

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY040320\
 Data File : VY002211.D
 Acq On : 03 Apr 2020 11:53
 Operator : SY/MD
 Sample : VY0403SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0403SBS01

Manual Integrations
 APPROVED

MMDadoda
 4/6/2020 11:30:28 AM

Quant Time: Apr 04 00:42:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y032620S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 07:11:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	150932	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	275121	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	248731	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	111542	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	81603	48.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.82%	
35) Dibromofluoromethane	7.74	113	76621	49.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.40%	
50) Toluene-d8	10.19	98	319350	49.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.74%	
62) 4-Bromofluorobenzene	12.49	95	110037	49.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	29917	27.373	ug/l	98
3) Chloromethane	2.13	50	38815	22.006	ug/l	99
4) Vinyl Chloride	2.27	62	40119	22.364	ug/l	99
5) Bromomethane	2.66	94	26849	22.934	ug/l	96
6) Chloroethane	2.81	64	24566	21.327	ug/l	96
7) Trichlorofluoromethane	3.15	101	52490	21.352	ug/l	98
8) Diethyl Ether	3.55	74	22277	21.395	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.93	101	34752	21.547	ug/l	98
10) Methyl Iodide	4.11	142	37667	19.640	ug/l	98
11) Tert butyl alcohol	4.99	59	29532	150.195	ug/l #	85
12) 1,1-Dichloroethene	3.90	96	34869	21.291	ug/l	92
13) Acrolein	3.76	56	21075	85.758	ug/l	99
14) Allyl chloride	4.51	41	61261	20.433	ug/l	99
15) Acrylonitrile	5.20	53	58404	107.019	ug/l	99
16) Acetone	3.97	43	49137	104.822	ug/l	98
17) Carbon Disulfide	4.22	76	113690	20.918	ug/l	100
18) Methyl Acetate	4.51	43	28009	23.010	ug/l	99
19) Methyl tert-butyl Ether	5.25	73	96287	21.075	ug/l	98
20) Methylene Chloride	4.74	84	46842	21.183	ug/l	95
21) trans-1,2-Dichloroethene	5.25	96	38993	20.911	ug/l	90
22) Diisopropyl ether	6.15	45	125346	20.429	ug/l	91
23) Vinyl Acetate	6.09	43	413975	102.892	ug/l	97
24) 1,1-Dichloroethane	6.05	63	67564	20.711	ug/l	99
25) 2-Butanone	7.01	43	75647	105.095	ug/l	99
26) 2,2-Dichloropropane	7.01	77	57444	21.380	ug/l	99
27) cis-1,2-Dichloroethene	7.01	96	42114	20.529	ug/l	96
28) Bromochloromethane	7.35	49	28705	19.274	ug/l	97
29) Tetrahydrofuran	7.37	42	48930	103.682	ug/l	97
30) Chloroform	7.53	83	63358	20.490	ug/l	98
31) Cyclohexane	7.80	56	71516	20.573	ug/l #	89
32) 1,1,1-Trichloroethane	7.72	97	52985	20.523	ug/l	100
36) 1,1-Dichloropropene	7.94	75	54220	20.836	ug/l	98
37) Ethyl Acetate	7.10	43	33015	20.994	ug/l	97
38) Carbon Tetrachloride	7.92	117	46228	20.938	ug/l	98

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Quant Time: Apr 04 00:42:33 2020
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	70998	20.800	ug/l	96
40) Benzene	8.18	78	160761	20.856	ug/l	99
41) Methacrylonitrile	7.34	41	17788m	22.362	ug/l	
42) 1,2-Dichloroethane	8.25	62	42168	20.605	ug/l	100
43) Isopropyl Acetate	8.29	43	58952	20.198	ug/l	99
44) Trichloroethene	8.96	130	40202	21.636	ug/l	99
45) 1,2-Dichloropropane	9.23	63	41314	21.050	ug/l	94
46) Dibromomethane	9.32	93	21251	21.083	ug/l	98
47) Bromodichloromethane	9.51	83	48943	20.858	ug/l	98
48) Methyl methacrylate	9.30	41	26158	19.999	ug/l	97
49) 1,4-Dioxane	9.32	88	5813	420.271	ug/l	96
51) 4-Methyl-2-Pentanone	10.08	43	166673	110.900	ug/l	98
52) Toluene	10.25	92	98421	21.111	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	52802	20.274	ug/l	99
54) cis-1,3-Dichloropropene	9.94	75	63424	20.684	ug/l	96
55) 1,1,2-Trichloroethane	10.66	97	30378	20.363	ug/l	92
56) Ethyl methacrylate	10.52	69	45497	20.881	ug/l	95
57) 1,3-Dichloropropane	10.80	76	55508	21.060	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.80	63	115688	103.329	ug/l	99
59) 2-Hexanone	10.85	43	111538	105.356	ug/l	100
60) Dibromochloromethane	11.00	129	32280	20.678	ug/l	99
61) 1,2-Dibromoethane	11.10	107	29207	20.917	ug/l	98
64) Tetrachloroethene	10.73	164	34094	22.404	ug/l	98
65) Chlorobenzene	11.53	112	102469	21.342	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.60	131	33906	21.108	ug/l	99
67) Ethyl Benzene	11.60	91	189034	21.199	ug/l	100
68) m/p-Xylenes	11.71	106	139790	42.398	ug/l	98
69) o-Xylene	12.04	106	65686	21.002	ug/l	98
70) Styrene	12.05	104	114086	21.051	ug/l	100
71) Bromoform	12.22	173	18200	20.687	ug/l #	99
73) Isopropylbenzene	12.34	105	177474	21.449	ug/l	100
74) N-amyl acetate	12.16	43	52401	20.080	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.59	83	38258	21.487	ug/l	98
76) 1,2,3-Trichloropropane	12.64	75	26089m	20.910	ug/l	
77) Bromobenzene	12.62	156	37782	21.390	ug/l	99
78) n-propylbenzene	12.68	91	219534	21.380	ug/l	100
79) 2-Chlorotoluene	12.77	91	119817	21.252	ug/l	99
80) 1,3,5-Trimethylbenzene	12.82	105	146812	21.506	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	13824	21.465	ug/l	98
82) 4-Chlorotoluene	12.86	91	125407	21.109	ug/l	99
83) tert-Butylbenzene	13.08	119	127328	22.345	ug/l	97
84) 1,2,4-Trimethylbenzene	13.13	105	148655	21.826	ug/l	99
85) sec-Butylbenzene	13.27	105	183109	21.695	ug/l	100
86) p-Isopropyltoluene	13.38	119	158212	21.829	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	74671	21.610	ug/l	98
88) 1,4-Dichlorobenzene	13.45	146	75150	21.613	ug/l	98
89) n-Butylbenzene	13.70	91	161175	21.343	ug/l	100
90) Hexachloroethane	13.97	117	29245	21.414	ug/l	100
91) 1,2-Dichlorobenzene	13.75	146	69045	21.637	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.37	75	6140	21.528	ug/l	96

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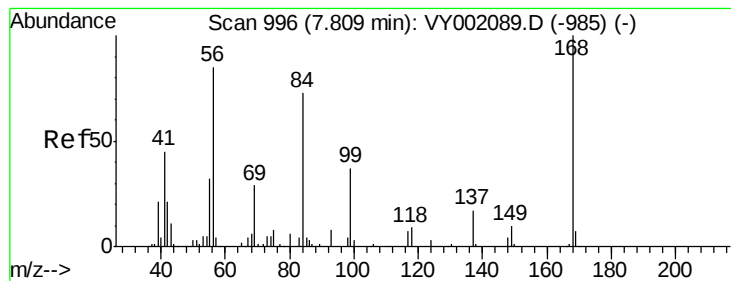
Manual Integrations
APPROVED

MMDadoda
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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	43980	21.383	ug/l	96
94) Hexachlorobutadiene	15.13	225	20910	20.596	ug/l	99
95) Naphthalene	15.25	128	102532	20.989	ug/l	99
96) 1,2,3-Trichlorobenzene	15.44	180	38971	20.895	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. 0.00 min

Lab File: VY002211.D

Acq: 03 Apr 2020 11:53

Instrument :

MSVOA_Y

ClientSampleId :

VY0403SBS01

Tot Ion:168 Resp: 150932

Ion Ratio Lower Upper

168 100

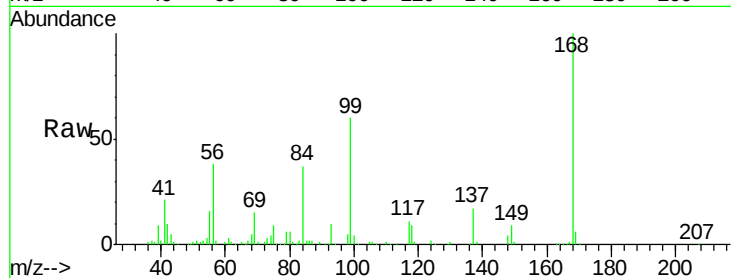
99 59.5 47.6 71.4

Manual Integrations

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4/6/2020 11:30:28 AM



Abundance Ion 167.90 (167.60 to 168.60): VY002211.D (-947) (-)

Ion 98.90 (98.60 to 99.60): VY002211.D (-947) (-)

7.81

60000

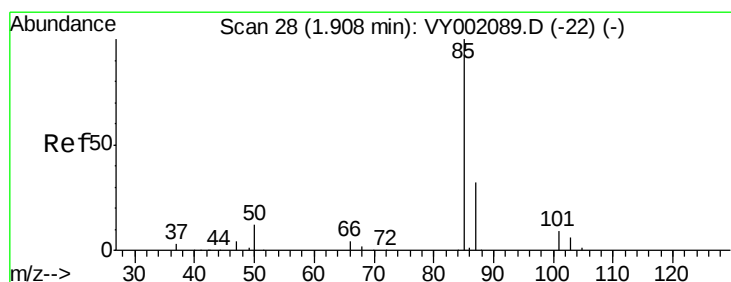
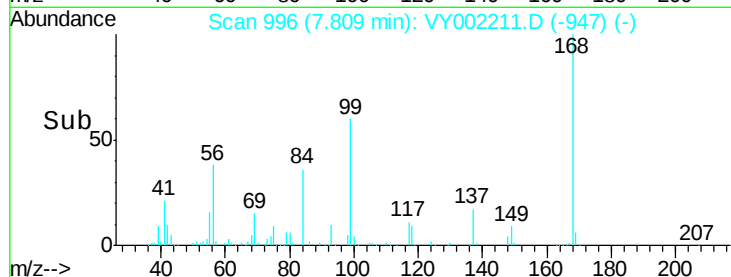
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 27.373 ug/l

RT: 1.91 min Scan# 29

Delta R.T. 0.01 min

Lab File: VY002211.D

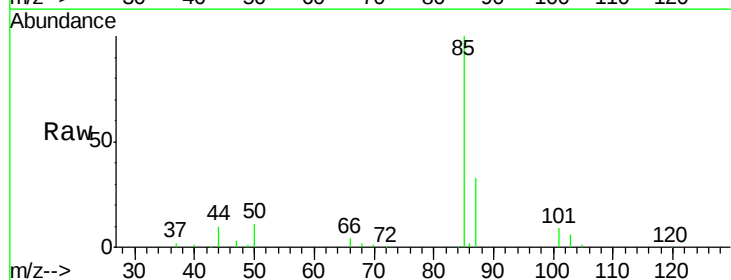
Acq: 03 Apr 2020 11:53

Tgt Ion: 85 Resp: 29917

Ion Ratio Lower Upper

85 100

87 33.4 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VY002211.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VY002211.D (-1) (-)

1.91

25000

20000

15000

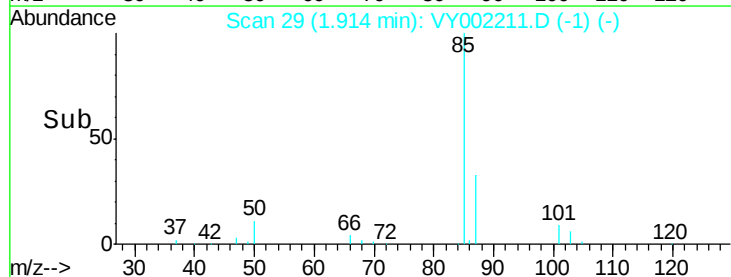
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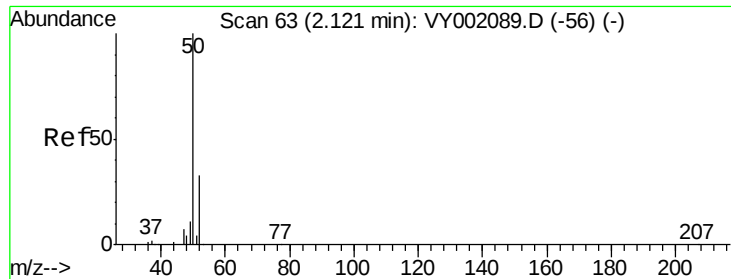
5000

0

1.85 1.90 1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 22.006 ug/l

RT: 2.13 min Scan# 64

Delta R.T. 0.01 min

Lab File: VY002211.D

Acq: 03 Apr 2020 11:53

Tot Ion: 50 Resp: 38815

Ion Ratio Lower Upper

50 100

52 33.4 26.1 39.1

Instrument :

MSVOA_Y

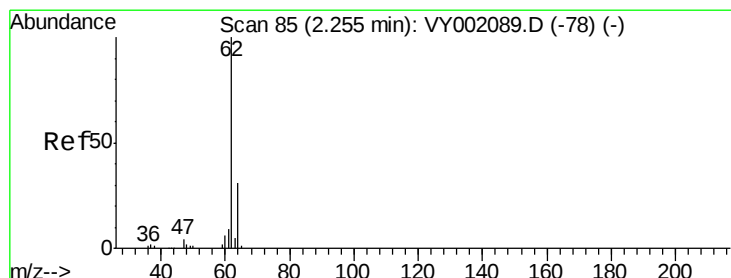
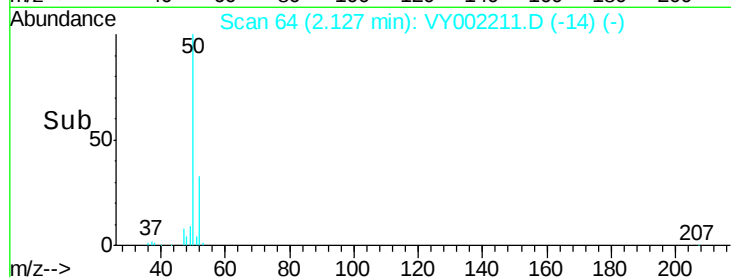
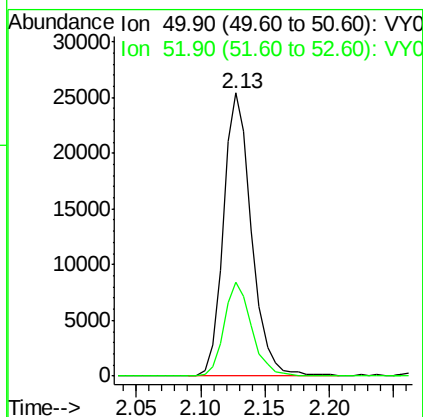
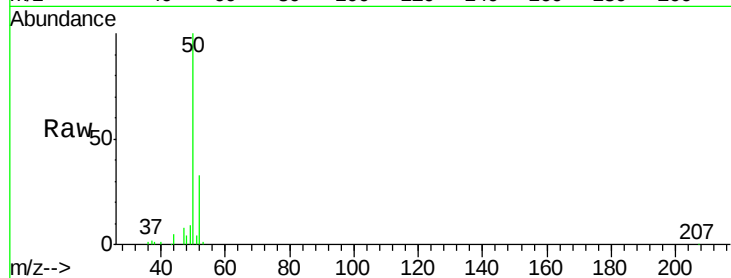
ClientSampleId :

VY0403SBS01

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#4

Vinyl Chloride

Concen: 22.364 ug/l

RT: 2.27 min Scan# 87

Delta R.T. 0.01 min

Lab File: VY002211.D

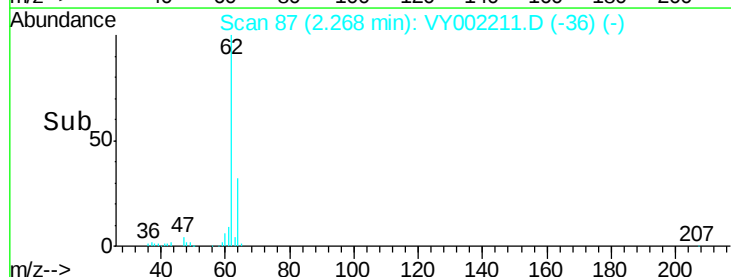
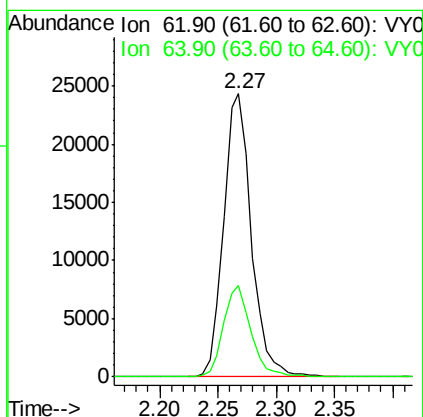
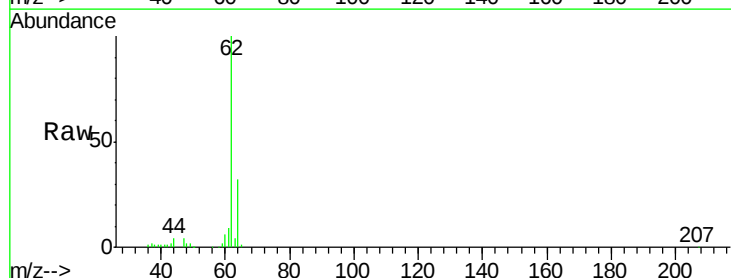
Acq: 03 Apr 2020 11:53

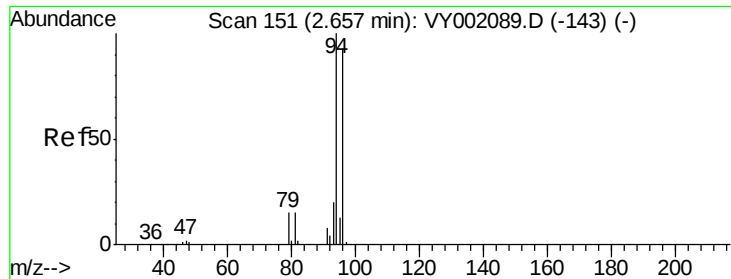
Tgt Ion: 62 Resp: 40119

Ion Ratio Lower Upper

62 100

64 32.3 25.2 37.8





#5

Bromomethane

Concen: 22.934 ug/l

RT: 2.66 min Scan# 152

Delta R.T. 0.01 min

Lab File: VY002211.D

Acq: 03 Apr 2020 11:53

Instrument :

MSVOA_Y

ClientSampleId :

VY0403SBS01

Tot Ion: 94 Resp: 26849

Ion Ratio Lower Upper

94 100

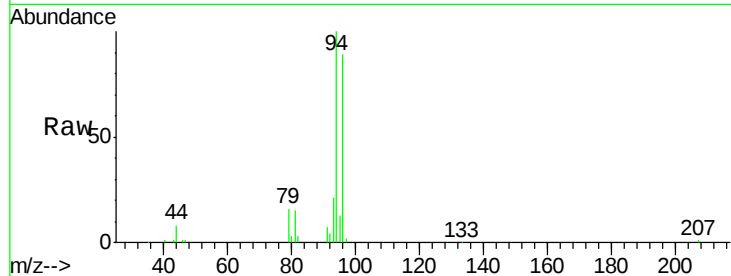
96 88.8 74.1 111.1

Manual Integrations

APPROVED

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4/6/2020 11:30:28 AM



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0

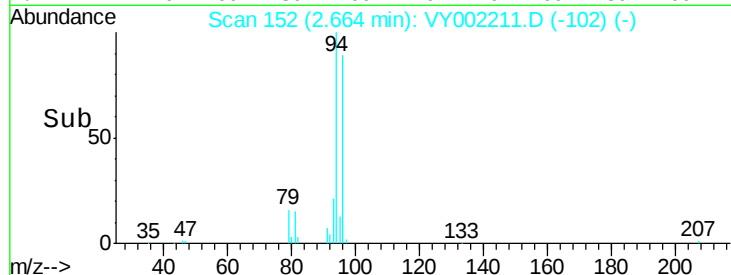
15000

10000

5000

0

Time-->



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0

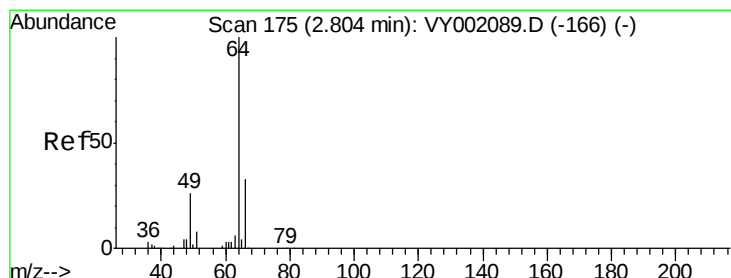
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 21.327 ug/l

RT: 2.81 min Scan# 176

Delta R.T. 0.01 min

Lab File: VY002211.D

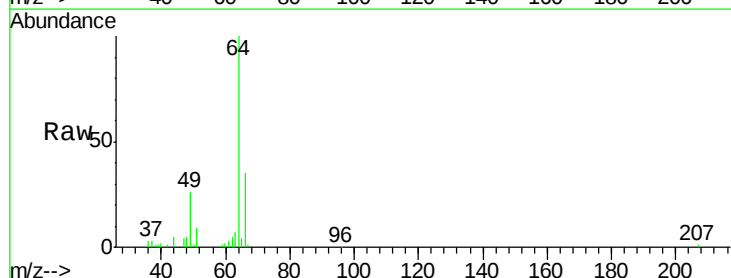
Acq: 03 Apr 2020 11:53

Tgt Ion: 64 Resp: 24566

Ion Ratio Lower Upper

64 100

66 35.4 26.6 39.8



Abundance Ion 63.90 (63.60 to 64.60): VY0

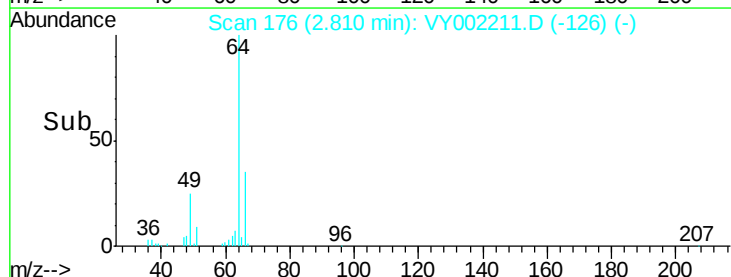
Ion 65.90 (65.60 to 66.60): VY0

10000

5000

0

Time-->



Abundance Ion 63.90 (63.60 to 64.60): VY0

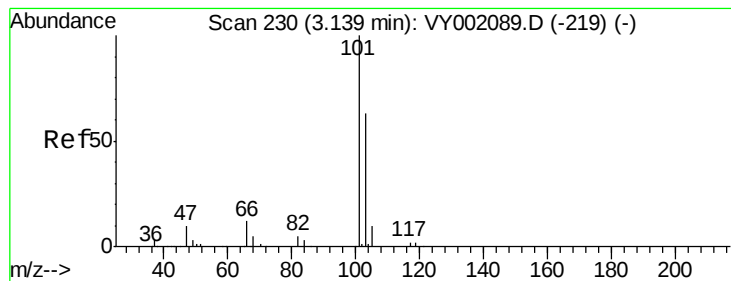
Ion 65.90 (65.60 to 66.60): VY0

10000

5000

0

Time-->



#7

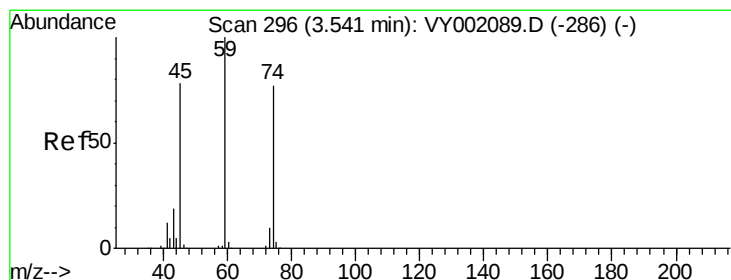
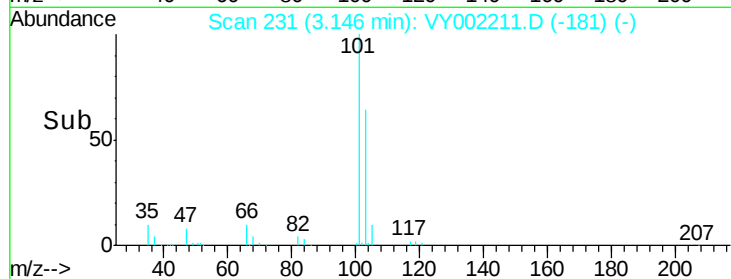
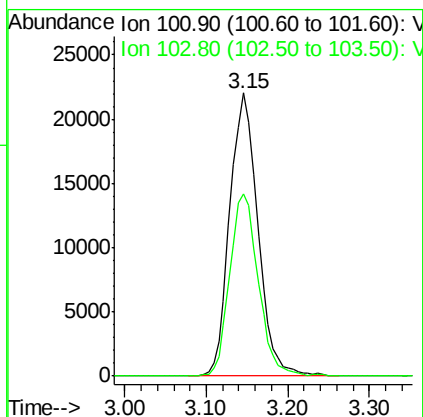
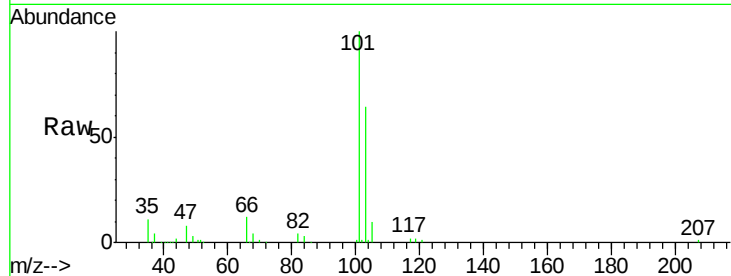
Trichlorofluoromethane
Concen: 21.352 ug/l
RT: 3.15 min Scan# 231
Delta R.T. 0.01 min
Lab File: VY002211.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.5	50.6	76.0

Manual Integrations
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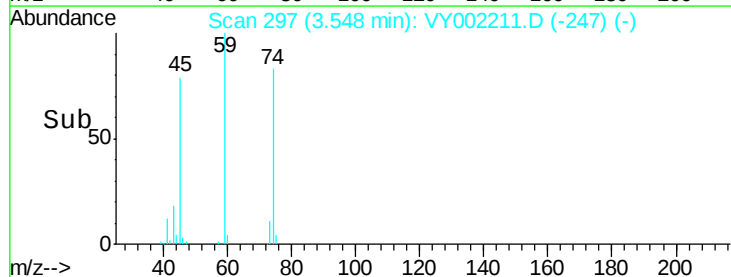
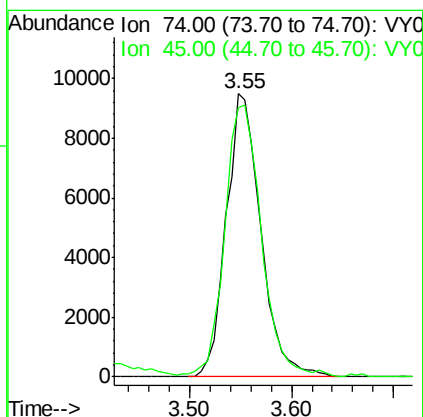
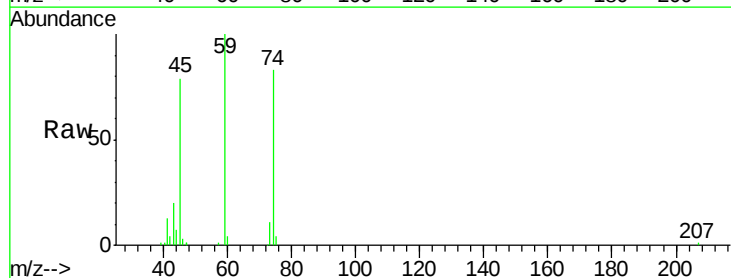
MMDadoda
4/6/2020 11:30:28 AM

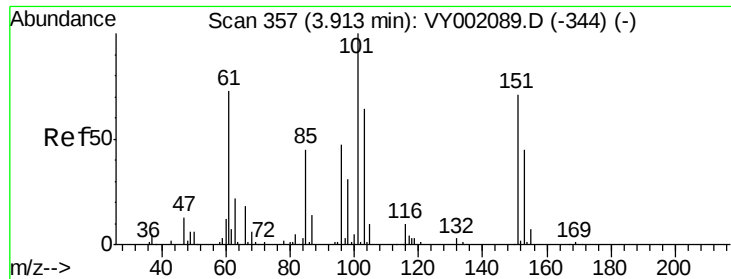


#8

Diethyl Ether
Concen: 21.395 ug/l
RT: 3.55 min Scan# 297
Delta R.T. 0.01 min
Lab File: VY002211.D
Acq: 03 Apr 2020 11:53

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.4	51.0	153.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.547 ug/l

RT: 3.93 min Scan# 359

Delta R.T. 0.01 min

Lab File: VY002211.D

Acq: 03 Apr 2020 11:53

Instrument :

MSVOA_Y

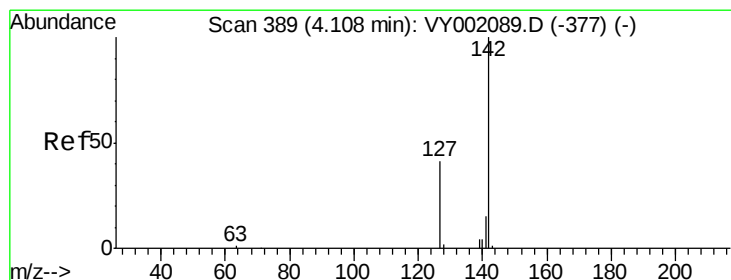
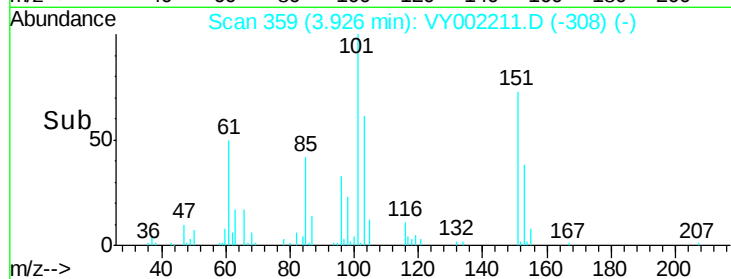
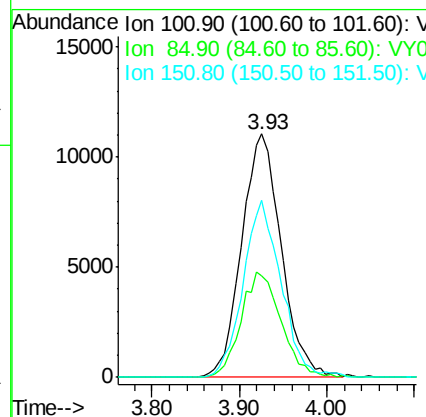
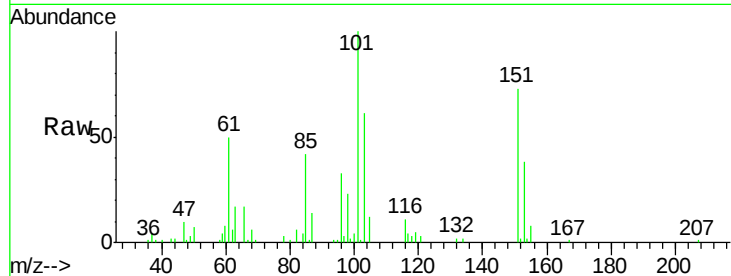
ClientSampleId :

VY0403SBS01

Tot Ion:	101	Resp:	34752
Ion Ratio	Lower	Upper	
101	100		
85	43.6	35.9	53.9
151	69.7	57.5	86.3

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#10

Methyl Iodide

Concen: 19.640 ug/l

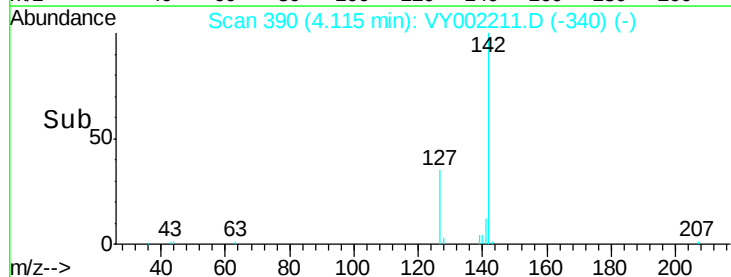
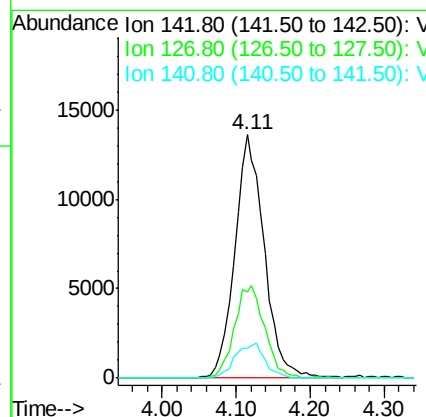
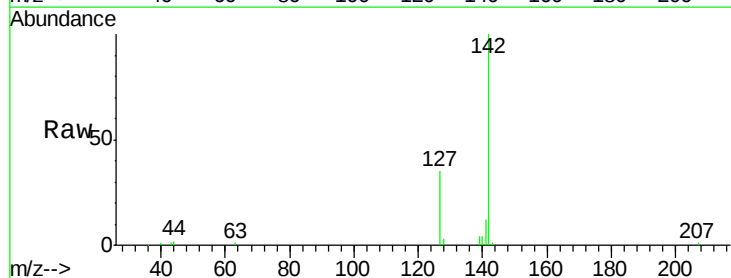
RT: 4.11 min Scan# 390

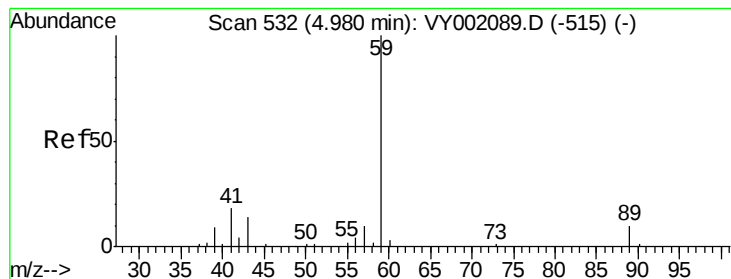
Delta R.T. 0.01 min

Lab File: VY002211.D

Acq: 03 Apr 2020 11:53

Tgt Ion:	142	Resp:	37667
Ion Ratio	Lower	Upper	
142	100		
127	39.0	32.6	49.0
141	14.4	11.4	17.0





