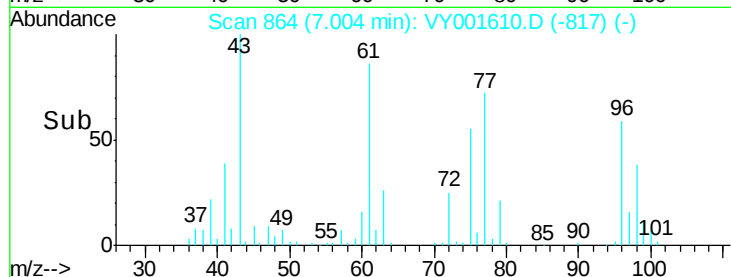
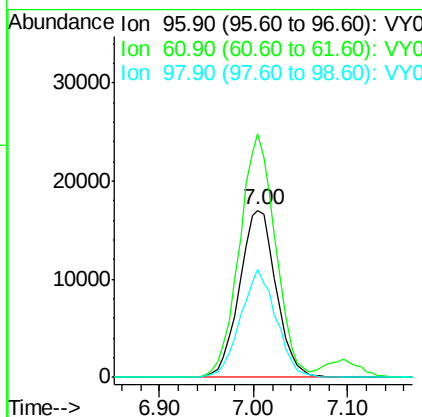
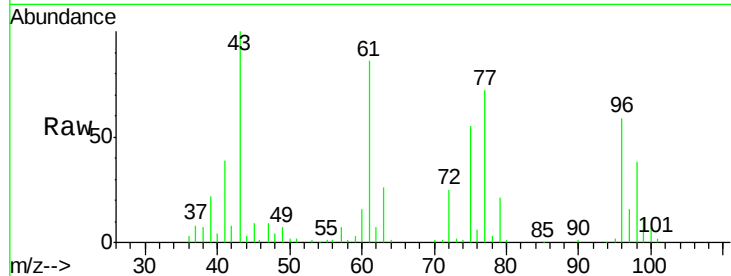
cis-1,2-Dichloroethene
Concen: 19.002 ug/l
RT: 7.00 min Scan# 864
Delta R.T. -0.01 min
Lab File: VY001610.D
Acq: 12 Feb 2020 13:06

Instrument :
MSVOA_Y
ClientSampleId :
VY0212SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	46346		
61	143.2	0.0	278.8	
98	62.6	0.0	128.8	

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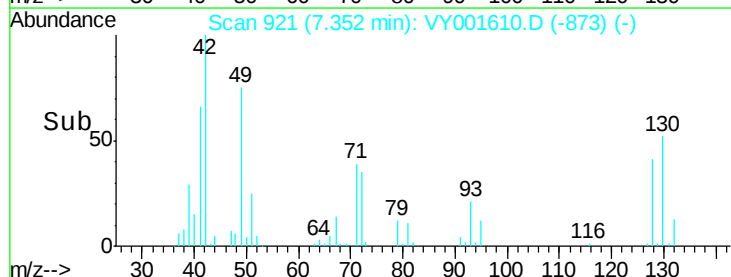
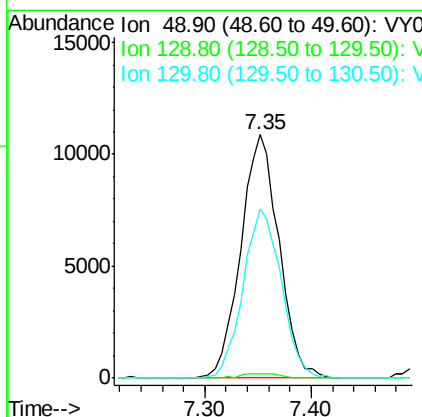
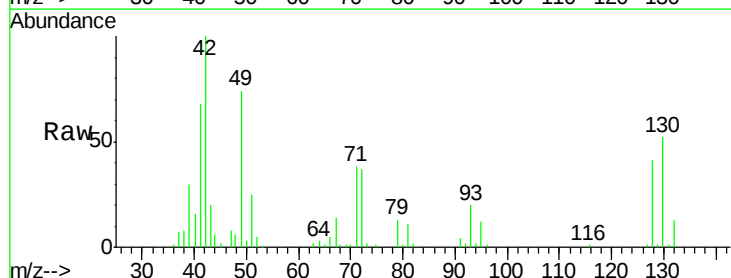
MMDadoda
2/13/2020 12:27:54 PM

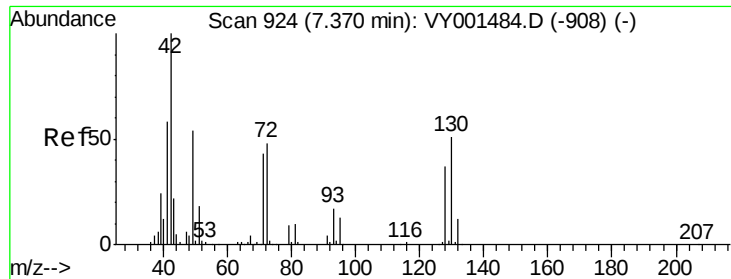


#28

Bromochloromethane
Concen: 21.936 ug/l
RT: 7.35 min Scan# 921
Delta R.T. -0.01 min
Lab File: VY001610.D
Acq: 12 Feb 2020 13:06

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	27364		
129	1.7	0.0	4.8	
130	69.6	65.4	98.2	





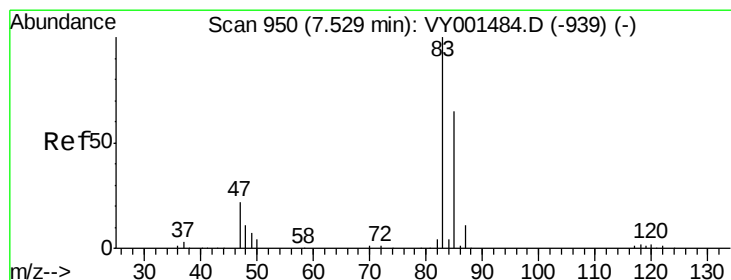
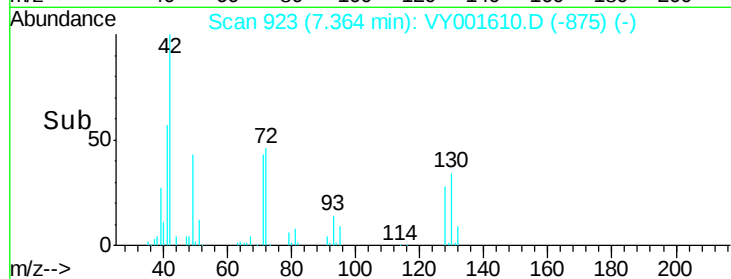
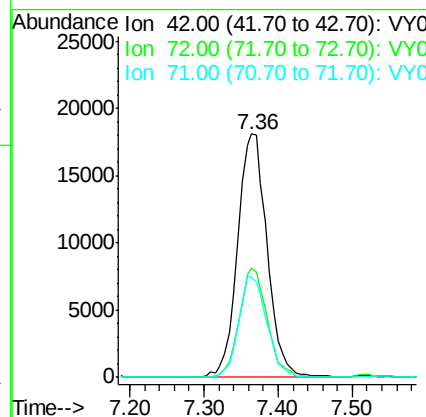
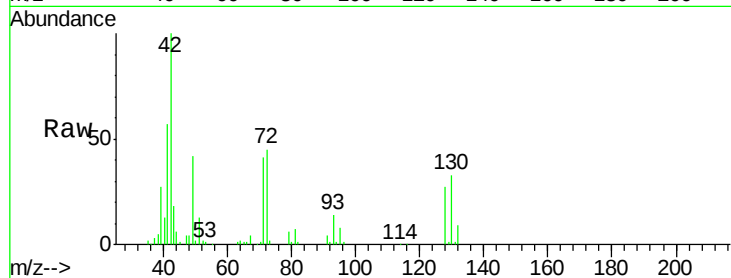
#29
Tetrahydrofuran
Concen: 116.324 ug/l
RT: 7.36 min Scan# 923
Delta R.T. -0.01 min
Lab File: VY001610.D
Acq: 12 Feb 2020 13:06

Instrument :
MSVOA_Y
ClientSampleId :
VY0212SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.3	37.8	56.6
71	39.9	34.8	52.2

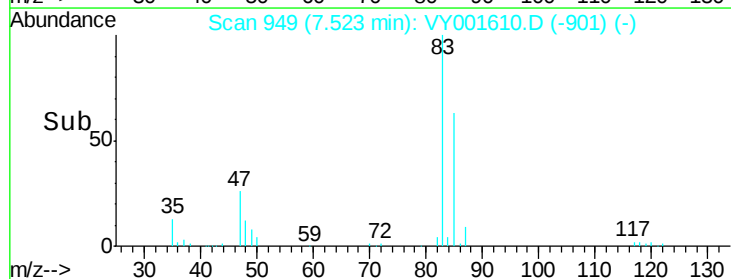
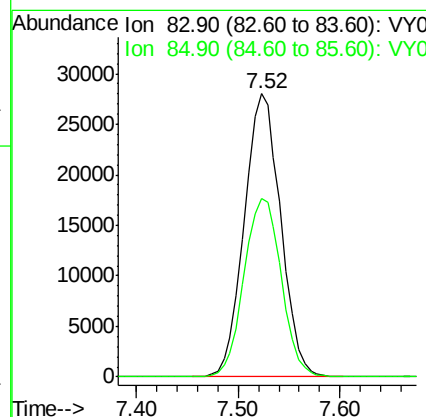
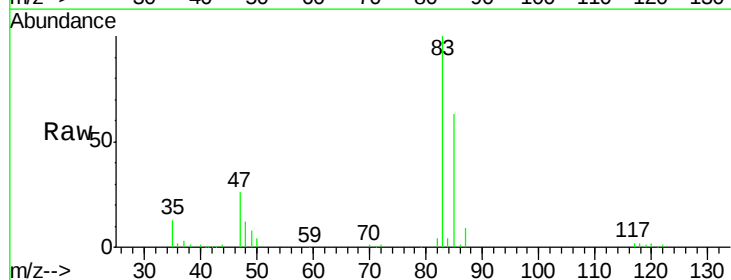
Manual Integrations
APPROVED

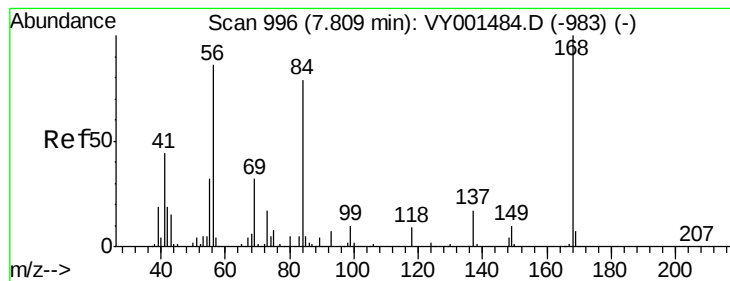
MMDadoda
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#30
Chloroform
Concen: 18.730 ug/l
RT: 7.52 min Scan# 949
Delta R.T. -0.01 min
Lab File: VY001610.D
Acq: 12 Feb 2020 13:06

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.0	52.4	78.6





#31

Cyclohexane

Concen: 20.157 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY001610.D

Acq: 12 Feb 2020 13:06

Instrument :

MSVOA_Y

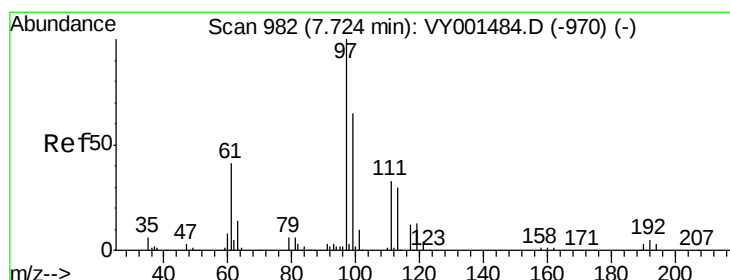
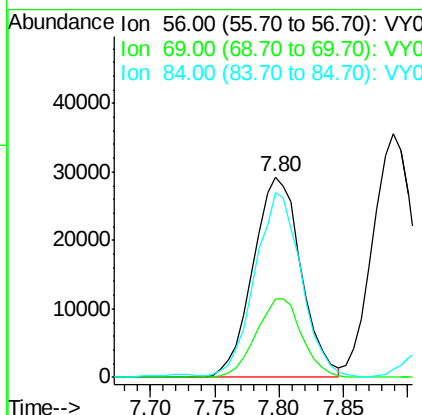
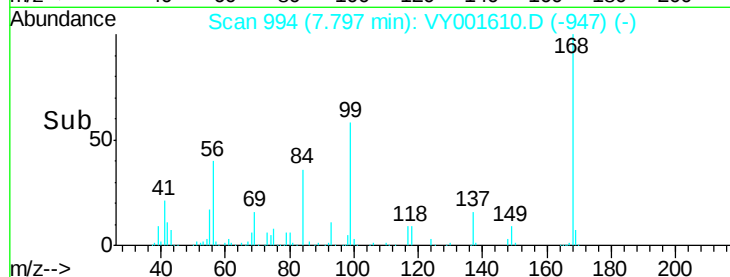
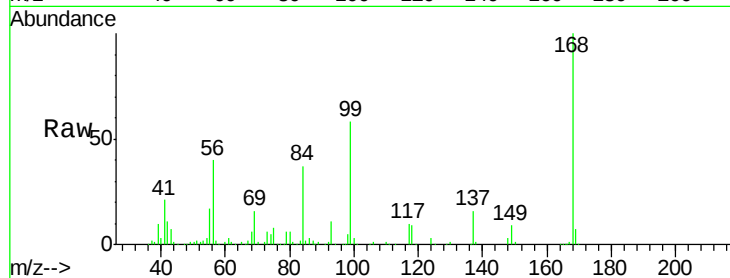
ClientSampleId :

VY0212SBS01

Tot Ion:	56	Resp:	75503
Ion Ratio	Lower	Upper	
56	100		
69	38.8	29.6	44.4
84	91.0	73.6	110.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 17.647 ug/l

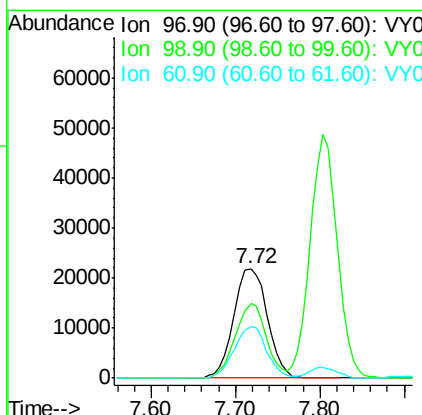
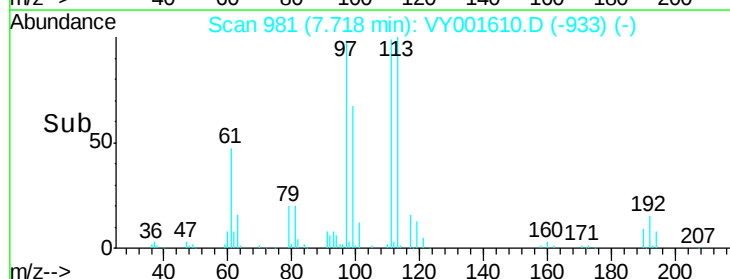
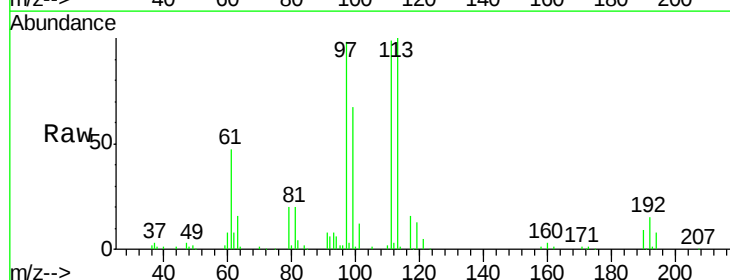
RT: 7.72 min Scan# 981

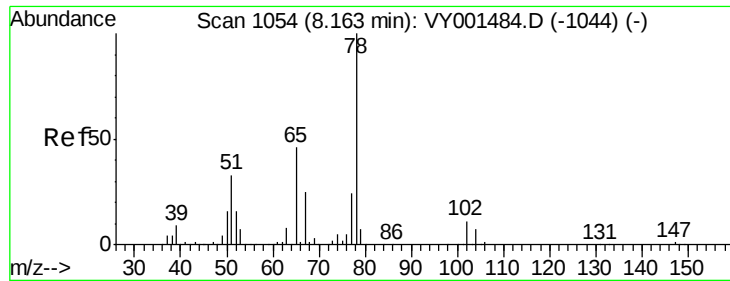
Delta R.T. -0.01 min

Lab File: VY001610.D

Acq: 12 Feb 2020 13:06

Tgt Ion:	97	Resp:	59345
Ion Ratio	Lower	Upper	
97	100		
99	63.3	51.8	77.8
61	45.0	32.5	48.7





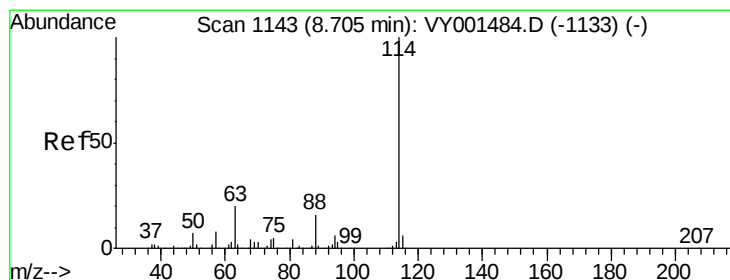
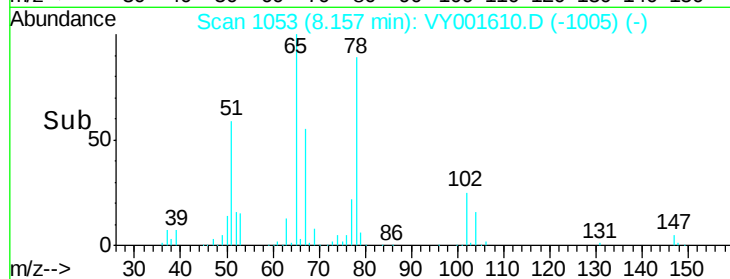
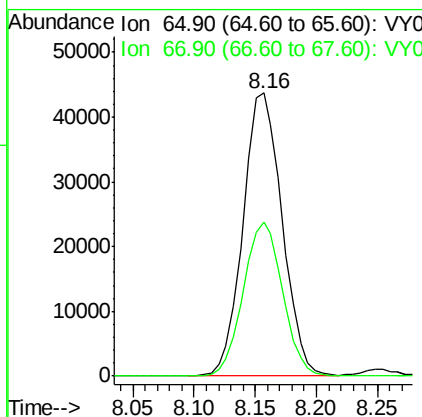
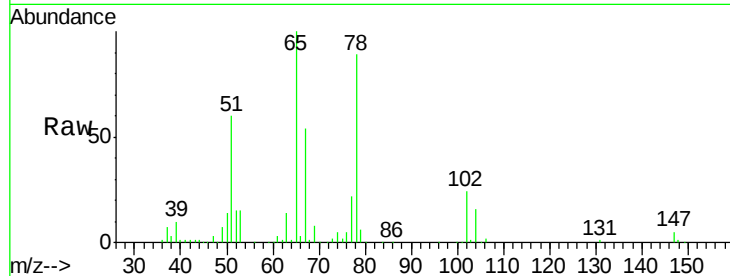
#33
 1,2-Dichloroethane-d4
 Concen: 50.655 ug/l
 RT: 8.16 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: VY001610.D
 Acq: 12 Feb 2020 13:06

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0212SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	97442		
67	54.6	0.0	108.6	

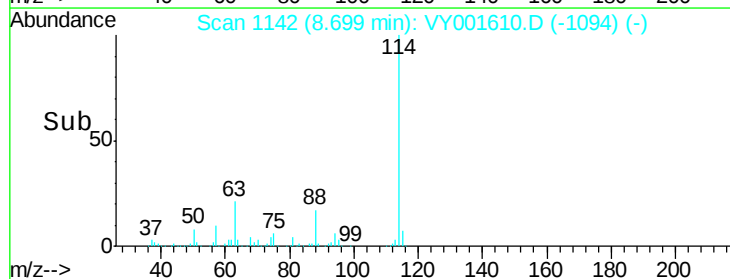
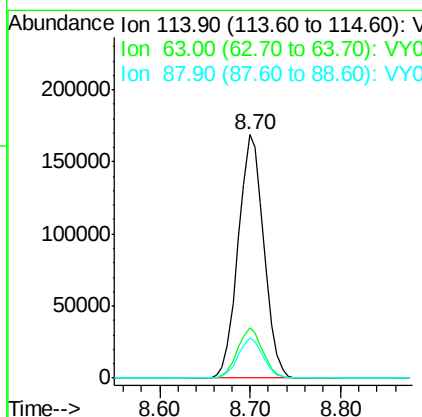
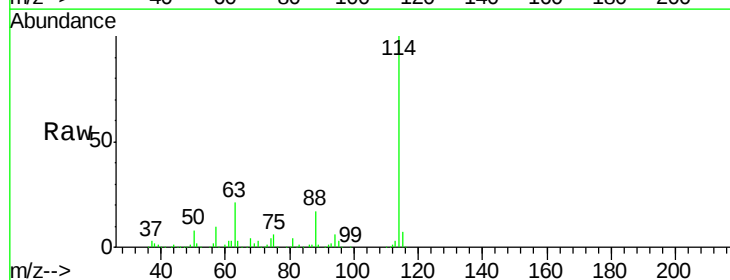
Manual Integrations
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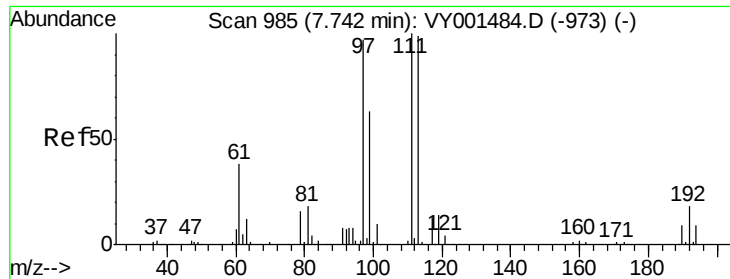
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: VY001610.D
 Acq: 12 Feb 2020 13:06

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	328821		
63	20.7	0.0	39.8	
88	16.5	0.0	32.6	





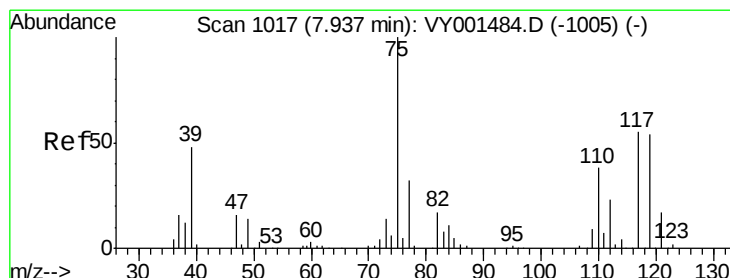
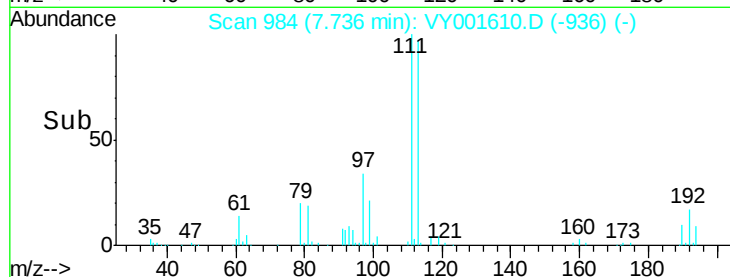
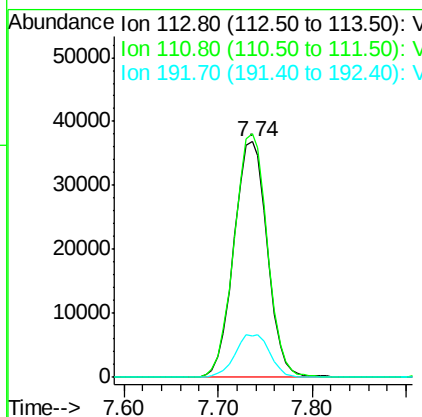
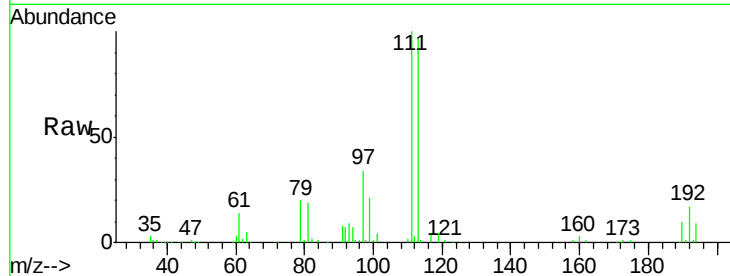
#35
Dibromofluoromethane
Concen: 48.145 ug/l
RT: 7.74 min Scan# 984
Delta R.T. -0.01 min
Lab File: VY001610.D
Acq: 12 Feb 2020 13:06

