

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY031820\
 Data File : VY002005.D
 Acq On : 18 Mar 2020 11:47
 Operator : SY/MD
 Sample : VY0318SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0318SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/19/2020 11:59:36 AM

Quant Time: Mar 19 04:12:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 04:05:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	152353	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	277172	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	250051	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	119458	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	85067	52.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.60%	
35) Dibromofluoromethane	7.75	113	79335	52.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.84%	
50) Toluene-d8	10.19	98	322952	50.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.20%	
62) 4-Bromofluorobenzene	12.49	95	113290	51.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	27487	19.545	ug/l	97
3) Chloromethane	2.13	50	37876	19.976	ug/l	98
4) Vinyl Chloride	2.27	62	39596	20.531	ug/l	99
5) Bromomethane	2.66	94	26470	19.985	ug/l	98
6) Chloroethane	2.81	64	25634	21.159	ug/l	96
7) Trichlorofluoromethane	3.15	101	54102	20.685	ug/l	93
8) Diethyl Ether	3.55	74	22770	22.088	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.93	101	36046	21.427	ug/l	100
10) Methyl Iodide	4.12	142	39618	20.364	ug/l	98
11) Tert butyl alcohol	4.99	59	29025	163.688	ug/l #	80
12) 1,1-Dichloroethene	3.90	96	35855	21.167	ug/l	98
13) Acrolein	3.75	56	19012	83.183	ug/l	97
14) Allyl chloride	4.52	41	64899	21.612	ug/l	99
15) Acrylonitrile	5.21	53	60711	110.211	ug/l	100
16) Acetone	3.97	43	49020	103.478	ug/l	97
17) Carbon Disulfide	4.22	76	110228	19.358	ug/l	98
18) Methyl Acetate	4.52	43	27171	22.322	ug/l	97
19) Methyl tert-butyl Ether	5.25	73	102788	22.392	ug/l	98
20) Methylene Chloride	4.75	84	45128	22.227	ug/l	93
21) trans-1,2-Dichloroethene	5.25	96	40238	20.929	ug/l	97
22) Diisopropyl ether	6.15	45	136578	22.188	ug/l	99
23) Vinyl Acetate	6.10	43	439251	108.851	ug/l	99
24) 1,1-Dichloroethane	6.05	63	71249	21.374	ug/l	99
25) 2-Butanone	7.02	43	80328	111.504	ug/l	99
26) 2,2-Dichloropropane	7.02	77	60609	22.153	ug/l	100
27) cis-1,2-Dichloroethene	7.02	96	45568	21.789	ug/l	98
28) Bromochloromethane	7.36	49	32734	21.786	ug/l	99
29) Tetrahydrofuran	7.38	42	52720	110.201	ug/l	99
30) Chloroform	7.53	83	67008	21.396	ug/l	97
31) Cyclohexane	7.81	56	72827	20.376	ug/l	95
32) 1,1,1-Trichloroethane	7.73	97	57702	21.860	ug/l	99
36) 1,1-Dichloropropene	7.94	75	56471	21.172	ug/l	99
37) Ethyl Acetate	7.11	43	34381	22.178	ug/l	99
38) Carbon Tetrachloride	7.92	117	48867	21.447	ug/l	98

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 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 04:05:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	73283	20.715	ug/l	99
40) Benzene	8.18	78	169599	21.453	ug/l	98
41) Methacrylonitrile	7.35	41	14901m	21.359	ug/l	
42) 1,2-Dichloroethane	8.26	62	44656	21.921	ug/l	99
43) Isopropyl Acetate	8.30	43	64477	21.969	ug/l	98
44) Trichloroethene	8.96	130	40799	21.190	ug/l	100
45) 1,2-Dichloropropane	9.24	63	43702	21.990	ug/l	95
46) Dibromomethane	9.32	93	22031	21.512	ug/l	99
47) Bromodichloromethane	9.52	83	51957	21.809	ug/l	99
48) Methyl methacrylate	9.31	41	27716	21.282	ug/l	94
49) 1,4-Dioxane	9.31	88	5945	423.640	ug/l #	82
51) 4-Methyl-2-Pentanone	10.08	43	174220	115.246	ug/l	99
52) Toluene	10.25	92	104262	21.710	ug/l	98
53) t-1,3-Dichloropropene	10.48	75	58407	22.503	ug/l	96
54) cis-1,3-Dichloropropene	9.94	75	67847	21.958	ug/l	99
55) 1,1,2-Trichloroethane	10.66	97	32996	22.015	ug/l	98
56) Ethyl methacrylate	10.52	69	47846	21.779	ug/l	94
57) 1,3-Dichloropropane	10.80	76	59140	22.136	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.80	63	124961	149.834	ug/l	100
59) 2-Hexanone	10.85	43	118285	109.625	ug/l	100
60) Dibromochloromethane	11.00	129	34419	21.793	ug/l	97
61) 1,2-Dibromoethane	11.10	107	30755	21.662	ug/l	100
64) Tetrachloroethene	10.73	164	34302	21.875	ug/l	96
65) Chlorobenzene	11.53	112	106993	21.474	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	35934	21.993	ug/l	99
67) Ethyl Benzene	11.60	91	197885	21.296	ug/l	99
68) m/p-Xylenes	11.71	106	148500	43.227	ug/l	100
69) o-Xylene	12.04	106	70263	21.700	ug/l	100
70) Styrene	12.05	104	121013	21.821	ug/l	100
71) Bromoform	12.22	173	19551	22.065	ug/l #	99
73) Isopropylbenzene	12.34	105	189835	20.817	ug/l	99
74) N-amyl acetate	12.15	43	58746	20.961	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.59	83	42426	21.574	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	32181m	22.703	ug/l	
77) Bromobenzene	12.62	156	40538	20.982	ug/l	99
78) n-propylbenzene	12.68	91	235462	20.929	ug/l	99
79) 2-Chlorotoluene	12.77	91	129169	20.781	ug/l	98
80) 1,3,5-Trimethylbenzene	12.82	105	156871	20.896	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	14573	20.767	ug/l	97
82) 4-Chlorotoluene	12.86	91	136214	21.048	ug/l	100
83) tert-Butylbenzene	13.08	119	131961	21.163	ug/l	100
84) 1,2,4-Trimethylbenzene	13.13	105	158539	21.280	ug/l	99
85) sec-Butylbenzene	13.26	105	198536	21.602	ug/l	100
86) p-Isopropyltoluene	13.38	119	171068	21.577	ug/l	100
87) 1,3-Dichlorobenzene	13.38	146	80861	21.358	ug/l	100
88) 1,4-Dichlorobenzene	13.45	146	81765	21.288	ug/l	99
89) n-Butylbenzene	13.70	91	174303	21.190	ug/l	98
90) Hexachloroethane	13.97	117	32530	21.749	ug/l	97
91) 1,2-Dichlorobenzene	13.75	146	73875	21.478	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.37	75	6558	21.371	ug/l	98

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ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0318SBSD01

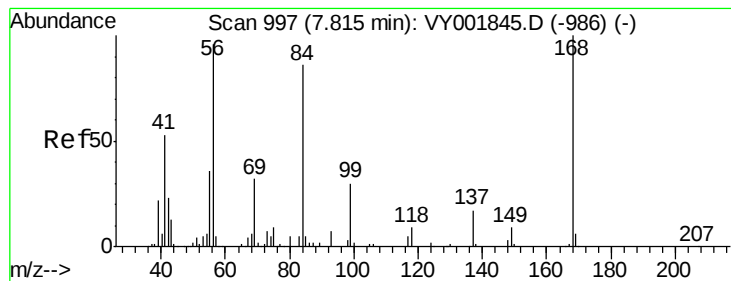
Manual Integrations
APPROVED

MMDadoda
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	48705	21.835	ug/l	99
94) Hexachlorobutadiene	15.12	225	23352	21.473	ug/l	99
95) Naphthalene	15.25	128	111947	21.158	ug/l	100
96) 1,2,3-Trichlorobenzene	15.44	180	42727	21.744	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.00 min

Lab File: VY002005.D

Acq: 18 Mar 2020 11:47

Instrument :

MSVOA_Y

ClientSampleId :

VY0318SBS01

Tot Ion:168 Resp: 152353

Ion Ratio Lower Upper

168 100

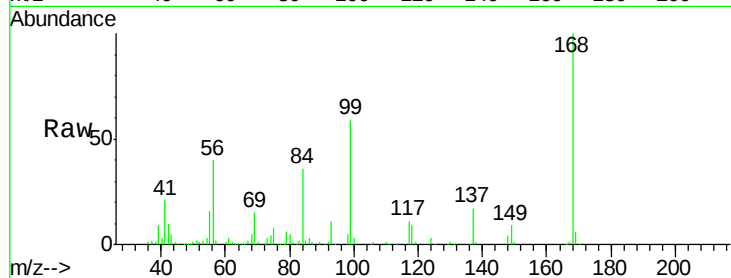
99 59.0 46.7 70.1

Manual Integrations

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3/19/2020 11:59:36 AM



Abundance Ion 167.90 (167.60 to 168.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

7.82

60000

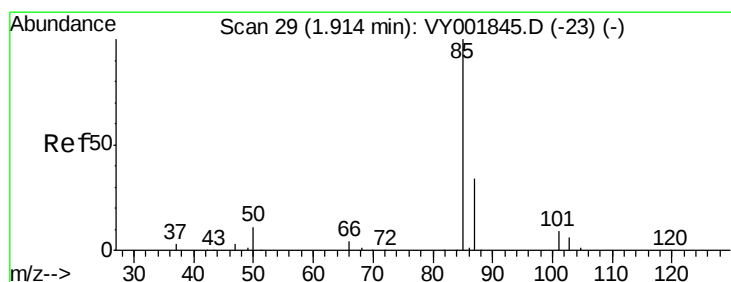
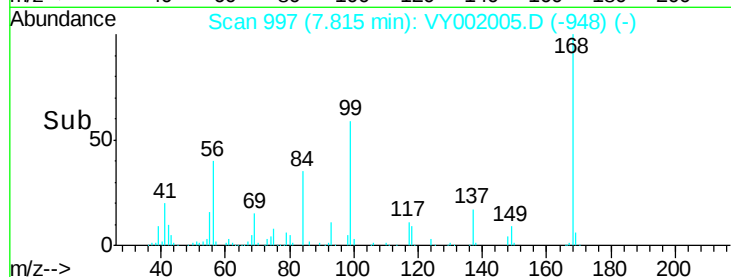
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 19.545 ug/l

RT: 1.91 min Scan# 29

Delta R.T. 0.00 min

Lab File: VY002005.D

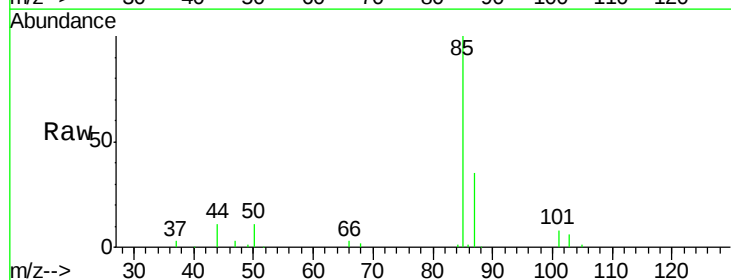
Acq: 18 Mar 2020 11:47

Tgt Ion: 85 Resp: 27487

Ion Ratio Lower Upper

85 100

87 35.3 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VY0

Ion 86.90 (86.60 to 87.60): VY0

1.91

20000

15000

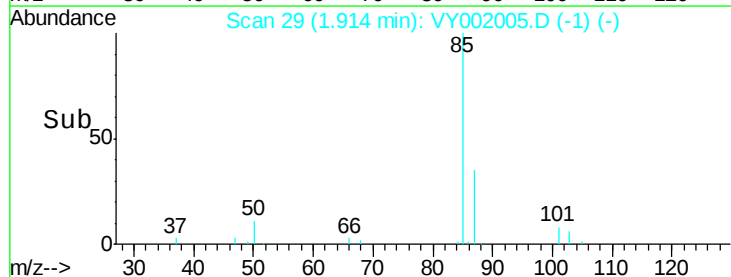
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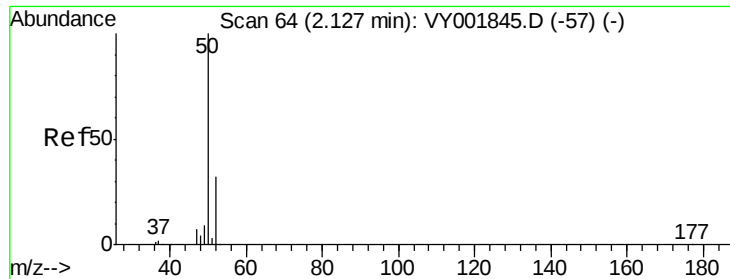
5000

0

1.85 1.90 1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 19.976 ug/l

RT: 2.13 min Scan# 64

Delta R.T. 0.00 min

Lab File: VY002005.D

Acq: 18 Mar 2020 11:47

Tot Ion: 50 Resp: 37876

Ion Ratio Lower Upper

50 100

52 33.2 25.8 38.6

Instrument :

MSVOA_Y

ClientSampleId :

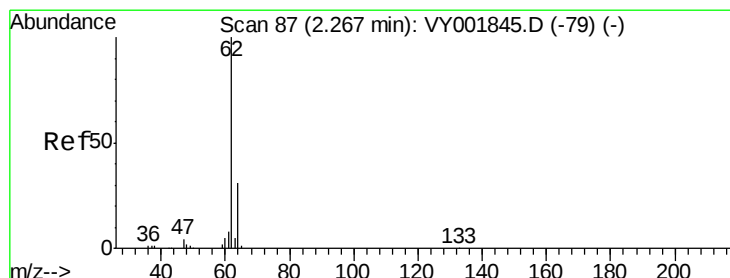
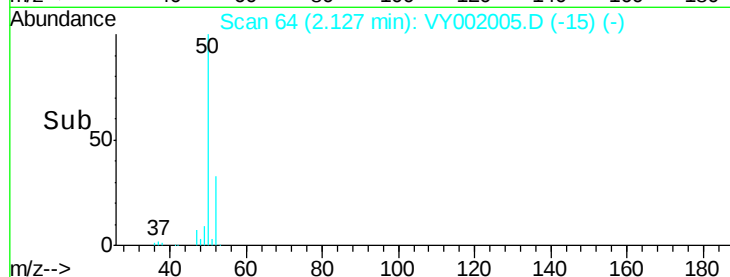
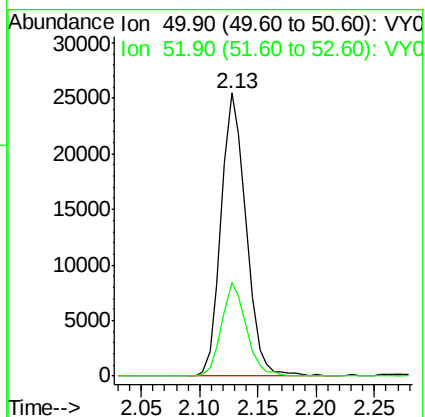
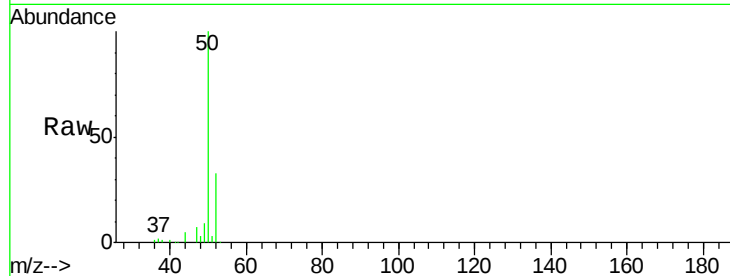
VY0318SBS01

Manual Integrations

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3/19/2020 11:59:36 AM



#4

Vinyl Chloride

Concen: 20.531 ug/l

RT: 2.27 min Scan# 87

Delta R.T. 0.00 min

Lab File: VY002005.D

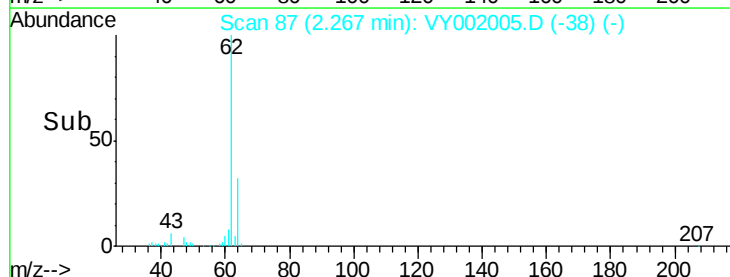
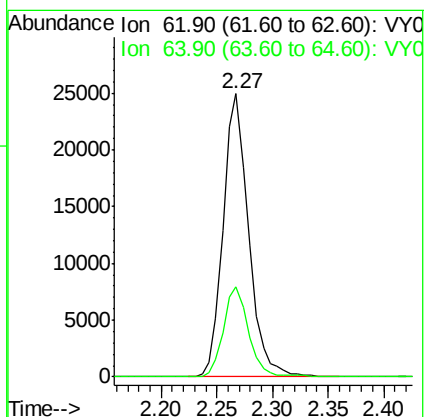
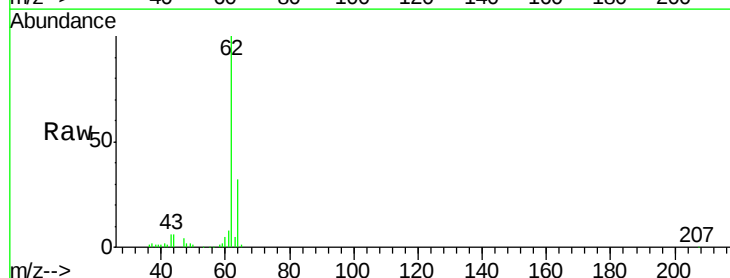
Acq: 18 Mar 2020 11:47

