

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY041320\
 Data File : VY002278.D
 Acq On : 13 Apr 2020 14:32
 Operator : SY/MD
 Sample : VY0413SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0413SBS01

Manual Integrations
 APPROVED

MMDadoda
 4/14/2020 10:01:56 AM

Quant Time: Apr 14 09:04:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y040820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 08 15:15:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	173352	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	314983	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	277779	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	129830	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	92713	48.09	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.18%	
35) Dibromofluoromethane	7.74	113	94320	50.32	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.64%	
50) Toluene-d8	10.19	98	393689	50.18	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.36%	
62) 4-Bromofluorobenzene	12.49	95	133710	51.66	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.32%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	32179	18.367	ug/l	100
3) Chloromethane	2.12	50	41792	18.953	ug/l	99
4) Vinyl Chloride	2.26	62	43958	18.730	ug/l	98
5) Bromomethane	2.65	94	27368	18.883	ug/l	97
6) Chloroethane	2.80	64	25770	19.039	ug/l	95
7) Trichlorofluoromethane	3.14	101	59864	19.751	ug/l	98
8) Diethyl Ether	3.54	74	25899	20.100	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.91	101	42283	20.537	ug/l	96
10) Methyl Iodide	4.11	142	46478	19.421	ug/l	97
11) Tert butyl alcohol	4.98	59	22852	89.822	ug/l	97
12) 1,1-Dichloroethene	3.89	96	43178	20.628	ug/l	95
13) Acrolein	3.75	56	21972	88.395	ug/l	100
14) Allyl chloride	4.50	41	67195	19.879	ug/l	99
15) Acrylonitrile	5.19	53	64237	97.488	ug/l	100
16) Acetone	3.97	43	48336	95.197	ug/l	100
17) Carbon Disulfide	4.21	76	137857	19.831	ug/l	99
18) Methyl Acetate	4.50	43	31102	19.748	ug/l	100
19) Methyl tert-butyl Ether	5.24	73	108465	19.711	ug/l	99
20) Methylene Chloride	4.74	84	49293	19.752	ug/l	96
21) trans-1,2-Dichloroethene	5.24	96	46755	19.900	ug/l	96
22) Diisopropyl ether	6.14	45	136043	19.999	ug/l	96
23) Vinyl Acetate	6.08	43	426751	98.446	ug/l	100
24) 1,1-Dichloroethane	6.04	63	77691	20.080	ug/l	99
25) 2-Butanone	7.01	43	77790	96.809	ug/l	99
26) 2,2-Dichloropropane	7.00	77	62729	19.382	ug/l	99
27) cis-1,2-Dichloroethene	7.01	96	51293	20.027	ug/l	98
28) Bromochloromethane	7.35	49	35289	21.129	ug/l	98
29) Tetrahydrofuran	7.36	42	52449	98.745	ug/l	99
30) Chloroform	7.53	83	72818	19.965	ug/l	95
31) Cyclohexane	7.80	56	81704	20.118	ug/l	97
32) 1,1,1-Trichloroethane	7.72	97	60627	19.971	ug/l	99
36) 1,1-Dichloropropene	7.94	75	61959	19.970	ug/l	98
37) Ethyl Acetate	7.10	43	34109	19.244	ug/l	97
38) Carbon Tetrachloride	7.91	117	53231	20.058	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	85168	20.180	ug/l	95
40) Benzene	8.18	78	188594	20.035	ug/l	97
41) Methacrylonitrile	7.33	41	16040m	15.341	ug/l	
42) 1,2-Dichloroethane	8.25	62	45852	19.664	ug/l	100
43) Isopropyl Acetate	8.29	43	62570	19.357	ug/l	99
44) Trichloroethene	8.96	130	52980	19.144	ug/l	93
45) 1,2-Dichloropropane	9.23	63	45560	19.507	ug/l	92
46) Dibromomethane	9.32	93	24086	19.724	ug/l	99
47) Bromodichloromethane	9.51	83	55381	19.765	ug/l	93
48) Methyl methacrylate	9.30	41	28157	19.426	ug/l	100
49) 1,4-Dioxane	9.31	88	6701	387.923	ug/l	98
51) 4-Methyl-2-Pentanone	10.08	43	168508	100.041	ug/l	100
52) Toluene	10.25	92	114588	20.199	ug/l	98
53) t-1,3-Dichloropropene	10.47	75	60698	19.882	ug/l	98
54) cis-1,3-Dichloropropene	9.94	75	73508	20.028	ug/l	99
55) 1,1,2-Trichloroethane	10.65	97	36629	20.488	ug/l	98
56) Ethyl methacrylate	10.52	69	49997	19.594	ug/l	99
57) 1,3-Dichloropropane	10.80	76	61995	19.728	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	132113	99.981	ug/l	99
59) 2-Hexanone	10.84	43	113040	96.697	ug/l	99
60) Dibromochloromethane	10.99	129	38357	20.120	ug/l	99
61) 1,2-Dibromoethane	11.10	107	33821	19.871	ug/l	98
64) Tetrachloroethene	10.73	164	56984	20.290	ug/l	98
65) Chlorobenzene	11.52	112	117444	20.339	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	39051	20.484	ug/l	98
67) Ethyl Benzene	11.60	91	215551	20.391	ug/l	99
68) m/p-Xylenes	11.71	106	162397	41.018	ug/l	98
69) o-Xylene	12.03	106	76142	20.484	ug/l	98
70) Styrene	12.05	104	131057	20.322	ug/l	100
71) Bromoform	12.21	173	21358	20.601	ug/l #	98
73) Isopropylbenzene	12.33	105	207302	20.325	ug/l	100
74) N-amyl acetate	12.15	43	56397	19.479	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.59	83	26337	21.342	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	30455m	20.201	ug/l	
77) Bromobenzene	12.61	156	44985	20.047	ug/l	99
78) n-propylbenzene	12.67	91	252922	19.938	ug/l	100
79) 2-Chlorotoluene	12.76	91	137752	19.982	ug/l	100
80) 1,3,5-Trimethylbenzene	12.82	105	169377	20.079	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	15664	20.208	ug/l	96
82) 4-Chlorotoluene	12.86	91	142687	19.748	ug/l	100
83) tert-Butylbenzene	13.08	119	140566	19.894	ug/l	100
84) 1,2,4-Trimethylbenzene	13.13	105	166595	19.778	ug/l	100
85) sec-Butylbenzene	13.26	105	210141	19.965	ug/l	100
86) p-Isopropyltoluene	13.38	119	182583	20.155	ug/l	100
87) 1,3-Dichlorobenzene	13.37	146	87234	20.059	ug/l	100
88) 1,4-Dichlorobenzene	13.45	146	86214	19.530	ug/l	98
89) n-Butylbenzene	13.70	91	184400	19.858	ug/l	99
90) Hexachloroethane	13.97	117	33262	19.268	ug/l	97
91) 1,2-Dichlorobenzene	13.75	146	79764	20.185	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.36	75	6001	20.107	ug/l	97

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ClientSampleId :
VY0413SBSD01

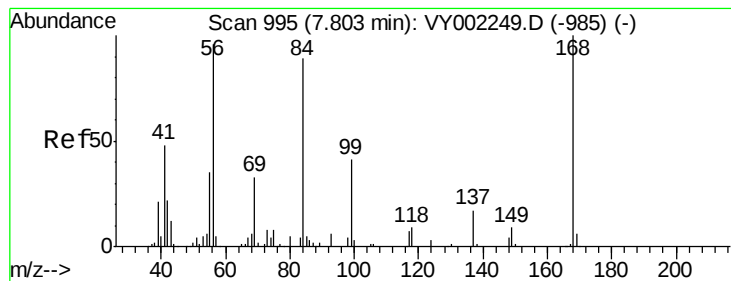
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	51096	19.782	ug/l	98
94) Hexachlorobutadiene	15.12	225	25609	19.685	ug/l	98
95) Naphthalene	15.24	128	110358	19.513	ug/l	99
96) 1,2,3-Trichlorobenzene	15.43	180	42915	19.134	ug/l	99

(#) = 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. 0.01 min

Lab File: VY002278.D

Acq: 13 Apr 2020 14:32

Instrument :

MSVOA_Y

ClientSampleId :

VY0413SBS01

Tot Ion:168 Resp: 173352

Ion Ratio Lower Upper

168 100

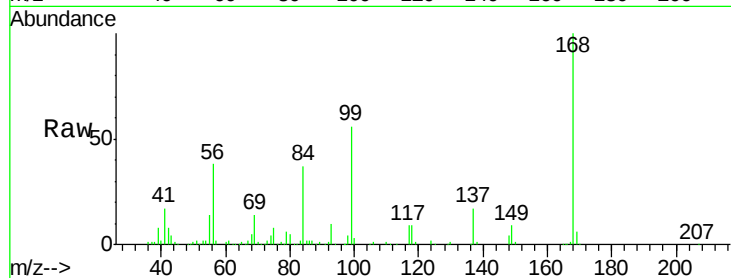
99 56.1 48.0 72.0

Manual Integrations

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4/14/2020 10:01:56 AM



Abundance Ion 167.90 (167.60 to 168.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

7.81

80000

60000

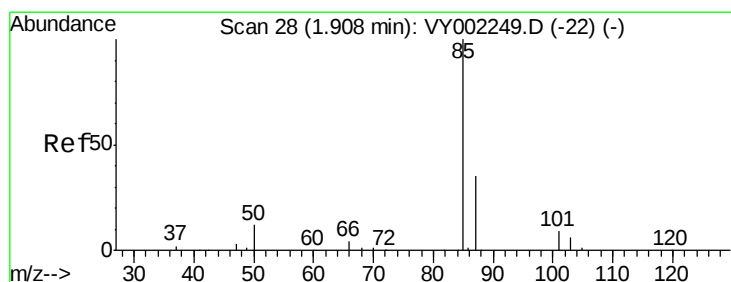
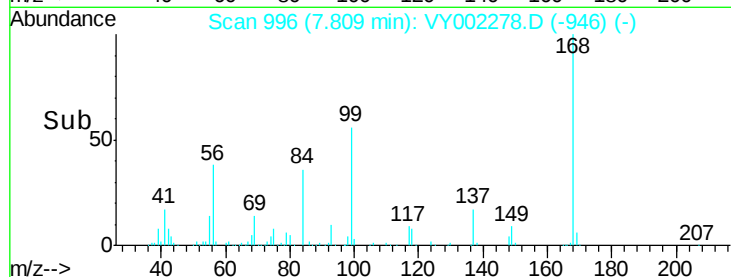
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 18.367 ug/l

RT: 1.91 min Scan# 28

Delta R.T. -0.00 min

Lab File: VY002278.D

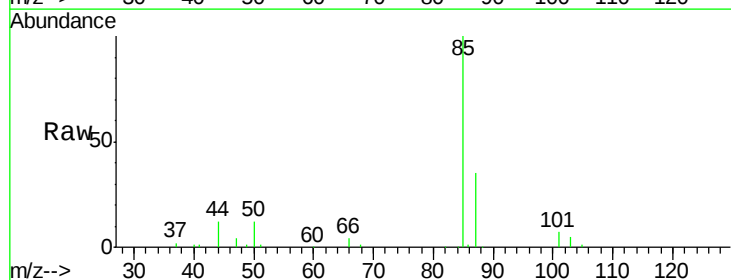
Acq: 13 Apr 2020 14:32

Tgt Ion: 85 Resp: 32179

Ion Ratio Lower Upper

85 100

87 34.6 17.3 51.9



Abundance Ion 84.90 (84.60 to 85.60): VY0

Ion 86.90 (86.60 to 87.60): VY0

1.91

25000

20000

15000

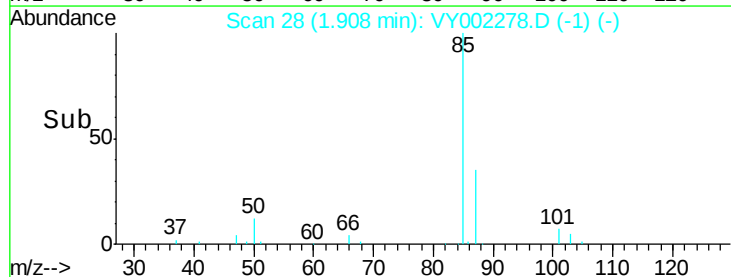
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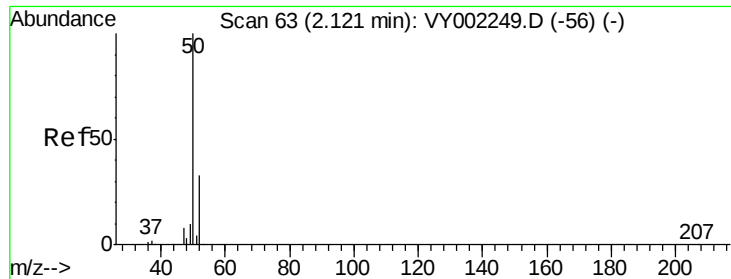
5000

0

1.85 1.90 1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 18.953 ug/l

RT: 2.12 min Scan# 63

Delta R.T. -0.00 min

Lab File: VY002278.D

Acq: 13 Apr 2020 14:32

Instrument :

MSVOA_Y

ClientSampleId :

VY0413SBS01

Tot Ion: 50 Resp: 41792

Ion Ratio Lower Upper

50 100

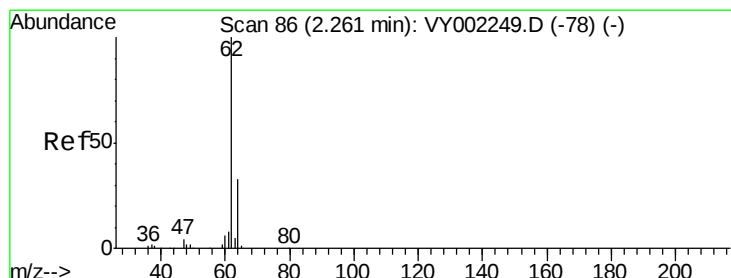
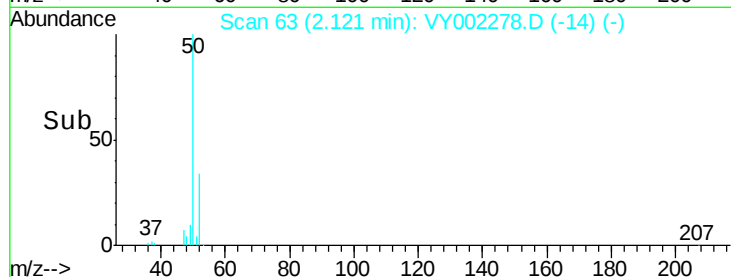
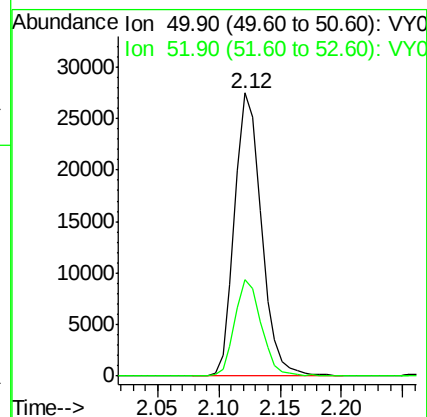
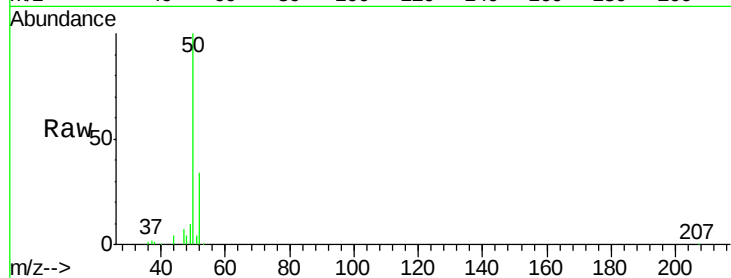
52 33.9 26.6 39.8

Manual Integrations

APPROVED

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#4

Vinyl Chloride

Concen: 18.730 ug/l

RT: 2.26 min Scan# 86

Delta R.T. -0.00 min

Lab File: VY002278.D

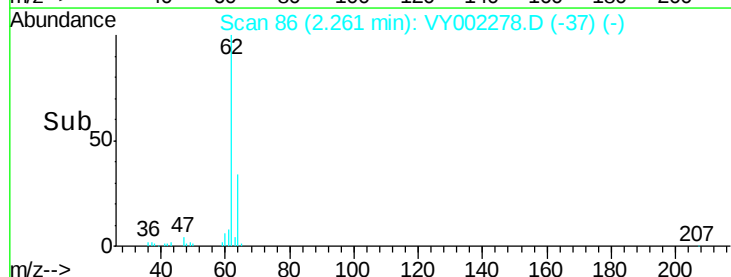
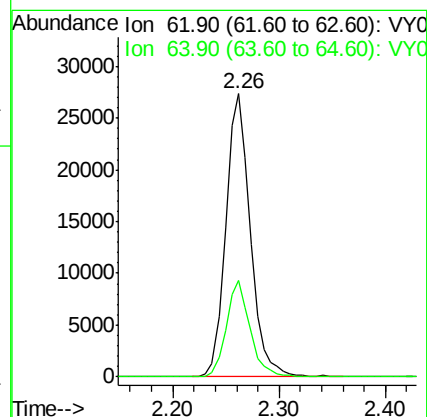
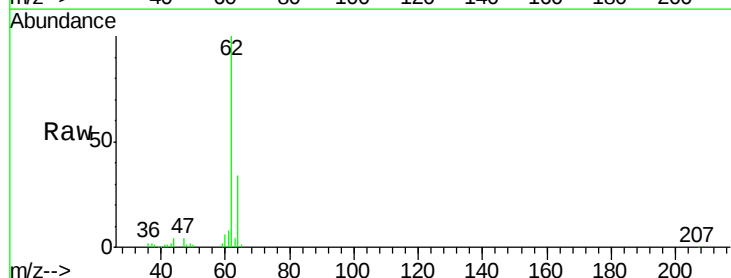
Acq: 13 Apr 2020 14:32

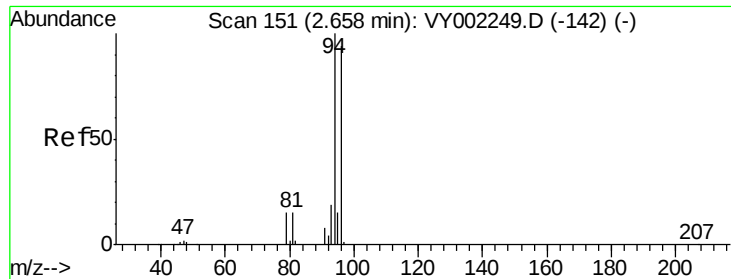
Tgt Ion: 62 Resp: 43958

Ion Ratio Lower Upper

62 100

64 34.0 26.2 39.2





#5

Bromomethane

Concen: 18.883 ug/l

RT: 2.65 min Scan# 150

Delta R.T. -0.01 min

Lab File: VY002278.D

Acq: 13 Apr 2020 14:32

Instrument :

MSVOA_Y

ClientSampleId :

VY0413SBS01

Tot Ion: 94 Resp: 27368

Ion Ratio Lower Upper

94 100

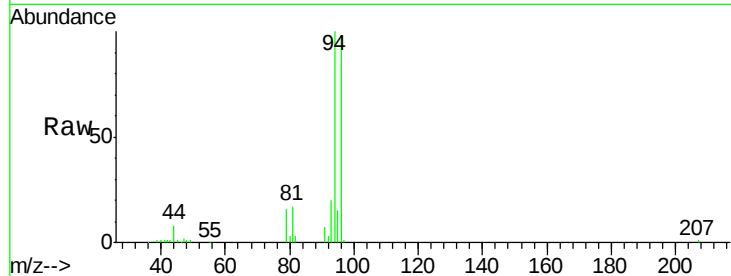
96 97.7 75.6 113.4

Manual Integrations

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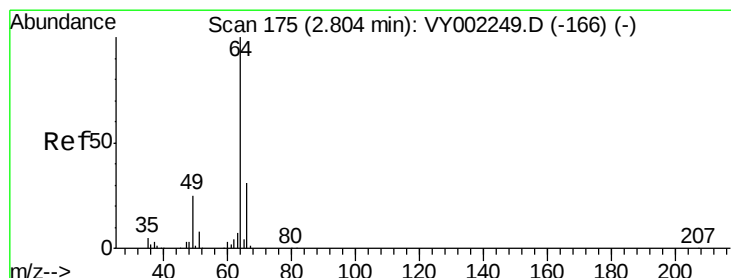
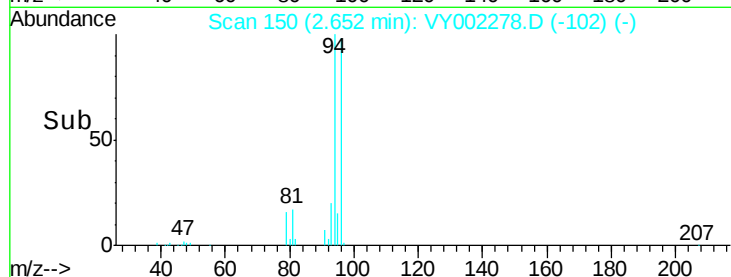
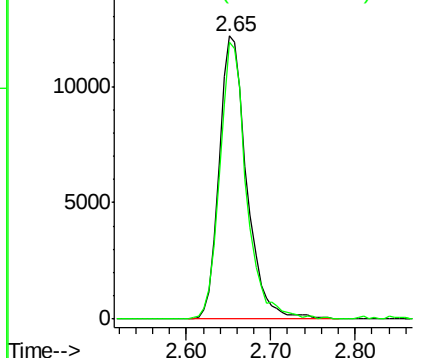
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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 19.039 ug/l

RT: 2.80 min Scan# 175

Delta R.T. -0.00 min

Lab File: VY002278.D

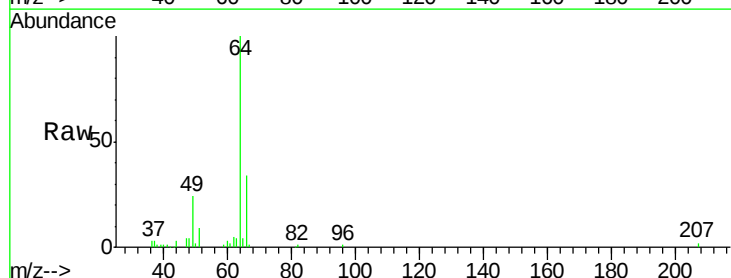
Acq: 13 Apr 2020 14:32

Tgt Ion: 64 Resp: 25770

Ion Ratio Lower Upper

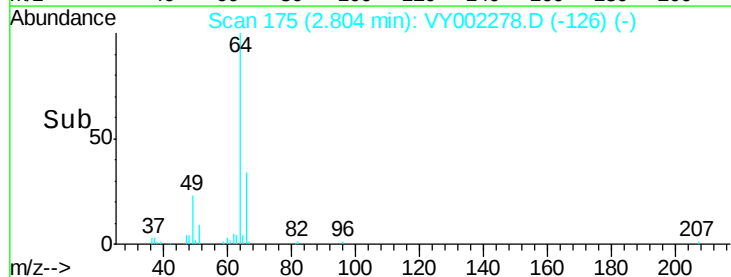
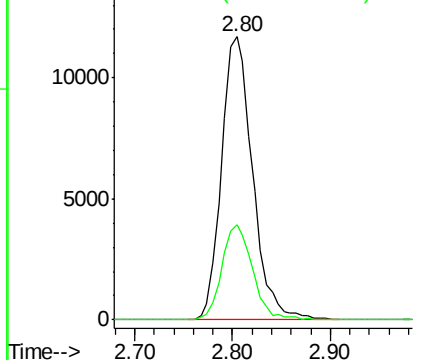
64 100

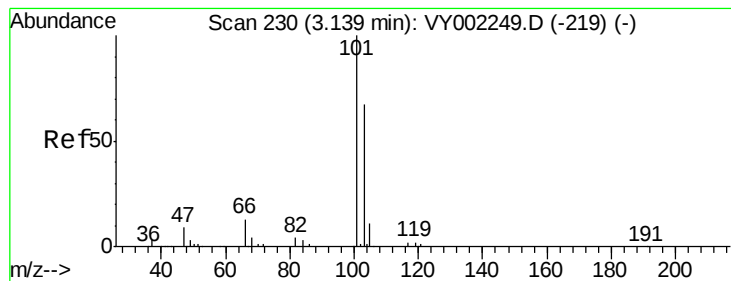
66 33.8 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

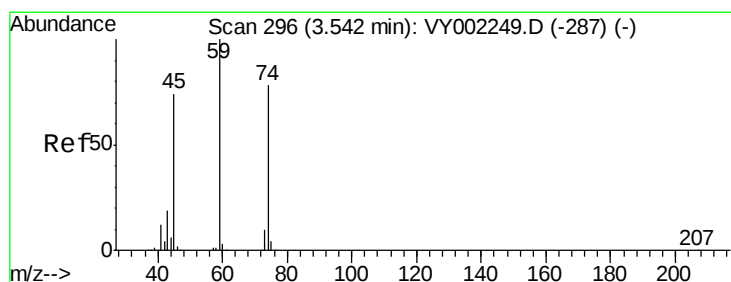
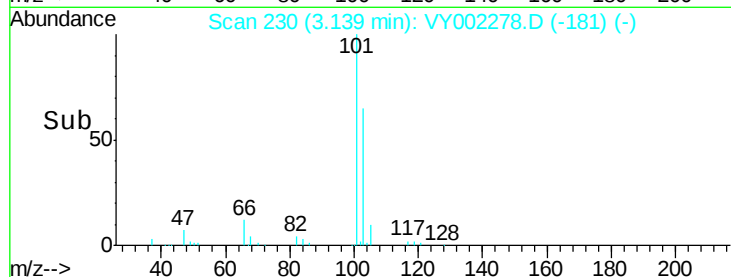
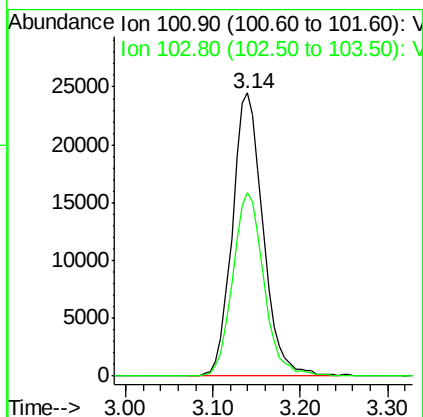
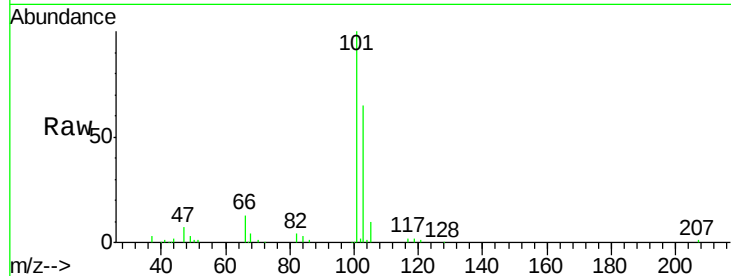
Trichlorofluoromethane
Concen: 19.751 ug/l
RT: 3.14 min Scan# 230
Delta R.T. -0.00 min
Lab File: VY002278.D
Acq: 13 Apr 2020 14:32

Instrument :
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ClientSampleId :
VY0413BSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.9	53.3	79.9

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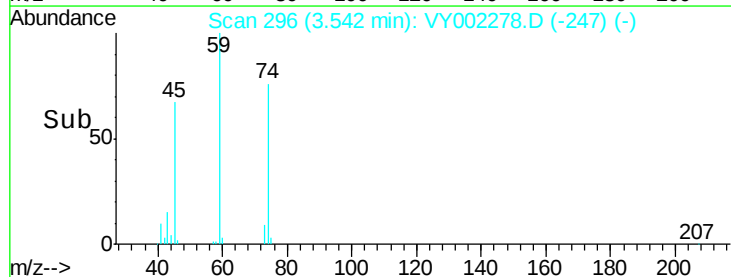
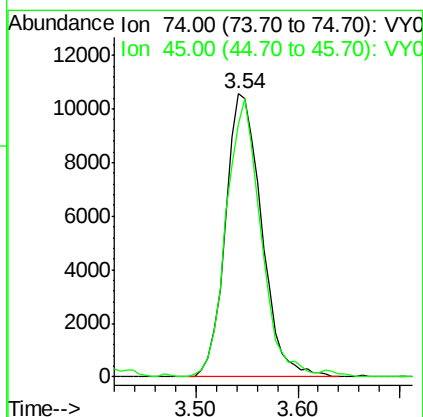
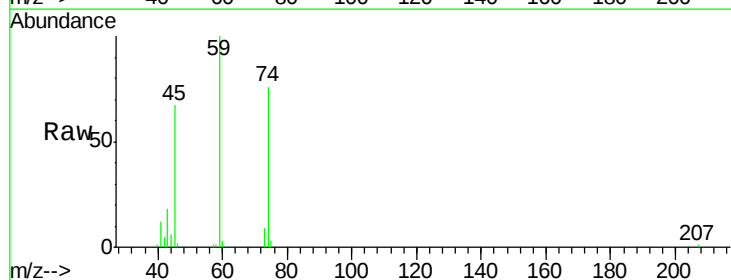
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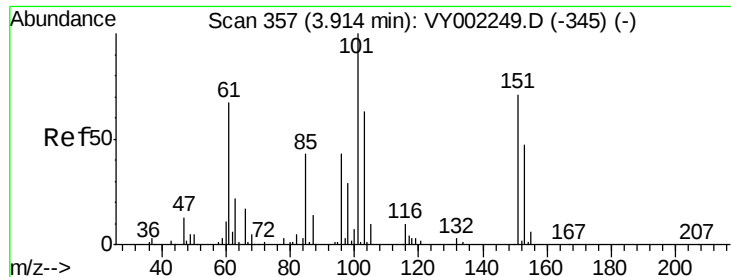


#8

Diethyl Ether
Concen: 20.100 ug/l
RT: 3.54 min Scan# 296
Delta R.T. -0.00 min
Lab File: VY002278.D
Acq: 13 Apr 2020 14:32

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.2	48.0	144.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.537 ug/l

RT: 3.91 min Scan# 357

Delta R.T. -0.00 min

Lab File: VY002278.D

Acq: 13 Apr 2020 14:32

Instrument :

MSVOA_Y

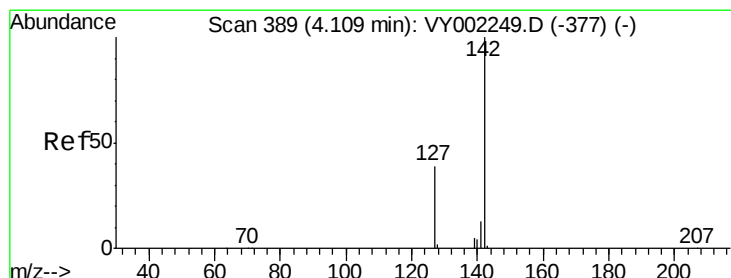
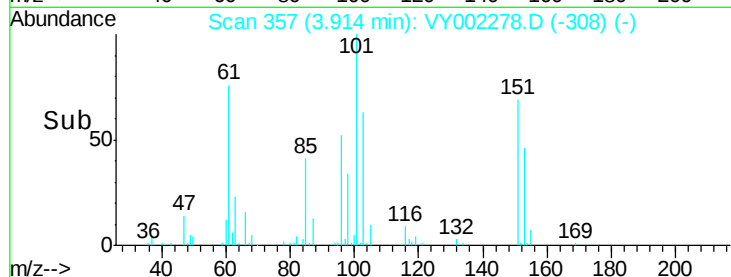
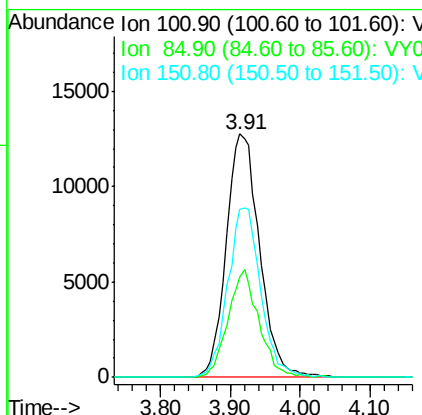
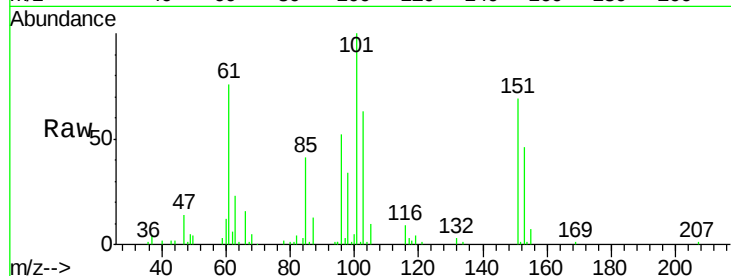
ClientSampleId :

VY0413BSD01

Tot Ion:	101	Resp:	42283
Ion Ratio	Lower	Upper	
101	100		
85	41.0	34.6	52.0
151	68.8	57.6	86.4

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#10

Methyl Iodide

Concen: 19.421 ug/l

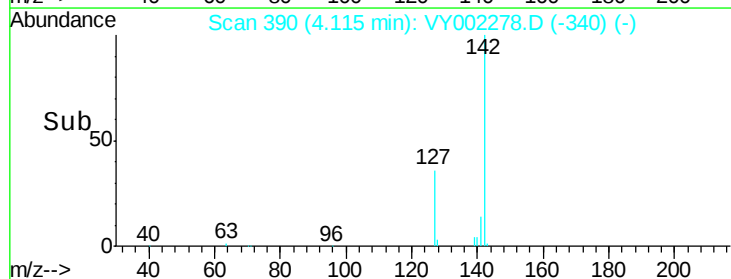
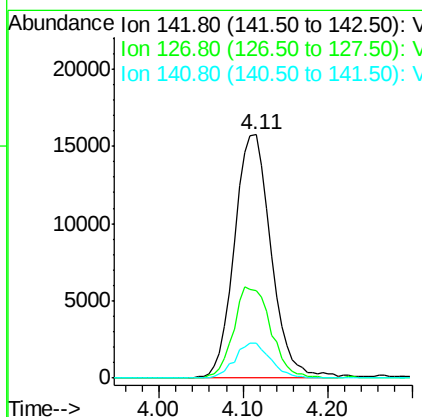
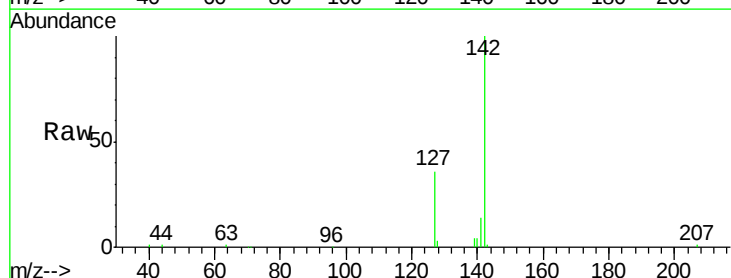
RT: 4.11 min Scan# 390