Instrument :
MSVOA_Y
ClientSampleId :
VY0212SBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.9	124.3
192	18.8	14.6	22.0

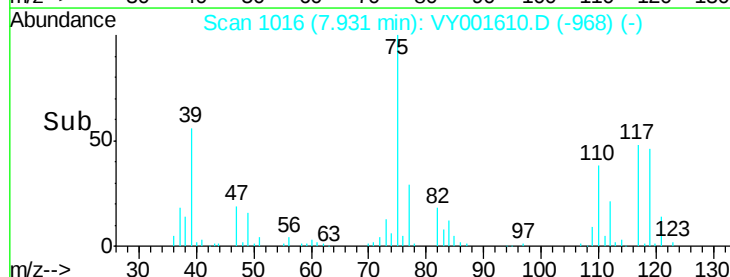
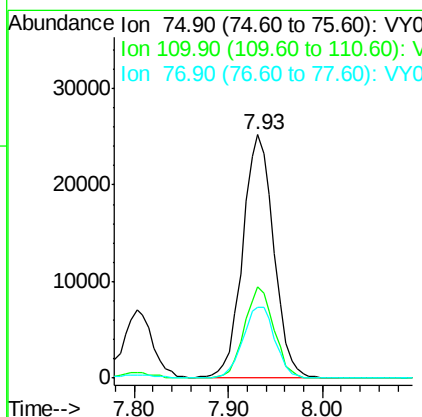
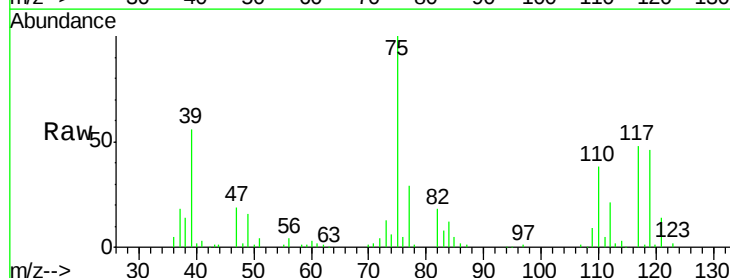
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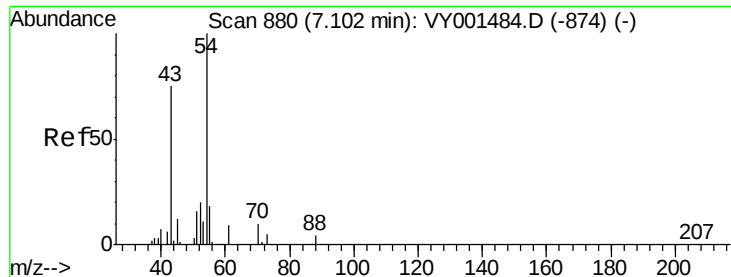
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#36
1,1-Dichloropropene
Concen: 19.400 ug/l
RT: 7.93 min Scan# 1016
Delta R.T. -0.01 min
Lab File: VY001610.D
Acq: 12 Feb 2020 13:06

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.6	18.2	54.6
77	30.3	25.0	37.4





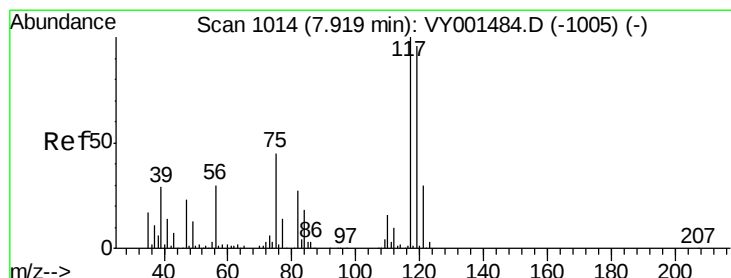
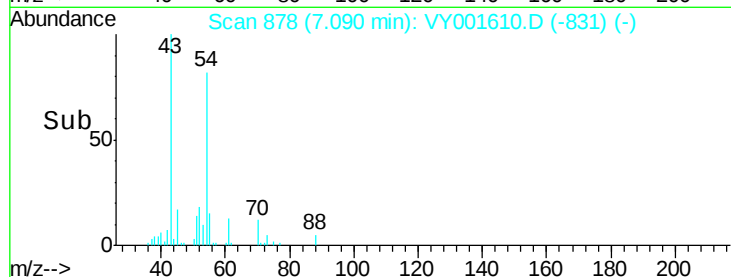
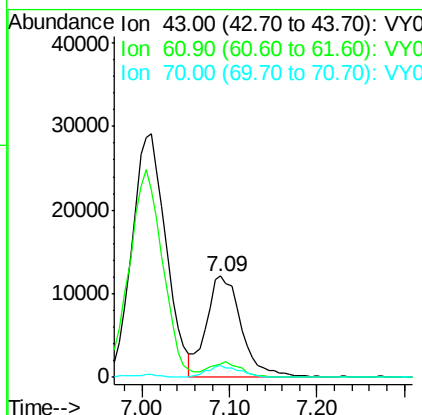
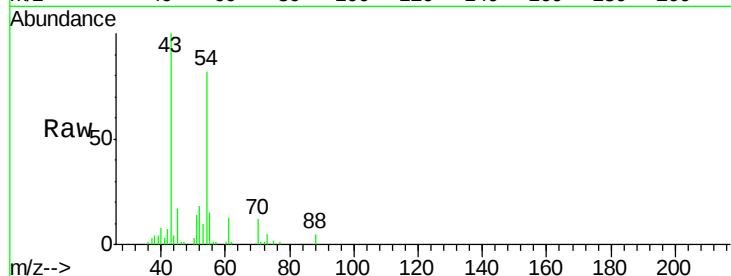
#37
Ethyl Acetate
Concen: 23.051 ug/l
RT: 7.09 min Scan# 878
Delta R.T. -0.01 min
Lab File: VY001610.D
Acq: 12 Feb 2020 13:06

Instrument :
MSVOA_Y
ClientSampleId :
VY0212SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	12.0	18.0
70	10.8	10.2	15.4

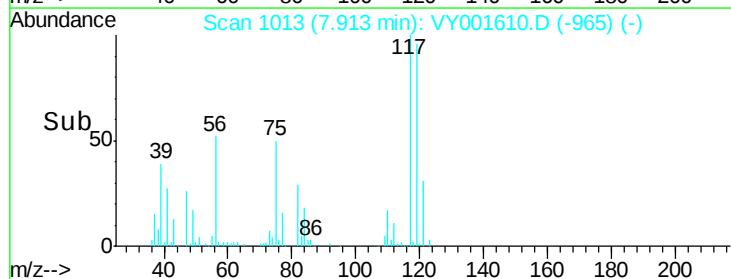
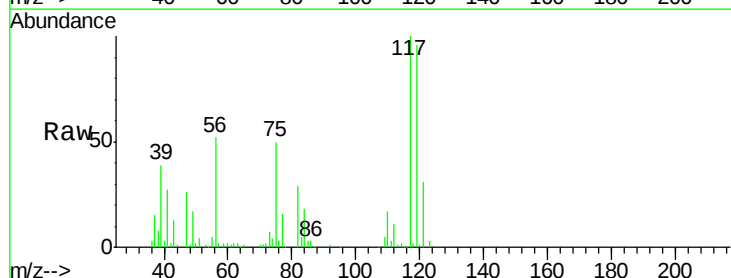
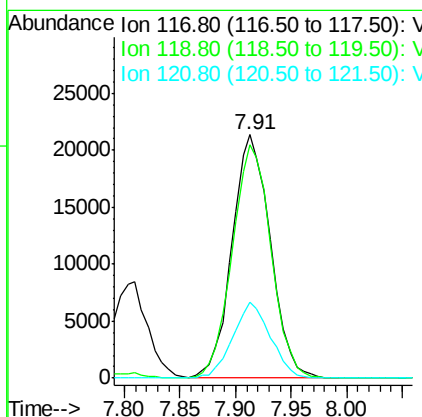
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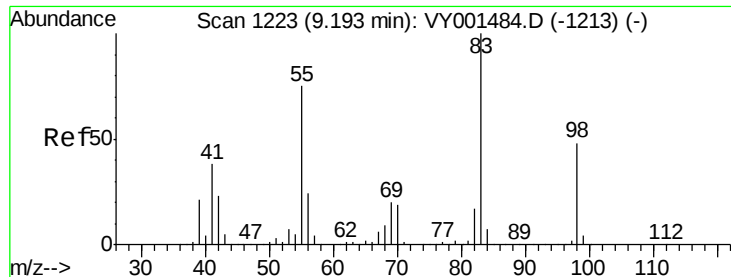
MMDadoda
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#38
Carbon Tetrachloride
Concen: 17.519 ug/l
RT: 7.91 min Scan# 1013
Delta R.T. -0.01 min
Lab File: VY001610.D
Acq: 12 Feb 2020 13:06

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.6	76.4	114.6
121	31.3	24.2	36.4





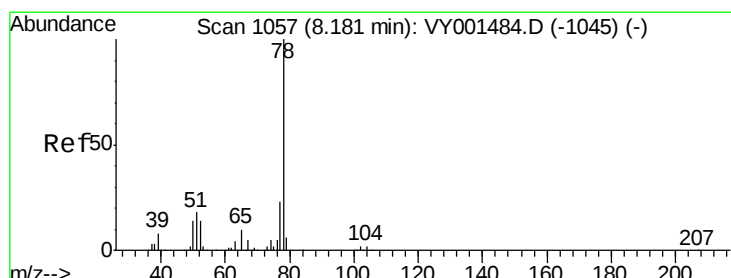
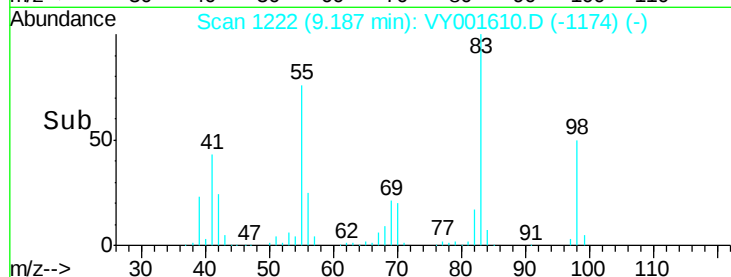
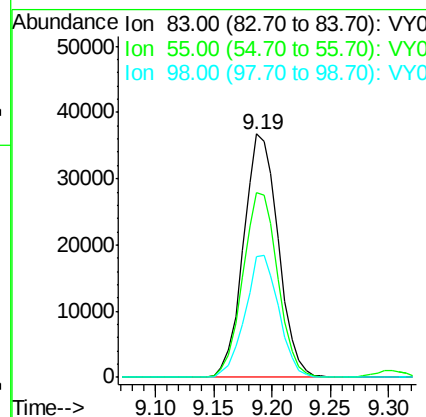
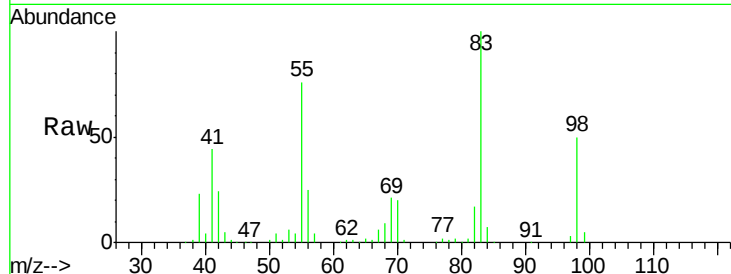
#39
Methvlcvclohexane
Concen: 19.305 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.01 min
Lab File: VY001610.D
Acq: 12 Feb 2020 13:06

Instrument :
MSVOA_Y
ClientSampleId :
VY0212SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.8	59.8	89.6
98	49.7	38.6	57.8

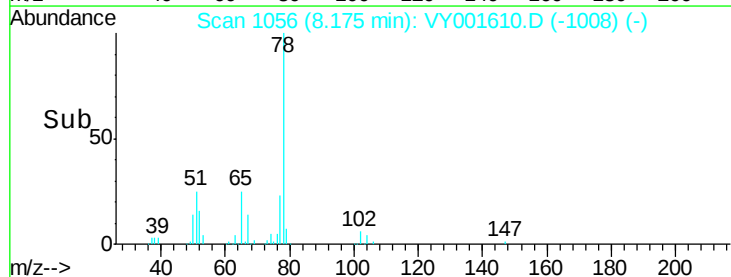
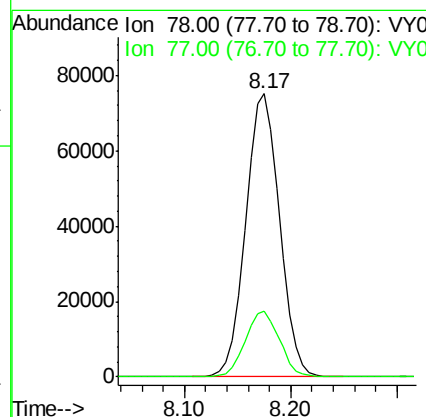
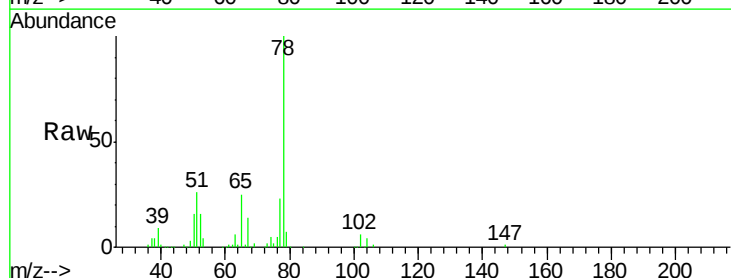
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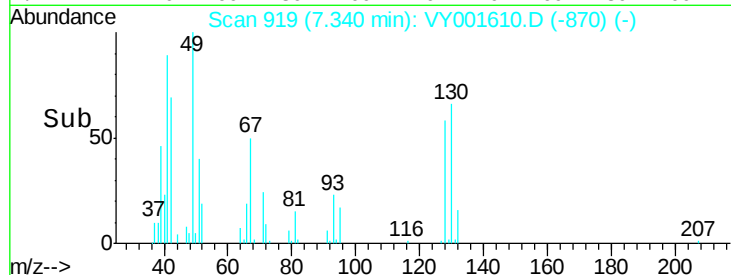
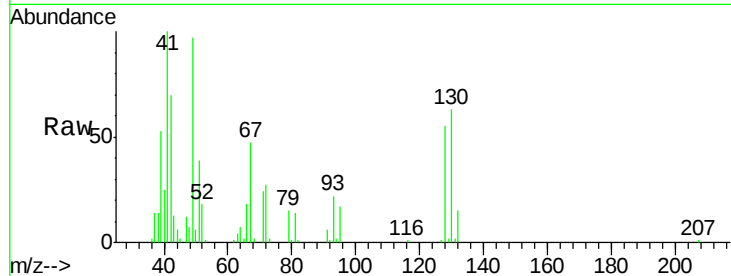
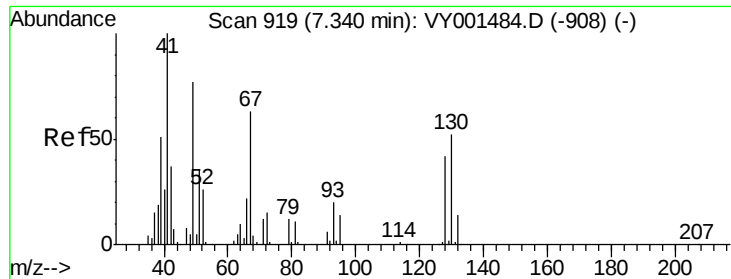
MMDadoda
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#40
Benzene
Concen: 19.564 ug/l
RT: 8.17 min Scan# 1056
Delta R.T. -0.01 min
Lab File: VY001610.D
Acq: 12 Feb 2020 13:06

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.5	27.7





#41

Methacrylonitrile

Concen: 26.436 ug/l m

RT: 7.34 min Scan# 919

Delta R.T. 0.00 min

Lab File: VY001610.D

Acq: 12 Feb 2020 13:06

Tot Ion:	41	Resp:	17842
Ion Ratio	Lower	Upper	
41	100		
39	0.0	116.8	175.2#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

Instrument :

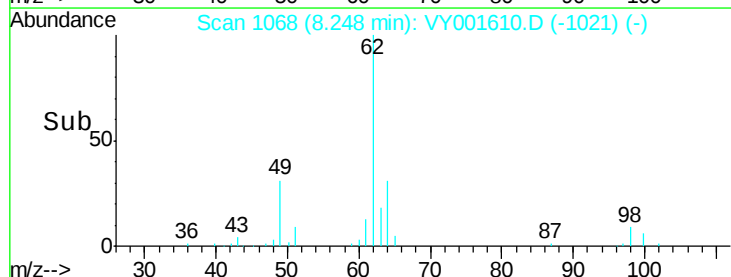
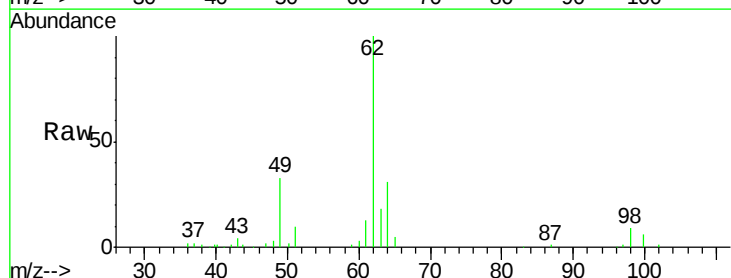
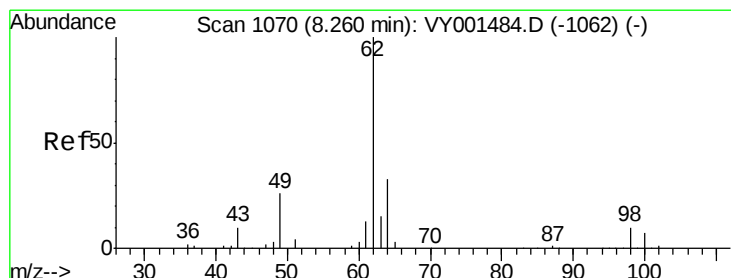
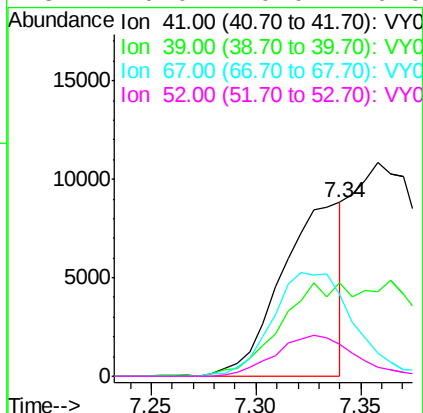
MSVOA_Y

ClientSampleId :

VY0212SBS01

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#42

1,2-Dichloroethane

Concen: 19.339 ug/l

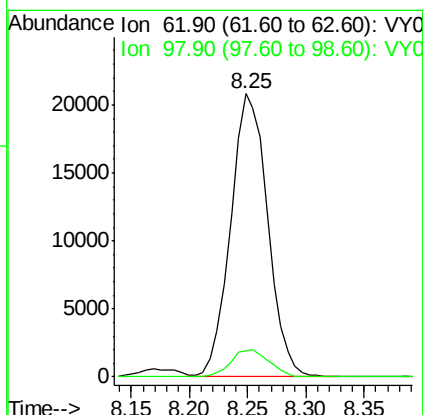
RT: 8.25 min Scan# 1068

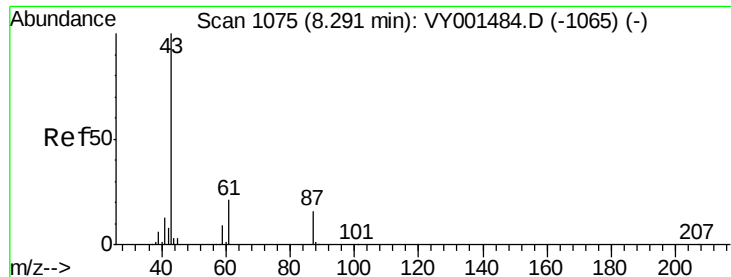
Delta R.T. -0.01 min

Lab File: VY001610.D

Acq: 12 Feb 2020 13:06

Tgt Ion:	62	Resp:	46227
Ion Ratio	Lower	Upper	
62	100		
98	9.9	0.0	21.0





#43

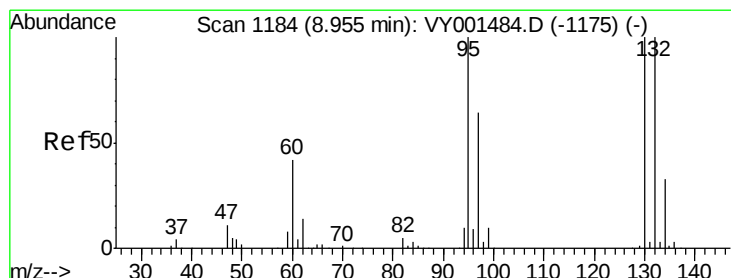
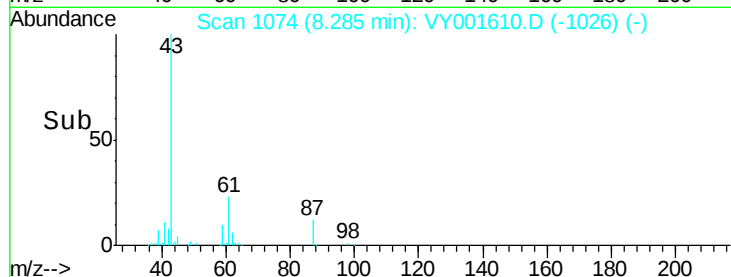
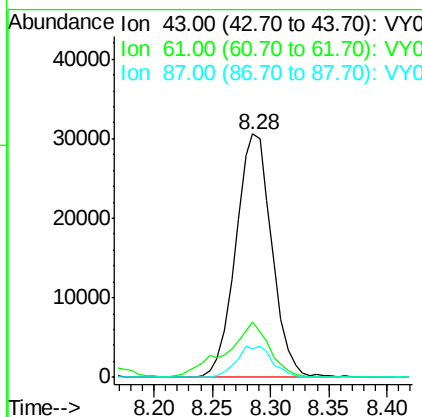
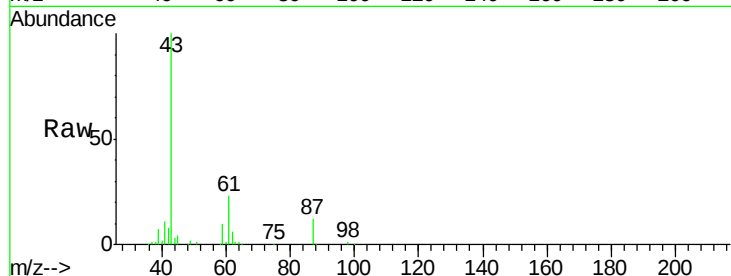
Isopropyl Acetate
 Concen: 22.851 ug/l
 RT: 8.28 min Scan# 1074
 Delta R.T. -0.01 min
 Lab File: VY001610.D
 Acq: 12 Feb 2020 13:06

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0212SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.6	25.1	37.7
87	12.9	12.6	19.0