#11

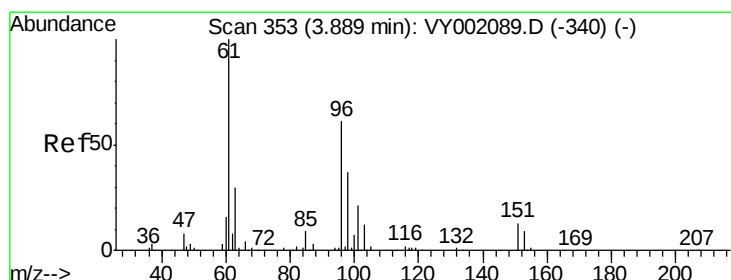
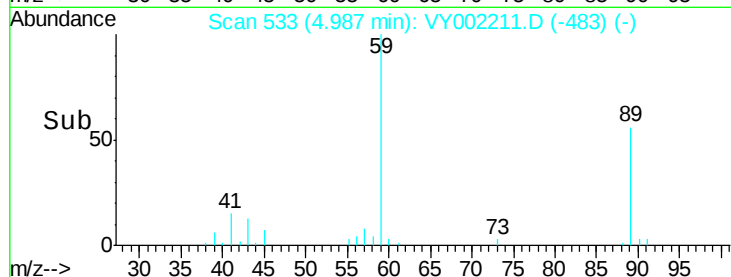
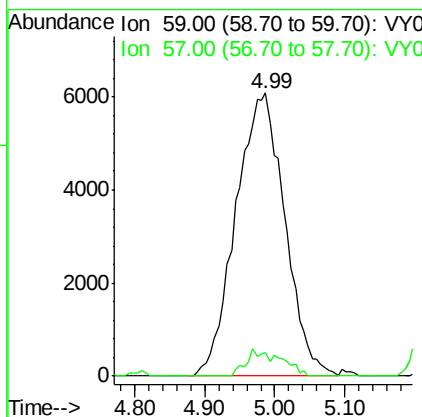
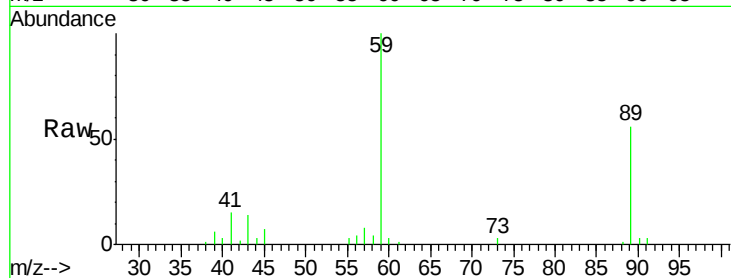
Tert butyl alcohol
 Concen: 150.195 ug/l
 RT: 4.99 min Scan# 533
 Delta R.T. 0.01 min
 Lab File: VY002211.D
 Acq: 03 Apr 2020 11:53

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0403SBS01

Tot Ion: 59 Resp: 29532
 Ion Ratio Lower Upper
 59 100
 57 4.0 7.7 11.5#

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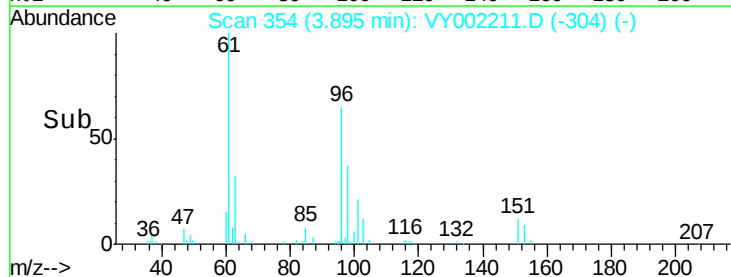
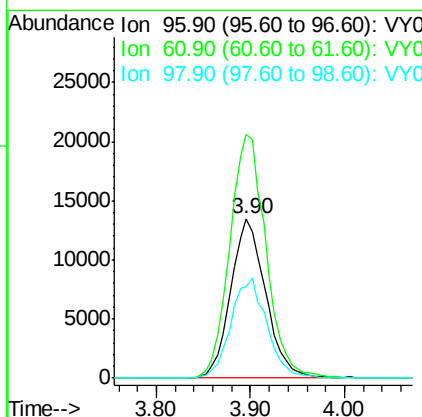
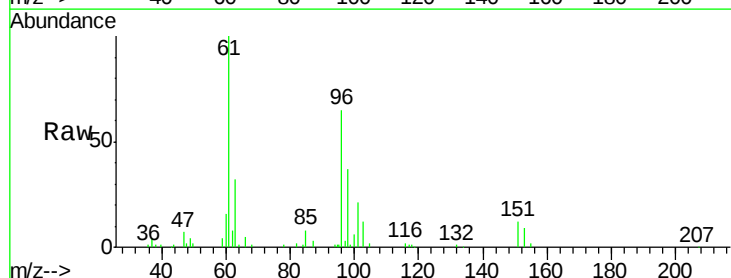
MMDadoda
 4/6/2020 11:30:28 AM

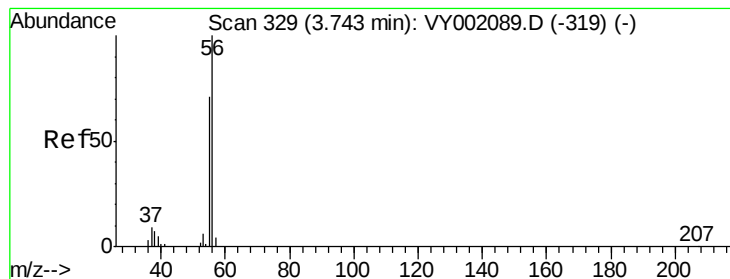


#12

1,1-Dichloroethene
 Concen: 21.291 ug/l
 RT: 3.90 min Scan# 354
 Delta R.T. 0.01 min
 Lab File: VY002211.D
 Acq: 03 Apr 2020 11:53

Tgt Ion: 96 Resp: 34869
 Ion Ratio Lower Upper
 96 100
 61 153.0 132.0 198.0
 98 57.3 49.4 74.0





#13

Acrolein

Concen: 85.758 ug/l

RT: 3.76 min Scan# 331

Delta R.T. 0.01 min

Lab File: VY002211.D

Acq: 03 Apr 2020 11:53

Instrument :

MSVOA_Y

ClientSampleId :

VY0403SBS01

Tot Ion: 56 Resp: 21075

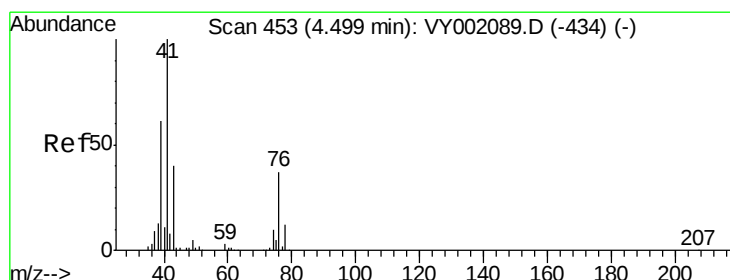
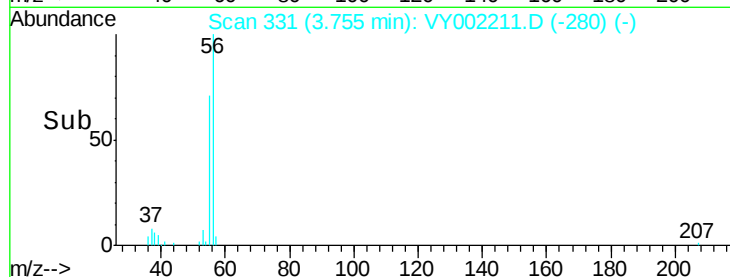
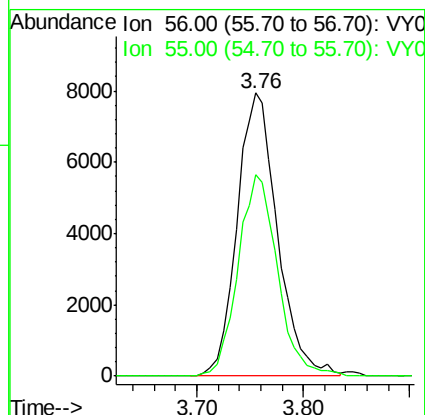
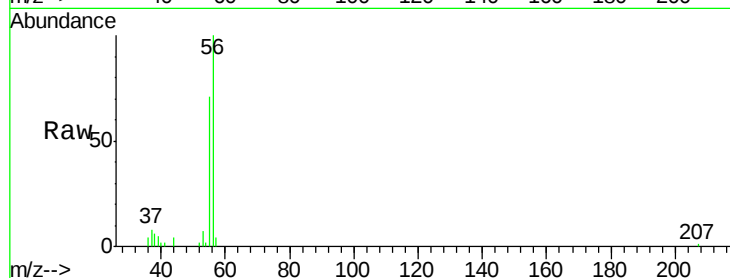
Ion Ratio Lower Upper

56 100

55 69.4 56.5 84.7

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#14

Allyl chloride

Concen: 20.433 ug/l

RT: 4.51 min Scan# 454

Delta R.T. 0.01 min

Lab File: VY002211.D

Acq: 03 Apr 2020 11:53

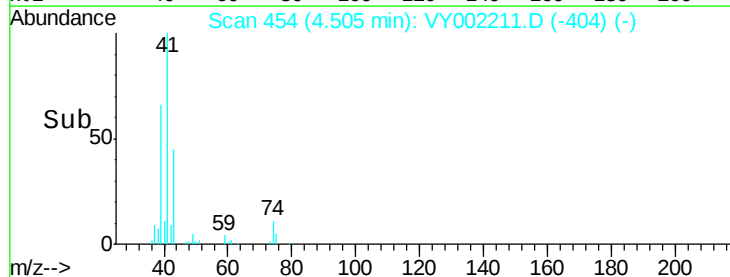
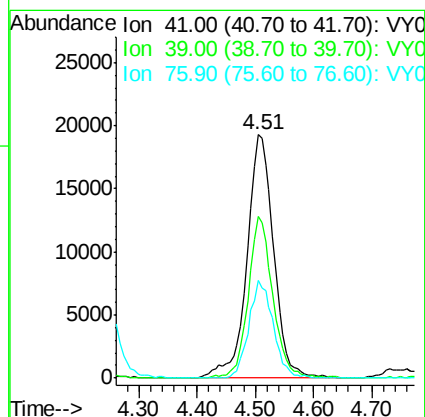
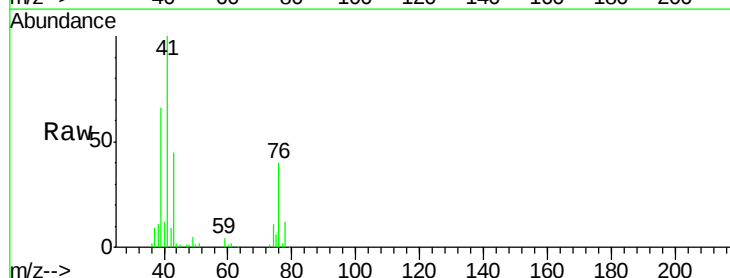
Tgt Ion: 41 Resp: 61261

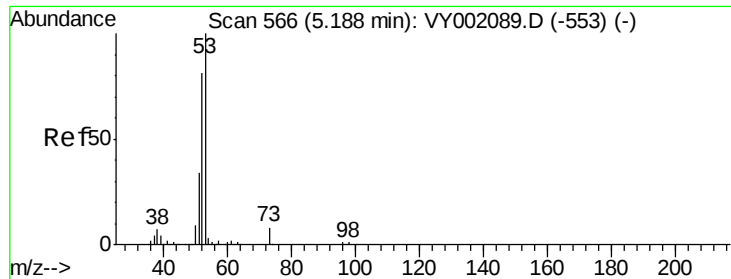
Ion Ratio Lower Upper

41 100

39 60.9 49.0 73.4

76 36.3 27.8 41.8





#15

Acrylonitrile

Concen: 107.019 ug/l

RT: 5.20 min Scan# 568

Delta R.T. 0.01 min

Lab File: VY002211.D

Acq: 03 Apr 2020 11:53

Instrument :

MSVOA_Y

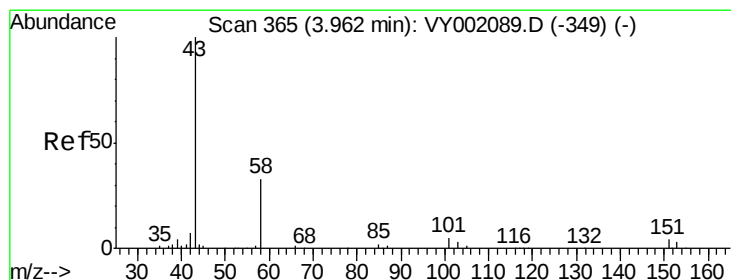
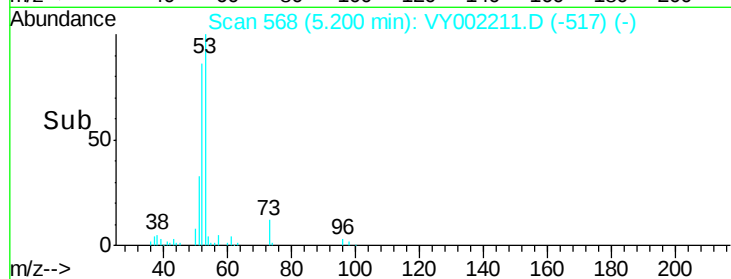
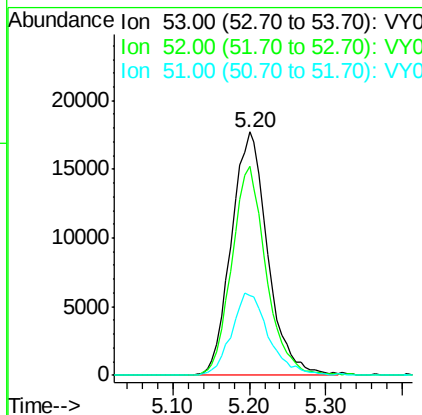
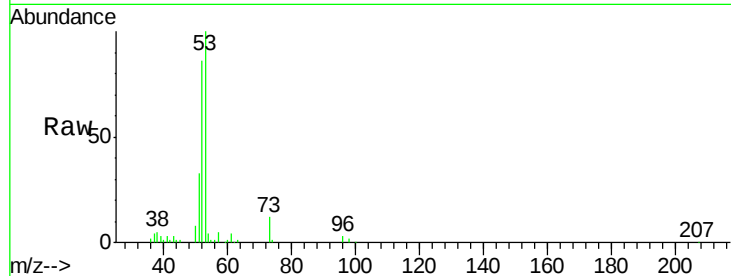
ClientSampleId :

VY0403SBS01

Tot Ion:	53	Resp:	58404
Ion	Ratio	Lower	Upper
53	100		
52	81.3	64.6	97.0
51	34.3	27.9	41.9

Manual Integrations
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#16

Acetone

Concen: 104.822 ug/l

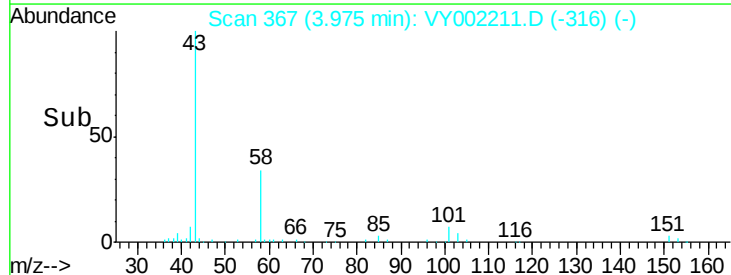
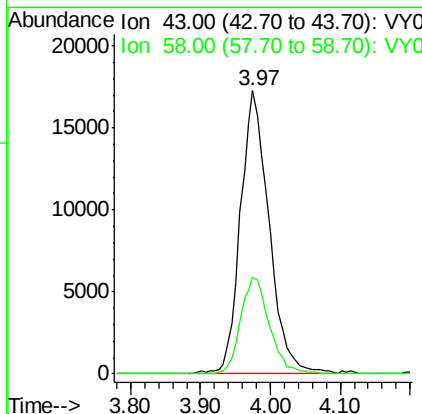
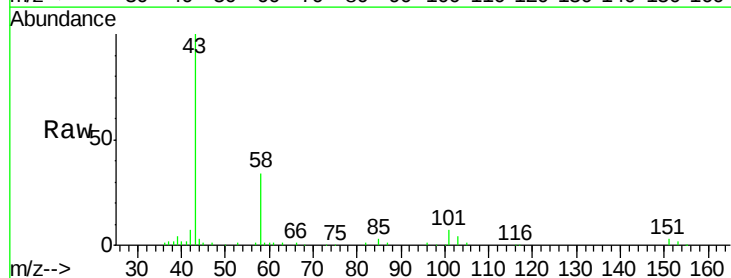
RT: 3.97 min Scan# 367

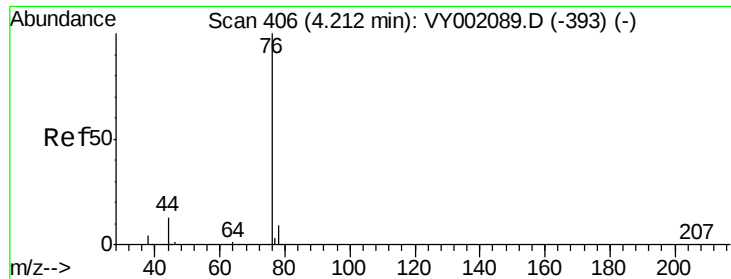
Delta R.T. 0.01 min

Lab File: VY002211.D

Acq: 03 Apr 2020 11:53

Tgt Ion:	43	Resp:	49137
Ion	Ratio	Lower	Upper
43	100		
58	33.9	26.3	39.5





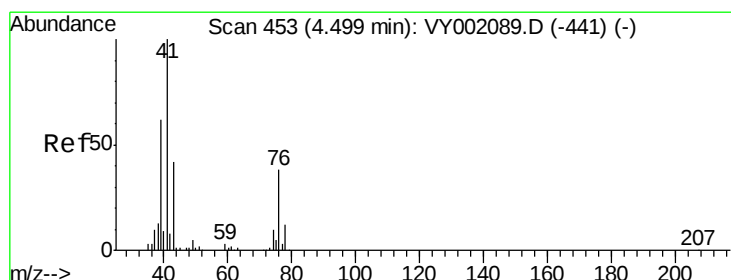
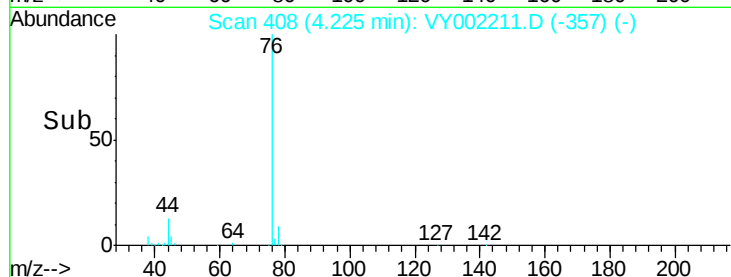
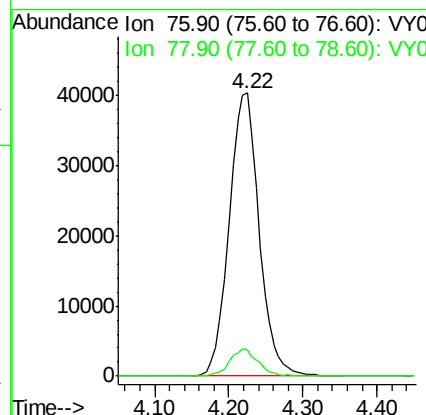
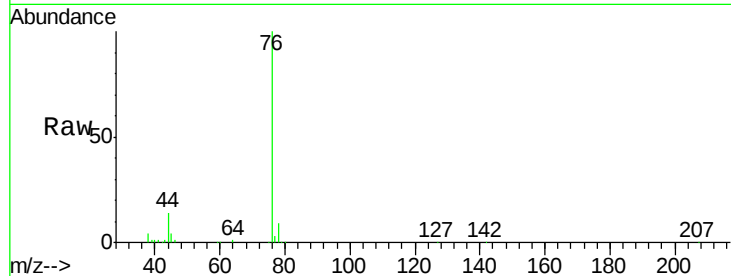
#17
Carbon Disulfide
Concen: 20.918 ug/l
RT: 4.22 min Scan# 408
Delta R.T. 0.01 min
Lab File: VY002211.D
Acq: 03 Apr 2020 11:53

Instrument :
MSVOA_Y
ClientSampleId :
VY0403SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.3	10.9

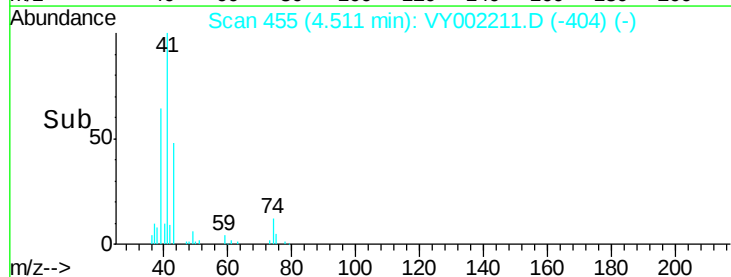
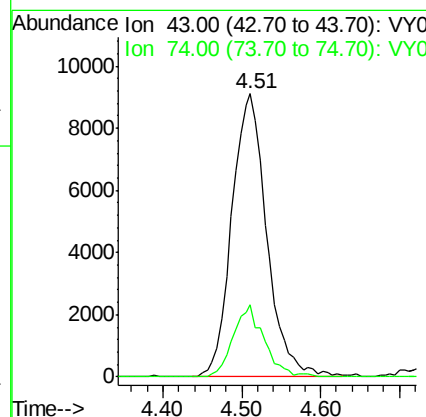
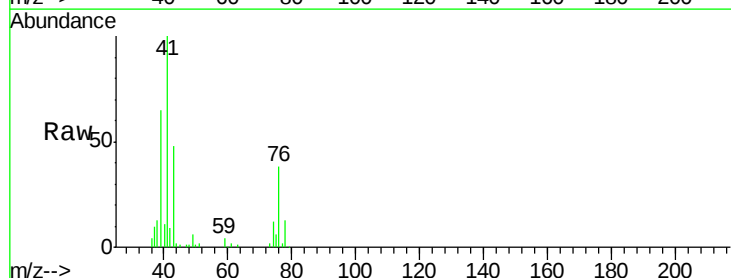
Manual Integrations
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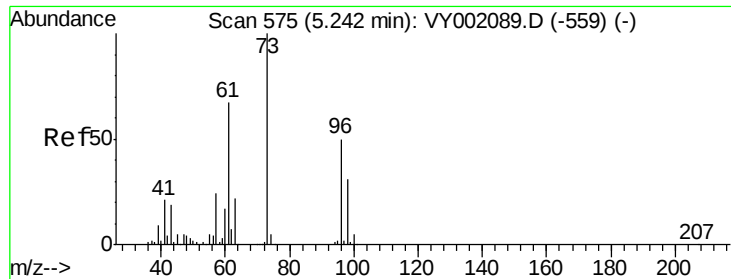
MMDadoda
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#18
Methyl Acetate
Concen: 23.010 ug/l
RT: 4.51 min Scan# 455
Delta R.T. 0.01 min
Lab File: VY002211.D
Acq: 03 Apr 2020 11:53

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.3	18.3	27.5





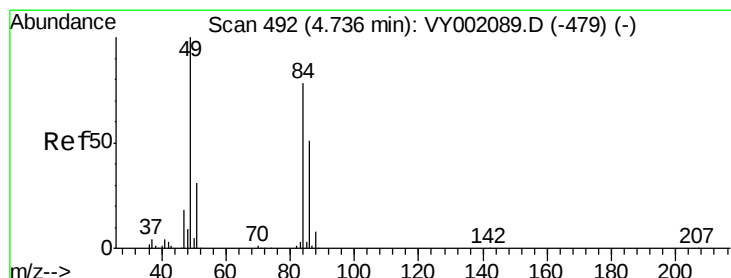
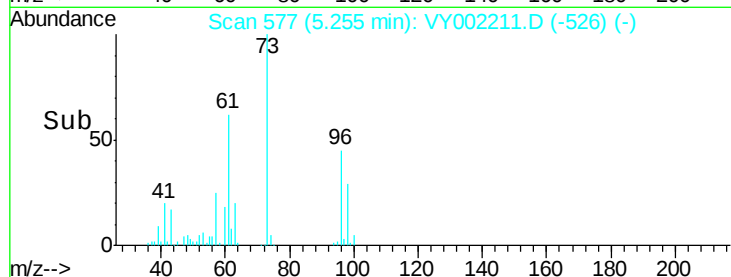
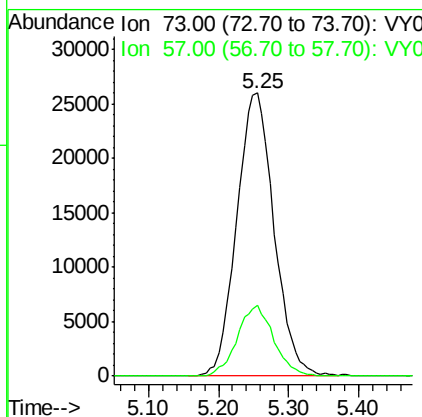
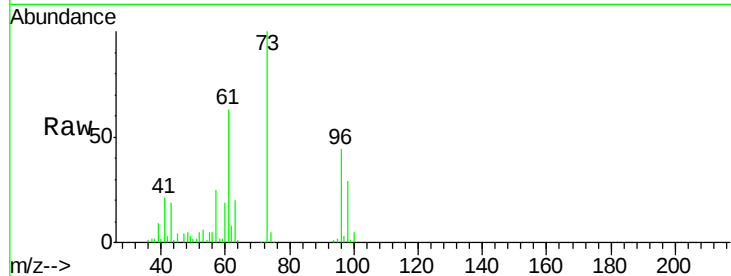
#19
Methvl tert-butvl Ether
Concen: 21.075 ug/l
RT: 5.25 min Scan# 577
Delta R.T. 0.01 min
Lab File: VY002211.D
Acq: 03 Apr 2020 11:53

Instrument :
MSVOA_Y
ClientSampleId :
VY0403SBS01

Tot Ion	73	Resp	96287
Ion Ratio	Lower	Upper	
73	100		
57	24.9	19.0	28.6

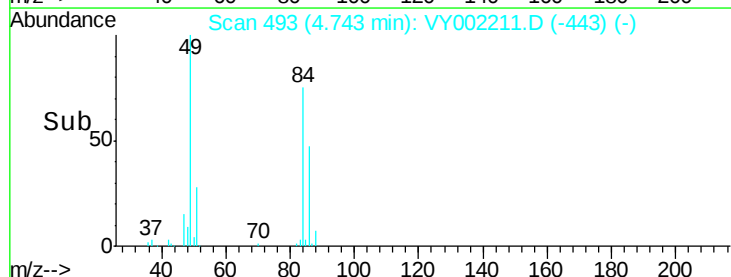
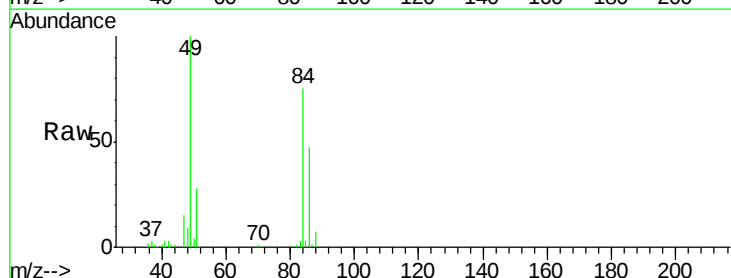
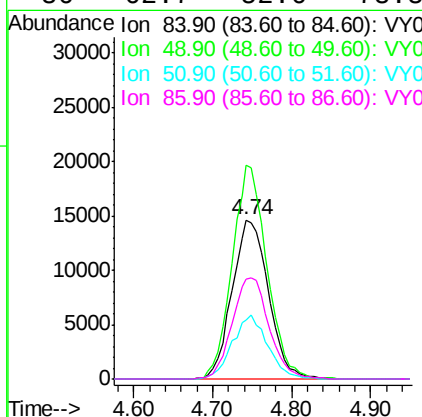
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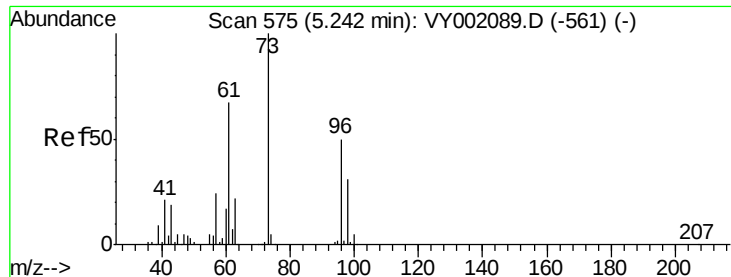
MMDadoda
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#20
Methylene Chloride
Concen: 21.183 ug/l
RT: 4.74 min Scan# 493
Delta R.T. 0.01 min
Lab File: VY002211.D
Acq: 03 Apr 2020 11:53

Tgt Ion	84	Resp	46842
Ion Ratio	Lower	Upper	
84	100		
49	134.1	102.2	153.4
51	37.1	31.2	46.8
86	62.7	52.6	78.8





#21

trans-1,2-Dichloroethene

Concen: 20.911 ug/l

RT: 5.25 min Scan# 576

Delta R.T. 0.01 min

Lab File: VY002211.D

Acq: 03 Apr 2020 11:53

Instrument :

MSVOA_Y

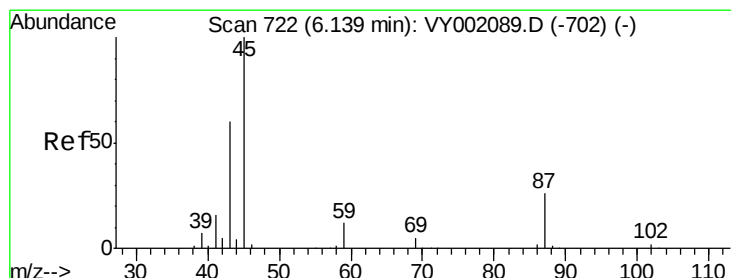
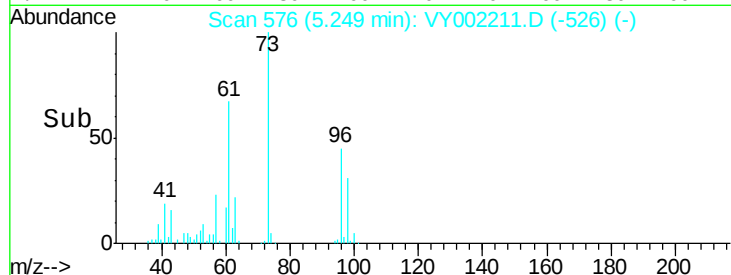
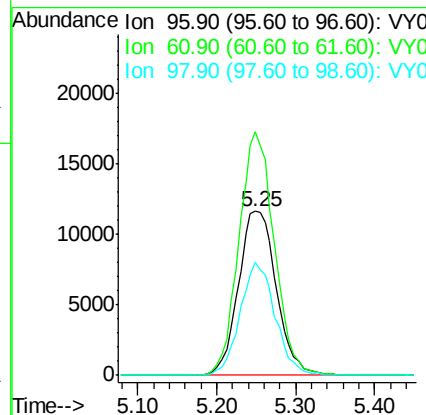
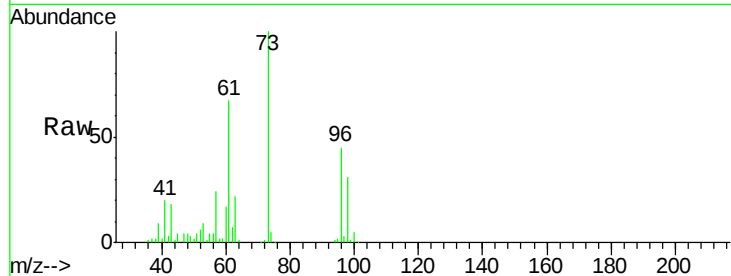
ClientSampleId :

VY0403SBS01

Tot Ion:	96	Resp:	38993
Ion	Ratio	Lower	Upper
96	100		
61	148.5	107.7	161.5
98	68.7	50.5	75.7

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.429 ug/l

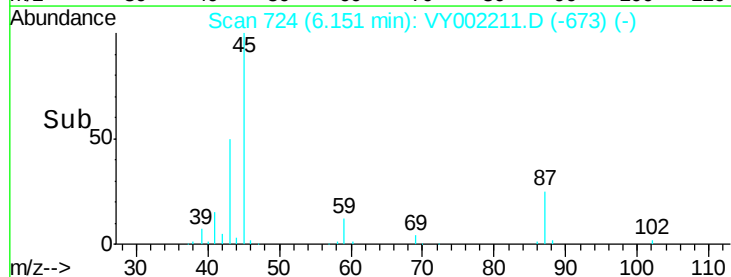
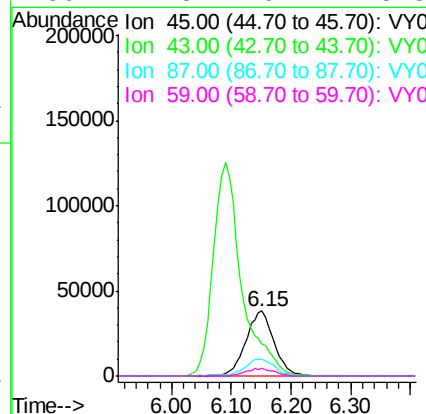
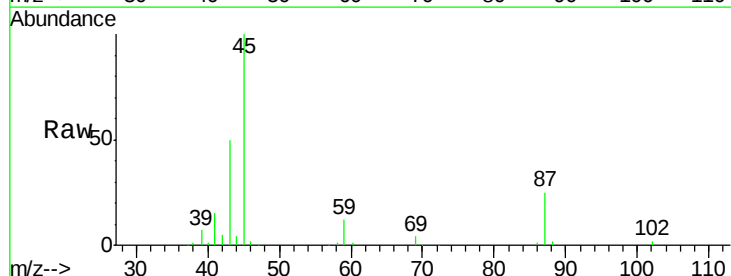
RT: 6.15 min Scan# 724

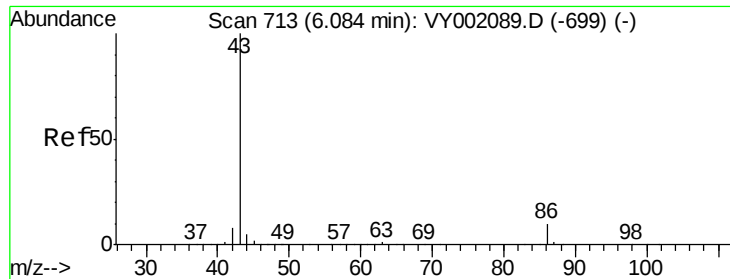
Delta R.T. 0.01 min

Lab File: VY002211.D

Acq: 03 Apr 2020 11:53

Tgt Ion:	45	Resp:	125346
Ion	Ratio	Lower	Upper
45	100		
43	50.0	48.1	72.1
87	25.3	21.1	31.7
59	11.8	9.2	13.8