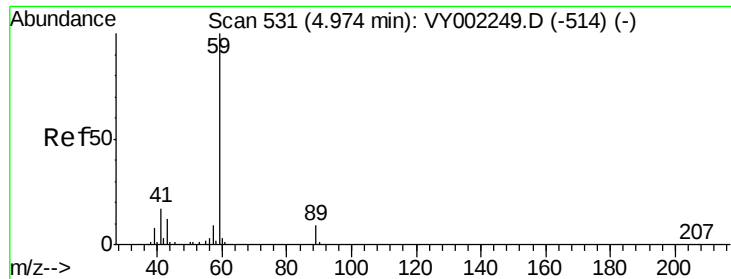
Delta R.T. 0.01 min

Lab File: VY002278.D

Acq: 13 Apr 2020 14:32

Tgt Ion:	142	Resp:	46478
Ion Ratio	Lower	Upper	
142	100		
127	38.0	32.4	48.6
141	13.8	11.2	16.8





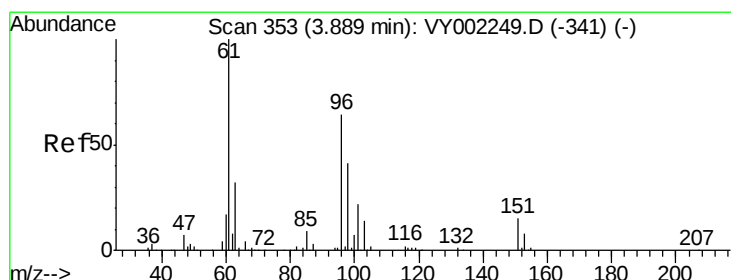
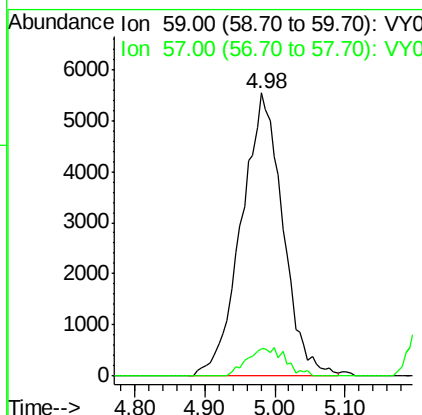
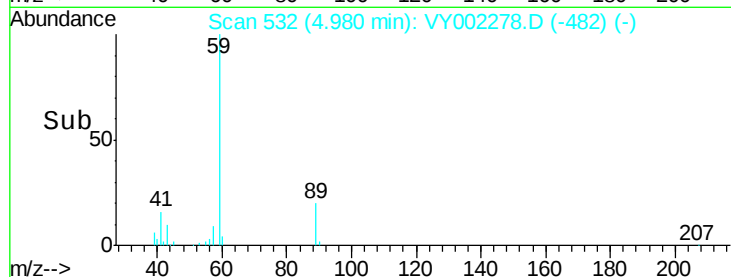
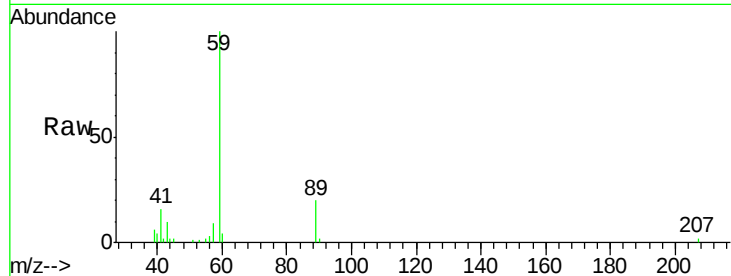
#11
Tert butyl alcohol
Concen: 89.822 ug/l
RT: 4.98 min Scan# 532
Delta R.T. 0.01 min
Lab File: VY002278.D
Acq: 13 Apr 2020 14:32

Instrument :
MSVOA_Y
ClientSampleId :
VY0413SBS01

Tot Ion: 59 Resp: 22852
Ion Ratio Lower Upper
59 100
57 9.2 6.6 9.8

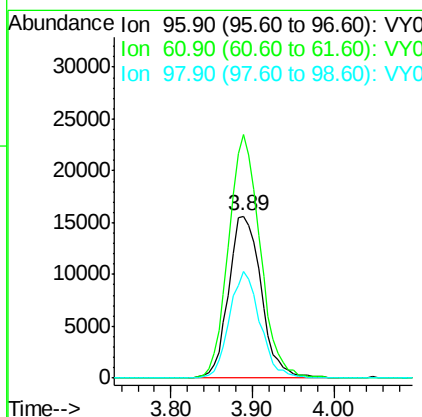
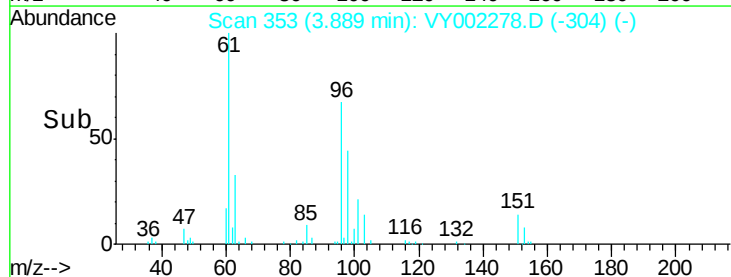
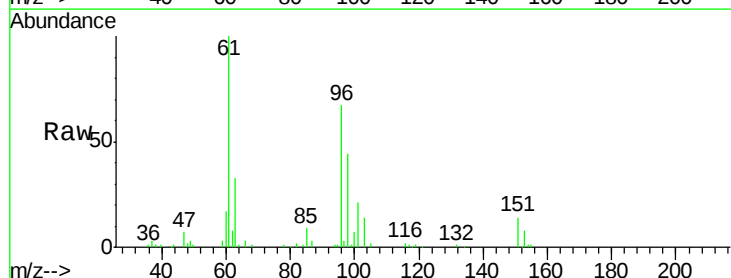
Manual Integrations
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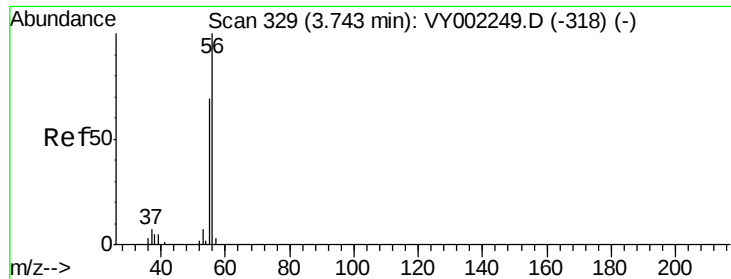
MMDadoda
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#12
1,1-Dichloroethene
Concen: 20.628 ug/l
RT: 3.89 min Scan# 353
Delta R.T. -0.00 min
Lab File: VY002278.D
Acq: 13 Apr 2020 14:32

Tgt Ion: 96 Resp: 43178
Ion Ratio Lower Upper
96 100
61 150.3 125.9 188.9
98 65.9 51.1 76.7





#13

Acrolein

Concen: 88.395 ug/l

RT: 3.75 min Scan# 330

Delta R.T. 0.01 min

Lab File: VY002278.D

Acq: 13 Apr 2020 14:32

Instrument :

MSVOA_Y

ClientSampleId :

VY0413BSD01

Tot Ion: 56 Resp: 21972

Ion Ratio Lower Upper

56 100

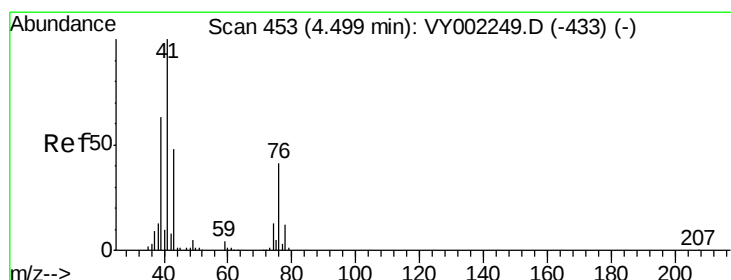
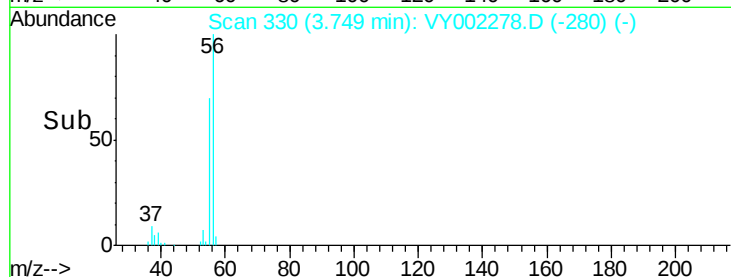
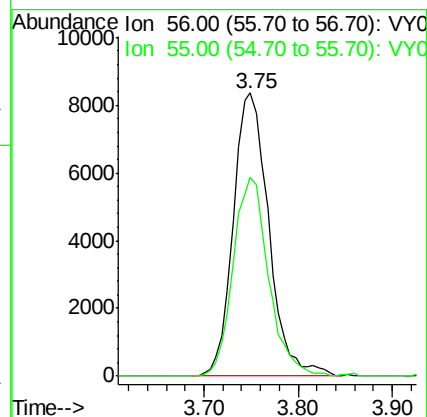
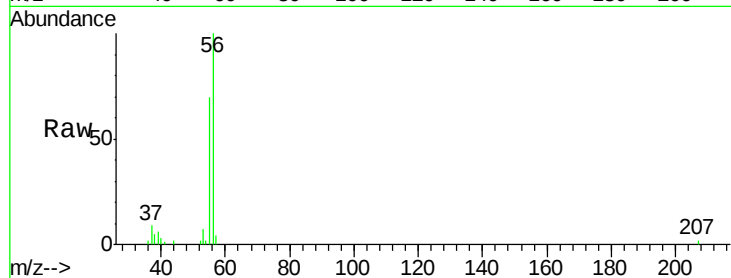
55 70.0 55.8 83.8

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#14

Allyl chloride

Concen: 19.879 ug/l

RT: 4.50 min Scan# 454

Delta R.T. 0.01 min

Lab File: VY002278.D

Acq: 13 Apr 2020 14:32

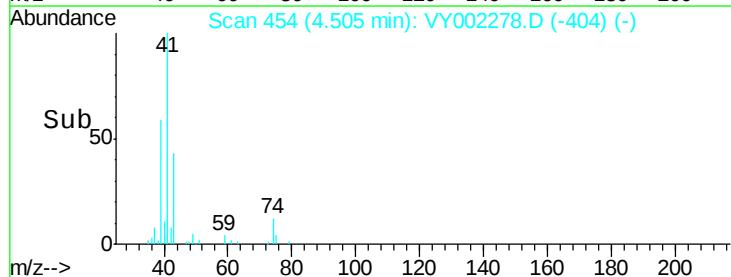
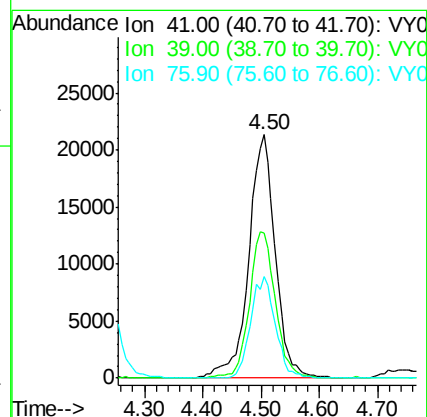
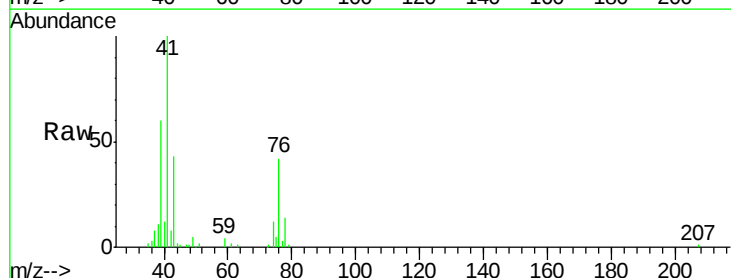
Tgt Ion: 41 Resp: 67195

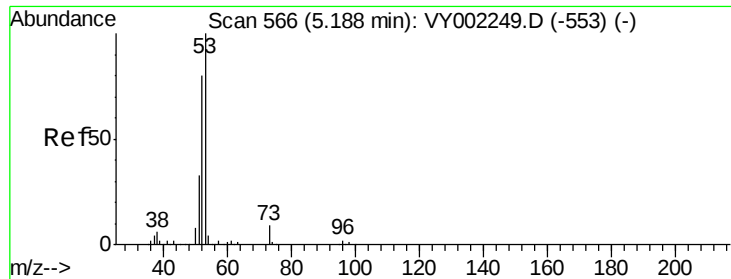
Ion Ratio Lower Upper

41 100

39 58.7 48.0 72.0

76 38.8 31.0 46.6





#15

Acrylonitrile

Concen: 97.488 ug/l

RT: 5.19 min Scan# 566

Delta R.T. -0.00 min

Lab File: VY002278.D

Acq: 13 Apr 2020 14:32

Instrument :

MSVOA_Y

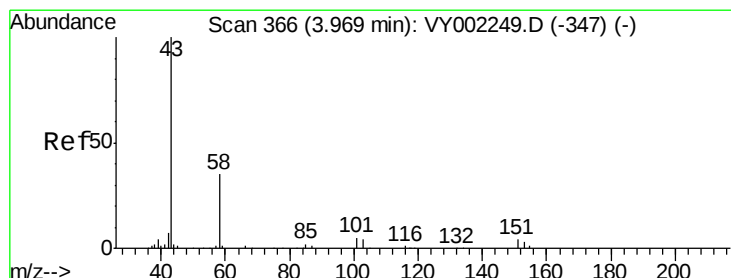
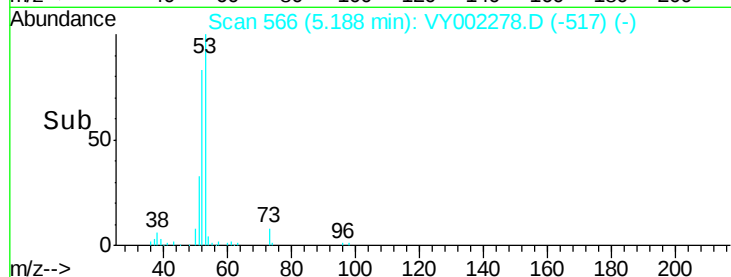
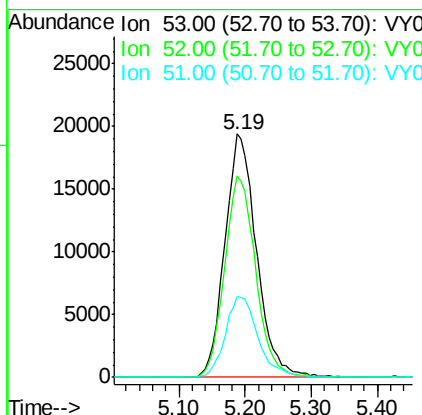
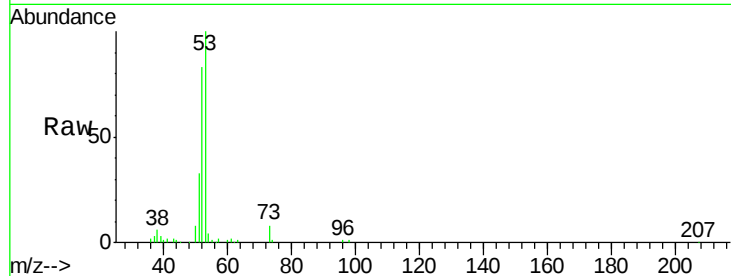
ClientSampleId :

VY0413BSD01

Tot Ion:	53	Resp:	64237
Ion	Ratio	Lower	Upper
53	100		
52	81.1	65.1	97.7
51	34.4	27.1	40.7

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#16

Acetone

Concen: 95.197 ug/l

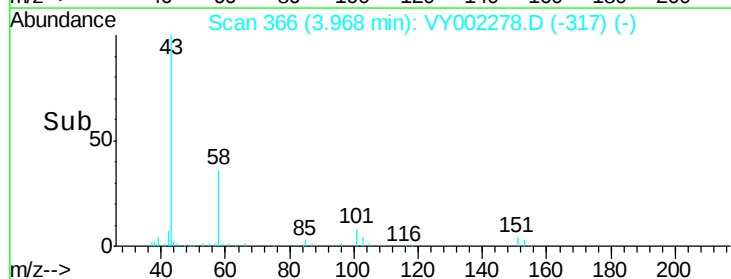
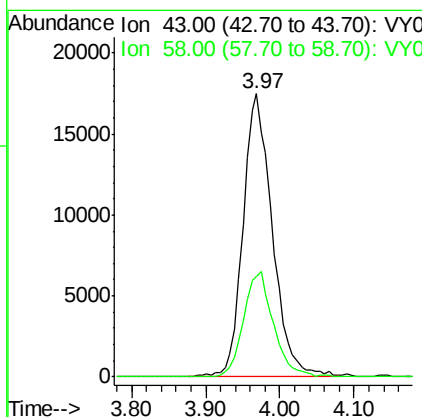
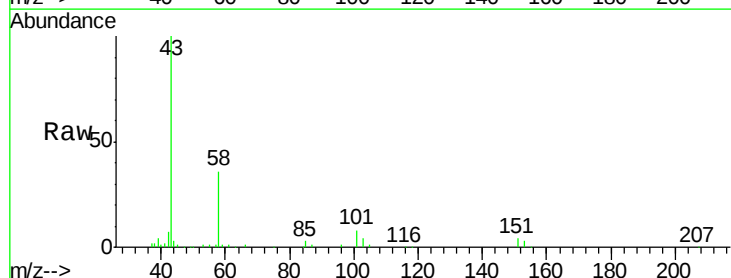
RT: 3.97 min Scan# 366

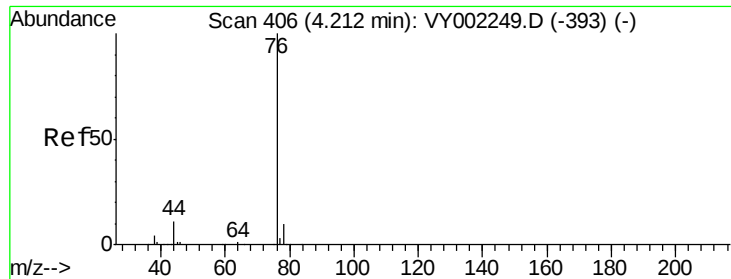
Delta R.T. -0.00 min

Lab File: VY002278.D

Acq: 13 Apr 2020 14:32

Tgt Ion:	43	Resp:	48336
Ion	Ratio	Lower	Upper
43	100		
58	35.7	28.5	42.7





#17

Carbon Disulfide

Concen: 19.831 ug/l

RT: 4.21 min Scan# 406

Delta R.T. -0.00 min

Lab File: VY002278.D

Acq: 13 Apr 2020 14:32

Instrument :

MSVOA_Y

ClientSampleId :

VY0413SBS01

Tot Ion: 76 Resp: 137857

Ion Ratio Lower Upper

76 100

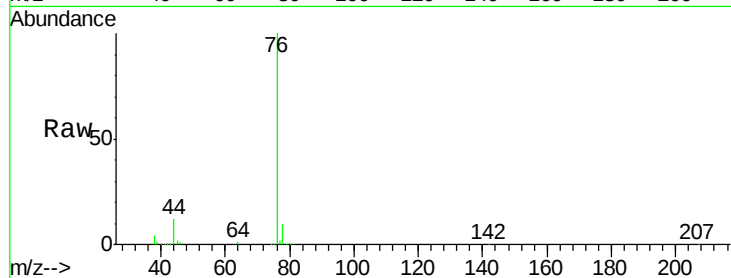
78 10.0 7.7 11.5

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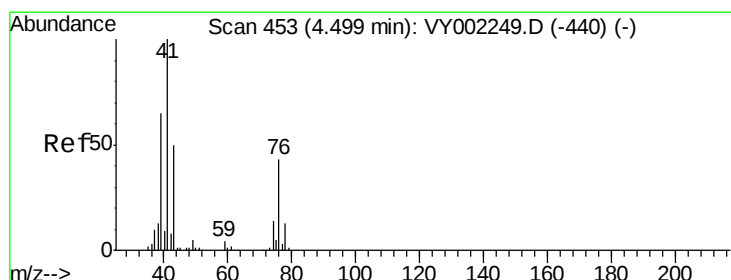
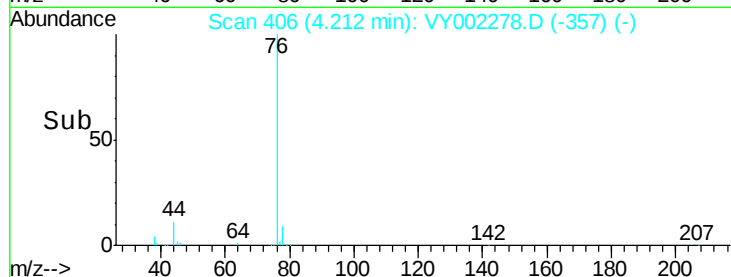
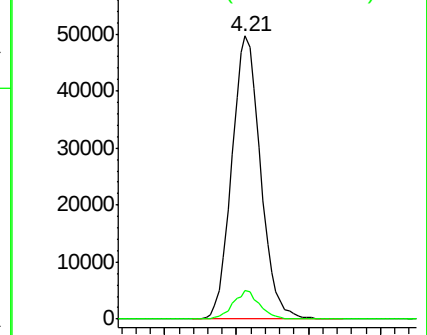
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Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#18

Methyl Acetate

Concen: 19.748 ug/l

RT: 4.50 min Scan# 453

Delta R.T. -0.00 min

Lab File: VY002278.D

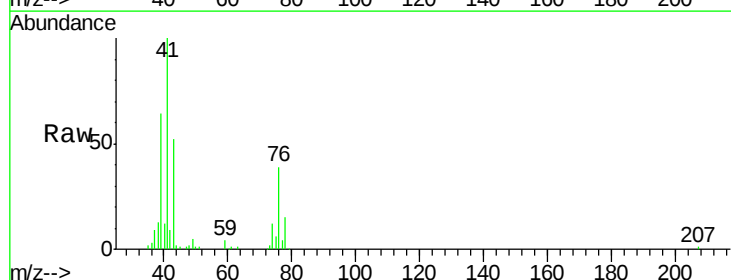
Acq: 13 Apr 2020 14:32

Tgt Ion: 43 Resp: 31102

Ion Ratio Lower Upper

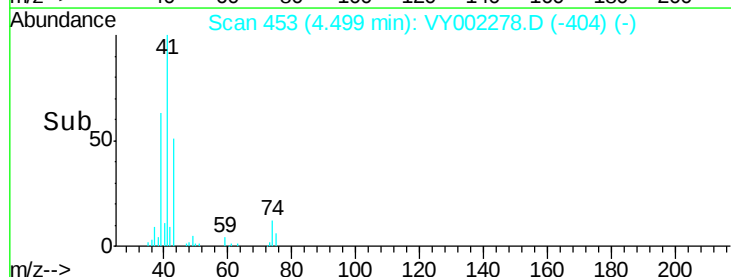
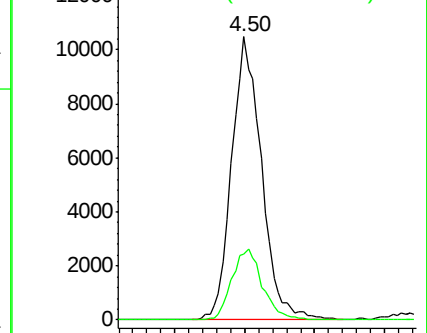
43 100

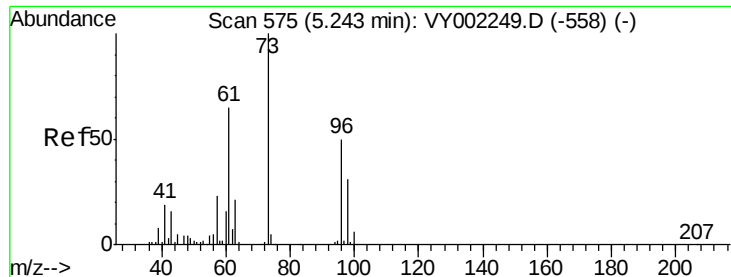
74 25.6 20.3 30.5



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0





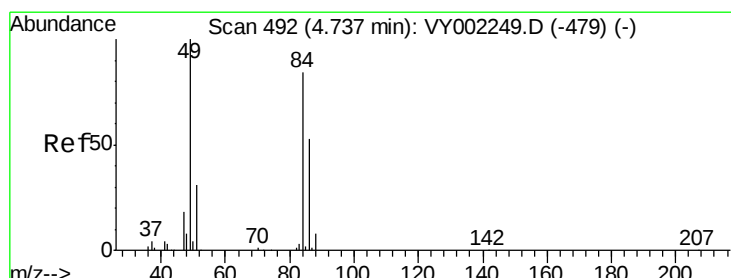
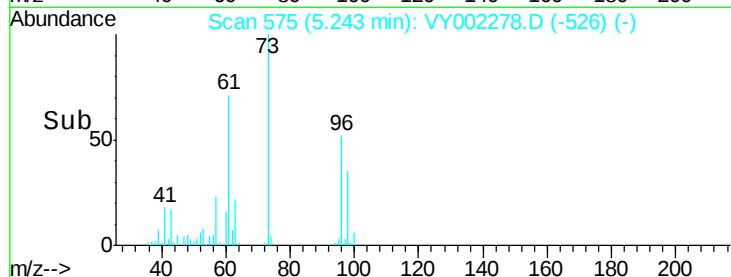
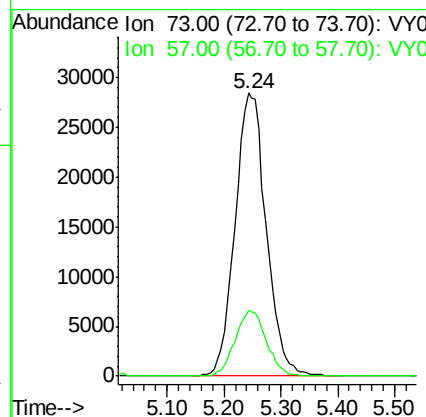
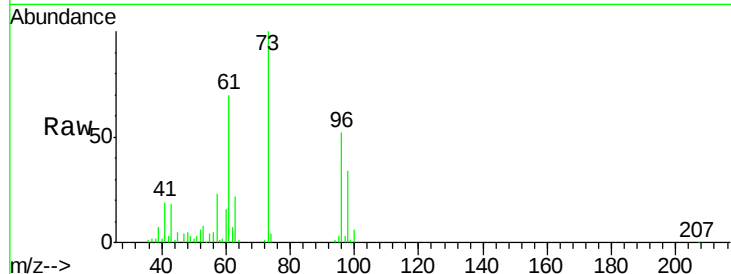
#19
Methvl tert-butvl Ether
Concen: 19.711 ug/l
RT: 5.24 min Scan# 575
Delta R.T. -0.00 min
Lab File: VY002278.D
Acq: 13 Apr 2020 14:32

Instrument :
MSVOA_Y
ClientSampleId :
VY0413SBS01

Tot Ion: 73 Resp: 108465
Ion Ratio Lower Upper
73 100
57 23.0 18.7 28.1

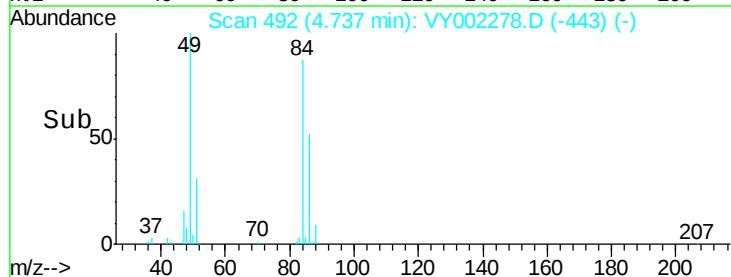
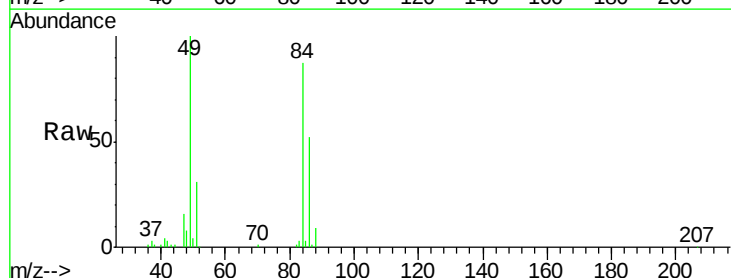
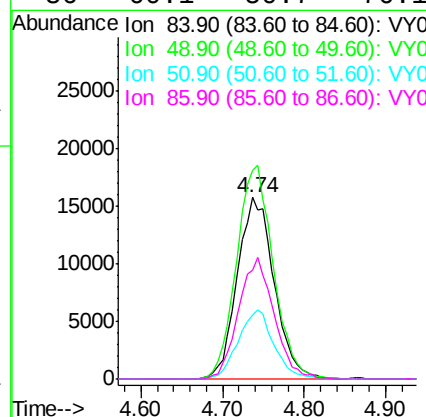
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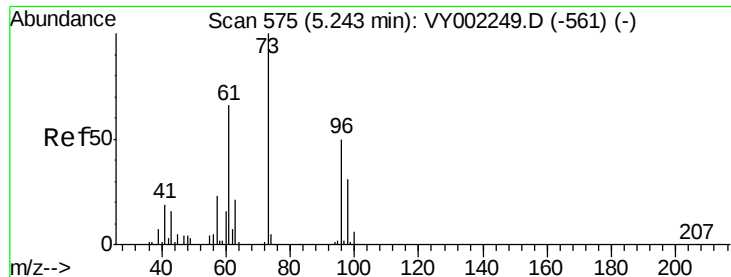
MMDadoda
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#20
Methylene Chloride
Concen: 19.752 ug/l
RT: 4.74 min Scan# 492
Delta R.T. -0.00 min
Lab File: VY002278.D
Acq: 13 Apr 2020 14:32

Tgt Ion: 84 Resp: 49293
Ion Ratio Lower Upper
84 100
49 115.2 95.5 143.3
51 35.3 29.5 44.3
86 60.1 50.7 76.1





#21

trans-1,2-Dichloroethene

Concen: 19.900 ug/l

RT: 5.24 min Scan# 575

Delta R.T. -0.00 min

Lab File: VY002278.D

Acq: 13 Apr 2020 14:32

Instrument :

MSVOA_Y

ClientSampleId :

VY0413BSD01

Tot Ion: 96 Resp: 46755

Ion Ratio Lower Upper

96 100

61 135.2 104.6 157.0

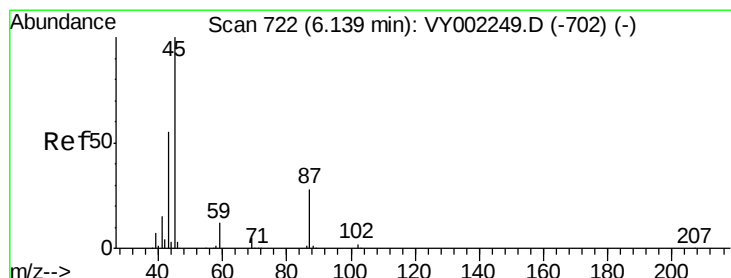
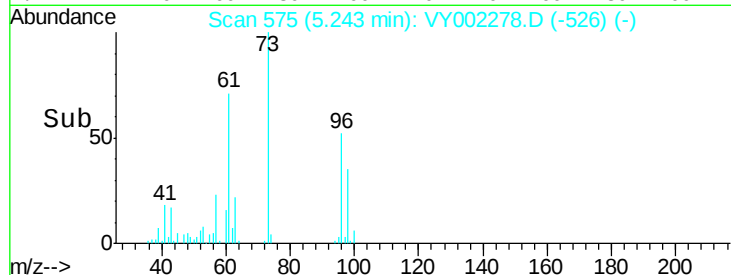
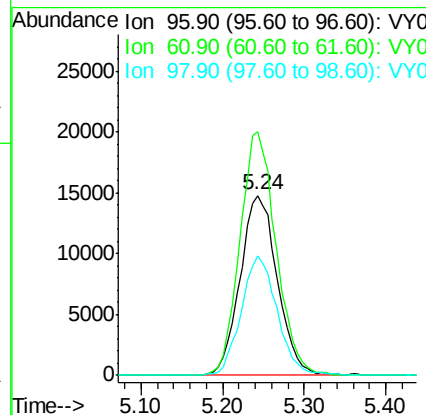
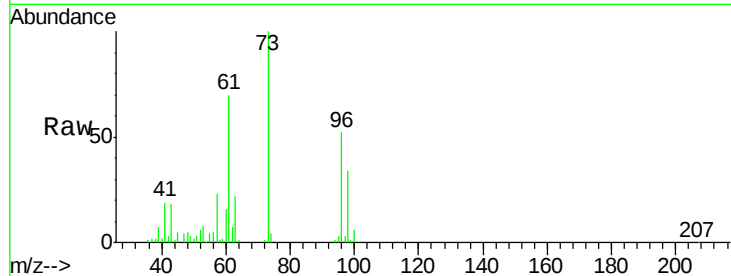
98 66.1 50.1 75.1

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#22

Diisopropyl ether

Concen: 19.999 ug/l

RT: 6.14 min Scan# 723

Delta R.T. 0.01 min

Lab File: VY002278.D

Acq: 13 Apr 2020 14:32

Tgt Ion: 45 Resp: 136043

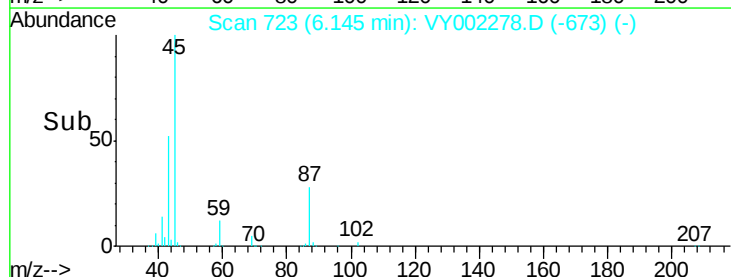
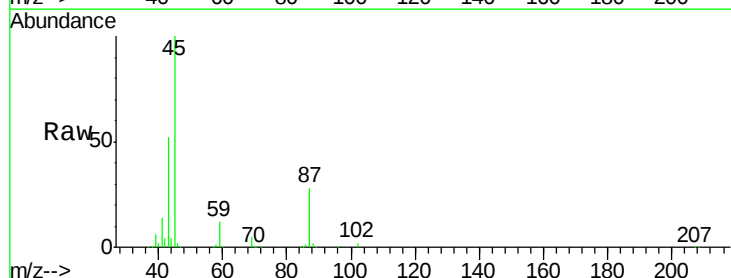
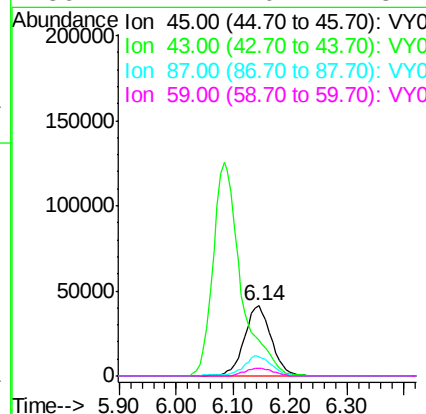
Ion Ratio Lower Upper