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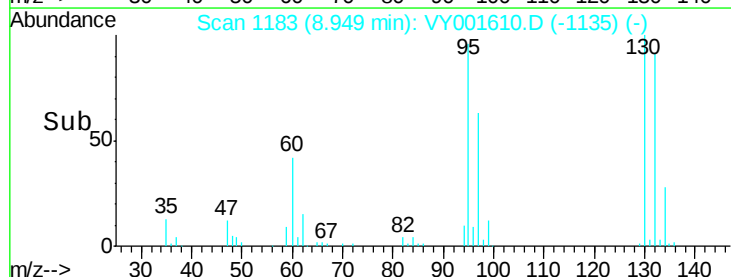
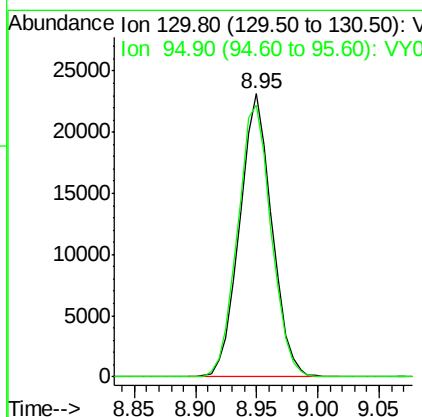
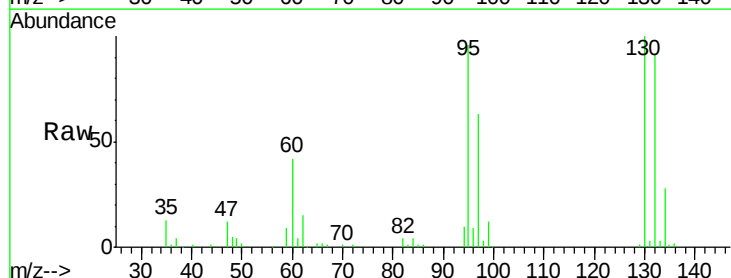
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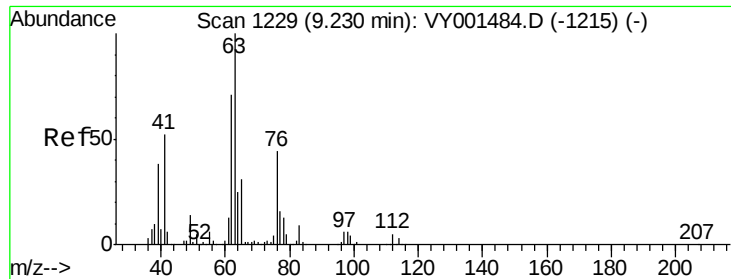


#44

Trichloroethene
 Concen: 18.307 ug/l
 RT: 8.95 min Scan# 1183
 Delta R.T. -0.01 min
 Lab File: VY001610.D
 Acq: 12 Feb 2020 13:06

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.2	0.0	199.2





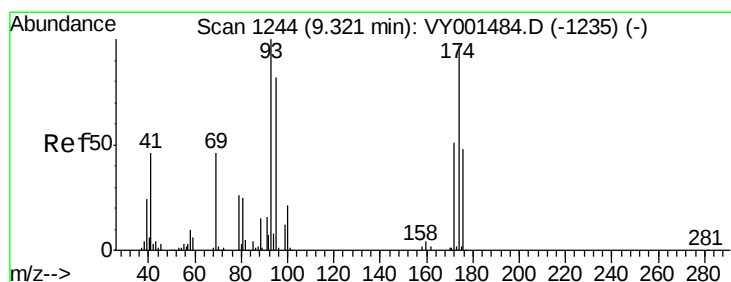
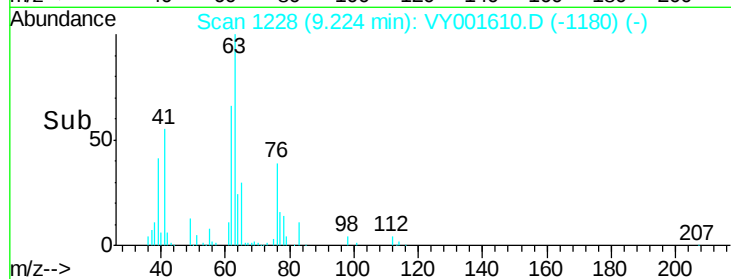
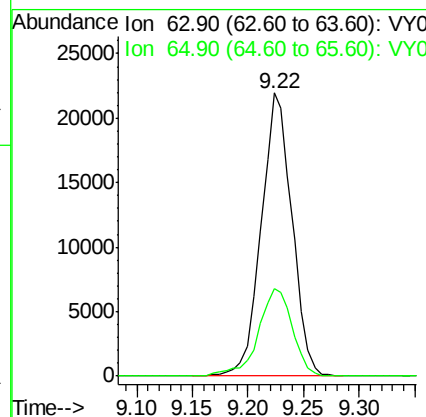
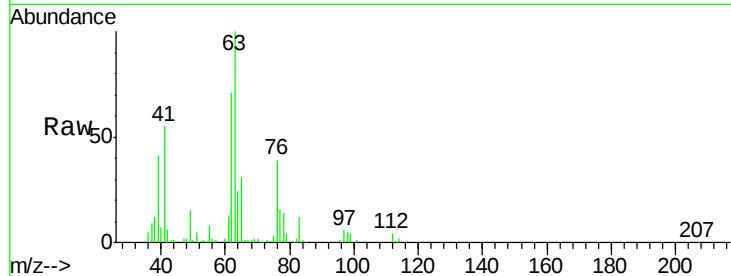
#45
 1,2-Dichloropropane
 Concen: 20.378 ug/l
 RT: 9.22 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: VY001610.D
 Acq: 12 Feb 2020 13:06

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0212SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.1	25.0	37.4

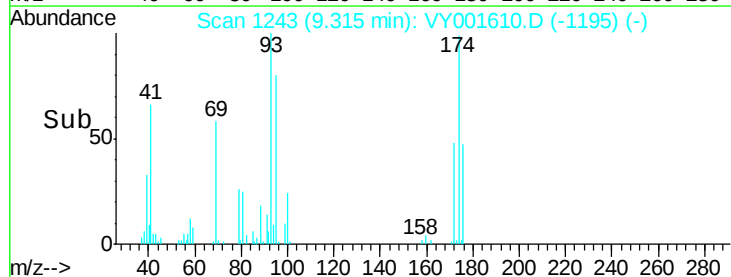
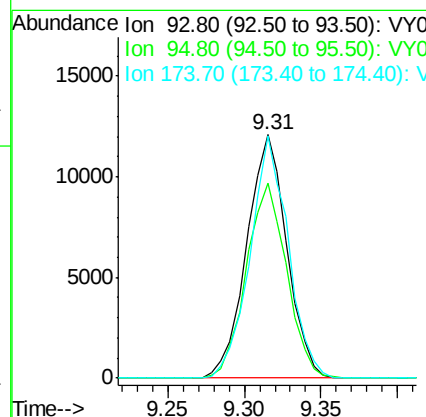
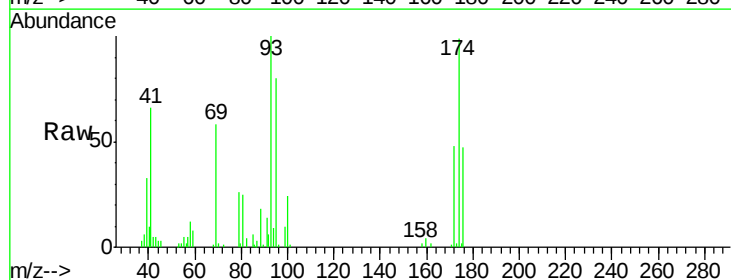
Manual Integrations
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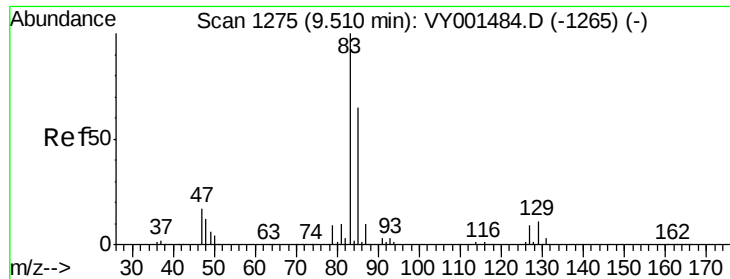
MMDadoda
 2/13/2020 12:27:54 PM



#46
 Dibromomethane
 Concen: 18.852 ug/l
 RT: 9.31 min Scan# 1243
 Delta R.T. -0.01 min
 Lab File: VY001610.D
 Acq: 12 Feb 2020 13:06

Tgt Ion	Ratio	Lower	Upper
93	100		
95	80.6	66.6	99.8
174	94.7	75.4	113.2





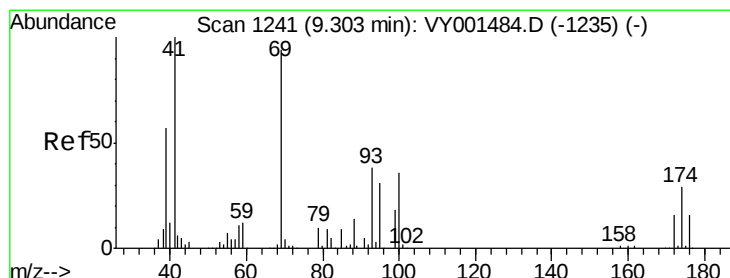
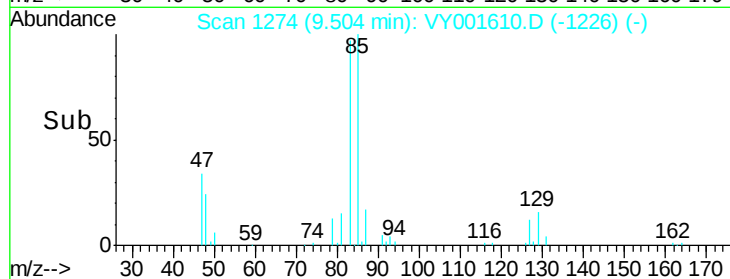
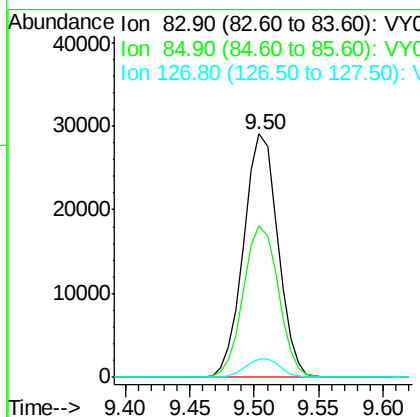
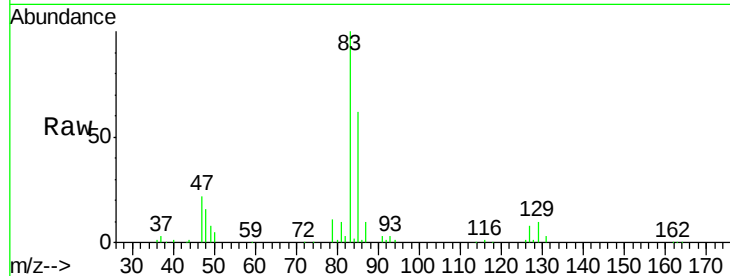
#47
Bromodichloromethane
Concen: 18.929 ug/l
RT: 9.50 min Scan# 1274
Delta R.T. -0.01 min
Lab File: VY001610.D
Acq: 12 Feb 2020 13:06

Instrument :
MSVOA_Y
ClientSampleId :
VY0212SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	62.3	51.9	77.9	
127	7.7	6.9	10.3	

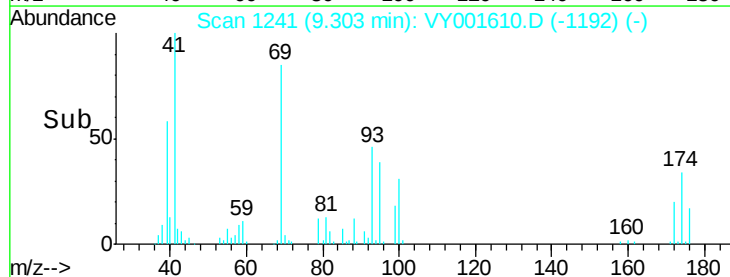
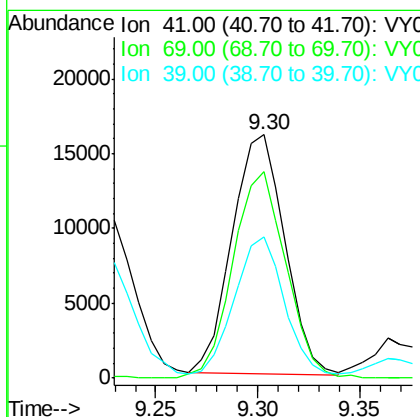
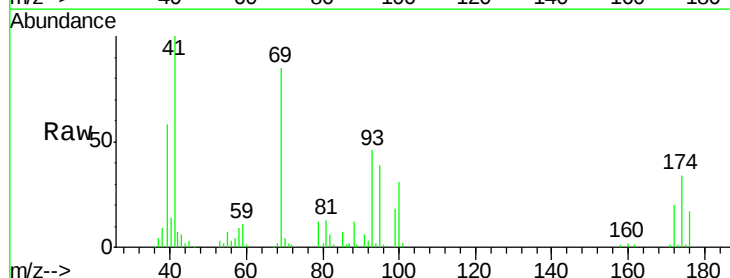
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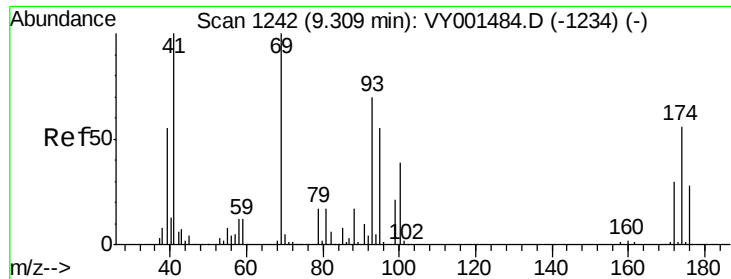
MMDadoda
2/13/2020 12:27:54 PM



#48
Methyl methacrylate
Concen: 22.018 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. 0.00 min
Lab File: VY001610.D
Acq: 12 Feb 2020 13:06

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	86.2	76.6	114.8	
39	57.0	45.4	68.0	





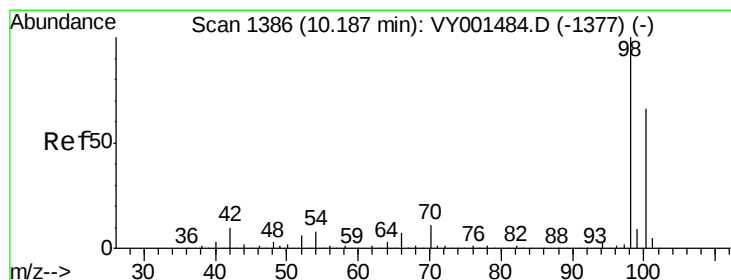
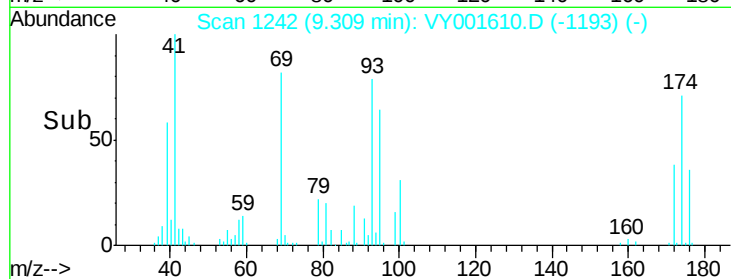
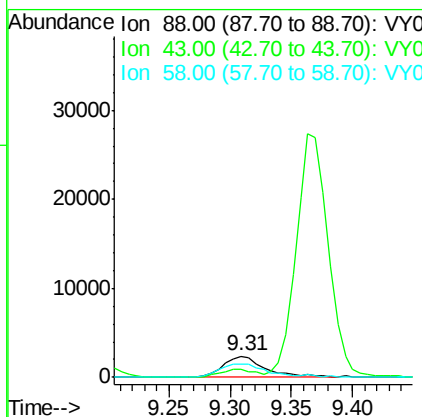
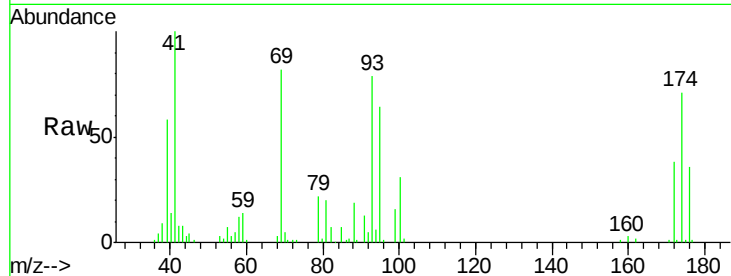
#49
1,4-Dioxane
Concen: 370.593 ug/l
RT: 9.31 min Scan# 1242
Delta R.T. 0.00 min
Lab File: VY001610.D
Acq: 12 Feb 2020 13:06

Instrument :
MSVOA_Y
ClientSampleId :
VY0212SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.7	24.8	37.2
58	67.4	59.3	88.9

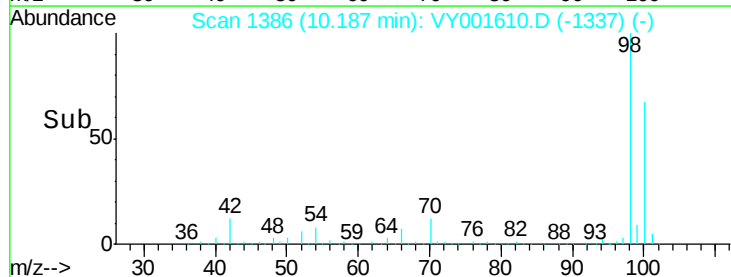
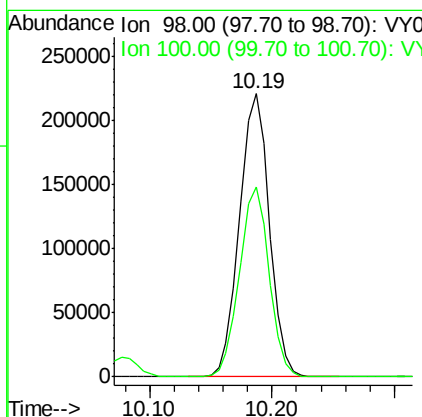
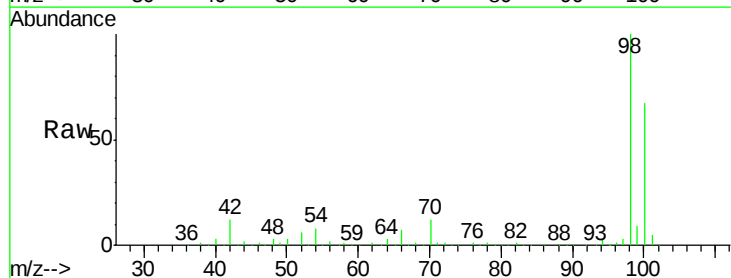
Manual Integrations
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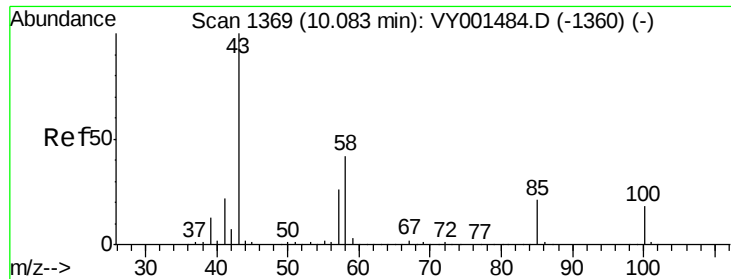
MMDadoda
2/13/2020 12:27:54 PM



#50
Toluene-d8
Concen: 52.116 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. 0.00 min
Lab File: VY001610.D
Acq: 12 Feb 2020 13:06

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.6	53.0	79.6





#51

4-Methyl-2-Pentanone

Concen: 117.808 ug/l

RT: 10.08 min Scan# 1368

Delta R.T. -0.01 min

Lab File: VY001610.D

Acq: 12 Feb 2020 13:06

Instrument :

MSVOA_Y

ClientSampleId :

VY0212SBS01

Tot Ion: 43 Resp: 167275

Ion Ratio Lower Upper

43 100

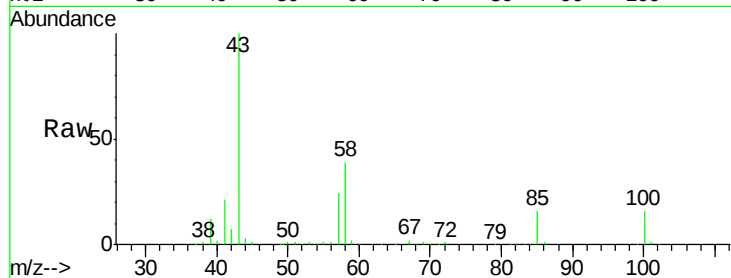
58 39.3 33.9 50.9

Manual Integrations

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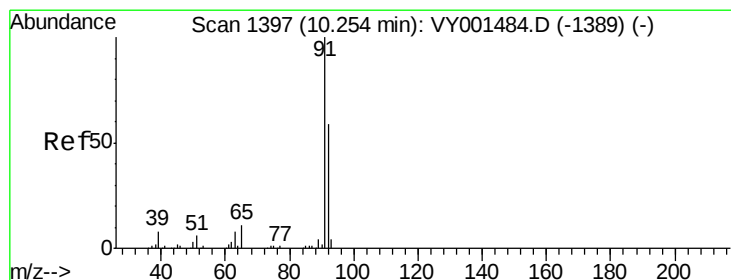
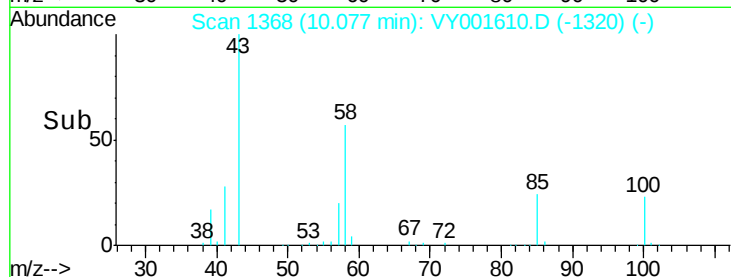
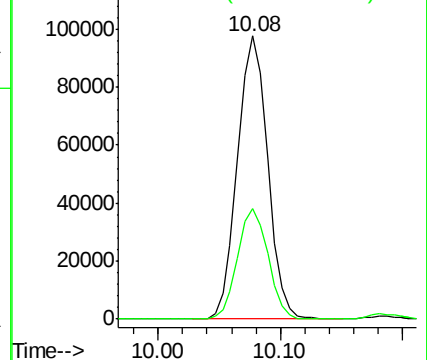
MMDadoda

2/13/2020 12:27:54 PM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#52

Toluene

Concen: 19.240 ug/l

RT: 10.25 min Scan# 1396

Delta R.T. -0.01 min

Lab File: VY001610.D

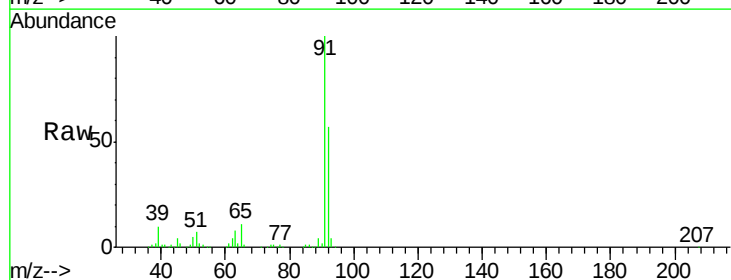
Acq: 12 Feb 2020 13:06

Tgt Ion: 92 Resp: 104746

Ion Ratio Lower Upper

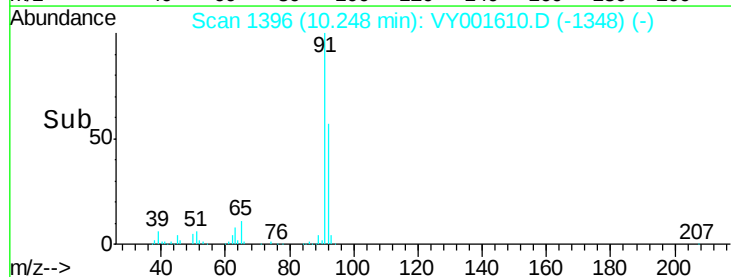
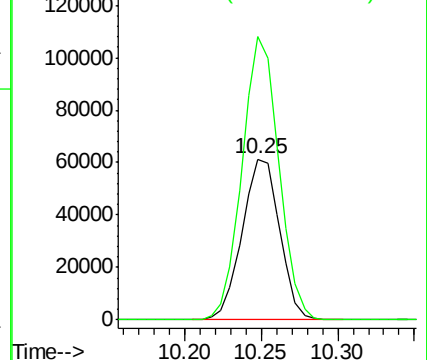
92 100

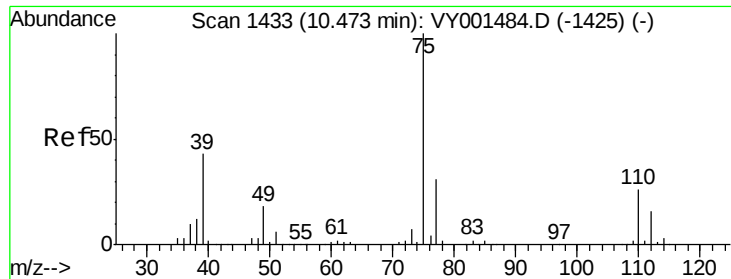
91 171.8 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VY0