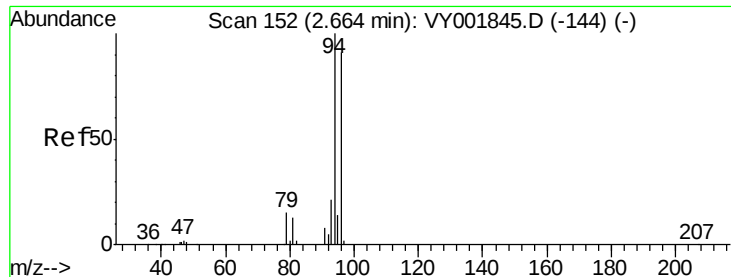
Tgt Ion: 62 Resp: 39596

Ion Ratio Lower Upper

62 100

64 32.0 25.1 37.7





#5

Bromomethane

Concen: 19.985 ug/l

RT: 2.66 min Scan# 151

Delta R.T. -0.01 min

Lab File: VY002005.D

Acq: 18 Mar 2020 11:47

Instrument :

MSVOA_Y

ClientSampleId :

VY0318SBS01

Tot Ion: 94 Resp: 26470

Ion Ratio Lower Upper

94 100

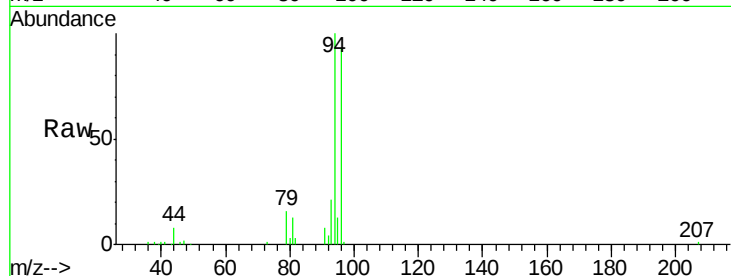
96 93.2 73.2 109.8

Manual Integrations

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3/19/2020 11:59:36 AM



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0

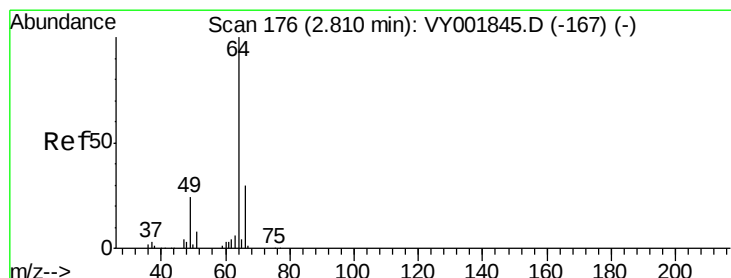
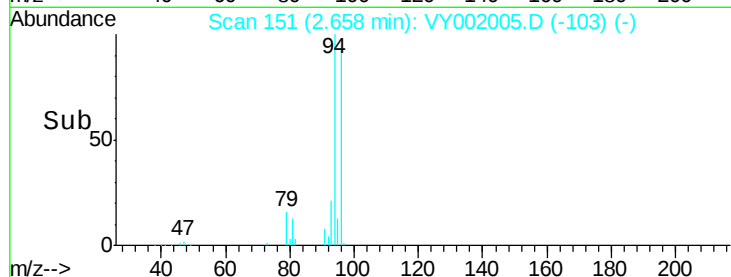
2.66

10000

5000

0

Time--> 2.55 2.60 2.65 2.70 2.75



#6

Chloroethane

Concen: 21.159 ug/l

RT: 2.81 min Scan# 176

Delta R.T. 0.00 min

Lab File: VY002005.D

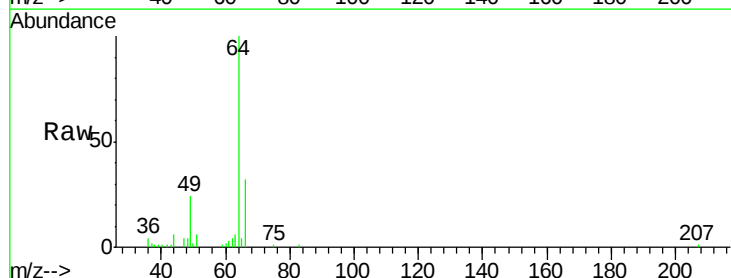
Acq: 18 Mar 2020 11:47

Tgt Ion: 64 Resp: 25634

Ion Ratio Lower Upper

64 100

66 31.8 23.8 35.8



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0

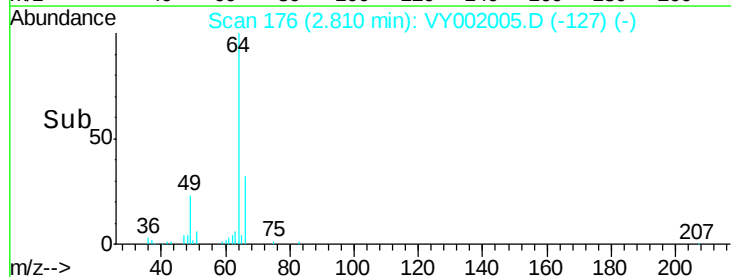
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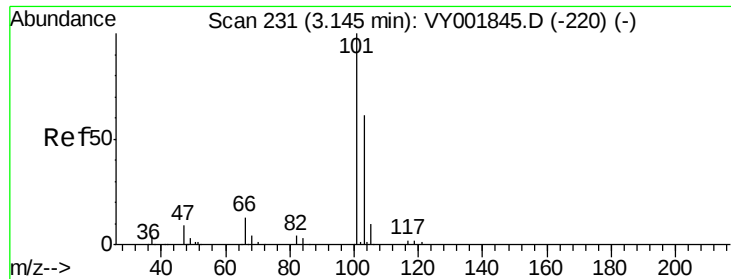
10000

5000

0

Time--> 2.70 2.80 2.90





#7

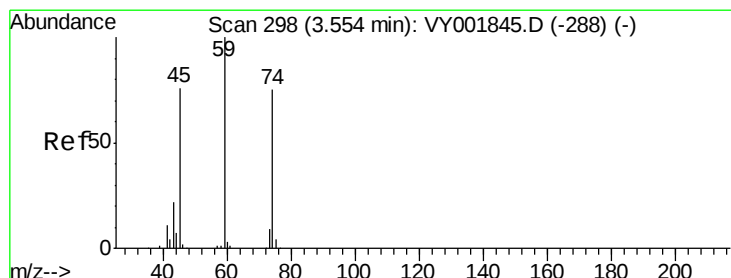
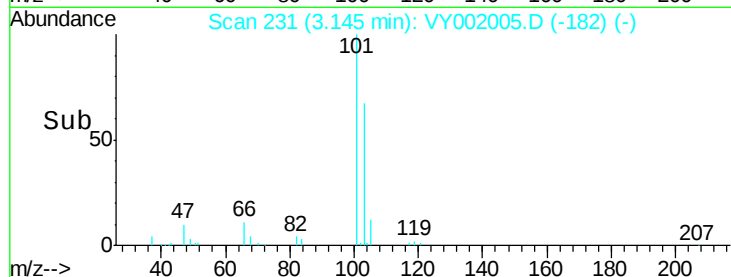
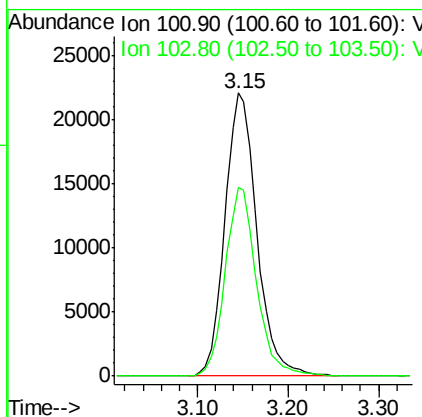
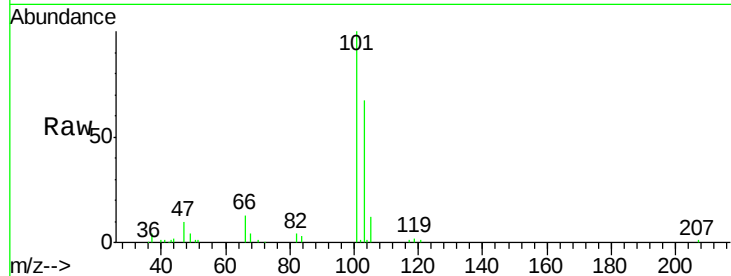
Trichlorofluoromethane
 Concen: 20.685 ug/l
 RT: 3.15 min Scan# 231
 Delta R.T. 0.00 min
 Lab File: VY002005.D
 Acq: 18 Mar 2020 11:47

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0318SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.8	49.1	73.7

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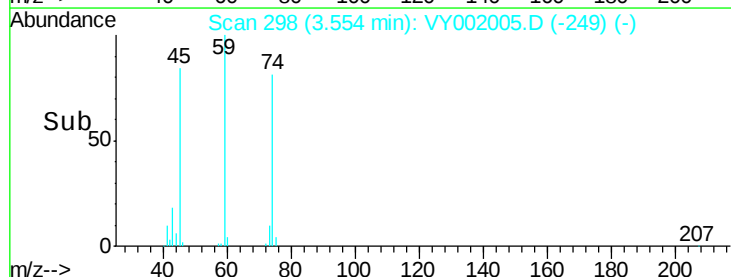
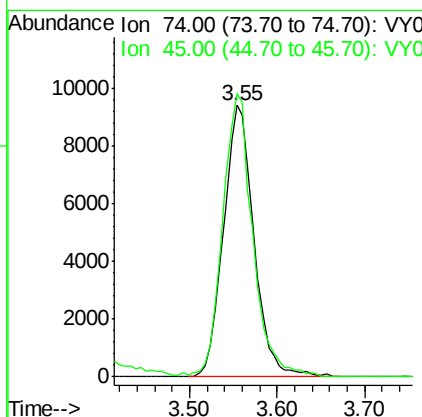
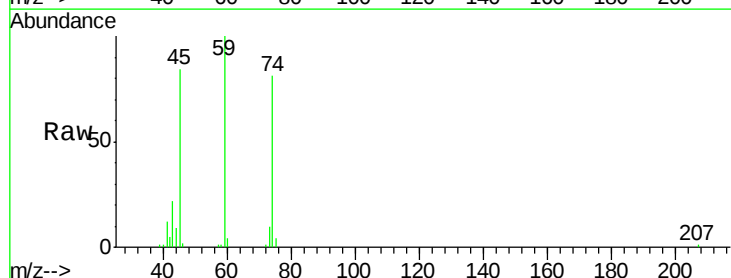
MMDadoda
 3/19/2020 11:59:36 AM

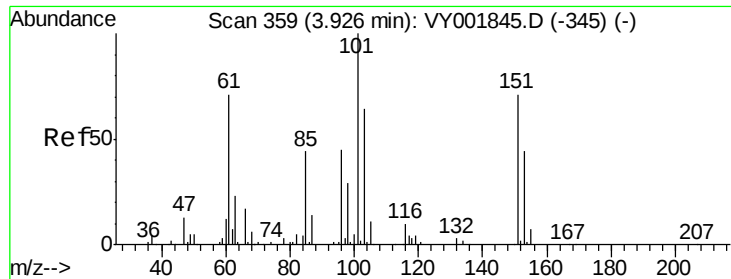


#8

Diethyl Ether
 Concen: 22.088 ug/l
 RT: 3.55 min Scan# 298
 Delta R.T. 0.00 min
 Lab File: VY002005.D
 Acq: 18 Mar 2020 11:47

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.5	50.5	151.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.427 ug/l

RT: 3.93 min Scan# 360

Delta R.T. 0.01 min

Lab File: VY002005.D

Acq: 18 Mar 2020 11:47

Instrument :

MSVOA_Y

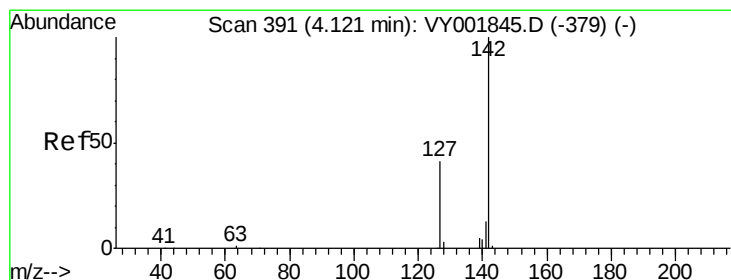
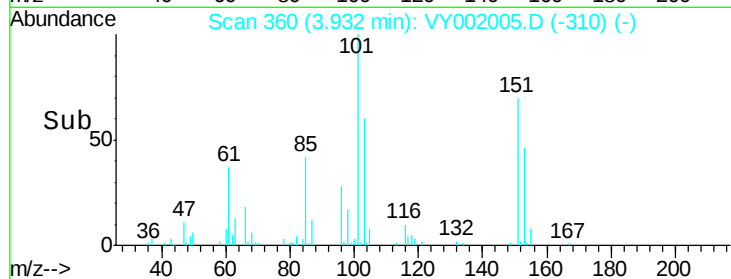
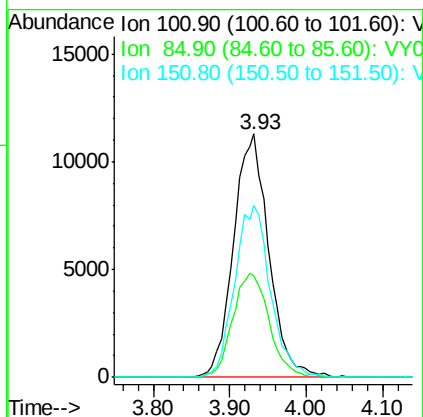
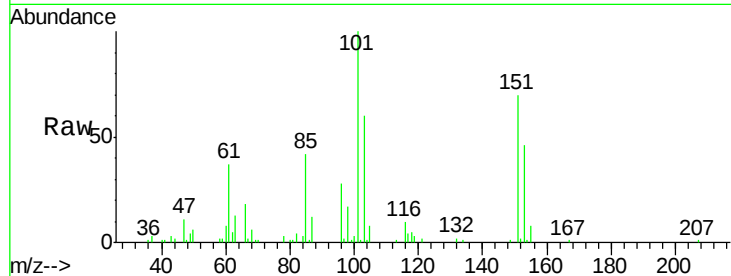
ClientSampleId :

VY0318SBS01

Tot Ion:	101	Resp:	36046
Ion Ratio	Lower	Upper	
101	100		
85	44.3	35.3	52.9
151	71.6	57.0	85.4

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#10

Methyl Iodide

Concen: 20.364 ug/l

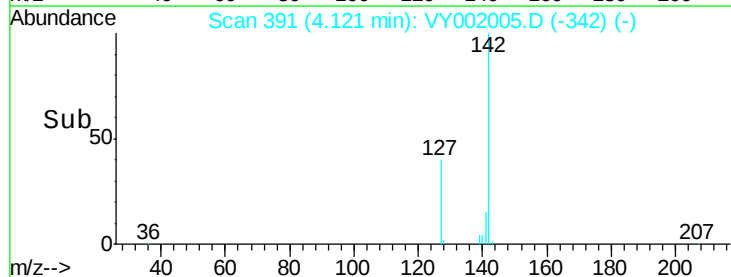
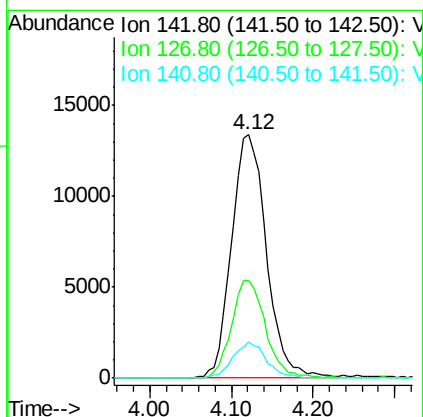
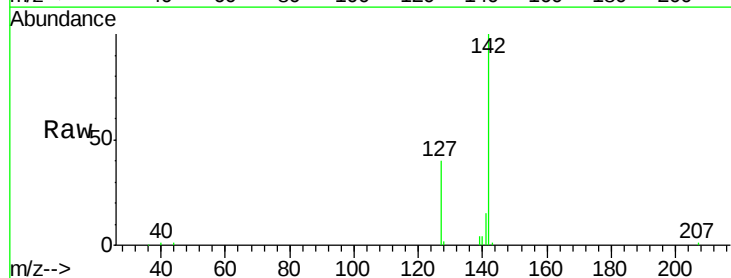
RT: 4.12 min Scan# 391