#23

Vinyl Acetate

Concen: 102.892 ug/l

RT: 6.09 min Scan# 714

Delta R.T. 0.01 min

Lab File: VY002211.D

Acq: 03 Apr 2020 11:53

Instrument :

MSVOA_Y

ClientSampleId :

VY0403SBS01

Tot Ion: 43 Resp: 413975

Ion Ratio Lower Upper

43 100

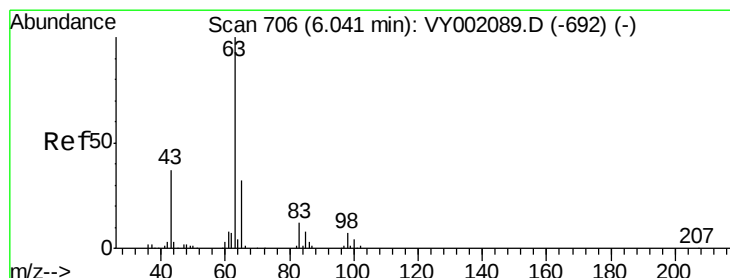
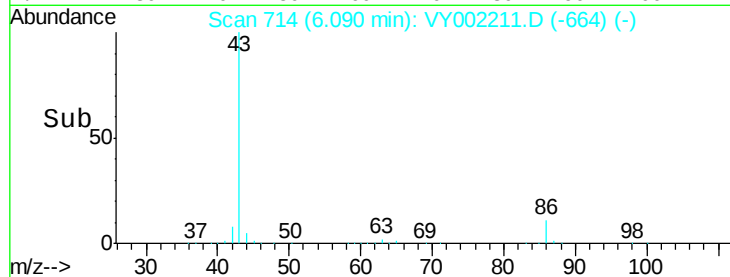
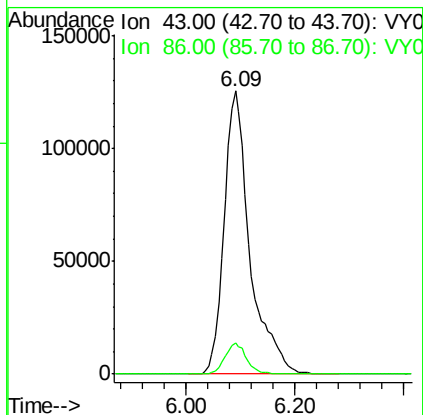
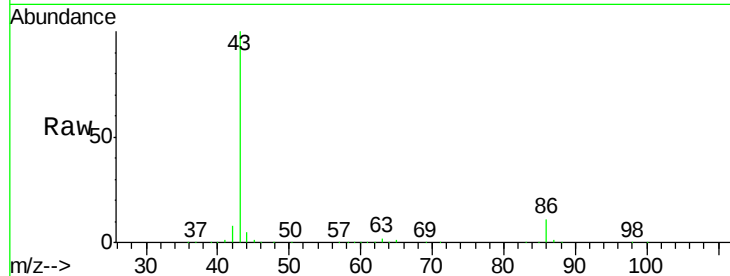
86 11.1 7.9 11.9

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 20.711 ug/l

RT: 6.05 min Scan# 707

Delta R.T. 0.01 min

Lab File: VY002211.D

Acq: 03 Apr 2020 11:53

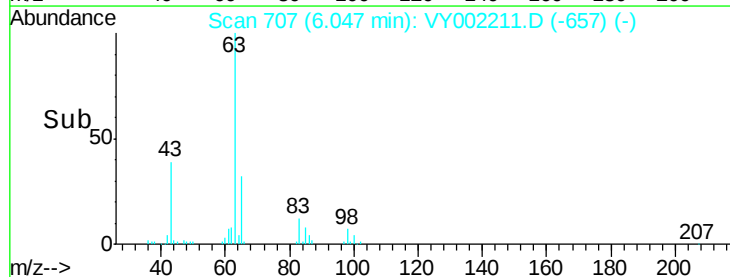
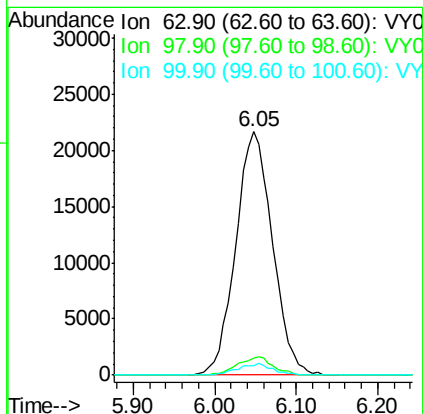
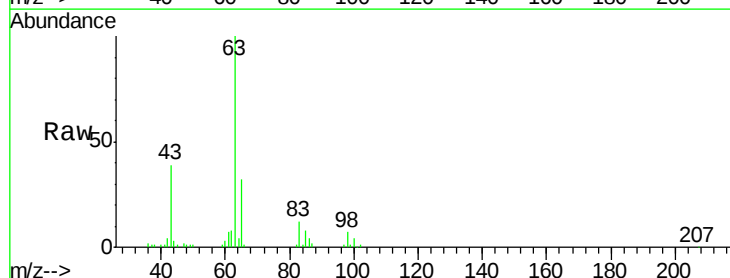
Tgt Ion: 63 Resp: 67564

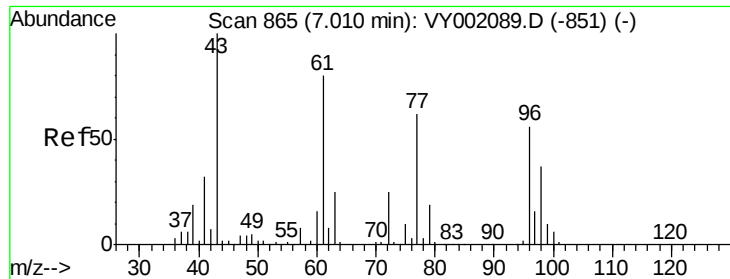
Ion Ratio Lower Upper

63 100

98 7.1 3.3 9.9

100 4.1 1.8 5.5





#25

2-Butanone

Concen: 105.095 ug/l

RT: 7.01 min Scan# 865

Delta R.T. 0.00 min

Lab File: VY002211.D

Acq: 03 Apr 2020 11:53

Instrument :

MSVOA_Y

ClientSampleId :

VY0403SBS01

Tot Ion: 43 Resp: 75647

Ion Ratio Lower Upper

43 100

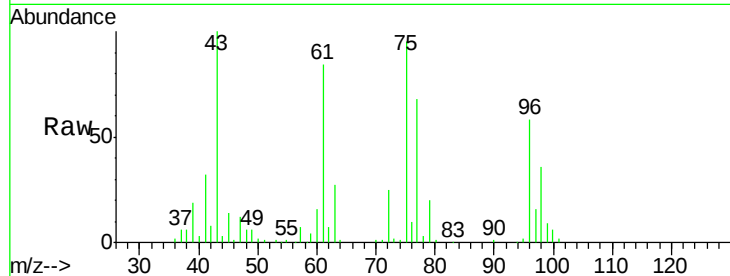
72 24.6 20.2 30.2

Manual Integrations

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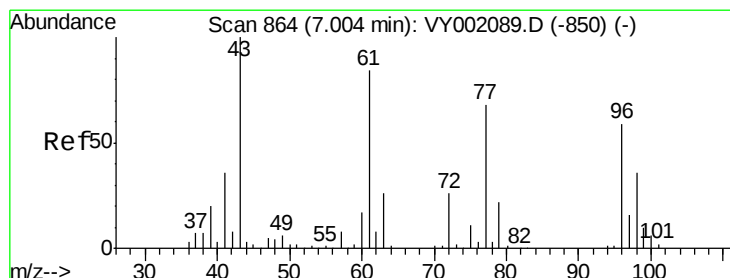
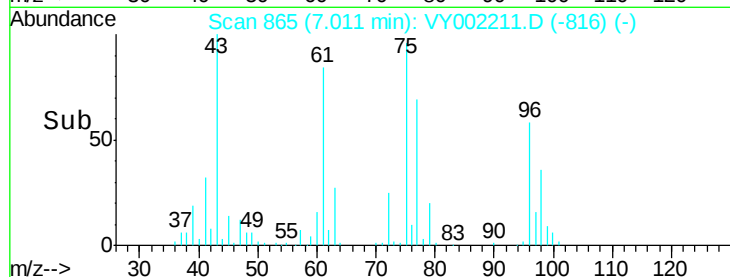
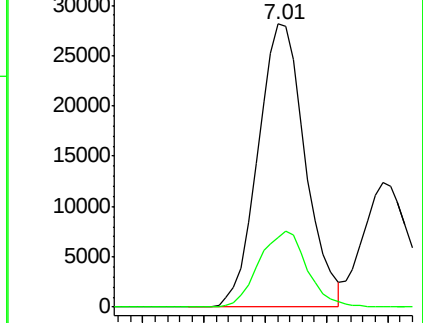
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#26

2,2-Dichloropropane

Concen: 21.380 ug/l

RT: 7.01 min Scan# 865

Delta R.T. 0.01 min

Lab File: VY002211.D

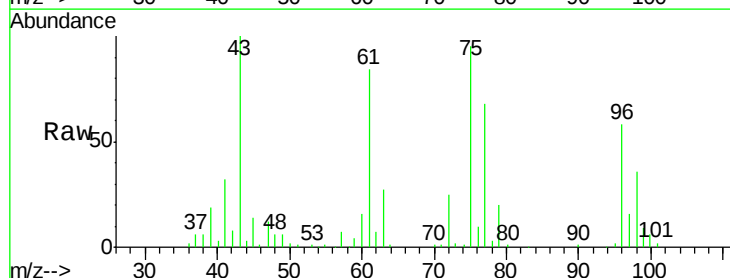
Acq: 03 Apr 2020 11:53

Tgt Ion: 77 Resp: 57444

Ion Ratio Lower Upper

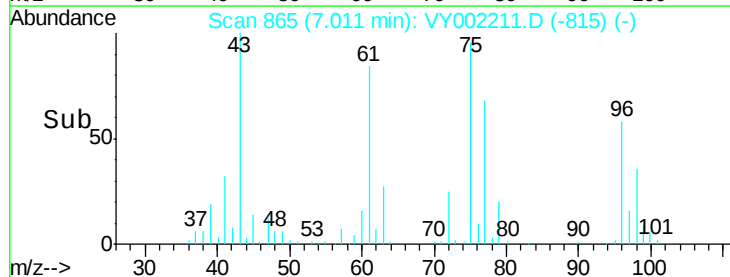
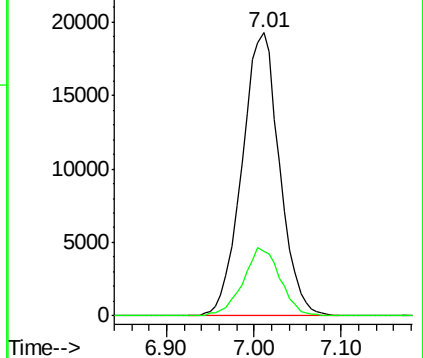
77 100

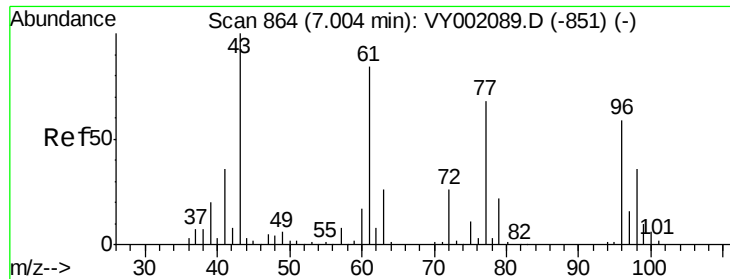
97 23.8 11.7 35.1



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0





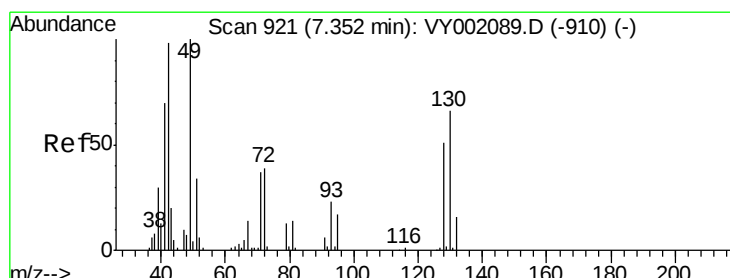
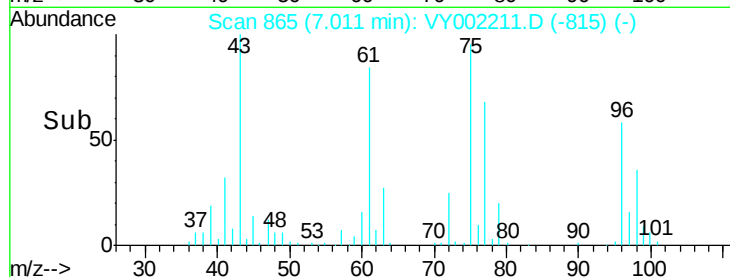
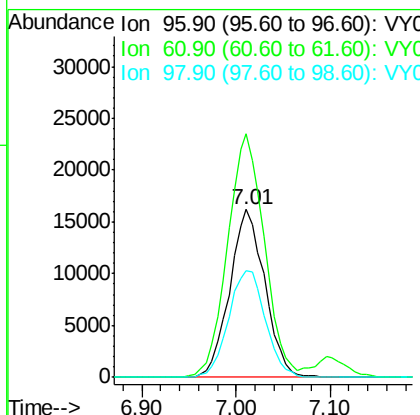
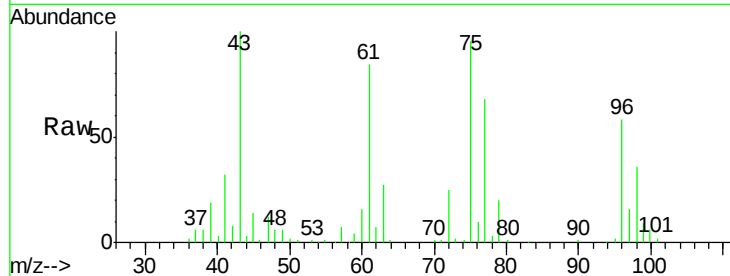
#27
 cis-1,2-Dichloroethene
 Concen: 20.529 ug/l
 RT: 7.01 min Scan# 865
 Delta R.T. 0.01 min
 Lab File: VY002211.D
 Acq: 03 Apr 2020 11:53

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0403SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	151.1	0.0	290.6
98	66.5	0.0	128.0

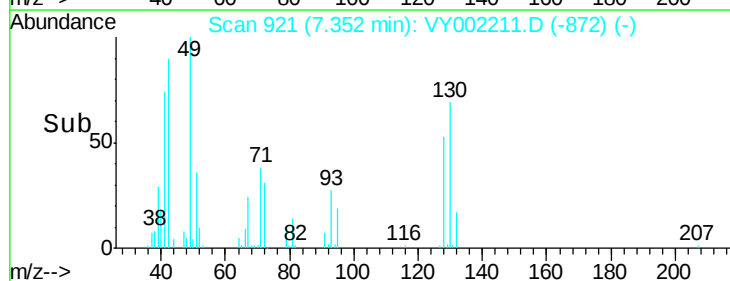
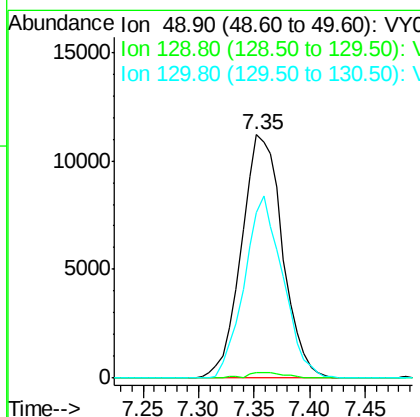
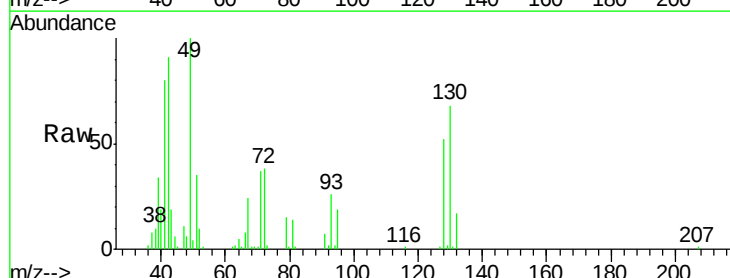
Manual Integrations
 APPROVED

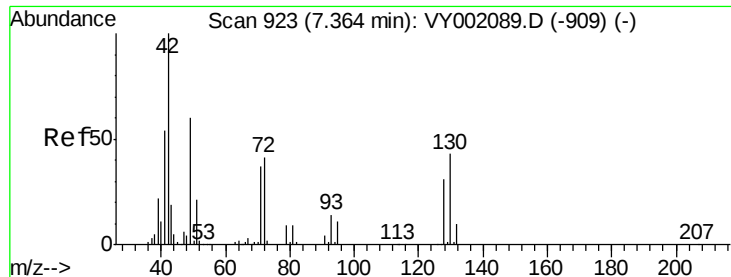
MMDadoda
 4/6/2020 11:30:28 AM



#28
 Bromochloromethane
 Concen: 19.274 ug/l
 RT: 7.35 min Scan# 921
 Delta R.T. 0.00 min
 Lab File: VY002211.D
 Acq: 03 Apr 2020 11:53

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	3.4
130	70.2	54.1	81.1





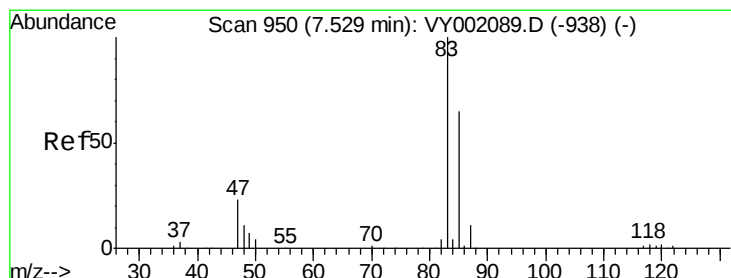
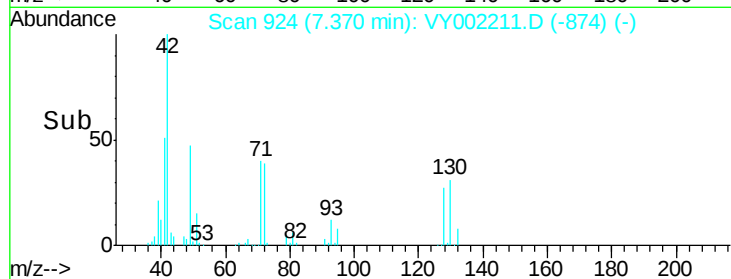
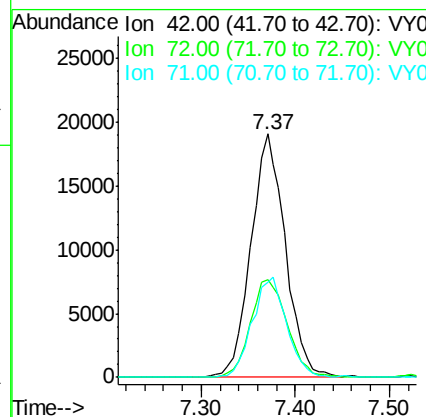
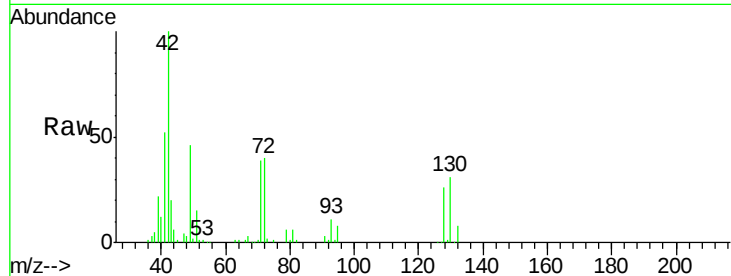
#29
Tetrahydrofuran
Concen: 103.682 ug/l
RT: 7.37 min Scan# 924
Delta R.T. 0.01 min
Lab File: VY002211.D
Acq: 03 Apr 2020 11:53

Instrument :
MSVOA_Y
ClientSampleId :
VY0403SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.9	33.0	49.4
71	40.9	31.2	46.8

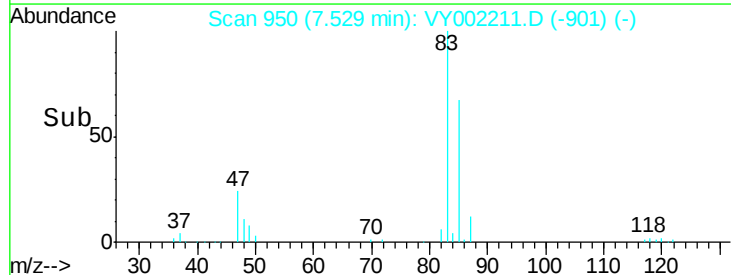
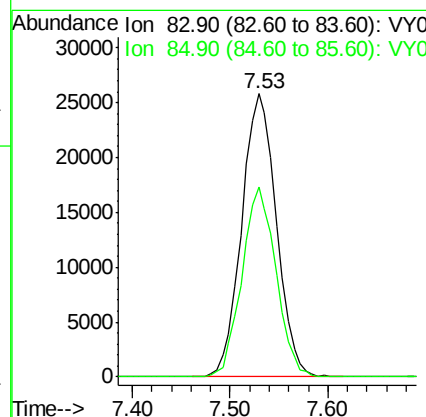
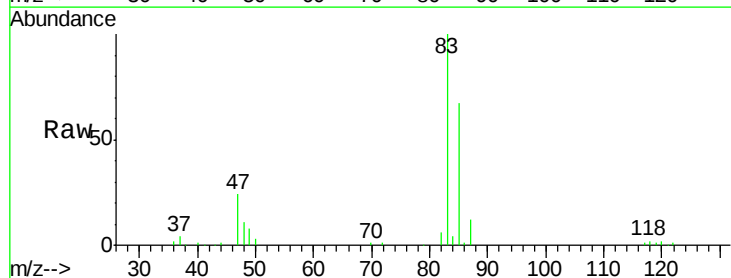
Manual Integrations
APPROVED

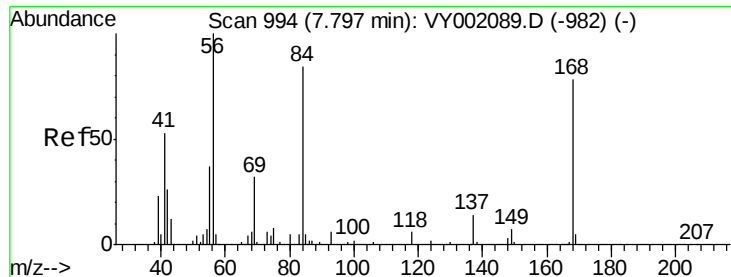
MMDadoda
4/6/2020 11:30:28 AM



#30
Chloroform
Concen: 20.490 ug/l
RT: 7.53 min Scan# 950
Delta R.T. 0.00 min
Lab File: VY002211.D
Acq: 03 Apr 2020 11:53

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.0	52.4	78.6





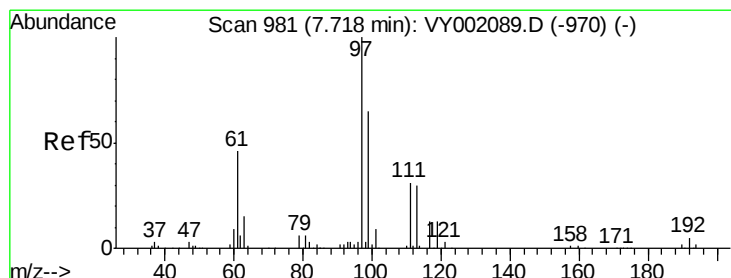
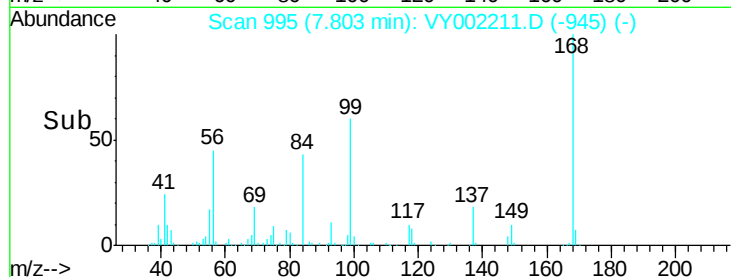
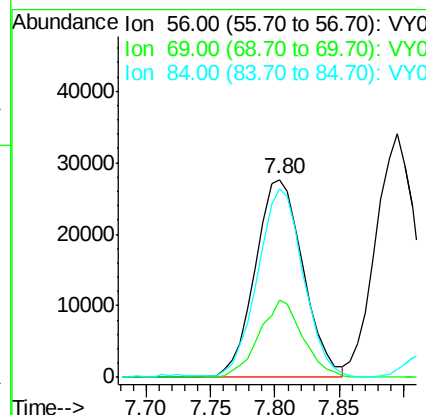
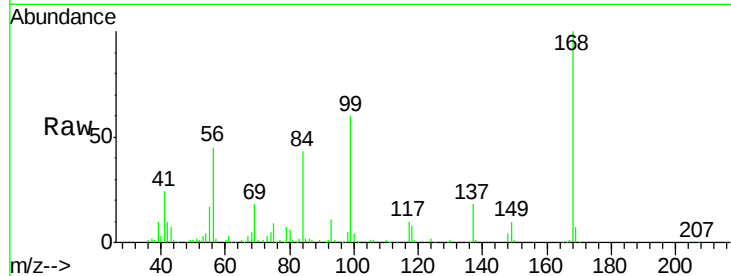
#31
Cyclohexane
Concen: 20.573 ug/l
RT: 7.80 min Scan# 995
Delta R.T. 0.01 min
Lab File: VY002211.D
Acq: 03 Apr 2020 11:53

Instrument :
MSVOA_Y
ClientSampleId :
VY0403SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	39.0	25.8	38.8#
84	94.0	67.1	100.7

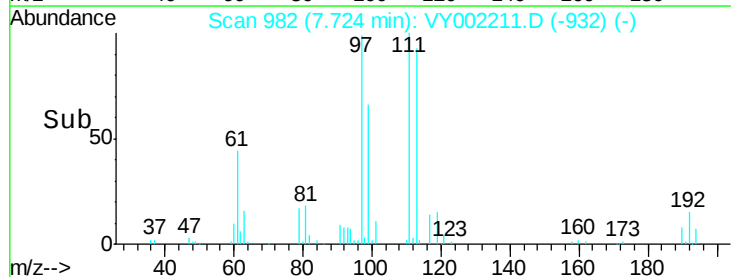
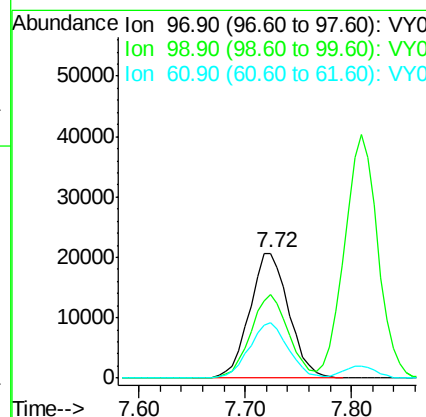
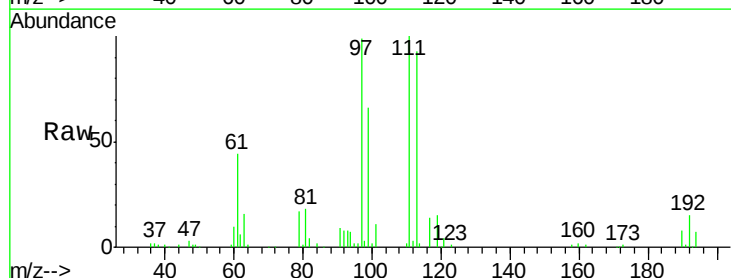
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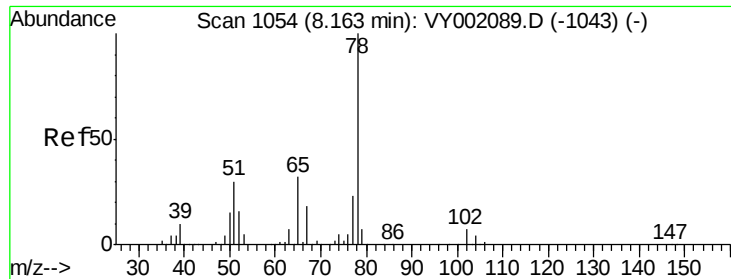
MMDadoda
4/6/2020 11:30:28 AM



#32
1,1,1-Trichloroethane
Concen: 20.523 ug/l
RT: 7.72 min Scan# 982
Delta R.T. 0.01 min
Lab File: VY002211.D
Acq: 03 Apr 2020 11:53

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.1	52.0	78.0
61	44.2	35.7	53.5





#33

1,2-Dichloroethane-d4

Concen: 48.908 ug/l

RT: 8.16 min Scan# 1054

Delta R.T. 0.00 min

Lab File: VY002211.D

Acq: 03 Apr 2020 11:53

Instrument :

MSVOA_Y

ClientSampleId :

VY0403SBS01

Tot Ion: 65 Resp: 81603

Ion Ratio Lower Upper

65 100

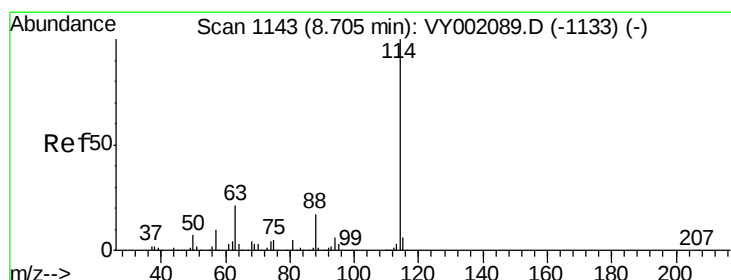
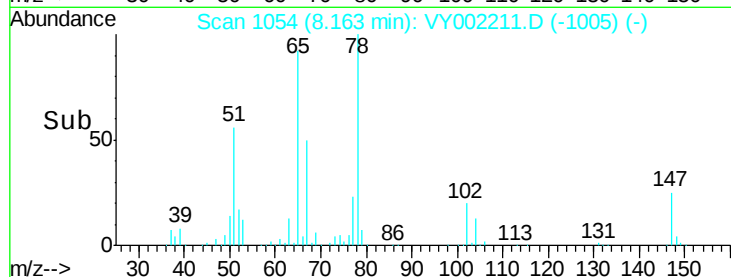
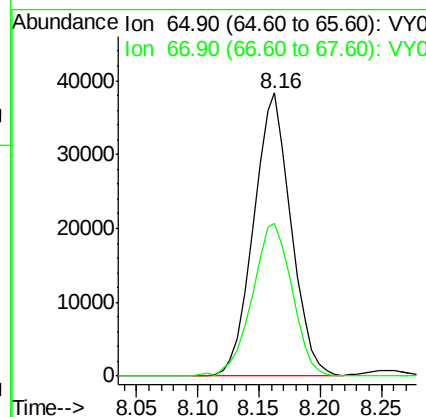
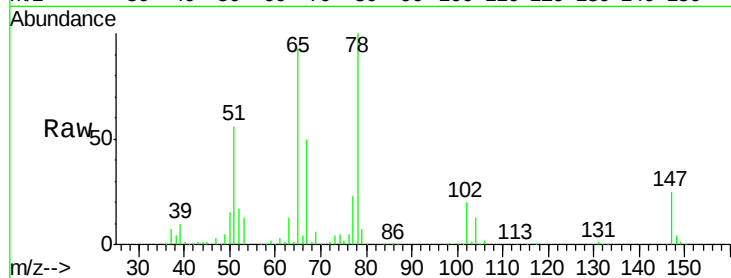
67 57.5 0.0 112.8

Manual Integrations

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MMDadoda

4/6/2020 11:30:28 AM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.71 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VY002211.D

Acq: 03 Apr 2020 11:53

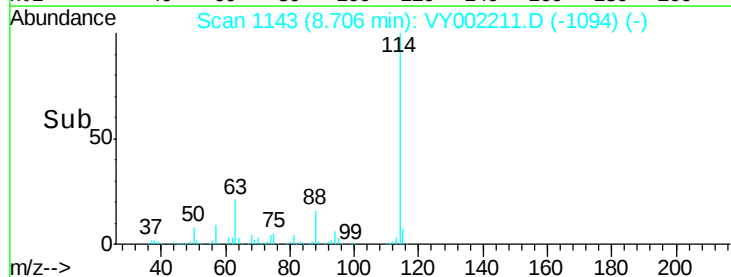
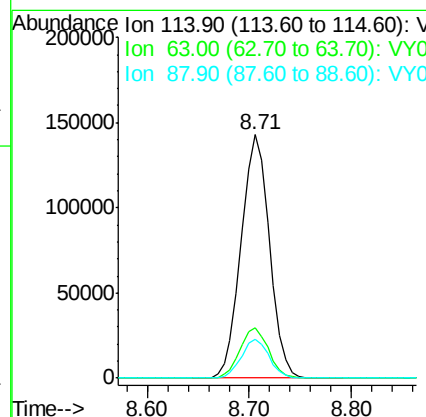
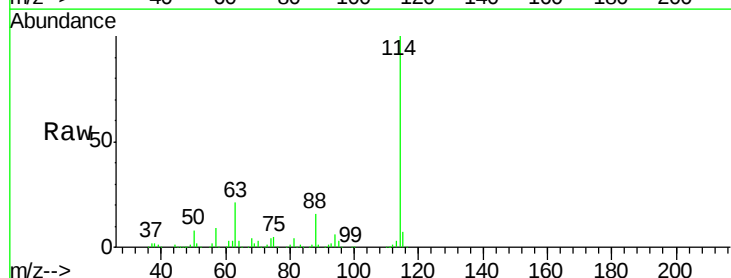
Tgt Ion: 114 Resp: 275121