Ion 91.00 (90.70 to 91.70): VY0





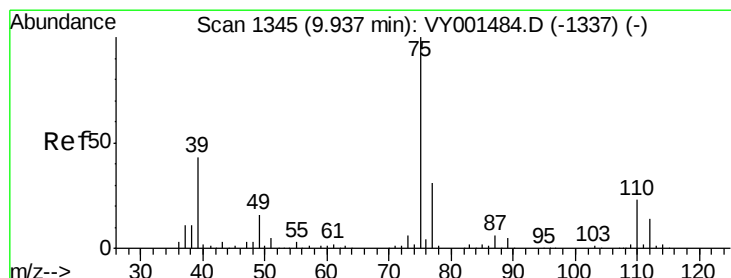
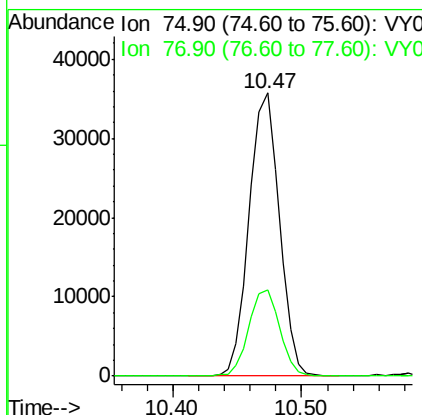
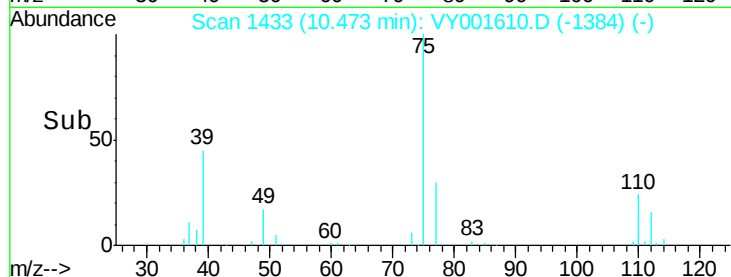
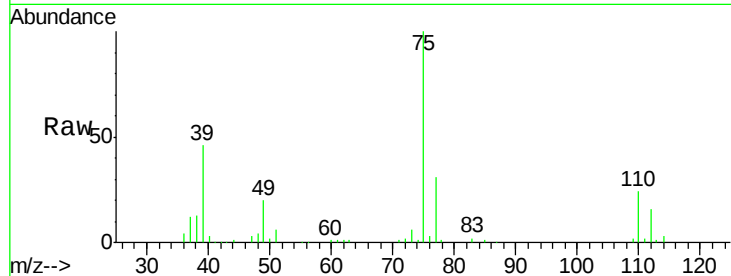
#53
 t-1,3-Dichloropropene
 Concen: 18.776 ug/l
 RT: 10.47 min Scan# 1433
 Delta R.T. 0.00 min
 Lab File: VY001610.D
 Acq: 12 Feb 2020 13:06

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0212SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.4	24.9	37.3

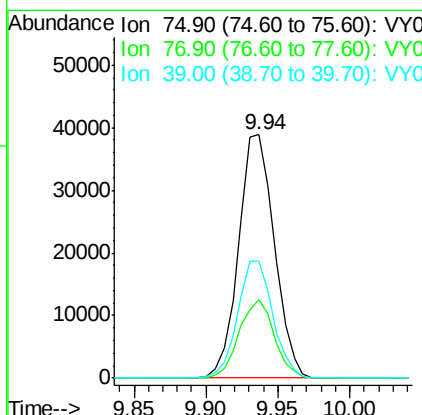
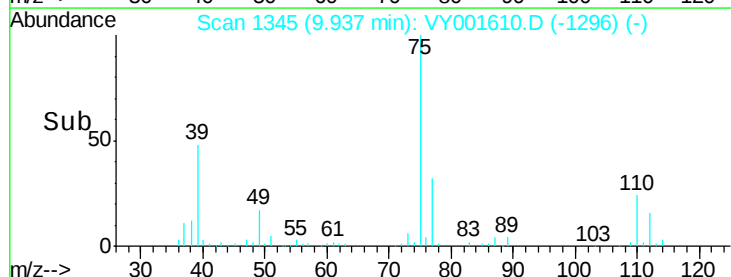
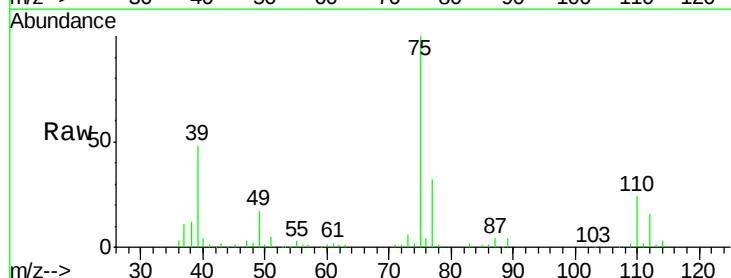
Manual Integrations
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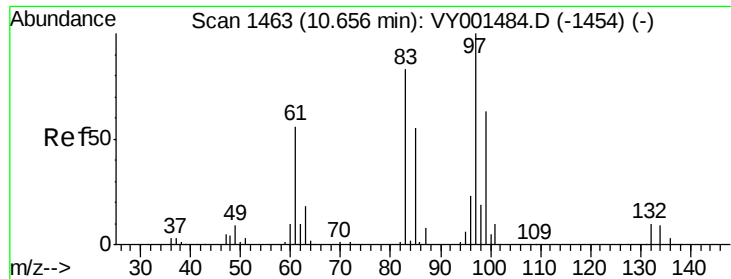
MMDadoda
 2/13/2020 12:27:54 PM



#54
 cis-1,3-Dichloropropene
 Concen: 18.907 ug/l
 RT: 9.94 min Scan# 1345
 Delta R.T. 0.00 min
 Lab File: VY001610.D
 Acq: 12 Feb 2020 13:06

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.1	24.7	37.1
39	47.8	34.0	51.0





#55

1,1,2-Trichloroethane

Concen: 19.665 ug/l

RT: 10.65 min Scan# 1462

Delta R.T. -0.01 min

Lab File: VY001610.D

Acq: 12 Feb 2020 13:06

Instrument :

MSVOA_Y

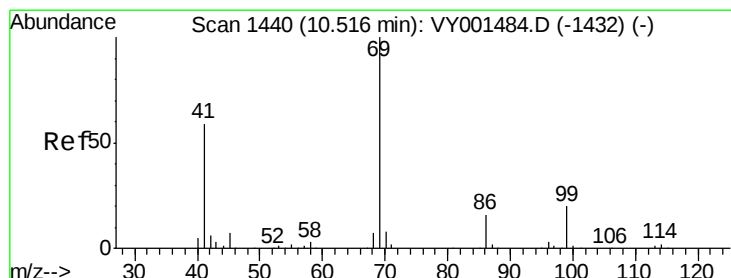
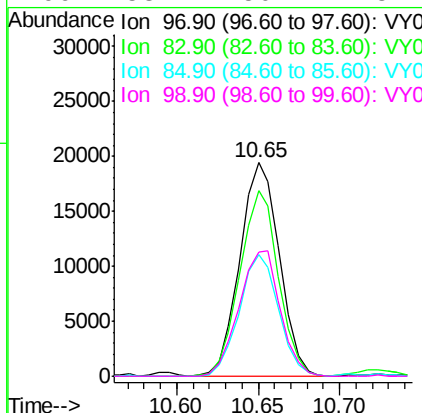
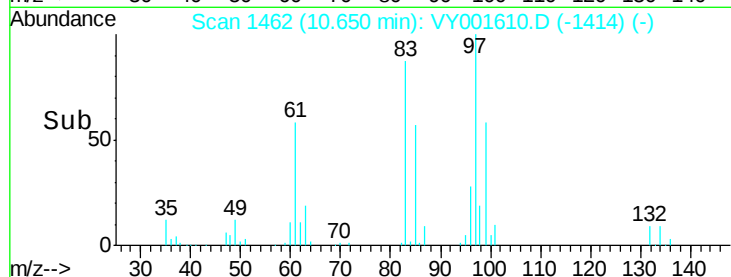
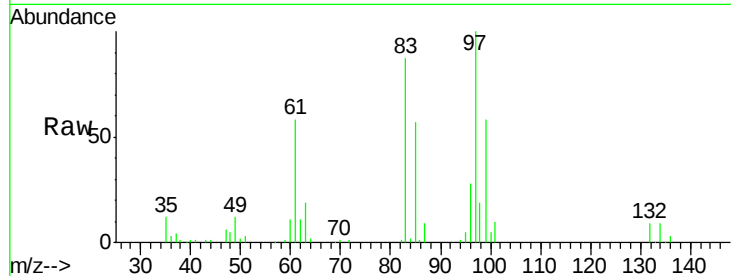
ClientSampleId :

VY0212SBS01

Tot Ion:	97	Resp:	32824
Ion	Ratio	Lower	Upper
97	100		
83	86.7	66.2	99.2
85	56.7	43.8	65.6
99	58.4	50.1	75.1

Manual Integrations
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2/13/2020 12:27:54 PM



#56

Ethyl methacrylate

Concen: 20.310 ug/l

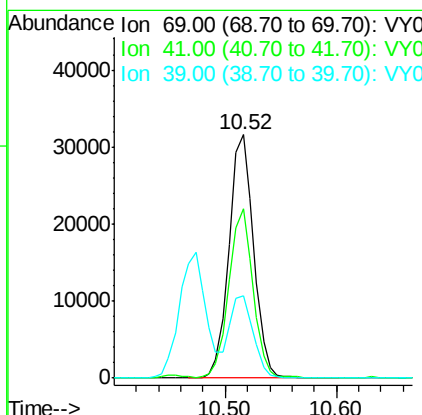
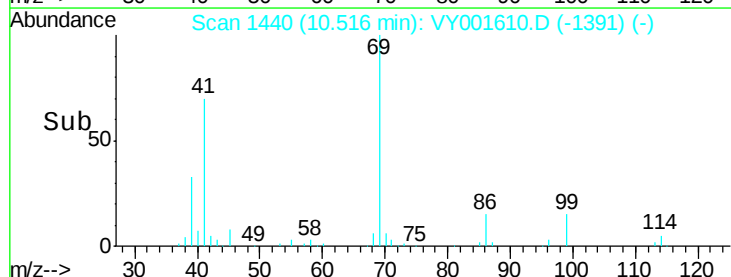
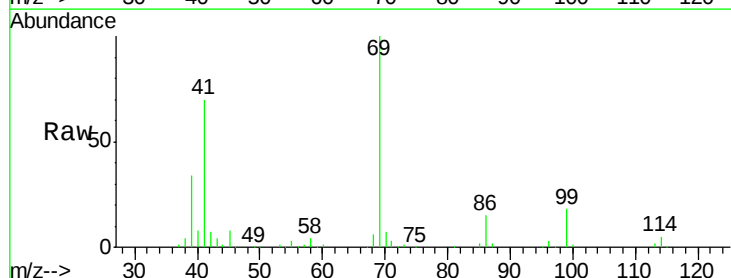
RT: 10.52 min Scan# 1440

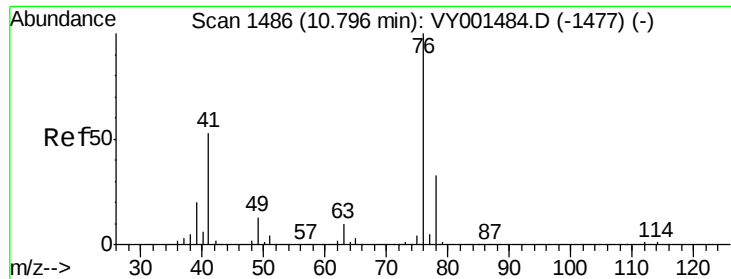
Delta R.T. 0.00 min

Lab File: VY001610.D

Acq: 12 Feb 2020 13:06

Tgt Ion:	69	Resp:	48220
Ion	Ratio	Lower	Upper
69	100		
41	68.8	47.8	71.8
39	34.9	24.4	36.6





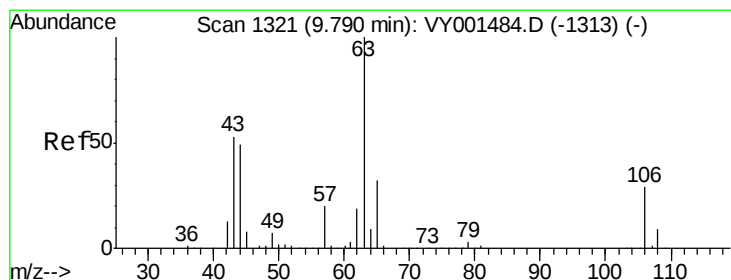
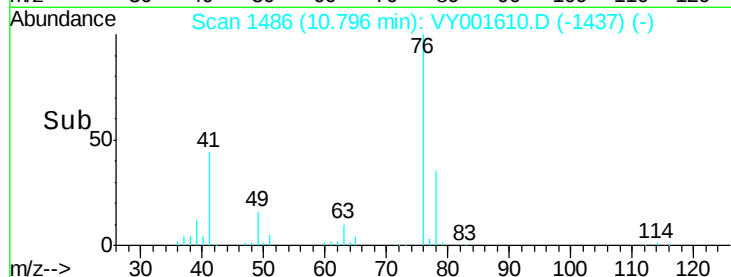
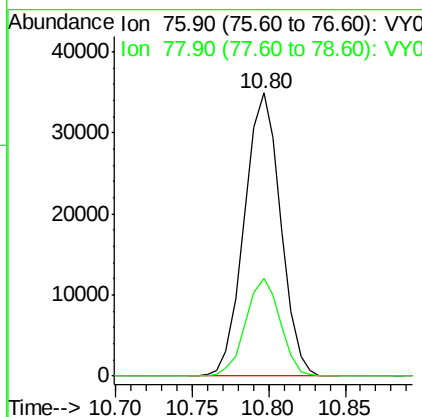
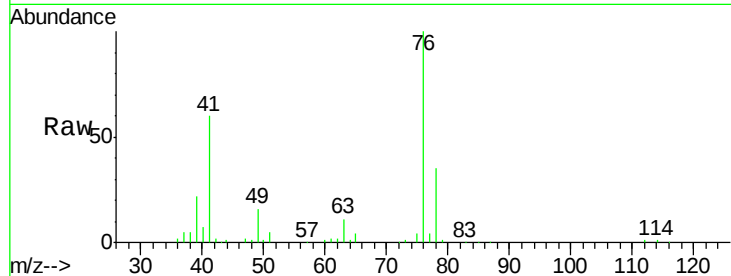
#57
 1,3-Dichloropropane
 Concen: 19.561 ug/l
 RT: 10.80 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VY001610.D
 Acq: 12 Feb 2020 13:06

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0212SBS01

Tot Ion: 76 Resp: 57556
 Ion Ratio Lower Upper
 76 100
 78 33.2 25.7 38.5

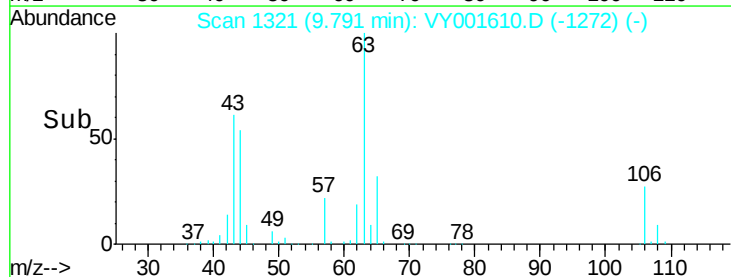
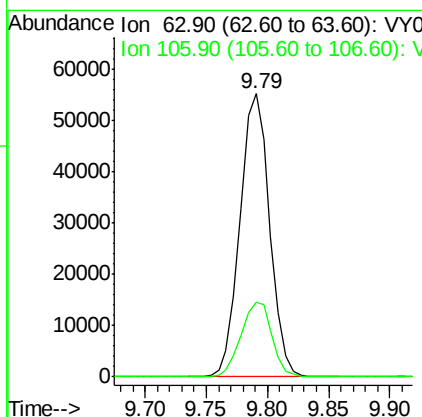
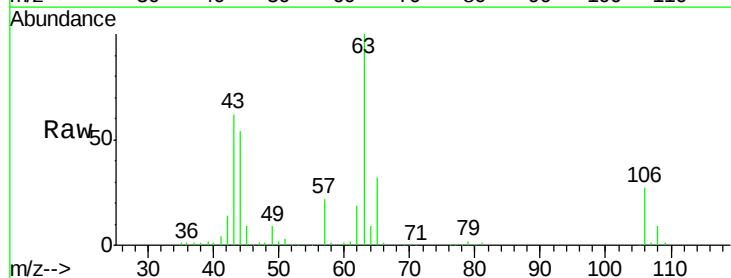
Manual Integrations
 APPROVED

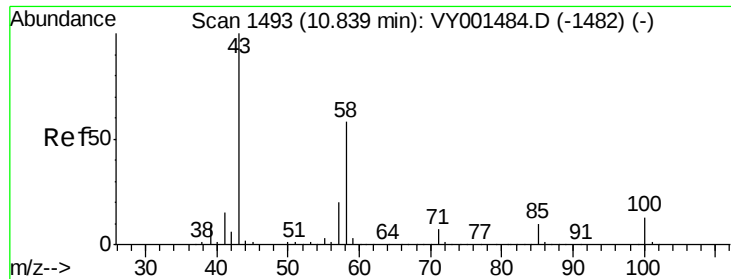
MMDadoda
 2/13/2020 12:27:54 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 106.121 ug/l
 RT: 9.79 min Scan# 1321
 Delta R.T. 0.00 min
 Lab File: VY001610.D
 Acq: 12 Feb 2020 13:06

Tgt Ion: 63 Resp: 92685
 Ion Ratio Lower Upper
 63 100
 106 27.6 24.0 36.0





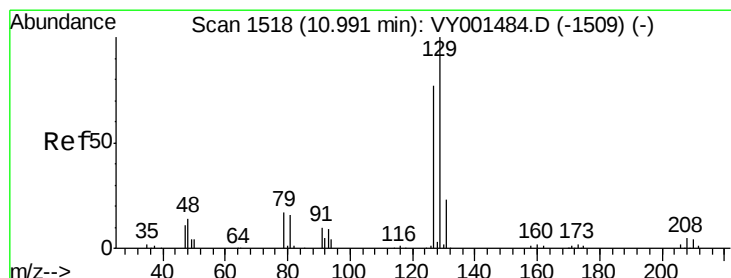
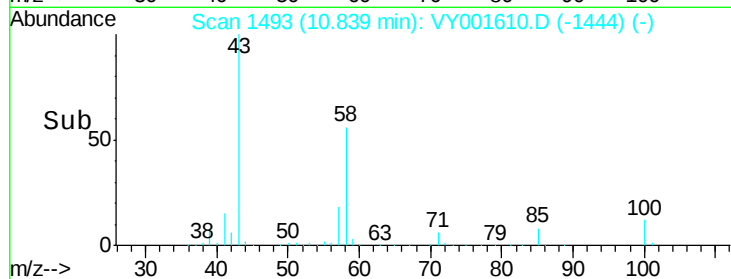
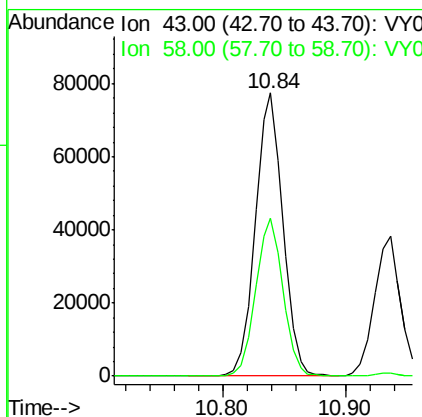
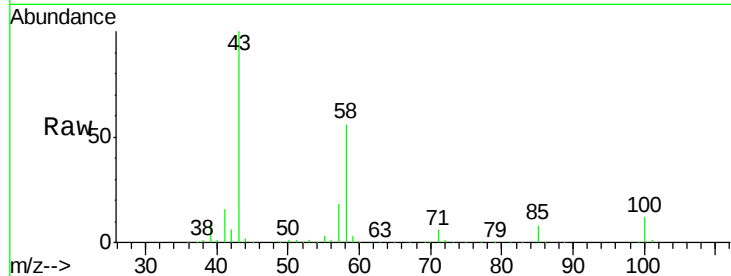
#59
2-Hexanone
Concen: 117.533 ug/l
RT: 10.84 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VY001610.D
Acq: 12 Feb 2020 13:06

Instrument :
MSVOA_Y
ClientSampleId :
VY0212SBS01

Tot Ion: 43 Resp: 121340
Ion Ratio Lower Upper
43 100
58 55.3 29.0 87.0

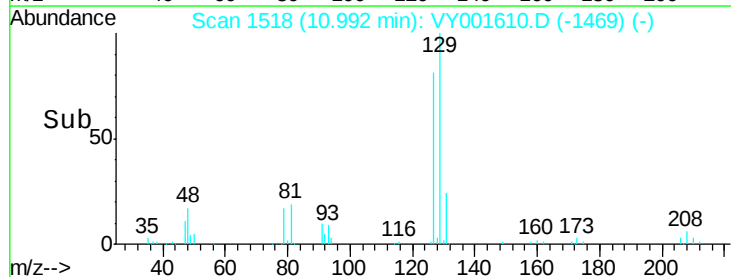
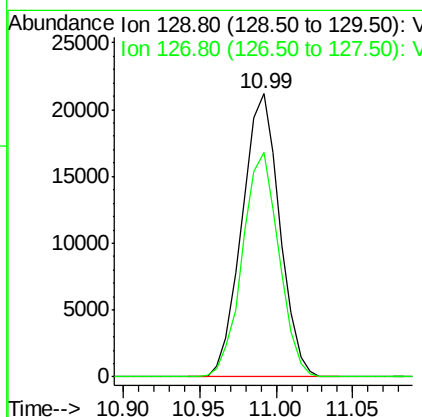
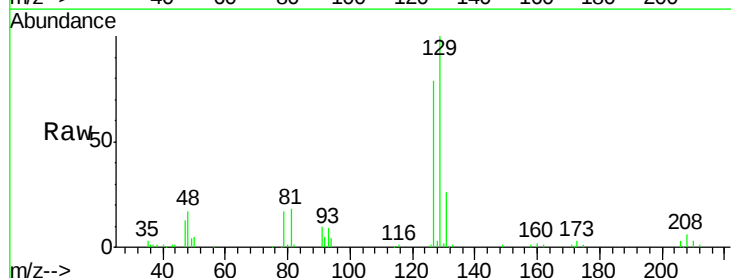
Manual Integrations
APPROVED

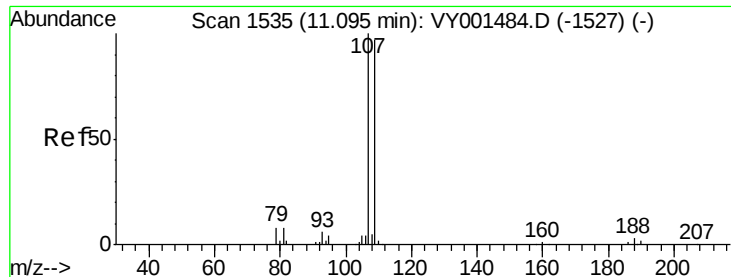
MMDadoda
2/13/2020 12:27:54 PM



#60
Dibromochloromethane
Concen: 18.416 ug/l
RT: 10.99 min Scan# 1518
Delta R.T. 0.00 min
Lab File: VY001610.D
Acq: 12 Feb 2020 13:06

Tgt Ion: 129 Resp: 36234
Ion Ratio Lower Upper
129 100
127 76.7 38.9 116.6





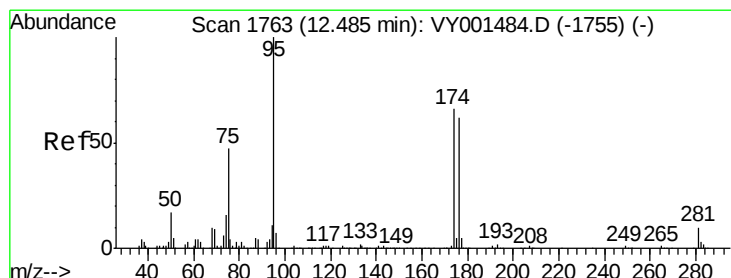
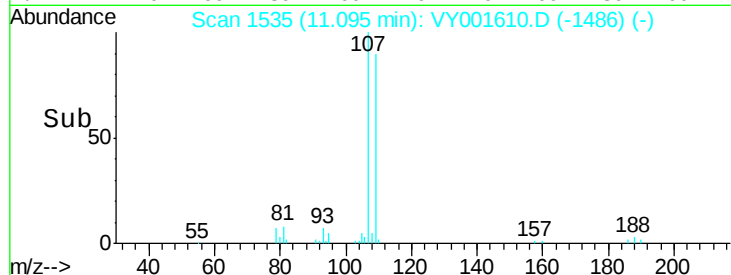
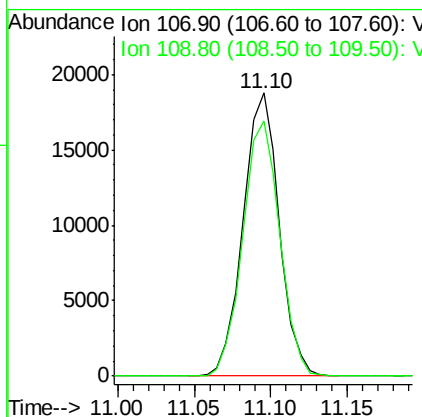
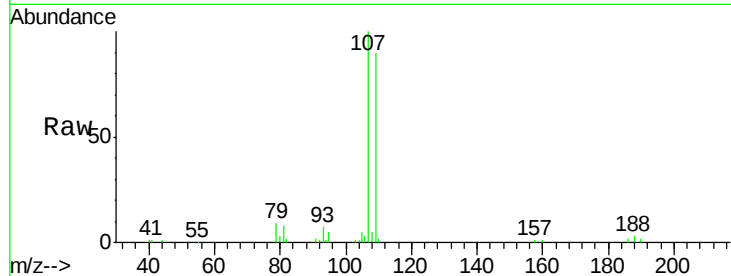
#61
 1,2-Dibromoethane
 Concen: 18.659 ug/l
 RT: 11.10 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VY001610.D
 Acq: 12 Feb 2020 13:06