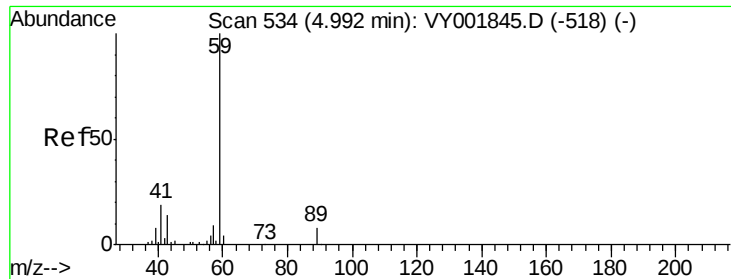
Delta R.T. 0.00 min

Lab File: VY002005.D

Acq: 18 Mar 2020 11:47

Tgt Ion:	142	Resp:	39618
Ion Ratio	Lower	Upper	
142	100		
127	39.3	32.7	49.1
141	14.1	11.0	16.6





#11

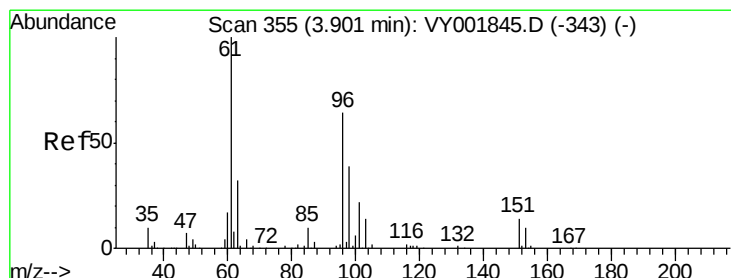
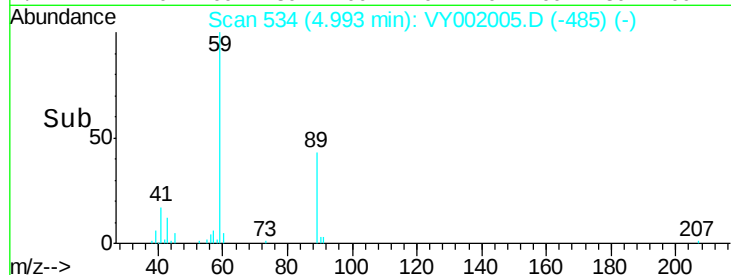
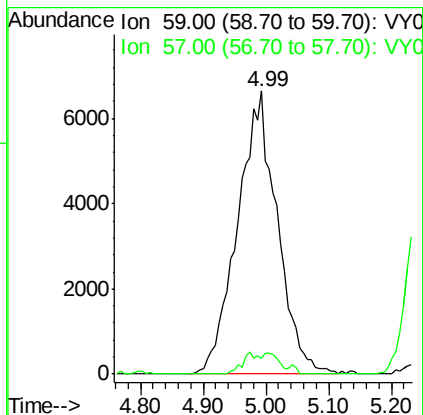
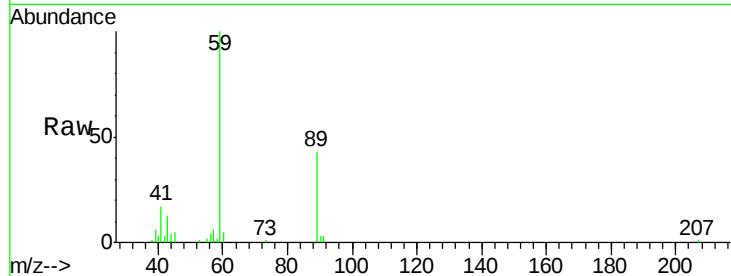
Tert butyl alcohol
Concen: 163.688 ug/l
RT: 4.99 min Scan# 534
Delta R.T. 0.00 min
Lab File: VY002005.D
Acq: 18 Mar 2020 11:47

Instrument :
MSVOA_Y
ClientSampleId :
VY0318SBS01

Tot Ion: 59 Resp: 29025
Ion Ratio Lower Upper
59 100
57 2.0 7.4 11.2#

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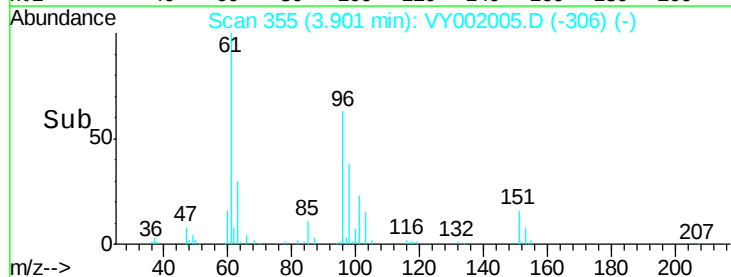
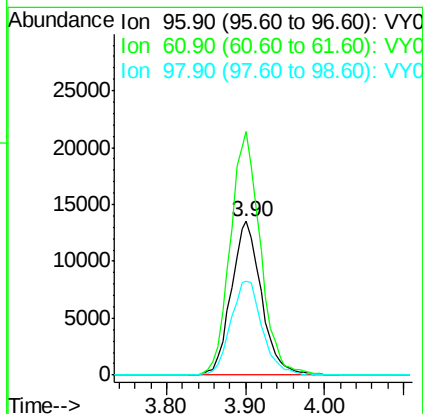
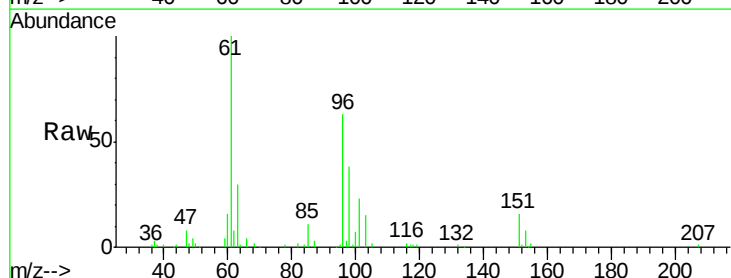
MMDadoda
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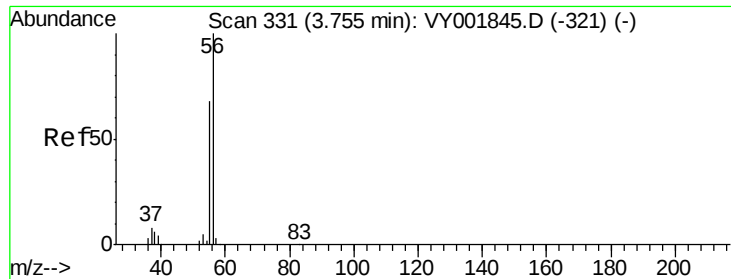


#12

1,1-Dichloroethene
Concen: 21.167 ug/l
RT: 3.90 min Scan# 355
Delta R.T. 0.00 min
Lab File: VY002005.D
Acq: 18 Mar 2020 11:47

Tgt Ion: 96 Resp: 35855
Ion Ratio Lower Upper
96 100
61 158.5 124.8 187.2
98 60.9 49.2 73.8





#13

Acrolein

Concen: 83.183 ug/l

RT: 3.75 min Scan# 331

Delta R.T. 0.00 min

Lab File: VY002005.D

Acq: 18 Mar 2020 11:47

Instrument :

MSVOA_Y

ClientSampleId :

VY0318SBS01

Tot Ion: 56 Resp: 19012

Ion Ratio Lower Upper

56 100

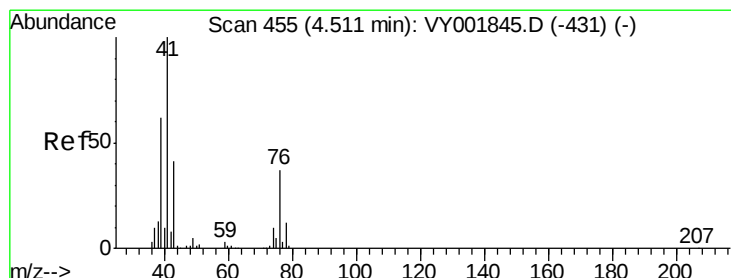
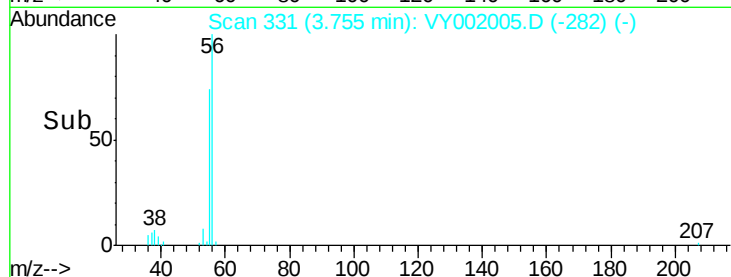
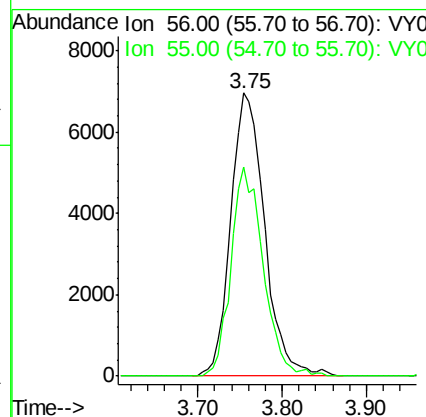
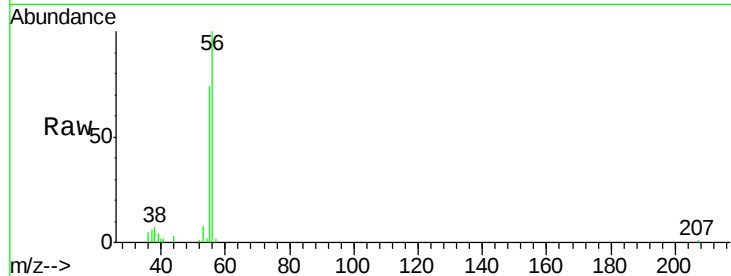
55 70.1 54.0 81.0

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#14

Allyl chloride

Concen: 21.612 ug/l

RT: 4.52 min Scan# 456

Delta R.T. 0.01 min

Lab File: VY002005.D

Acq: 18 Mar 2020 11:47

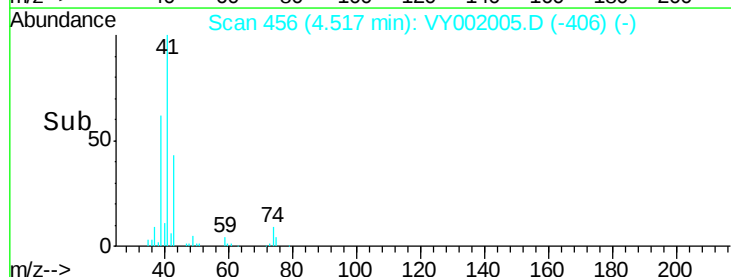
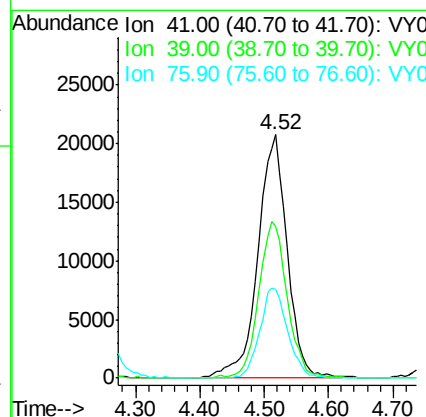
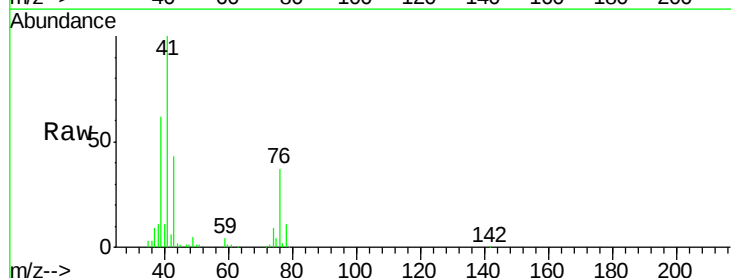
Tgt Ion: 41 Resp: 64899

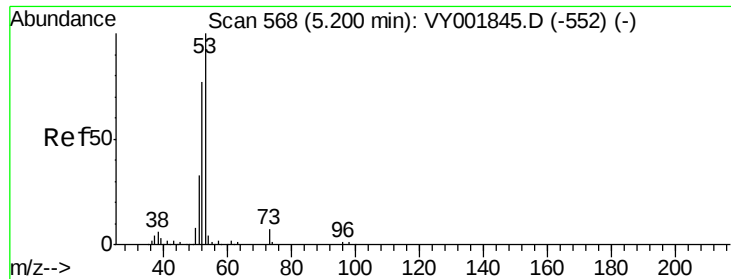
Ion Ratio Lower Upper

41 100

39 62.2 49.0 73.6

76 35.1 28.9 43.3





#15

Acrylonitrile

Concen: 110.211 ug/l

RT: 5.21 min Scan# 569

Delta R.T. 0.01 min

Lab File: VY002005.D

Acq: 18 Mar 2020 11:47

Instrument :

MSVOA_Y

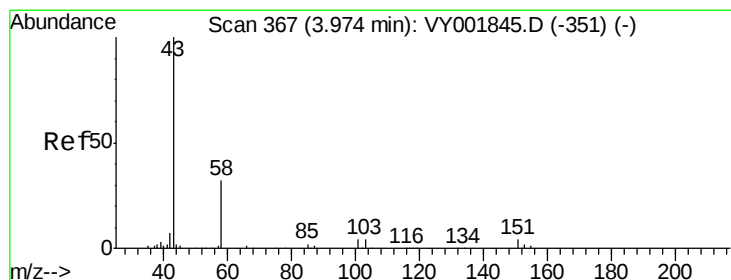
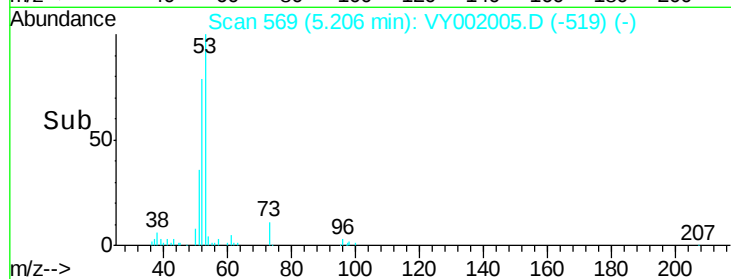
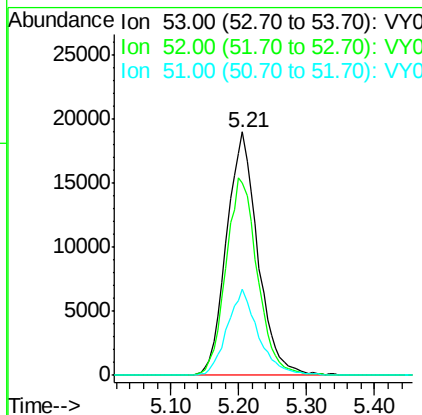
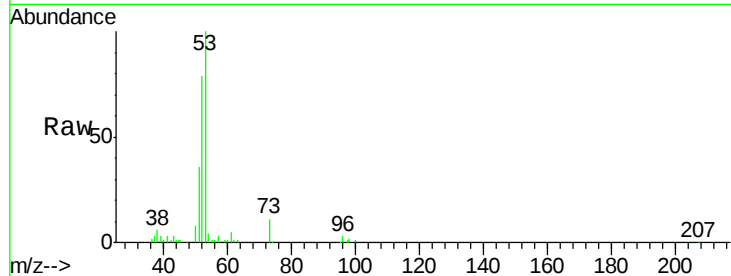
ClientSampleId :

VY0318SBS01

Tot Ion:	53	Resp:	60711
Ion Ratio		Lower	Upper
53	100		
52	81.3	65.1	97.7
51	35.1	27.5	41.3