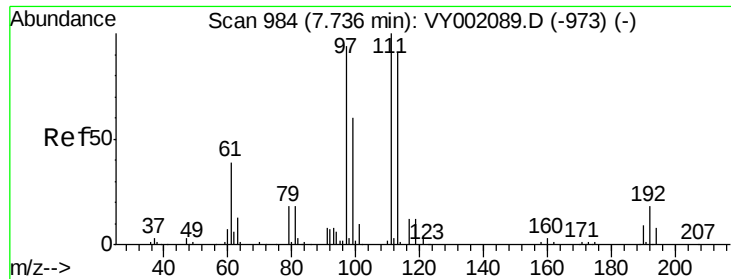
Ion Ratio Lower Upper

114 100

63 20.5 0.0 41.4

88 15.7 0.0 33.0





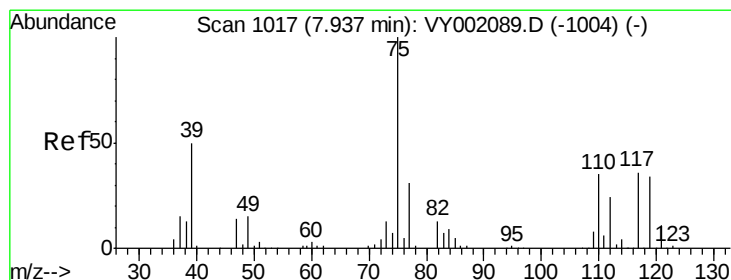
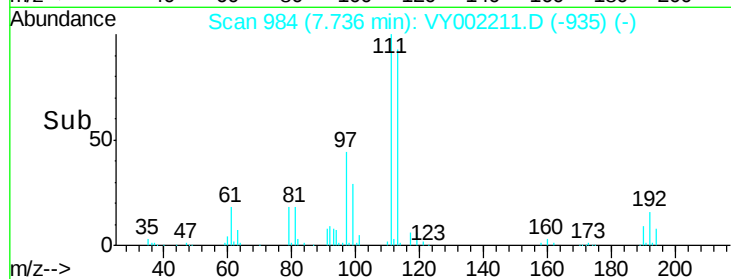
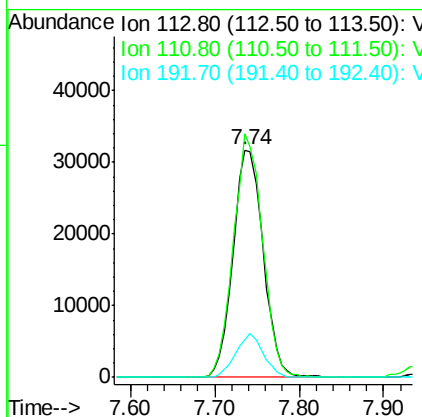
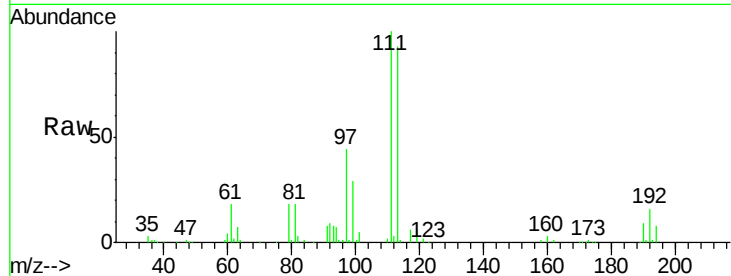
#35
 Dibromofluoromethane
 Concen: 49.704 ug/l
 RT: 7.74 min Scan# 984
 Delta R.T. 0.00 min
 Lab File: VY002211.D
 Acq: 03 Apr 2020 11:53

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0403SBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.7	84.4	126.6
192	17.7	14.6	21.8

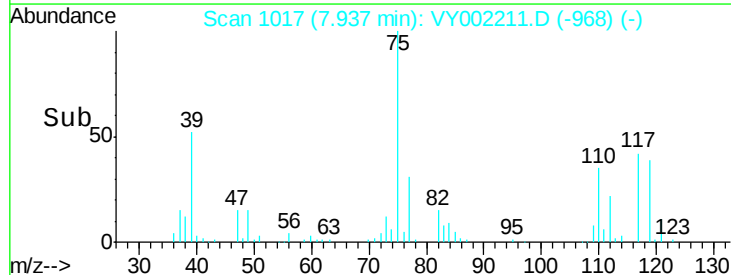
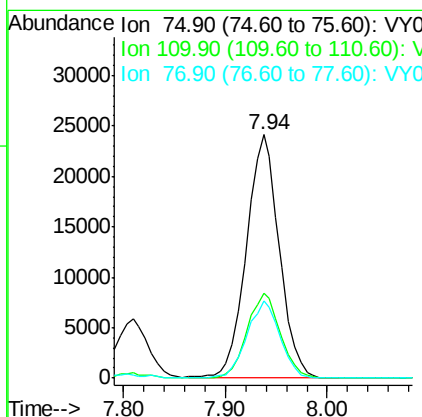
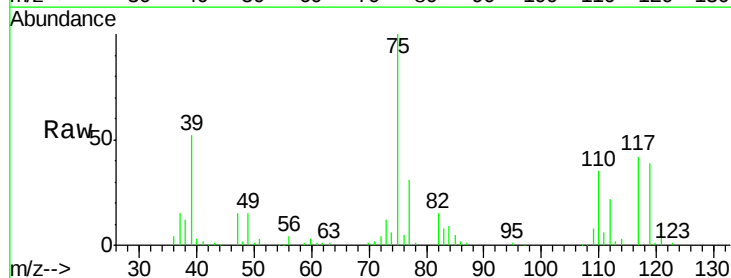
Manual Integrations
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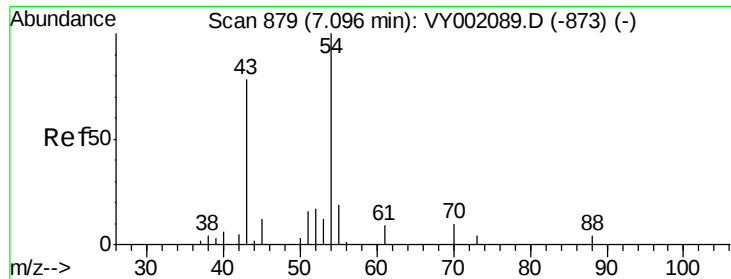
MMDadoda
 4/6/2020 11:30:28 AM



#36
 1,1-Dichloropropene
 Concen: 20.836 ug/l
 RT: 7.94 min Scan# 1017
 Delta R.T. 0.00 min
 Lab File: VY002211.D
 Acq: 03 Apr 2020 11:53

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.1	17.2	51.6
77	32.0	24.7	37.1





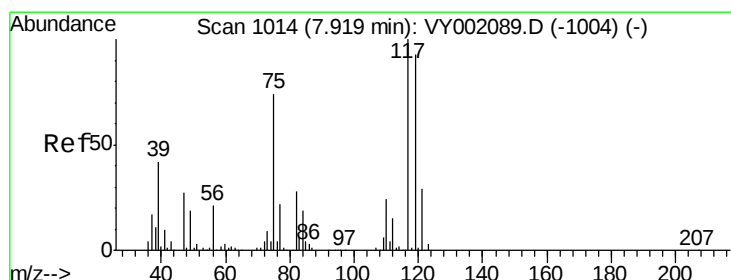
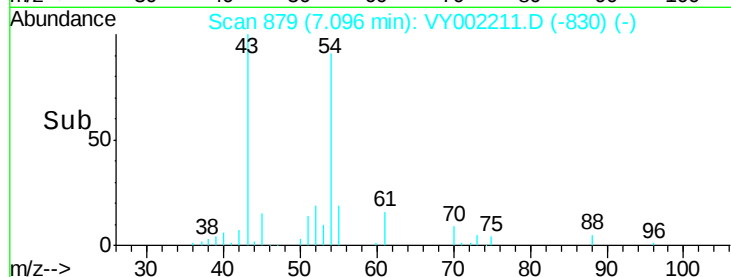
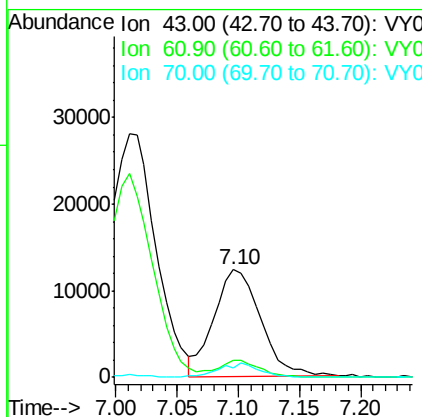
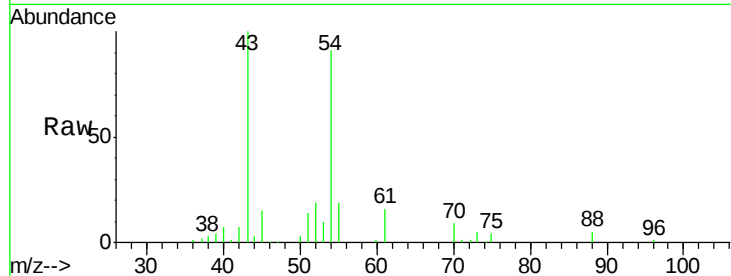
#37
Ethyl Acetate
Concen: 20.994 ug/l
RT: 7.10 min Scan# 879
Delta R.T. 0.00 min
Lab File: VY002211.D
Acq: 03 Apr 2020 11:53

Instrument :
MSVOA_Y
ClientSampleId :
VY0403SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.7	11.2	16.8
70	11.3	8.2	12.4

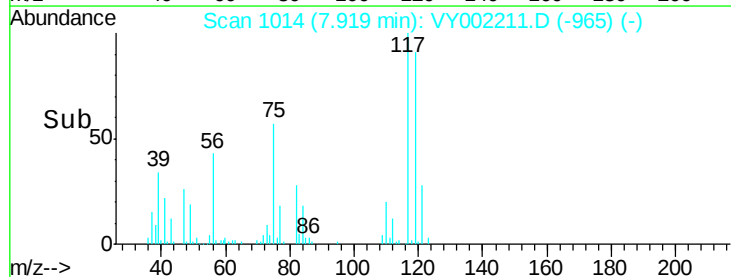
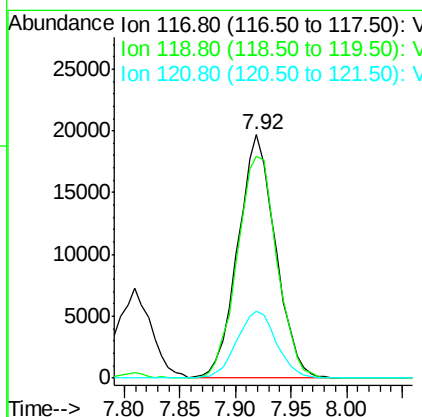
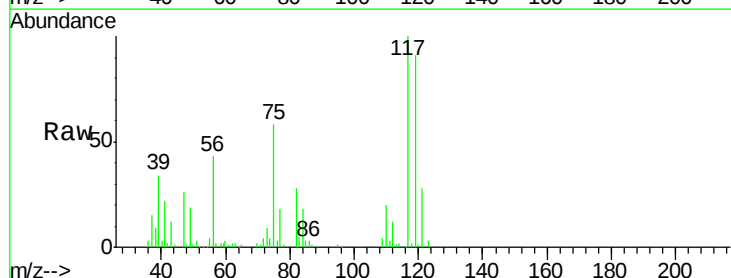
Manual Integrations
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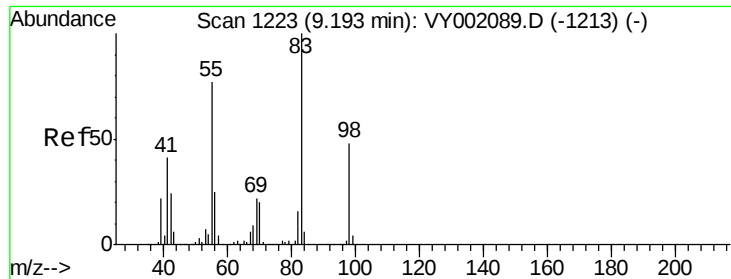
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4/6/2020 11:30:28 AM



#38
Carbon Tetrachloride
Concen: 20.938 ug/l
RT: 7.92 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VY002211.D
Acq: 03 Apr 2020 11:53

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.3	74.3	111.5
121	27.7	23.3	34.9





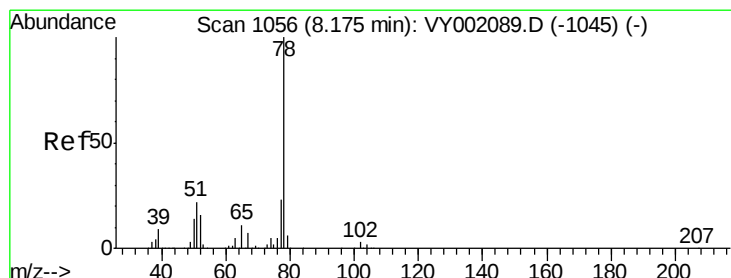
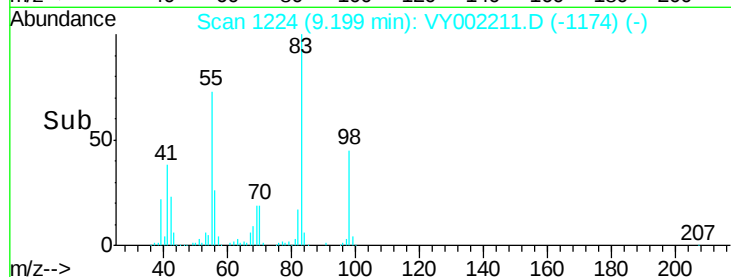
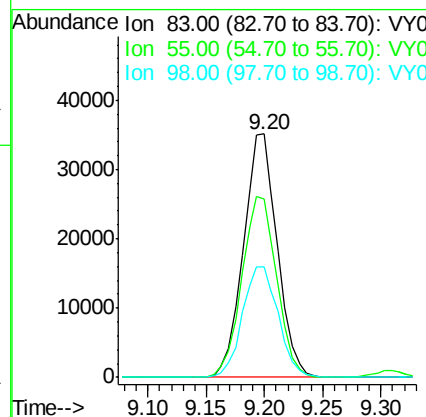
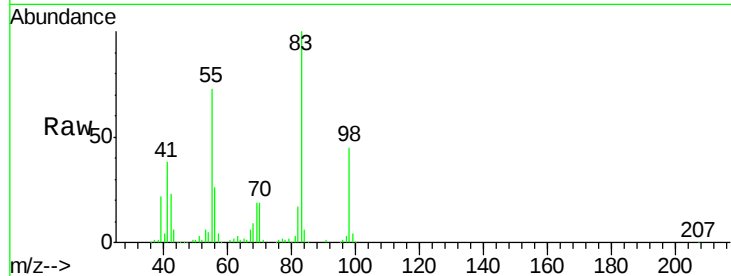
#39
Methvlcvclohexane
Concen: 20.800 ug/l
RT: 9.20 min Scan# 1224
Delta R.T. 0.01 min
Lab File: VY002211.D
Acq: 03 Apr 2020 11:53

Instrument :
MSVOA_Y
ClientSampleId :
VY0403SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.1	61.2	91.8
98	45.5	38.2	57.2

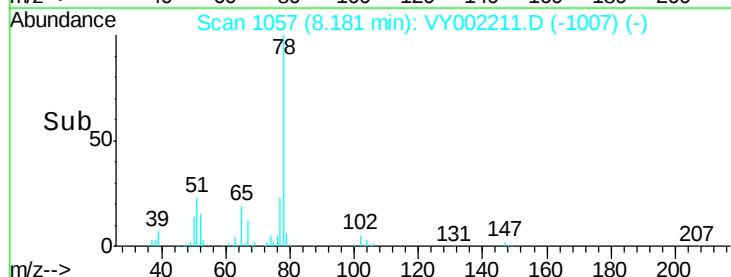
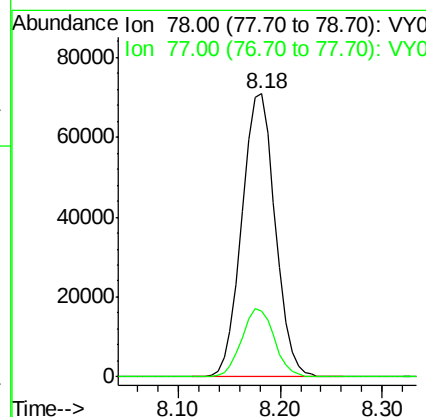
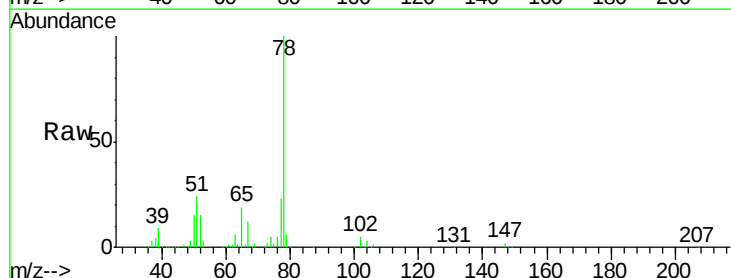
Manual Integrations
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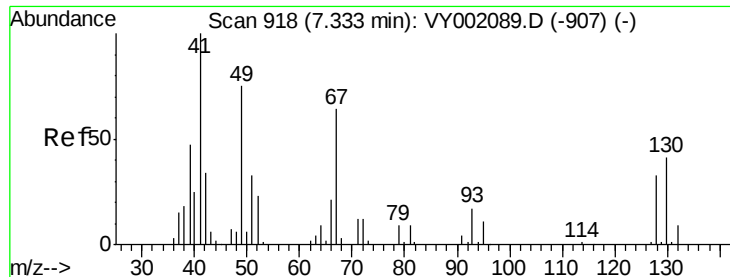
MMDadoda
4/6/2020 11:30:28 AM



#40
Benzene
Concen: 20.856 ug/l
RT: 8.18 min Scan# 1057
Delta R.T. 0.01 min
Lab File: VY002211.D
Acq: 03 Apr 2020 11:53

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.2	27.4





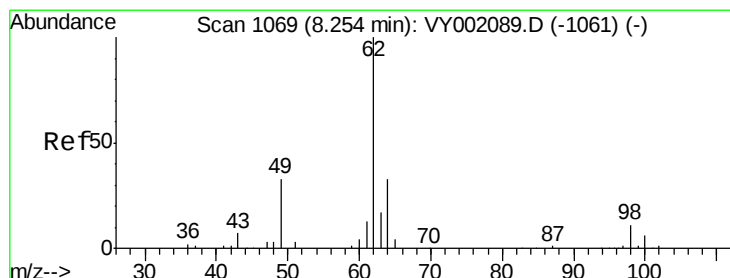
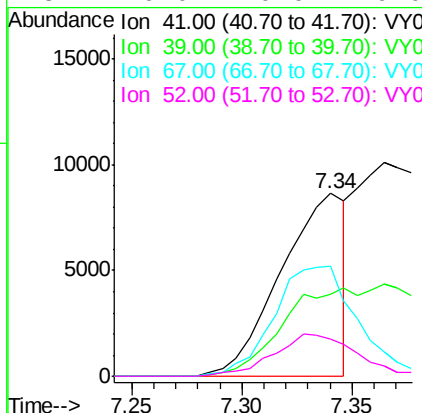
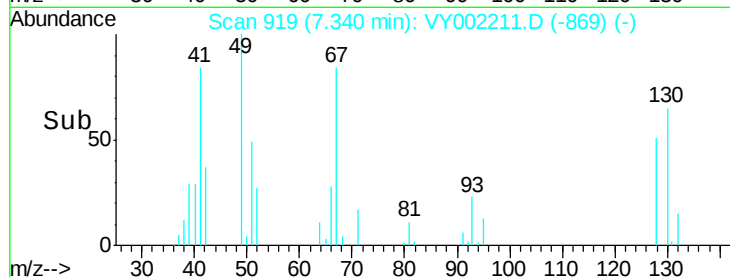
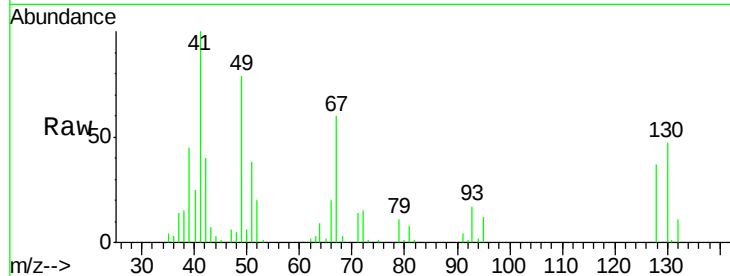
#41
Methacrylonitrile
Concen: 22.362 ug/l m
RT: 7.34 min Scan# 919
Delta R.T. 0.01 min
Lab File: VY002211.D
Acq: 03 Apr 2020 11:53

Instrument :
MSVOA_Y
ClientSampleId :
VY0403SBS01

Tot Ion	41	Resp:	17788
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

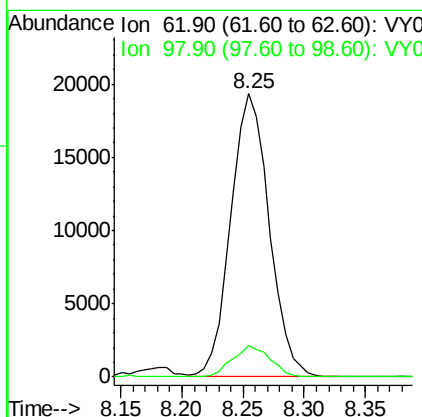
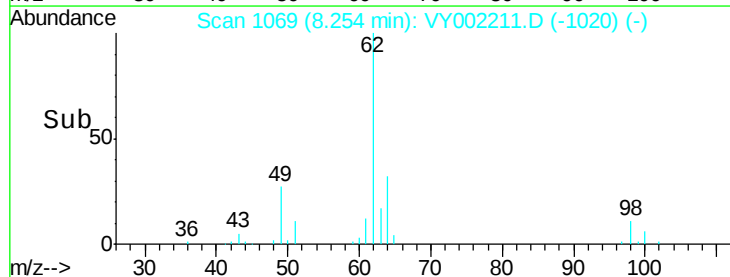
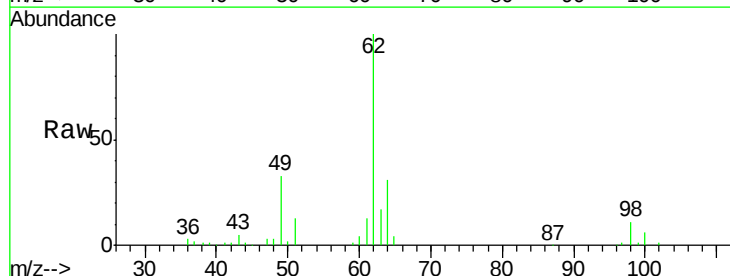
Manual Integrations
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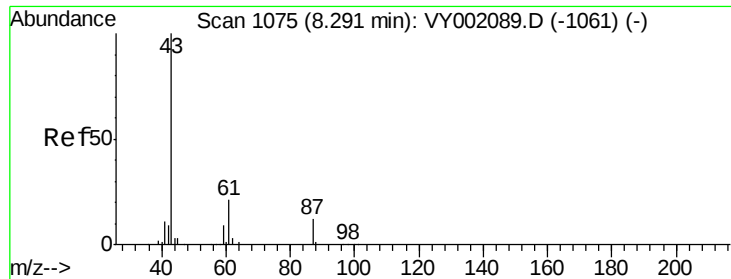
MMDadoda
4/6/2020 11:30:28 AM



#42
1,2-Dichloroethane
Concen: 20.605 ug/l
RT: 8.25 min Scan# 1069
Delta R.T. 0.00 min
Lab File: VY002211.D
Acq: 03 Apr 2020 11:53

Tgt Ion	62	Resp:	42168
Ion	Ratio	Lower	Upper
62	100		
98	10.7	0.0	21.2





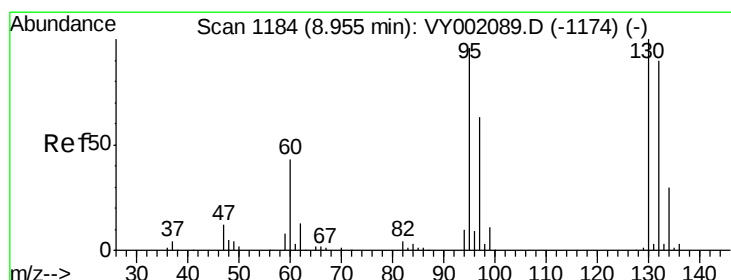
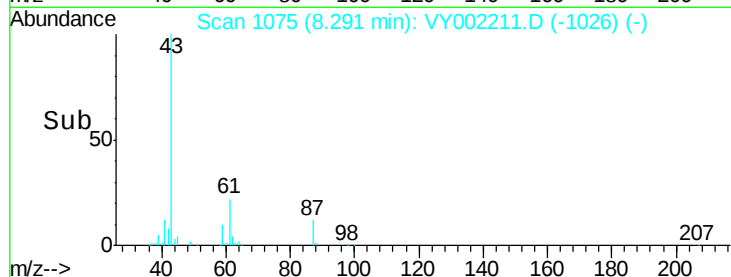
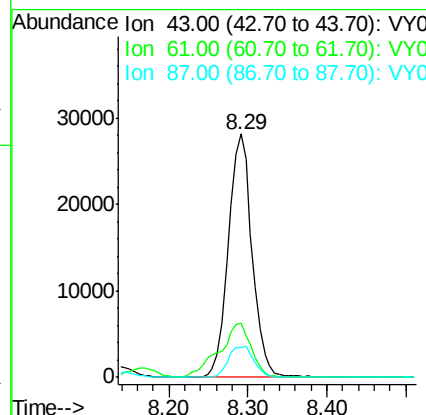
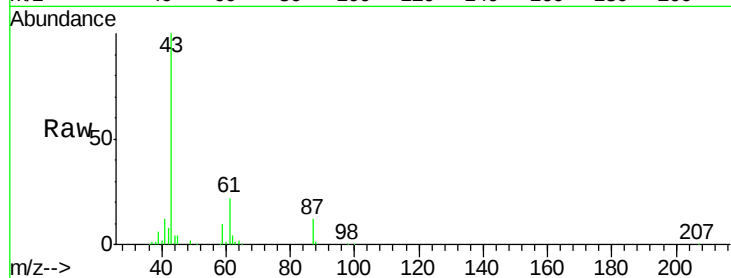
#43
Isopropyl Acetate
Concen: 20.198 ug/l
RT: 8.29 min Scan# 1075
Delta R.T. 0.00 min
Lab File: VY002211.D
Acq: 03 Apr 2020 11:53

Instrument :
MSVOA_Y
ClientSampleId :
VY0403SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.8	23.4	35.2
87	13.6	10.2	15.4

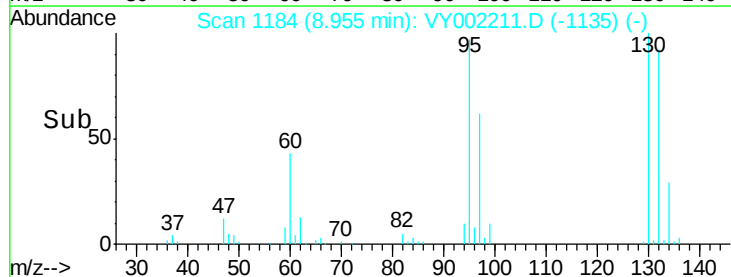
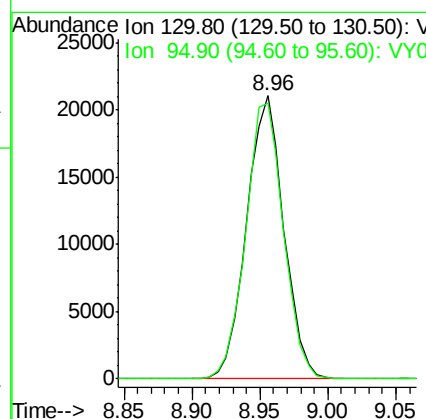
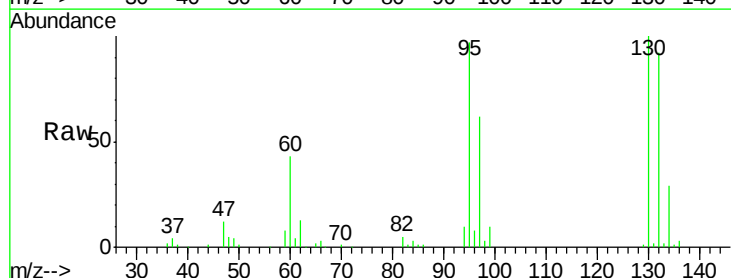
Manual Integrations
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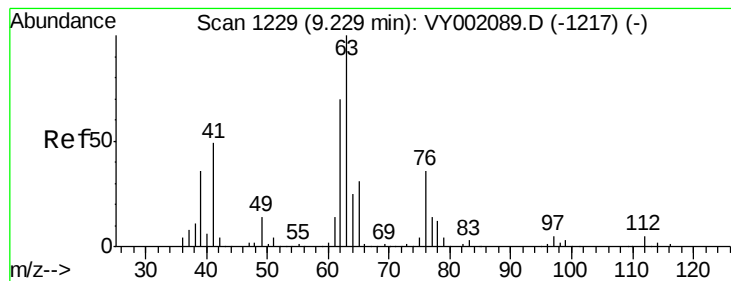
MMDadoda
4/6/2020 11:30:28 AM



#44
Trichloroethene
Concen: 21.636 ug/l
RT: 8.96 min Scan# 1184
Delta R.T. 0.00 min
Lab File: VY002211.D
Acq: 03 Apr 2020 11:53

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.2	0.0	193.0





#45

1,2-Dichloropropane

Concen: 21.050 ug/l

RT: 9.23 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VY002211.D

Acq: 03 Apr 2020 11:53

Instrument :

MSVOA_Y

ClientSampleId :

VY0403SBS01

Tot Ion: 63 Resp: 41314

Ion Ratio Lower Upper

63 100

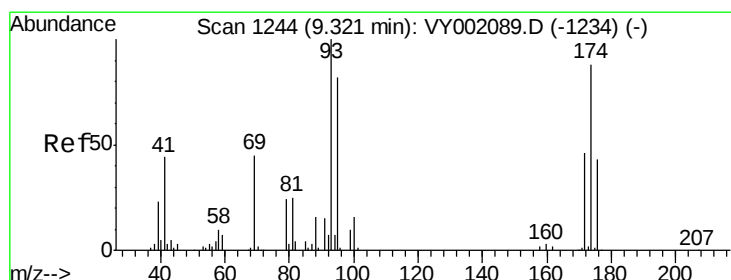
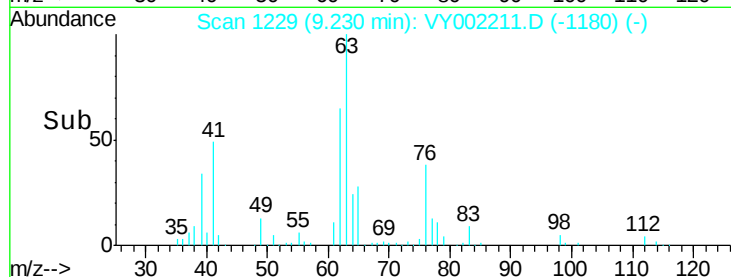
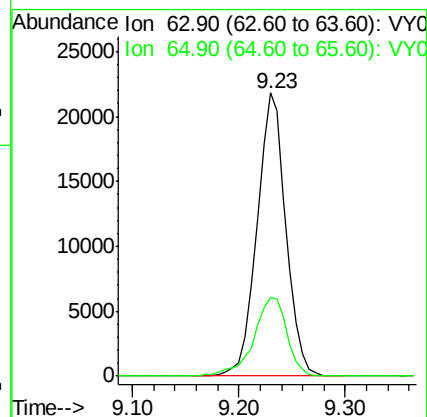
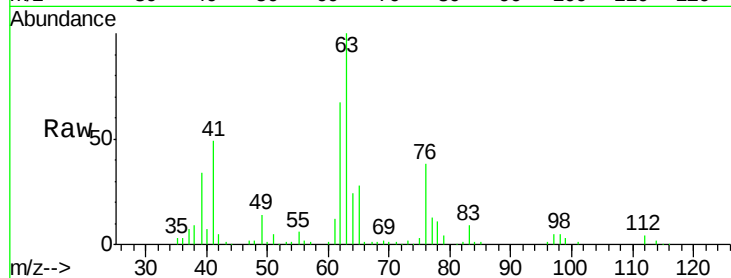
65 27.9 25.0 37.6

Manual Integrations

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4/6/2020 11:30:28 AM



#46

Dibromomethane

Concen: 21.083 ug/l

RT: 9.32 min Scan# 1243

Delta R.T. -0.01 min

Lab File: VY002211.D

Acq: 03 Apr 2020 11:53

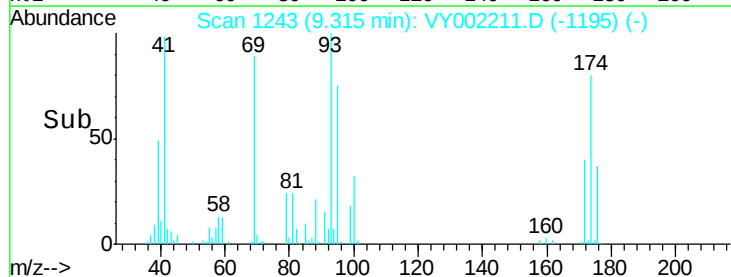
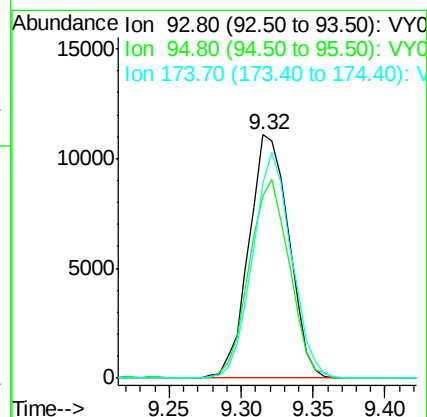
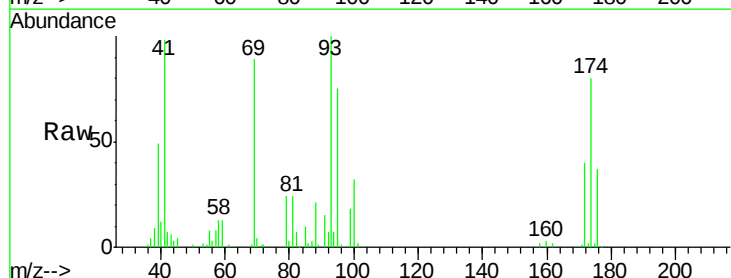
Tgt Ion: 93 Resp: 21251

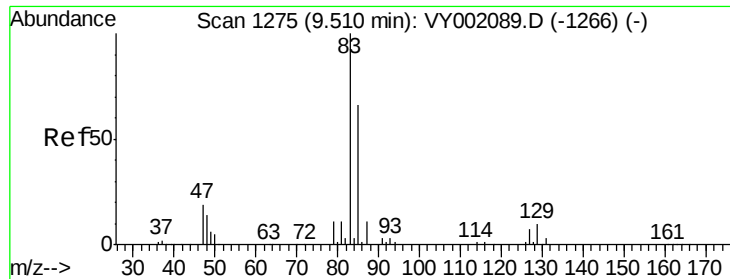
Ion Ratio Lower Upper

93 100

95 81.8 66.0 99.0

174 89.8 69.8 104.8





#47

Bromodichloromethane

Concen: 20.858 ug/l

RT: 9.51 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VY002211.D

Acq: 03 Apr 2020 11:53

Instrument :