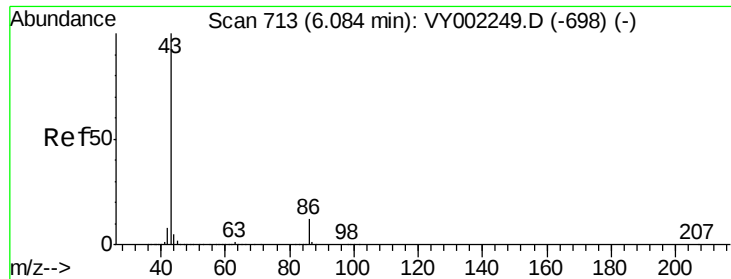
45 100

43 51.9 44.7 67.1

87 27.9 23.0 34.4

59 11.7 10.1 15.1





#23

Vinyl Acetate

Concen: 98.446 ug/l

RT: 6.08 min Scan# 713

Delta R.T. -0.00 min

Lab File: VY002278.D

Acq: 13 Apr 2020 14:32

Instrument :

MSVOA_Y

ClientSampleId :

VY0413BSD01

Tot Ion: 43 Resp: 426751

Ion Ratio Lower Upper

43 100

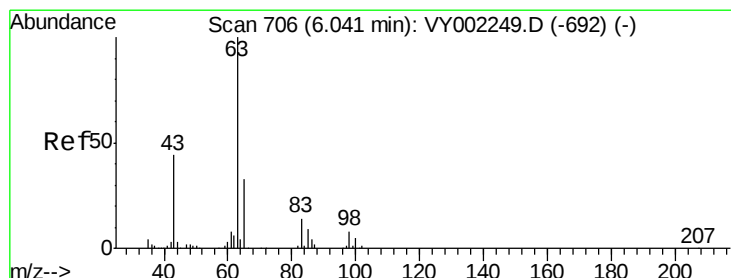
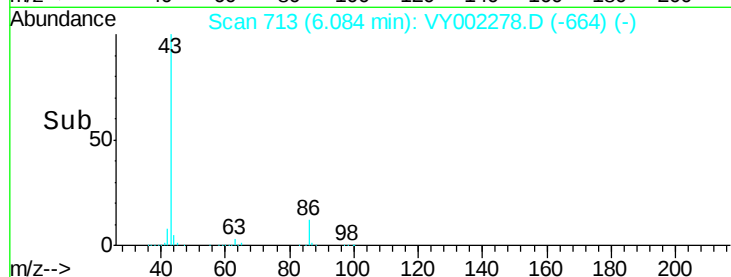
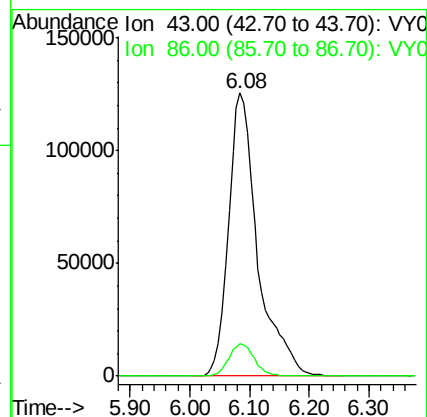
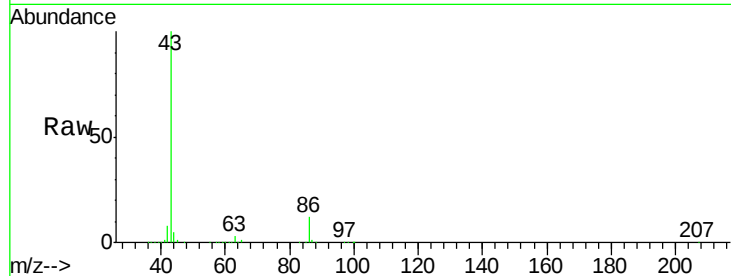
86 11.6 9.2 13.8

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 20.080 ug/l

RT: 6.04 min Scan# 706

Delta R.T. -0.00 min

Lab File: VY002278.D

Acq: 13 Apr 2020 14:32

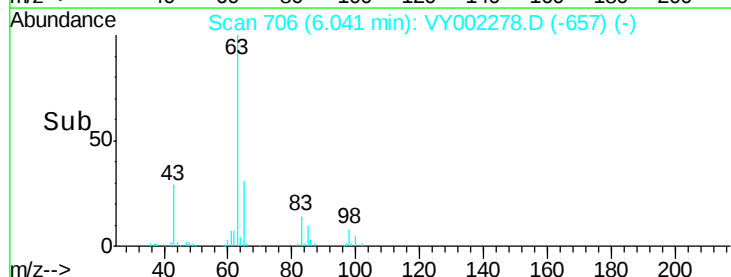
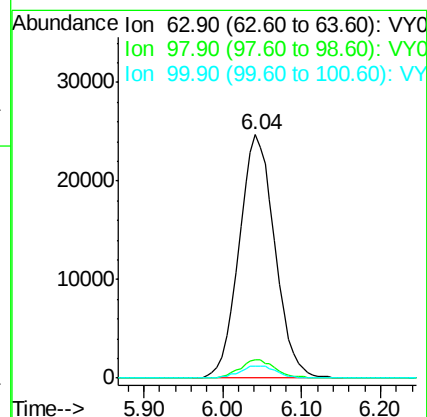
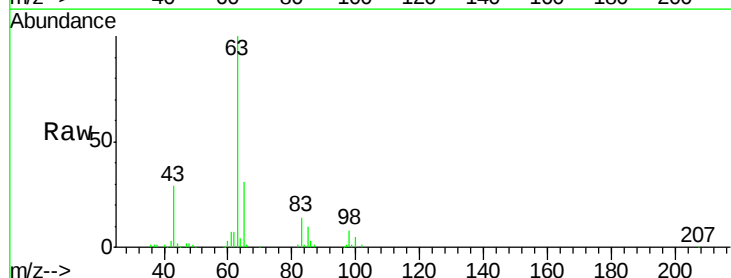
Tgt Ion: 63 Resp: 77691

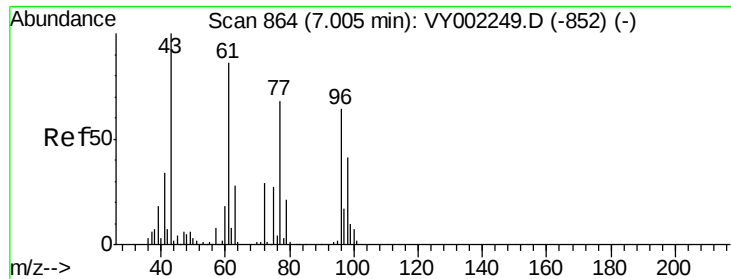
Ion Ratio Lower Upper

63 100

98 7.8 4.0 12.0

100 5.0 2.4 7.1





#25

2-Butanone

Concen: 96.809 ug/l

RT: 7.01 min Scan# 865

Delta R.T. 0.01 min

Lab File: VY002278.D

Acq: 13 Apr 2020 14:32

Instrument :

MSVOA_Y

ClientSampleId :

VY0413SBS01

Tot Ion: 43 Resp: 77790

Ion Ratio Lower Upper

43 100

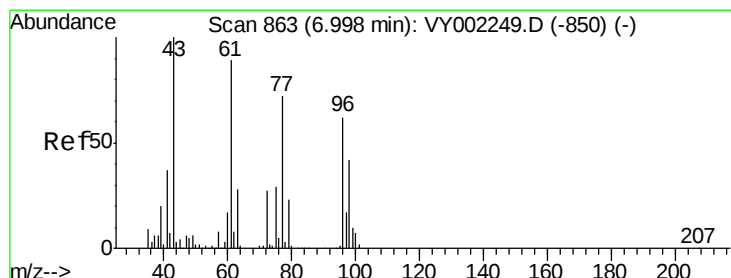
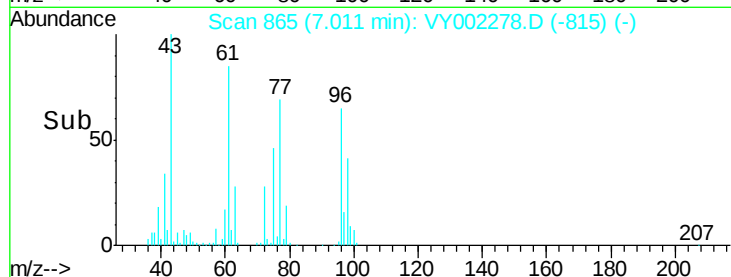
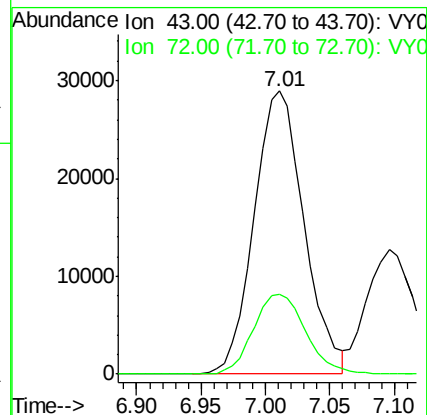
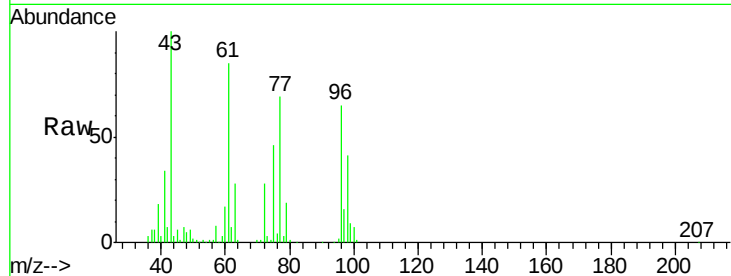
72 28.4 23.2 34.8

Manual Integrations

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4/14/2020 10:01:56 AM



#26

2,2-Dichloropropane

Concen: 19.382 ug/l

RT: 7.00 min Scan# 864

Delta R.T. 0.01 min

Lab File: VY002278.D

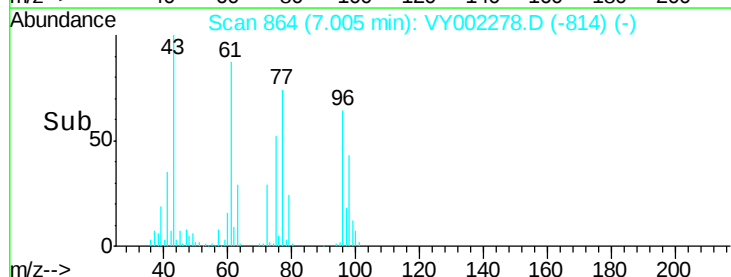
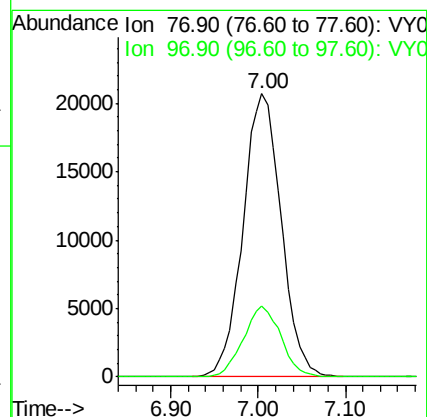
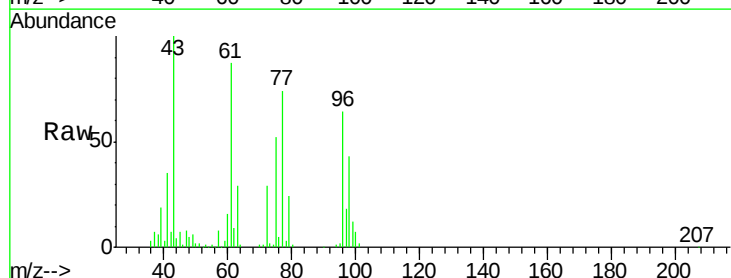
Acq: 13 Apr 2020 14:32

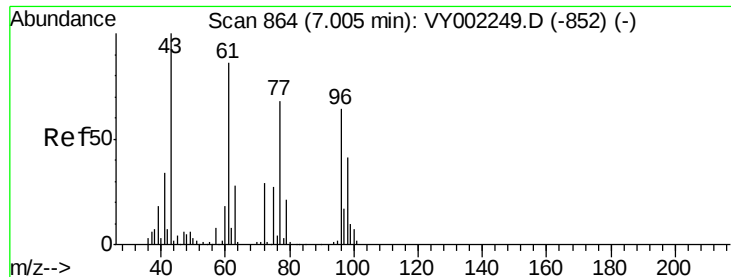
Tgt Ion: 77 Resp: 62729

Ion Ratio Lower Upper

77 100

97 24.7 12.2 36.6





#27

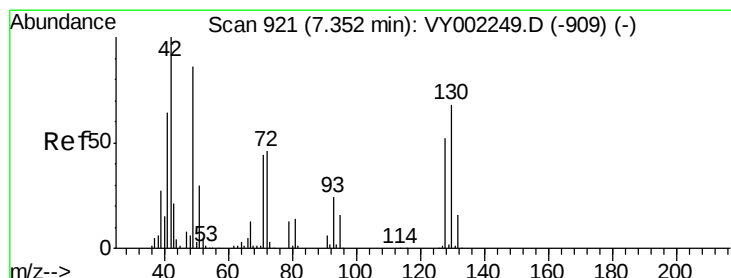
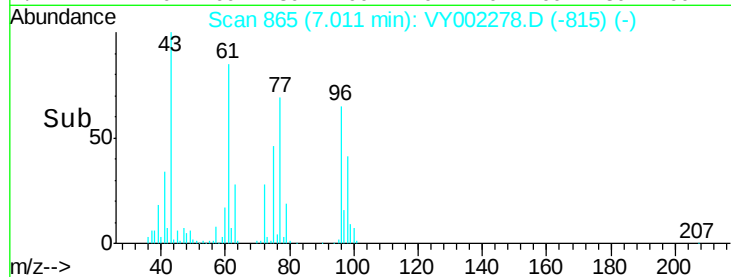
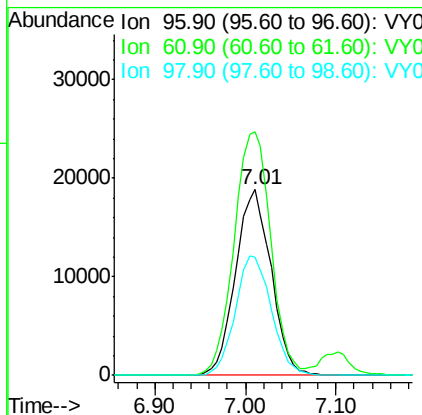
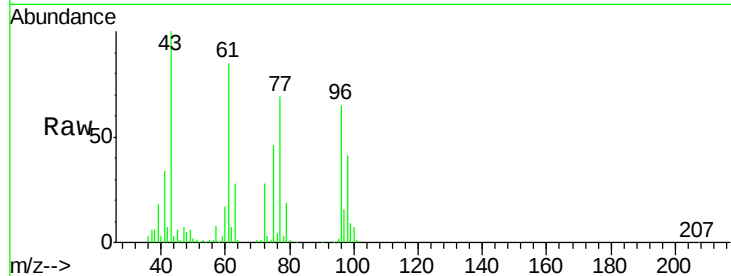
cis-1,2-Dichloroethene
 Concen: 20.027 ug/l
 RT: 7.01 min Scan# 865
 Delta R.T. 0.01 min
 Lab File: VY002278.D
 Acq: 13 Apr 2020 14:32

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0413BSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	135.7	0.0	278.0
98	65.1	0.0	128.6

Manual Integrations
 APPROVED

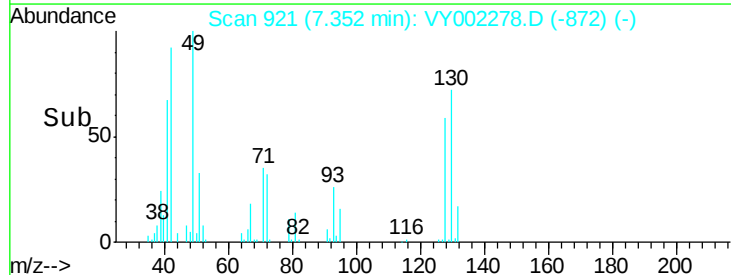
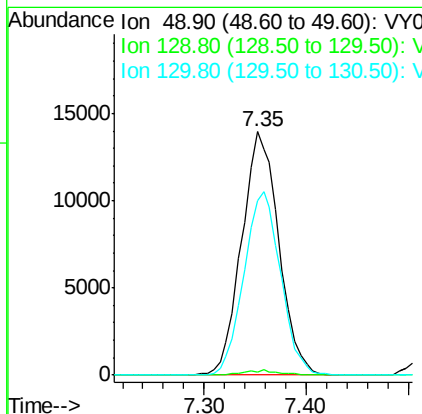
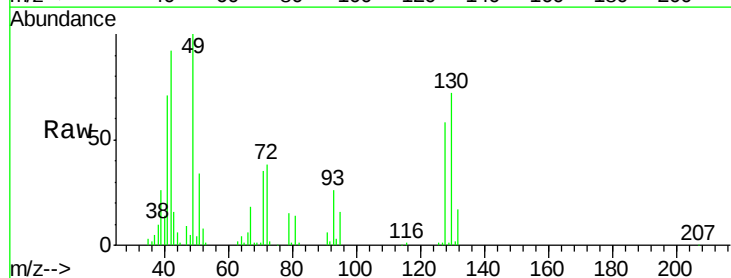
MMDadoda
 4/14/2020 10:01:56 AM

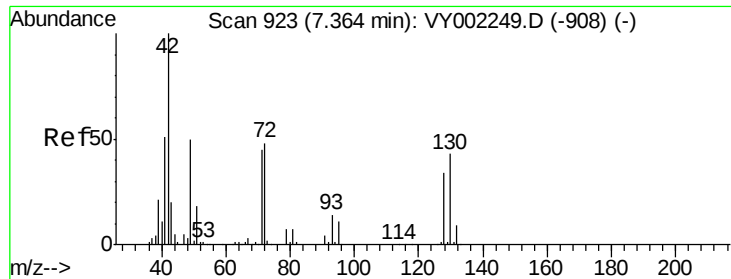


#28

Bromochloromethane
 Concen: 21.129 ug/l
 RT: 7.35 min Scan# 921
 Delta R.T. -0.00 min
 Lab File: VY002278.D
 Acq: 13 Apr 2020 14:32

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	4.2
130	74.5	60.9	91.3





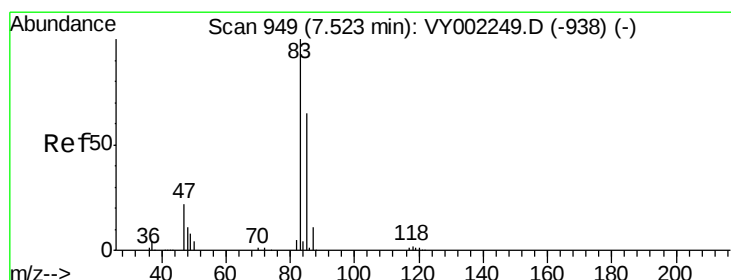
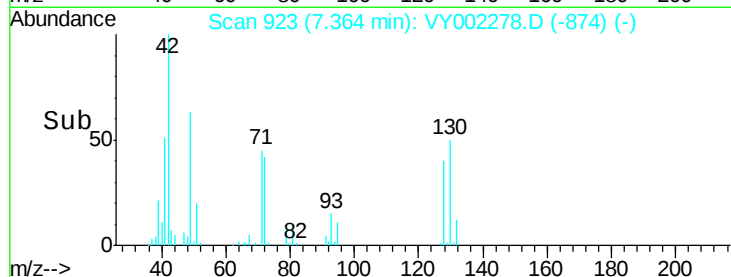
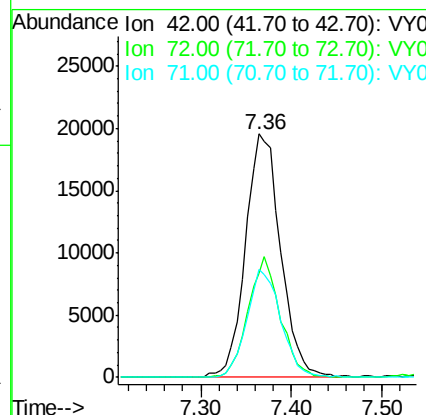
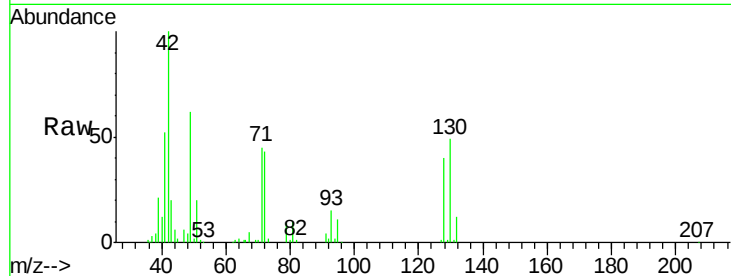
#29
Tetrahydrofuran
Concen: 98.745 ug/l
RT: 7.36 min Scan# 923
Delta R.T. -0.00 min
Lab File: VY002278.D
Acq: 13 Apr 2020 14:32

Instrument :
MSVOA_Y
ClientSampleId :
VY0413BSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.4	36.7	55.1
71	43.0	34.7	52.1

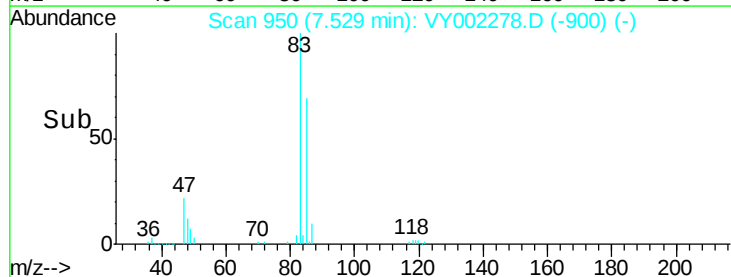
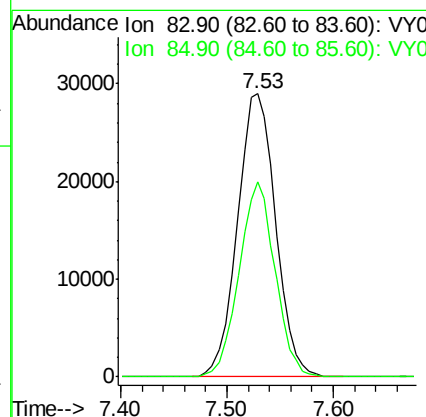
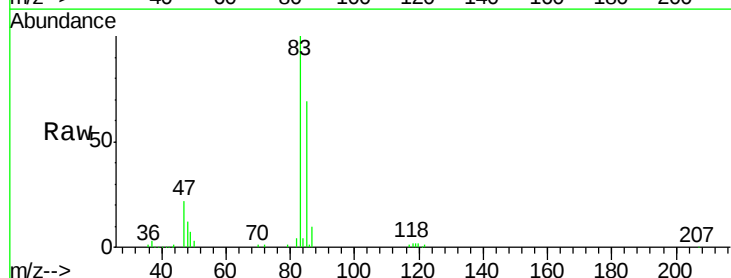
Manual Integrations
APPROVED

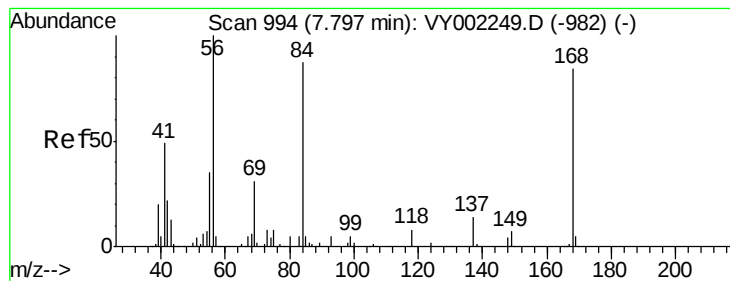
MMDadoda
4/14/2020 10:01:56 AM



#30
Chloroform
Concen: 19.965 ug/l
RT: 7.53 min Scan# 950
Delta R.T. 0.01 min
Lab File: VY002278.D
Acq: 13 Apr 2020 14:32

Tgt Ion	Ratio	Lower	Upper
83	100		
85	69.1	52.0	78.0





#31

Cyclohexane

Concen: 20.118 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.01 min

Lab File: VY002278.D

Acq: 13 Apr 2020 14:32

Instrument :

MSVOA_Y

ClientSampleId :

VY0413BSD01

Tot Ion: 56 Resp: 81704

Ion Ratio Lower Upper

56 100

69 35.8 25.0 37.6

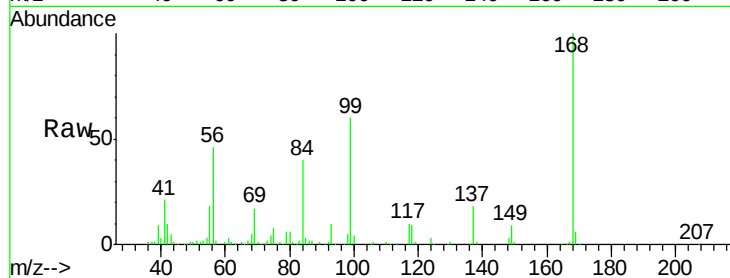
84 86.0 69.7 104.5

Manual Integrations

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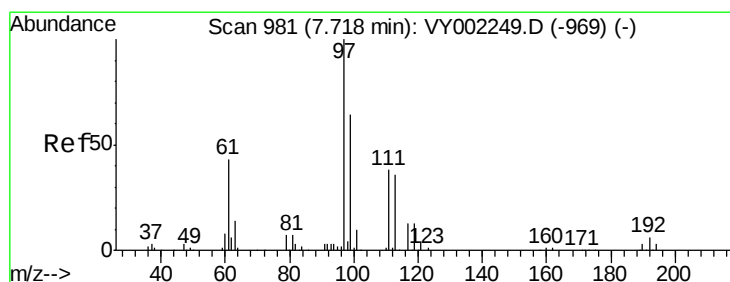
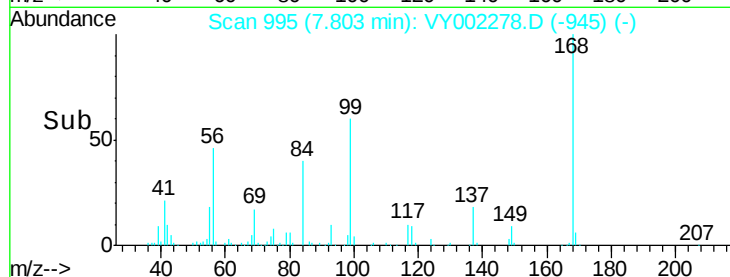
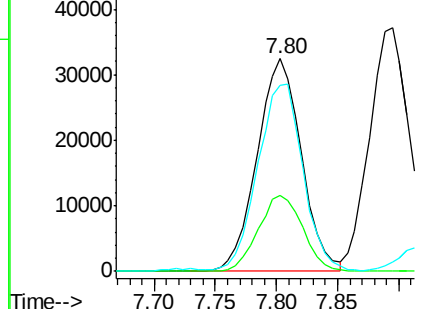
4/14/2020 10:01:56 AM



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0



#32

1,1,1-Trichloroethane

Concen: 19.971 ug/l

RT: 7.72 min Scan# 982

Delta R.T. 0.01 min

Lab File: VY002278.D

Acq: 13 Apr 2020 14:32

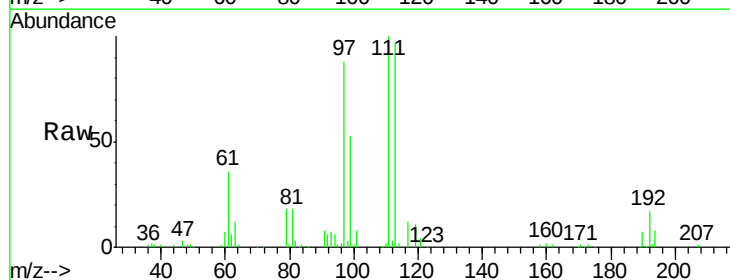
Tgt Ion: 97 Resp: 60627

Ion Ratio Lower Upper

97 100

99 64.5 51.3 76.9

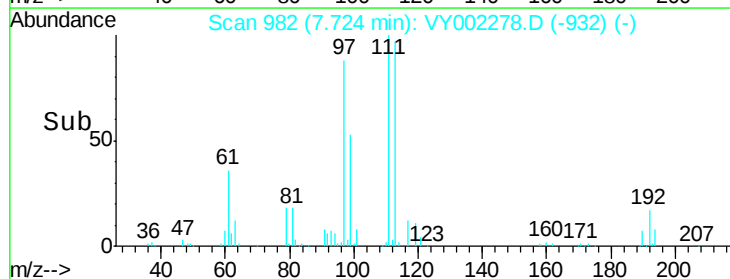
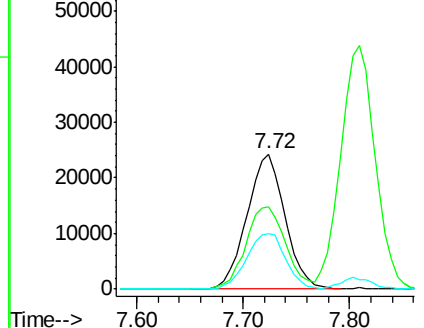
61 42.6 34.3 51.5

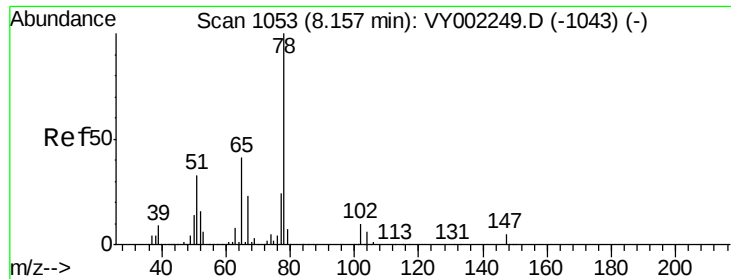


Abundance Ion 96.90 (96.60 to 97.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

Ion 60.90 (60.60 to 61.60): VY0





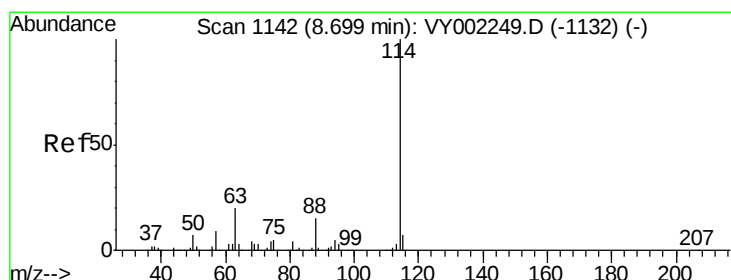
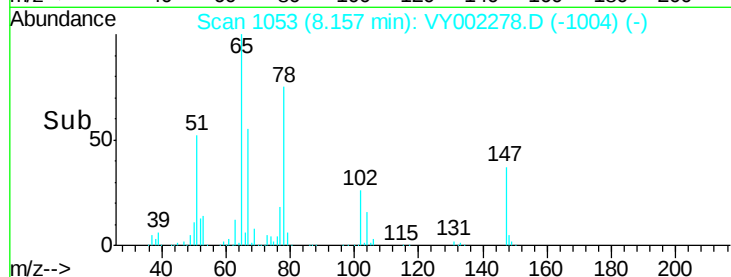
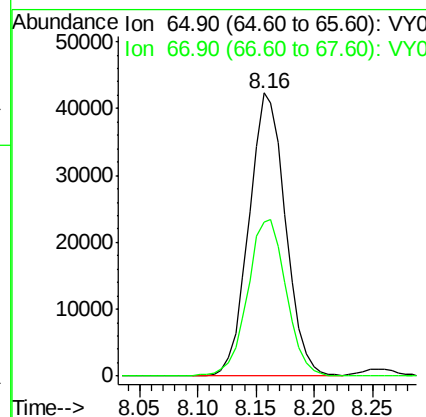
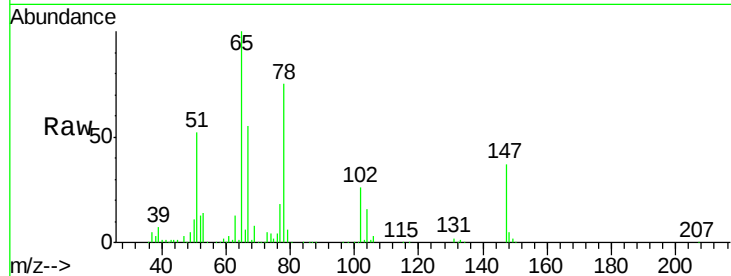
#33
 1,2-Dichloroethane-d4
 Concen: 48.093 ug/l
 RT: 8.16 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VY002278.D
 Acq: 13 Apr 2020 14:32

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0413BSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	92713		
67	58.4	0.0	114.0	

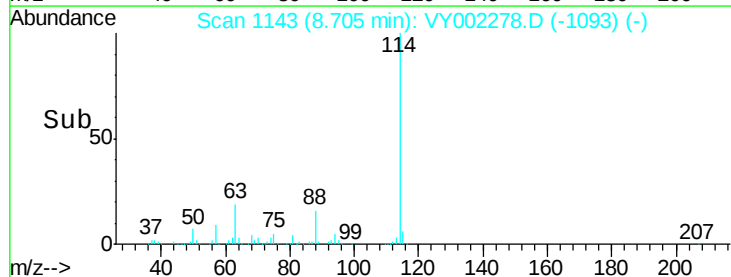
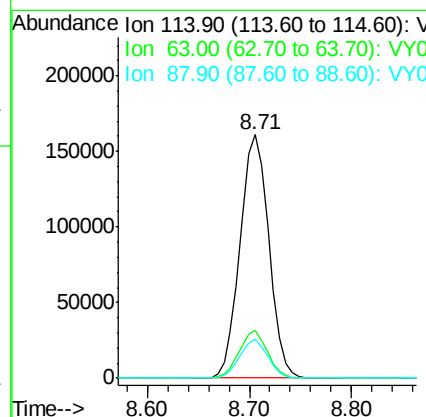
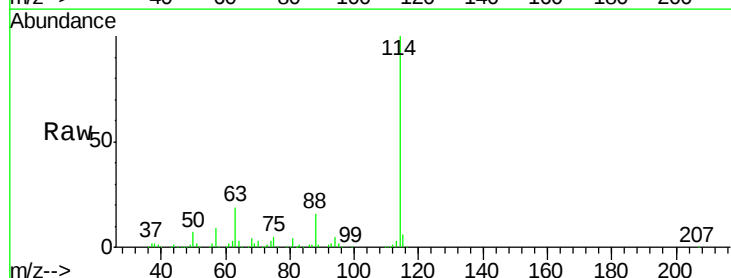
Manual Integrations
 APPROVED

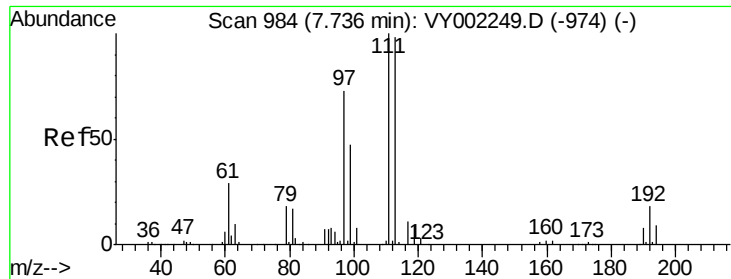
MMDadoda
 4/14/2020 10:01:56 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. 0.01 min
 Lab File: VY002278.D
 Acq: 13 Apr 2020 14:32