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#16

Acetone

Concen: 103.478 ug/l

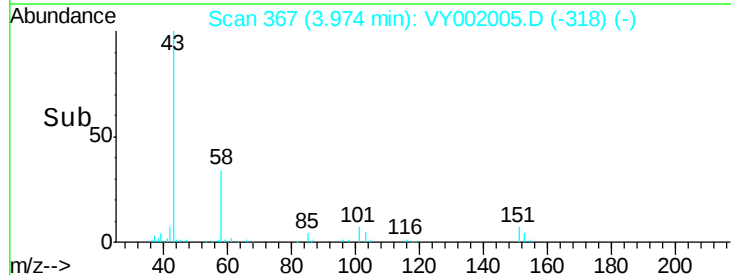
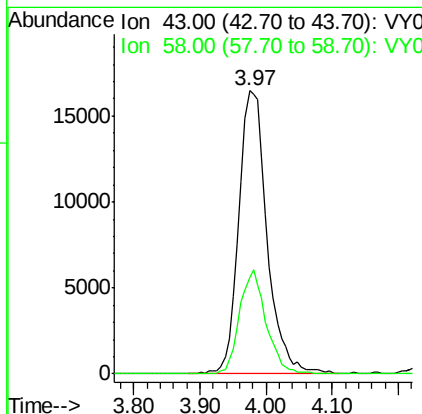
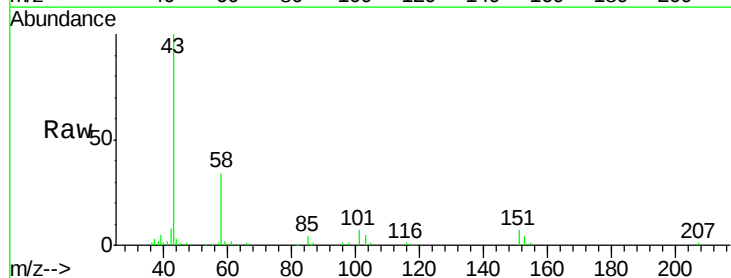
RT: 3.97 min Scan# 367

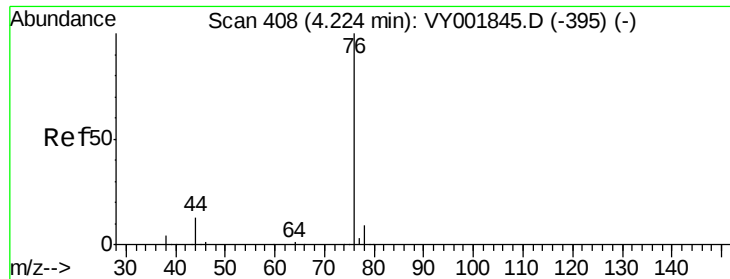
Delta R.T. 0.00 min

Lab File: VY002005.D

Acq: 18 Mar 2020 11:47

Tgt Ion:	43	Resp:	49020
Ion Ratio		Lower	Upper
43	100		
58	34.0	25.9	38.9





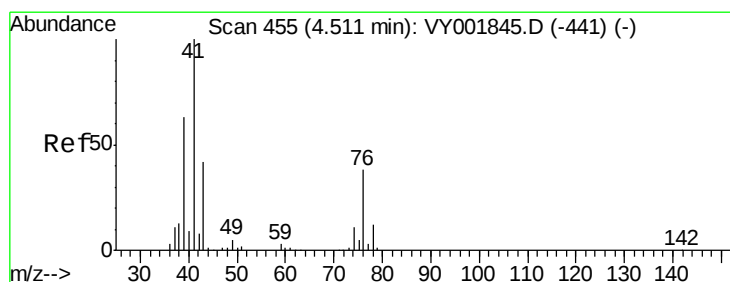
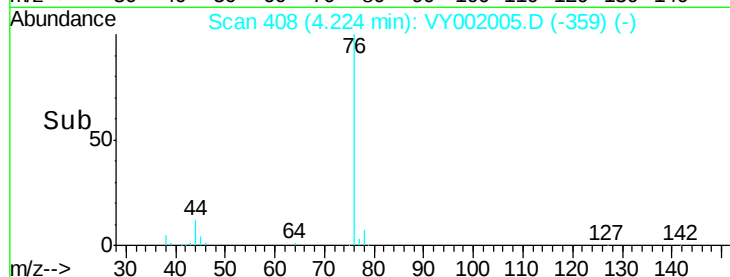
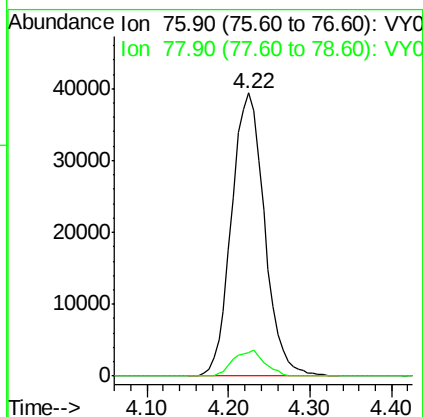
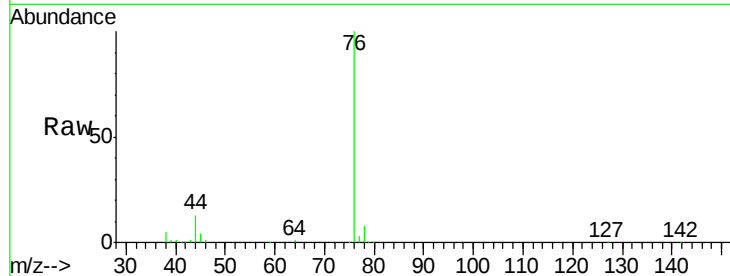
#17
Carbon Disulfide
Concen: 19.358 ug/l
RT: 4.22 min Scan# 408
Delta R.T. 0.00 min
Lab File: VY002005.D
Acq: 18 Mar 2020 11:47

Instrument :
MSVOA_Y
ClientSampleId :
VY0318SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.4	7.4	11.2

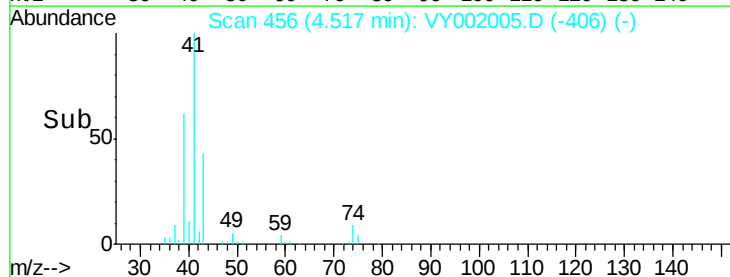
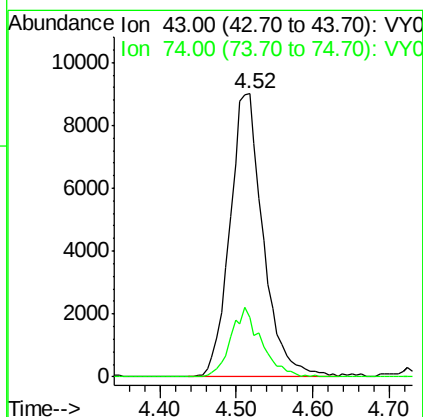
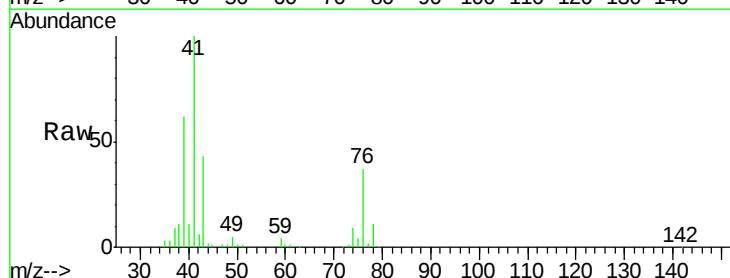
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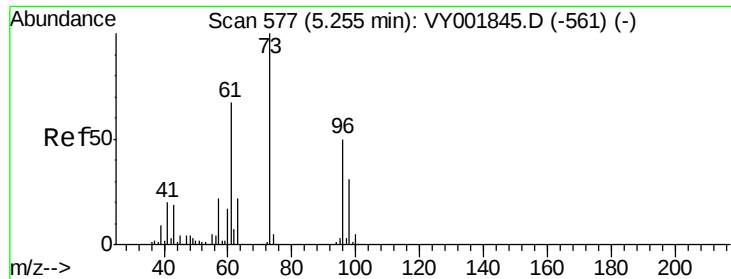
MMDadoda
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#18
Methyl Acetate
Concen: 22.322 ug/l
RT: 4.52 min Scan# 456
Delta R.T. 0.01 min
Lab File: VY002005.D
Acq: 18 Mar 2020 11:47

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.3	19.0	28.6





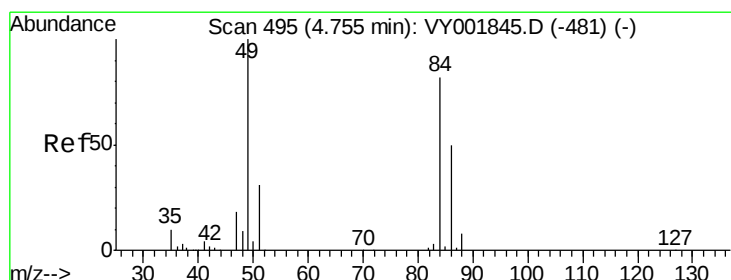
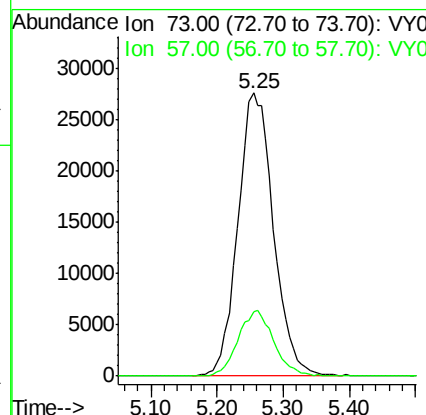
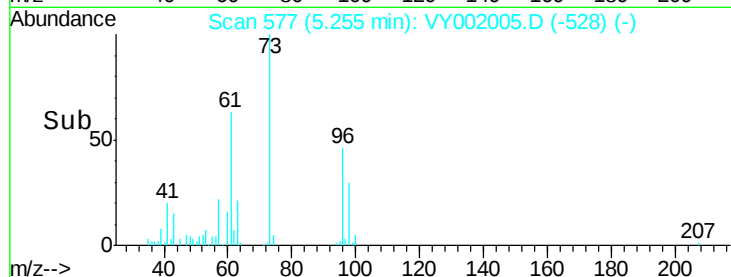
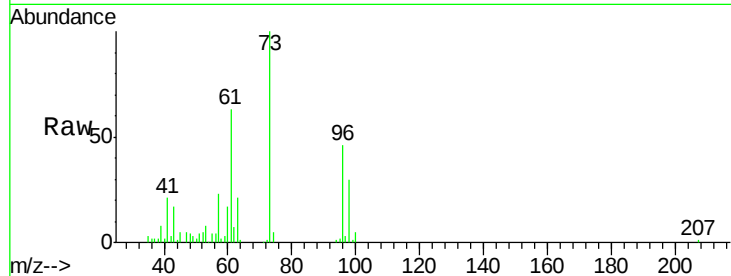
#19
Methvl tert-butvl Ether
Concen: 22.392 ug/l
RT: 5.25 min Scan# 577
Delta R.T. 0.00 min
Lab File: VY002005.D
Acq: 18 Mar 2020 11:47

Instrument :
MSVOA_Y
ClientSampleId :
VY0318SBS01

Tot Ion: 73 Resp: 102788
Ion Ratio Lower Upper
73 100
57 23.0 17.4 26.2

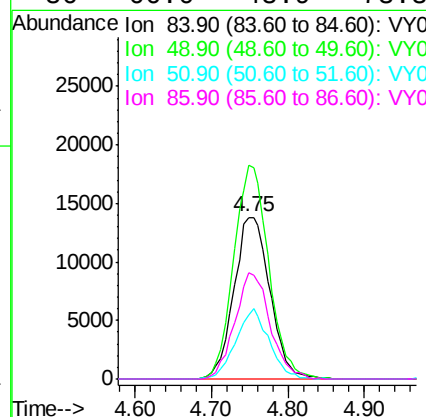
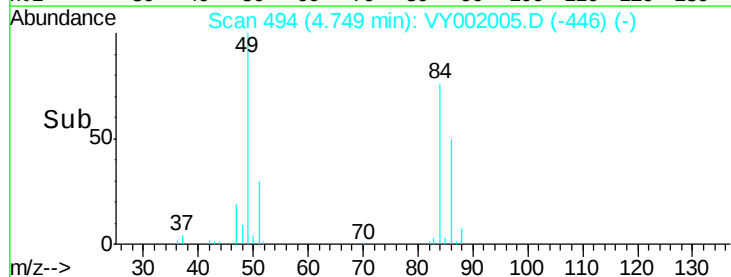
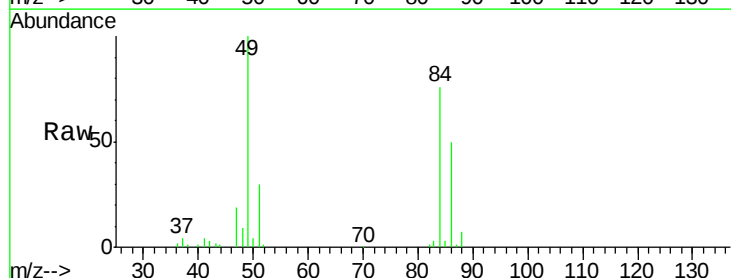
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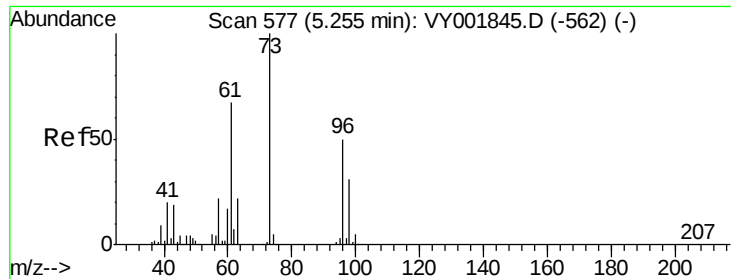
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#20
Methylene Chloride
Concen: 22.227 ug/l
RT: 4.75 min Scan# 494
Delta R.T. -0.01 min
Lab File: VY002005.D
Acq: 18 Mar 2020 11:47

Tgt Ion: 84 Resp: 45128
Ion Ratio Lower Upper
84 100
49 132.2 98.2 147.2
51 39.4 30.2 45.2
86 66.0 48.9 73.3





#21

trans-1,2-Dichloroethene

Concen: 20.929 ug/l

RT: 5.25 min Scan# 577

Delta R.T. 0.00 min

Lab File: VY002005.D

Acq: 18 Mar 2020 11:47

Instrument :

MSVOA_Y

ClientSampleId :

VY0318SBS01

Tot Ion: 96 Resp: 40238

Ion Ratio Lower Upper

96 100

61 137.6 107.7 161.5

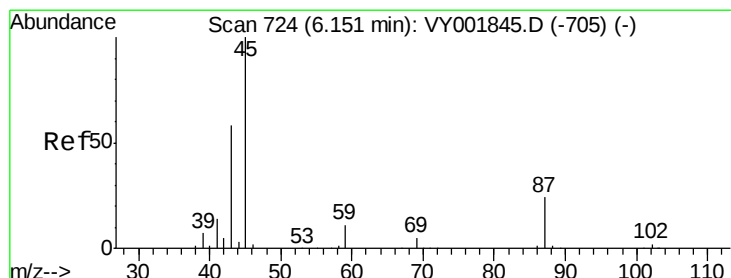
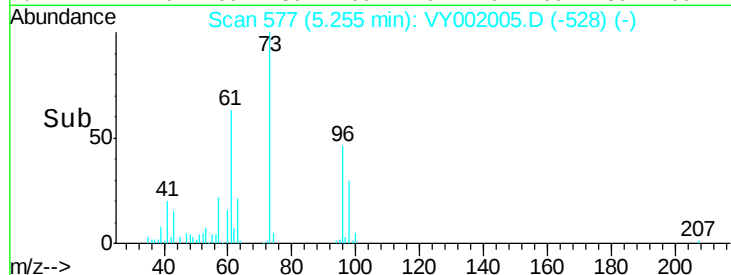
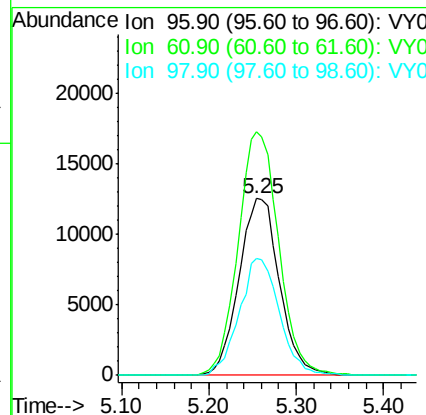
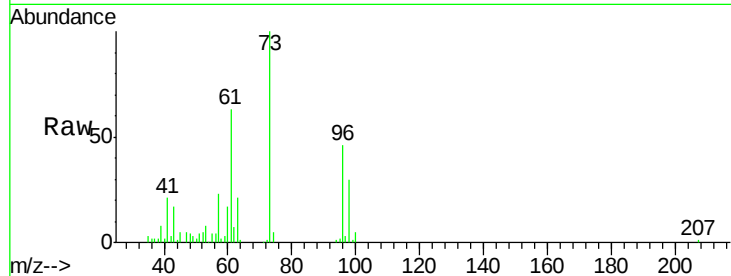
98 65.9 49.3 73.9