MSVOA_Y

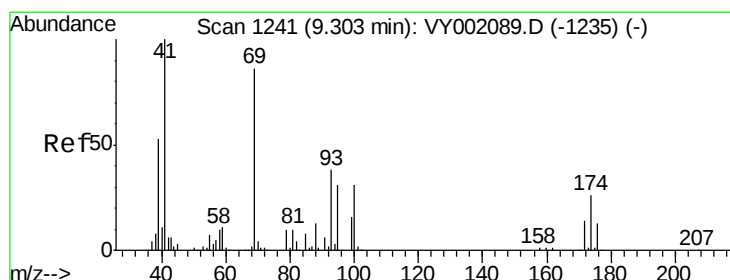
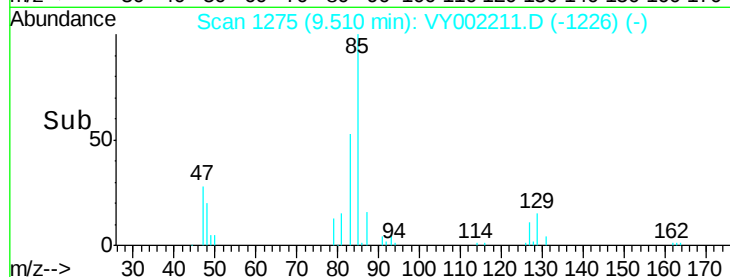
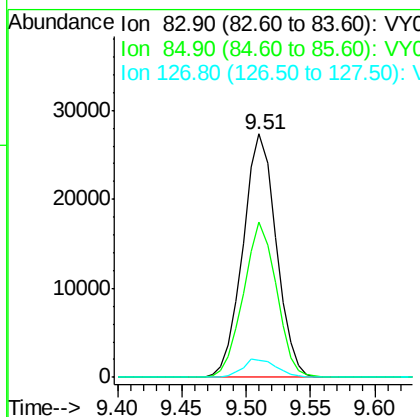
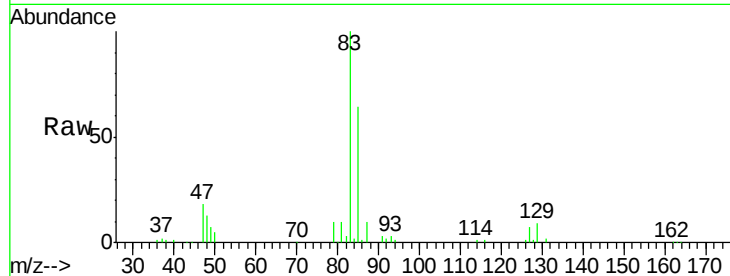
ClientSampleId :

VY0403SBS01

Tot Ion:	83	Resp:	48943
Ion	Ratio	Lower	Upper
83	100		
85	64.0	52.6	79.0
127	7.2	5.9	8.9

Manual Integrations
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MMDadoda
4/6/2020 11:30:28 AM



#48

Methyl methacrylate

Concen: 19.999 ug/l

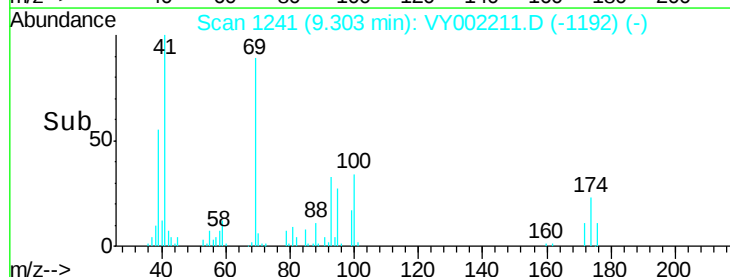
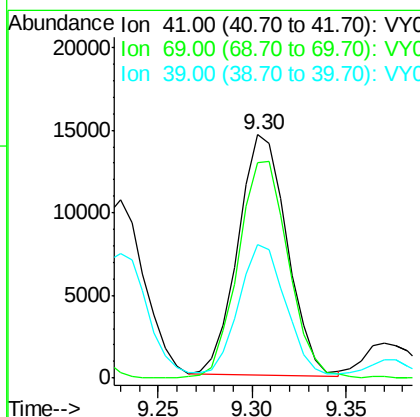
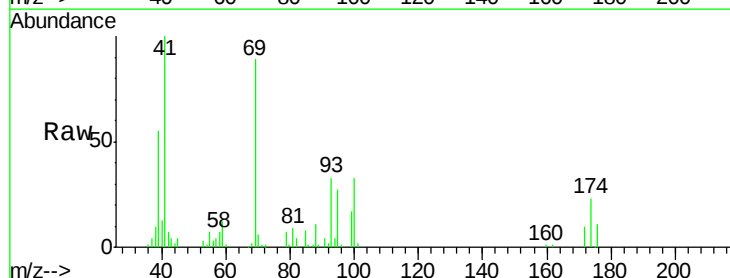
RT: 9.30 min Scan# 1241

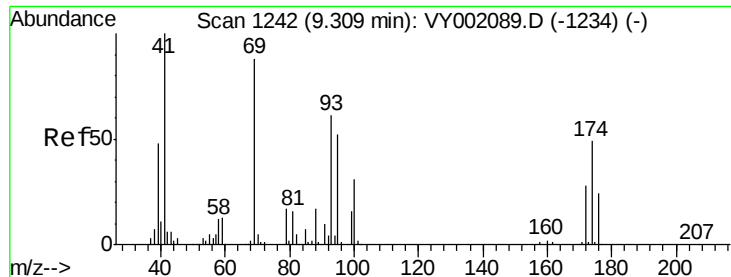
Delta R.T. 0.00 min

Lab File: VY002211.D

Acq: 03 Apr 2020 11:53

Tgt Ion:	41	Resp:	26158
Ion	Ratio	Lower	Upper
41	100		
69	92.8	71.4	107.0
39	51.5	41.0	61.4





#49

1,4-Dioxane

Concen: 420.271 ug/l

RT: 9.32 min Scan# 1243

Delta R.T. 0.01 min

Lab File: VY002211.D

Acq: 03 Apr 2020 11:53

Instrument :

MSVOA_Y

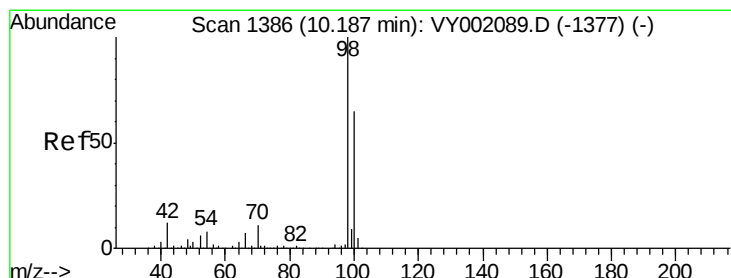
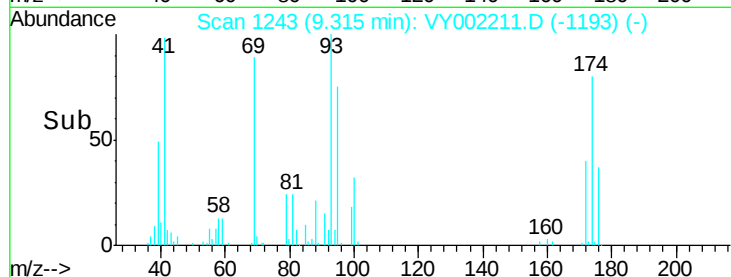
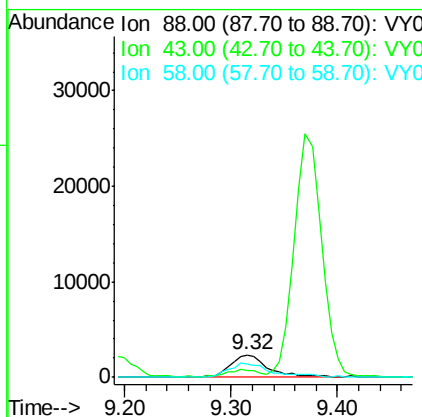
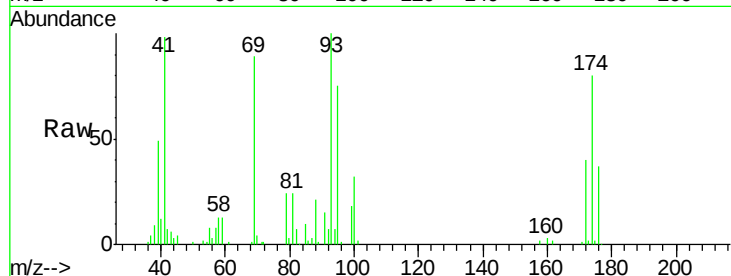
ClientSampleId :

VY0403SBS01

Tot Ion:	88	Resp:	5813
Ion	Ratio	Lower	Upper
88	100		
43	29.3	27.2	40.8
58	72.5	59.8	89.8

Manual Integrations
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#50

Toluene-d8

Concen: 49.868 ug/l

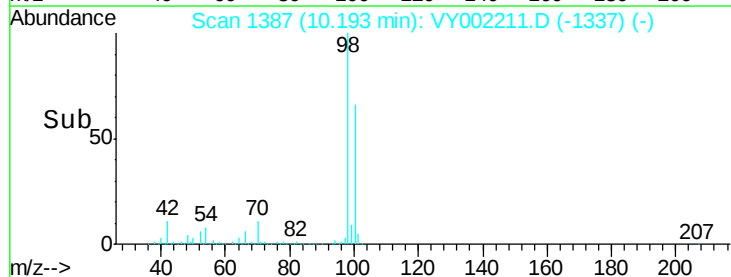
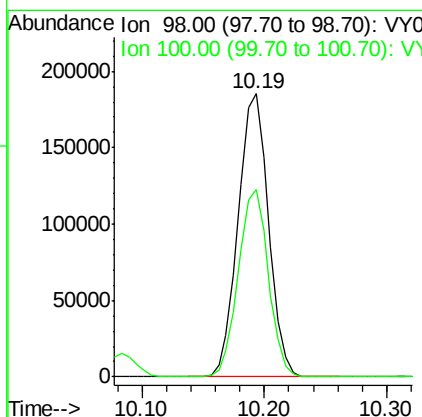
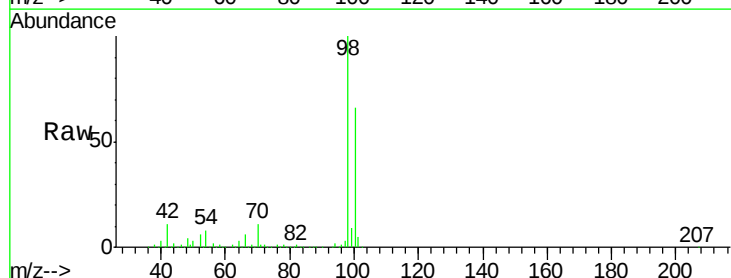
RT: 10.19 min Scan# 1387

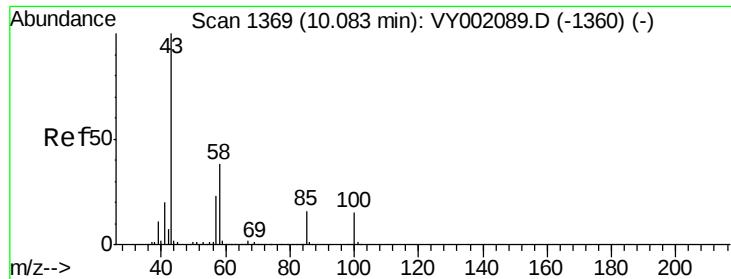
Delta R.T. 0.01 min

Lab File: VY002211.D

Acq: 03 Apr 2020 11:53

Tgt Ion:	98	Resp:	319350
Ion	Ratio	Lower	Upper
98	100		
100	65.5	51.6	77.4





#51

4-Methyl-2-Pentanone

Concen: 110.900 ug/l

RT: 10.08 min Scan# 1369

Delta R.T. 0.00 min

Lab File: VY002211.D

Acq: 03 Apr 2020 11:53

Instrument :

MSVOA_Y

ClientSampleId :

VY0403SBS01

Tot Ion: 43 Resp: 166673

Ion Ratio Lower Upper

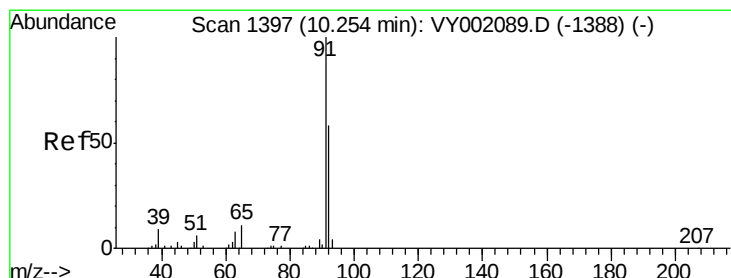
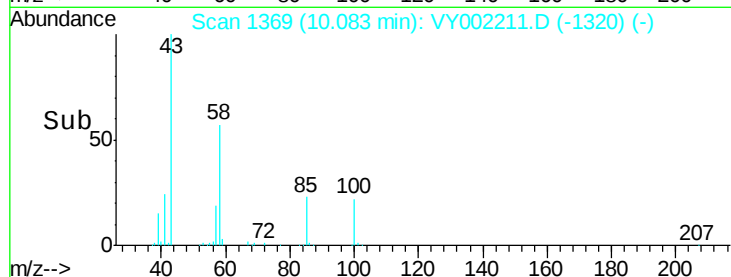
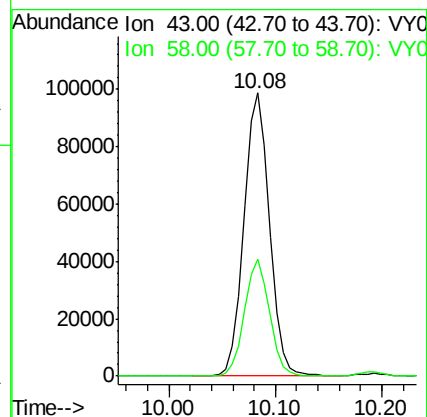
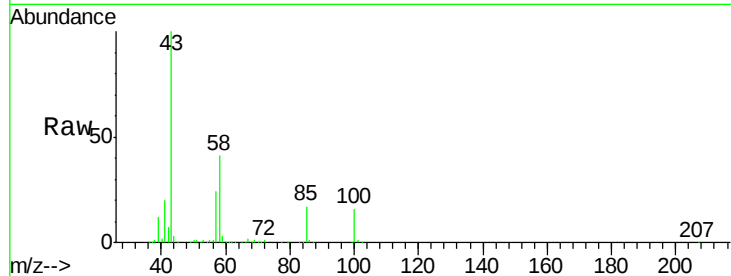
43 100

58 40.5 31.6 47.4

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#52

Toluene

Concen: 21.111 ug/l

RT: 10.25 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VY002211.D

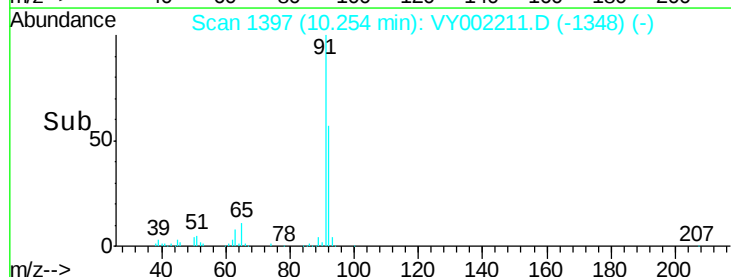
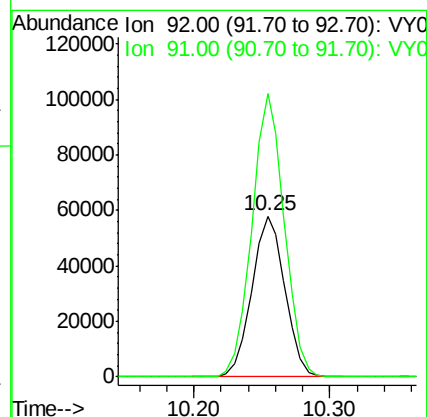
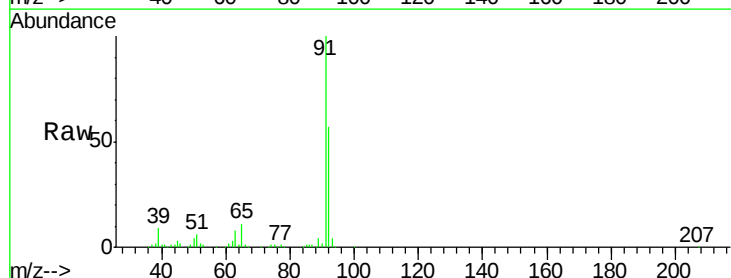
Acq: 03 Apr 2020 11:53

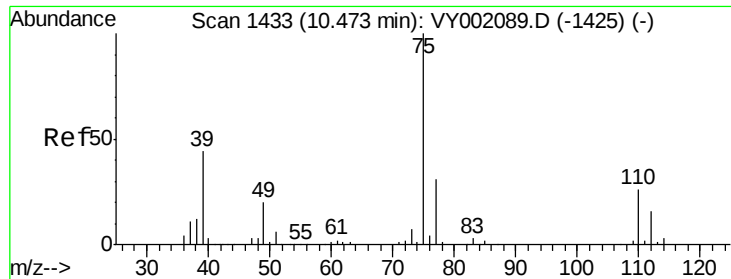
Tgt Ion: 92 Resp: 98421

Ion Ratio Lower Upper

92 100

91 172.2 139.3 208.9





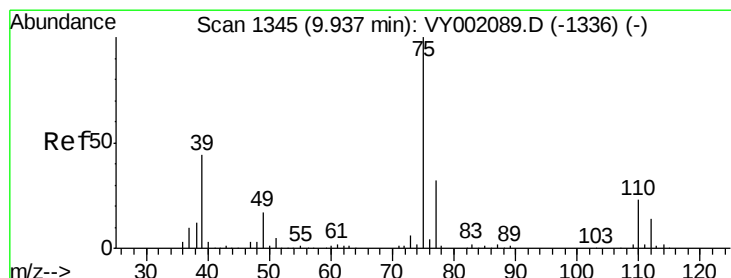
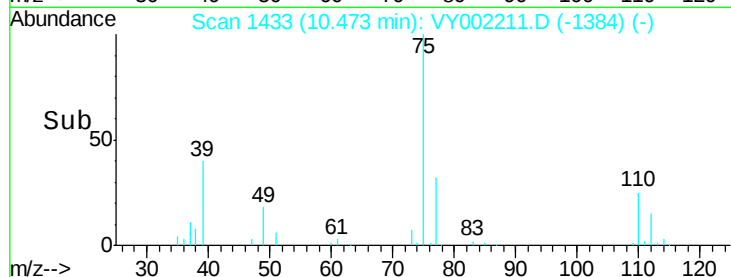
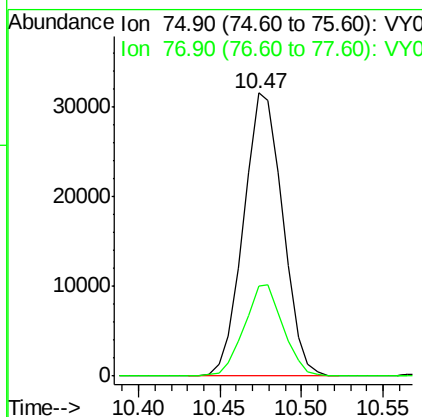
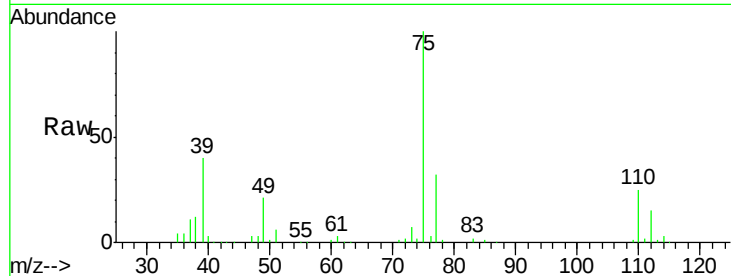
#53
t-1,3-Dichloropropene
Concen: 20.274 ug/l
RT: 10.47 min Scan# 1433
Delta R.T. 0.00 min
Lab File: VY002211.D
Acq: 03 Apr 2020 11:53

Instrument :
MSVOA_Y
ClientSampleId :
VY0403SBS01

Tot Ion: 75 Resp: 52802
Ion Ratio Lower Upper
75 100
77 31.9 25.2 37.8

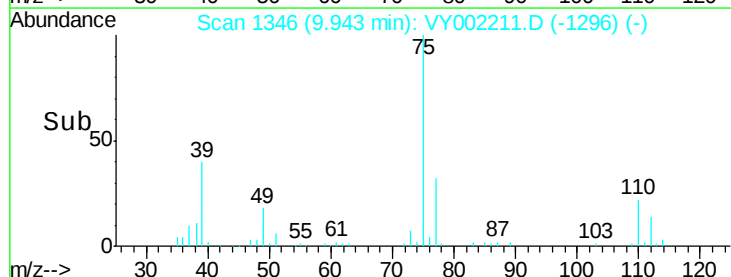
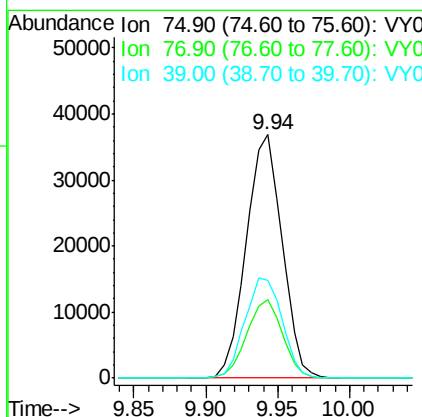
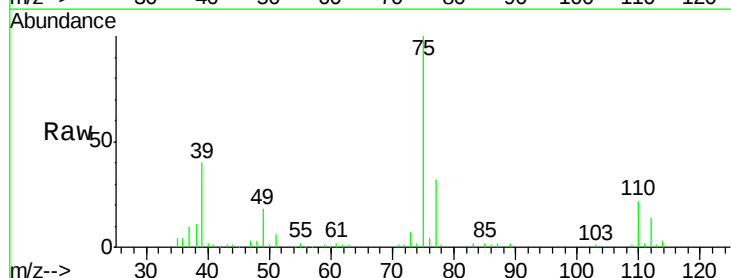
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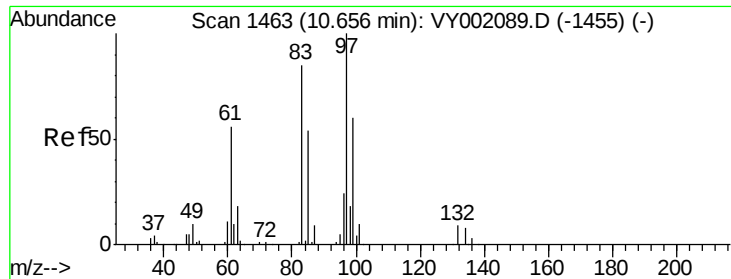
MMDadoda
4/6/2020 11:30:28 AM



#54
cis-1,3-Dichloropropene
Concen: 20.684 ug/l
RT: 9.94 min Scan# 1346
Delta R.T. 0.01 min
Lab File: VY002211.D
Acq: 03 Apr 2020 11:53

Tgt Ion: 75 Resp: 63424
Ion Ratio Lower Upper
75 100
77 32.2 25.6 38.4
39 40.2 35.2 52.8





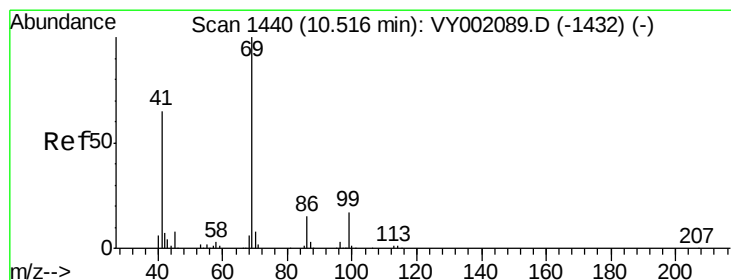
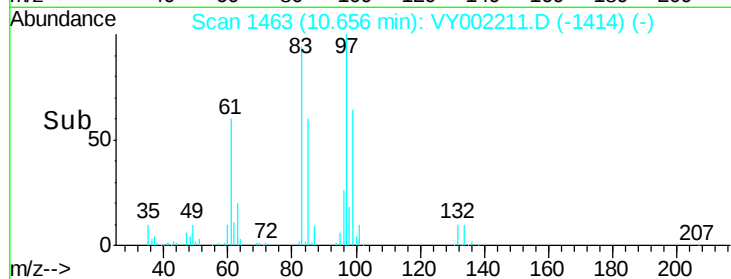
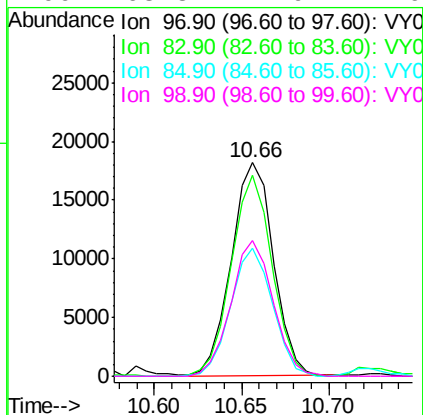
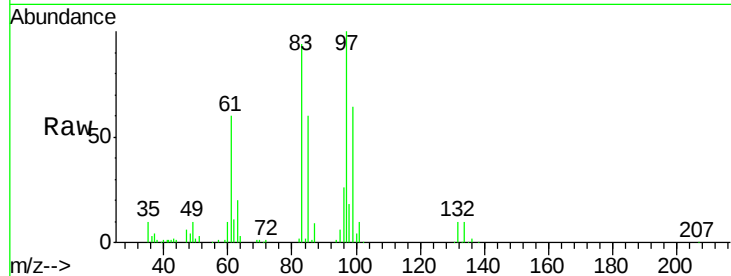
#55
 1,1,2-Trichloroethane
 Concen: 20.363 ug/l
 RT: 10.66 min Scan# 1463
 Delta R.T. 0.00 min
 Lab File: VY002211.D
 Acq: 03 Apr 2020 11:53

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0403SBS01

Tot Ion:	97	Resp:	30378
Ion	Ratio	Lower	Upper
97	100		
83	93.8	68.2	102.2
85	59.5	42.9	64.3
99	63.8	47.9	71.9

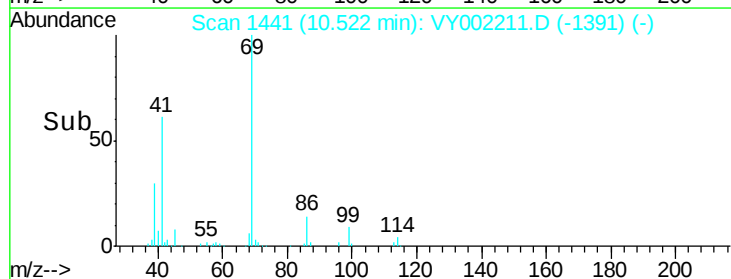
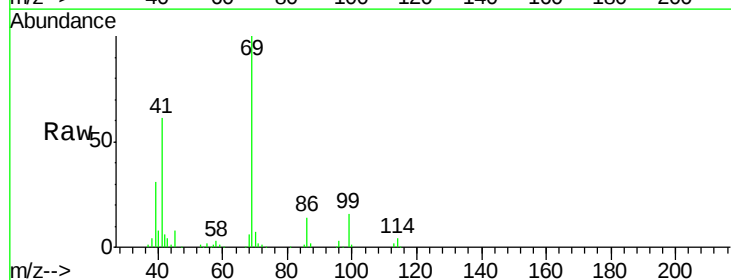
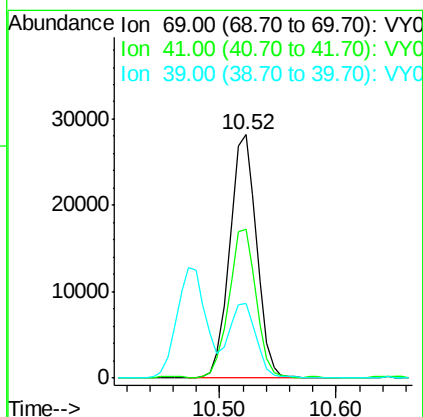
Manual Integrations
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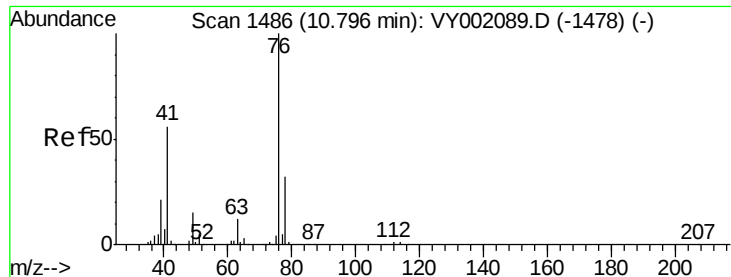
MMDadoda
 4/6/2020 11:30:28 AM



#56
 Ethyl methacrylate
 Concen: 20.881 ug/l
 RT: 10.52 min Scan# 1441
 Delta R.T. 0.01 min
 Lab File: VY002211.D
 Acq: 03 Apr 2020 11:53

Tgt Ion:	69	Resp:	45497
Ion	Ratio	Lower	Upper
69	100		
41	60.8	52.8	79.2
39	31.1	25.0	37.6





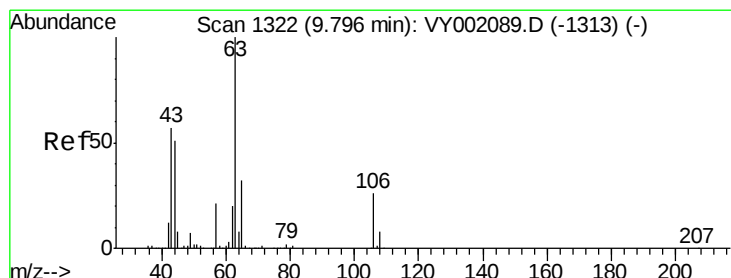
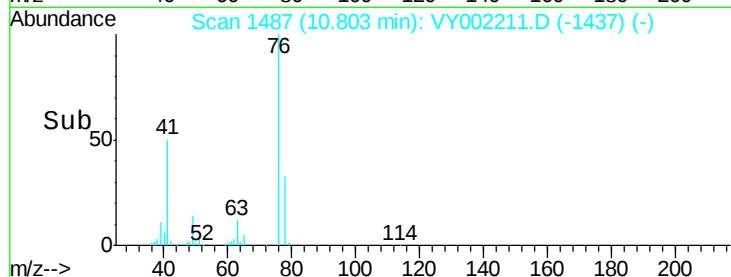
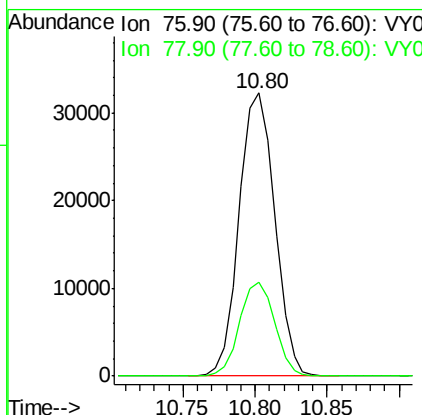
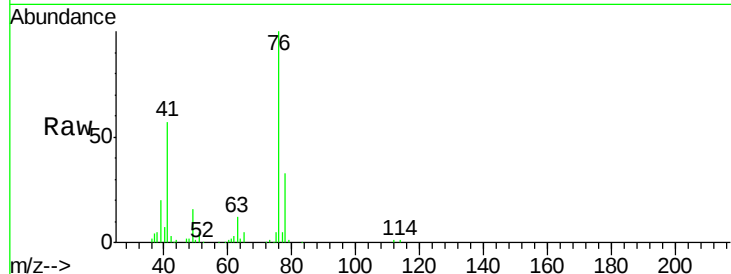
#57
 1,3-Dichloropropane
 Concen: 21.060 ug/l
 RT: 10.80 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VY002211.D
 Acq: 03 Apr 2020 11:53

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0403SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.5	26.1	39.1

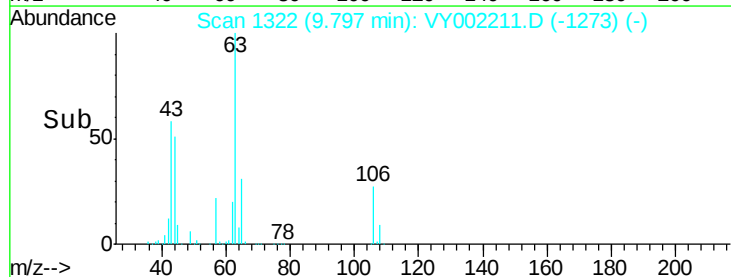
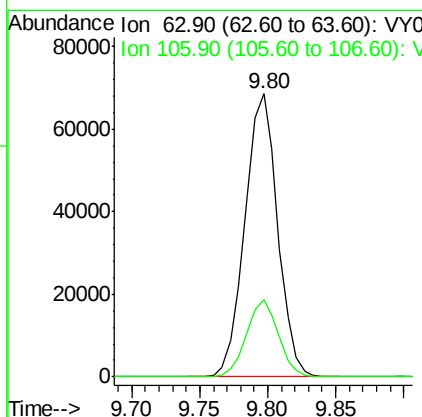
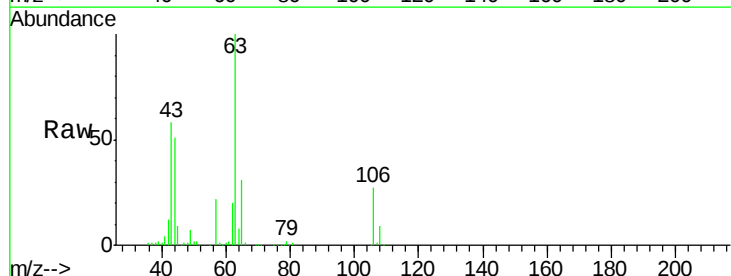
Manual Integrations
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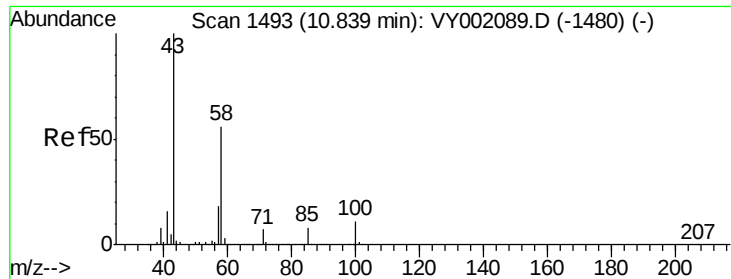
MMDadoda
 4/6/2020 11:30:28 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 103.329 ug/l
 RT: 9.80 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VY002211.D
 Acq: 03 Apr 2020 11:53

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.6	21.0	31.4





#59

2-Hexanone

Concen: 105.356 ug/l

RT: 10.85 min Scan# 1494

Delta R.T. 0.01 min

Lab File: VY002211.D

Acq: 03 Apr 2020 11:53

Instrument :