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0212SBS01

Tot Ion: 107 Resp: 30677
 Ion Ratio Lower Upper
 107 100
 109 92.7 76.2 114.2

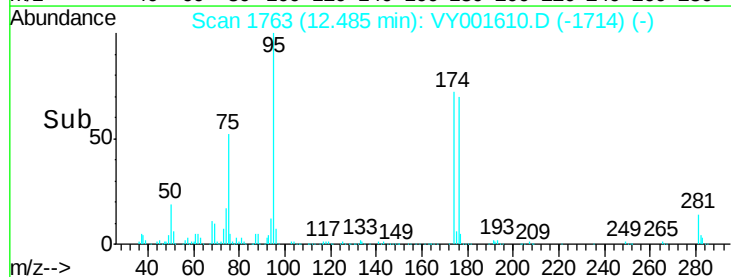
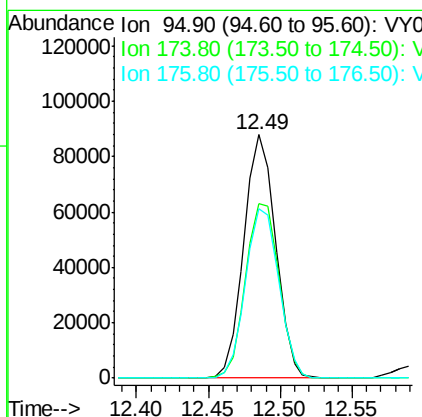
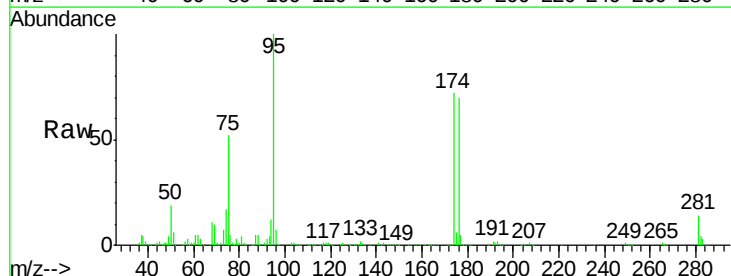
Manual Integrations
 APPROVED

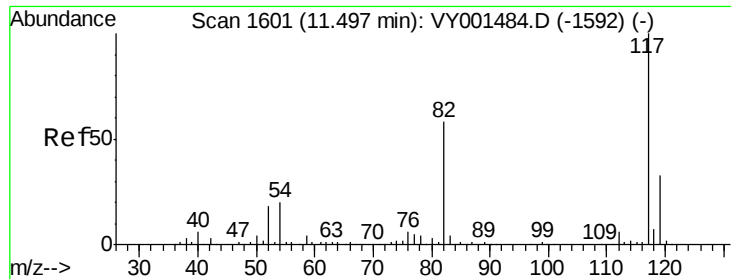
MMDadoda
 2/13/2020 12:27:54 PM



#62
 4-Bromofluorobenzene
 Concen: 47.510 ug/l
 RT: 12.49 min Scan# 1763
 Delta R.T. 0.00 min
 Lab File: VY001610.D
 Acq: 12 Feb 2020 13:06

Tgt Ion: 95 Resp: 134270
 Ion Ratio Lower Upper
 95 100
 174 75.3 0.0 141.4
 176 72.9 0.0 135.4





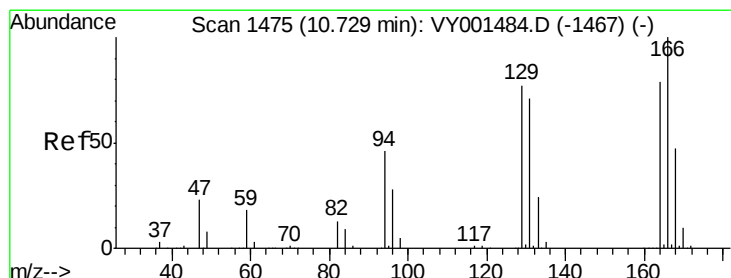
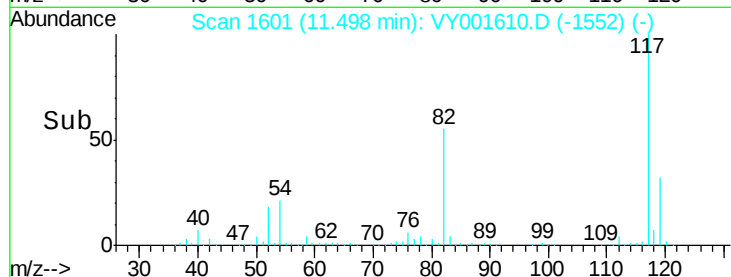
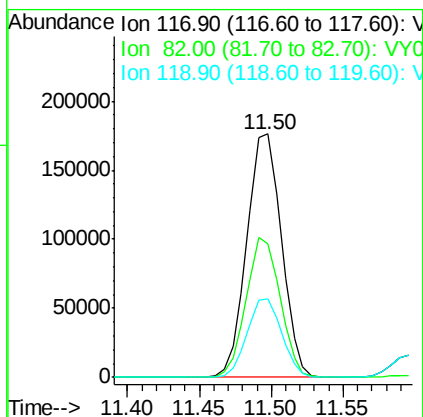
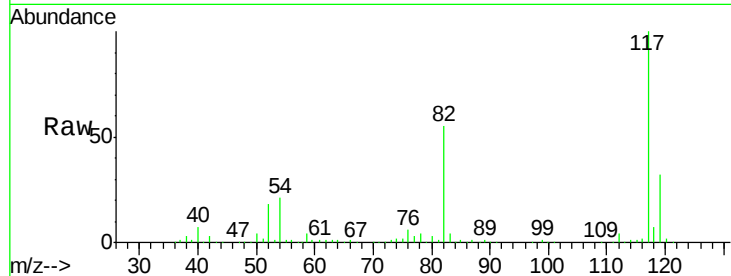
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. 0.00 min
Lab File: VY001610.D
Acq: 12 Feb 2020 13:06

Instrument :
MSVOA_Y
ClientSampleId :
VY0212SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	293899		
82	55.1	46.1	69.1	
119	32.4	26.1	39.1	

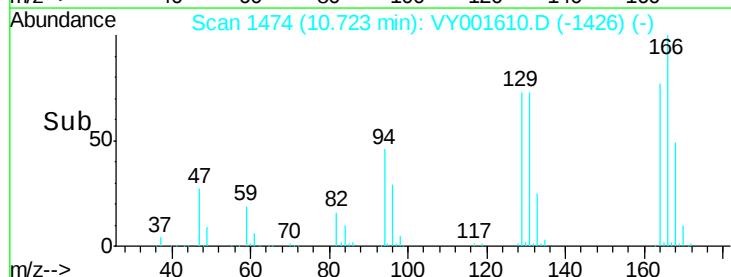
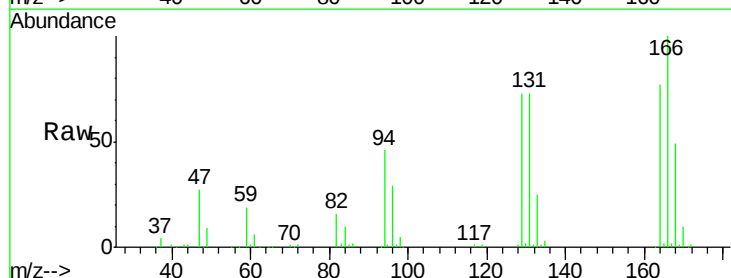
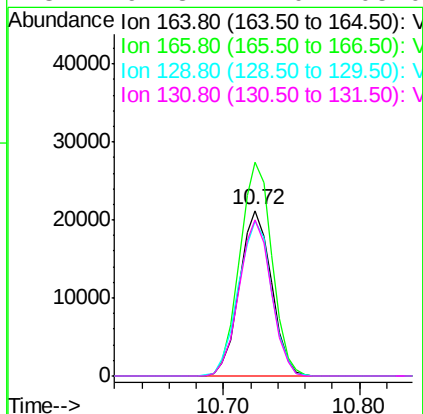
Manual Integrations
APPROVED

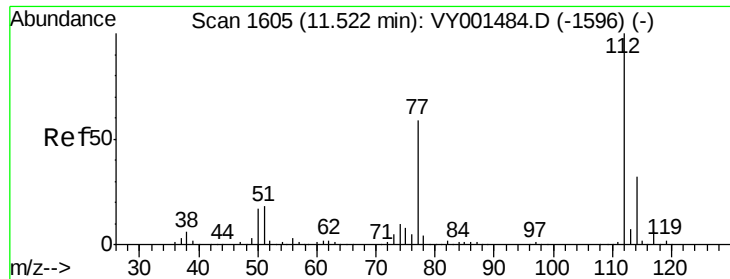
MMDadoda
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#64
Tetrachloroethene
Concen: 18.126 ug/l
RT: 10.72 min Scan# 1474
Delta R.T. -0.01 min
Lab File: VY001610.D
Acq: 12 Feb 2020 13:06

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	34936		
166	129.1	100.8	151.2	
129	93.8	77.8	116.6	
131	94.3	72.0	108.0	





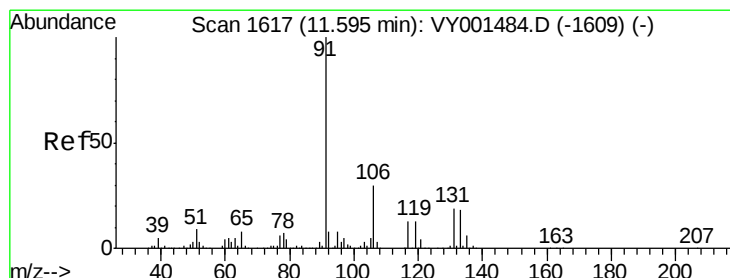
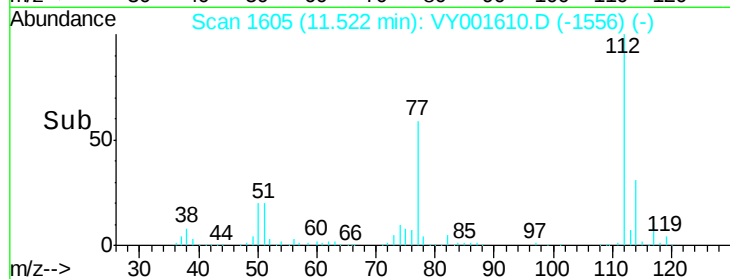
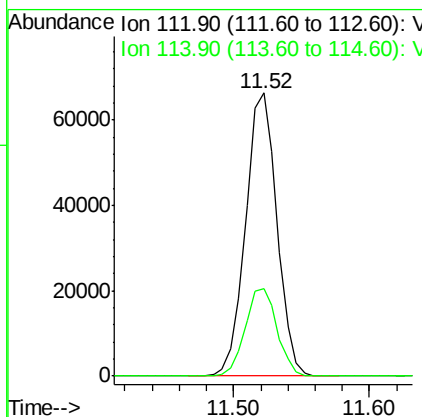
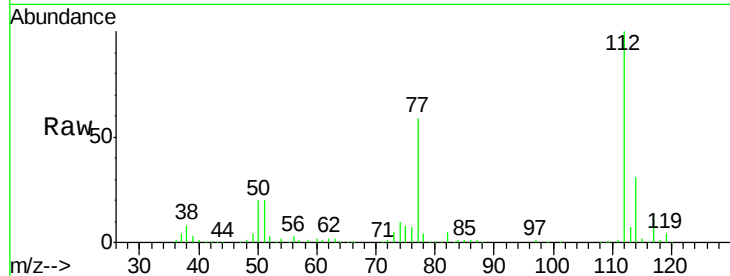
#65
Chlorobenzene
Concen: 18.561 ug/l
RT: 11.52 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VY001610.D
Acq: 12 Feb 2020 13:06

Instrument :
MSVOA_Y
ClientSampleId :
VY0212SBS01

Tot Ion:112 Resp: 107108
Ion Ratio Lower Upper
112 100
114 30.8 25.4 38.2

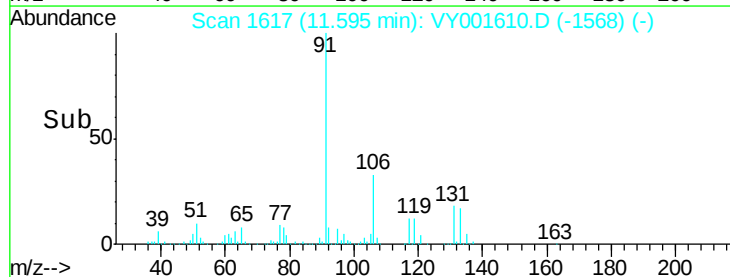
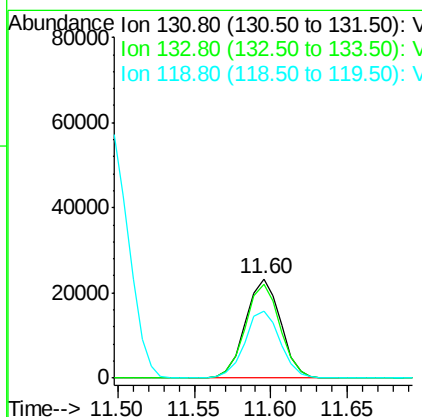
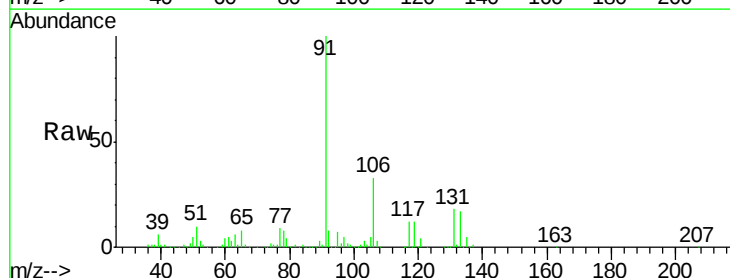
Manual Integrations
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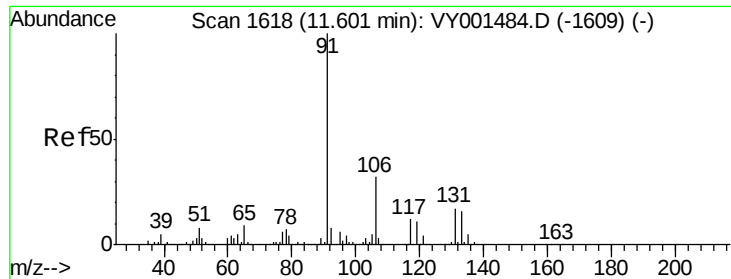
MMDadoda
2/13/2020 12:27:54 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 18.487 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. 0.00 min
Lab File: VY001610.D
Acq: 12 Feb 2020 13:06

Tgt Ion:131 Resp: 37339
Ion Ratio Lower Upper
131 100
133 94.1 47.9 143.8
119 68.0 33.7 101.0





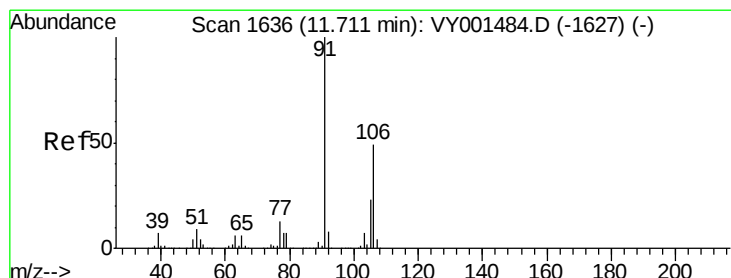
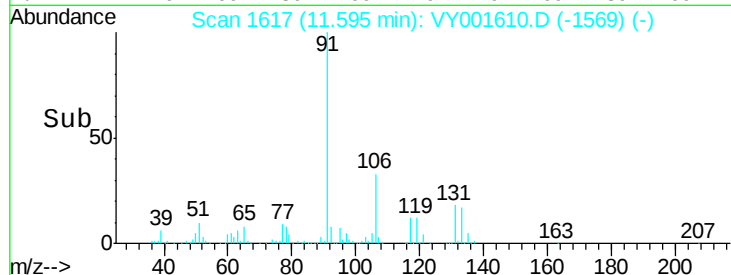
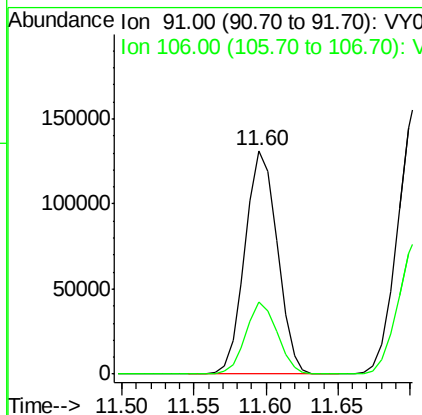
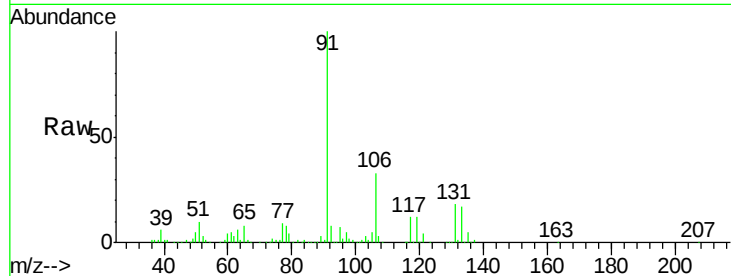
#67
Ethyl Benzene
Concen: 19.140 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. -0.01 min
Lab File: VY001610.D
Acq: 12 Feb 2020 13:06

Instrument :
MSVOA_Y
ClientSampleId :
VY0212SBS01

Tot Ion: 91 Resp: 204215
Ion Ratio Lower Upper
91 100
106 32.6 25.3 37.9

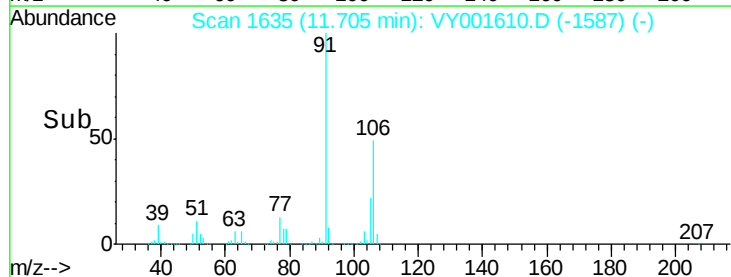
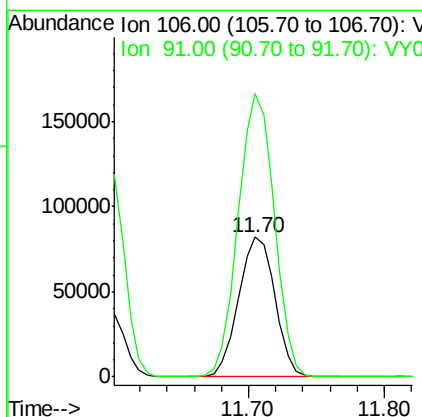
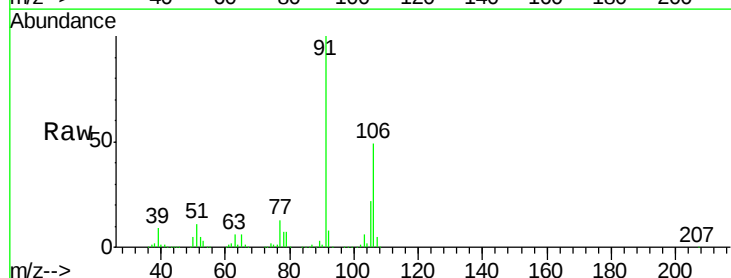
Manual Integrations
APPROVED

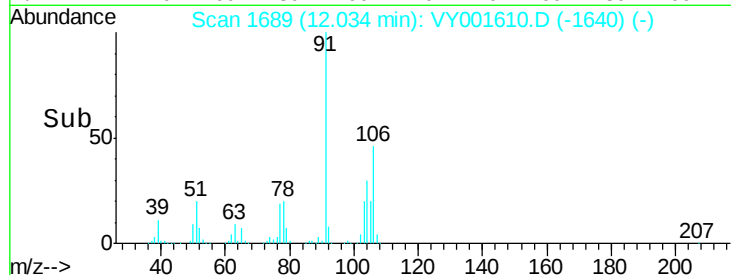
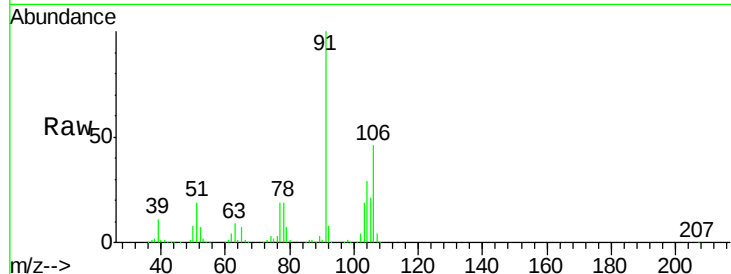
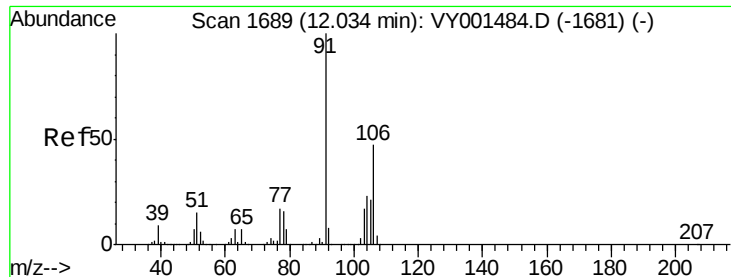
MMDadoda
2/13/2020 12:27:54 PM



#68
m/p-Xylenes
Concen: 38.391 ug/l
RT: 11.70 min Scan# 1635
Delta R.T. -0.01 min
Lab File: VY001610.D
Acq: 12 Feb 2020 13:06

Tgt Ion: 106 Resp: 153776
Ion Ratio Lower Upper
106 100
91 200.4 163.6 245.4





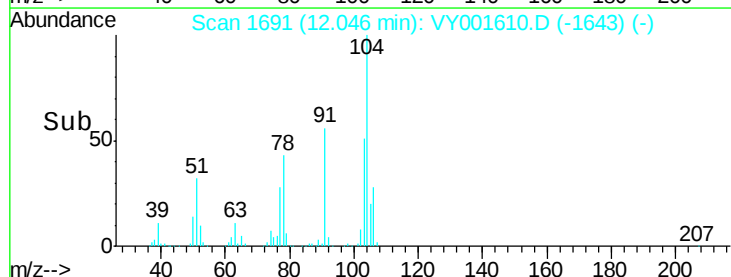
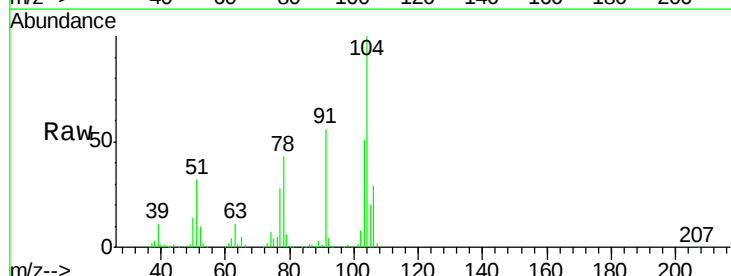
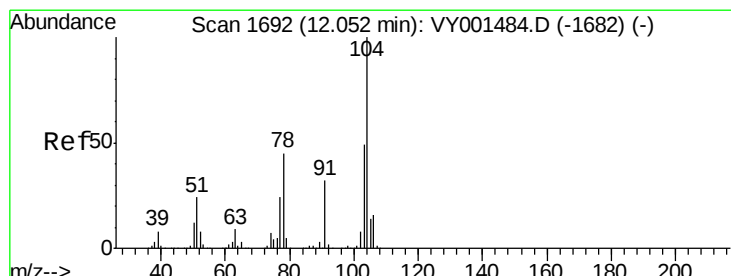
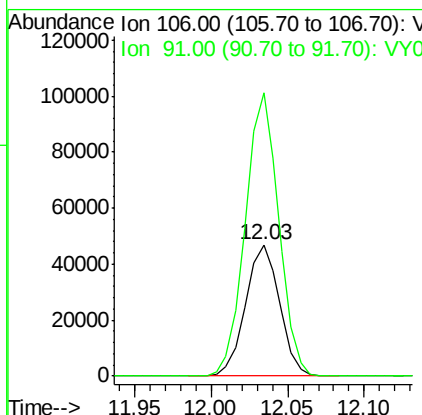
#69
o-Xylene
Concen: 19.165 ug/l
RT: 12.03 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VY001610.D
Acq: 12 Feb 2020 13:06