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#22

Diisopropyl ether

Concen: 22.188 ug/l

RT: 6.15 min Scan# 724

Delta R.T. 0.00 min

Lab File: VY002005.D

Acq: 18 Mar 2020 11:47

Tgt Ion: 45 Resp: 136578

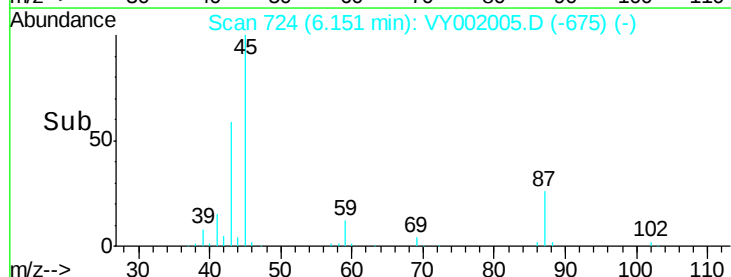
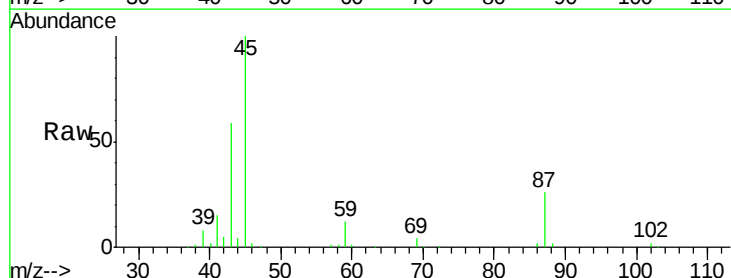
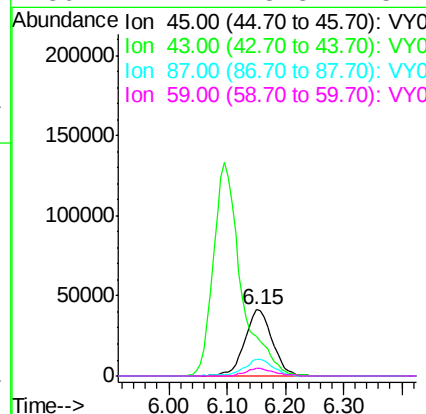
Ion Ratio Lower Upper

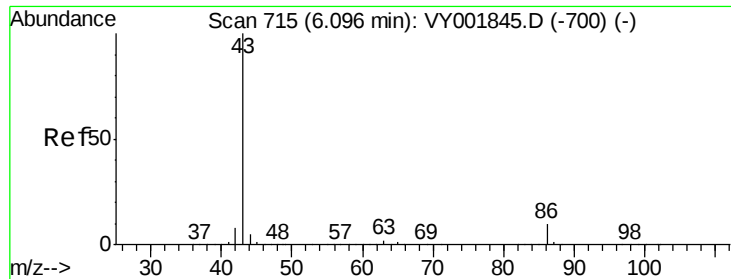
45 100

43 58.6 47.2 70.8

87 25.5 19.8 29.8

59 11.7 8.8 13.2





#23

Vinyl Acetate

Concen: 108.851 ug/l

RT: 6.10 min Scan# 715

Delta R.T. 0.00 min

Lab File: VY002005.D

Acq: 18 Mar 2020 11:47

Instrument :

MSVOA_Y

ClientSampleId :

VY0318SBS01

Tot Ion: 43 Resp: 439251

Ion Ratio Lower Upper

43 100

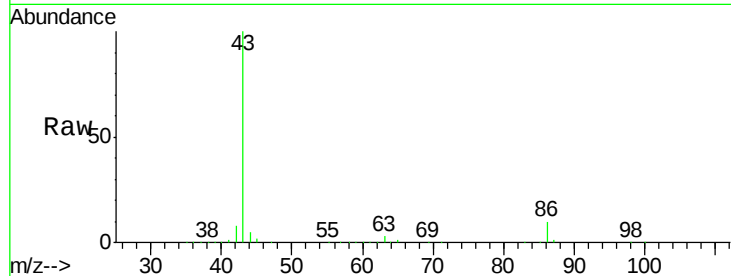
86 10.0 7.8 11.8

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

6.10

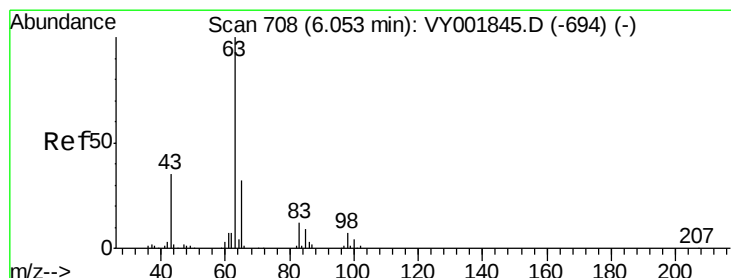
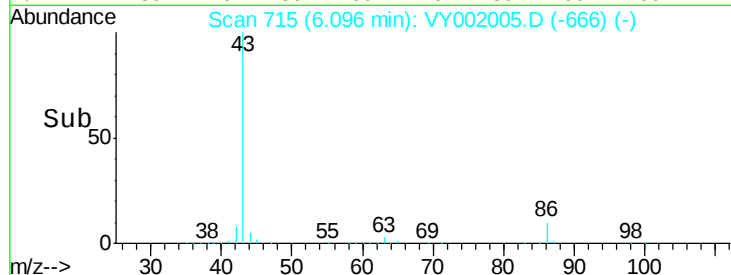
150000

100000

50000

0

Time--> 5.90 6.00 6.10 6.20 6.30



#24

1,1-Dichloroethane

Concen: 21.374 ug/l

RT: 6.05 min Scan# 708

Delta R.T. 0.00 min

Lab File: VY002005.D

Acq: 18 Mar 2020 11:47

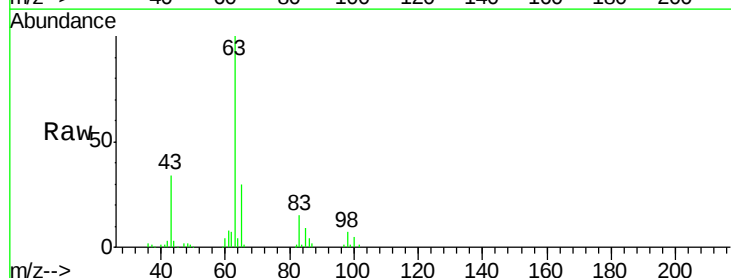
Tgt Ion: 63 Resp: 71249

Ion Ratio Lower Upper

63 100

98 7.1 3.4 10.2

100 4.7 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0

6.05

30000

25000

20000

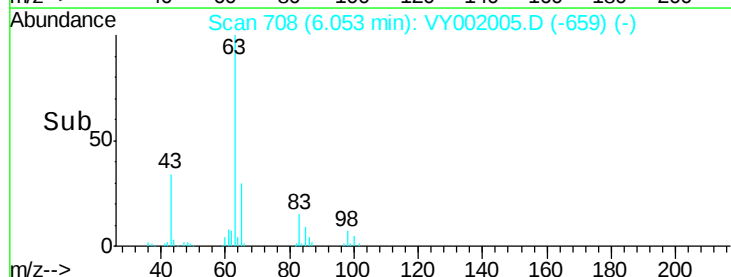
15000

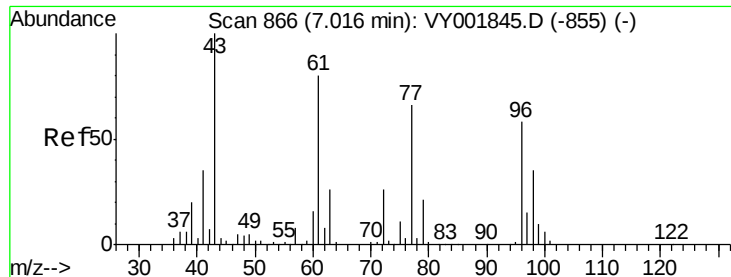
10000

5000

0

Time--> 5.90 6.00 6.10 6.20





#25

2-Butanone

Concen: 111.504 ug/l

RT: 7.02 min Scan# 866

Delta R.T. 0.00 min

Lab File: VY002005.D

Acq: 18 Mar 2020 11:47

Instrument :

MSVOA_Y

ClientSampleId :

VY0318SBS01

Tot Ion: 43 Resp: 80328

Ion Ratio Lower Upper

43 100

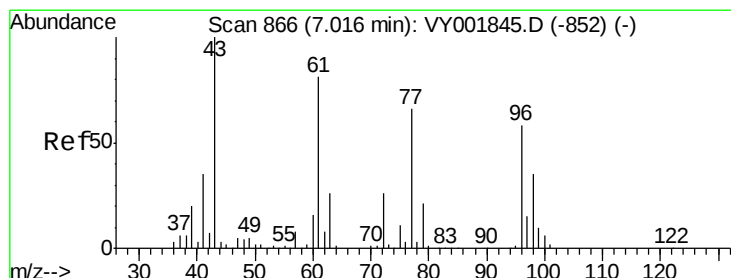
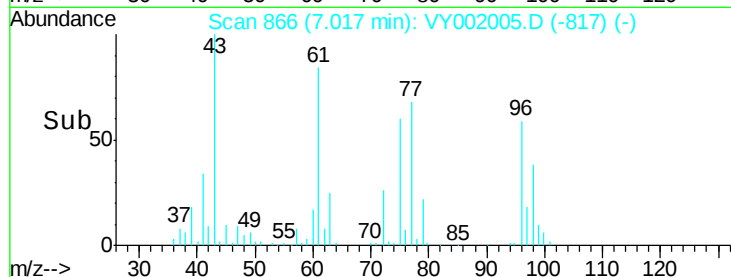
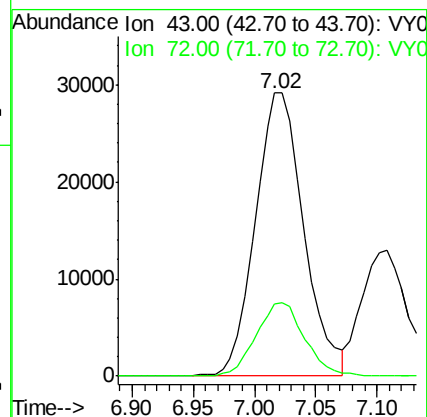
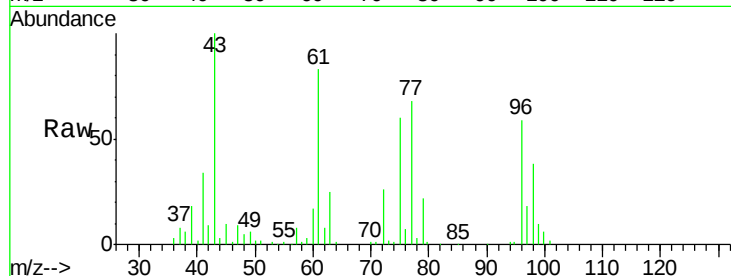
72 25.6 20.9 31.3

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 22.153 ug/l

RT: 7.02 min Scan# 866

Delta R.T. 0.00 min

Lab File: VY002005.D

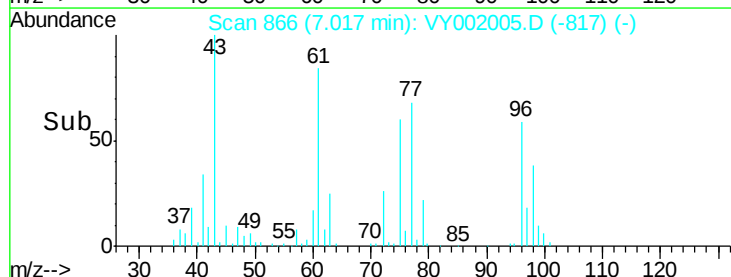
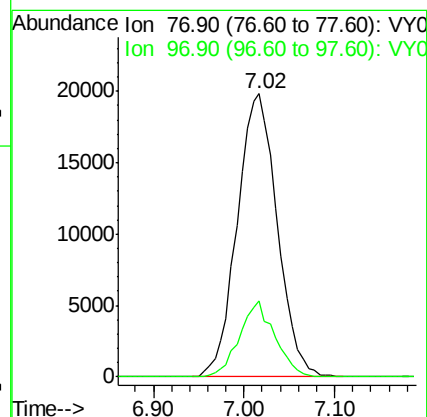
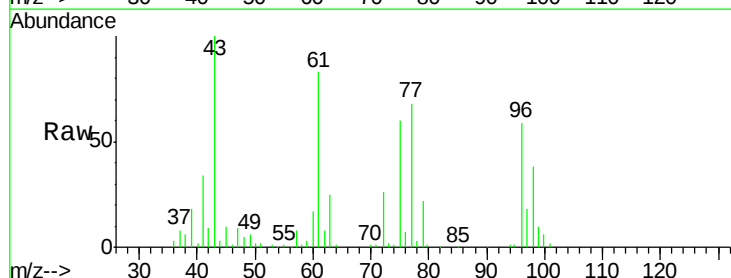
Acq: 18 Mar 2020 11:47

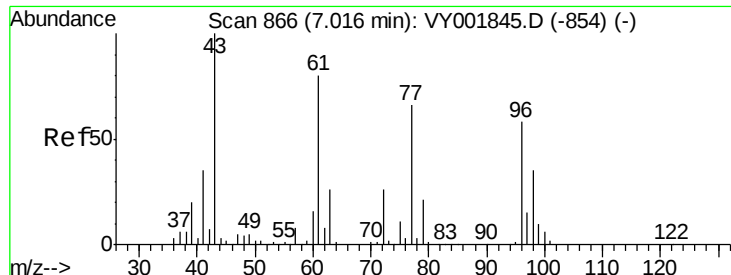
Tgt Ion: 77 Resp: 60609

Ion Ratio Lower Upper

77 100

97 23.7 11.9 35.7





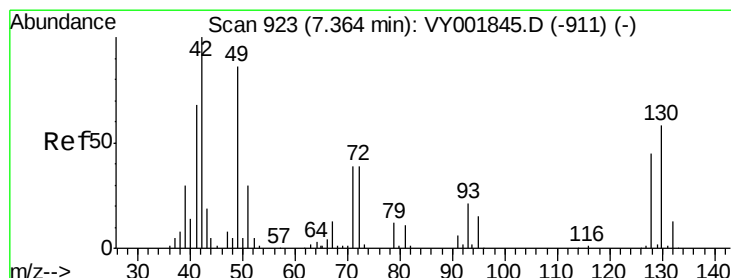
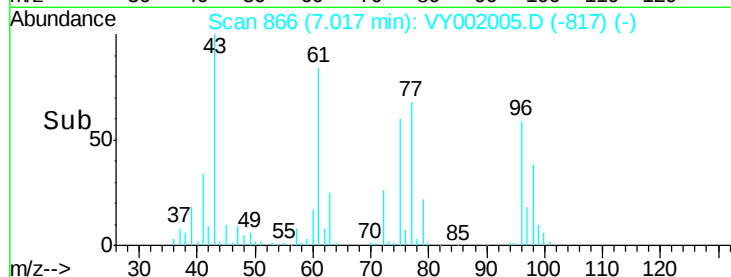
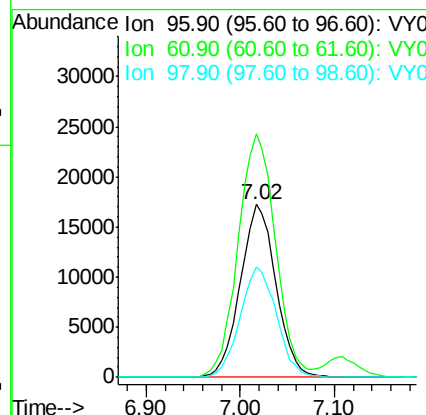
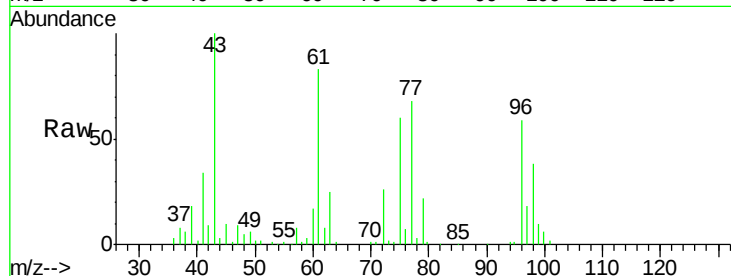
#27
 cis-1,2-Dichloroethene
 Concen: 21.789 ug/l
 RT: 7.02 min Scan# 866
 Delta R.T. 0.00 min
 Lab File: VY002005.D
 Acq: 18 Mar 2020 11:47