MSVOA_Y

ClientSampleId :

VY0403SBS01

Tot Ion: 43 Resp: 111538

Ion Ratio Lower Upper

43 100

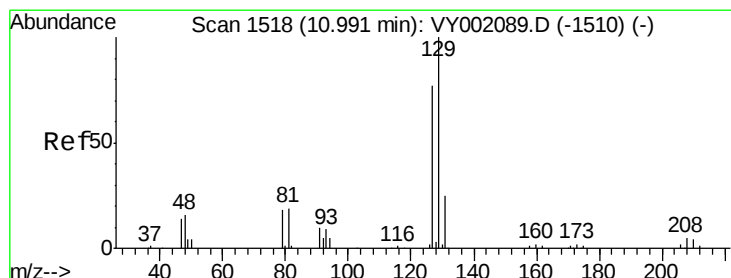
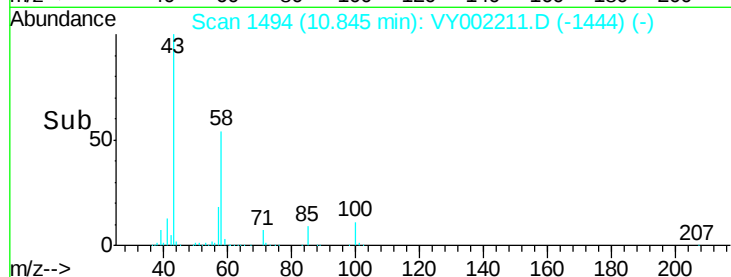
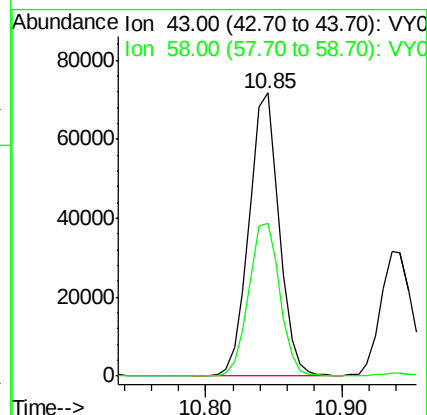
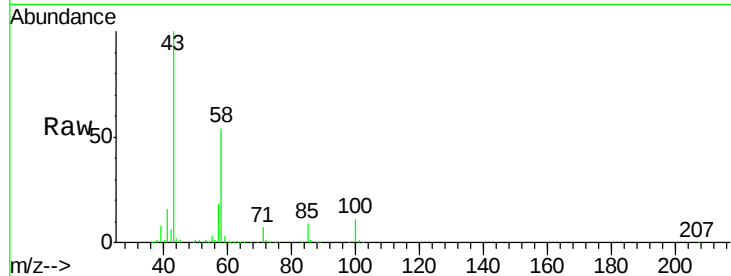
58 55.9 27.9 83.6

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#60

Dibromochloromethane

Concen: 20.678 ug/l

RT: 11.00 min Scan# 1519

Delta R.T. 0.01 min

Lab File: VY002211.D

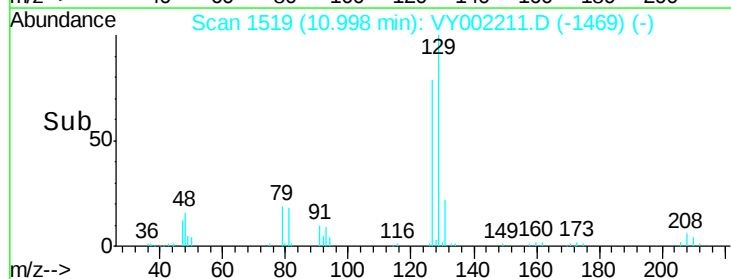
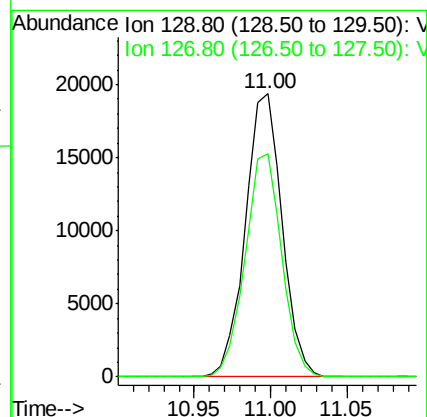
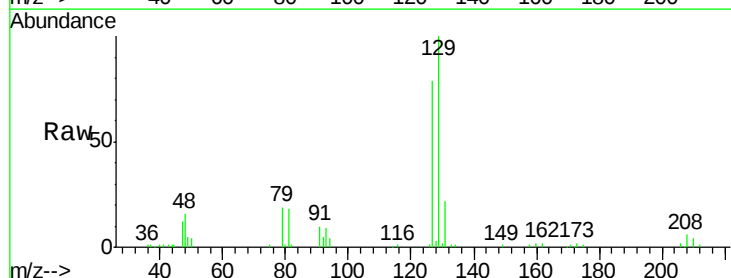
Acq: 03 Apr 2020 11:53

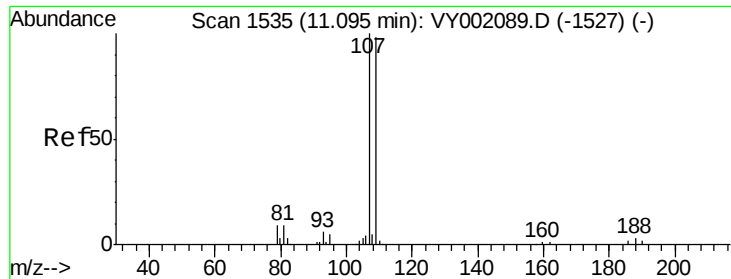
Tgt Ion: 129 Resp: 32280

Ion Ratio Lower Upper

129 100

127 78.5 38.7 116.1





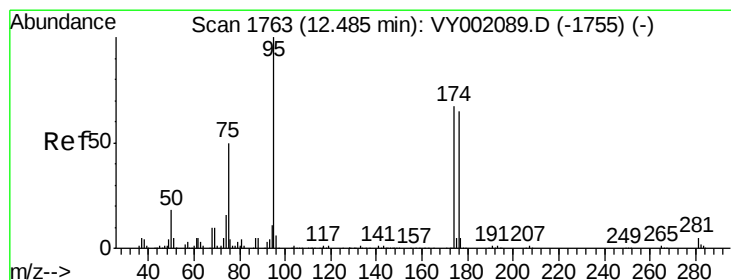
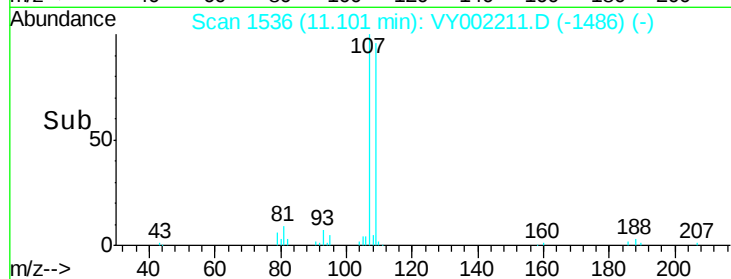
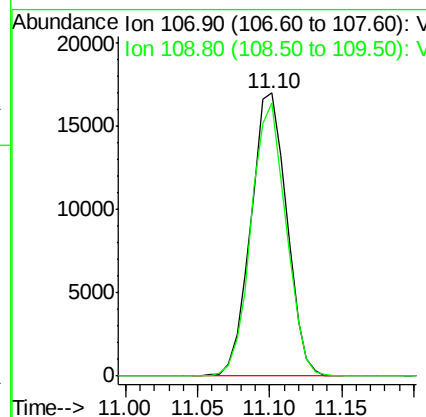
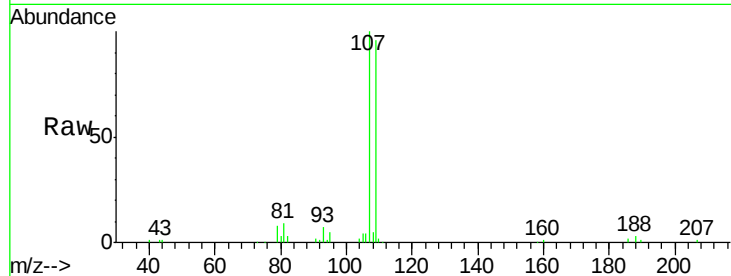
#61
 1,2-Dibromoethane
 Concen: 20.917 ug/l
 RT: 11.10 min Scan# 1536
 Delta R.T. 0.01 min
 Lab File: VY002211.D
 Acq: 03 Apr 2020 11:53

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0403SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.7	76.3	114.5

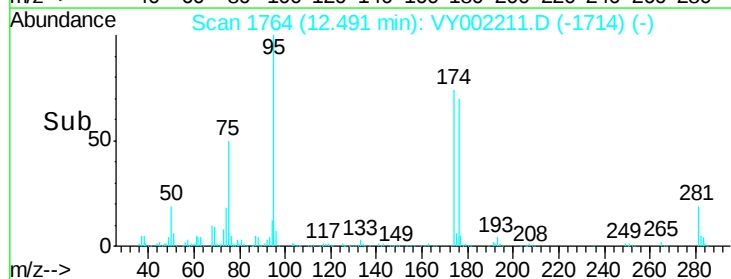
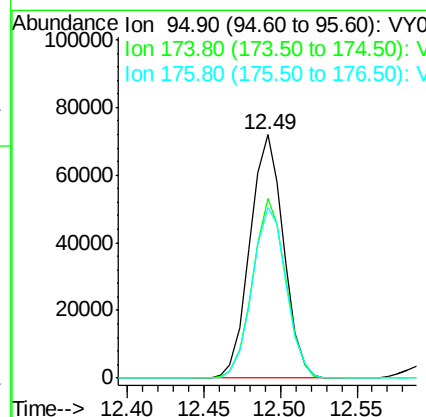
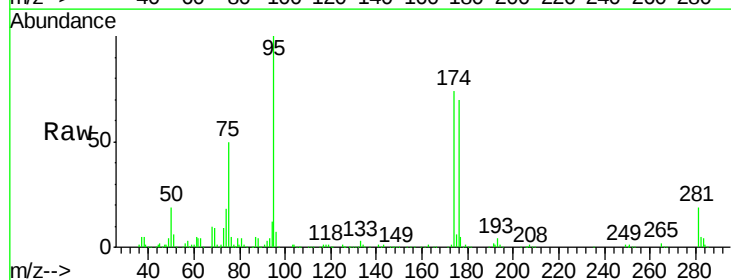
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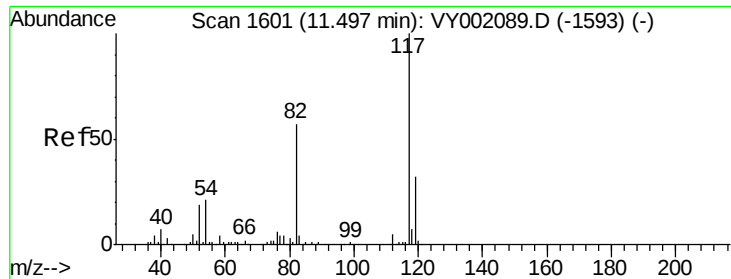
MMDadoda
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#62
 4-Bromofluorobenzene
 Concen: 49.131 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. 0.01 min
 Lab File: VY002211.D
 Acq: 03 Apr 2020 11:53

Tgt Ion	Ratio	Lower	Upper
95	100		
174	72.5	0.0	143.4
176	70.7	0.0	137.0





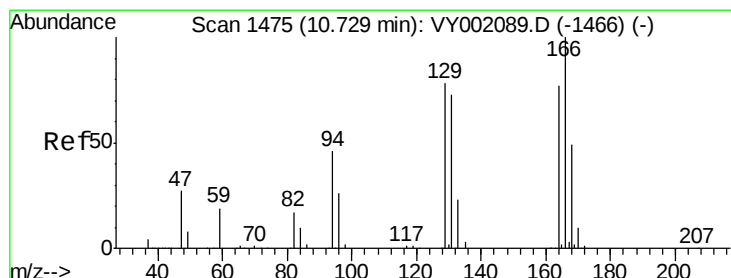
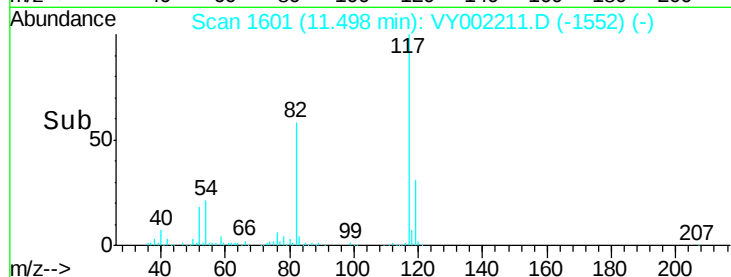
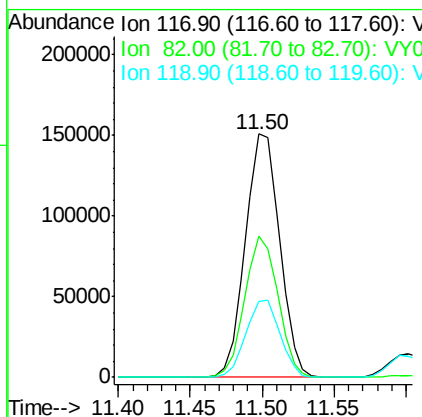
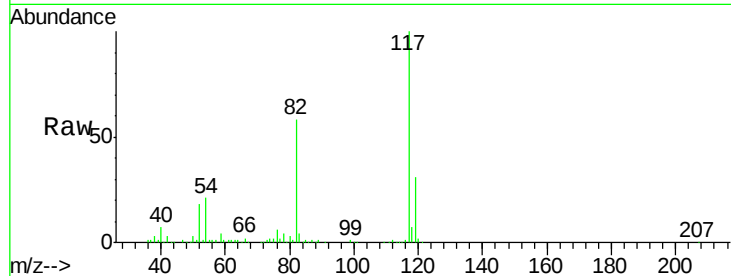
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. 0.00 min
Lab File: VY002211.D
Acq: 03 Apr 2020 11:53

Instrument :
MSVOA_Y
ClientSampleId :
VY0403SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	248731		
82	57.8	45.4	68.2	
119	31.1	25.3	37.9	

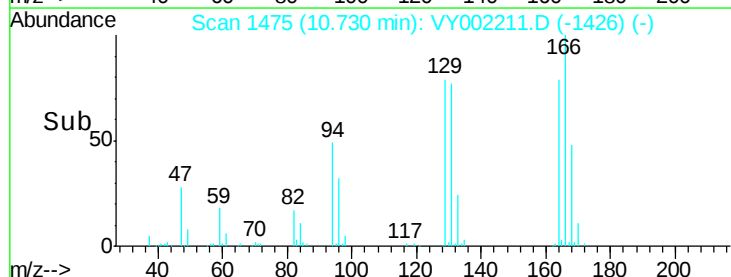
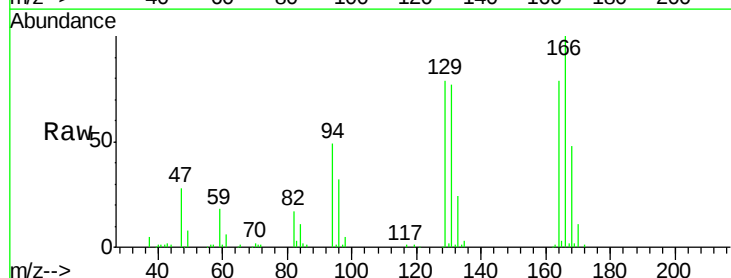
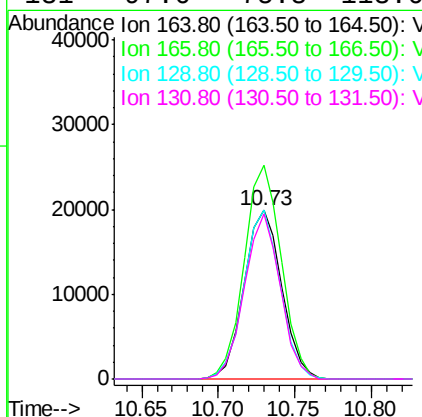
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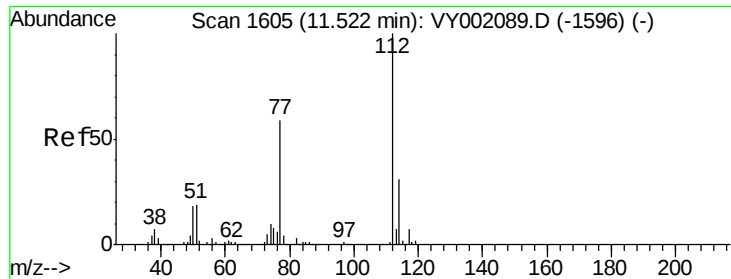
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#64
Tetrachloroethene
Concen: 22.404 ug/l
RT: 10.73 min Scan# 1475
Delta R.T. 0.00 min
Lab File: VY002211.D
Acq: 03 Apr 2020 11:53

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	34094		
166	126.6	104.0	156.0	
129	100.3	81.2	121.8	
131	97.6	75.8	113.6	





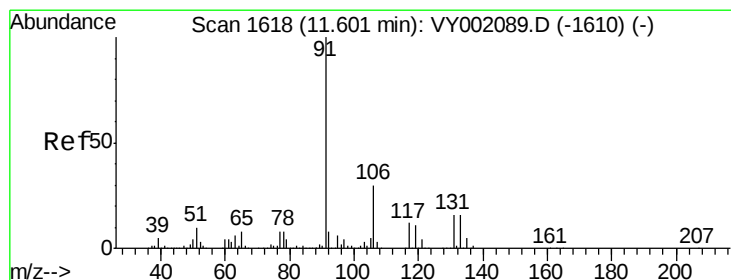
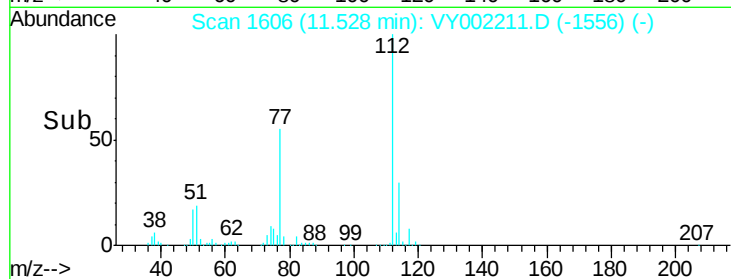
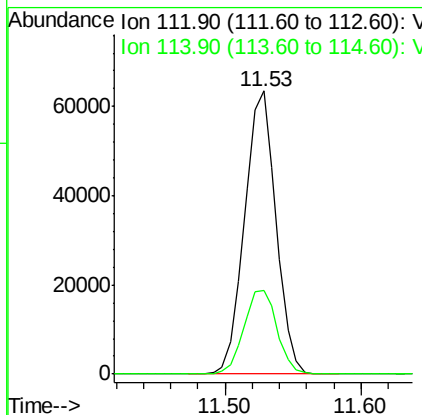
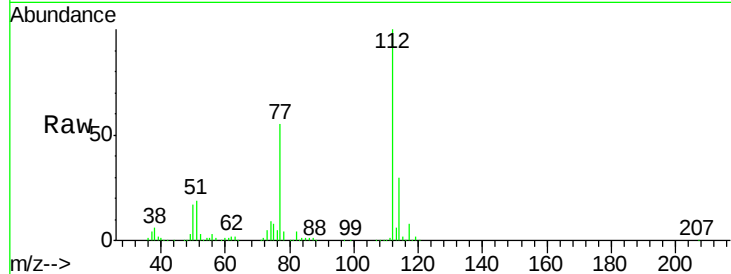
#65
Chlorobenzene
Concen: 21.342 ug/l
RT: 11.53 min Scan# 1606
Delta R.T. 0.01 min
Lab File: VY002211.D
Acq: 03 Apr 2020 11:53

Instrument :
MSVOA_Y
ClientSampleId :
VY0403SBS01

Tot Ion:112 Resp: 102469
Ion Ratio Lower Upper
112 100
114 29.7 24.9 37.3

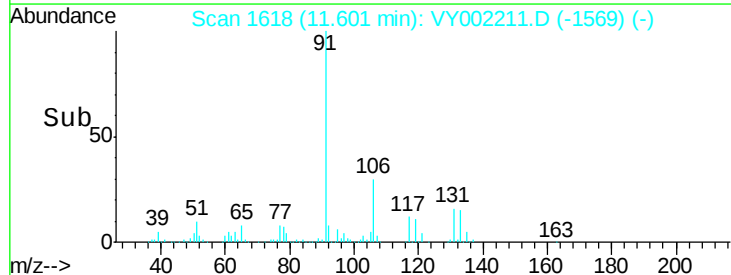
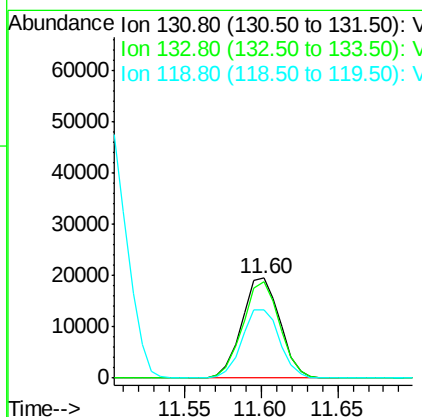
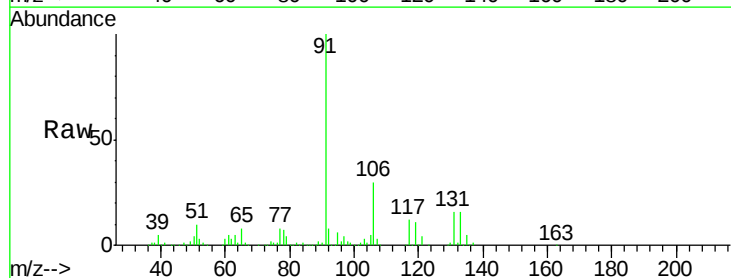
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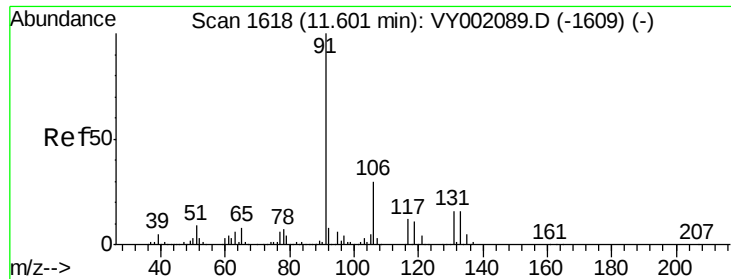
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.108 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VY002211.D
Acq: 03 Apr 2020 11:53

Tgt Ion:131 Resp: 33906
Ion Ratio Lower Upper
131 100
133 94.0 47.5 142.5
119 67.6 34.6 103.9





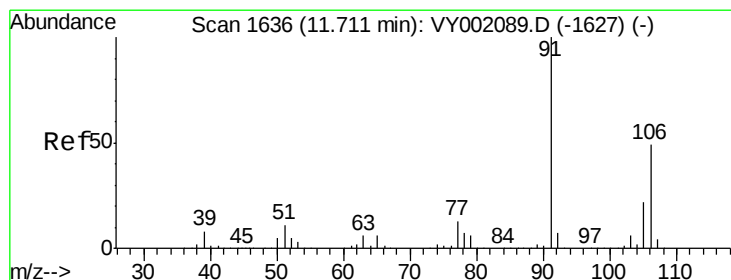
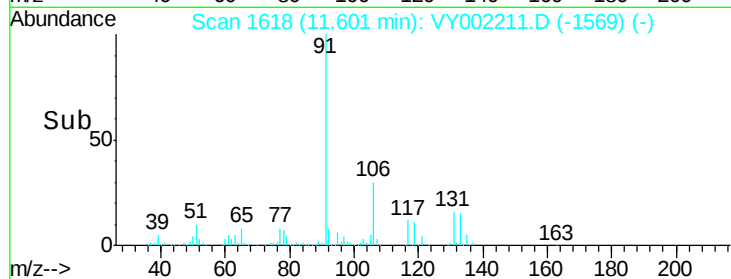
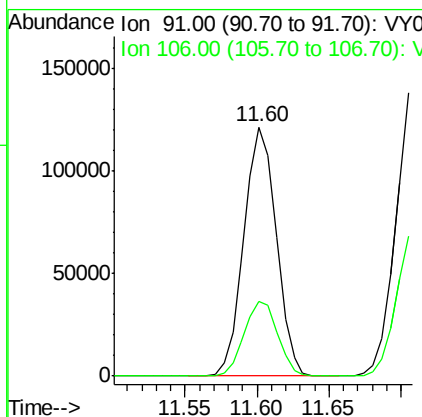
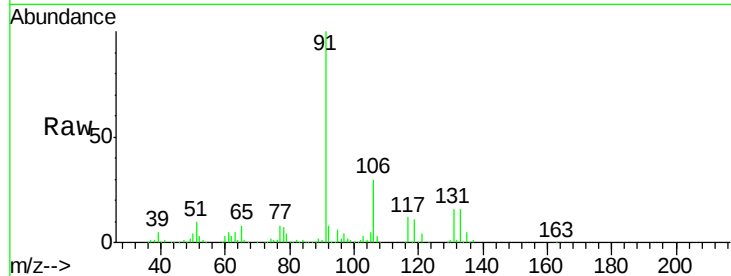
#67
Ethyl Benzene
Concen: 21.199 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VY002211.D
Acq: 03 Apr 2020 11:53

Instrument :
MSVOA_Y
ClientSampleId :
VY0403SBS01

Tot Ion: 91 Resp: 189034
Ion Ratio Lower Upper
91 100
106 29.9 24.1 36.1

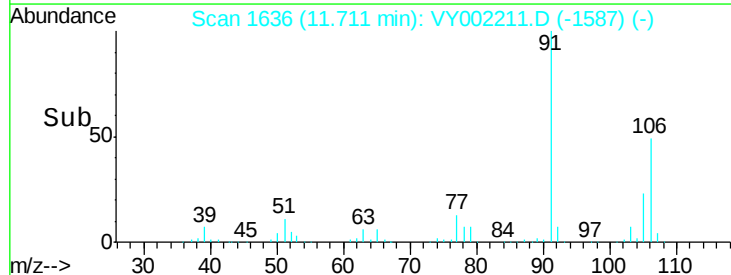
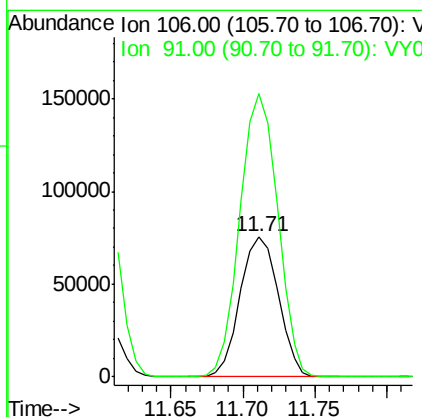
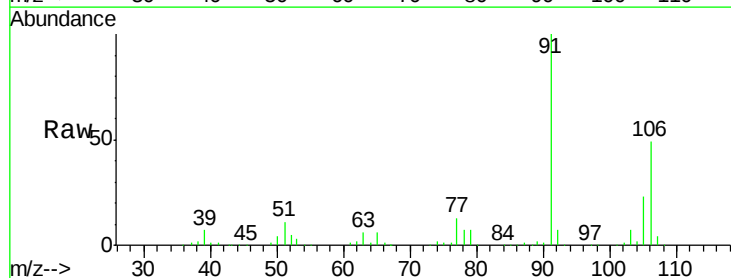
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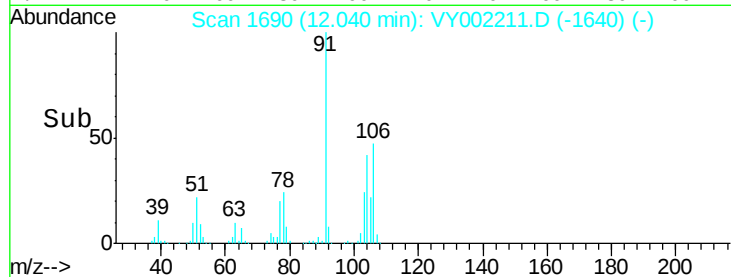
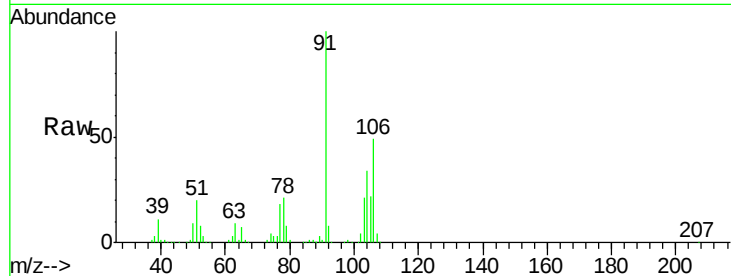
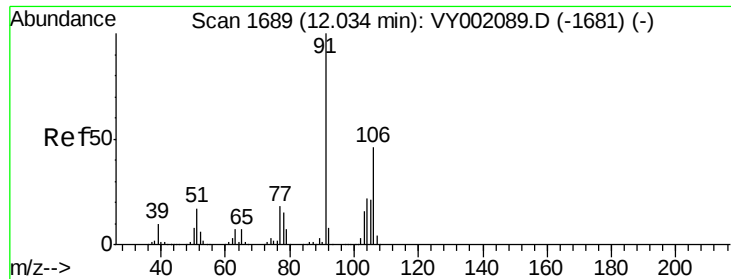
MMDadoda
4/6/2020 11:30:28 AM



#68
m/p-Xylenes
Concen: 42.398 ug/l
RT: 11.71 min Scan# 1636
Delta R.T. 0.00 min
Lab File: VY002211.D
Acq: 03 Apr 2020 11:53

Tgt Ion: 106 Resp: 139790
Ion Ratio Lower Upper
106 100
91 199.9 162.8 244.2





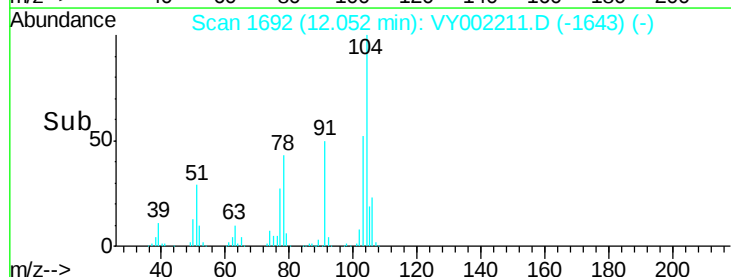
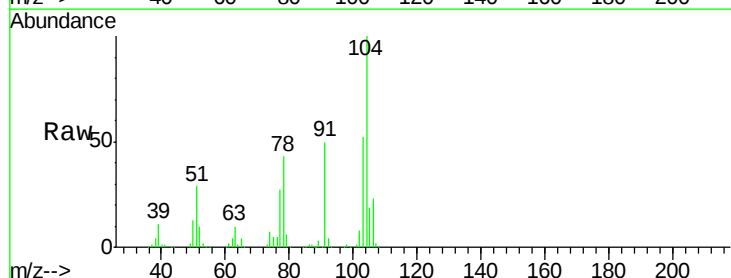
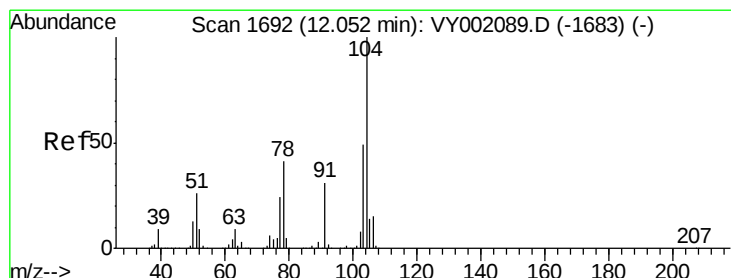
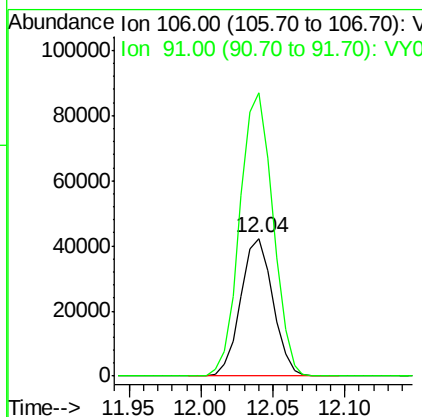
#69
o-Xylene
Concen: 21.002 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VY002211.D
Acq: 03 Apr 2020 11:53

Tot Ion:106 Resp: 65686
Ion Ratio Lower Upper
106 100
91 211.5 107.3 321.8

Instrument :
MSVOA_Y
ClientSampleId :
VY0403SBS01

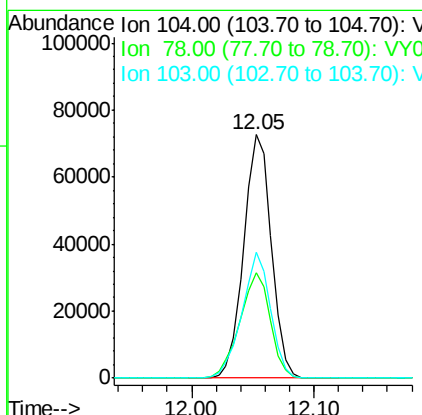
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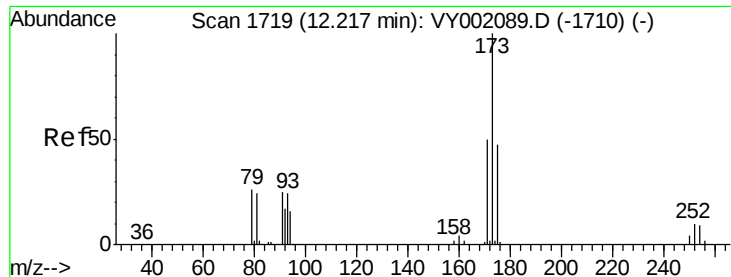
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#70
Styrene
Concen: 21.051 ug/l
RT: 12.05 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VY002211.D
Acq: 03 Apr 2020 11:53

Tgt Ion:104 Resp: 114086
Ion Ratio Lower Upper
104 100
78 47.3 37.9 56.9
103 53.5 43.2 64.8





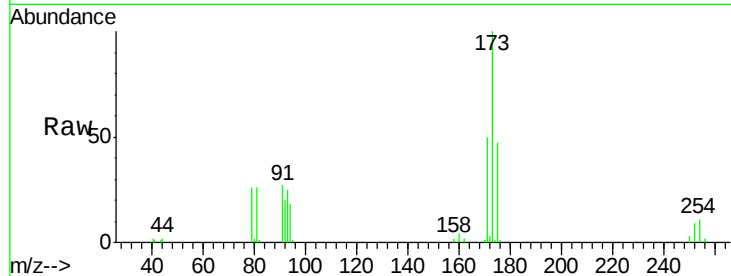
#71
Bromoform
Concen: 20.687 ug/l
RT: 12.22 min Scan# 1719
Delta R.T. 0.00 min
Lab File: VY002211.D
Acq: 03 Apr 2020 11:53