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	314983		
63	19.5	0.0	39.0	
88	15.8	0.0	31.0	





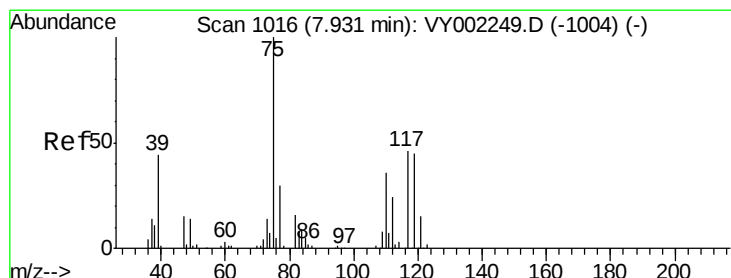
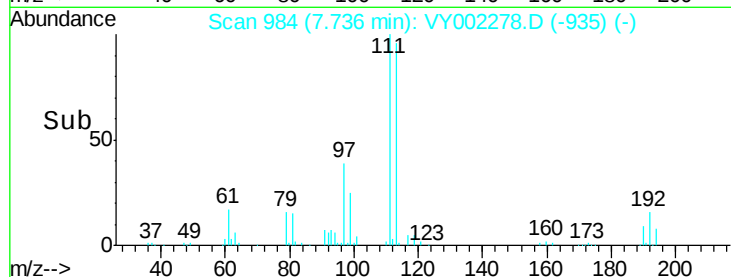
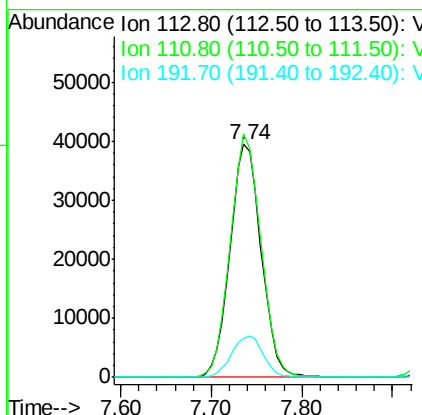
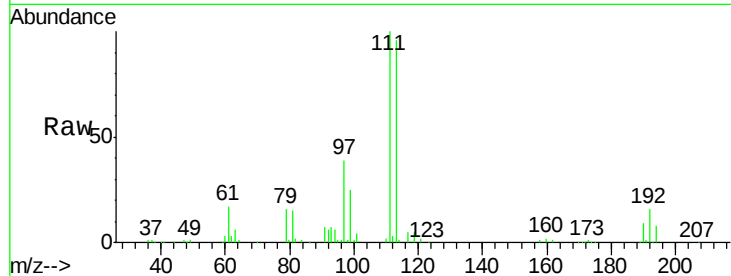
#35
Dibromofluoromethane
Concen: 50.324 ug/l
RT: 7.74 min Scan# 984
Delta R.T. -0.00 min
Lab File: VY002278.D
Acq: 13 Apr 2020 14:32

Instrument :
MSVOA_Y
ClientSampleId :
VY0413BSD01

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	83.5	125.3
192	18.1	14.7	22.1

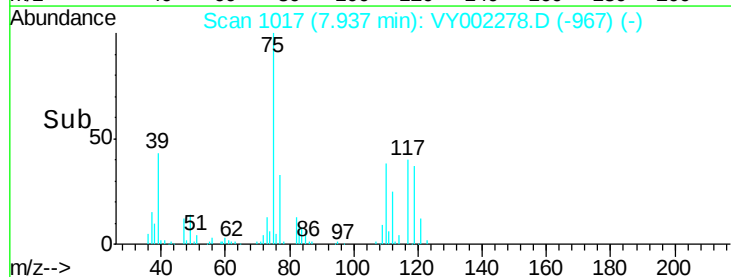
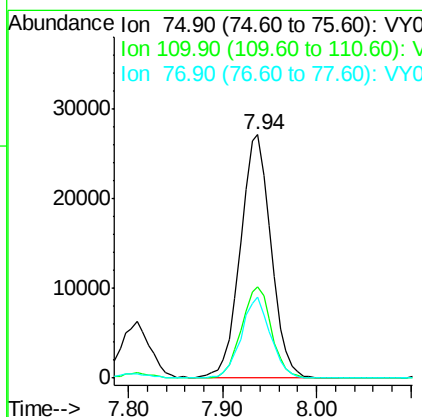
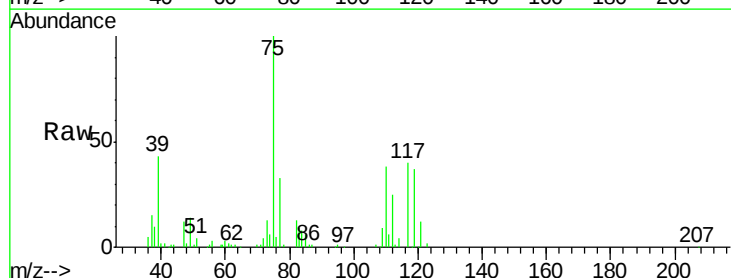
Manual Integrations
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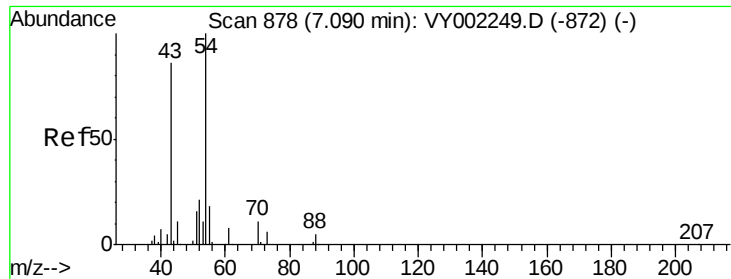
MMDadoda
4/14/2020 10:01:56 AM



#36
1,1-Dichloropropene
Concen: 19.970 ug/l
RT: 7.94 min Scan# 1017
Delta R.T. 0.01 min
Lab File: VY002278.D
Acq: 13 Apr 2020 14:32

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.8	17.8	53.3
77	31.8	24.4	36.6





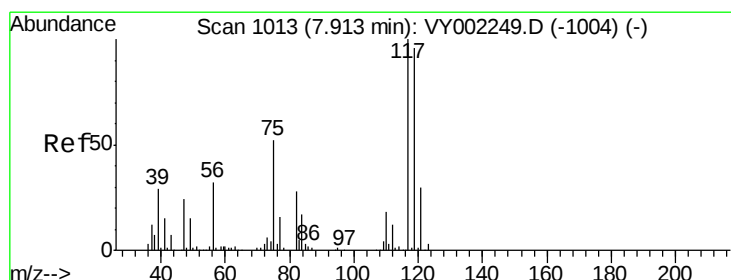
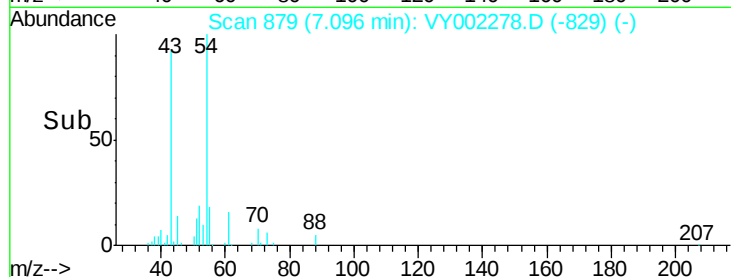
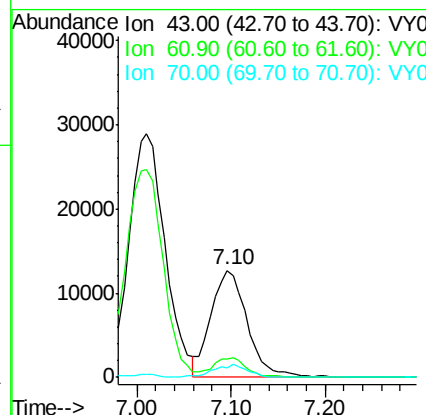
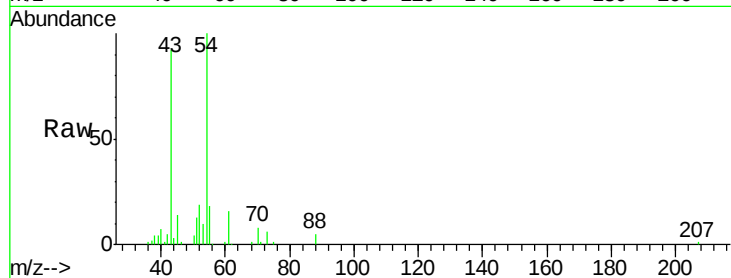
#37
Ethyl Acetate
Concen: 19.244 ug/l
RT: 7.10 min Scan# 879
Delta R.T. 0.01 min
Lab File: VY002278.D
Acq: 13 Apr 2020 14:32

Instrument :
MSVOA_Y
ClientSampleId :
VY0413BSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.6	11.8	17.6
70	11.0	9.1	13.7

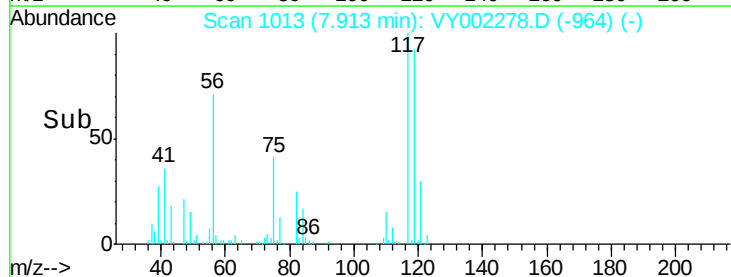
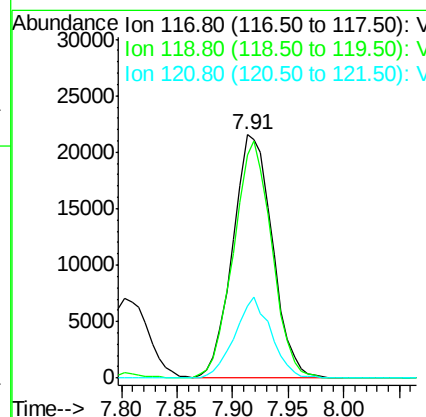
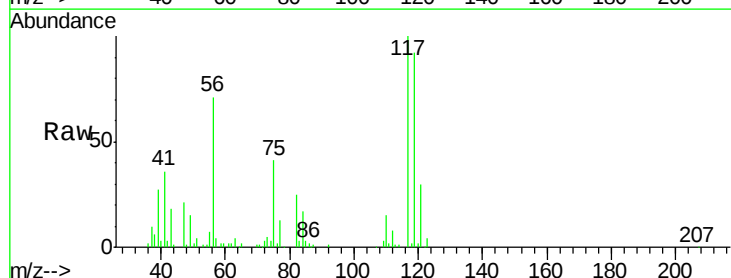
Manual Integrations
APPROVED

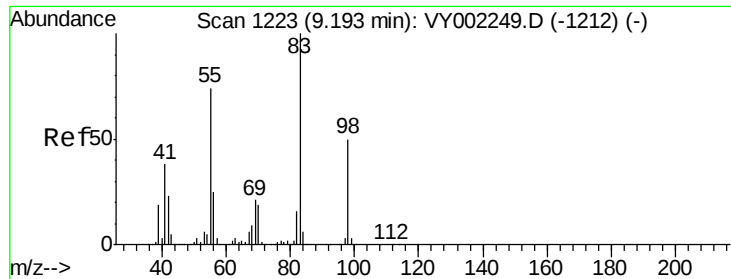
MMDadoda
4/14/2020 10:01:56 AM



#38
Carbon Tetrachloride
Concen: 20.058 ug/l
RT: 7.91 min Scan# 1013
Delta R.T. -0.00 min
Lab File: VY002278.D
Acq: 13 Apr 2020 14:32

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.8	77.1	115.7
121	29.6	23.9	35.9





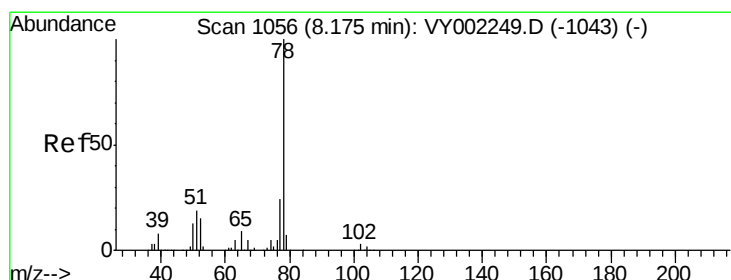
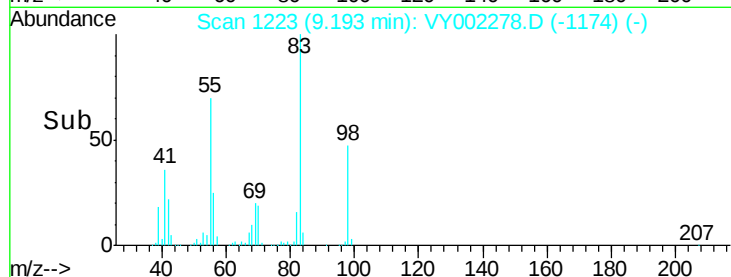
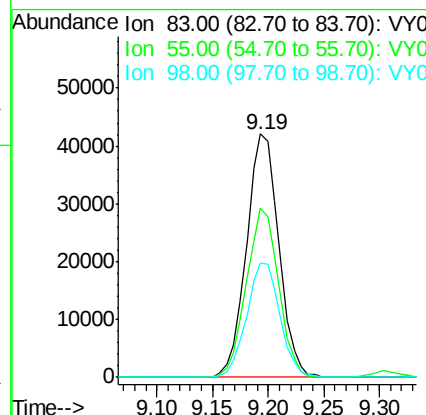
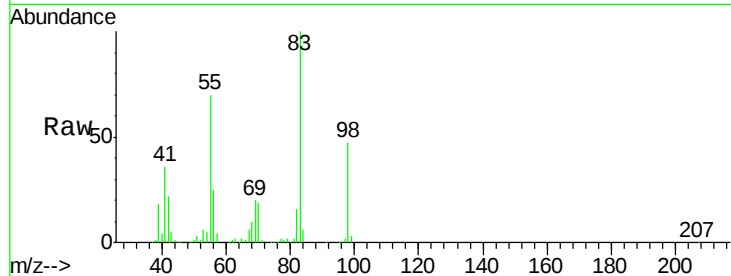
#39
Methvlcvclohexane
Concen: 20.180 ug/l
RT: 9.19 min Scan# 1223
Delta R.T. -0.00 min
Lab File: VY002278.D
Acq: 13 Apr 2020 14:32

Instrument :
MSVOA_Y
ClientSampleId :
VY0413BSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	69.6	59.3	88.9
98	47.1	39.6	59.4

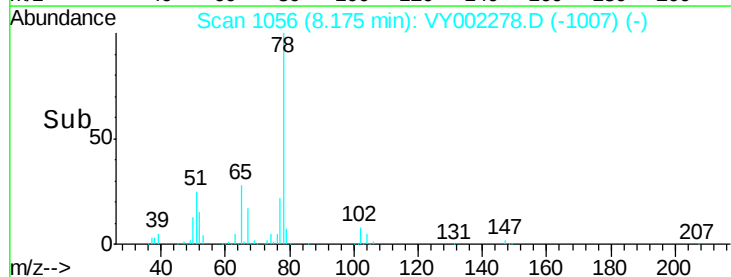
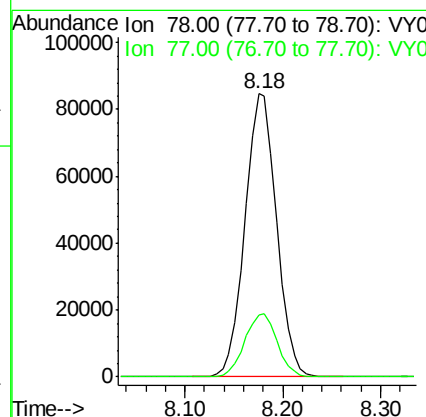
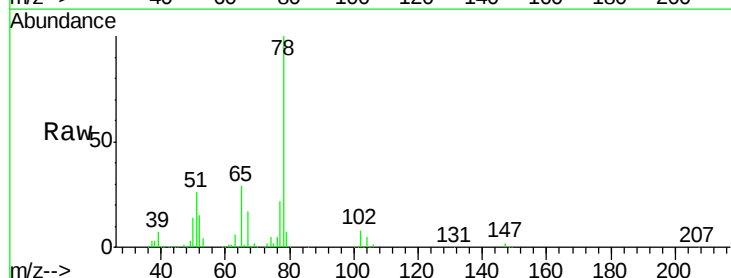
Manual Integrations
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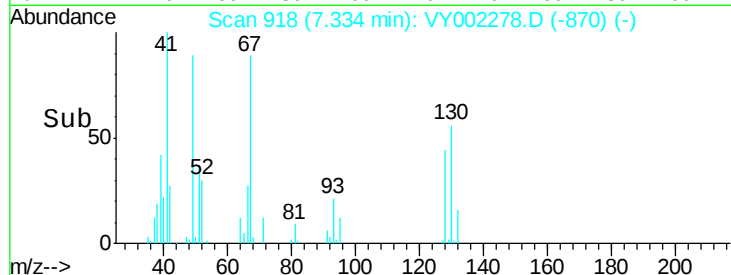
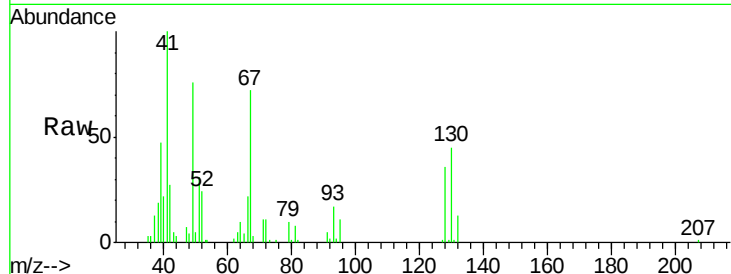
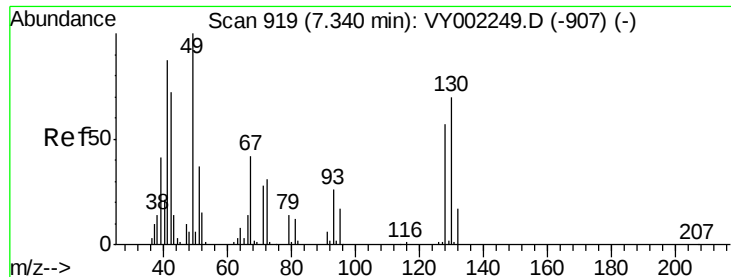
MMDadoda
4/14/2020 10:01:56 AM



#40
Benzene
Concen: 20.035 ug/l
RT: 8.18 min Scan# 1056
Delta R.T. -0.00 min
Lab File: VY002278.D
Acq: 13 Apr 2020 14:32

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.0	18.9	28.3





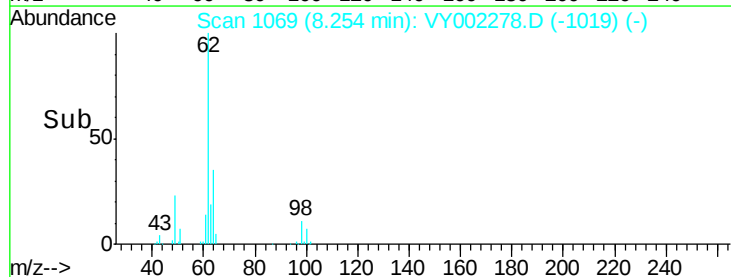
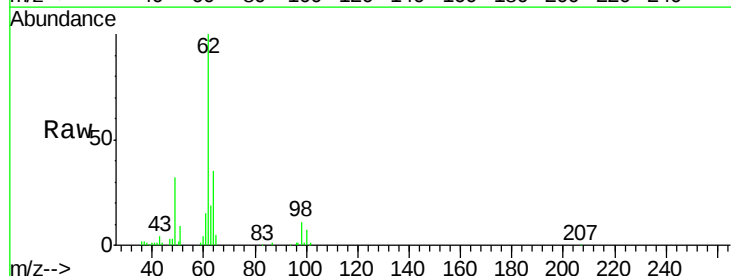
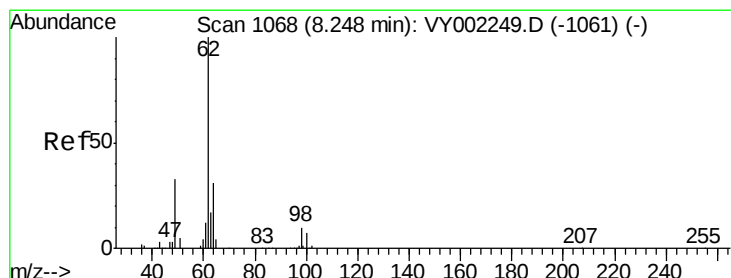
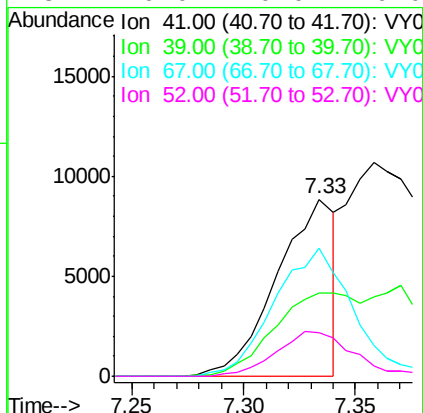
#41
Methacrylonitrile
Concen: 15.341 ug/l m
RT: 7.33 min Scan# 918
Delta R.T. -0.01 min
Lab File: VY002278.D
Acq: 13 Apr 2020 14:32

Tot Ion	41	Resp	16040
Ion Ratio	Lower	Upper	
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

Instrument :
MSVOA_Y
ClientSampleId :
VY0413BSD01

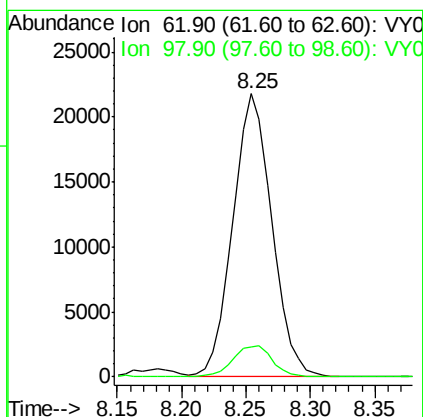
Manual Integrations
APPROVED

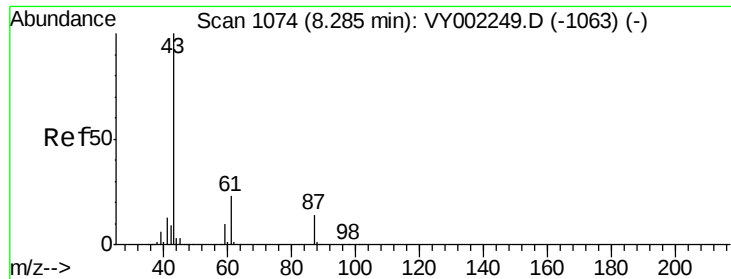
MMDadoda
4/14/2020 10:01:56 AM



#42
1,2-Dichloroethane
Concen: 19.664 ug/l
RT: 8.25 min Scan# 1069
Delta R.T. 0.01 min
Lab File: VY002278.D
Acq: 13 Apr 2020 14:32

Tgt Ion	62	Resp	45852
Ion Ratio	Lower	Upper	
62	100		
98	11.2	0.0	22.6





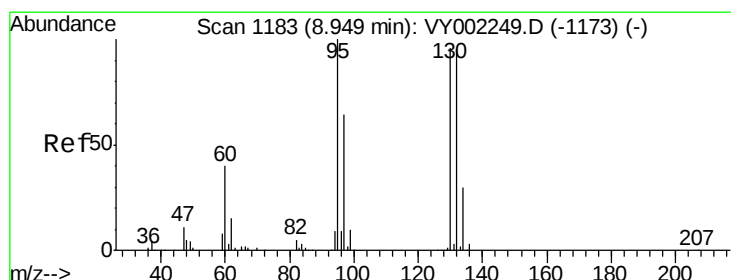
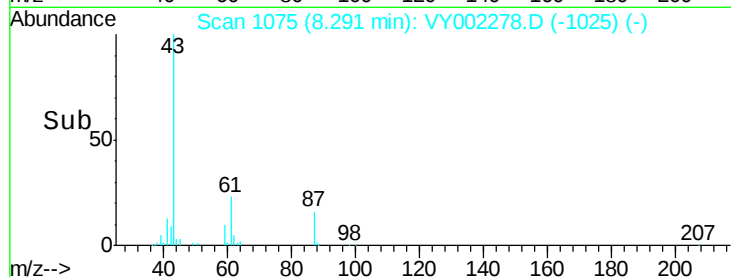
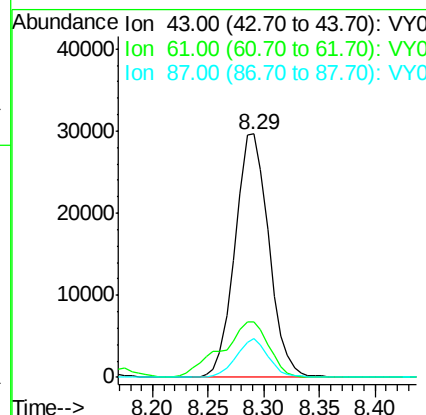
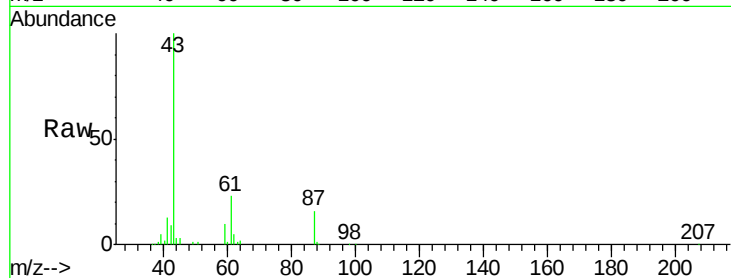
#43
Isopropyl Acetate
Concen: 19.357 ug/l
RT: 8.29 min Scan# 1075
Delta R.T. 0.01 min
Lab File: VY002278.D
Acq: 13 Apr 2020 14:32

Instrument :
MSVOA_Y
ClientSampleId :
VY0413BSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	32.0	24.9	37.3
87	15.0	11.7	17.5

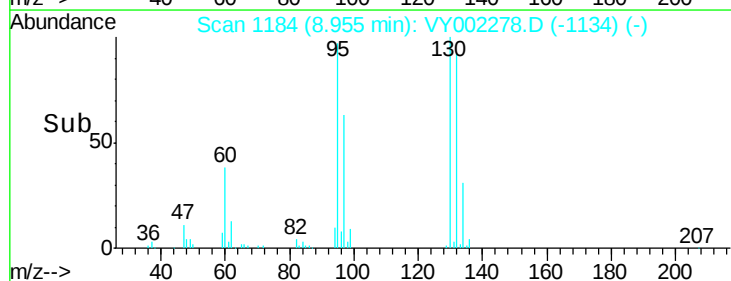
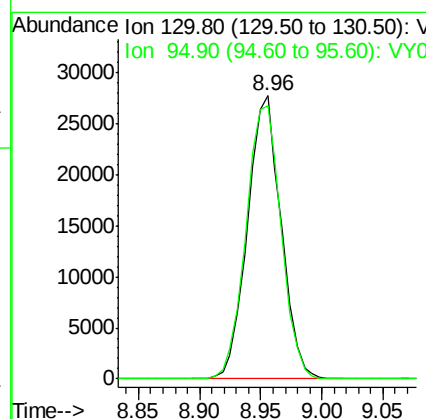
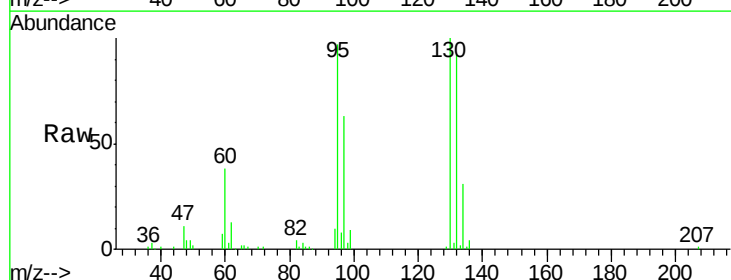
Manual Integrations
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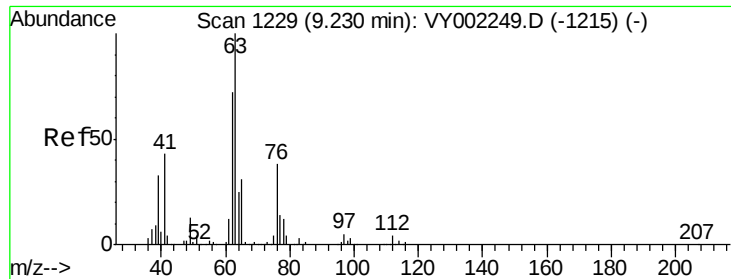
MMDadoda
4/14/2020 10:01:56 AM



#44
Trichloroethene
Concen: 19.144 ug/l
RT: 8.96 min Scan# 1184
Delta R.T. 0.01 min
Lab File: VY002278.D
Acq: 13 Apr 2020 14:32

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.7	0.0	208.2





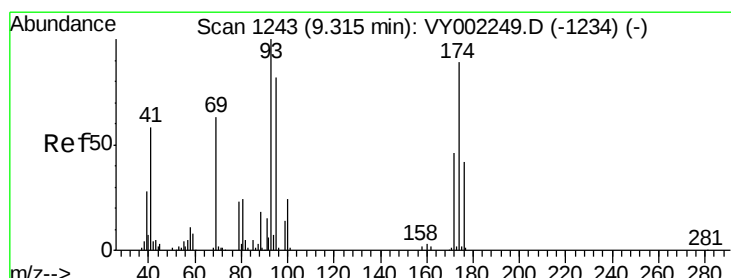
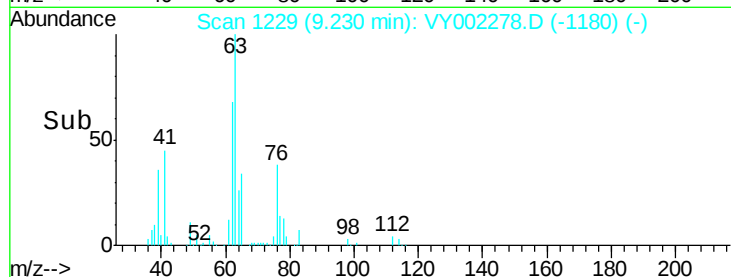
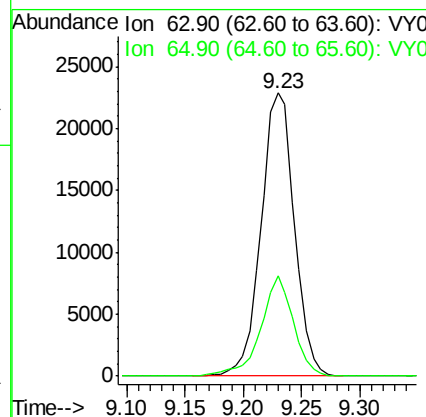
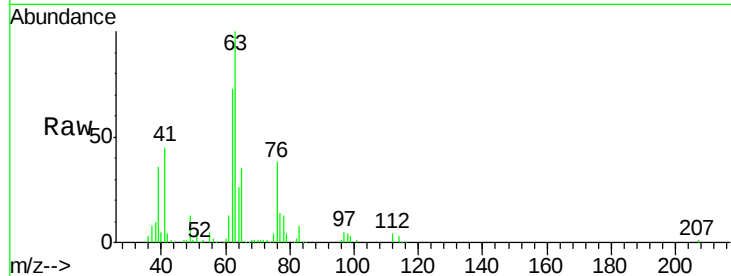
#45
1,2-Dichloropropane
Concen: 19.507 ug/l
RT: 9.23 min Scan# 1229
Delta R.T. -0.00 min
Lab File: VY002278.D
Acq: 13 Apr 2020 14:32

Instrument :
MSVOA_Y
ClientSampleId :
VY0413BSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	35.4	24.6	37.0

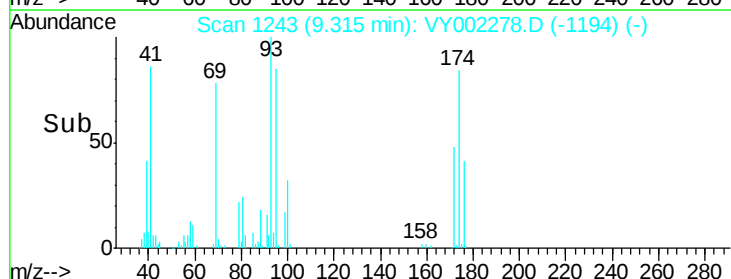
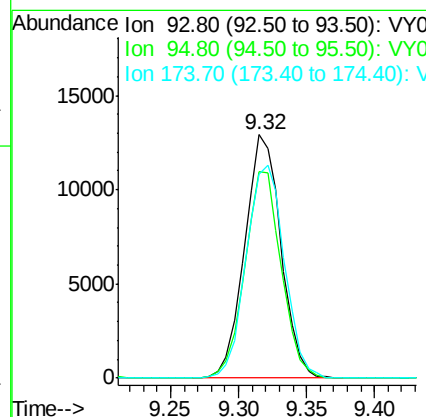
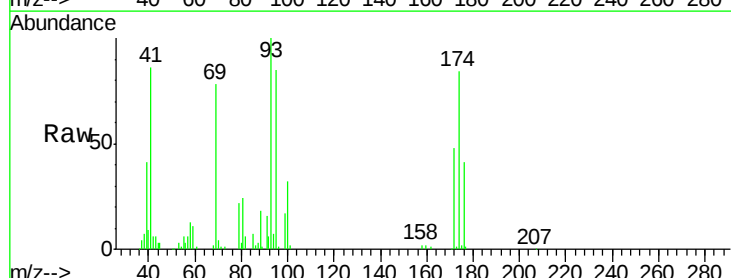
Manual Integrations
APPROVED

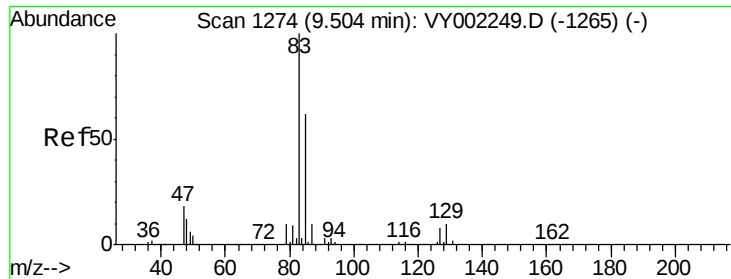
MMDadoda
4/14/2020 10:01:56 AM



#46
Dibromomethane
Concen: 19.724 ug/l
RT: 9.32 min Scan# 1243
Delta R.T. -0.00 min
Lab File: VY002278.D
Acq: 13 Apr 2020 14:32