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0318SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	147.2	0.0	288.2
98	64.8	0.0	129.0

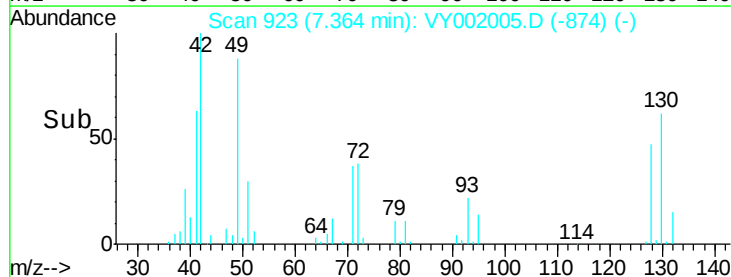
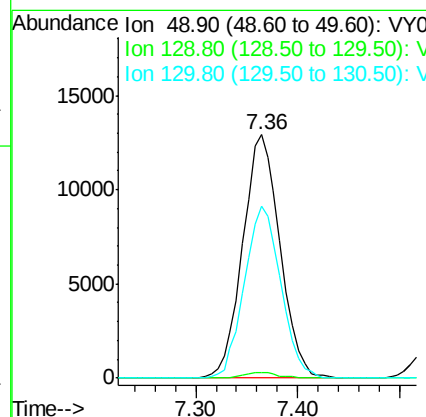
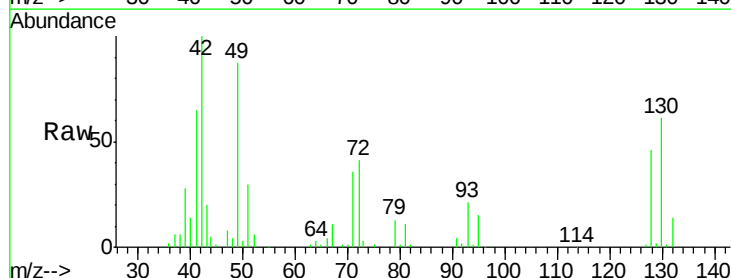
Manual Integrations
 APPROVED

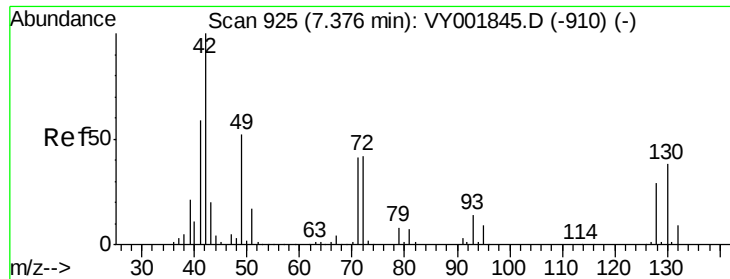
MMDadoda
 3/19/2020 11:59:36 AM



#28
 Bromochloromethane
 Concen: 21.786 ug/l
 RT: 7.36 min Scan# 923
 Delta R.T. 0.00 min
 Lab File: VY002005.D
 Acq: 18 Mar 2020 11:47

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.8
130	69.1	54.4	81.6





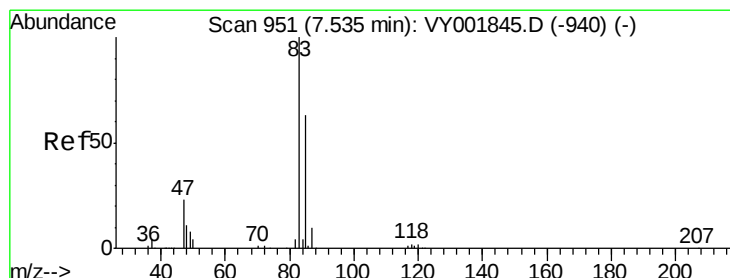
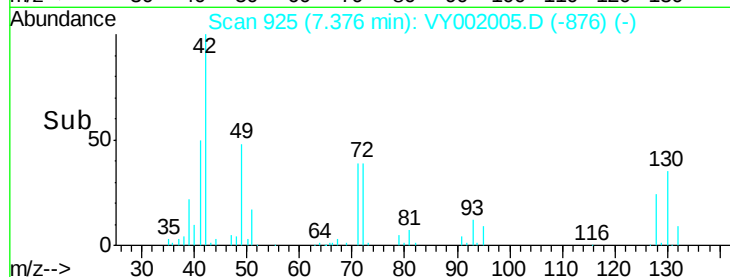
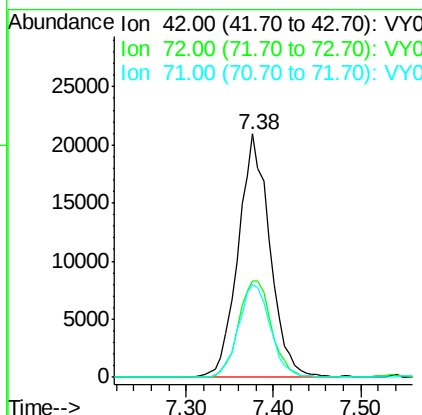
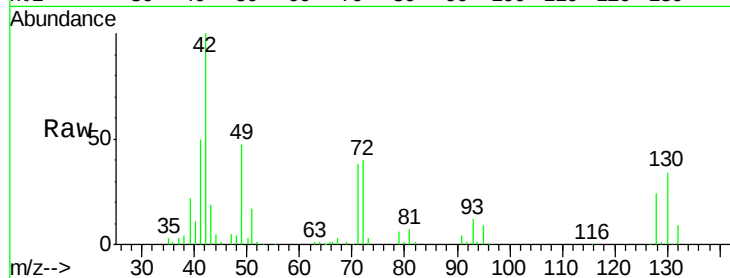
#29
Tetrahydrofuran
Concen: 110.201 ug/l
RT: 7.38 min Scan# 925
Delta R.T. 0.00 min
Lab File: VY002005.D
Acq: 18 Mar 2020 11:47

Instrument :
MSVOA_Y
ClientSampleId :
VY0318SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.1	33.5	50.3
71	38.5	31.3	46.9

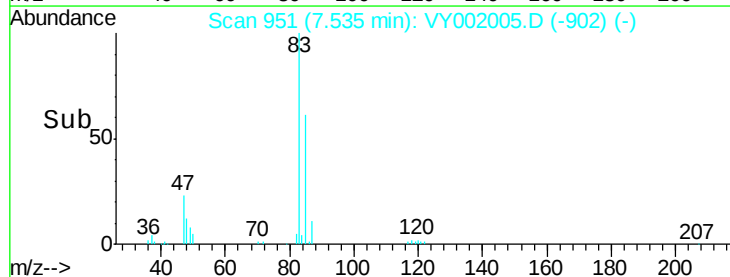
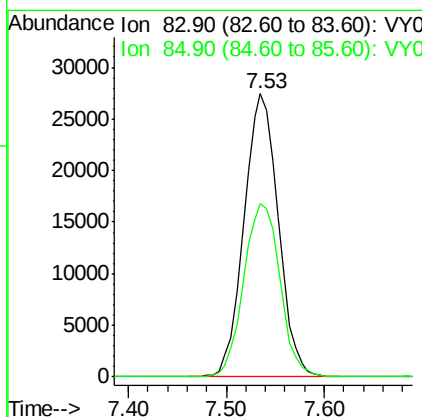
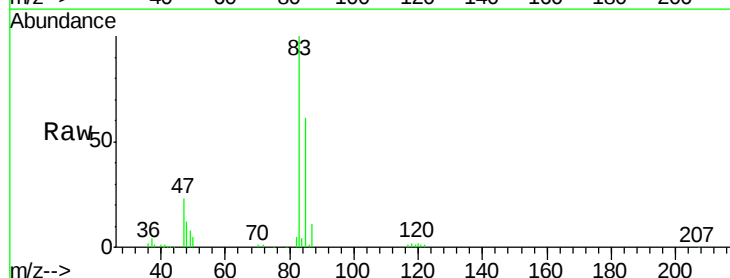
Manual Integrations
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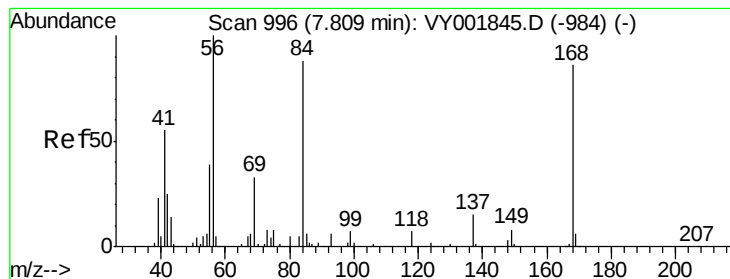
MMDadoda
3/19/2020 11:59:36 AM



#30
Chloroform
Concen: 21.396 ug/l
RT: 7.53 min Scan# 951
Delta R.T. 0.00 min
Lab File: VY002005.D
Acq: 18 Mar 2020 11:47

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.4	50.7	76.1





#31

Cyclohexane

Concen: 20.376 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.00 min

Lab File: VY002005.D

Acq: 18 Mar 2020 11:47

Instrument :

MSVOA_Y

ClientSampleId :

VY0318SBS01

Tot Ion: 56 Resp: 72827

Ion Ratio Lower Upper

56 100

69 37.3 26.7 40.1

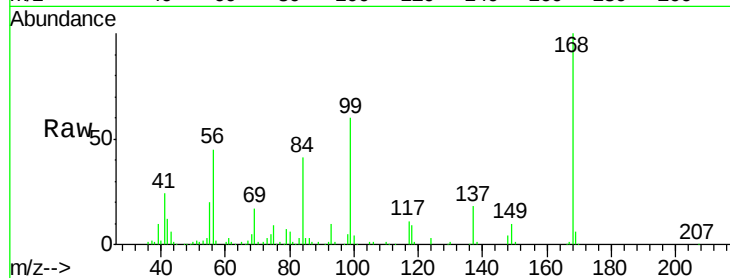
84 91.8 70.4 105.6

Manual Integrations

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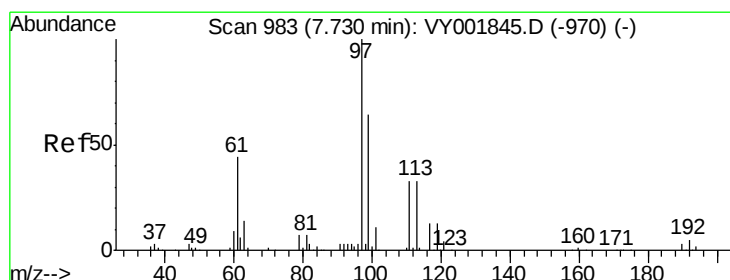
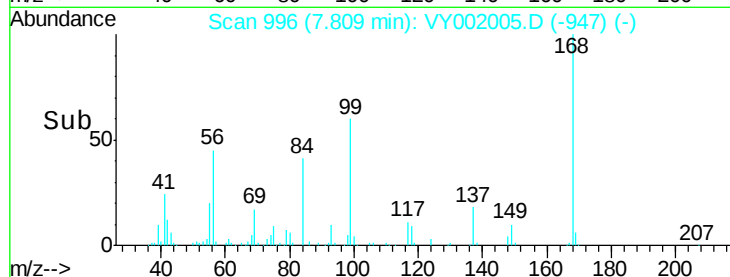
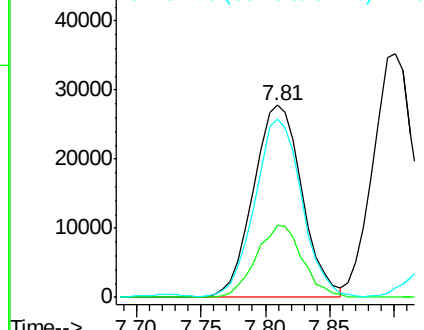
3/19/2020 11:59:36 AM



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0



#32

1,1,1-Trichloroethane

Concen: 21.860 ug/l

RT: 7.73 min Scan# 983

Delta R.T. 0.00 min

Lab File: VY002005.D

Acq: 18 Mar 2020 11:47

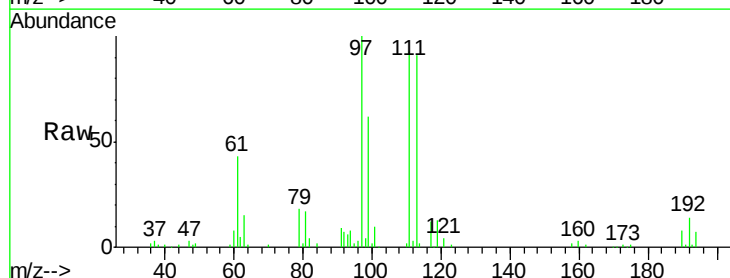
Tgt Ion: 97 Resp: 57702

Ion Ratio Lower Upper

97 100

99 63.5 52.0 78.0

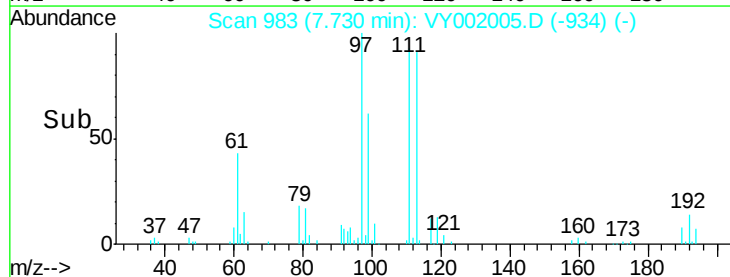
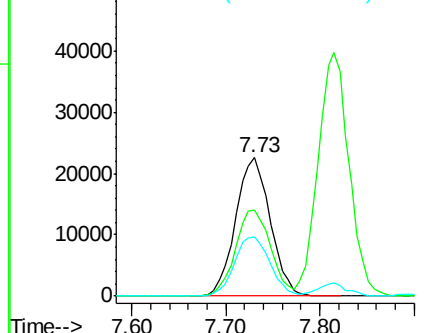
61 43.7 35.0 52.4

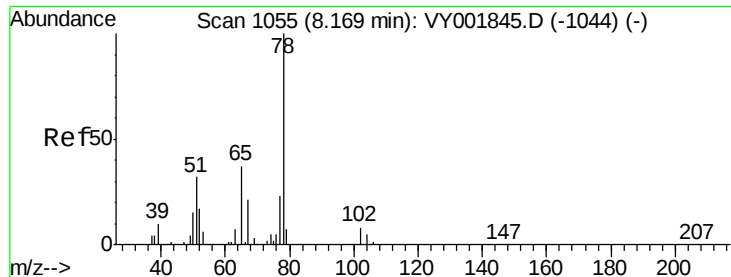


Abundance Ion 96.90 (96.60 to 97.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

Ion 60.90 (60.60 to 61.60): VY0





#33

1,2-Dichloroethane-d4

Concen: 52.302 ug/l

RT: 8.16 min Scan# 1054

Delta R.T. -0.01 min

Lab File: VY002005.D

Acq: 18 Mar 2020 11:47

Instrument :

MSVOA_Y

ClientSampleId :

VY0318SBS01

Tot Ion: 65 Resp: 85067

Ion Ratio Lower Upper

65 100

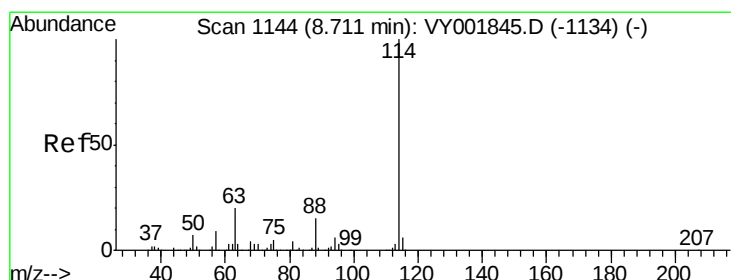
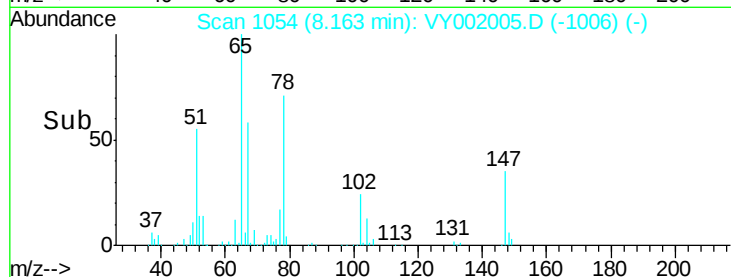
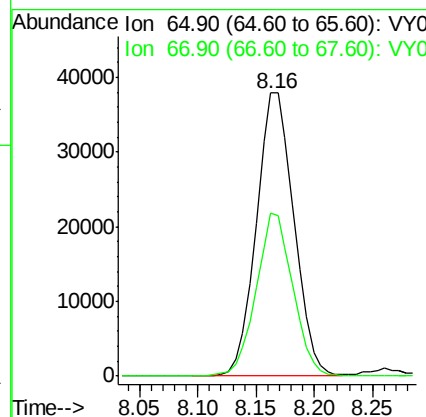
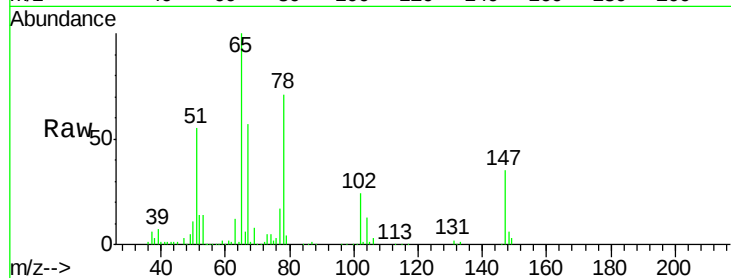
67 56.0 0.0 110.8