Instrument :
MSVOA_Y
ClientSampleId :
VY0403SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	23.9	71.8
254	0.0	0.0	0.0

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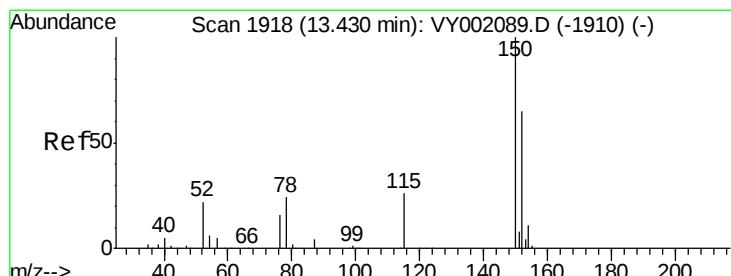
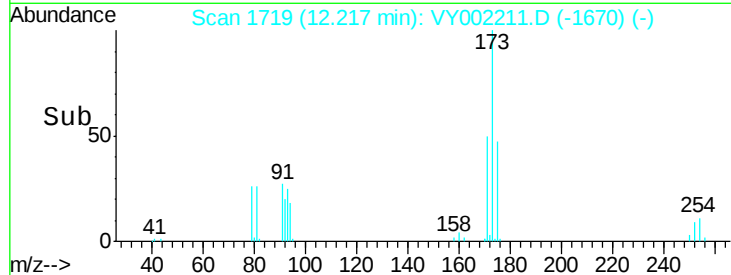
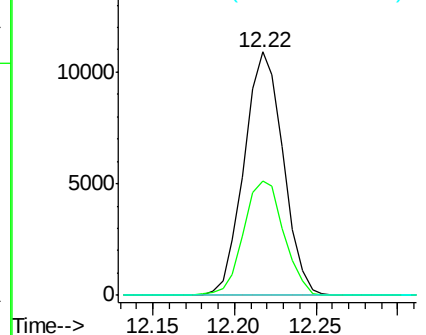


Abundance

Ion 172.70 (172.40 to 173.40): V

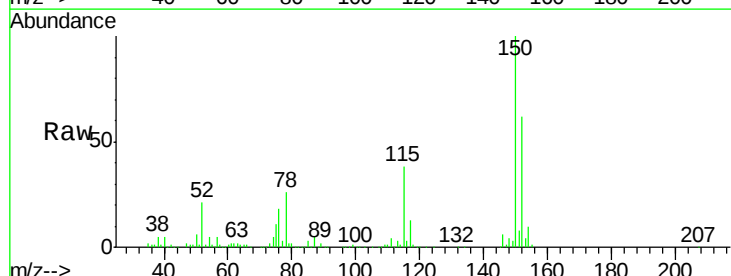
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1919
Delta R.T. 0.01 min
Lab File: VY002211.D
Acq: 03 Apr 2020 11:53

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.6	31.2	93.6
150	167.7	0.0	354.8

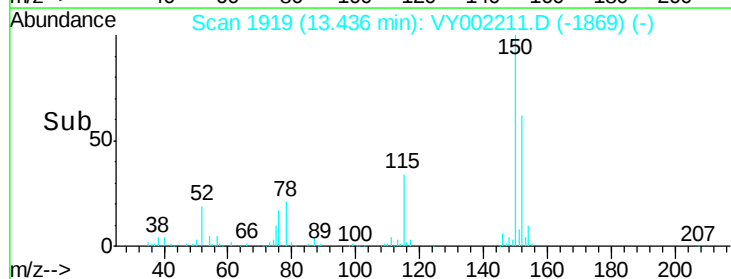
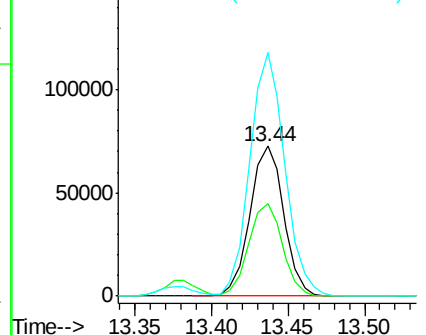


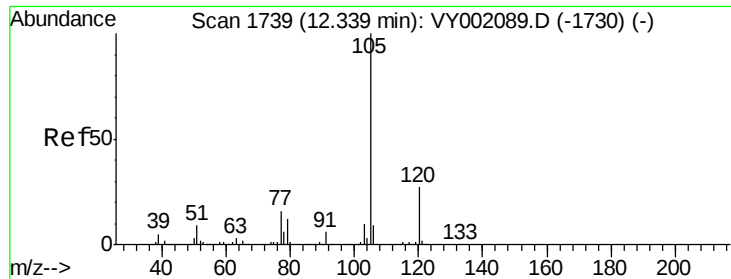
Abundance

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: 21.449 ug/l

RT: 12.34 min Scan# 1739

Delta R.T. 0.00 min

Lab File: VY002211.D

Acq: 03 Apr 2020 11:53

Instrument :

MSVOA_Y

ClientSampleId :

VY0403SBS01

Tot Ion: 105 Resp: 177474

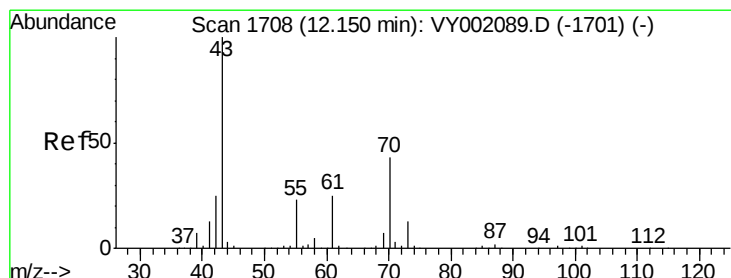
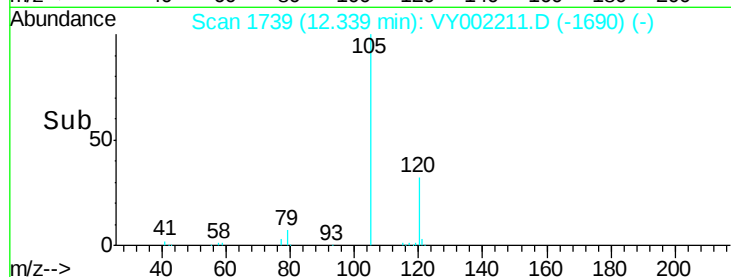
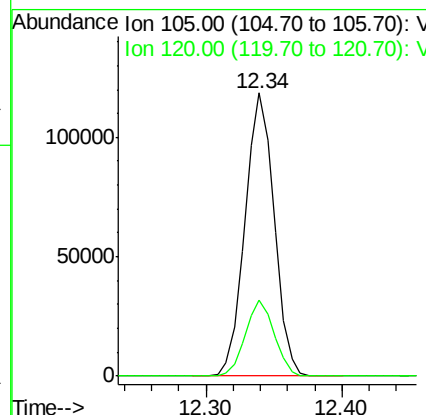
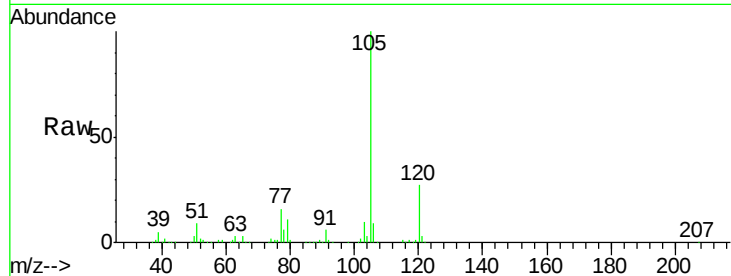
Ion Ratio Lower Upper

105 100

120 26.6 13.3 39.8

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#74

N-ethyl acetate

Concen: 20.080 ug/l

RT: 12.16 min Scan# 1709

Delta R.T. 0.01 min

Lab File: VY002211.D

Acq: 03 Apr 2020 11:53

Tgt Ion: 43 Resp: 52401

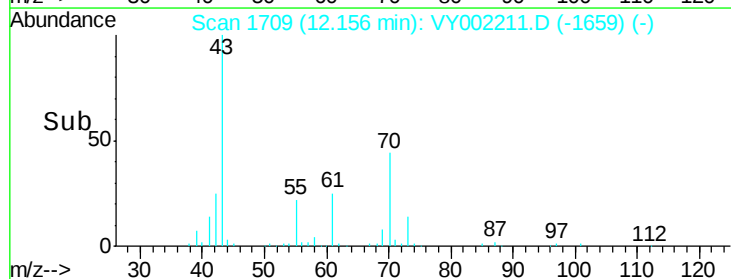
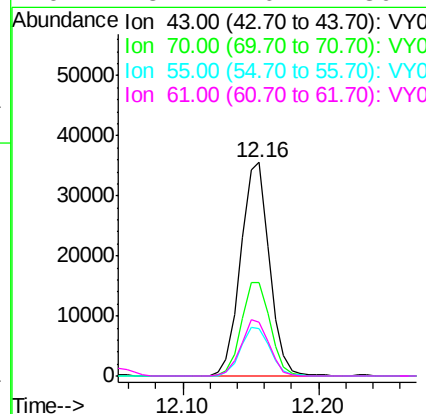
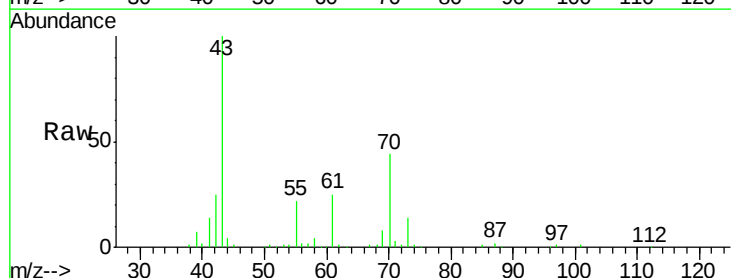
Ion Ratio Lower Upper

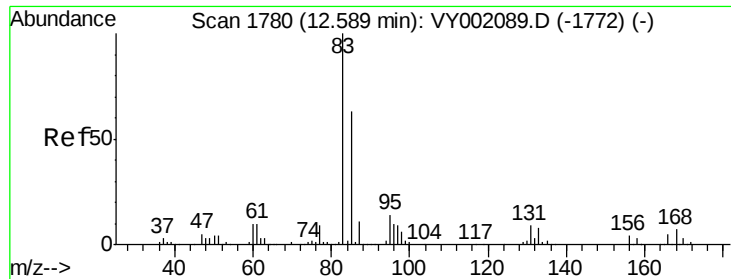
43 100

70 44.0 35.0 52.4

55 23.5 18.7 28.1

61 25.7 20.2 30.2





#75

1,1,2,2-Tetrachloroethane

Concen: 21.487 ug/l

RT: 12.59 min Scan# 1780

Delta R.T. 0.00 min

Lab File: VY002211.D

Acq: 03 Apr 2020 11:53

Instrument :

MSVOA_Y

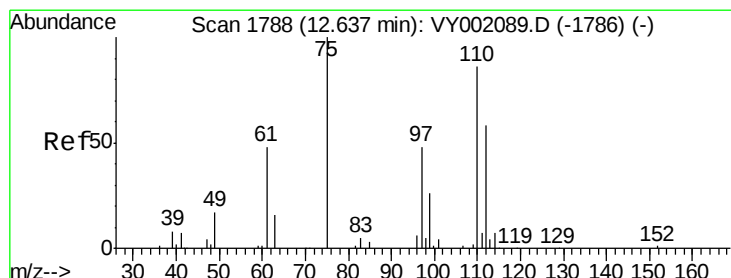
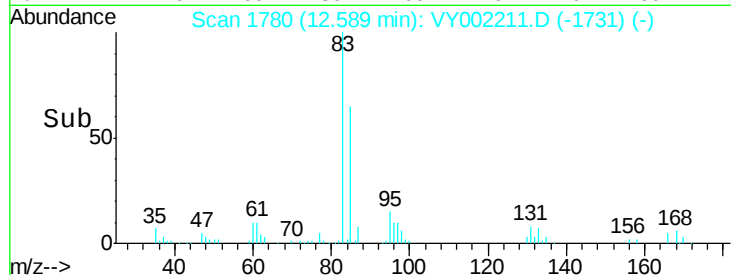
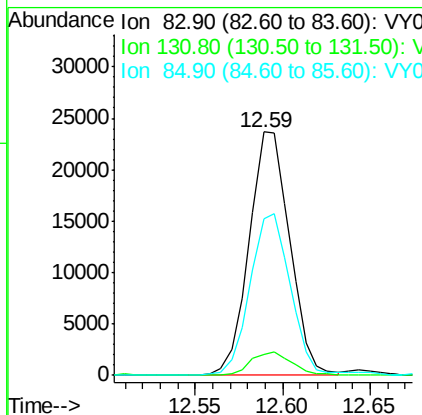
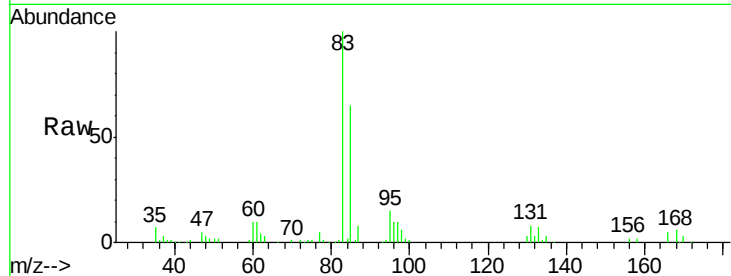
ClientSampleId :

VY0403SBS01

Tot Ion:	83	Resp:	38258
Ion Ratio	Lower	Upper	
83	100		
131	9.7	4.7	14.1
85	66.0	32.4	97.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.910 ug/l m

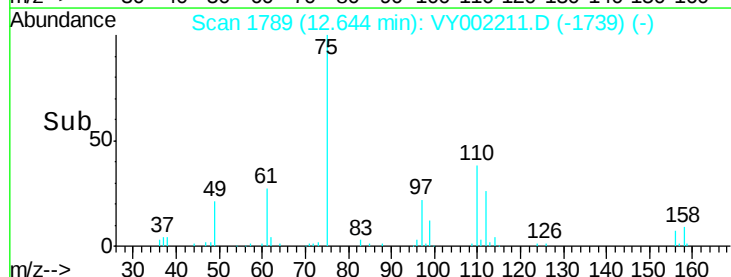
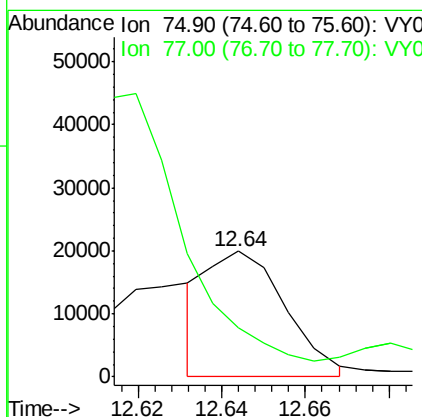
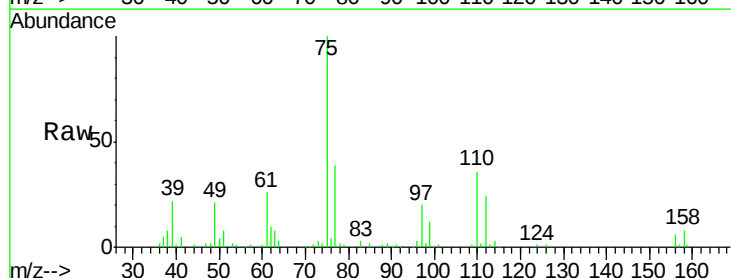
RT: 12.64 min Scan# 1789

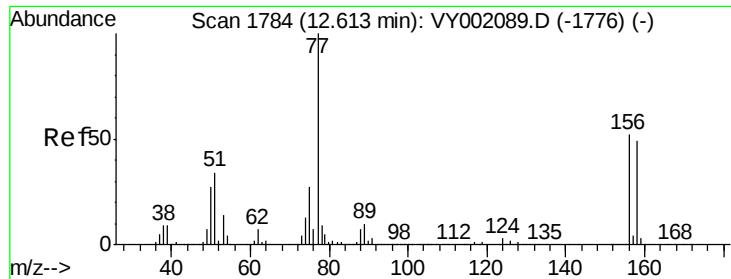
Delta R.T. 0.01 min

Lab File: VY002211.D

Acq: 03 Apr 2020 11:53

Tgt Ion:	75	Resp:	26089
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.390 ug/l

RT: 12.62 min Scan# 1785

Delta R.T. 0.01 min

Lab File: VY002211.D

Acq: 03 Apr 2020 11:53

Instrument :

MSVOA_Y

ClientSampleId :

VY0403SBS01

Tot Ion:156 Resp: 37782

Ion Ratio Lower Upper

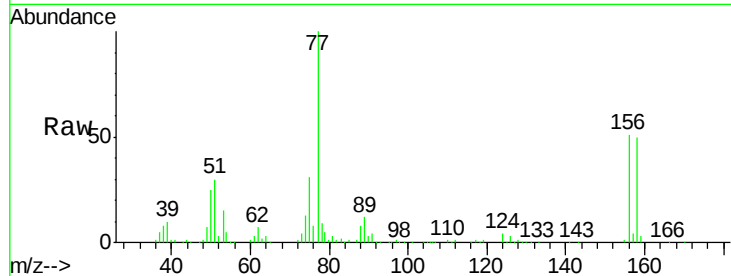
156 100

77 215.8 107.8 323.6

158 96.5 47.5 142.6

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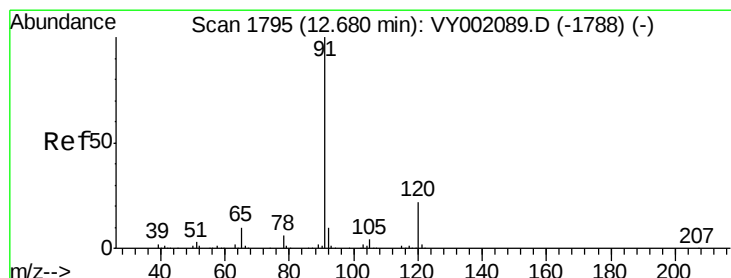
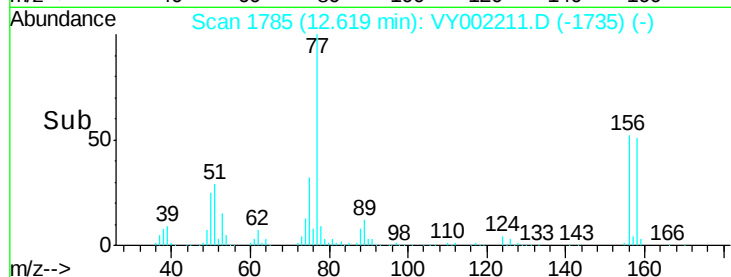
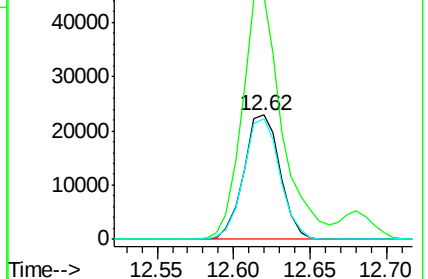
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.380 ug/l

RT: 12.68 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VY002211.D

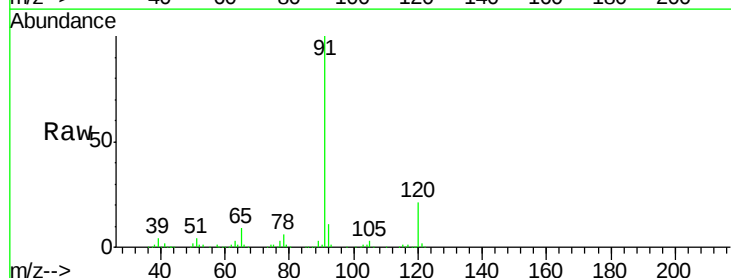
Acq: 03 Apr 2020 11:53

Tgt Ion: 91 Resp: 219534

Ion Ratio Lower Upper

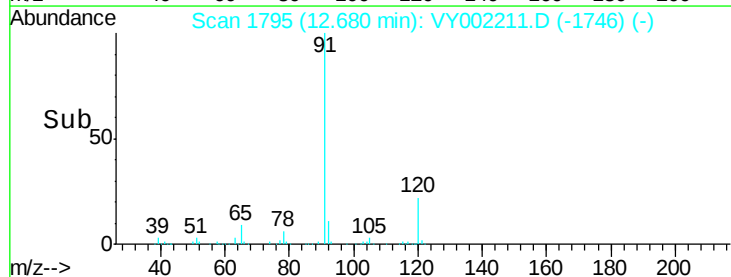
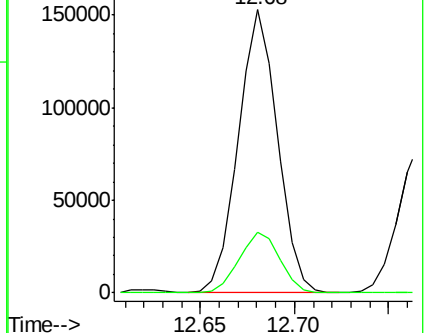
91 100

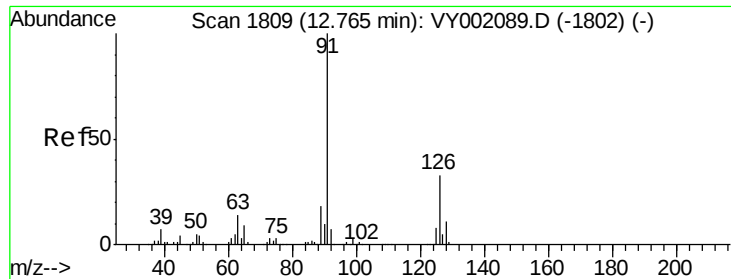
120 22.3 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.252 ug/l

RT: 12.77 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VY002211.D

Acq: 03 Apr 2020 11:53

Instrument :

MSVOA_Y

ClientSampleId :

VY0403SBS01

Tot Ion: 91 Resp: 119817

Ion Ratio Lower Upper

91 100

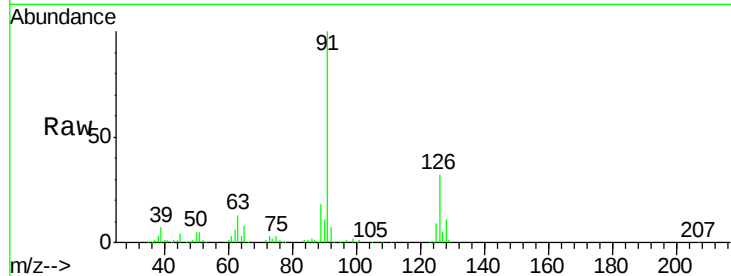
126 33.3 16.4 49.1

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VY002089.D (-1802) (-)

Ion 125.90 (125.60 to 126.60): VY002089.D (-1802) (-)

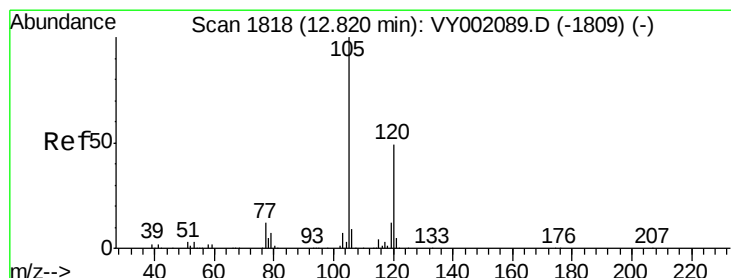
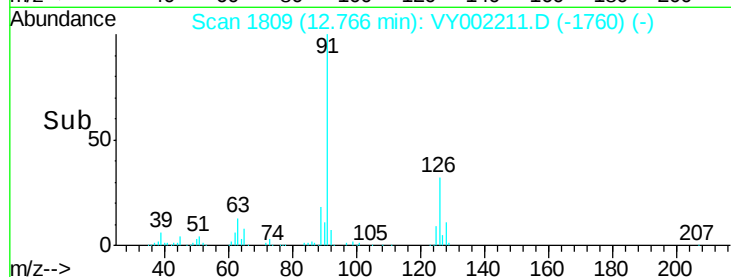
100000

50000

0

12.70 12.75 12.80

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.506 ug/l

RT: 12.82 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VY002211.D

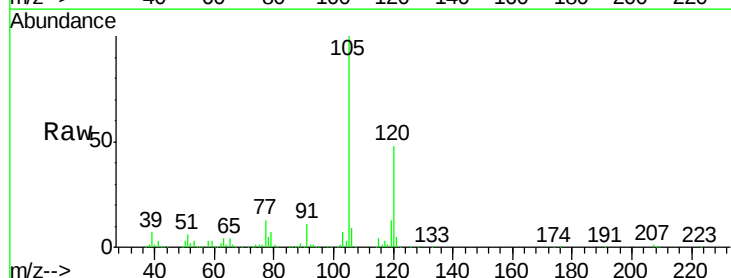
Acq: 03 Apr 2020 11:53

Tgt Ion: 105 Resp: 146812

Ion Ratio Lower Upper

105 100

120 49.2 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VY002089.D (-1809) (-)

Ion 120.00 (119.70 to 120.70): VY002089.D (-1809) (-)

100000

80000

60000

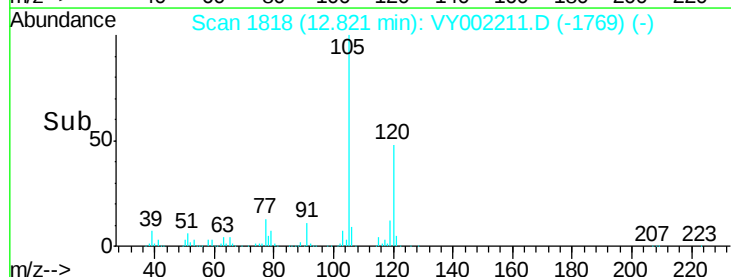
40000

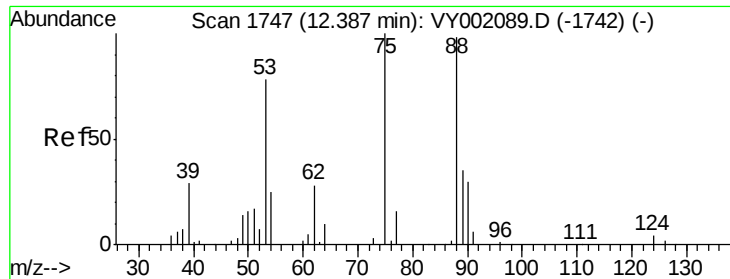
20000

0

12.75 12.80 12.85 12.90

Time-->





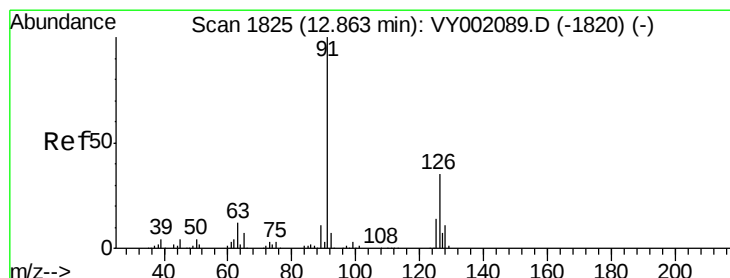
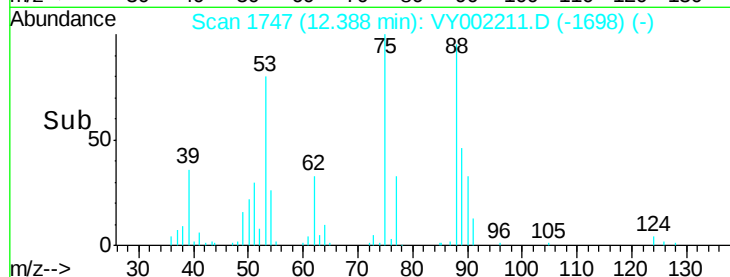
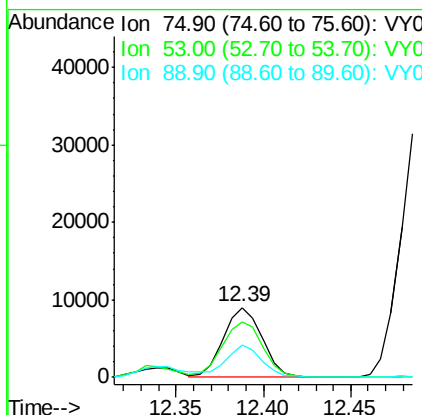
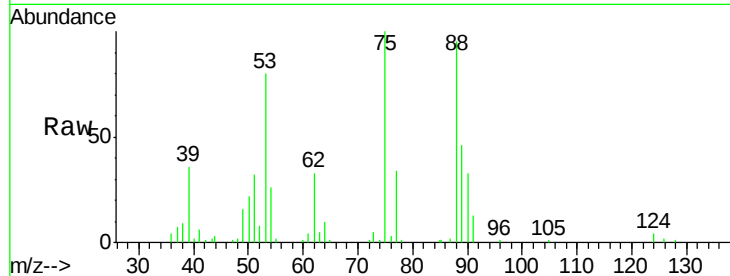
#81
trans-1,4-Dichloro-2-butene
Concen: 21.465 ug/l
RT: 12.39 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VY002211.D
Acq: 03 Apr 2020 11:53

Instrument :
MSVOA_Y
ClientSampleId :
VY0403SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	83.0	65.0	97.4
89	42.9	33.4	50.0

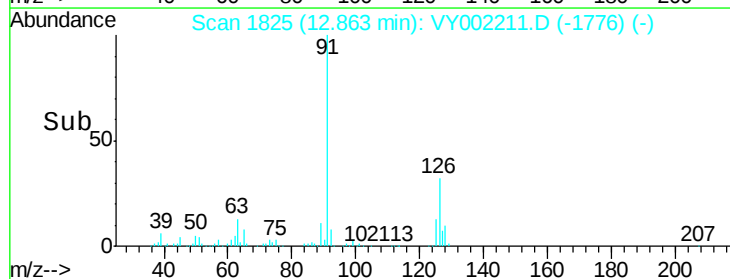
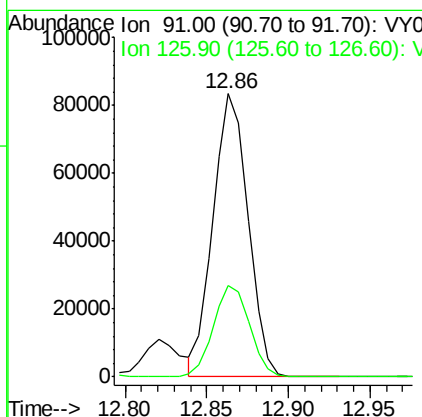
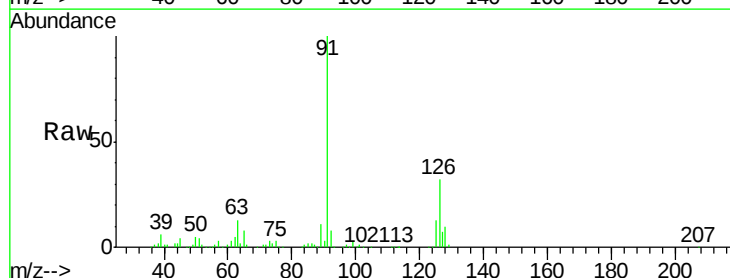
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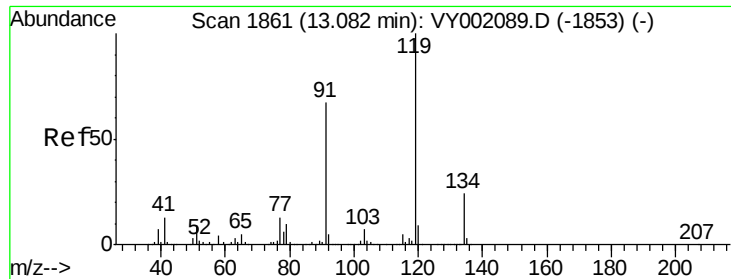
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#82
4-Chlorotoluene
Concen: 21.109 ug/l
RT: 12.86 min Scan# 1825
Delta R.T. 0.00 min
Lab File: VY002211.D
Acq: 03 Apr 2020 11:53

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.4	16.3	48.9





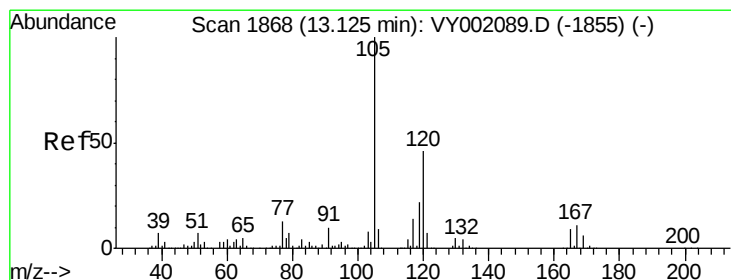
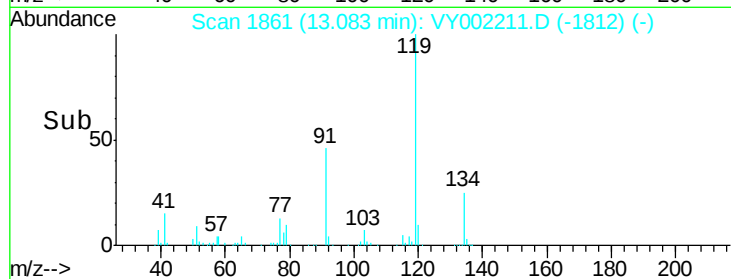
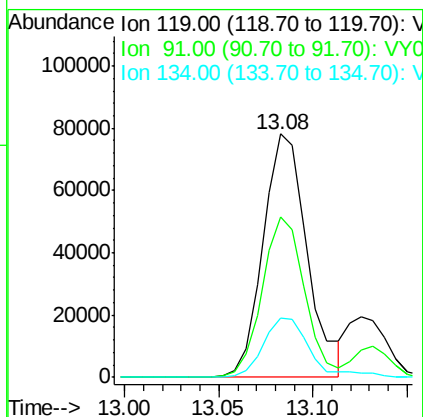
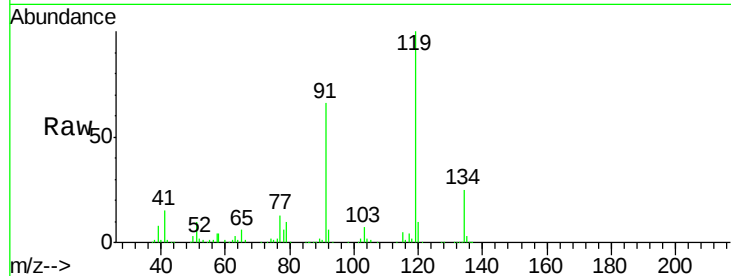
#83
tert-Butylbenzene
Concen: 22.345 ug/l
RT: 13.08 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VY002211.D
Acq: 03 Apr 2020 11:53