Tgt Ion	Ratio	Lower	Upper
93	100		
95	85.2	67.3	100.9
174	92.0	72.5	108.7





#47

Bromodichloromethane

Concen: 19.765 ug/l

RT: 9.51 min Scan# 1275

Delta R.T. 0.01 min

Lab File: VY002278.D

Acq: 13 Apr 2020 14:32

Instrument :

MSVOA_Y

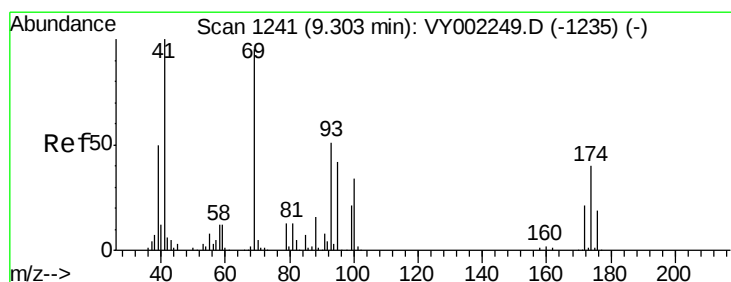
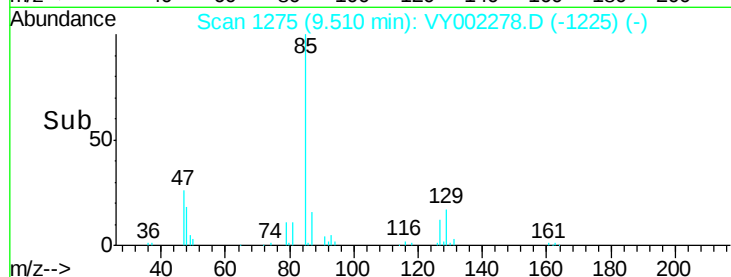
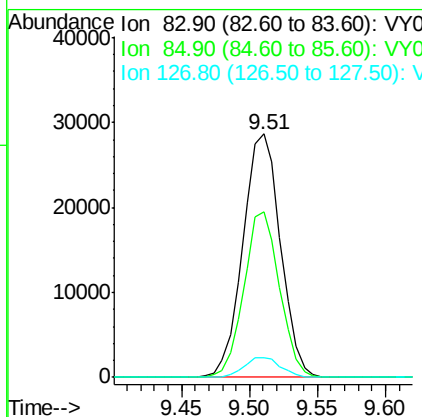
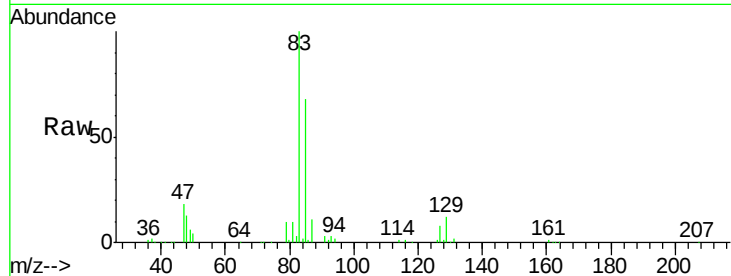
ClientSampleId :

VY0413BSD01

Tot Ion:	83	Resp:	55381
Ion	Ratio	Lower	Upper
83	100		
85	68.0	49.7	74.5
127	7.9	6.2	9.4

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4/14/2020 10:01:56 AM



#48

Methyl methacrylate

Concen: 19.426 ug/l

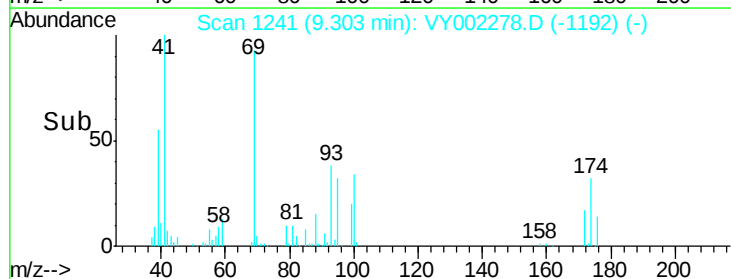
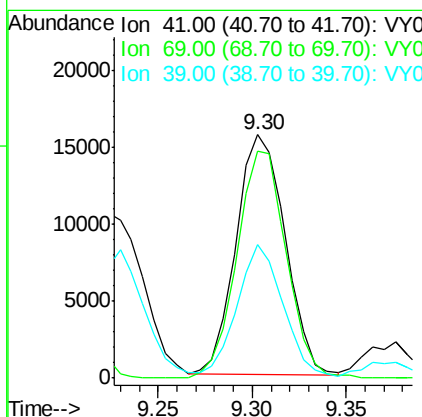
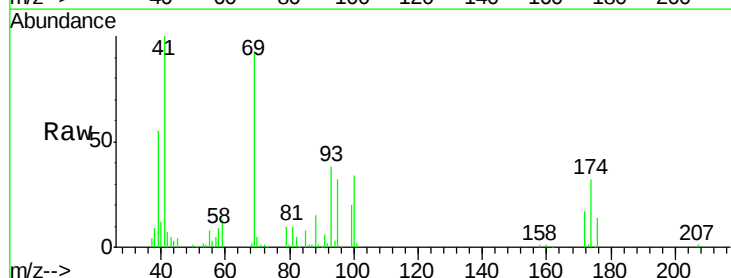
RT: 9.30 min Scan# 1241

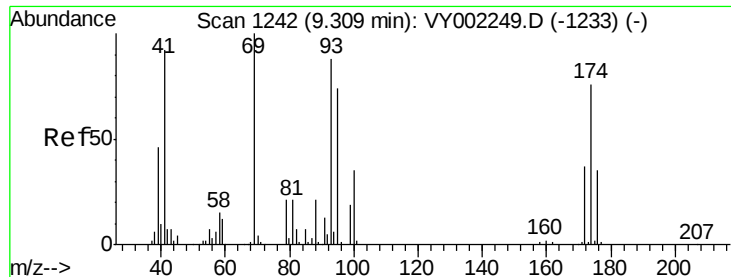
Delta R.T. -0.00 min

Lab File: VY002278.D

Acq: 13 Apr 2020 14:32

Tgt Ion:	41	Resp:	28157
Ion	Ratio	Lower	Upper
41	100		
69	95.4	76.7	115.1
39	50.6	40.5	60.7





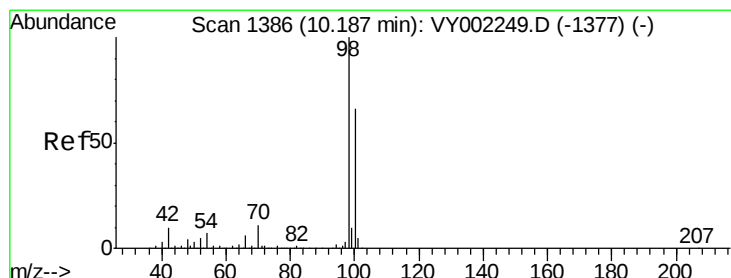
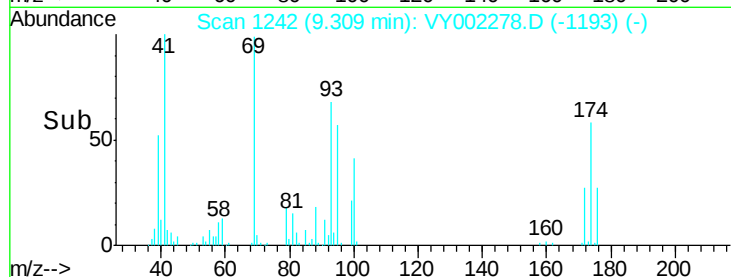
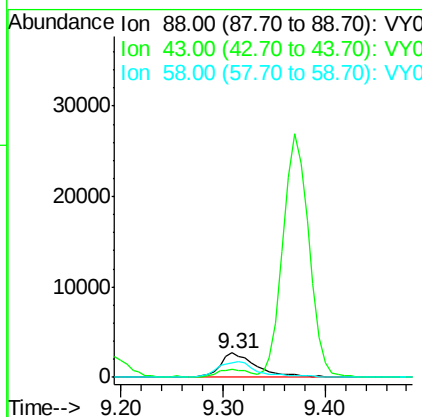
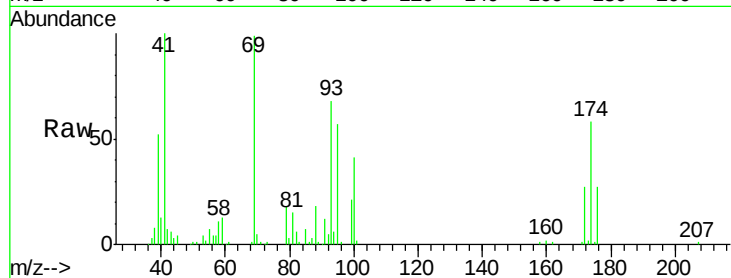
#49
1,4-Dioxane
Concen: 387.923 ug/l
RT: 9.31 min Scan# 1242
Delta R.T. -0.00 min
Lab File: VY002278.D
Acq: 13 Apr 2020 14:32

Instrument :
MSVOA_Y
ClientSampleId :
VY0413BSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.8	22.2	33.2
58	72.8	57.6	86.4

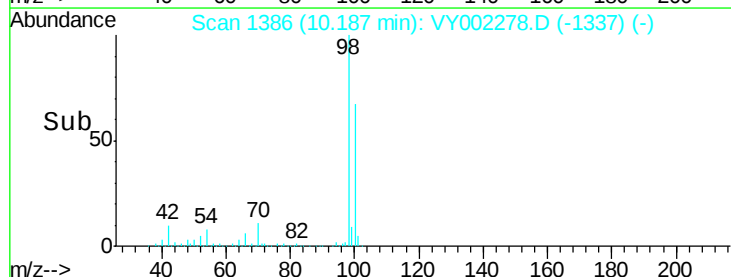
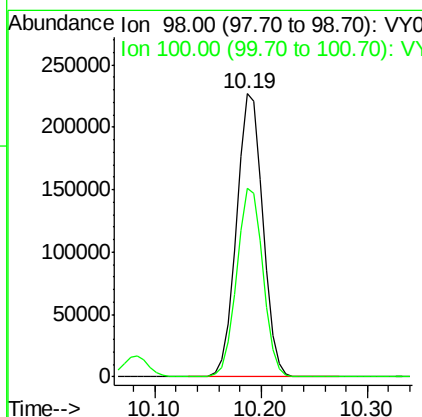
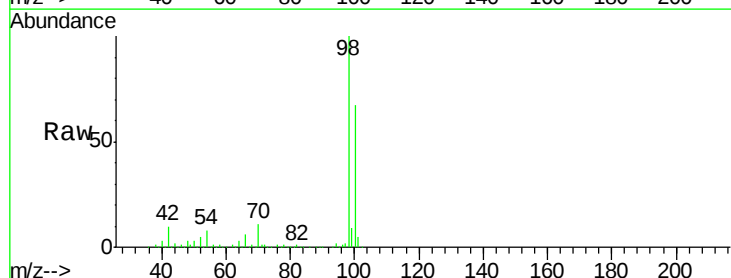
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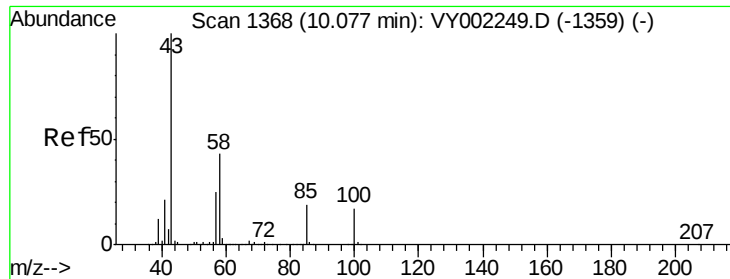
MMDadoda
4/14/2020 10:01:56 AM



#50
Toluene-d8
Concen: 50.184 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. -0.00 min
Lab File: VY002278.D
Acq: 13 Apr 2020 14:32

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.4	52.6	78.8





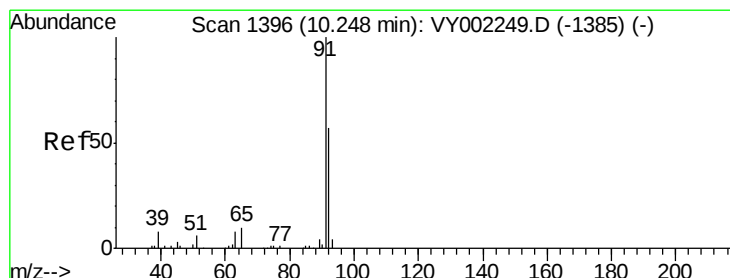
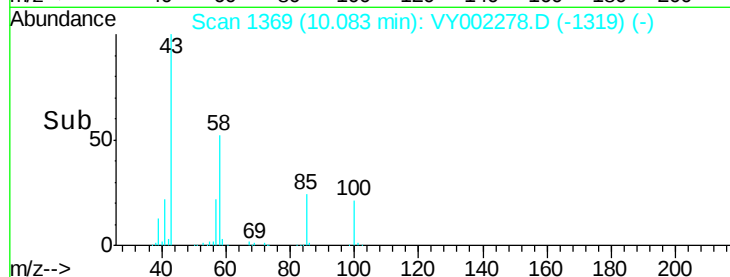
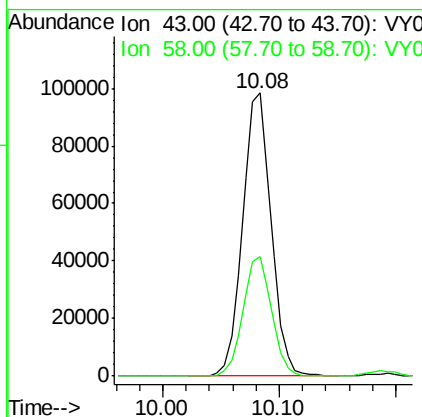
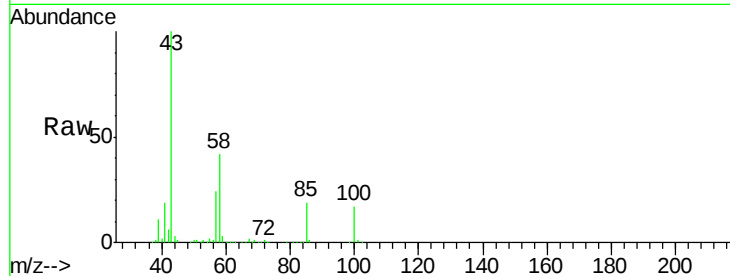
#51
4-Methyl-2-Pentanone
Concen: 100.041 ug/l
RT: 10.08 min Scan# 1369
Delta R.T. 0.01 min
Lab File: VY002278.D
Acq: 13 Apr 2020 14:32

Instrument :
MSVOA_Y
ClientSampleId :
VY0413SBS01

Tot Ion: 43 Resp: 168508
Ion Ratio Lower Upper
43 100
58 42.3 33.8 50.8

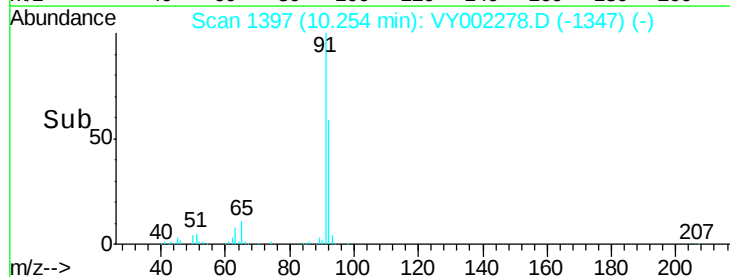
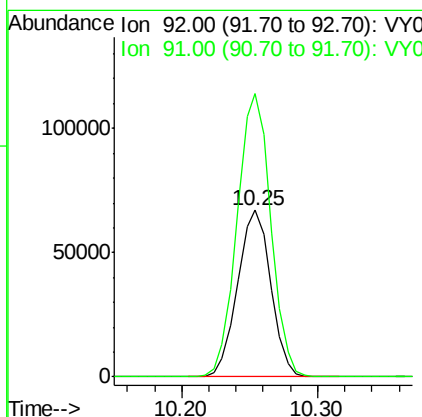
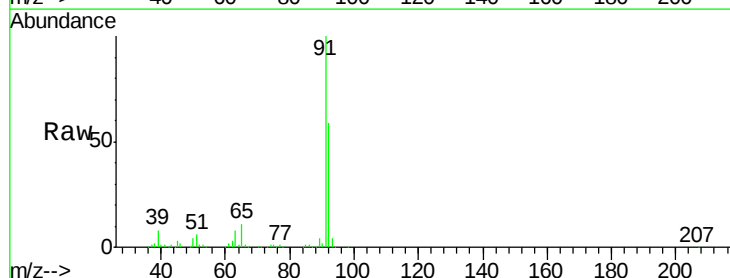
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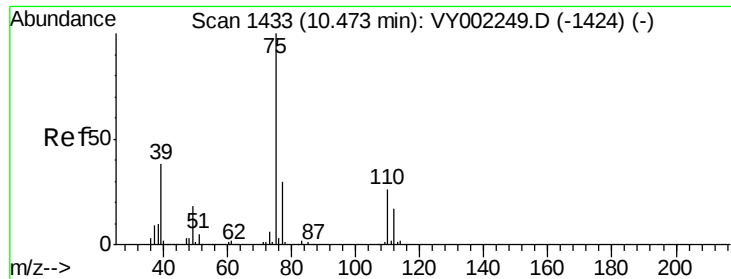
MMDadoda
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#52
Toluene
Concen: 20.199 ug/l
RT: 10.25 min Scan# 1397
Delta R.T. 0.01 min
Lab File: VY002278.D
Acq: 13 Apr 2020 14:32

Tgt Ion: 92 Resp: 114588
Ion Ratio Lower Upper
92 100
91 171.6 139.0 208.6





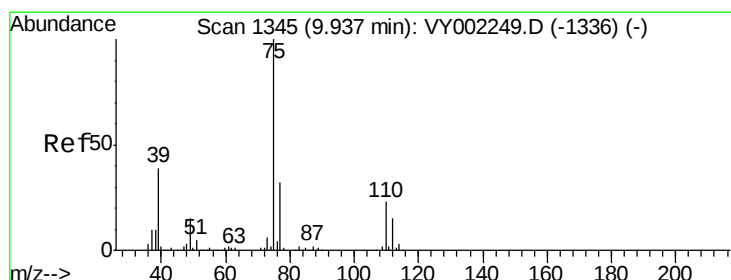
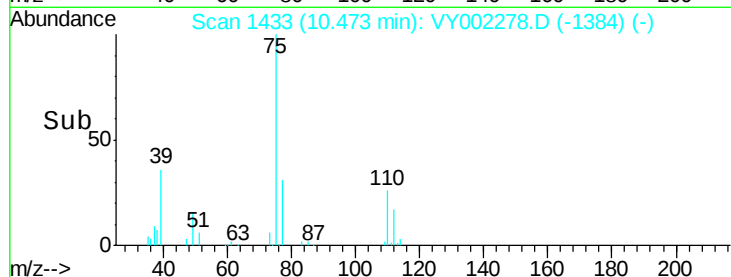
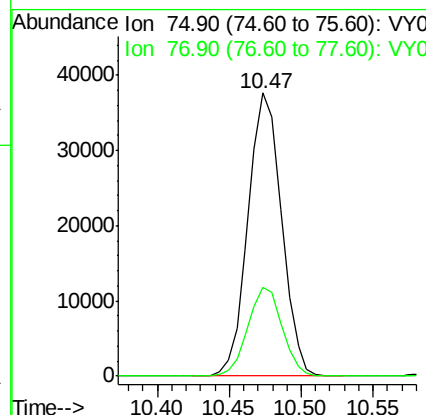
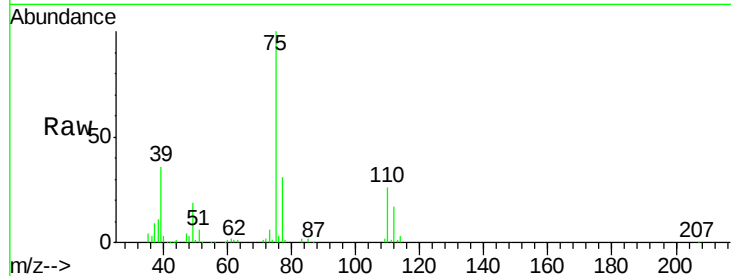
#53
 t-1,3-Dichloropropene
 Concen: 19.882 ug/l
 RT: 10.47 min Scan# 1433
 Delta R.T. -0.00 min
 Lab File: VY002278.D
 Acq: 13 Apr 2020 14:32

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0413BSD01

Tot Ion: 75 Resp: 60698
 Ion Ratio Lower Upper
 75 100
 77 31.3 24.2 36.2

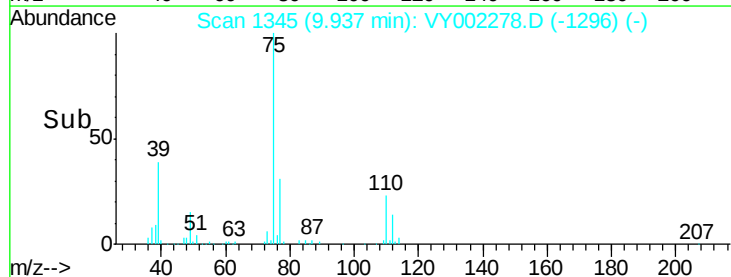
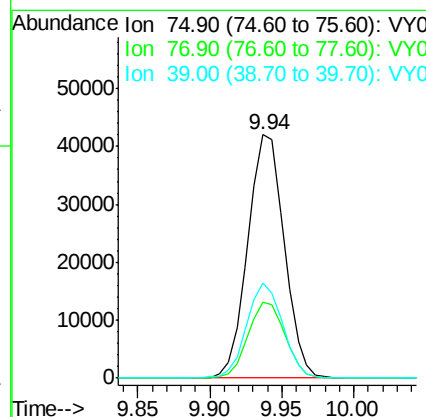
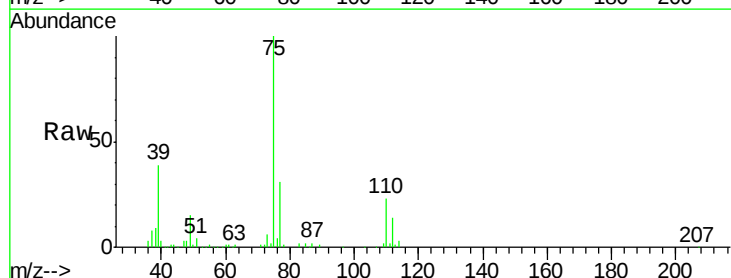
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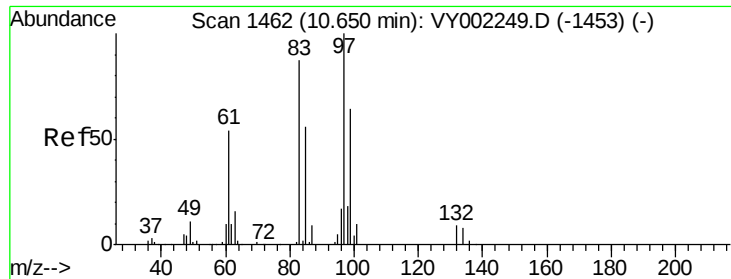
MMDadoda
 4/14/2020 10:01:56 AM



#54
 cis-1,3-Dichloropropene
 Concen: 20.028 ug/l
 RT: 9.94 min Scan# 1345
 Delta R.T. -0.00 min
 Lab File: VY002278.D
 Acq: 13 Apr 2020 14:32

Tgt Ion: 75 Resp: 73508
 Ion Ratio Lower Upper
 75 100
 77 31.1 25.8 38.8
 39 38.9 30.8 46.2





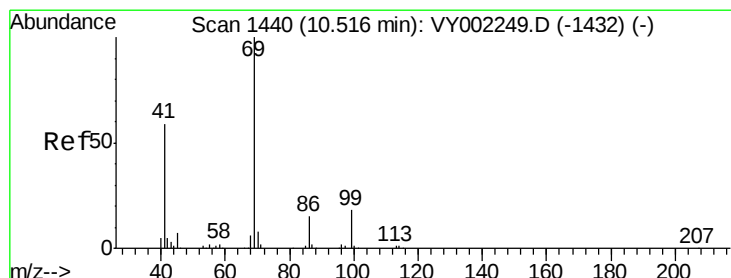
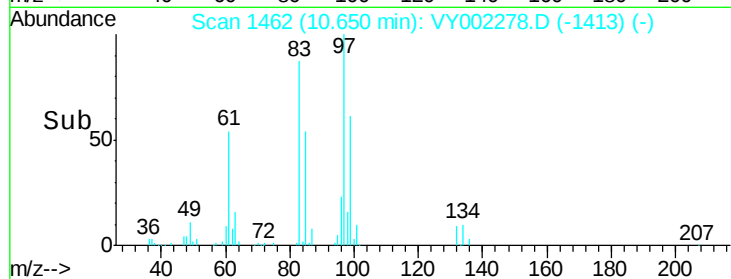
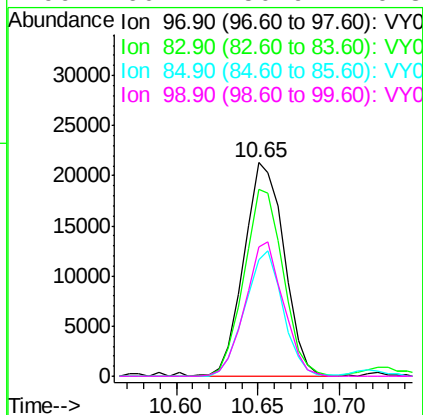
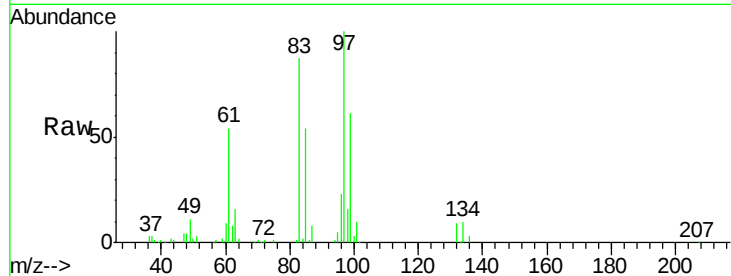
#55
 1,1,2-Trichloroethane
 Concen: 20.488 ug/l
 RT: 10.65 min Scan# 1462
 Delta R.T. -0.00 min
 Lab File: VY002278.D
 Acq: 13 Apr 2020 14:32

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0413BSD01

Tot Ion:	97	Resp:	36629
Ion	Ratio	Lower	Upper
97	100		
83	87.5	69.5	104.3
85	54.4	45.2	67.8
99	60.7	50.9	76.3

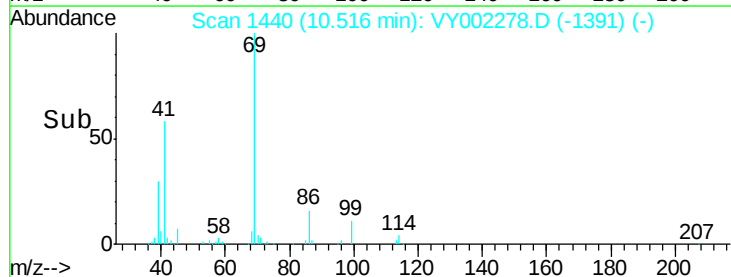
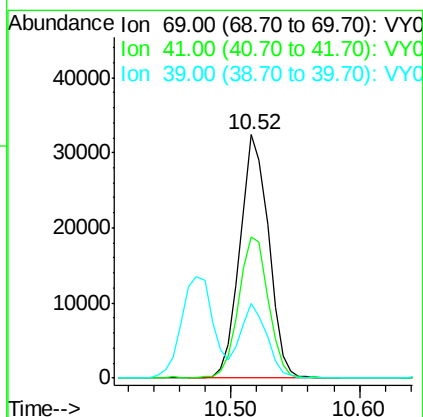
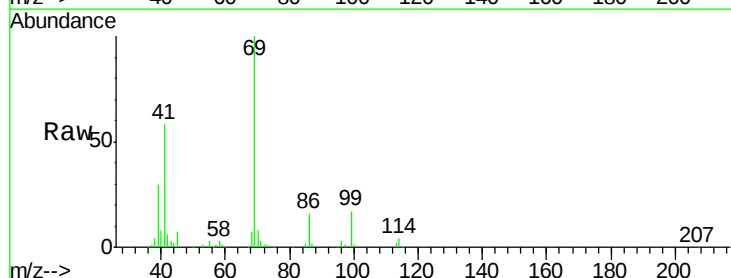
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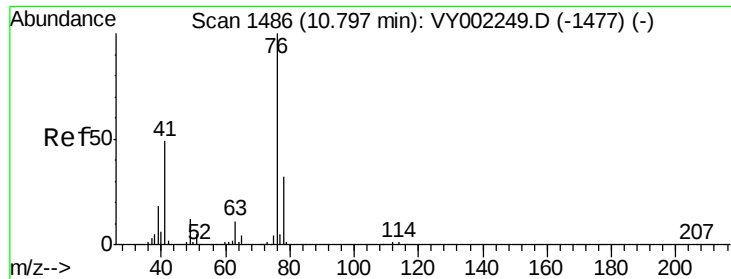
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 4/14/2020 10:01:56 AM



#56
 Ethyl methacrylate
 Concen: 19.594 ug/l
 RT: 10.52 min Scan# 1440
 Delta R.T. -0.00 min
 Lab File: VY002278.D
 Acq: 13 Apr 2020 14:32

Tgt Ion:	69	Resp:	49997
Ion	Ratio	Lower	Upper
69	100		
41	60.4	47.9	71.9
39	28.3	23.8	35.6





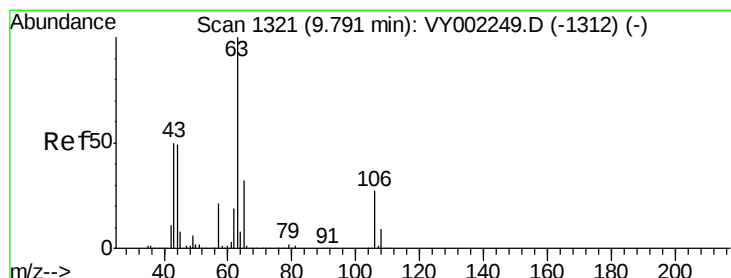
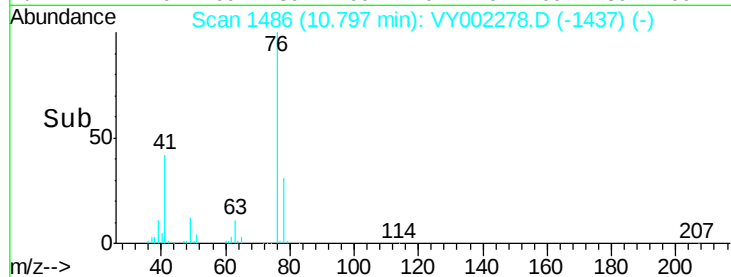
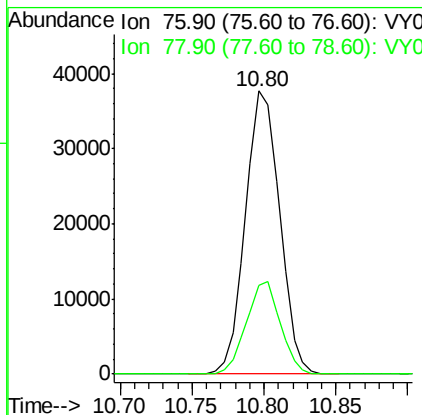
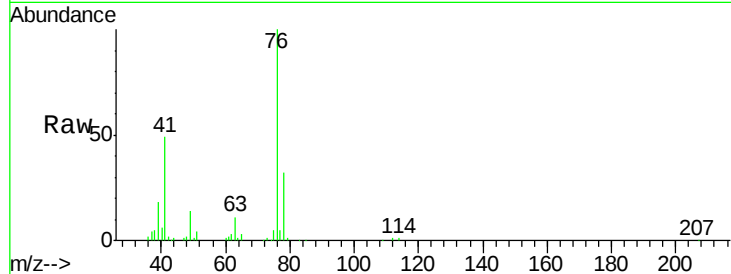
#57
 1,3-Dichloropropane
 Concen: 19.728 ug/l
 RT: 10.80 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VY002278.D
 Acq: 13 Apr 2020 14:32

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0413SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.8	38.6

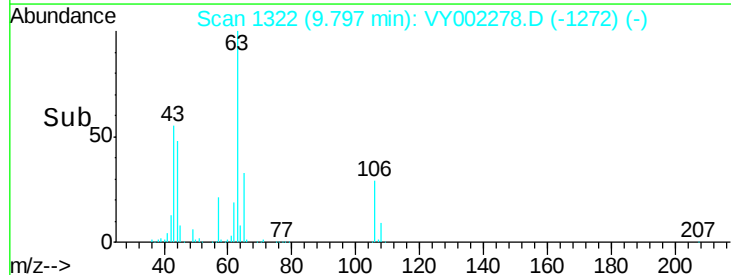
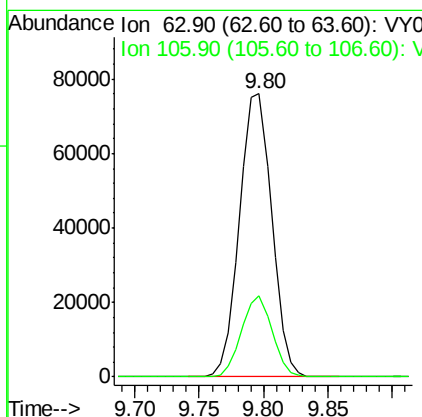
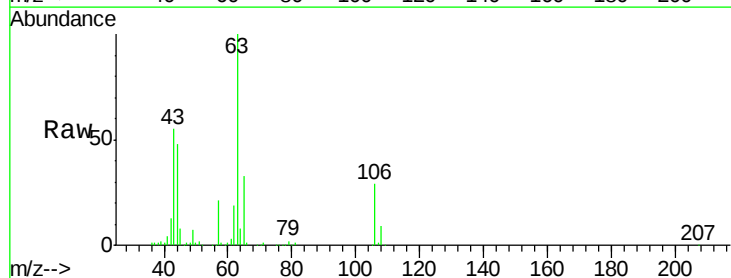
Manual Integrations
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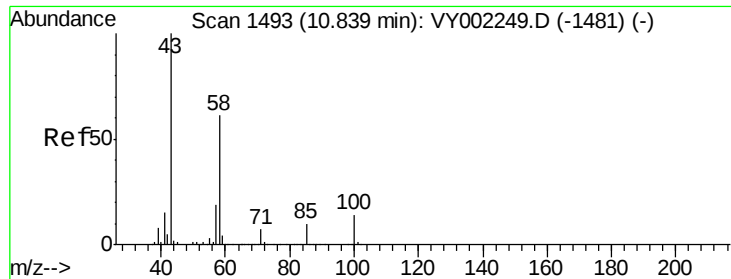
MMDadoda
 4/14/2020 10:01:56 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 99.981 ug/l
 RT: 9.80 min Scan# 1322
 Delta R.T. 0.01 min
 Lab File: VY002278.D
 Acq: 13 Apr 2020 14:32