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.71 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VY002005.D

Acq: 18 Mar 2020 11:47

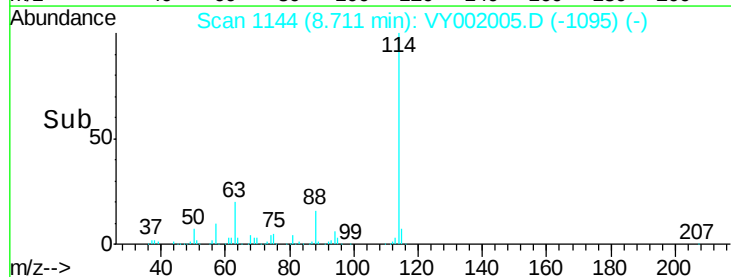
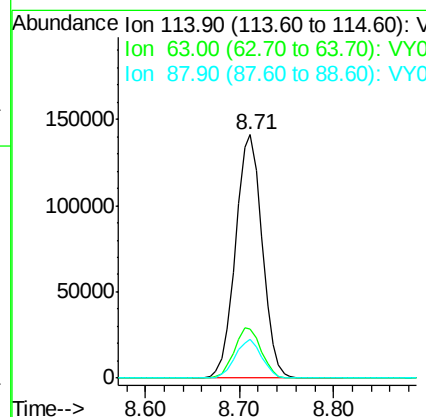
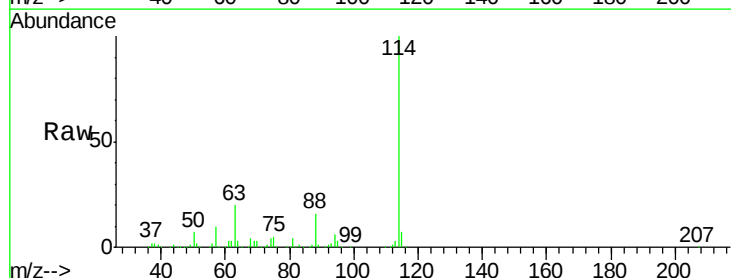
Tgt Ion: 114 Resp: 277172

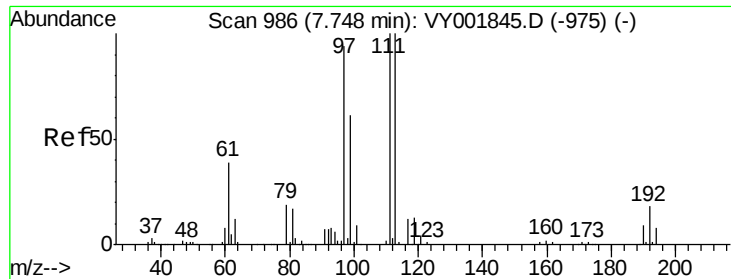
Ion Ratio Lower Upper

114 100

63 20.1 0.0 39.4

88 15.9 0.0 30.4





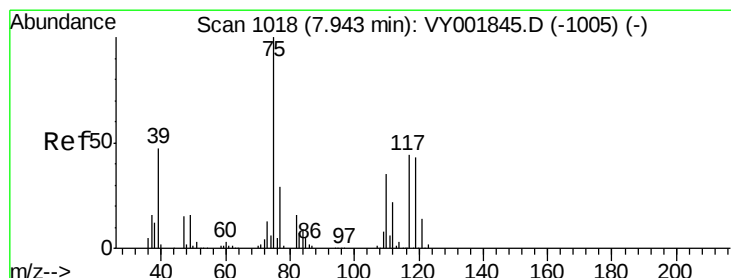
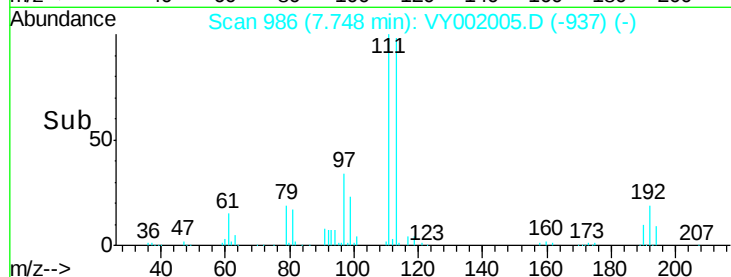
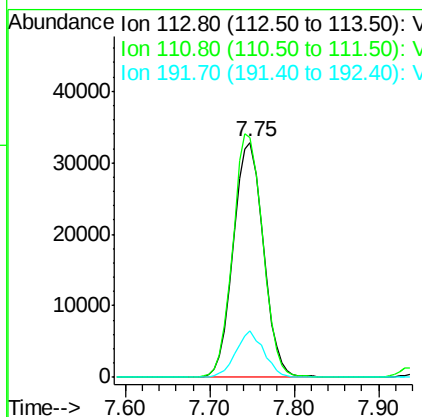
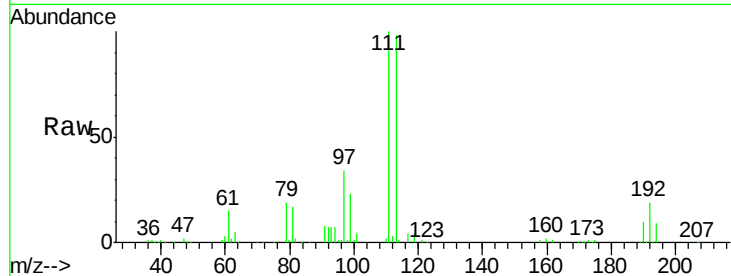
#35
 Dibromofluoromethane
 Concen: 52.419 ug/l
 RT: 7.75 min Scan# 986
 Delta R.T. 0.00 min
 Lab File: VY002005.D
 Acq: 18 Mar 2020 11:47

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0318SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	79335		
111	102.7		81.8	122.8
192	18.2		14.2	21.2

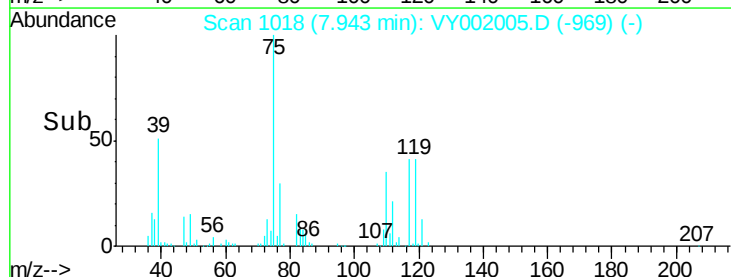
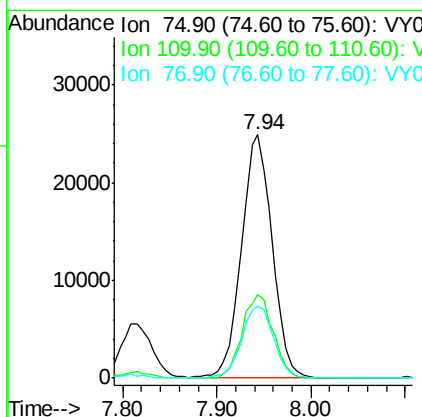
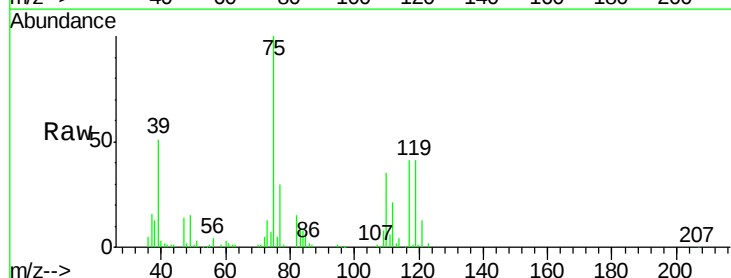
Manual Integrations
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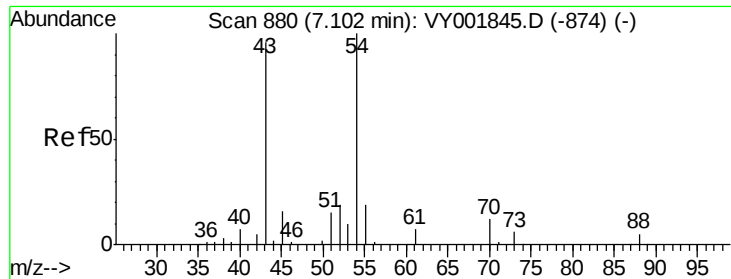
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 3/19/2020 11:59:36 AM



#36
 1,1-Dichloropropene
 Concen: 21.172 ug/l
 RT: 7.94 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VY002005.D
 Acq: 18 Mar 2020 11:47

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	56471		
110	34.5		17.4	52.2
77	30.7		24.2	36.2





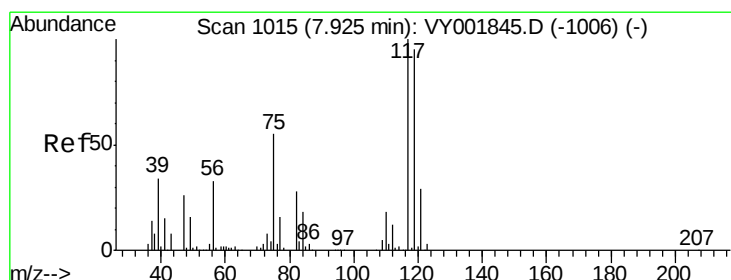
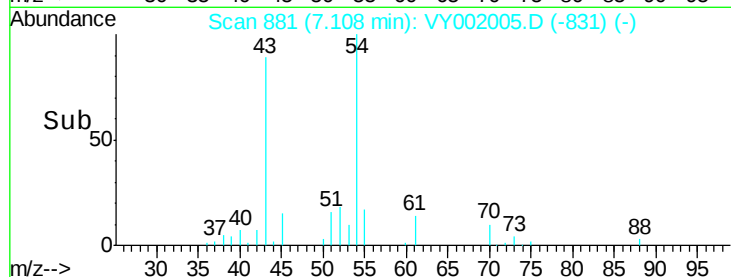
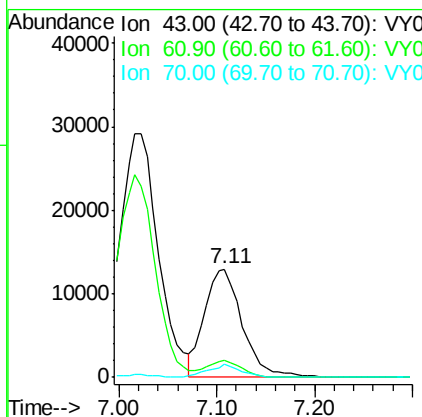
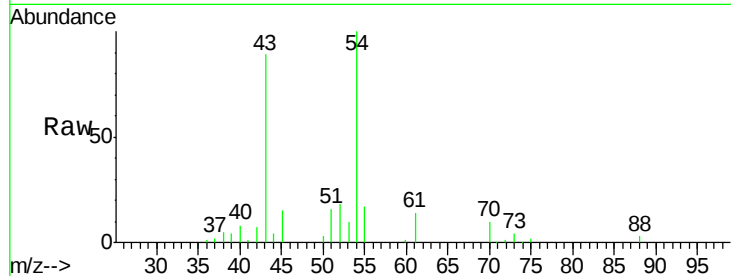
#37
Ethyl Acetate
Concen: 22.178 ug/l
RT: 7.11 min Scan# 881
Delta R.T. 0.01 min
Lab File: VY002005.D
Acq: 18 Mar 2020 11:47

Instrument :
MSVOA_Y
ClientSampleId :
VY0318SBS01

Tot Ion	43	Resp	34381
Ion Ratio	Lower	Upper	
43	100		
61	14.4	11.1	16.7
70	10.7	8.2	12.4

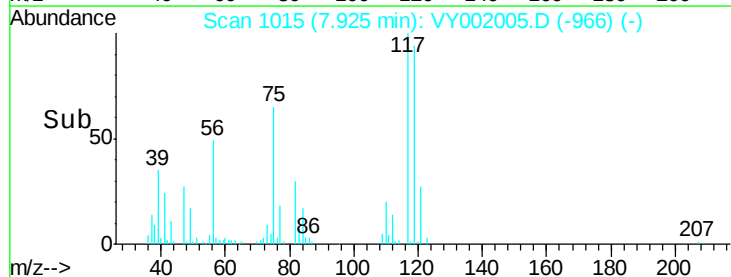
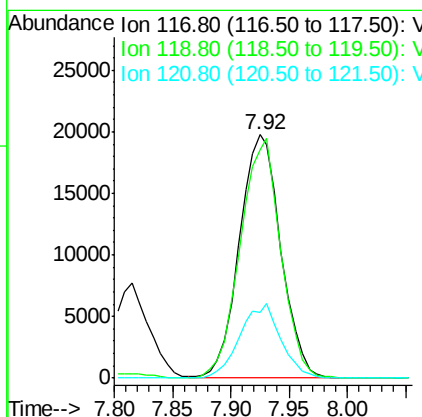
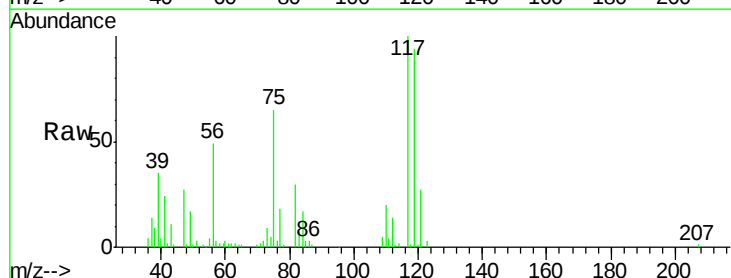
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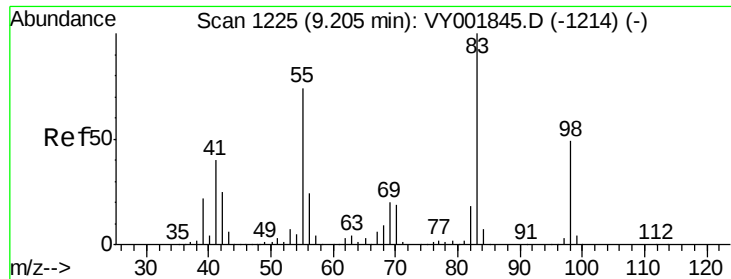
MMDadoda
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#38
Carbon Tetrachloride
Concen: 21.447 ug/l
RT: 7.92 min Scan# 1015
Delta R.T. 0.00 min
Lab File: VY002005.D
Acq: 18 Mar 2020 11:47

Tgt Ion	117	Resp	48867
Ion Ratio	Lower	Upper	
117	100		
119	93.9	76.3	114.5
121	26.8	23.5	35.3