Instrument :
MSVOA_Y
ClientSampleId :
VY0403SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	127328		
91	63.0	32.9	98.6	
134	25.6	13.0	38.9	

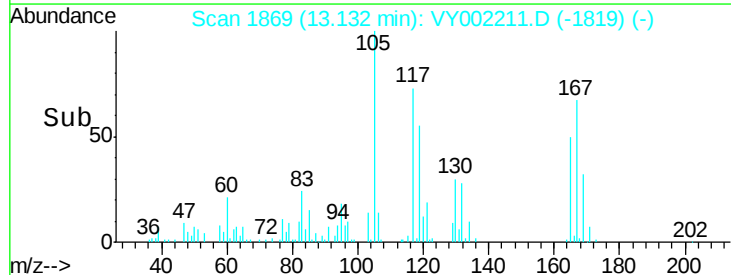
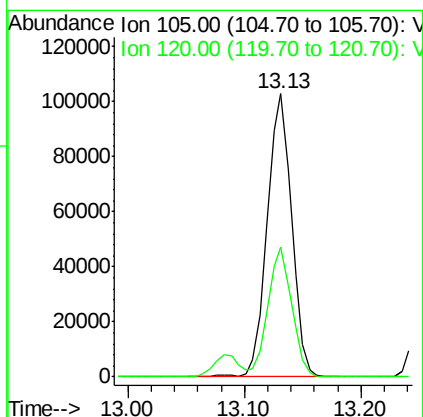
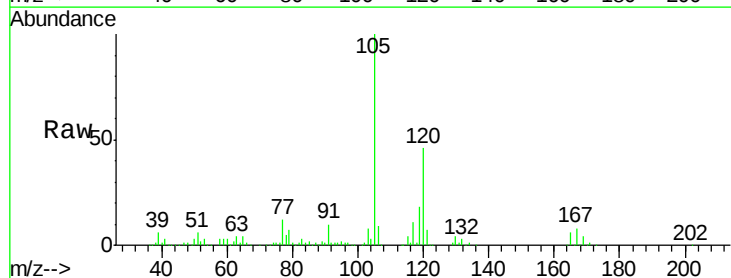
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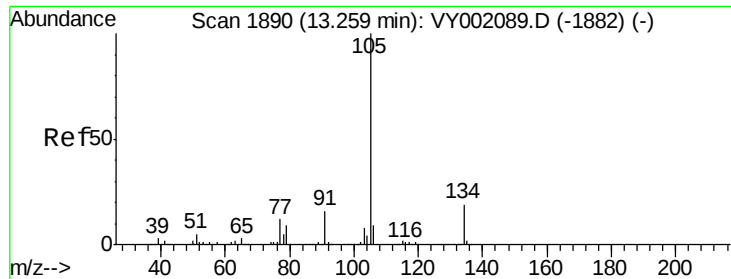
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 21.826 ug/l
RT: 13.13 min Scan# 1869
Delta R.T. 0.01 min
Lab File: VY002211.D
Acq: 03 Apr 2020 11:53

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	148655		
120	44.8	22.9	68.5	





#85

sec-Butylbenzene

Concen: 21.695 ug/l

RT: 13.27 min Scan# 1891

Delta R.T. 0.01 min

Lab File: VY002211.D

Acq: 03 Apr 2020 11:53

Instrument :

MSVOA_Y

ClientSampleId :

VY0403SBS01

Tot Ion:105 Resp: 183109

Ion Ratio Lower Upper

105 100

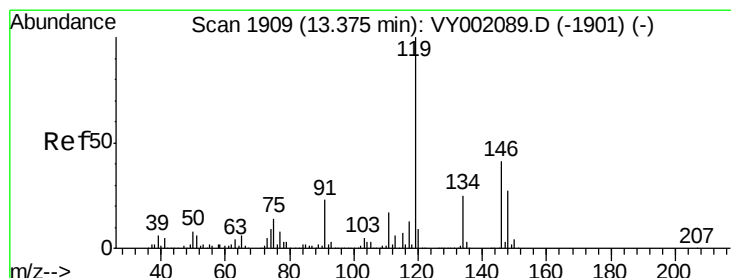
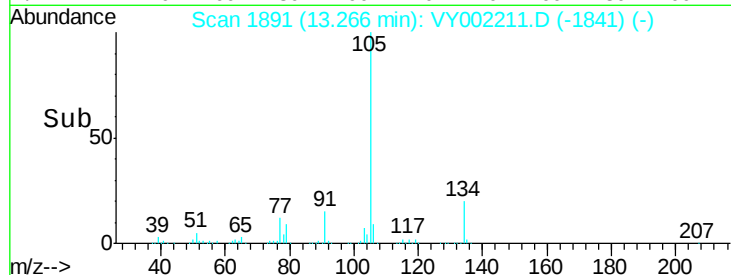
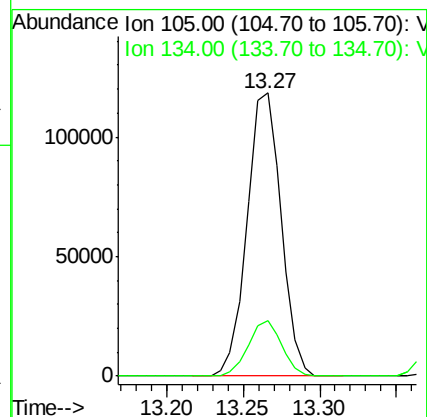
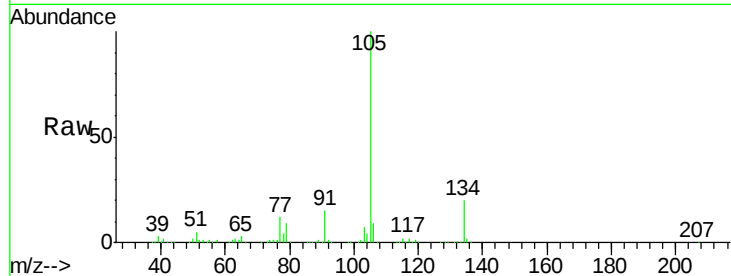
134 19.4 9.7 29.1

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 21.829 ug/l

RT: 13.38 min Scan# 1910

Delta R.T. 0.01 min

Lab File: VY002211.D

Acq: 03 Apr 2020 11:53

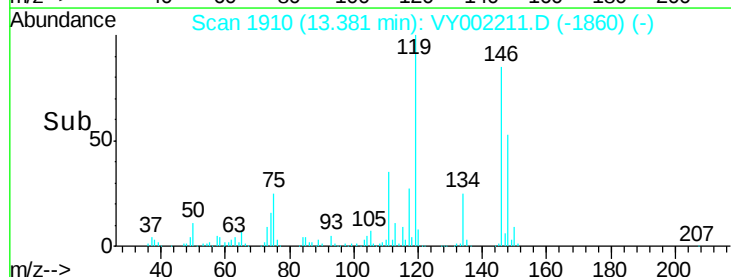
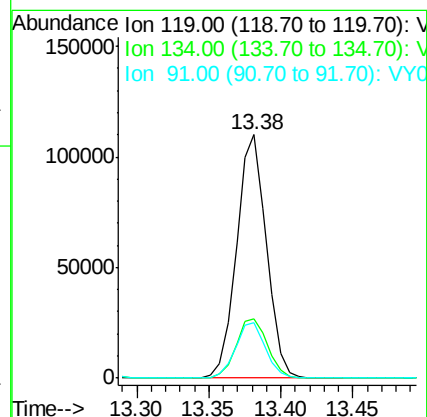
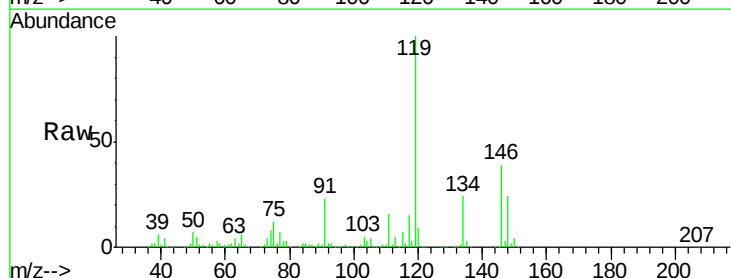
Tgt Ion:119 Resp: 158212

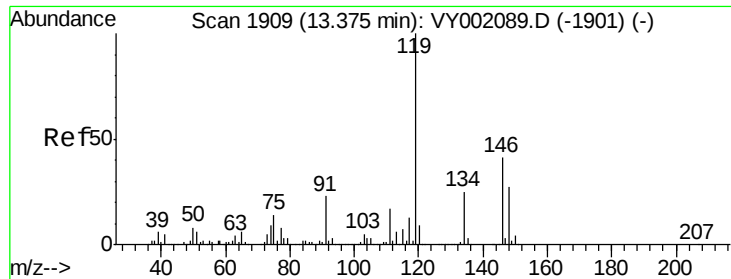
Ion Ratio Lower Upper

119 100

134 25.8 13.1 39.3

91 23.1 11.8 35.3





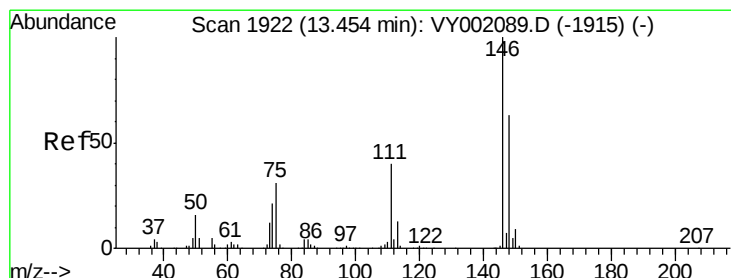
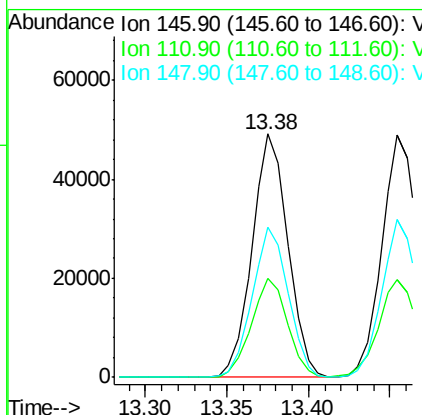
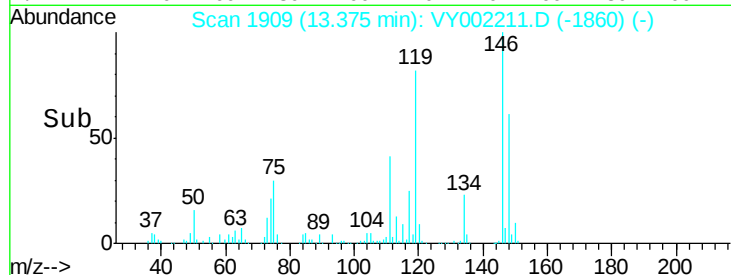
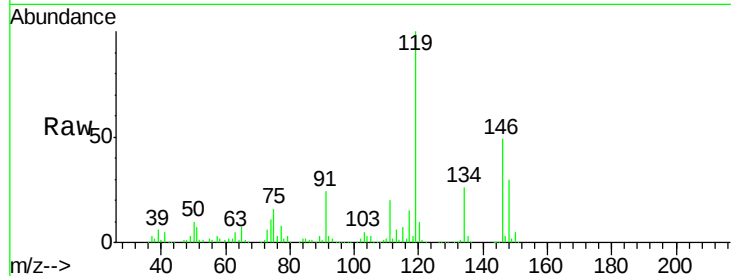
#87
 1,3-Dichlorobenzene
 Concen: 21.610 ug/l
 RT: 13.38 min Scan# 1909
 Delta R.T. 0.00 min
 Lab File: VY002211.D
 Acq: 03 Apr 2020 11:53

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0403SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.9	62.8
148	62.0	32.1	96.5

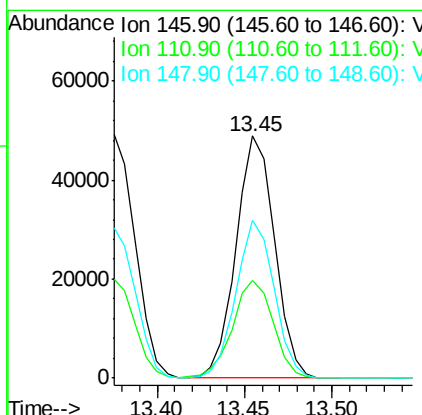
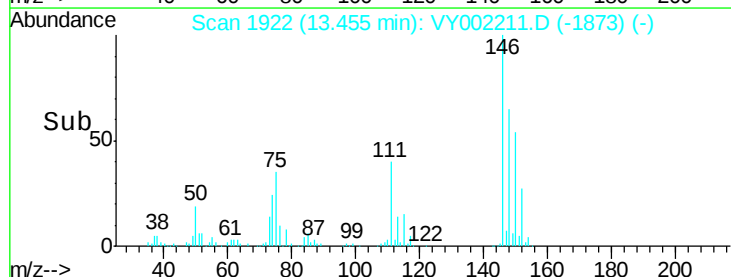
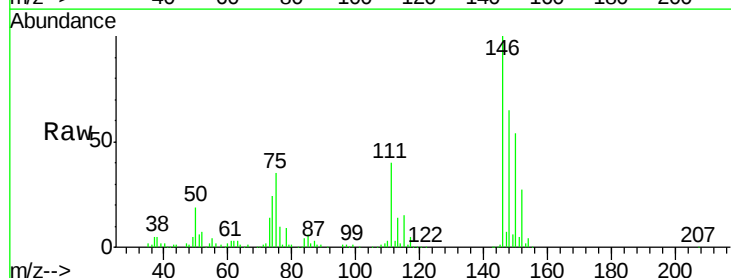
Manual Integrations
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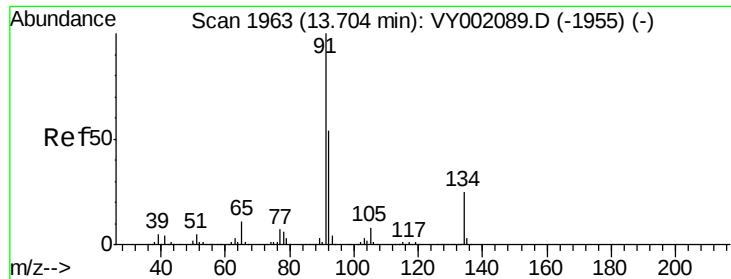
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#88
 1,4-Dichlorobenzene
 Concen: 21.613 ug/l
 RT: 13.45 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VY002211.D
 Acq: 03 Apr 2020 11:53

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.3	20.3	60.9
148	64.7	31.5	94.5





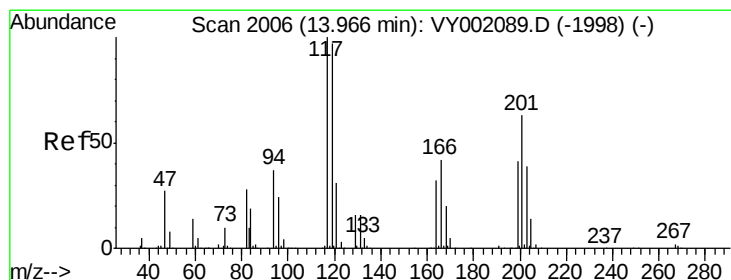
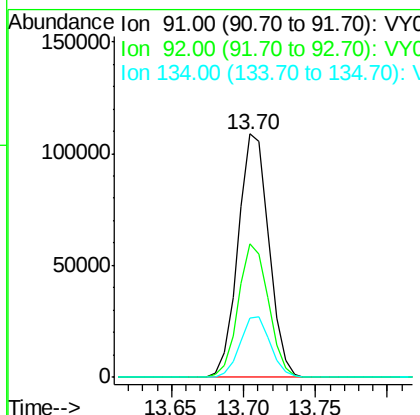
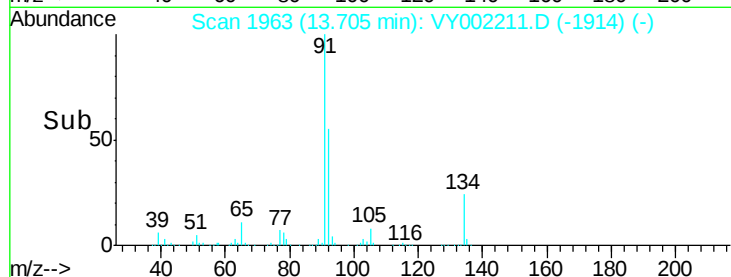
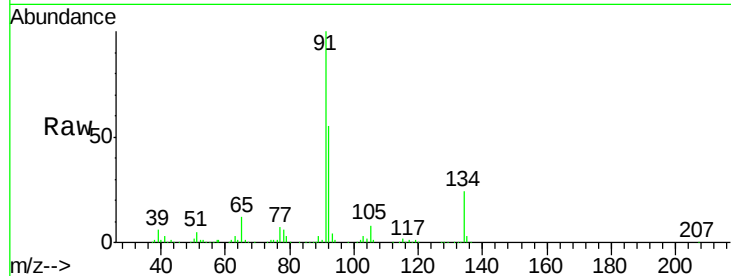
#89
n-Butylbenzene
Concen: 21.343 ug/l
RT: 13.70 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VY002211.D
Acq: 03 Apr 2020 11:53

Instrument :
MSVOA_Y
ClientSampleId :
VY0403SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	161175		
92	54.0	27.0	81.0	
134	24.6	12.3	36.8	

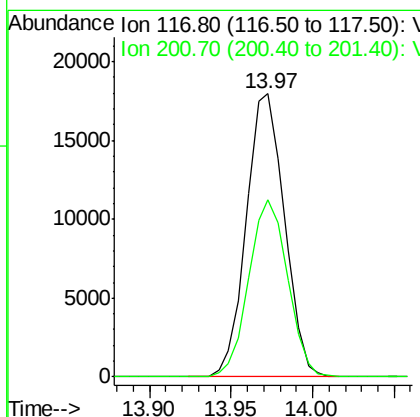
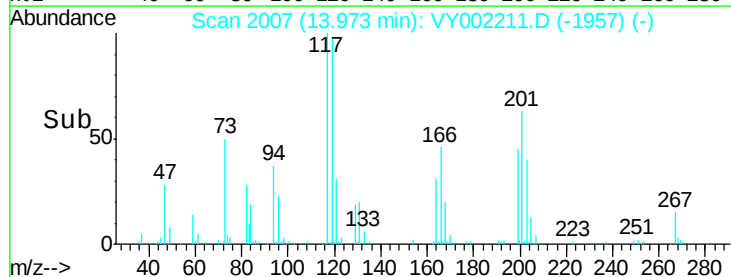
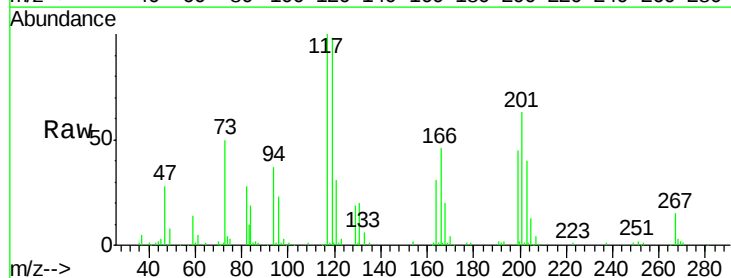
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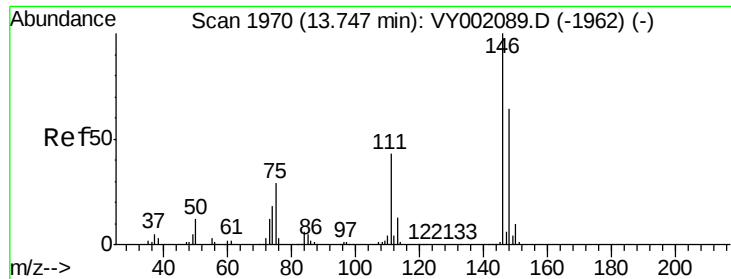
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#90
Hexachloroethane
Concen: 21.414 ug/l
RT: 13.97 min Scan# 2007
Delta R.T. 0.01 min
Lab File: VY002211.D
Acq: 03 Apr 2020 11:53

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	29245		
201	63.5	31.6	94.8	





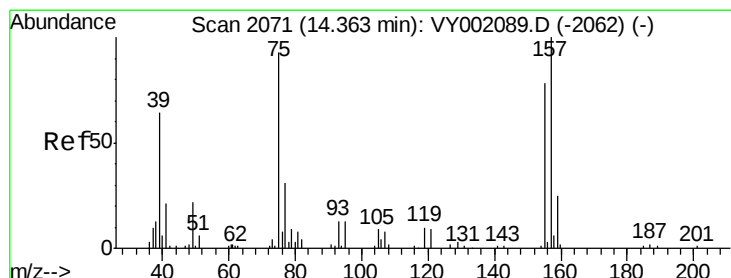
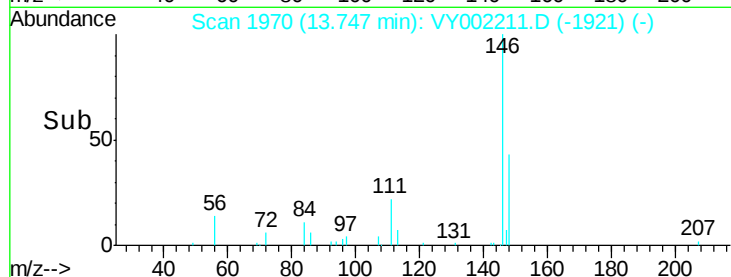
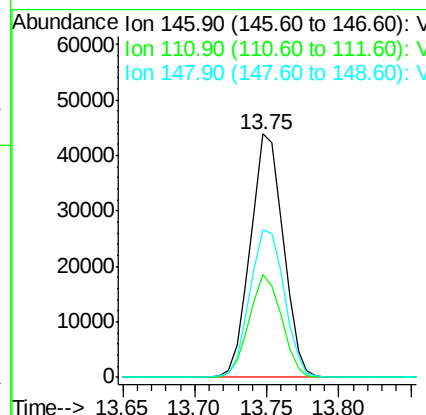
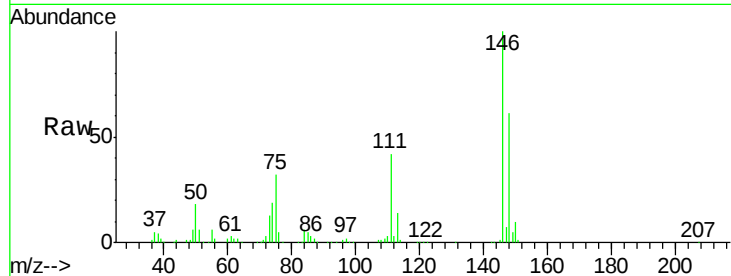
#91
 1,2-Dichlorobenzene
 Concen: 21.637 ug/l
 RT: 13.75 min Scan# 1970
 Delta R.T. 0.00 min
 Lab File: VY002211.D
 Acq: 03 Apr 2020 11:53

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0403SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	21.3	63.7
148	64.0	31.8	95.4

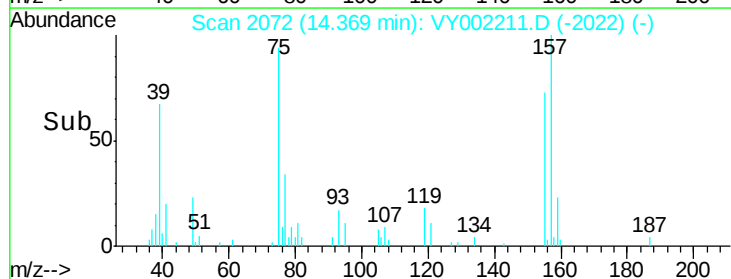
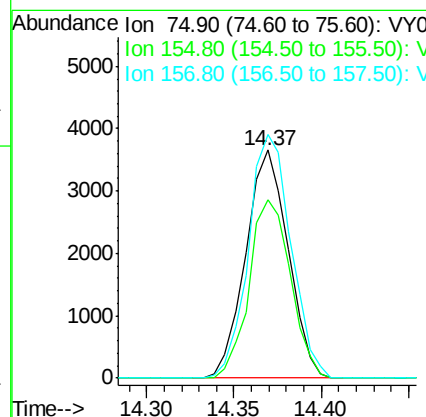
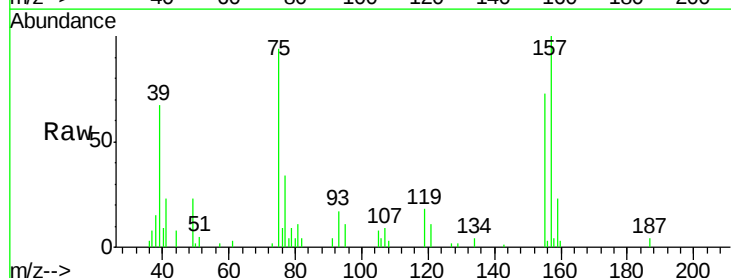
Manual Integrations
 APPROVED

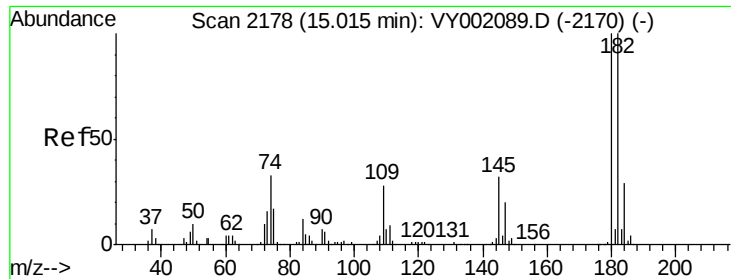
MMDadoda
 4/6/2020 11:30:28 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.528 ug/l
 RT: 14.37 min Scan# 2072
 Delta R.T. 0.01 min
 Lab File: VY002211.D
 Acq: 03 Apr 2020 11:53

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.4	41.6	124.9
157	107.3	53.4	160.3





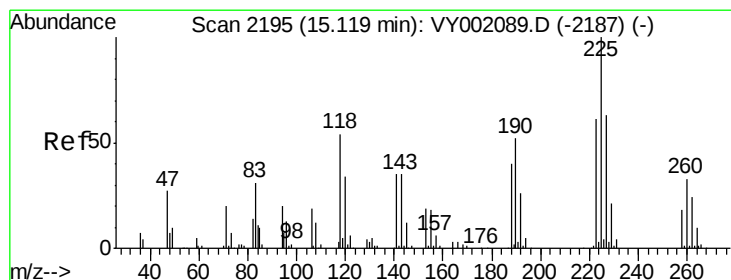
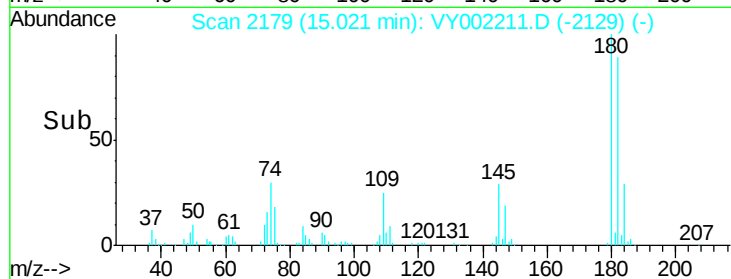
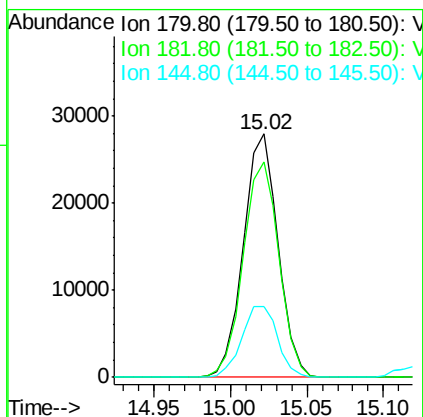
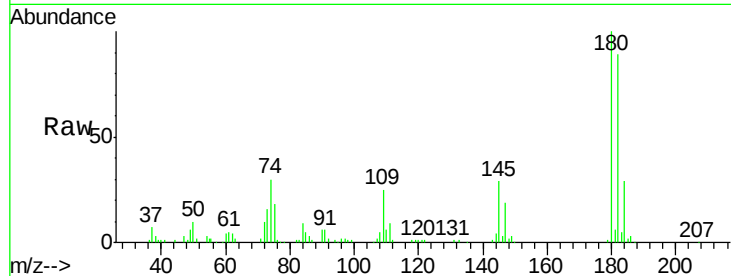
#93
1,2,4-Trichlorobenzene
Concen: 21.383 ug/l
RT: 15.02 min Scan# 2179
Delta R.T. 0.01 min
Lab File: VY002211.D
Acq: 03 Apr 2020 11:53

Instrument :
MSVOA_Y
ClientSampleId :
VY0403SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	91.5	48.1	144.3
145	30.3	15.9	47.6

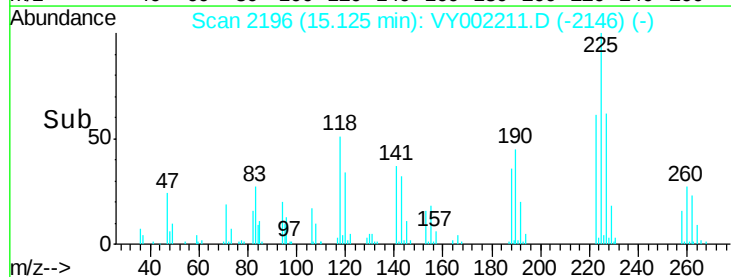
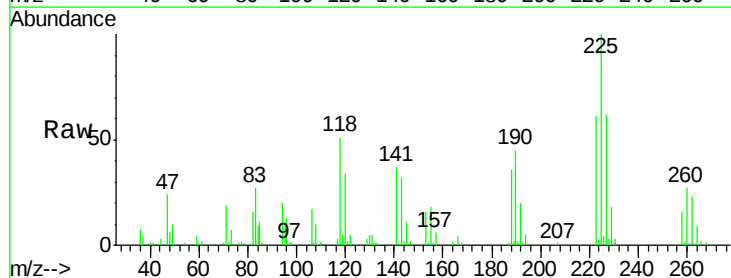
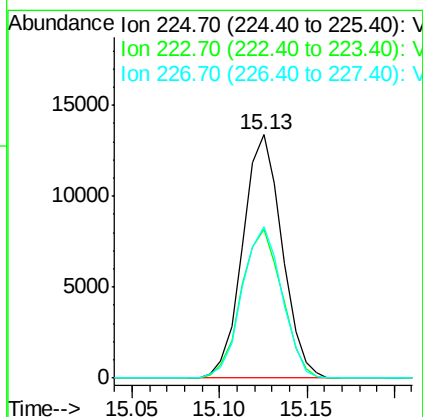
Manual Integrations
APPROVED

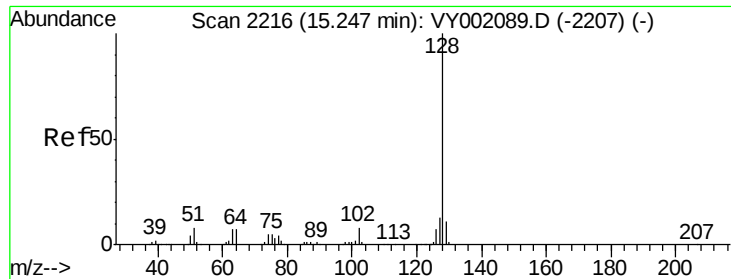
MMDadoda
4/6/2020 11:30:28 AM



#94
Hexachlorobutadiene
Concen: 20.596 ug/l
RT: 15.13 min Scan# 2196
Delta R.T. 0.01 min
Lab File: VY002211.D
Acq: 03 Apr 2020 11:53

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	31.1	93.3
227	63.3	31.6	94.7





#95

Naphthalene

Concen: 20.989 ug/l

RT: 15.25 min Scan# 2216

Delta R.T. 0.00 min

Lab File: VY002211.D

Acq: 03 Apr 2020 11:53

Instrument :

MSVOA_Y

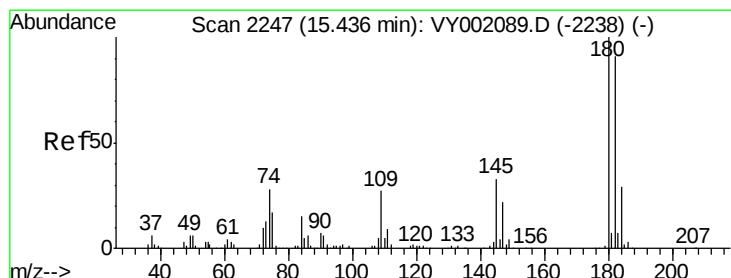
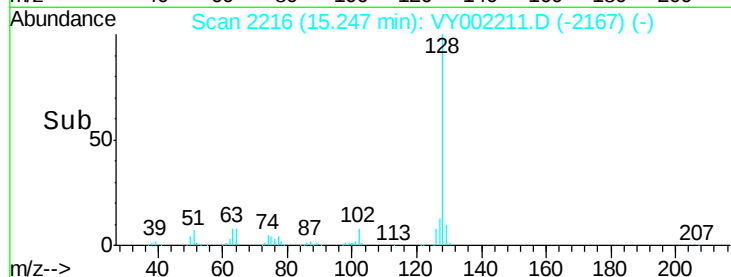
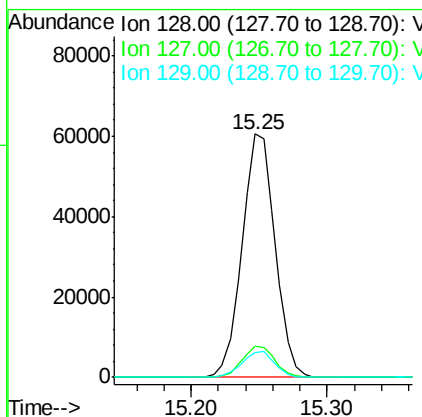
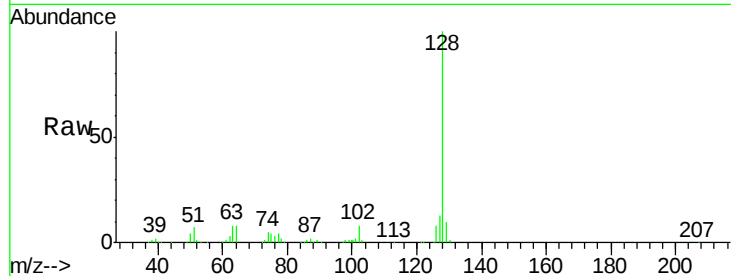
ClientSampleId :

VY0403SBS01

Tot Ion:	128	Resp:	102532
Ion Ratio	Lower	Upper	
128	100		
127	12.7	9.8	14.8
129	10.6	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
4/6/2020 11:30:28 AM



#96

1,2,3-Trichlorobenzene

Concen: 20.895 ug/l

RT: 15.44 min Scan# 2247

Delta R.T. 0.00 min

Lab File: VY002211.D

Acq: 03 Apr 2020 11:53

Tgt Ion:	180	Resp:	38971
Ion Ratio	Lower	Upper	
180	100		
182	94.7	46.8	140.3
145	34.5	16.7	50.1