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.2	22.2	33.2





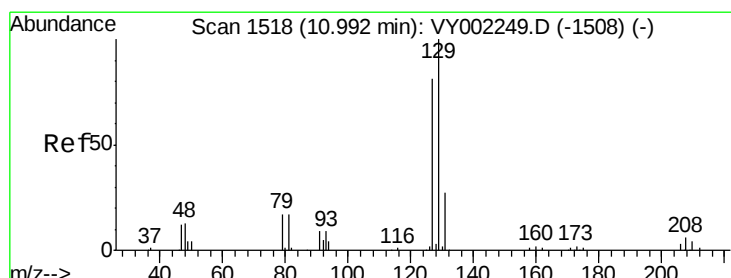
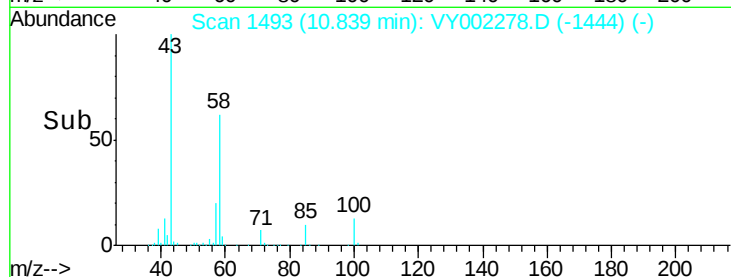
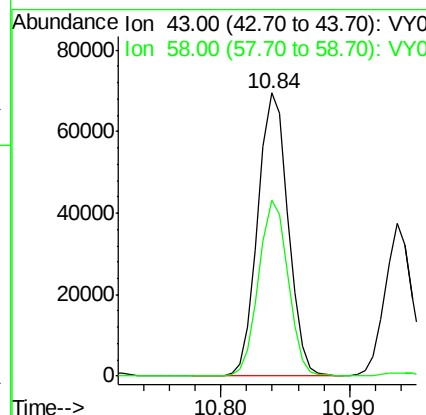
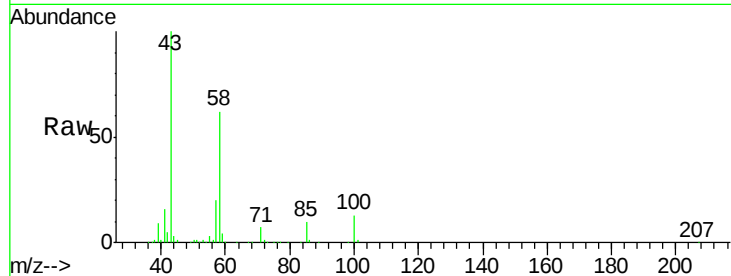
#59
2-Hexanone
Concen: 96.697 ug/l
RT: 10.84 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VY002278.D
Acq: 13 Apr 2020 14:32

Instrument :
MSVOA_Y
ClientSampleId :
VY0413BSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	60.2	29.8	89.3

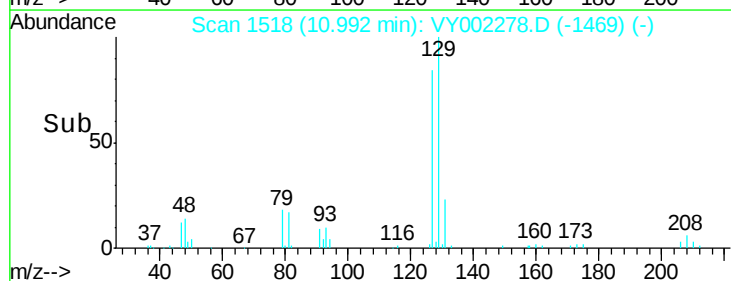
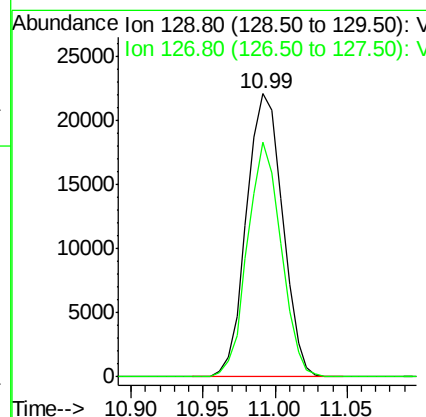
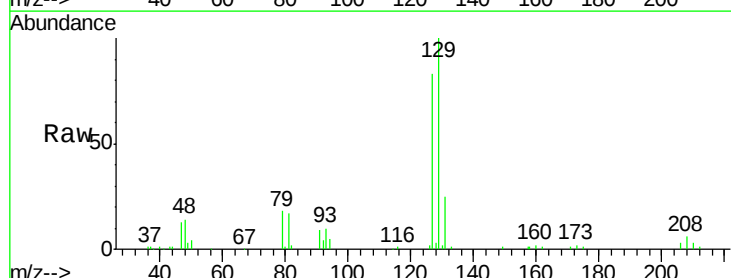
Manual Integrations
APPROVED

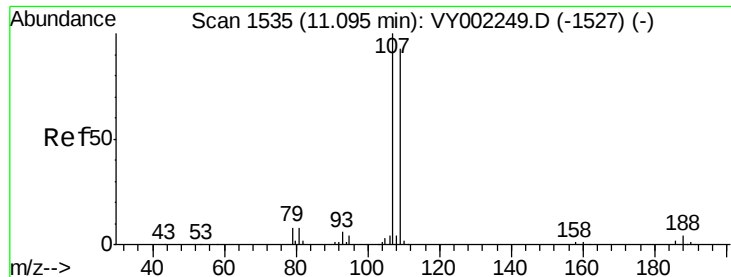
MMDadoda
4/14/2020 10:01:56 AM



#60
Dibromochloromethane
Concen: 20.120 ug/l
RT: 10.99 min Scan# 1518
Delta R.T. -0.00 min
Lab File: VY002278.D
Acq: 13 Apr 2020 14:32

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.9	39.0	117.0





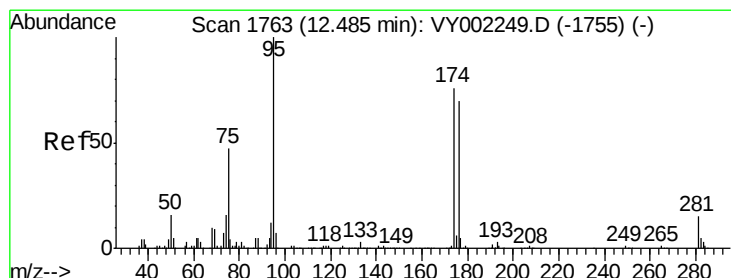
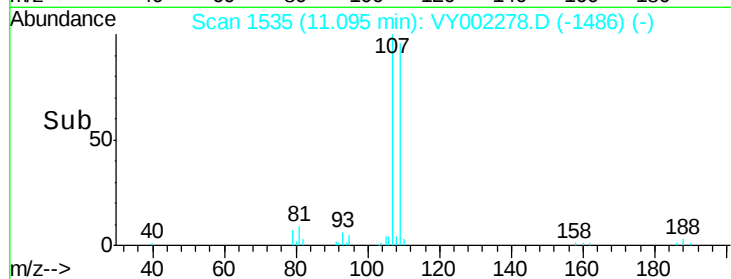
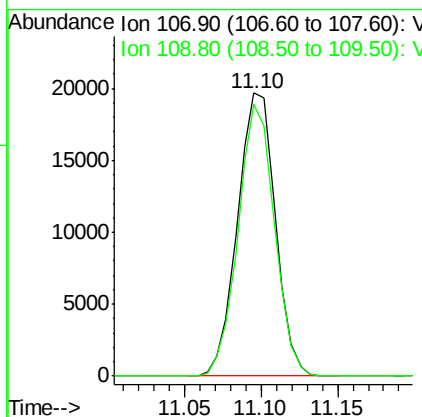
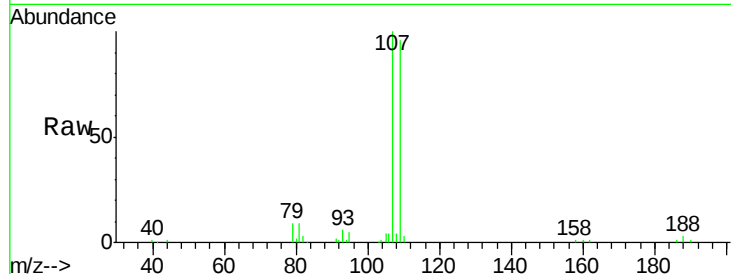
#61
 1,2-Dibromoethane
 Concen: 19.871 ug/l
 RT: 11.10 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VY002278.D
 Acq: 13 Apr 2020 14:32

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0413BSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.4	75.6	113.4

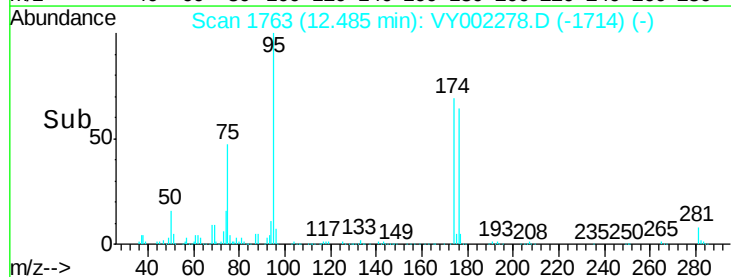
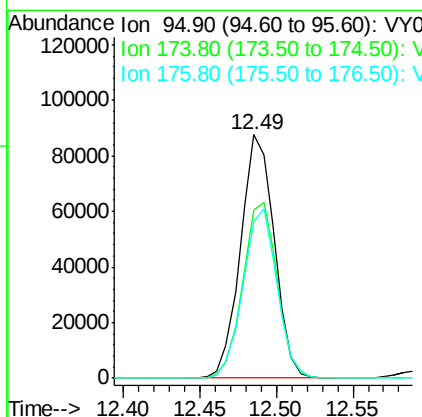
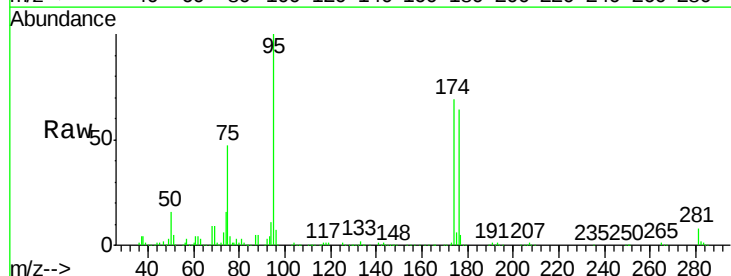
Manual Integrations
 APPROVED

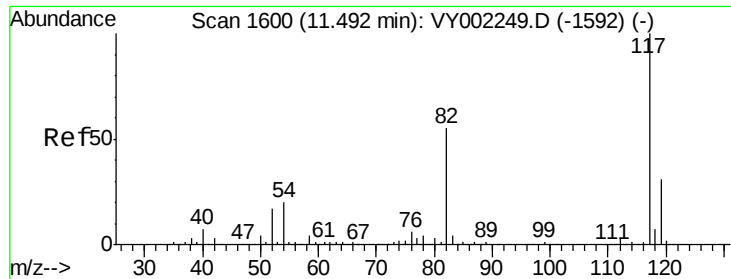
MMDadoda
 4/14/2020 10:01:56 AM



#62
 4-Bromofluorobenzene
 Concen: 51.663 ug/l
 RT: 12.49 min Scan# 1763
 Delta R.T. -0.00 min
 Lab File: VY002278.D
 Acq: 13 Apr 2020 14:32

Tgt Ion	Ratio	Lower	Upper
95	100		
174	73.5	0.0	150.6
176	70.2	0.0	141.4





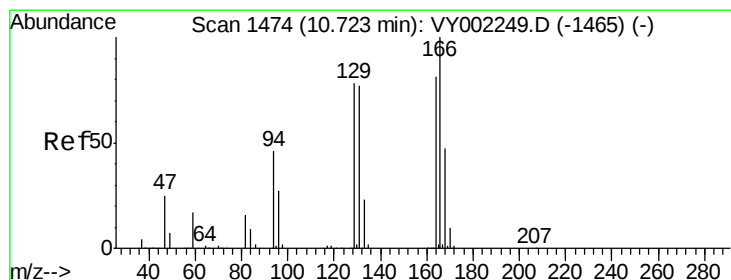
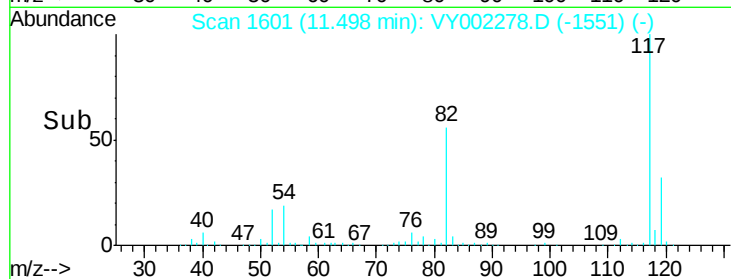
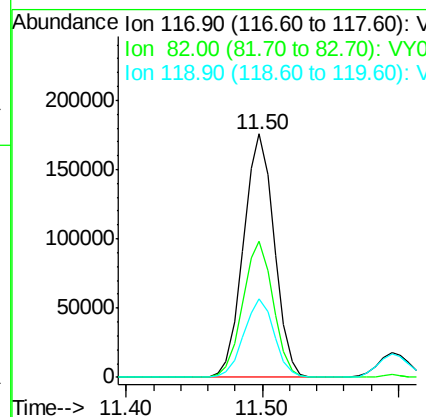
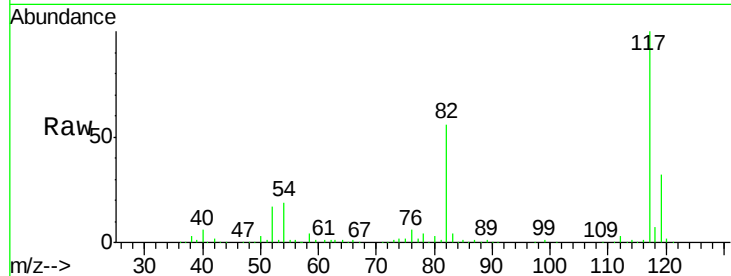
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. 0.01 min
Lab File: VY002278.D
Acq: 13 Apr 2020 14:32

Instrument :
MSVOA_Y
ClientSampleId :
VY0413BSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.6	44.2	66.4
119	32.0	25.1	37.7

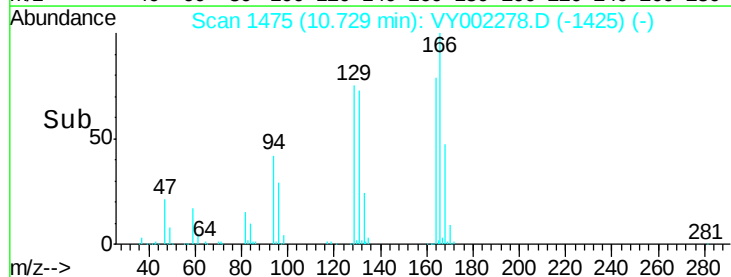
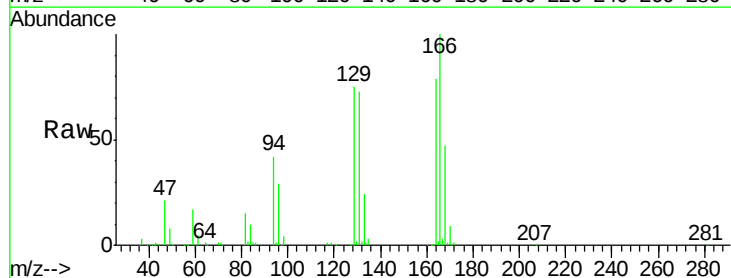
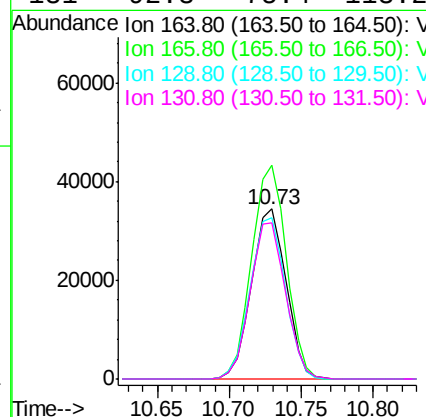
Manual Integrations
APPROVED

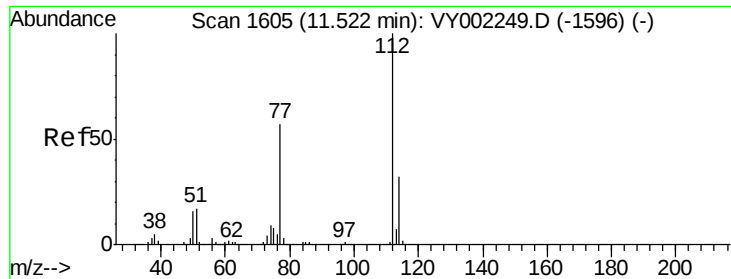
MMDadoda
4/14/2020 10:01:56 AM



#64
Tetrachloroethene
Concen: 20.290 ug/l
RT: 10.73 min Scan# 1475
Delta R.T. 0.01 min
Lab File: VY002278.D
Acq: 13 Apr 2020 14:32

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.9	98.4	147.6
129	94.8	76.6	115.0
131	92.3	75.4	113.2





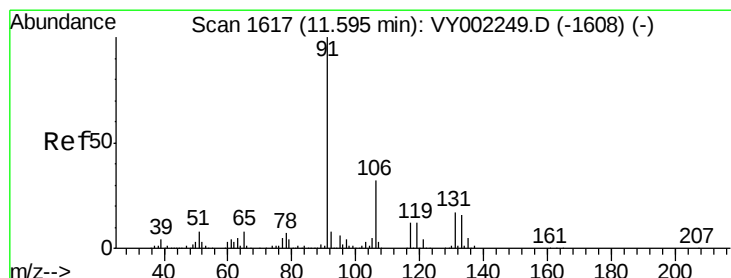
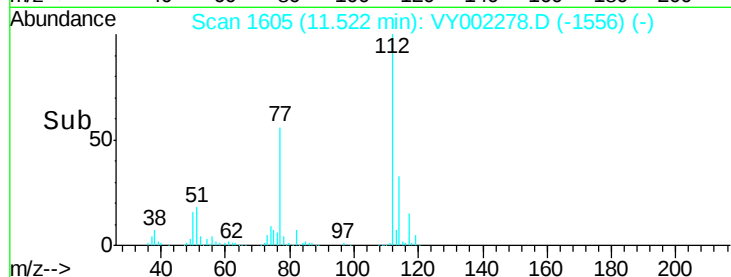
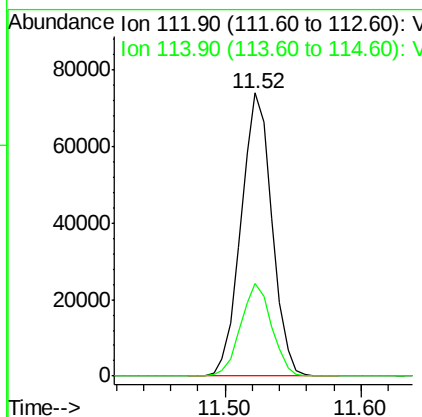
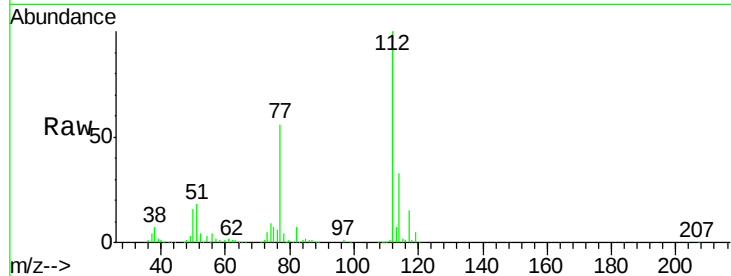
#65
Chlorobenzene
Concen: 20.339 ug/l
RT: 11.52 min Scan# 1605
Delta R.T. -0.00 min
Lab File: VY002278.D
Acq: 13 Apr 2020 14:32

Instrument :
MSVOA_Y
ClientSampleId :
VY0413BSD01

Tot Ion:112 Resp: 117444
Ion Ratio Lower Upper
112 100
114 32.7 25.6 38.4

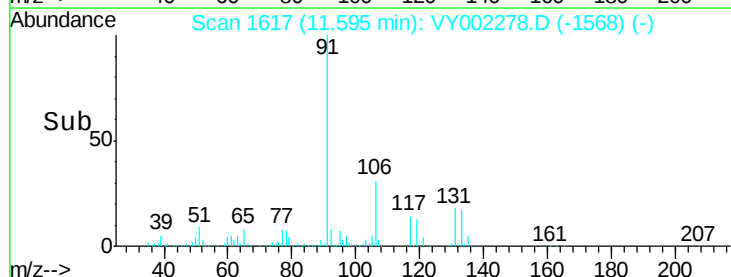
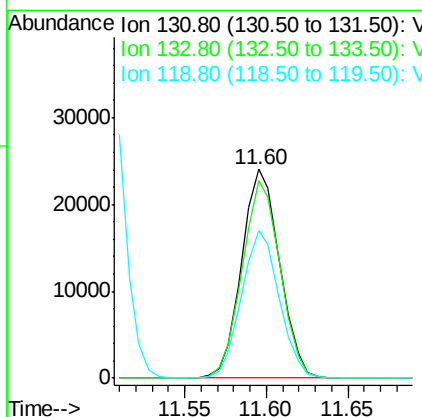
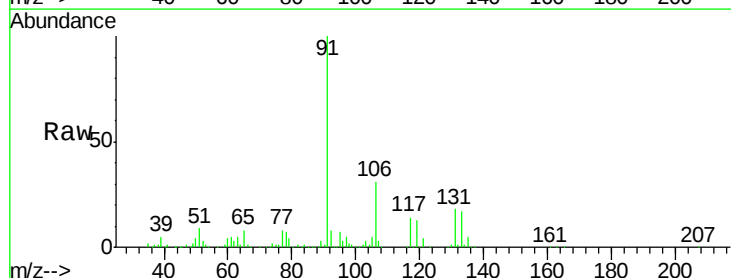
Manual Integrations
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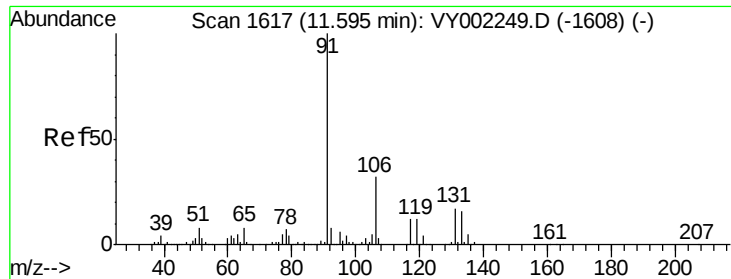
MMDadoda
4/14/2020 10:01:56 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.484 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. -0.00 min
Lab File: VY002278.D
Acq: 13 Apr 2020 14:32

Tgt Ion:131 Resp: 39051
Ion Ratio Lower Upper
131 100
133 94.7 46.5 139.3
119 70.1 34.5 103.6





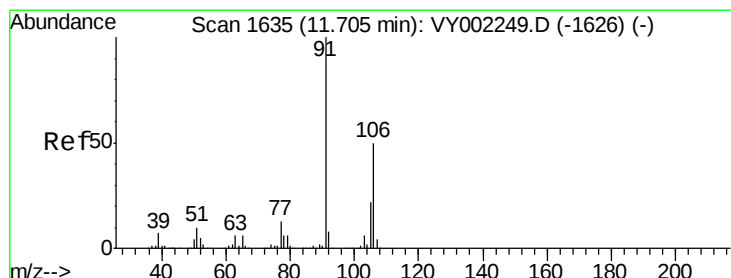
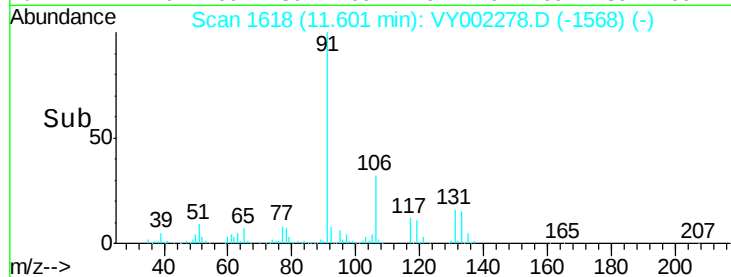
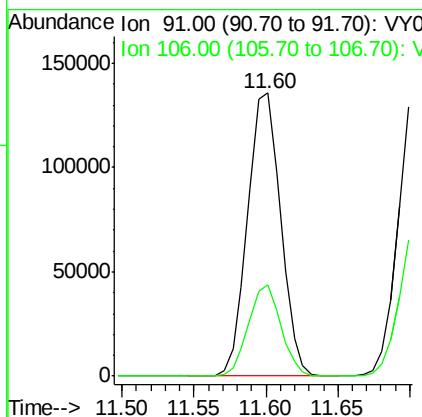
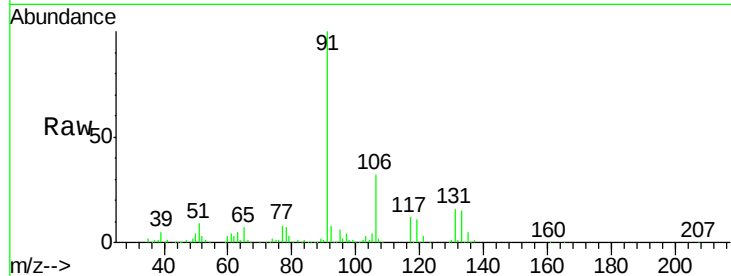
#67
Ethyl Benzene
Concen: 20.391 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. 0.01 min
Lab File: VY002278.D
Acq: 13 Apr 2020 14:32

Instrument :
MSVOA_Y
ClientSampleId :
VY0413BSD01

Tot Ion: 91 Resp: 21551
Ion Ratio Lower Upper
91 100
106 32.3 25.4 38.0

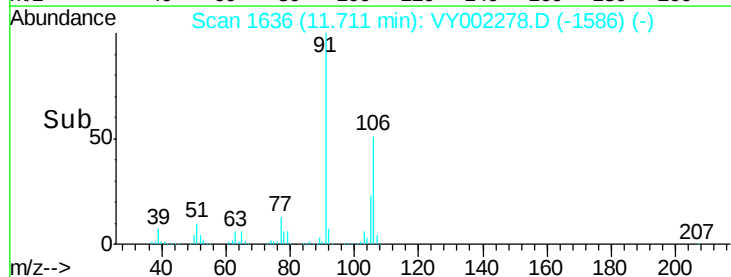
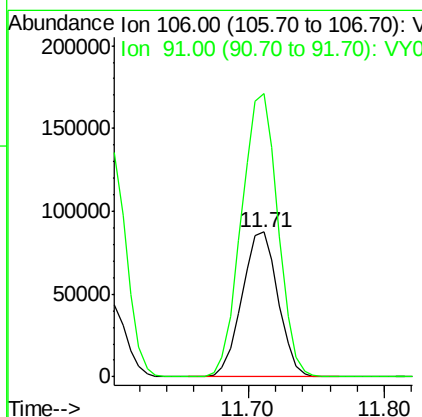
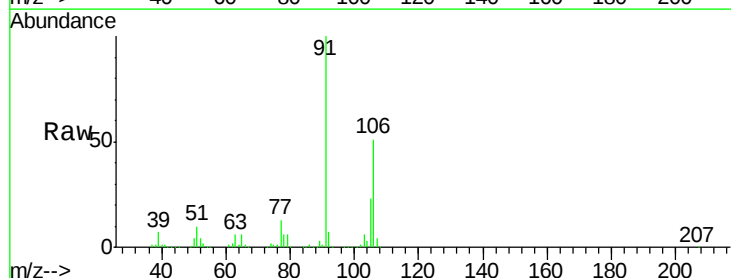
Manual Integrations
APPROVED

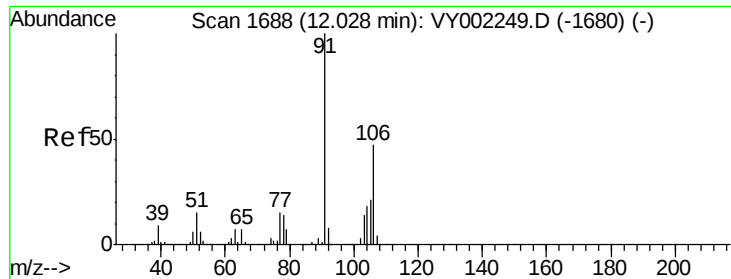
MMDadoda
4/14/2020 10:01:56 AM



#68
m/p-Xylenes
Concen: 41.018 ug/l
RT: 11.71 min Scan# 1636
Delta R.T. 0.01 min
Lab File: VY002278.D
Acq: 13 Apr 2020 14:32

Tgt Ion: 106 Resp: 162397
Ion Ratio Lower Upper
106 100
91 197.4 159.8 239.6





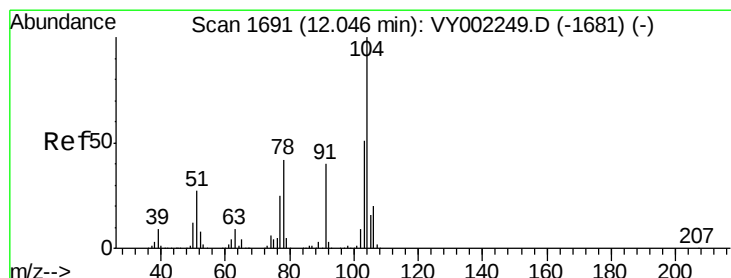
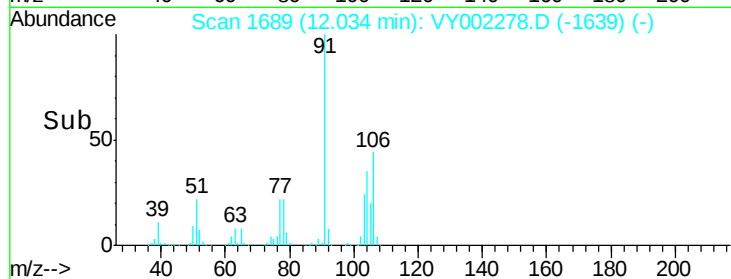
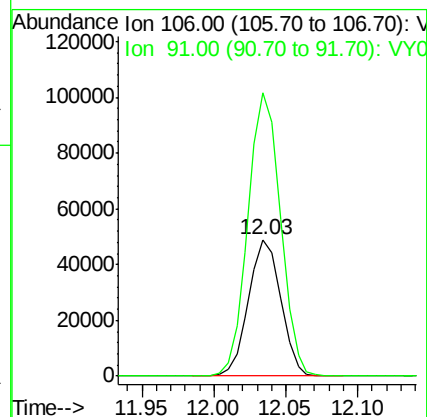
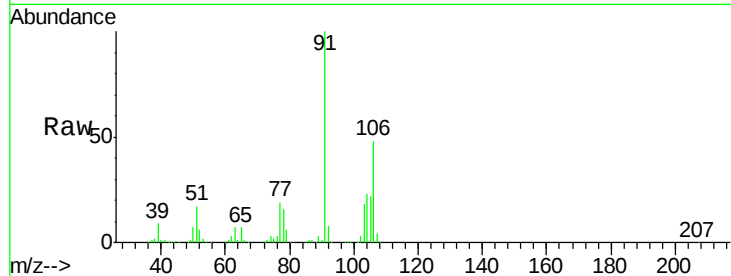
#69
o-Xylene
Concen: 20.484 ug/l
RT: 12.03 min Scan# 1689
Delta R.T. 0.01 min
Lab File: VY002278.D
Acq: 13 Apr 2020 14:32

Instrument :
MSVOA_Y
ClientSampleId :
VY0413BSD01

Tot Ion:106 Resp: 76142
Ion Ratio Lower Upper
106 100
91 208.2 105.8 317.3

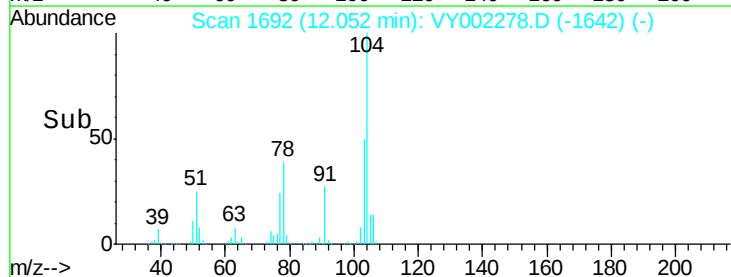
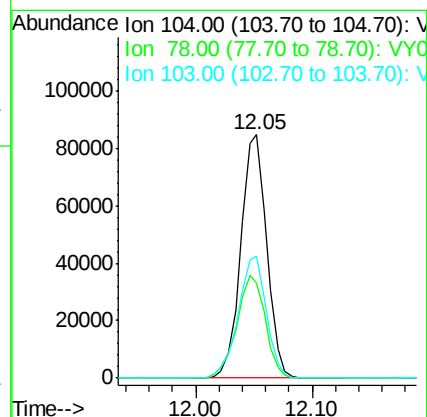
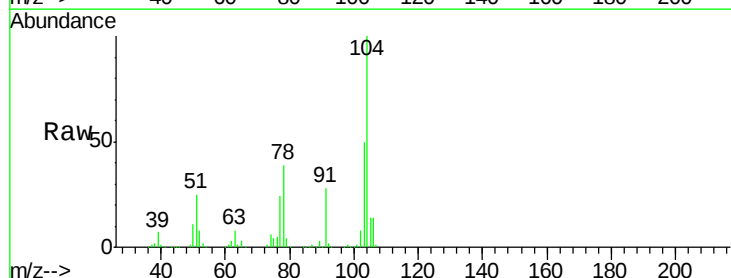
Manual Integrations
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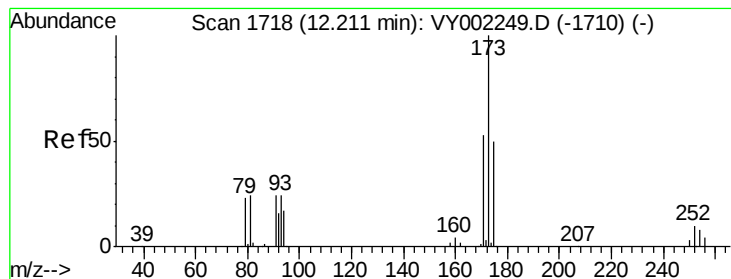
MMDadoda
4/14/2020 10:01:56 AM



#70
Styrene
Concen: 20.322 ug/l
RT: 12.05 min Scan# 1692
Delta R.T. 0.01 min
Lab File: VY002278.D
Acq: 13 Apr 2020 14:32

Tgt Ion:104 Resp: 131057
Ion Ratio Lower Upper
104 100
78 46.6 37.2 55.8
103 54.4 43.4 65.0





#71

Bromoform

Concen: 20.601 ug/l

RT: 12.21 min Scan# 1718

Delta R.T. -0.00 min

Lab File: VY002278.D

Acq: 13 Apr 2020 14:32

Instrument :