Tot Ion:106 Resp: 72380
Ion Ratio Lower Upper
106 100
91 212.3 106.0 318.0

Instrument :
MSVOA_Y
ClientSampleId :
VY0212SBS01

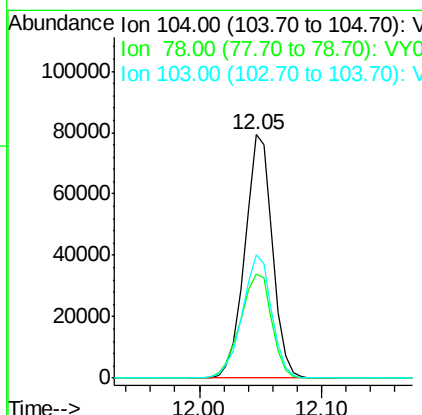
Manual Integrations
APPROVED

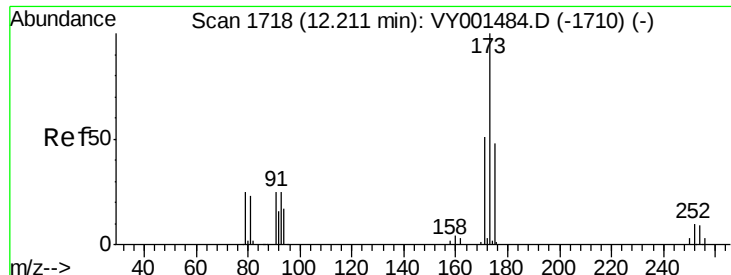
MMDadoda
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#70
Styrene
Concen: 18.966 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. -0.01 min
Lab File: VY001610.D
Acq: 12 Feb 2020 13:06

Tgt Ion:104 Resp: 123866
Ion Ratio Lower Upper
104 100
78 48.8 40.4 60.6
103 53.7 42.8 64.2





#71

Bromoform

Concen: 18.141 ug/l

RT: 12.21 min Scan# 1718

Delta R.T. 0.00 min

Lab File: VY001610.D

Acq: 12 Feb 2020 13:06

Instrument :

MSVOA_Y

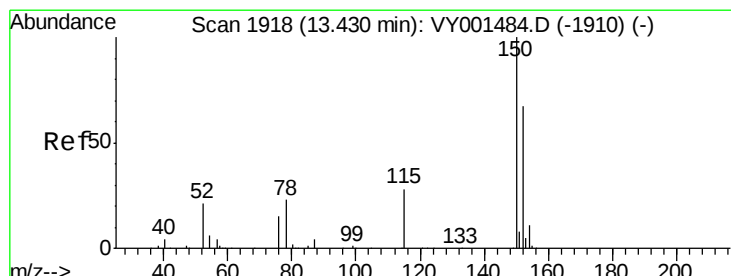
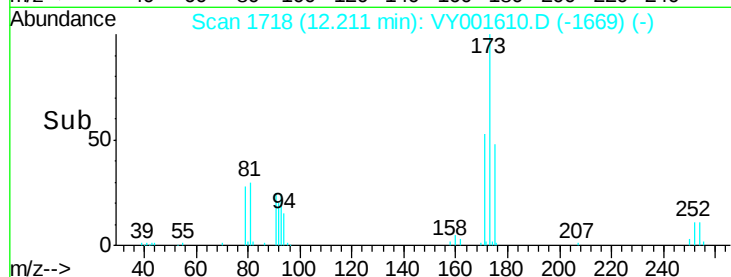
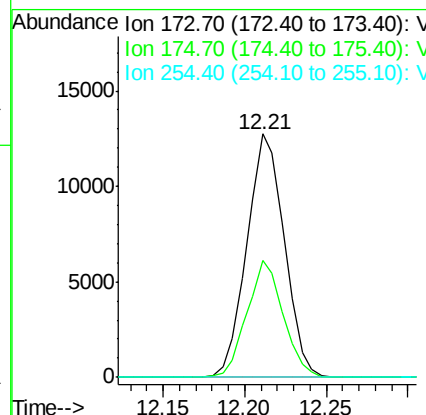
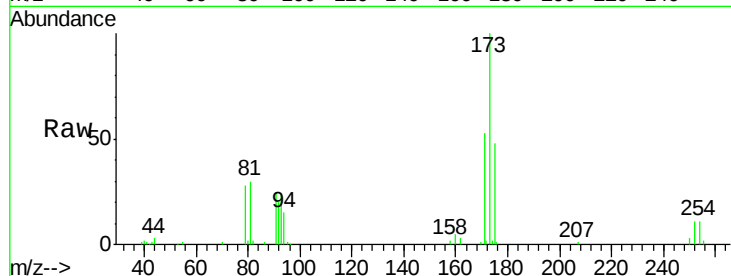
ClientSampleId :

VY0212SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	46.3	24.0	72.0
254	0.0	0.1	0.1#

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

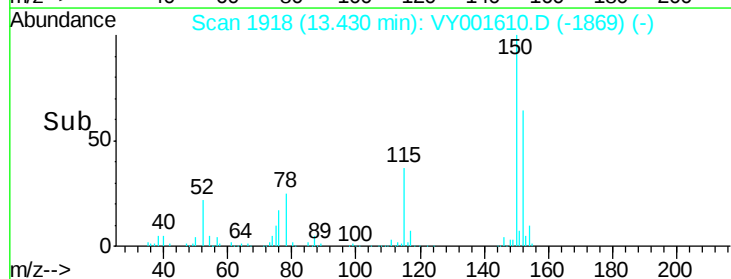
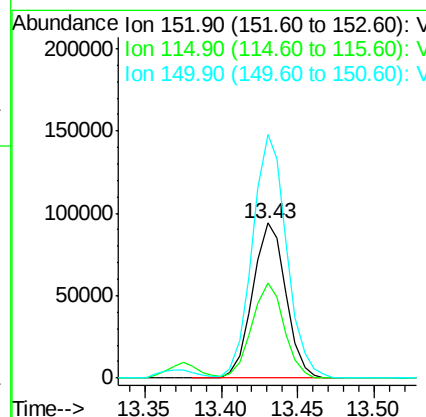
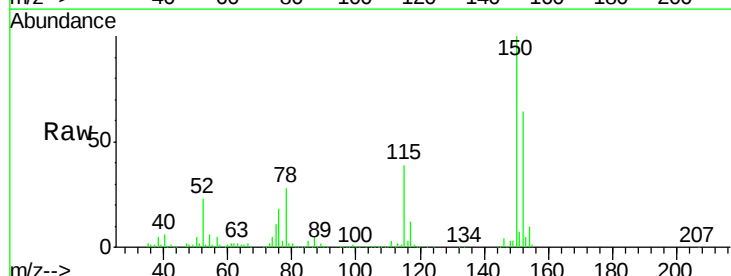
RT: 13.43 min Scan# 1918

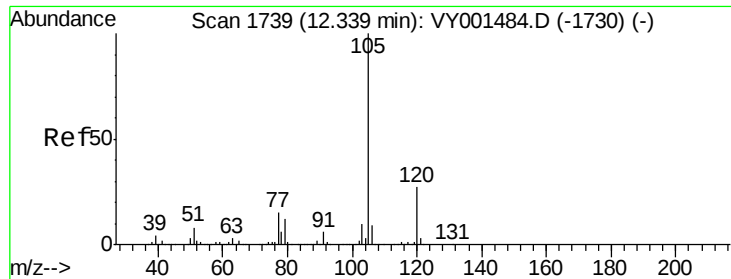
Delta R.T. 0.00 min

Lab File: VY001610.D

Acq: 12 Feb 2020 13:06

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.6	31.4	94.3
150	161.9	0.0	346.8





#73

Isopropylbenzene

Concen: 18.066 ug/l

RT: 12.33 min Scan# 1738

Delta R.T. -0.01 min

Lab File: VY001610.D

Acq: 12 Feb 2020 13:06

Instrument :

MSVOA_Y

ClientSampleId :

VY0212SBS01

Tot Ion: 105 Resp: 195981

Ion Ratio Lower Upper

105 100

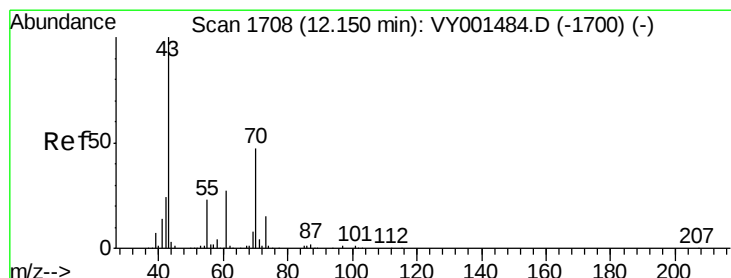
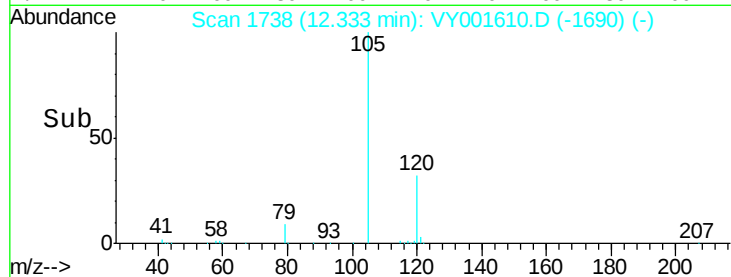
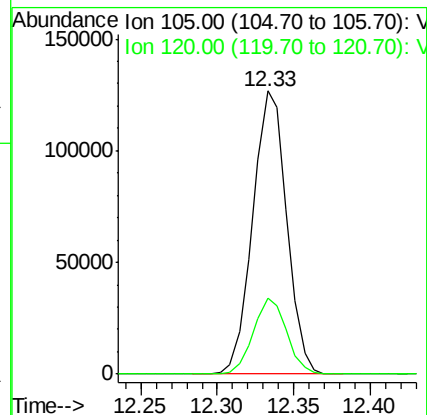
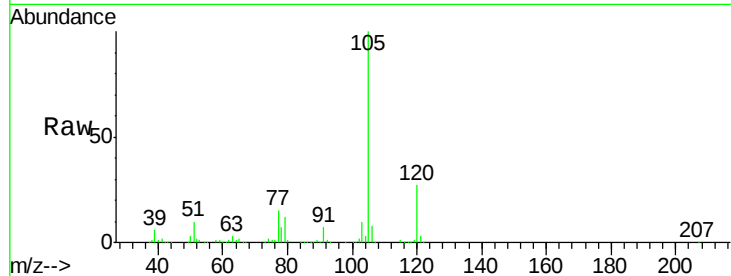
120 26.4 13.3 39.9

Manual Integrations

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#74

N-ethyl acetate

Concen: 21.595 ug/l

RT: 12.15 min Scan# 1708

Delta R.T. 0.00 min

Lab File: VY001610.D

Acq: 12 Feb 2020 13:06

Tgt Ion: 43 Resp: 60874

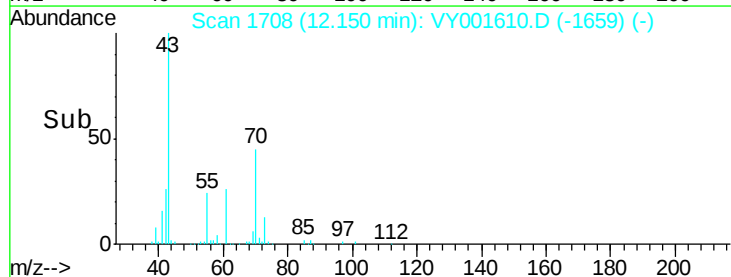
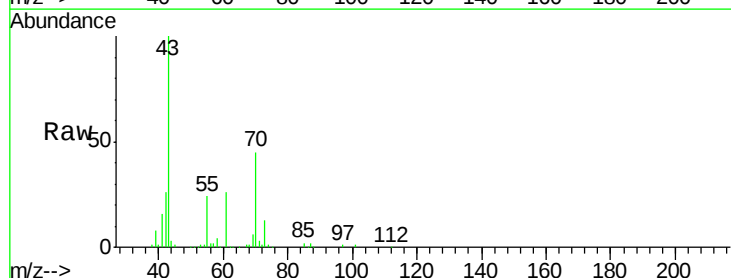
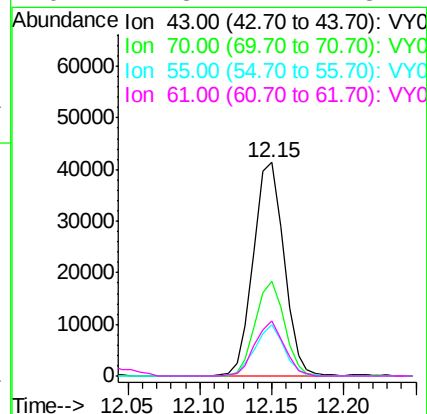
Ion Ratio Lower Upper

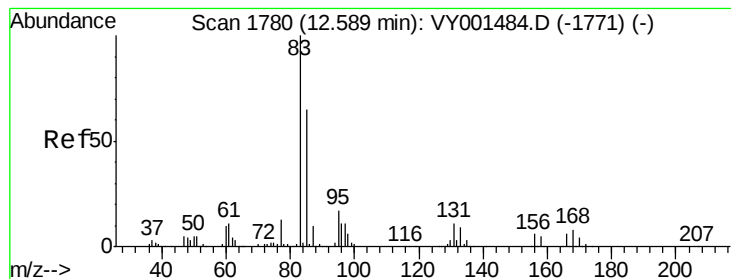
43 100

70 42.4 37.2 55.8

55 22.9 18.8 28.2

61 24.3 21.4 32.2





#75

1,1,2,2-Tetrachloroethane

Concen: 19.983 ug/l

RT: 12.59 min Scan# 1780

Delta R.T. 0.00 min

Lab File: VY001610.D

Acq: 12 Feb 2020 13:06

Instrument :

MSVOA_Y

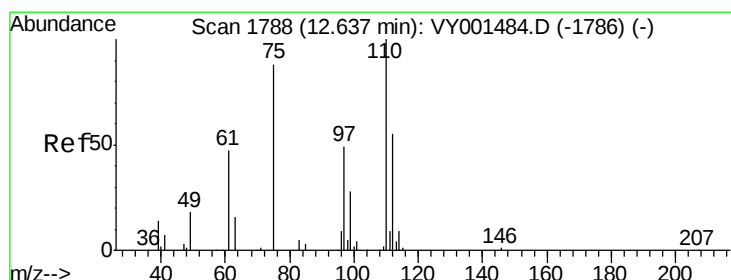
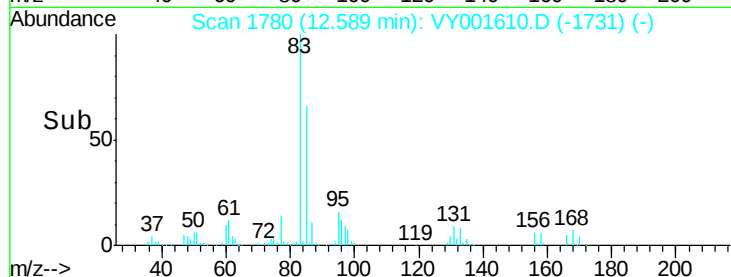
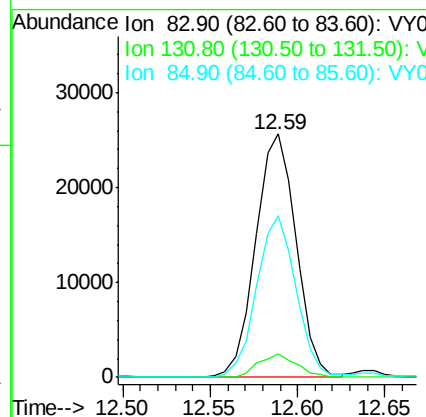
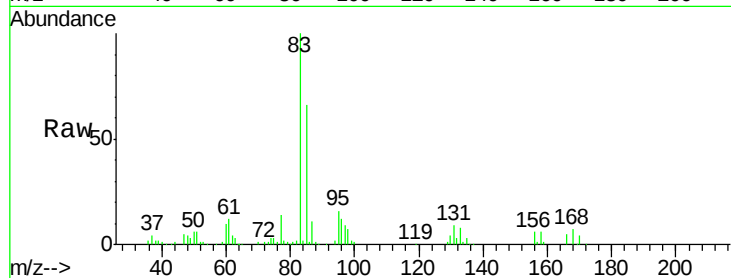
ClientSampleId :

VY0212SBS01

Tot Ion:	83	Resp:	41186
Ion Ratio	Lower	Upper	
83	100		
131	9.4	5.4	16.2
85	64.6	32.0	96.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 18.321 ug/l m

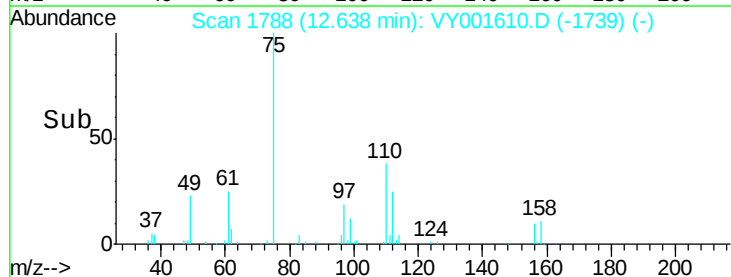
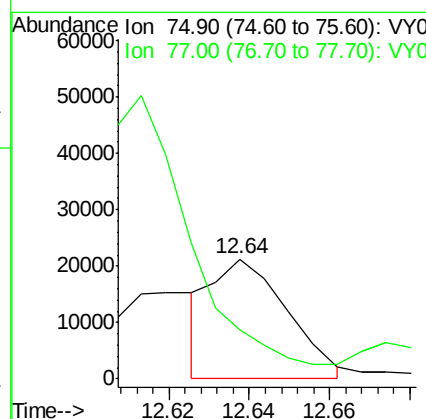
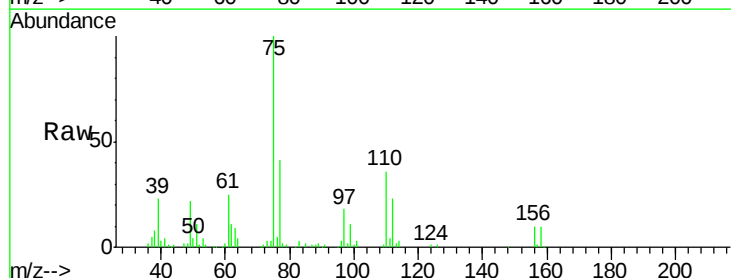
RT: 12.64 min Scan# 1788

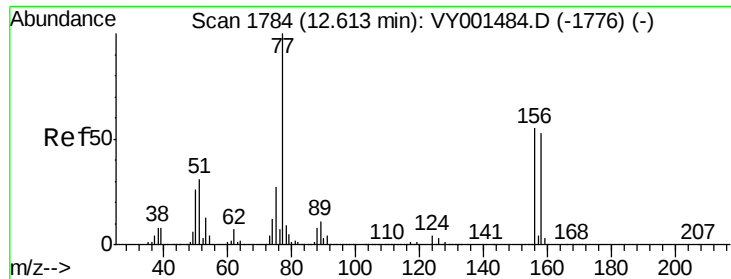
Delta R.T. 0.00 min

Lab File: VY001610.D

Acq: 12 Feb 2020 13:06

Tgt Ion:	75	Resp:	28024
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 18.020 ug/l

RT: 12.61 min Scan# 1784

Delta R.T. 0.00 min

Lab File: VY001610.D

Acq: 12 Feb 2020 13:06

Instrument :

MSVOA_Y

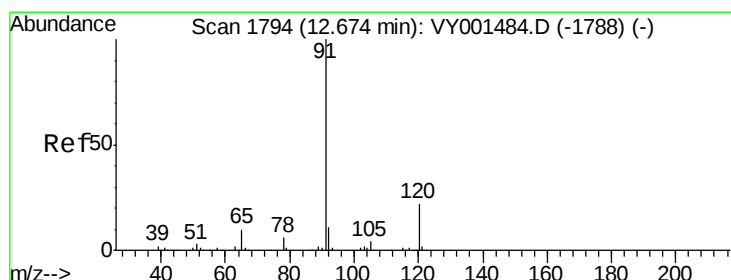
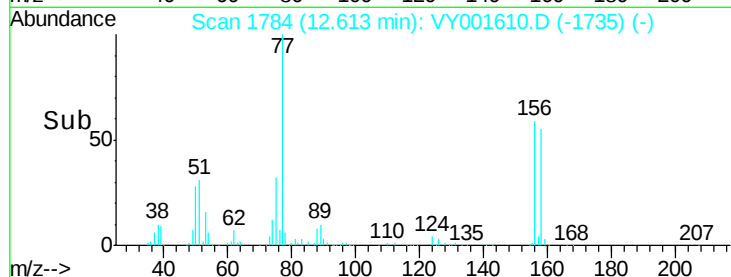
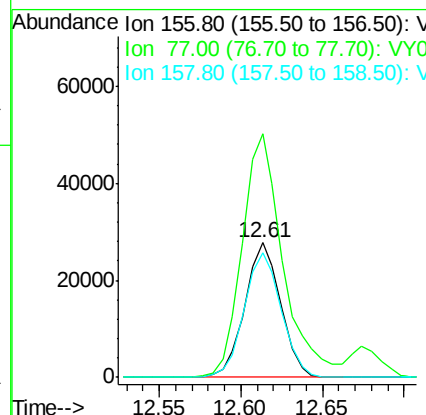
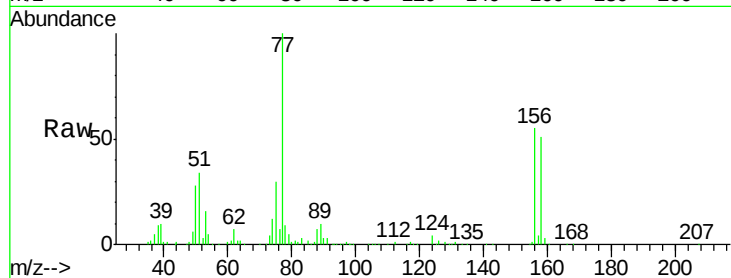
ClientSampleId :

VY0212SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	205.3	99.8	299.3
158	95.7	47.5	142.6

Manual Integrations
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#78

n-propylbenzene

Concen: 18.681 ug/l

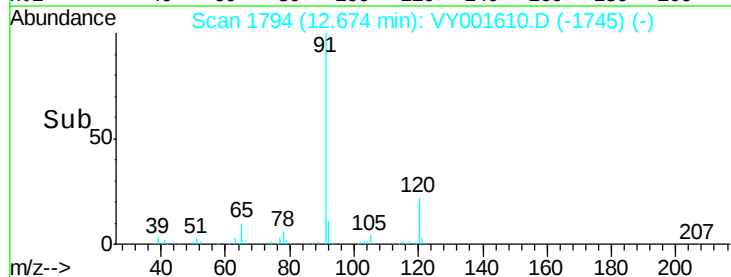
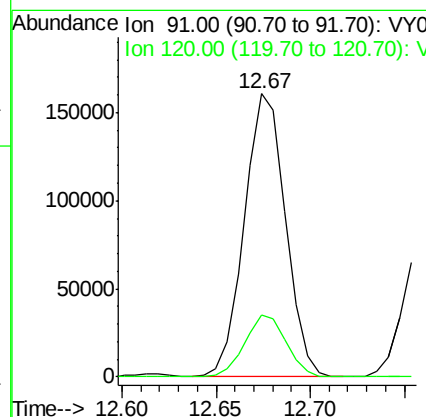
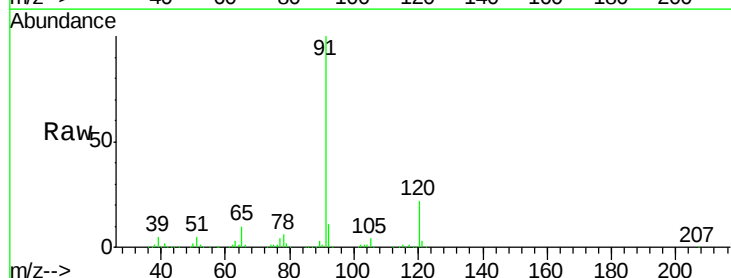
RT: 12.67 min Scan# 1794

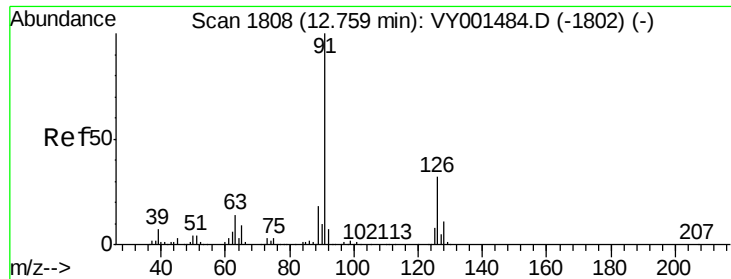
Delta R.T. 0.00 min

Lab File: VY001610.D

Acq: 12 Feb 2020 13:06

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.1	11.4	34.2





#79

2-Chlorotoluene

Concen: 18.088 ug/l

RT: 12.76 min Scan# 1808

Delta R.T. 0.00 min

Lab File: VY001610.D

Acq: 12 Feb 2020 13:06

Instrument :

MSVOA_Y

ClientSampleId :

VY0212SBS01

Tot Ion: 91 Resp: 133898

Ion Ratio Lower Upper

91 100

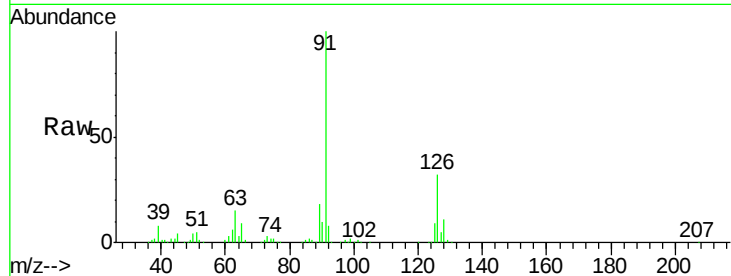
126 33.4 16.4 49.2

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VY001610.D (-1759) (-)

Ion 125.90 (125.60 to 126.60): VY001610.D (-1759) (-)

150000

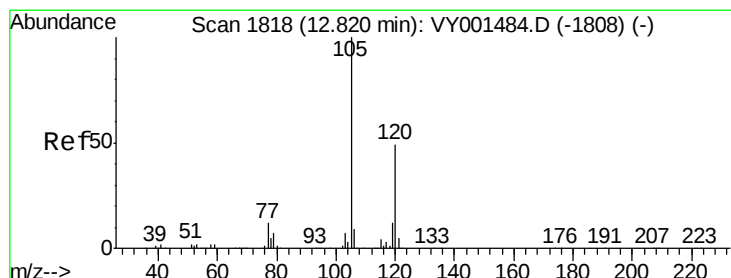
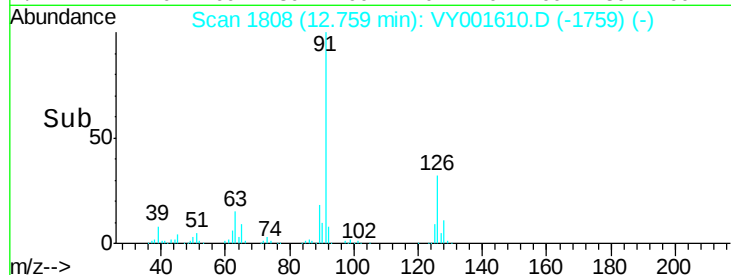
100000

50000

0

12.70 12.75 12.80

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 18.062 ug/l

RT: 12.81 min Scan# 1817

Delta R.T. -0.01 min

Lab File: VY001610.D

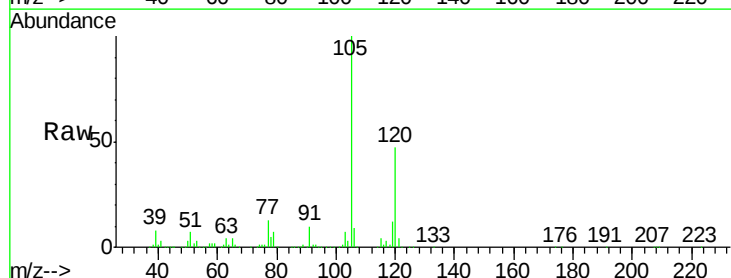
Acq: 12 Feb 2020 13:06

Tgt Ion: 105 Resp: 165012

Ion Ratio Lower Upper

105 100

120 48.7 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): VY001610.D (-1769) (-)

Ion 120.00 (119.70 to 120.70): VY001610.D (-1769) (-)

120000

100000

80000

60000

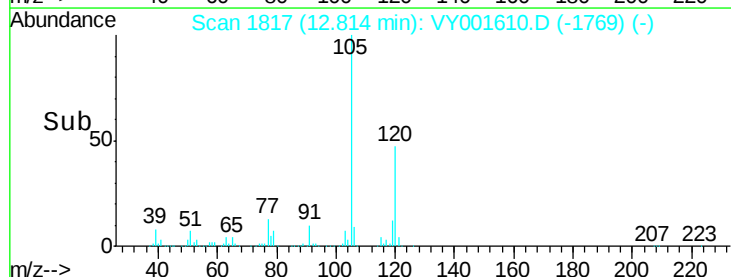
40000

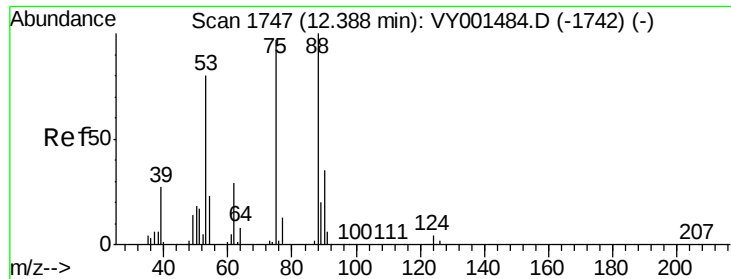
20000

0

12.70 12.80 12.90

Time-->





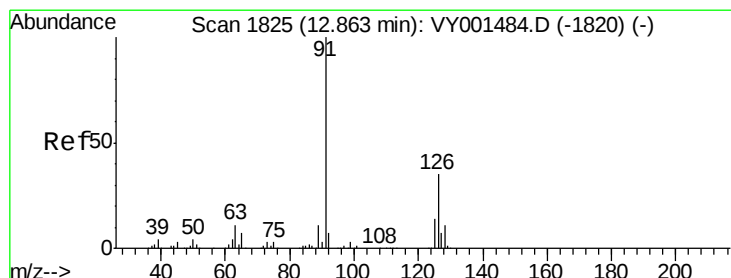
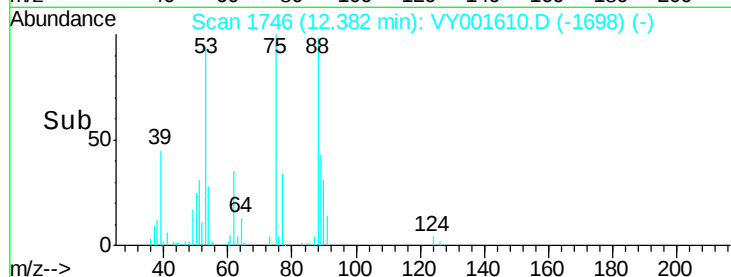
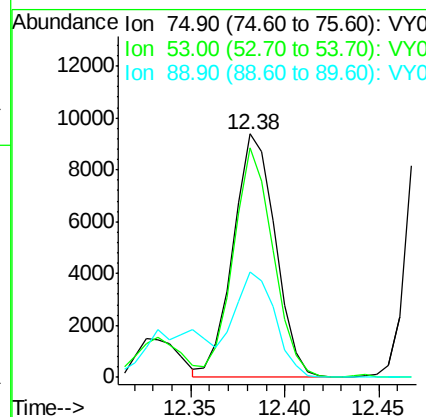
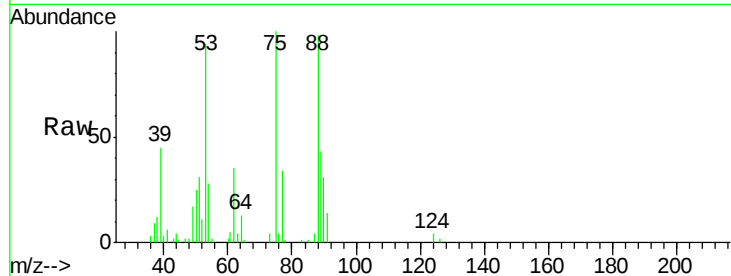
#81
trans-1,4-Dichloro-2-butene
Concen: 18.456 ug/l
RT: 12.38 min Scan# 1746
Delta R.T. -0.01 min
Lab File: VY001610.D
Acq: 12 Feb 2020 13:06

Instrument :
MSVOA_Y
ClientSampleId :
VY0212SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	88.6	67.7	101.5
89	42.2	34.6	52.0

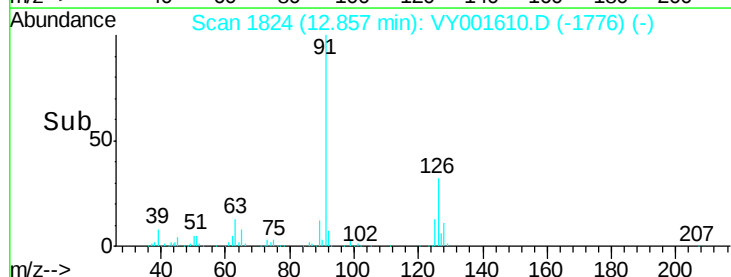
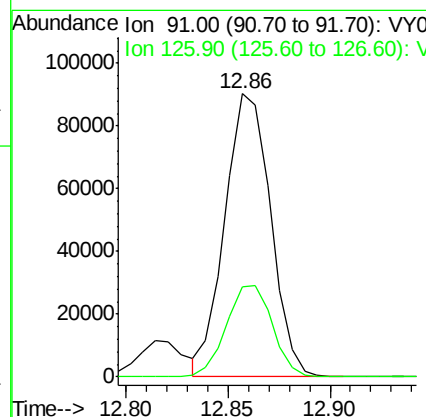
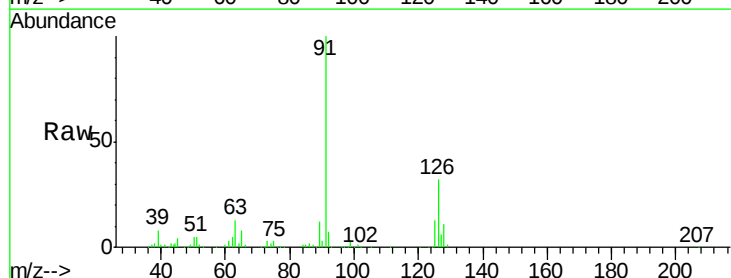
Manual Integrations
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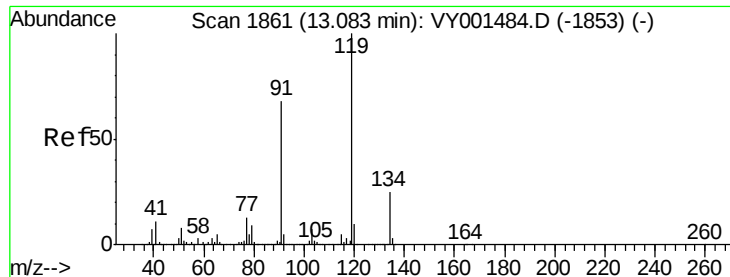
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#82
4-Chlorotoluene
Concen: 18.128 ug/l
RT: 12.86 min Scan# 1824
Delta R.T. -0.01 min
Lab File: VY001610.D
Acq: 12 Feb 2020 13:06

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.5	49.5





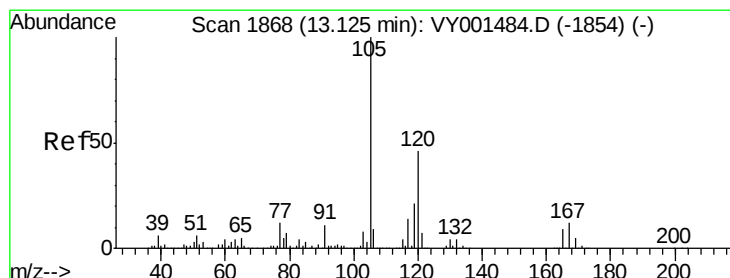
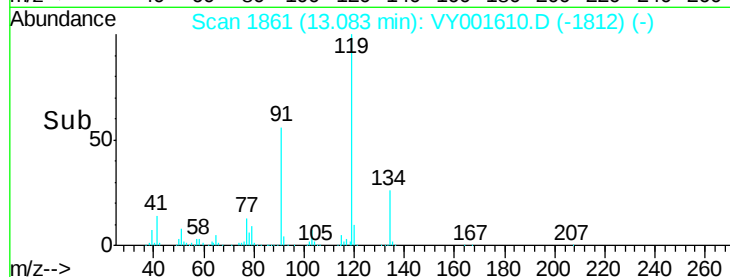
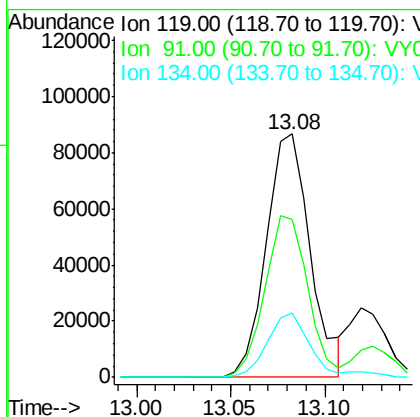
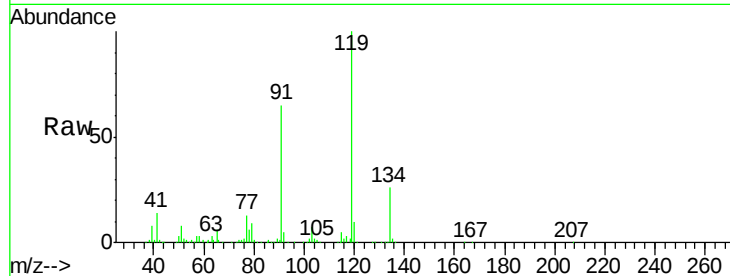
#83
tert-Butylbenzene
Concen: 18.203 ug/l
RT: 13.08 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VY001610.D
Acq: 12 Feb 2020 13:06

Instrument :
MSVOA_Y
ClientSampleId :
VY0212SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	140575		
91	64.6	33.1	99.3	
134	26.3	13.0	39.0	

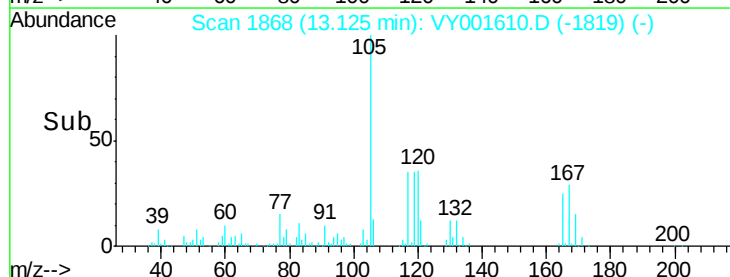
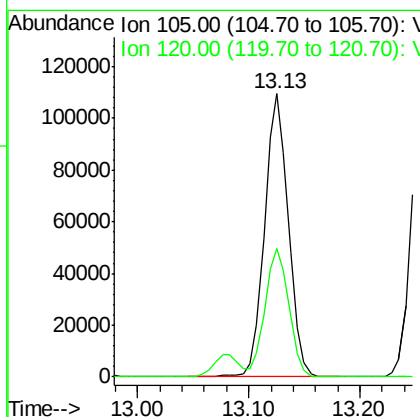
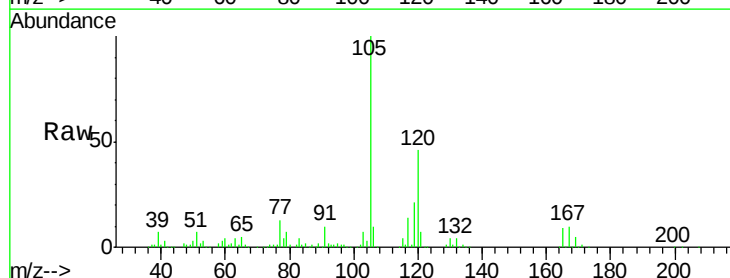
Manual Integrations
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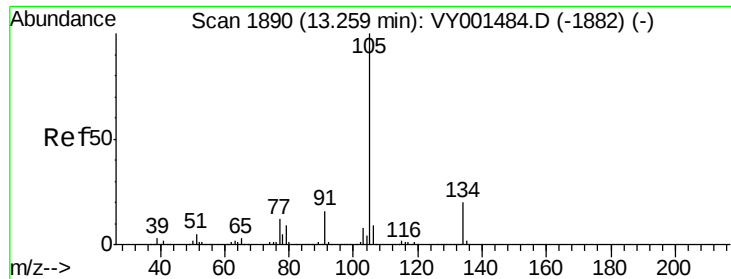
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 18.035 ug/l
RT: 13.13 min Scan# 1868
Delta R.T. 0.00 min
Lab File: VY001610.D
Acq: 12 Feb 2020 13:06

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	163081		
120	45.1	22.4	67.0	





#85

sec-Butylbenzene

Concen: 18.553 ug/l

RT: 13.26 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VY001610.D

Acq: 12 Feb 2020 13:06

Instrument :

MSVOA_Y

ClientSampleId :

VY0212SBS01

Tot Ion:105 Resp: 201441

Ion Ratio Lower Upper

105 100

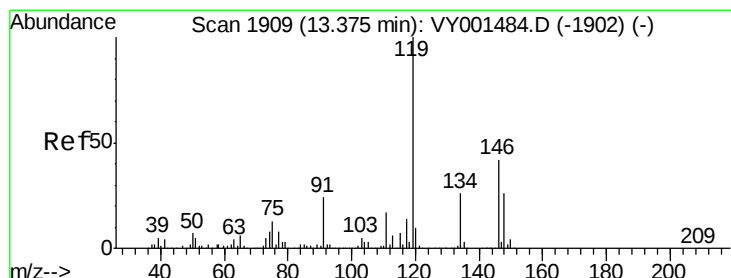
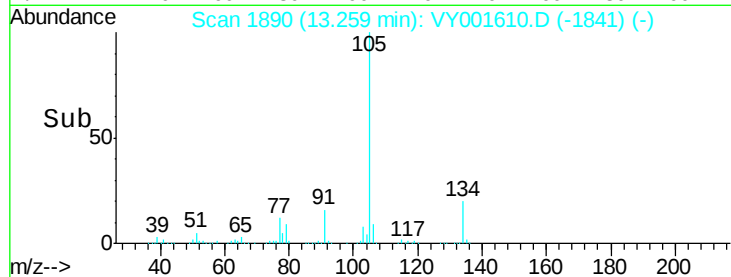
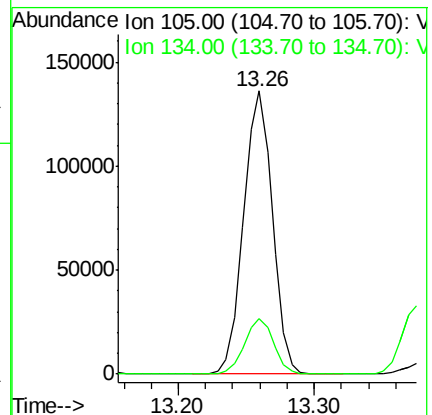
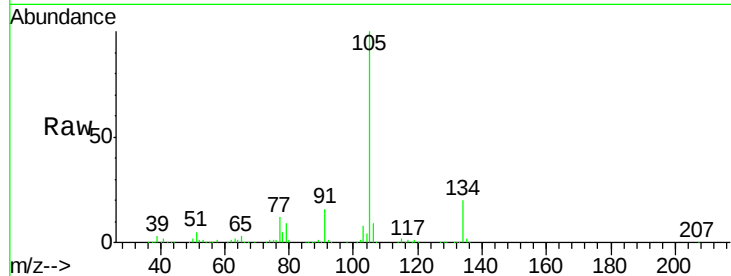
134 20.0 10.0 29.8

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 18.738 ug/l

RT: 13.38 min Scan# 1909

Delta R.T. 0.00 min

Lab File: VY001610.D

Acq: 12 Feb 2020 13:06

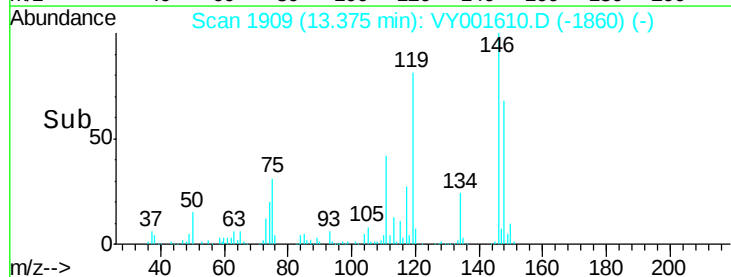
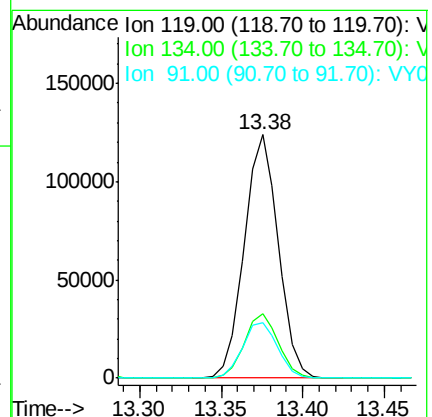
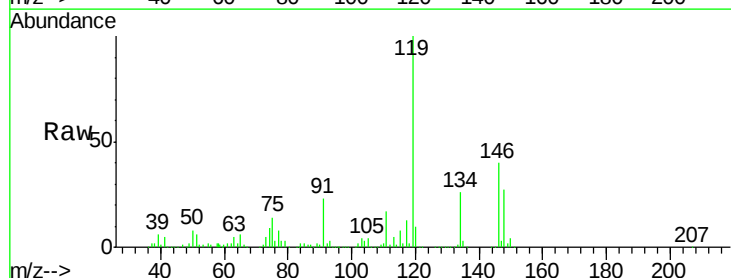
Tgt Ion:119 Resp: 179284

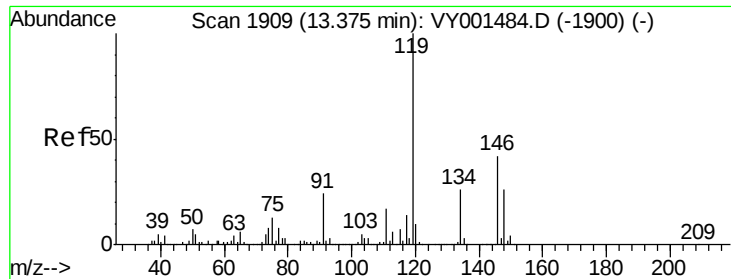
Ion Ratio Lower Upper

119 100

134 26.5 13.3 39.8

91 23.7 12.2 36.6





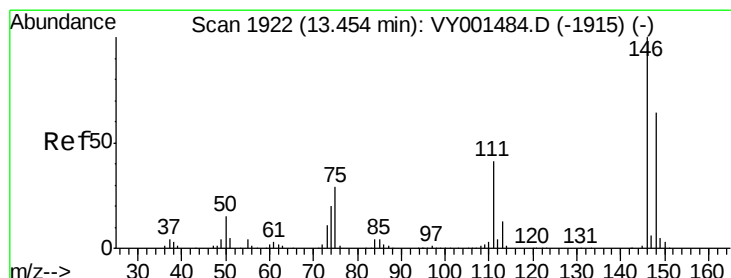
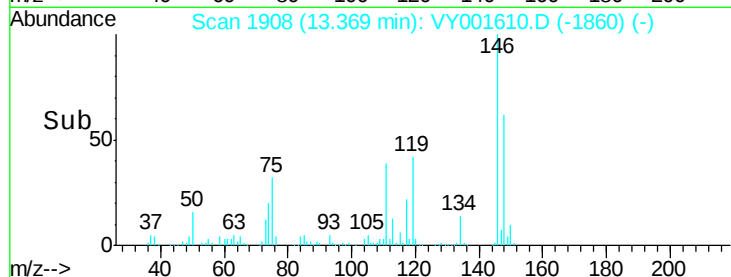
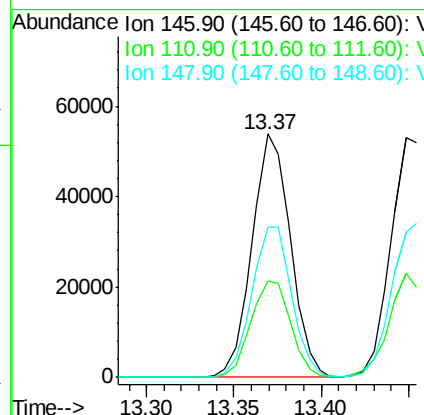
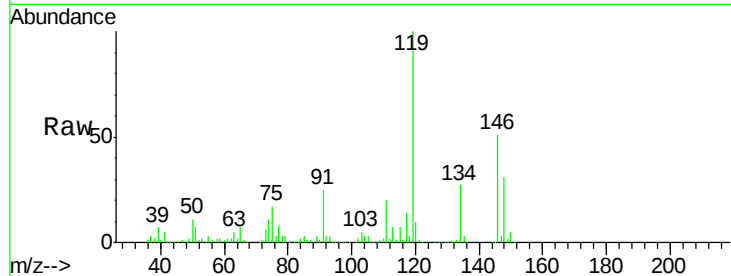
#87
 1,3-Dichlorobenzene
 Concen: 18.439 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. -0.01 min
 Lab File: VY001610.D
 Acq: 12 Feb 2020 13:06