MSVOA_Y

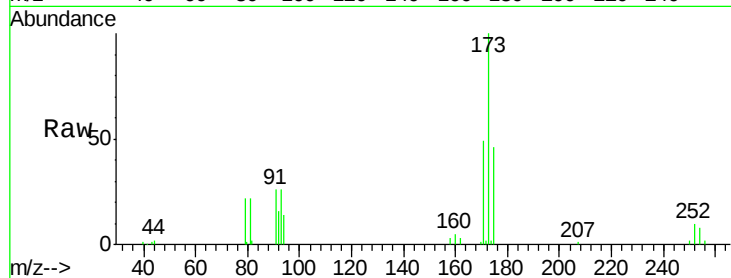
ClientSampleId :

VY0413BSD01

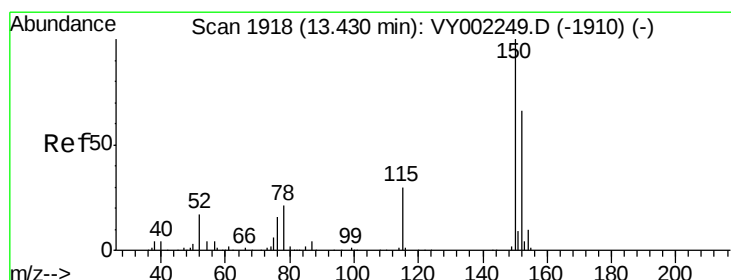
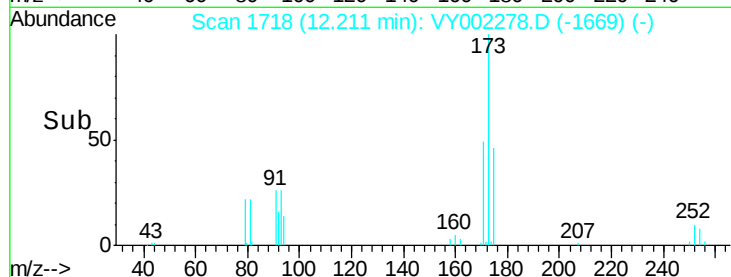
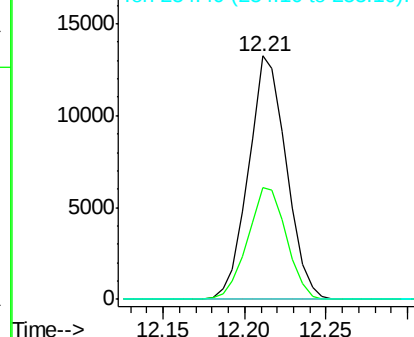
Tot Ion:	173	Resp:	21358
Ion Ratio	Lower	Upper	
173	100		
175	47.0	24.1	72.3
254	0.0	0.0	0.0

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

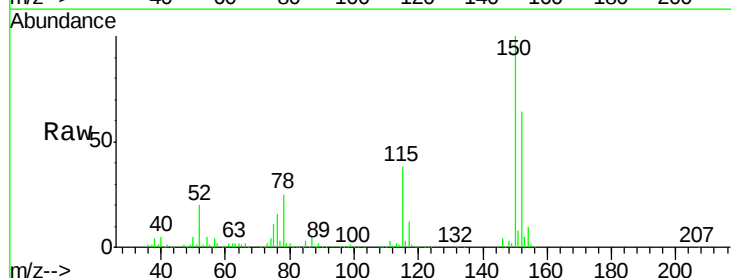
RT: 13.43 min Scan# 1918

Delta R.T. -0.00 min

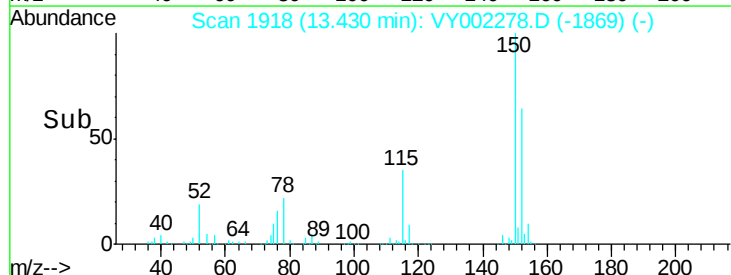
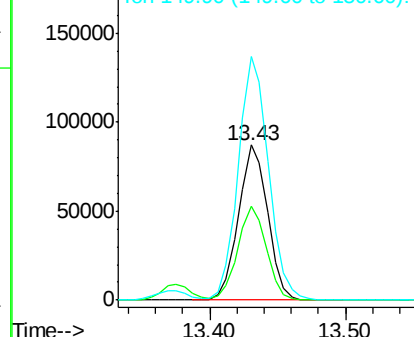
Lab File: VY002278.D

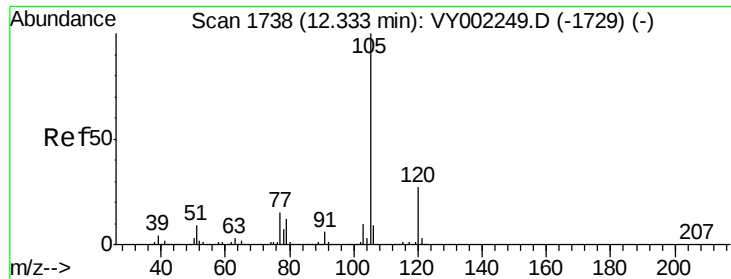
Acq: 13 Apr 2020 14:32

Tgt Ion:	152	Resp:	129830
Ion Ratio	Lower	Upper	
152	100		
115	59.5	30.7	92.1
150	163.1	0.0	350.6



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





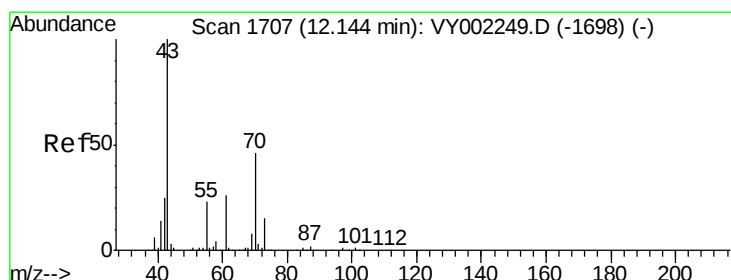
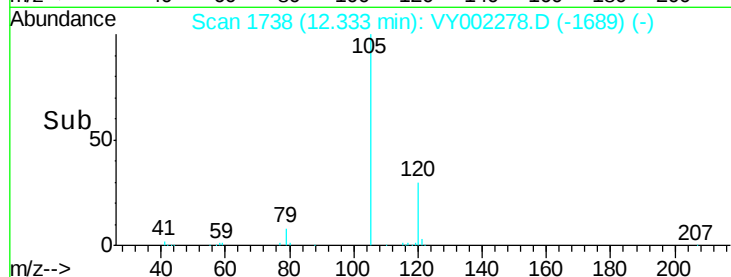
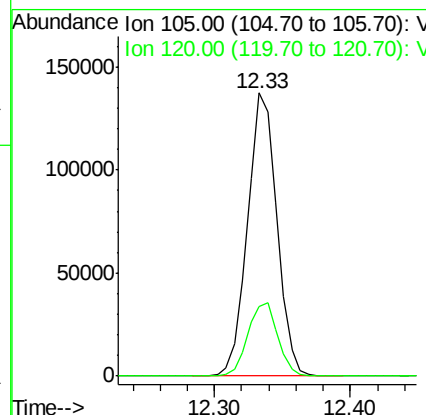
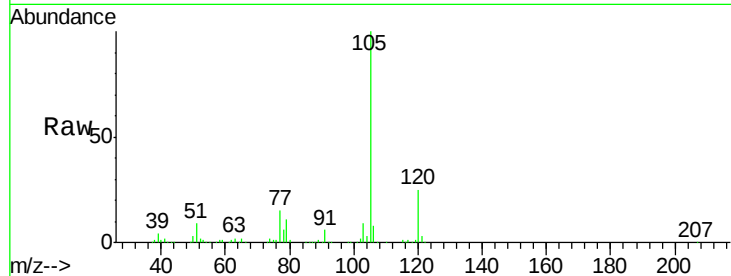
#73
Isopropylbenzene
Concen: 20.325 ug/l
RT: 12.33 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VY002278.D
Acq: 13 Apr 2020 14:32

Instrument :
MSVOA_Y
ClientSampleId :
VY0413BSD01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.5	13.3	39.8

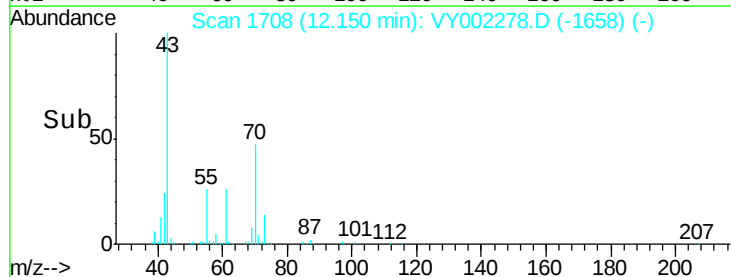
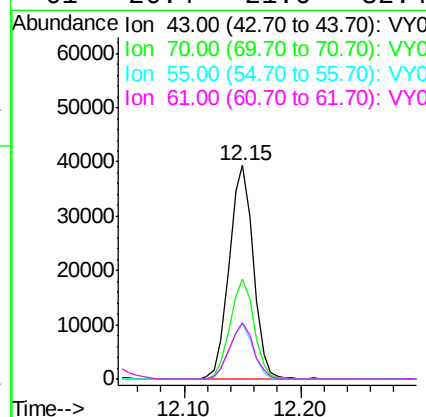
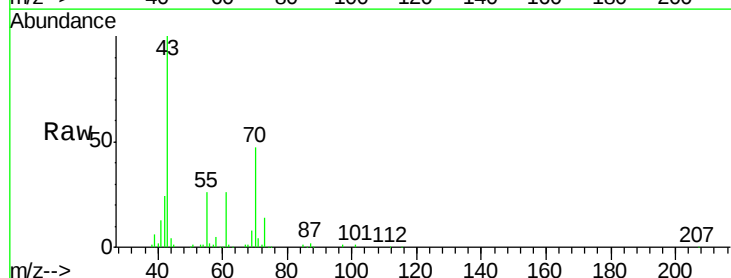
Manual Integrations
APPROVED

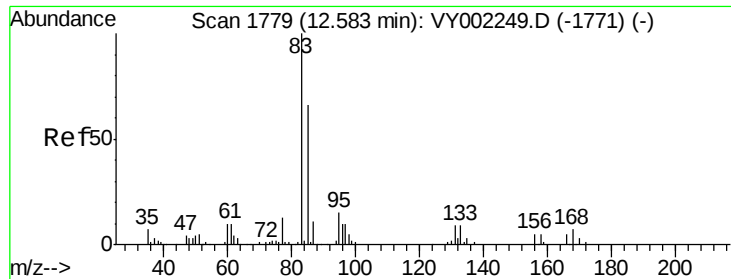
MMDadoda
4/14/2020 10:01:56 AM



#74
N-ethyl acetate
Concen: 19.479 ug/l
RT: 12.15 min Scan# 1708
Delta R.T. 0.01 min
Lab File: VY002278.D
Acq: 13 Apr 2020 14:32

Tgt Ion	Ratio	Lower	Upper
43	100		
70	46.3	37.5	56.3
55	25.0	19.0	28.6
61	26.4	21.6	32.4





#75

1,1,2,2-Tetrachloroethane

Concen: 21.342 ug/l

RT: 12.59 min Scan# 1780

Delta R.T. 0.01 min

Lab File: VY002278.D

Acq: 13 Apr 2020 14:32

Instrument :

MSVOA_Y

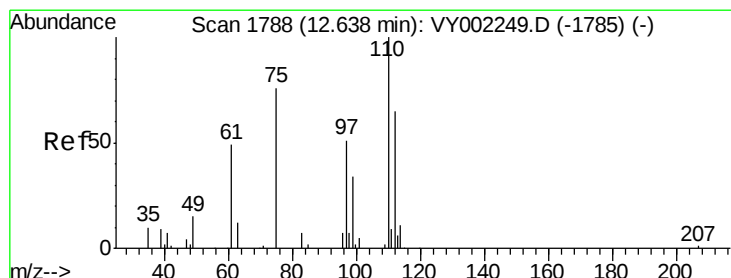
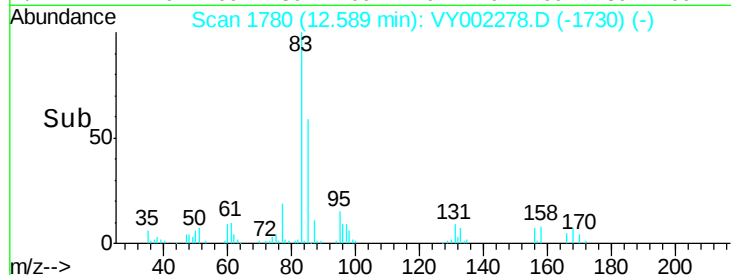
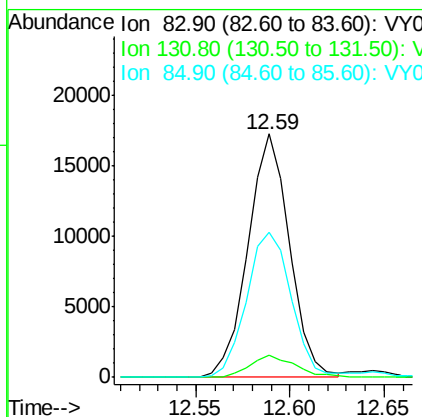
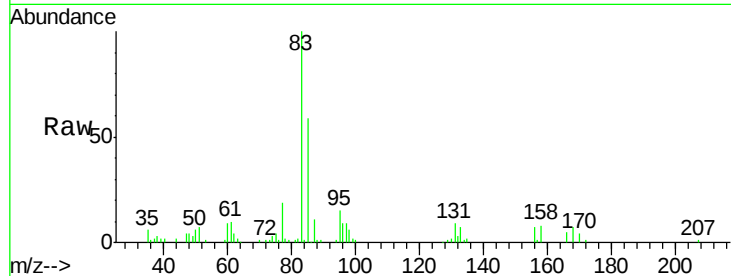
ClientSampleId :

VY0413BSD01

Tot Ion:	83	Resp:	26337
Ion Ratio	Lower	Upper	
83	100		
131	9.9	4.9	14.7
85	64.0	32.6	97.8

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#76

1,2,3-Trichloropropane

Concen: 20.201 ug/l m

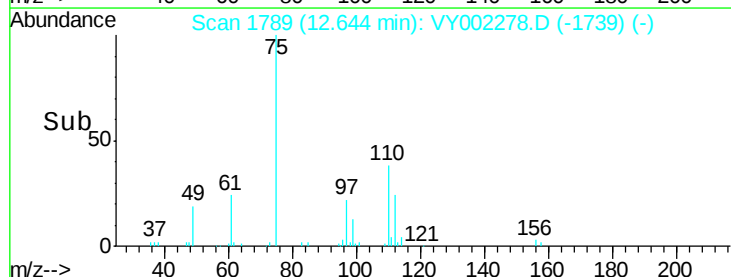
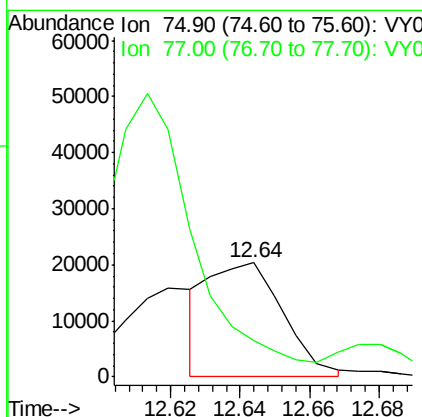
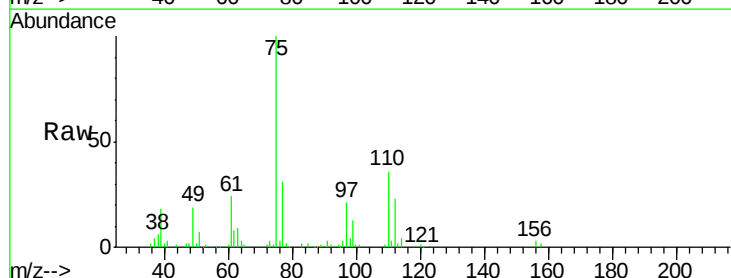
RT: 12.64 min Scan# 1789

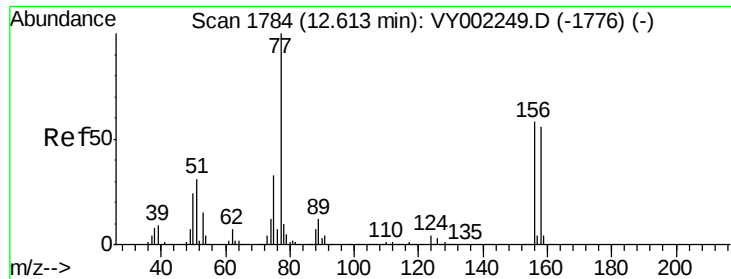
Delta R.T. 0.01 min

Lab File: VY002278.D

Acq: 13 Apr 2020 14:32

Tgt Ion:	75	Resp:	30455
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.047 ug/l

RT: 12.61 min Scan# 1784

Delta R.T. -0.00 min

Lab File: VY002278.D

Acq: 13 Apr 2020 14:32

Instrument :

MSVOA_Y

ClientSampleId :

VY0413SBS01

Tot Ion:156 Resp: 44985

Ion Ratio Lower Upper

156 100

77 201.4 101.3 303.9

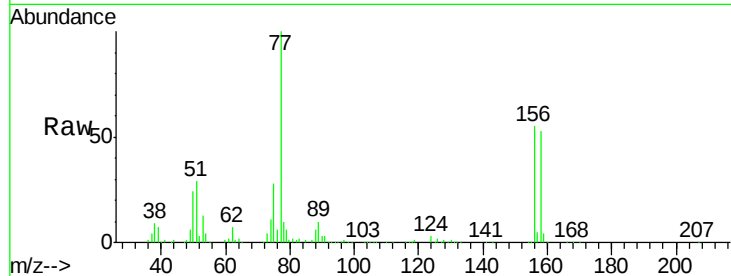
158 93.5 48.3 144.8

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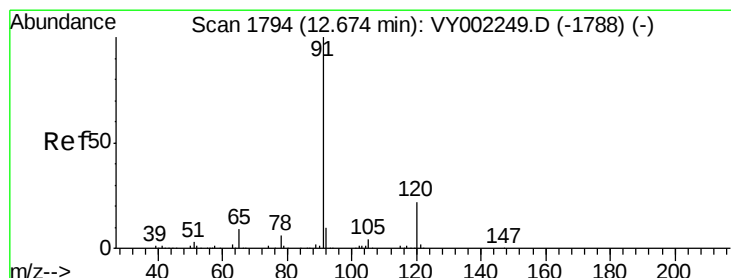
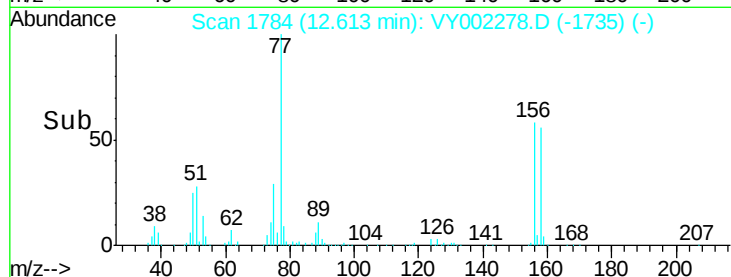
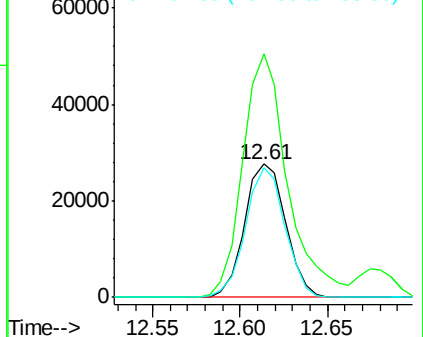
4/14/2020 10:01:56 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.938 ug/l

RT: 12.67 min Scan# 1794

Delta R.T. -0.00 min

Lab File: VY002278.D

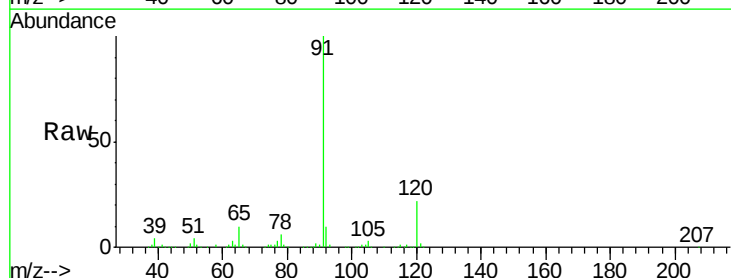
Acq: 13 Apr 2020 14:32

Tgt Ion: 91 Resp: 252922

Ion Ratio Lower Upper

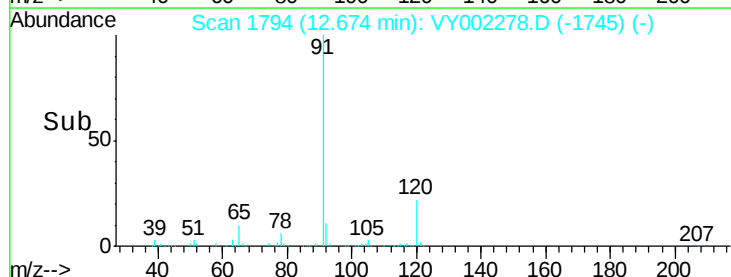
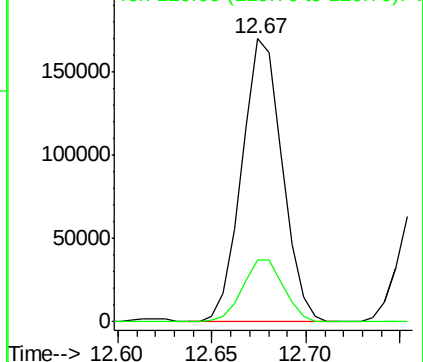
91 100

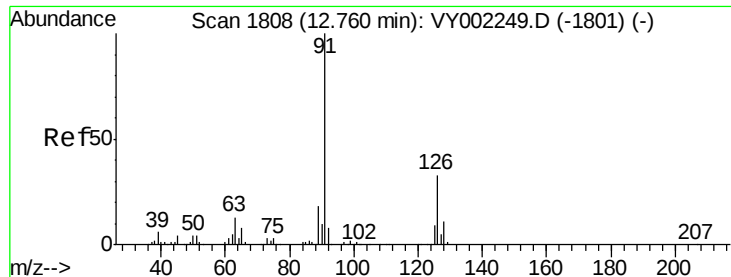
120 22.4 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





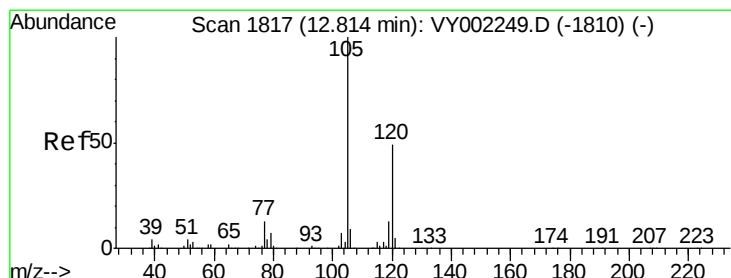
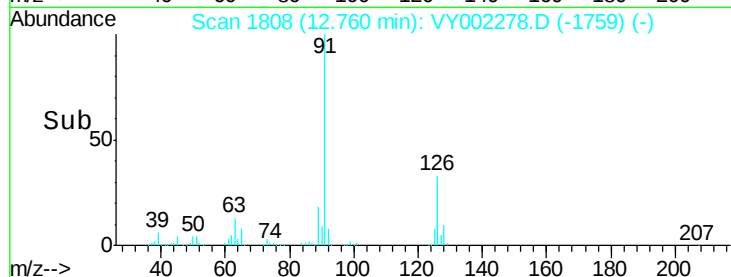
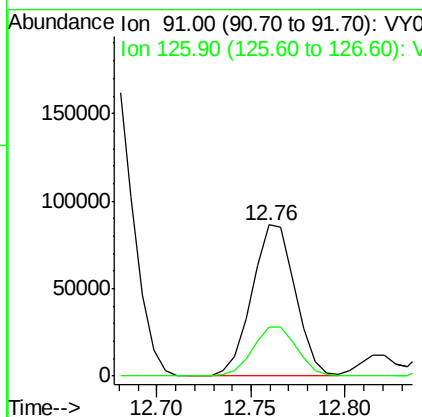
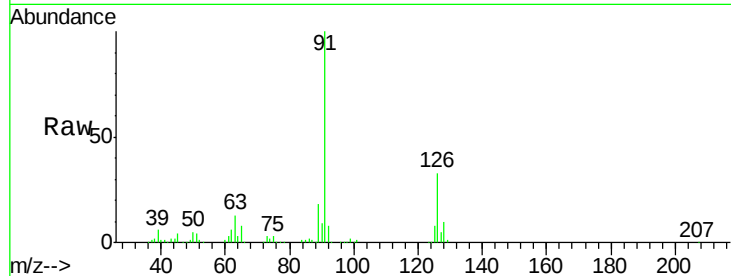
#79
 2-Chlorotoluene
 Concen: 19.982 ug/l
 RT: 12.76 min Scan# 1808
 Delta R.T. -0.00 min
 Lab File: VY002278.D
 Acq: 13 Apr 2020 14:32

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0413SBS01

Tot Ion: 91 Resp: 137752
 Ion Ratio Lower Upper
 91 100
 126 33.6 16.9 50.7

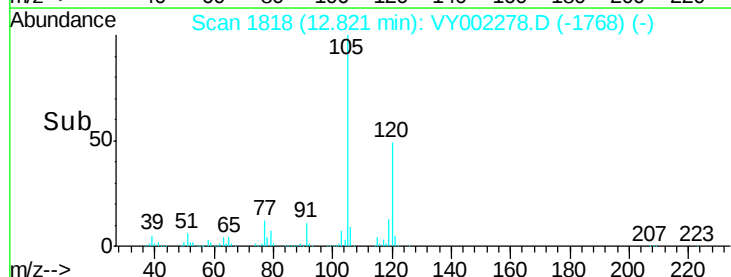
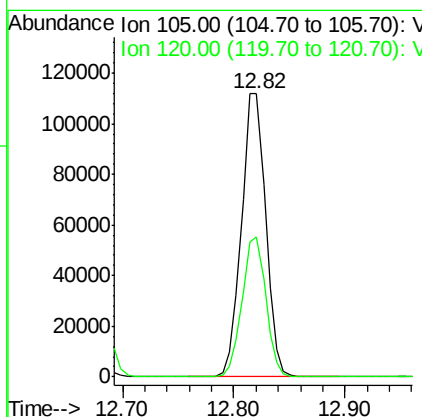
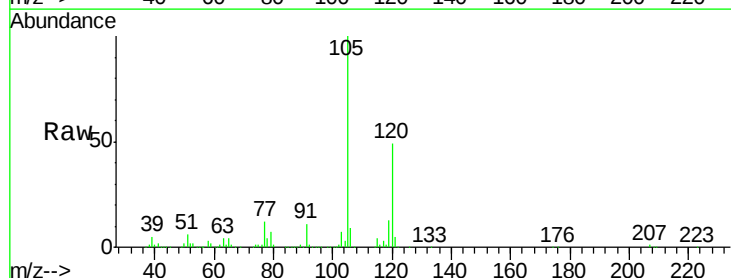
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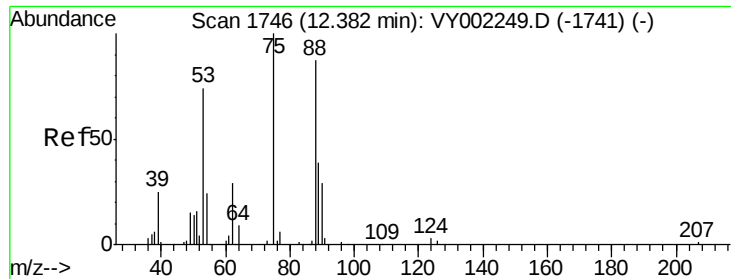
MMDadoda
 4/14/2020 10:01:56 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 20.079 ug/l
 RT: 12.82 min Scan# 1818
 Delta R.T. 0.01 min
 Lab File: VY002278.D
 Acq: 13 Apr 2020 14:32

Tgt Ion: 105 Resp: 169377
 Ion Ratio Lower Upper
 105 100
 120 48.7 24.7 74.1





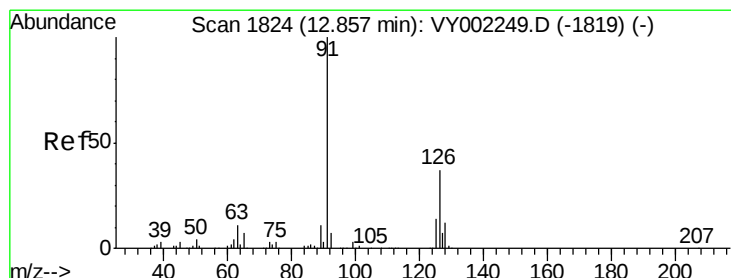
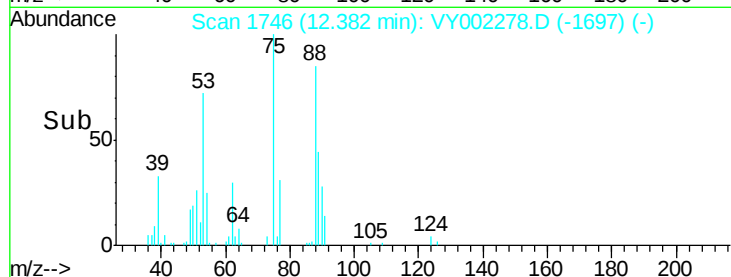
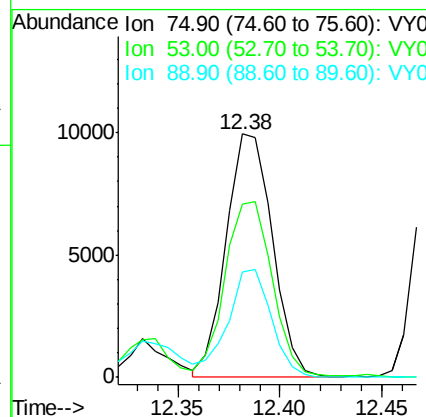
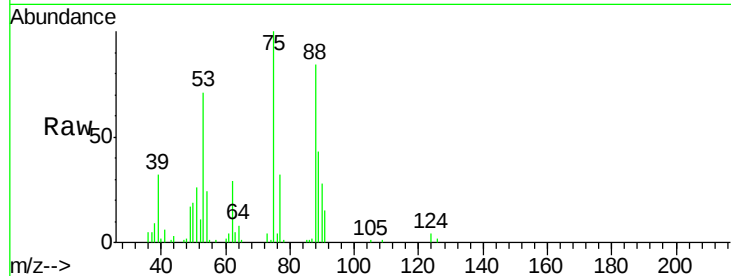
#81
trans-1,4-Dichloro-2-butene
Concen: 20.208 ug/l
RT: 12.38 min Scan# 1746
Delta R.T. -0.00 min
Lab File: VY002278.D
Acq: 13 Apr 2020 14:32

Instrument :
MSVOA_Y
ClientSampleId :
VY0413SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	72.9	59.8	89.8
89	41.9	37.0	55.6

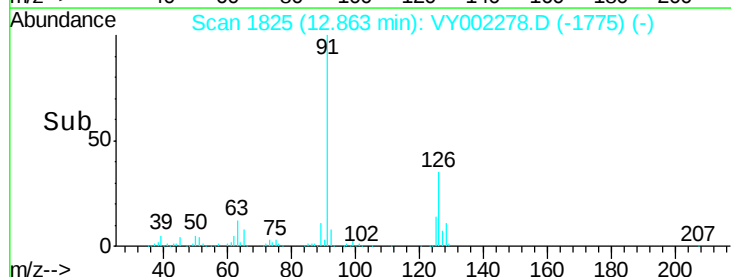
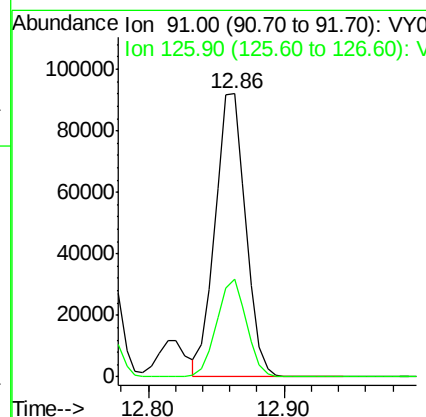
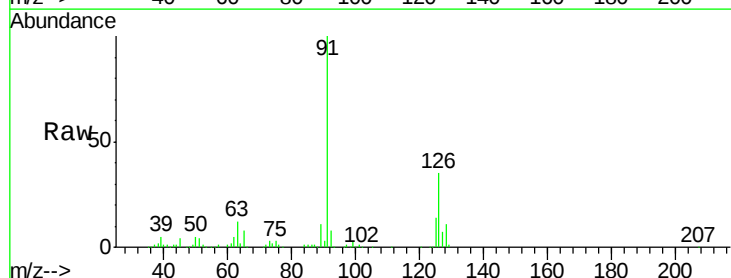
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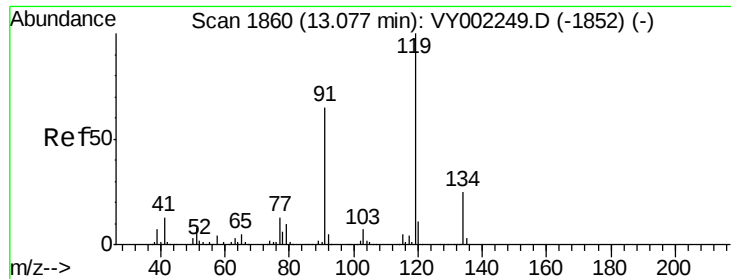
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#82
4-Chlorotoluene
Concen: 19.748 ug/l
RT: 12.86 min Scan# 1825
Delta R.T. 0.01 min
Lab File: VY002278.D
Acq: 13 Apr 2020 14:32