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0212SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	21.3	63.9
148	64.2	31.9	95.7

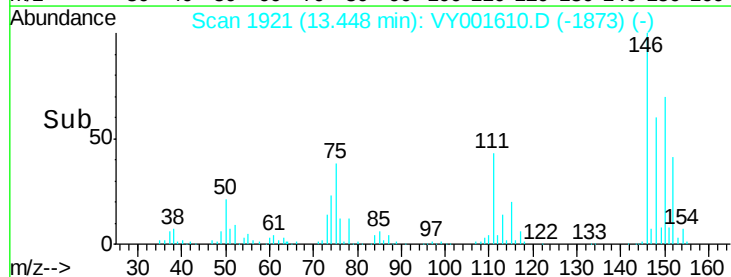
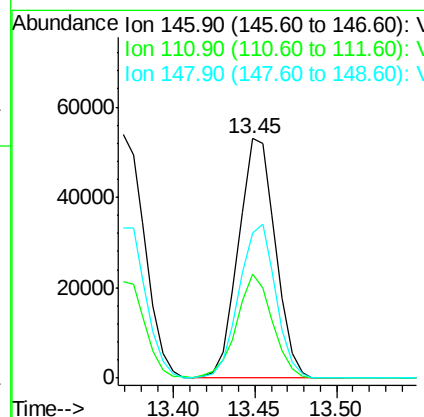
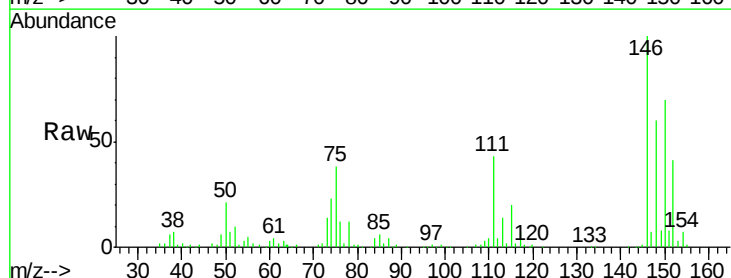
Manual Integrations
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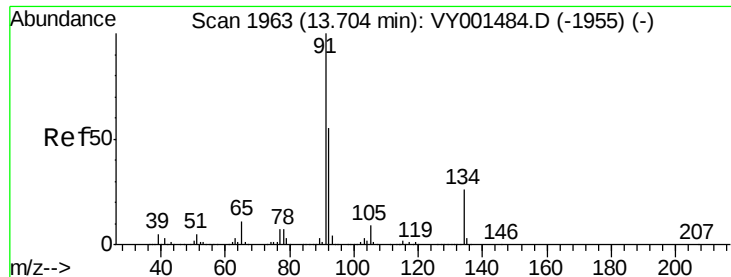
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 2/13/2020 12:27:54 PM



#88
 1,4-Dichlorobenzene
 Concen: 18.549 ug/l
 RT: 13.45 min Scan# 1921
 Delta R.T. -0.01 min
 Lab File: VY001610.D
 Acq: 12 Feb 2020 13:06

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.7	62.1
148	63.6	32.1	96.5





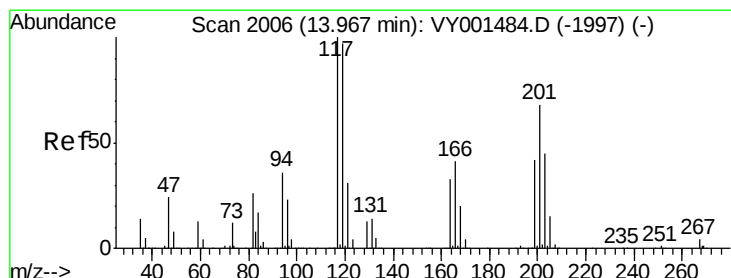
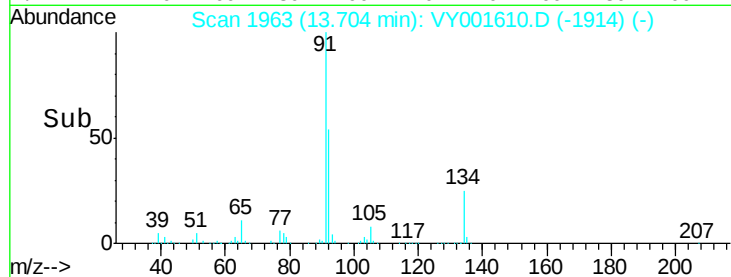
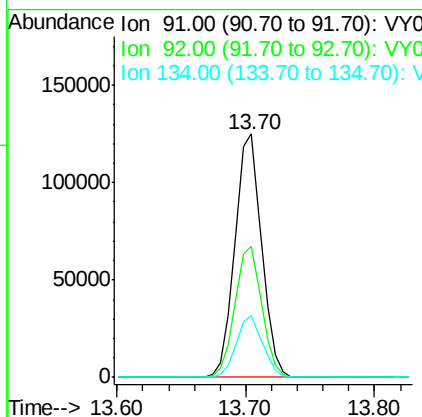
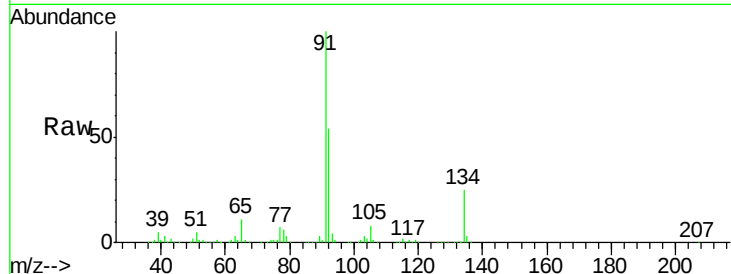
#89
n-Butylbenzene
Concen: 19.086 ug/l
RT: 13.70 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VY001610.D
Acq: 12 Feb 2020 13:06

Instrument :
MSVOA_Y
ClientSampleId :
VY0212SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	180181		
92	54.1	27.3	81.9	
134	24.9	13.0	38.9	

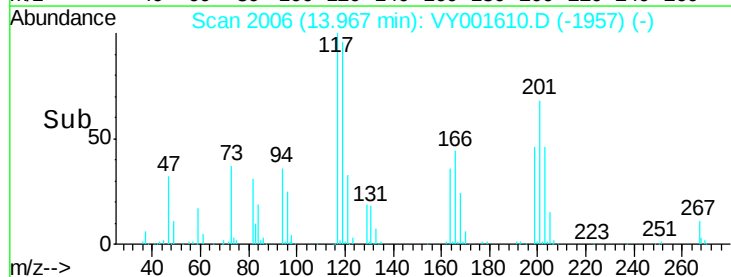
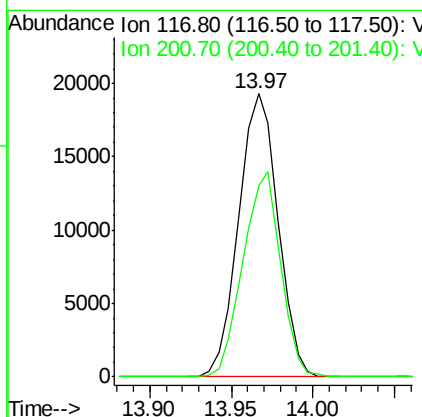
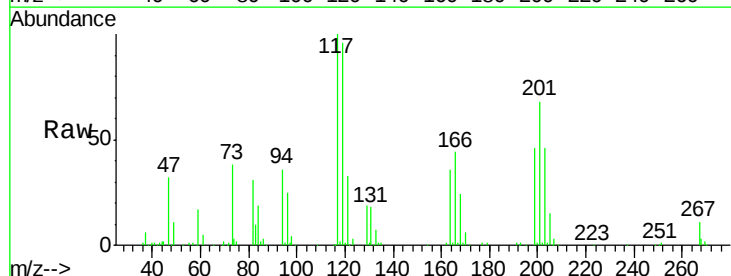
Manual Integrations
APPROVED

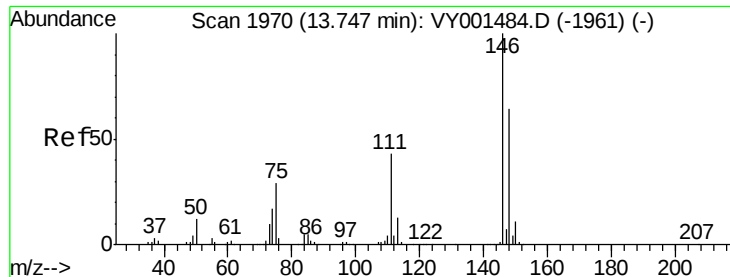
MMDadoda
2/13/2020 12:27:54 PM



#90
Hexachloroethane
Concen: 17.647 ug/l
RT: 13.97 min Scan# 2006
Delta R.T. 0.00 min
Lab File: VY001610.D
Acq: 12 Feb 2020 13:06

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	32407		
201	69.4	34.1	102.3	





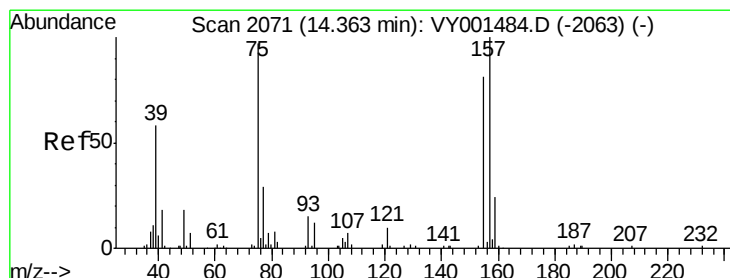
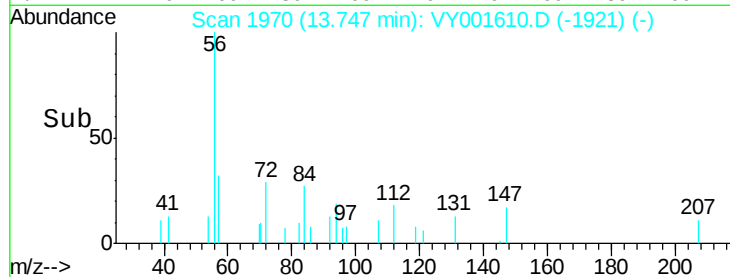
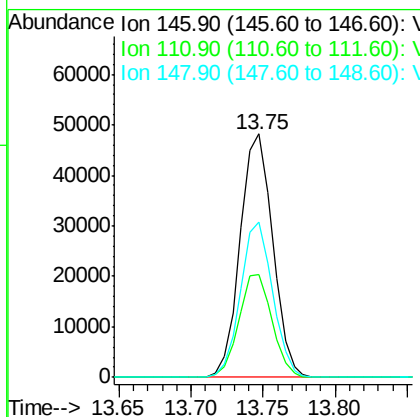
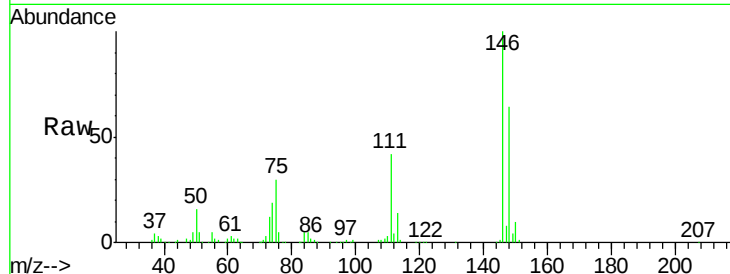
#91
 1,2-Dichlorobenzene
 Concen: 18.617 ug/l
 RT: 13.75 min Scan# 1970
 Delta R.T. 0.00 min
 Lab File: VY001610.D
 Acq: 12 Feb 2020 13:06

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0212SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.9	65.8
148	62.9	31.8	95.3

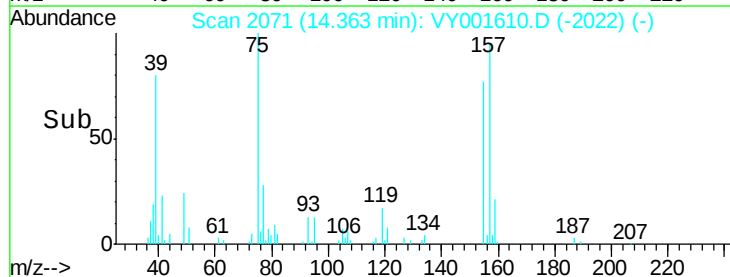
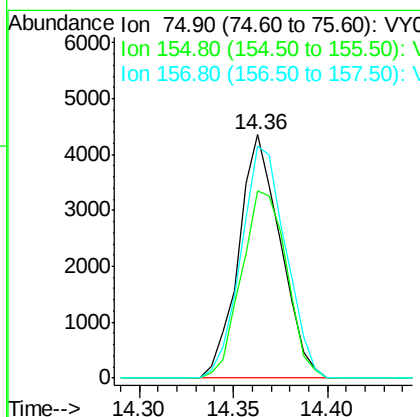
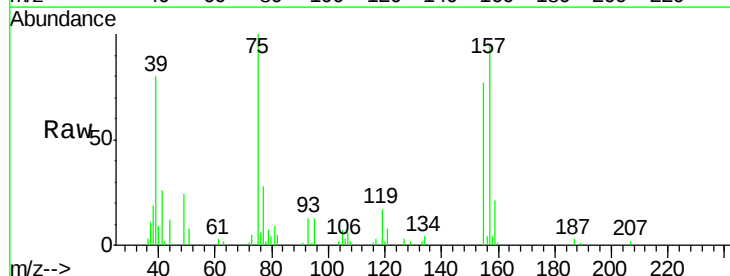
Manual Integrations
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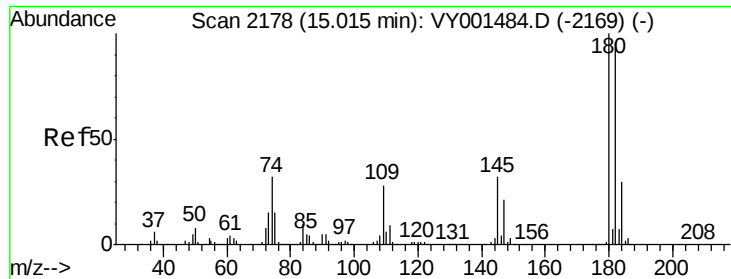
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.611 ug/l
 RT: 14.36 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VY001610.D
 Acq: 12 Feb 2020 13:06

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.0	40.7	122.1
157	101.7	52.3	157.1





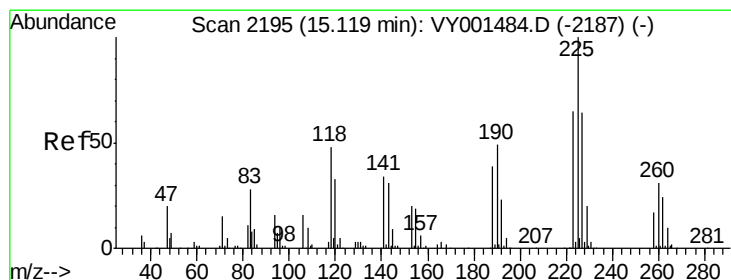
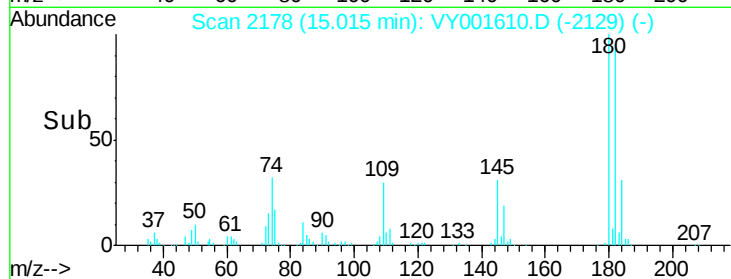
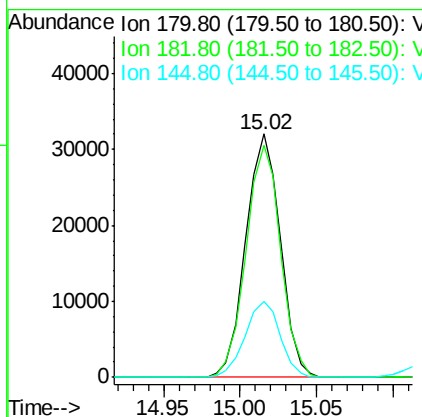
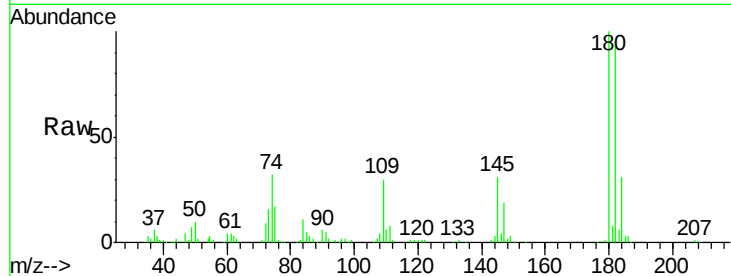
#93
1,2,4-Trichlorobenzene
Concen: 18.349 ug/l
RT: 15.02 min Scan# 2178
Delta R.T. 0.00 min
Lab File: VY001610.D
Acq: 12 Feb 2020 13:06

Instrument :
MSVOA_Y
ClientSampleId :
VY0212SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	46.9	140.7
145	31.8	16.8	50.3

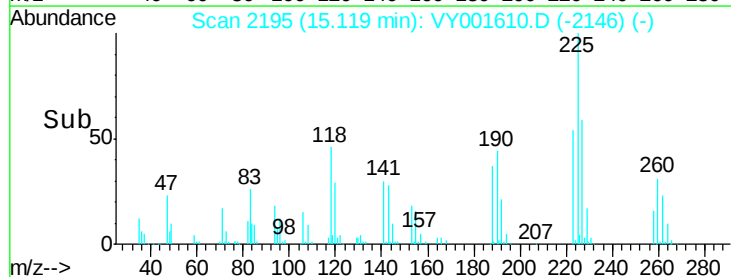
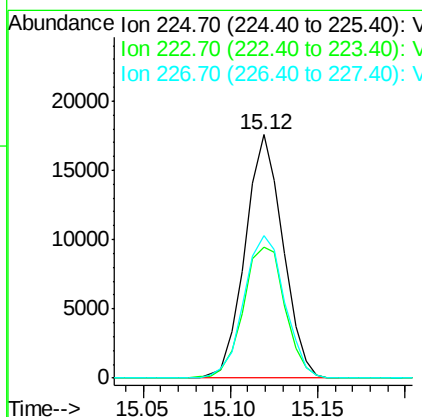
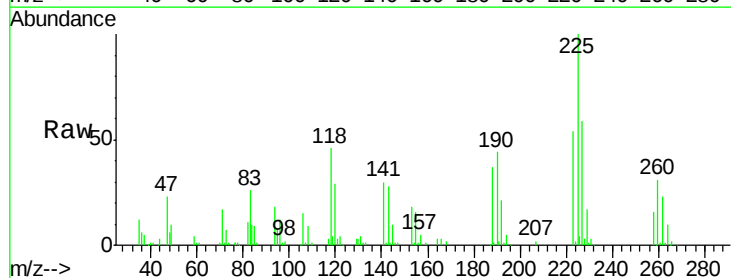
Manual Integrations
APPROVED

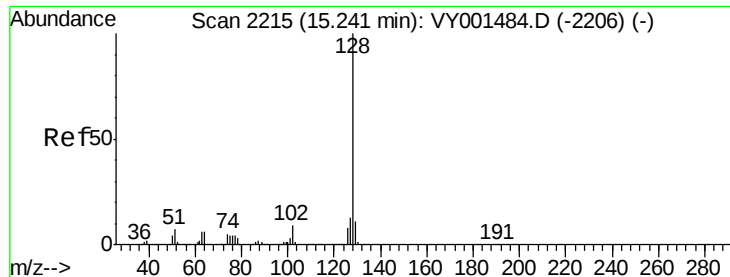
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2/13/2020 12:27:54 PM



#94
Hexachlorobutadiene
Concen: 18.918 ug/l
RT: 15.12 min Scan# 2195
Delta R.T. 0.00 min
Lab File: VY001610.D
Acq: 12 Feb 2020 13:06

Tgt Ion	Ratio	Lower	Upper
225	100		
223	59.9	31.9	95.7
227	63.0	32.6	97.7





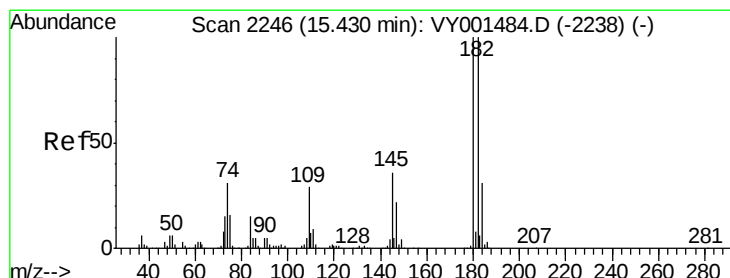
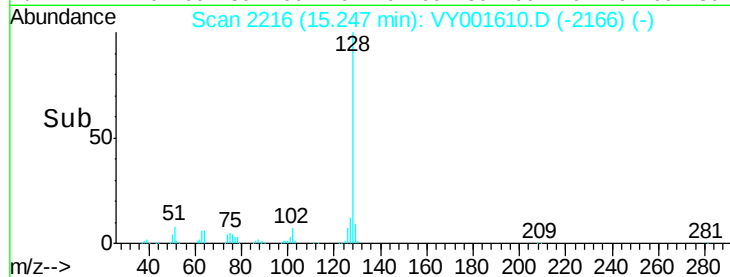
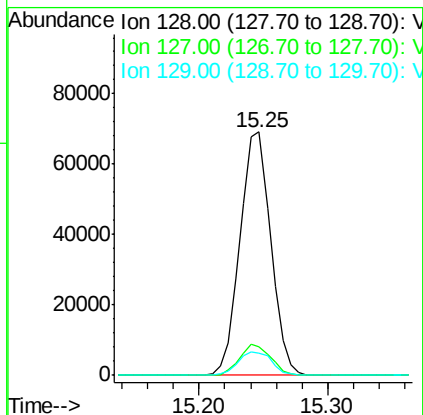
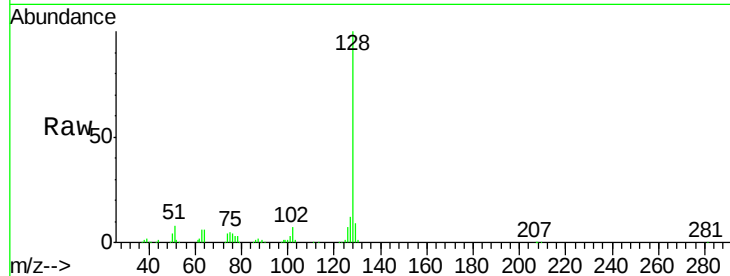
#95
Naphthalene
Concen: 17.736 ug/l
RT: 15.25 min Scan# 2216
Delta R.T. 0.01 min
Lab File: VY001610.D
Acq: 12 Feb 2020 13:06

Instrument :
MSVOA_Y
ClientSampleId :
VY0212SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	114526		
127	12.9		10.1	15.1
129	10.4		8.9	13.3

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 18.764 ug/l
RT: 15.43 min Scan# 2246
Delta R.T. 0.00 min
Lab File: VY001610.D
Acq: 12 Feb 2020 13:06

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	45509		
182	93.0		48.0	144.2
145	32.5		17.8	53.5