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.7	16.9	50.7





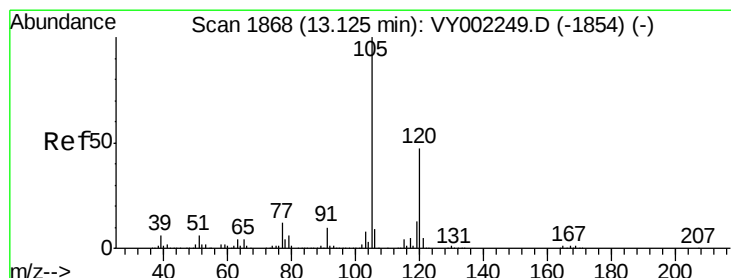
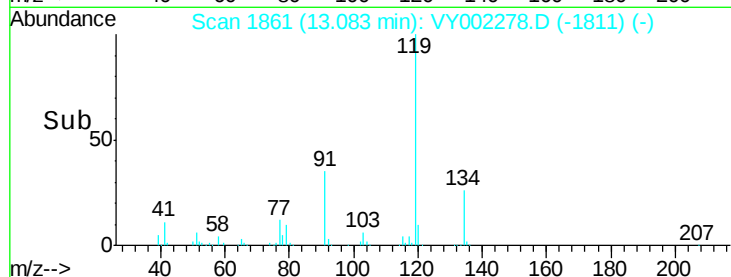
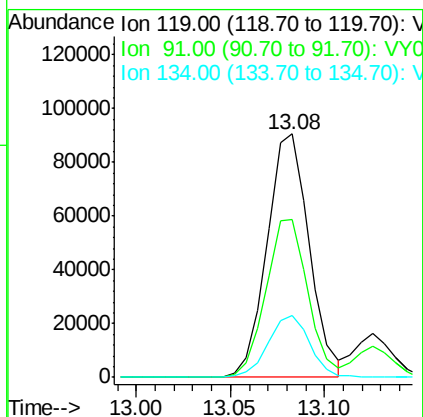
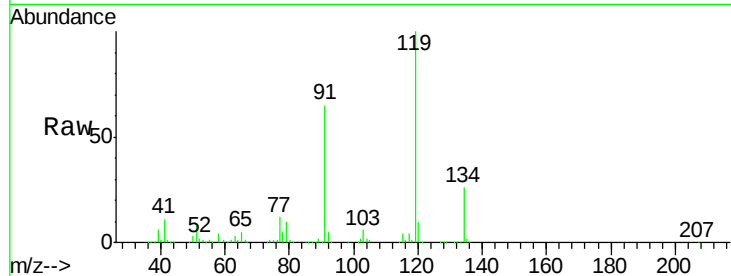
#83
 tert-Butylbenzene
 Concen: 19.894 ug/l
 RT: 13.08 min Scan# 1861
 Delta R.T. 0.01 min
 Lab File: VY002278.D
 Acq: 13 Apr 2020 14:32

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0413BSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	140566		
91	64.6		32.4	97.0
134	25.2		12.6	37.6

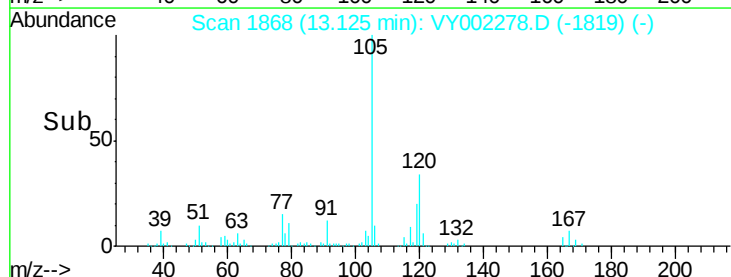
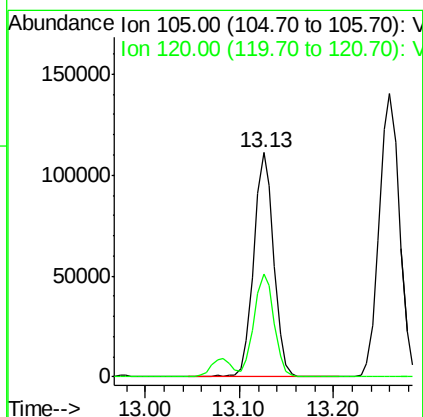
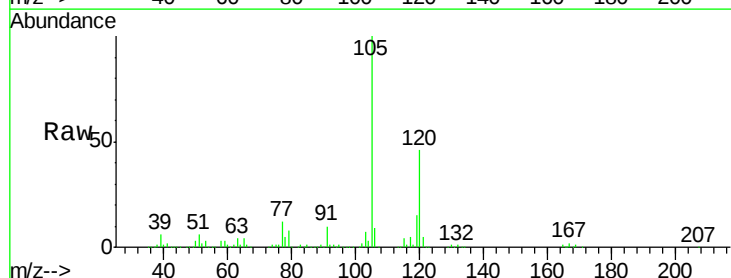
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.778 ug/l
 RT: 13.13 min Scan# 1868
 Delta R.T. -0.00 min
 Lab File: VY002278.D
 Acq: 13 Apr 2020 14:32

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	166595		
120	45.9		23.1	69.2





#85

sec-Butylbenzene

Concen: 19.965 ug/l

RT: 13.26 min Scan# 1890

Delta R.T. 0.01 min

Lab File: VY002278.D

Acq: 13 Apr 2020 14:32

Instrument :

MSVOA_Y

ClientSampleId :

VY0413BSD01

Tot Ion:105 Resp: 210141

Ion Ratio Lower Upper

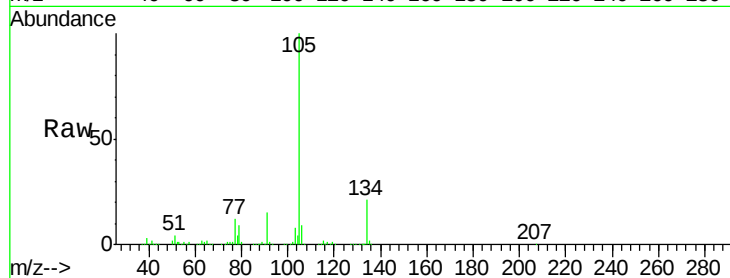
105 100

134 19.5 9.8 29.3

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.26

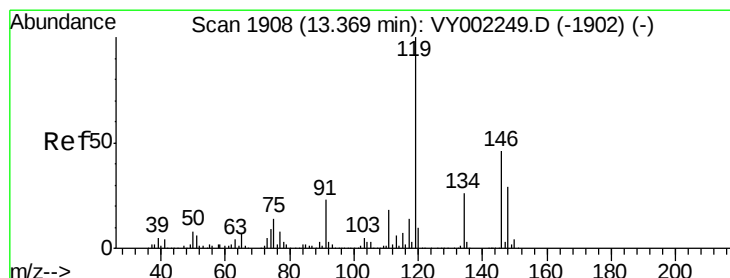
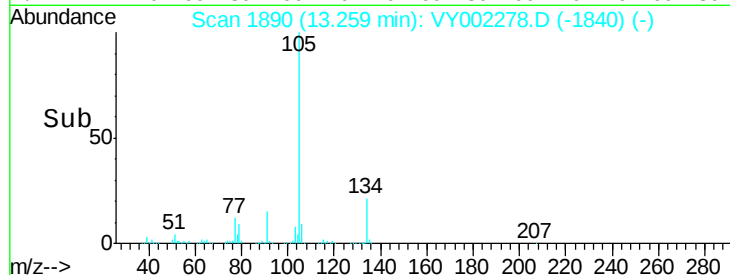
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 20.155 ug/l

RT: 13.38 min Scan# 1909

Delta R.T. 0.01 min

Lab File: VY002278.D

Acq: 13 Apr 2020 14:32

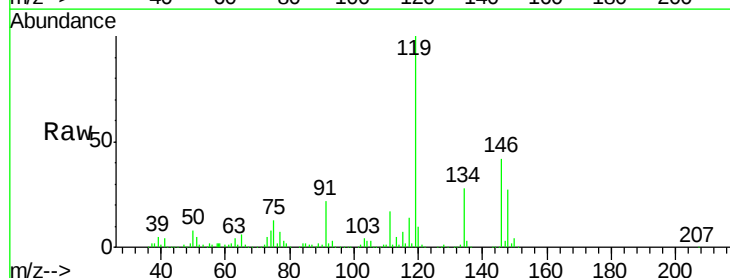
Tgt Ion:119 Resp: 182583

Ion Ratio Lower Upper

119 100

134 26.7 13.3 39.9

91 23.1 11.5 34.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0

13.38

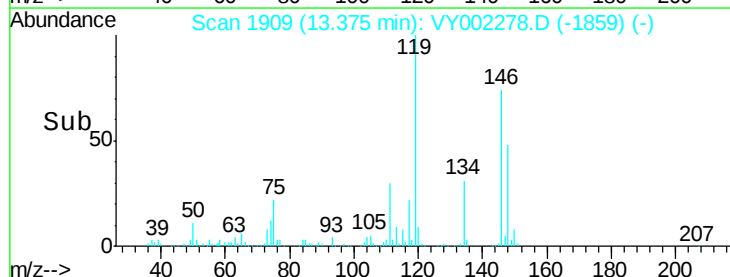
150000

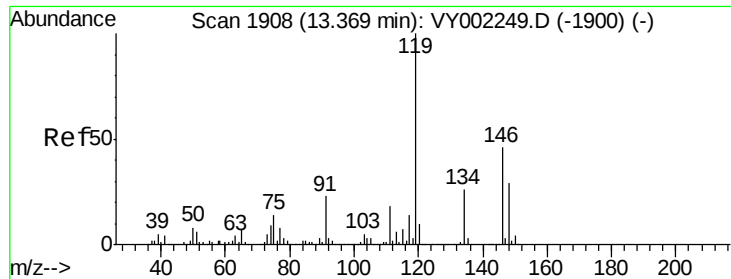
100000

50000

0

Time-->





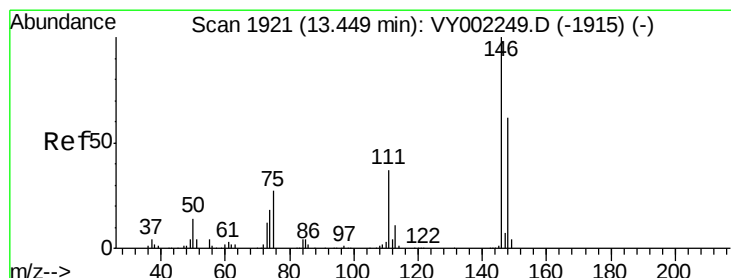
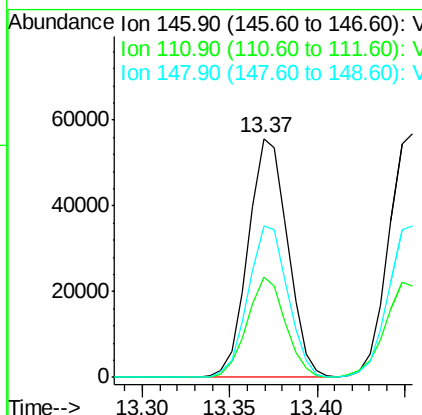
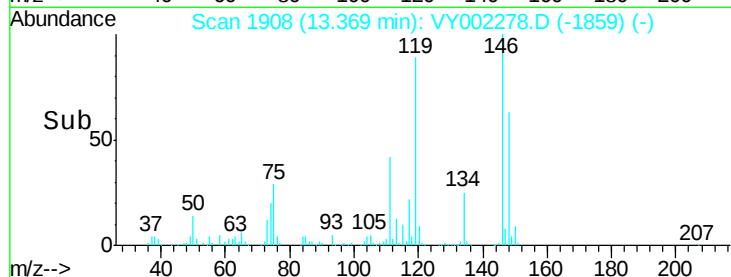
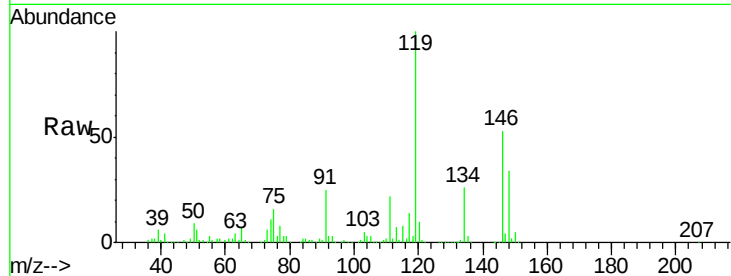
#87
 1,3-Dichlorobenzene
 Concen: 20.059 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. -0.00 min
 Lab File: VY002278.D
 Acq: 13 Apr 2020 14:32

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0413BSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.3	60.8
148	63.7	32.1	96.3

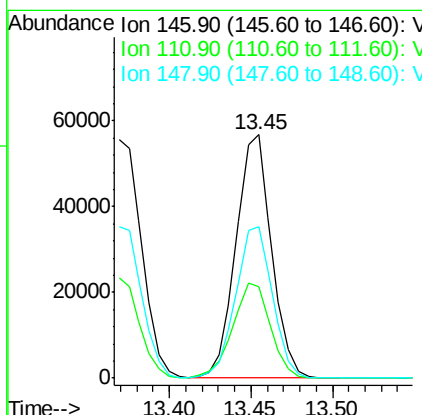
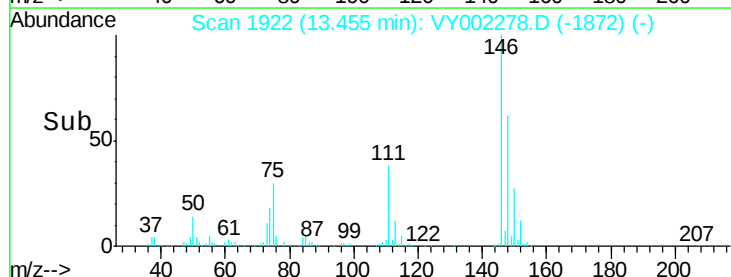
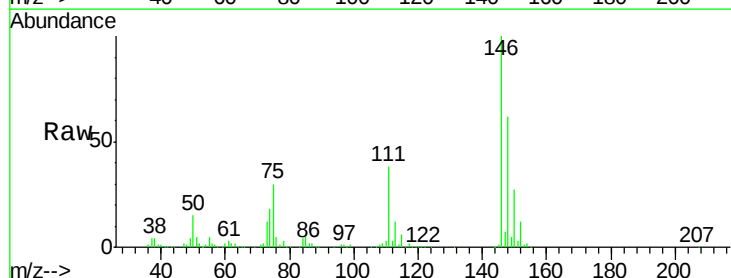
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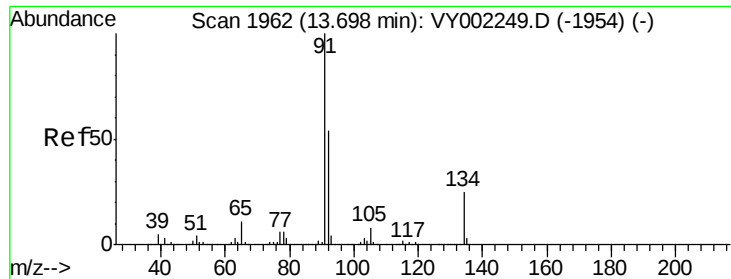
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#88
 1,4-Dichlorobenzene
 Concen: 19.530 ug/l
 RT: 13.45 min Scan# 1922
 Delta R.T. 0.01 min
 Lab File: VY002278.D
 Acq: 13 Apr 2020 14:32

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.6	19.6	58.8
148	64.4	32.0	96.0





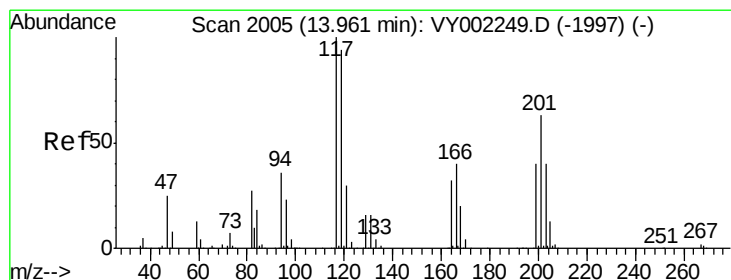
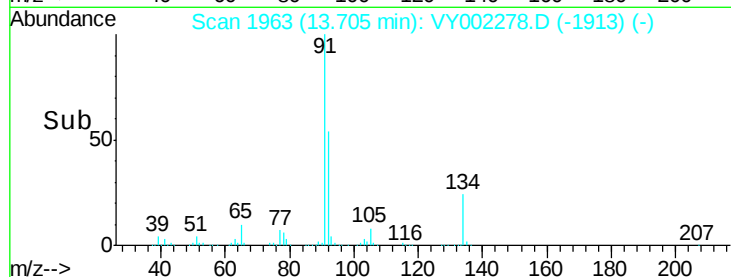
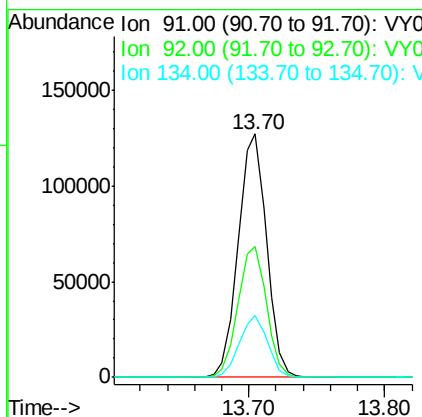
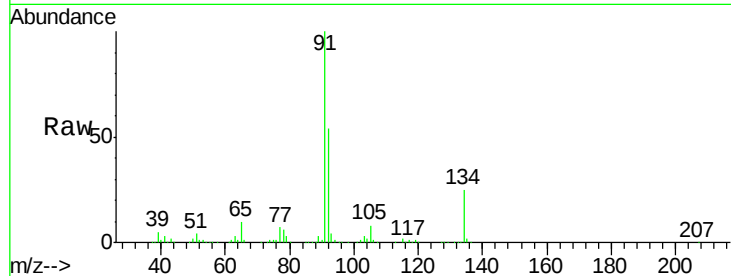
#89
n-Butylbenzene
Concen: 19.858 ug/l
RT: 13.70 min Scan# 1963
Delta R.T. 0.01 min
Lab File: VY002278.D
Acq: 13 Apr 2020 14:32

Instrument :
MSVOA_Y
ClientSampleId :
VY0413BSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	184400		
92	54.0	27.2	81.6	
134	25.1	12.7	38.0	

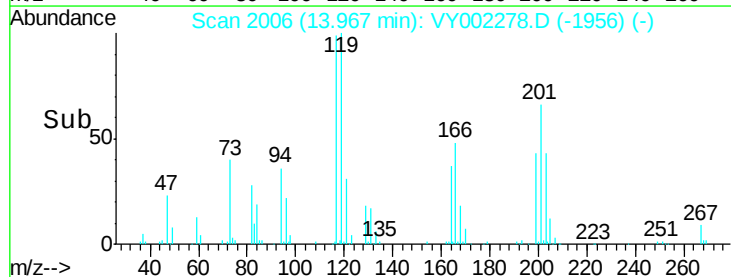
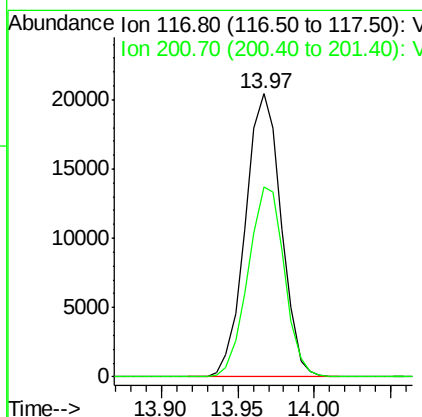
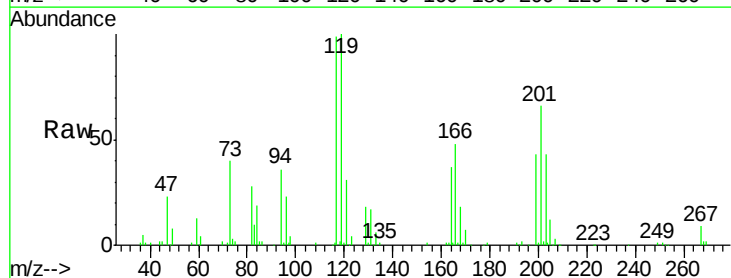
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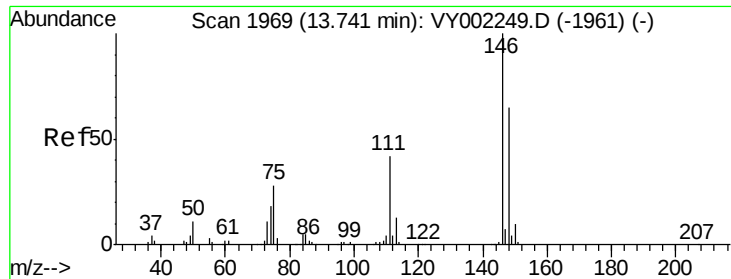
MMDadoda
4/14/2020 10:01:56 AM



#90
Hexachloroethane
Concen: 19.268 ug/l
RT: 13.97 min Scan# 2006
Delta R.T. 0.01 min
Lab File: VY002278.D
Acq: 13 Apr 2020 14:32

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	33262		
201	68.1	33.1	99.2	





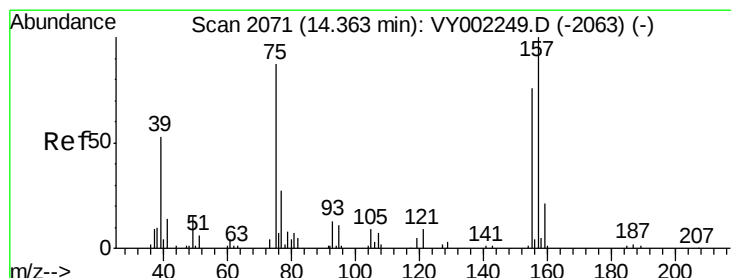
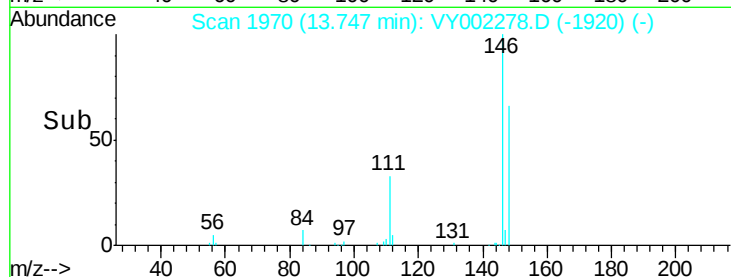
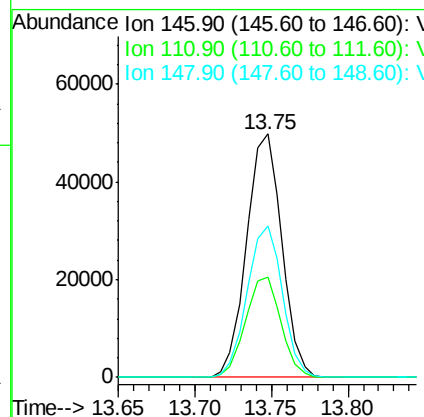
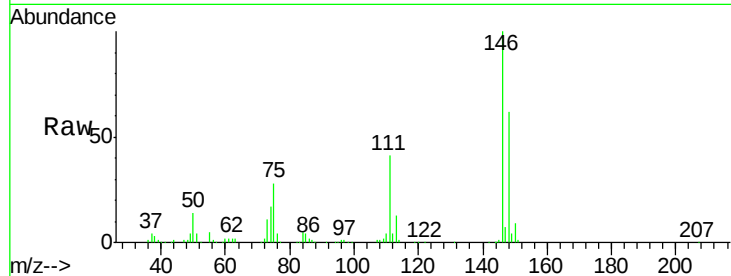
#91
 1,2-Dichlorobenzene
 Concen: 20.185 ug/l
 RT: 13.75 min Scan# 1970
 Delta R.T. 0.01 min
 Lab File: VY002278.D
 Acq: 13 Apr 2020 14:32

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0413BSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	21.1	63.1
148	62.2	31.9	95.9

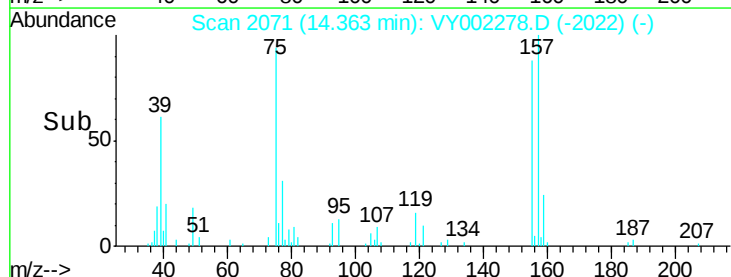
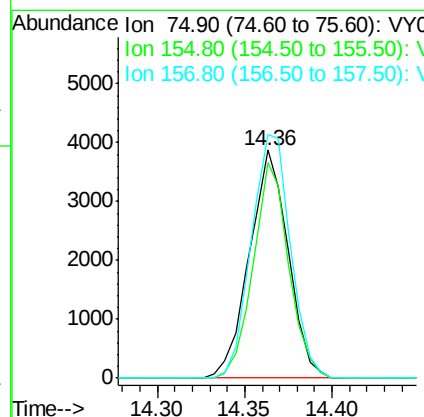
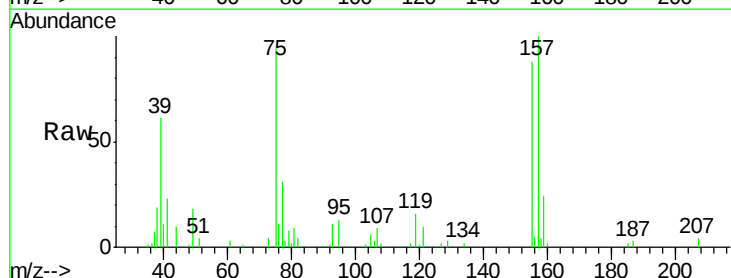
Manual Integrations
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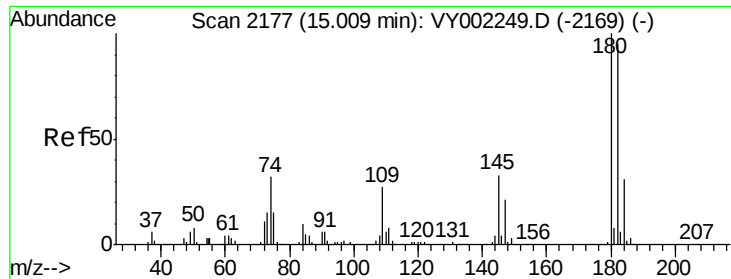
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 4/14/2020 10:01:56 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.107 ug/l
 RT: 14.36 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VY002278.D
 Acq: 13 Apr 2020 14:32

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.2	43.6	130.8
157	107.8	56.0	168.2





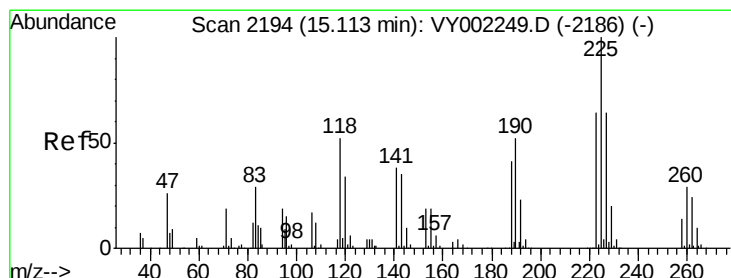
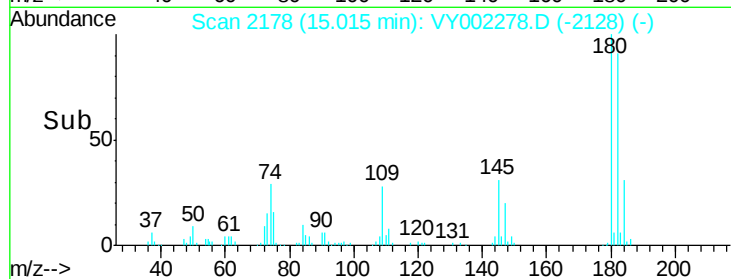
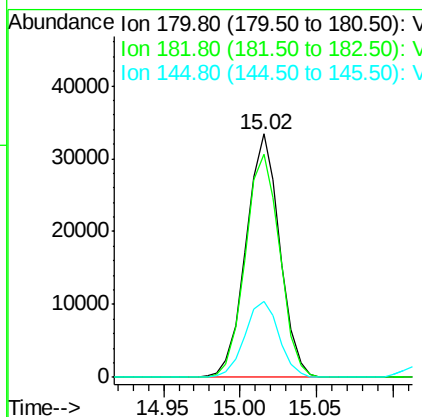
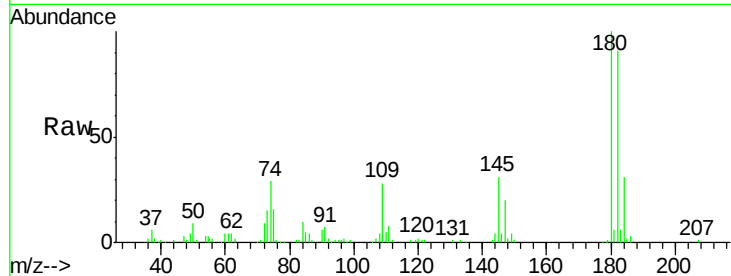
#93
 1,2,4-Trichlorobenzene
 Concen: 19.782 ug/l
 RT: 15.02 min Scan# 2178
 Delta R.T. 0.01 min
 Lab File: VY002278.D
 Acq: 13 Apr 2020 14:32

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0413SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.5	47.9	143.7
145	31.9	16.0	48.0

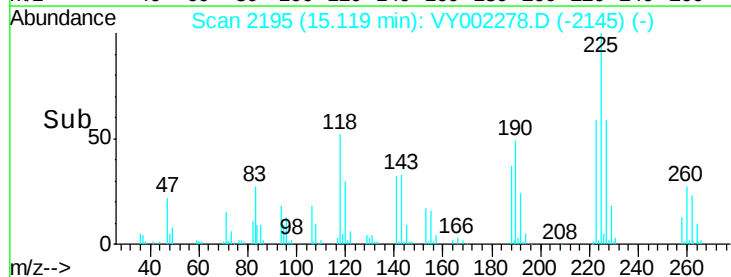
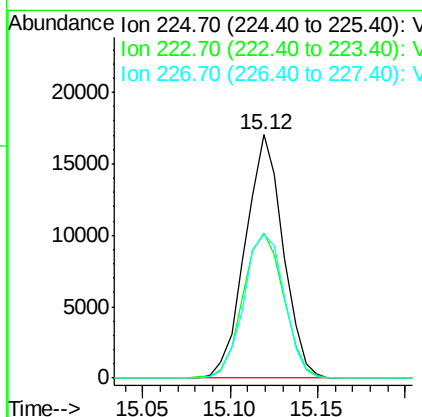
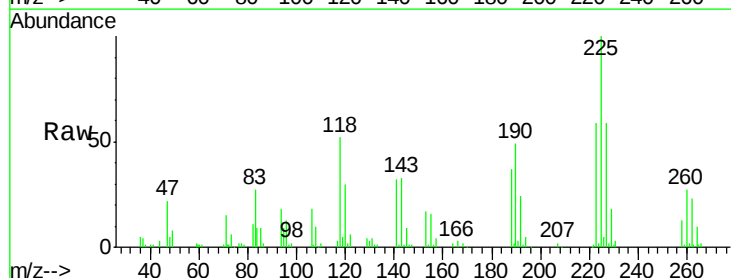
Manual Integrations
 APPROVED

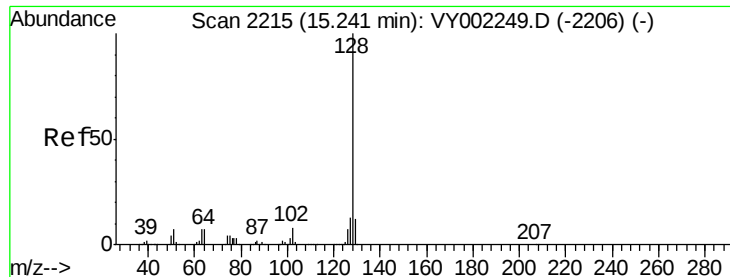
MMDadoda
 4/14/2020 10:01:56 AM



#94
 Hexachlorobutadiene
 Concen: 19.685 ug/l
 RT: 15.12 min Scan# 2195
 Delta R.T. 0.01 min
 Lab File: VY002278.D
 Acq: 13 Apr 2020 14:32

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.1	31.0	93.0
227	63.5	31.3	93.9





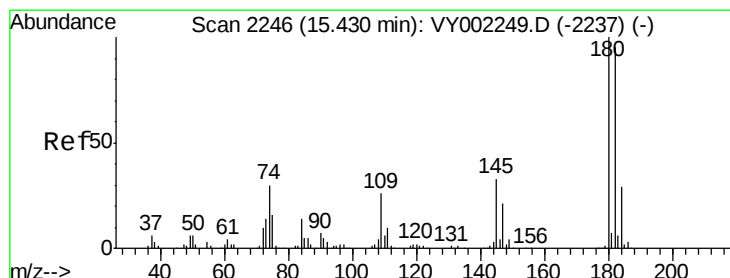
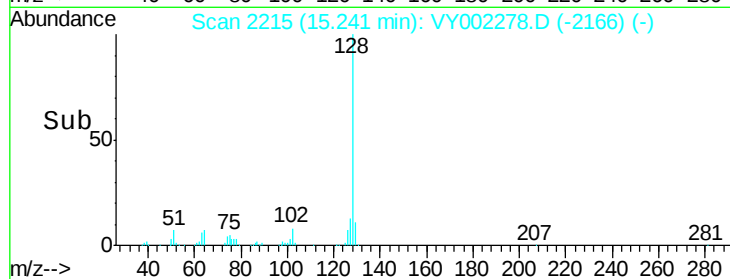
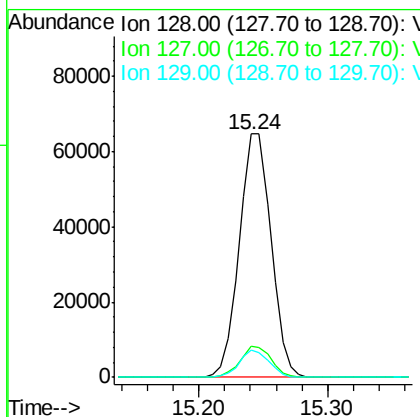
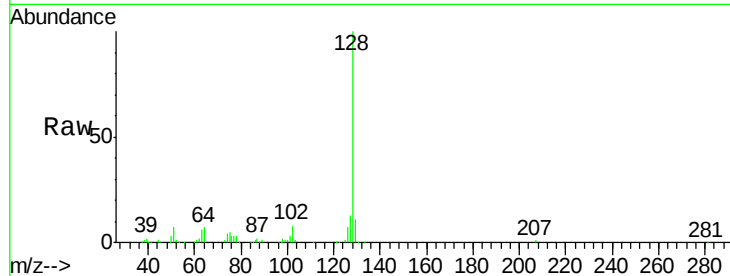
#95
Naphthalene
Concen: 19.513 ug/l
RT: 15.24 min Scan# 2215
Delta R.T. -0.00 min
Lab File: VY002278.D
Acq: 13 Apr 2020 14:32

Instrument :
MSVOA_Y
ClientSampleId :
VY0413SBS01

Tot Ion:	128	Resp:	110358
Ion Ratio	Lower	Upper	
128	100		
127	12.5	10.1	15.1
129	10.5	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
4/14/2020 10:01:56 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.134 ug/l
RT: 15.43 min Scan# 2246
Delta R.T. -0.00 min
Lab File: VY002278.D
Acq: 13 Apr 2020 14:32

Tgt Ion:	180	Resp:	42915
Ion Ratio	Lower	Upper	
180	100		
182	95.3	47.1	141.3
145	34.6	16.7	50.1