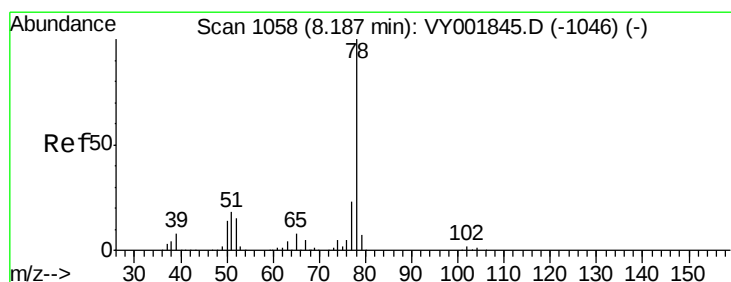
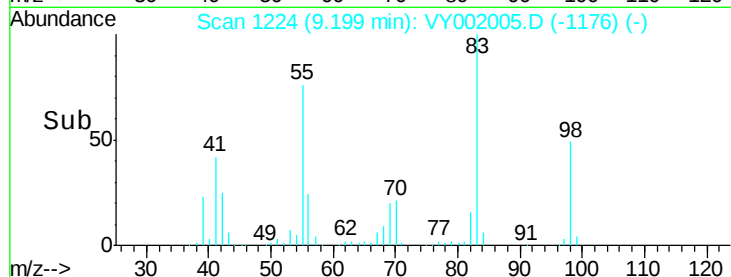
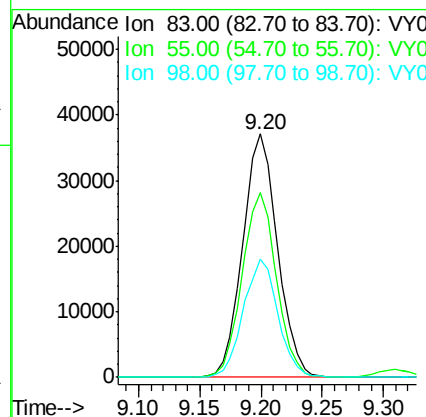
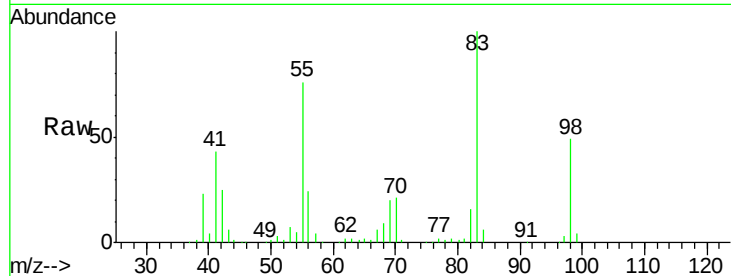
#39
Methylvlcyclohexane
Concen: 20.715 ug/l
RT: 9.20 min Scan# 1224
Delta R.T. -0.01 min
Lab File: VY002005.D
Acq: 18 Mar 2020 11:47

Instrument :
MSVOA_Y
ClientSampleId :
VY0318SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.9	59.4	89.0
98	48.6	38.9	58.3

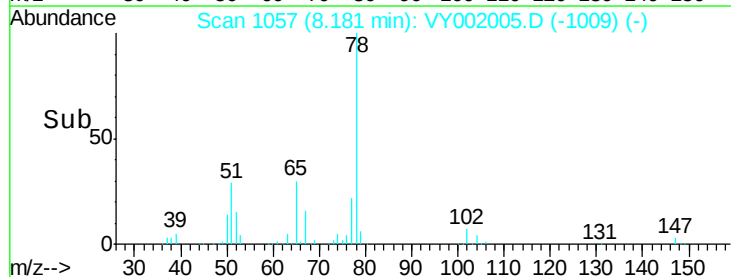
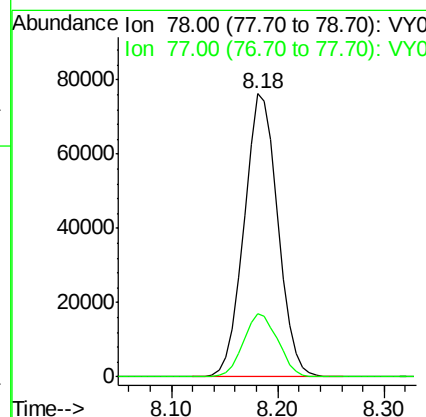
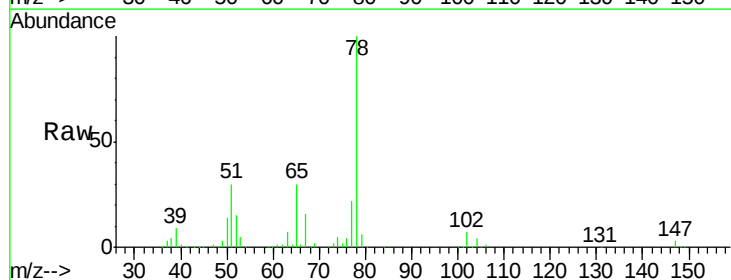
Manual Integrations
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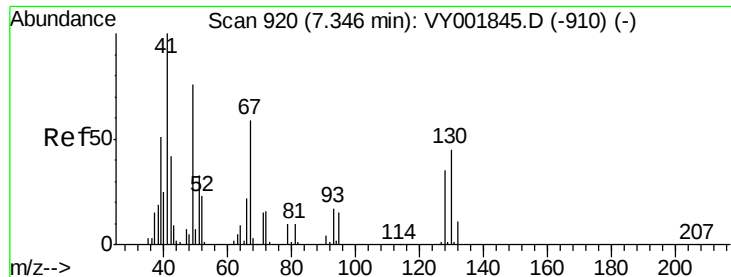
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#40
Benzene
Concen: 21.453 ug/l
RT: 8.18 min Scan# 1057
Delta R.T. -0.01 min
Lab File: VY002005.D
Acq: 18 Mar 2020 11:47

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.3	18.7	28.1





#41

Methacrylonitrile

Concen: 21.359 ug/l m

RT: 7.35 min Scan# 920

Delta R.T. 0.00 min

Lab File: VY002005.D

Acq: 18 Mar 2020 11:47

Instrument :

MSVOA_Y

ClientSampleId :

VY0318SBS01

Tot Ion: 41 Resp: 14901

Ion Ratio Lower Upper

41 100

39 83.6 111.7 167.5#

67 0.0 0.0 0.0

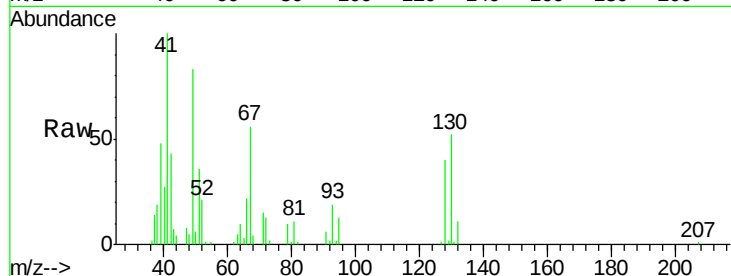
52 0.0 0.0 0.0

Manual Integrations

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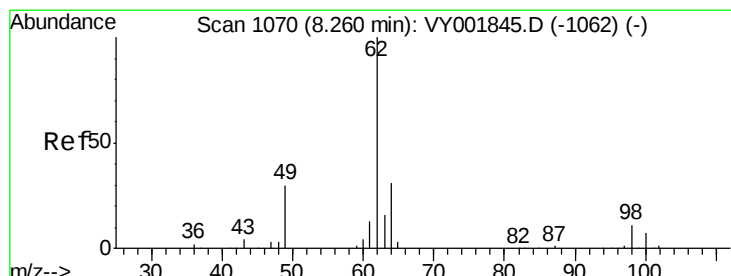
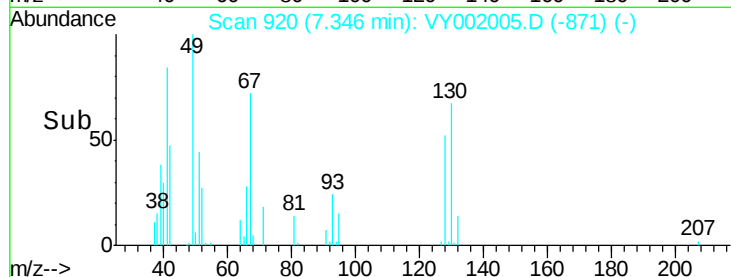
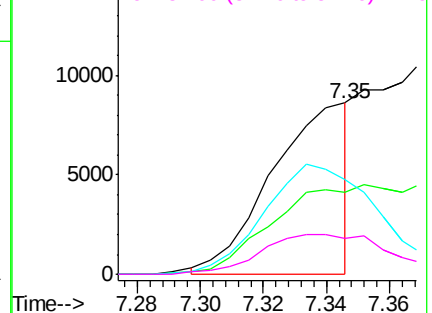


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 67.00 (66.70 to 67.70): VY0

Ion 52.00 (51.70 to 52.70): VY0



#42

1,2-Dichloroethane

Concen: 21.921 ug/l

RT: 8.26 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VY002005.D

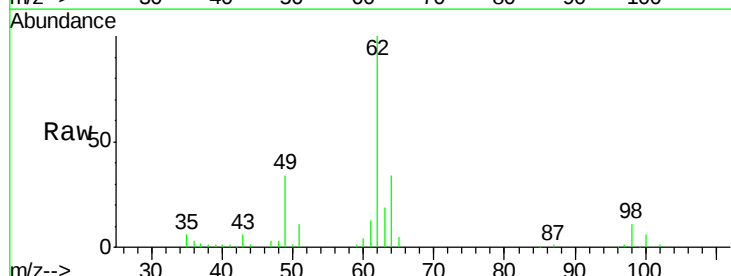
Acq: 18 Mar 2020 11:47

Tgt Ion: 62 Resp: 44656

Ion Ratio Lower Upper

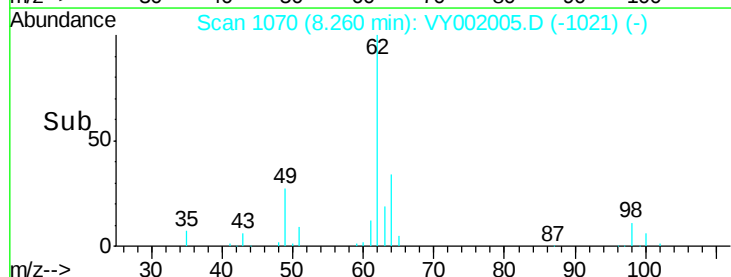
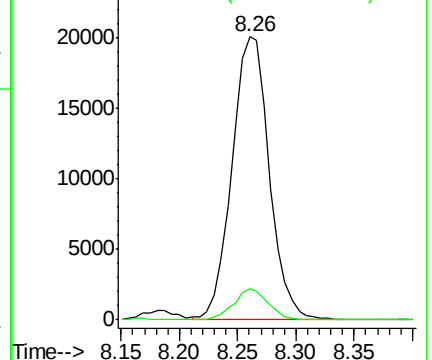
62 100

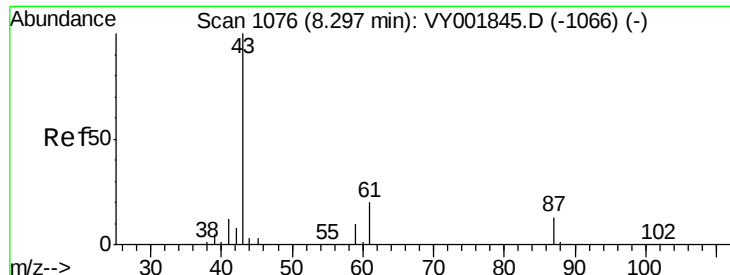
98 10.2 0.0 21.4



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 97.90 (97.60 to 98.60): VY0





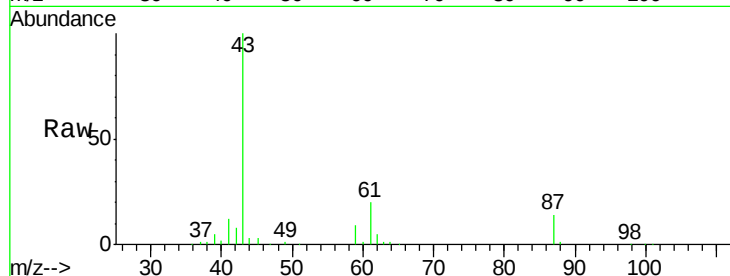
#43
Isopropyl Acetate
Concen: 21.969 ug/l
RT: 8.30 min Scan# 1076
Delta R.T. 0.00 min
Lab File: VY002005.D
Acq: 18 Mar 2020 11:47

Instrument :
MSVOA_Y
ClientSampleId :
VY0318SBS01

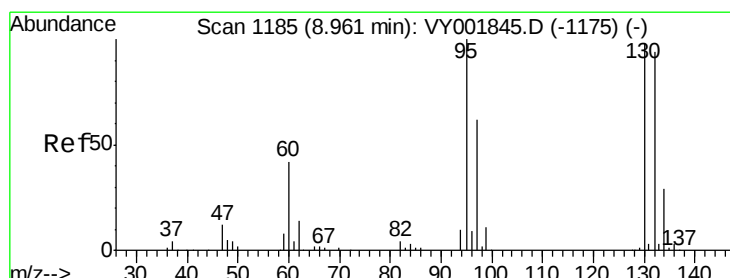
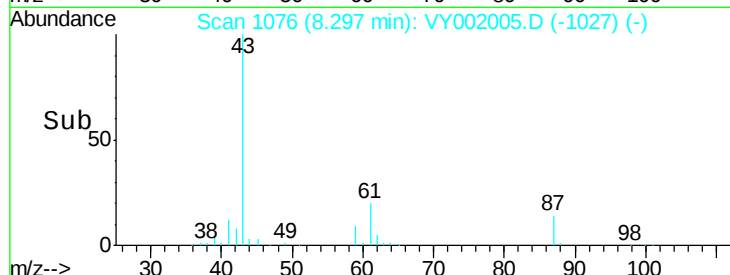
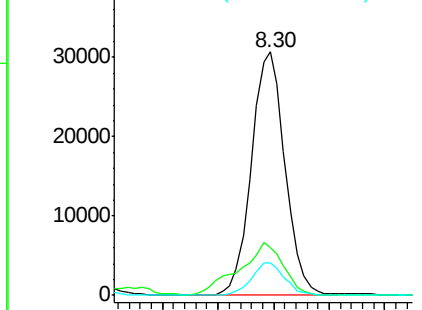
Tot Ion	Ratio	Lower	Upper
43	100		
61	28.7	23.8	35.6
87	13.2	10.9	16.3

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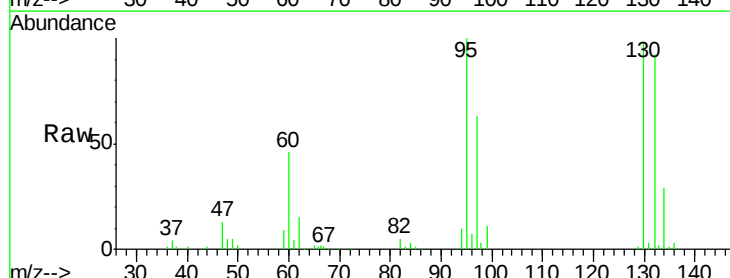


Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 61.00 (60.70 to 61.70): VY0
Ion 87.00 (86.70 to 87.70): VY0

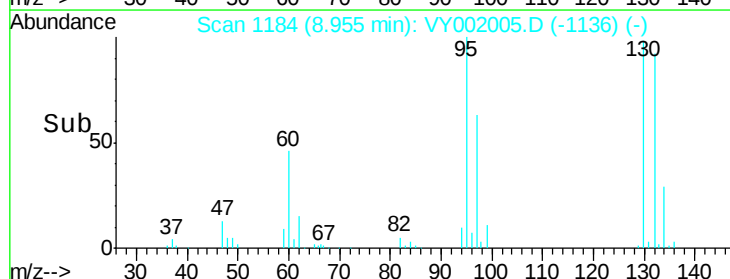
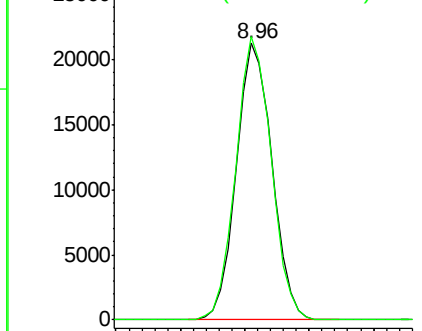


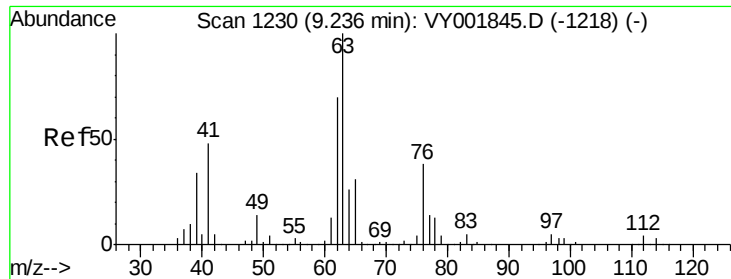
#44
Trichloroethene
Concen: 21.190 ug/l
RT: 8.96 min Scan# 1184
Delta R.T. -0.01 min
Lab File: VY002005.D
Acq: 18 Mar 2020 11:47

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.2	0.0	204.6



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VY0





#45

1,2-Dichloropropane

Concen: 21.990 ug/l

RT: 9.24 min Scan# 1230

Delta R.T. 0.00 min

Lab File: VY002005.D

Acq: 18 Mar 2020 11:47

Instrument :

MSVOA_Y

ClientSampleId :

VY0318SBS01

Tot Ion: 63 Resp: 43702

Ion Ratio Lower Upper

63 100

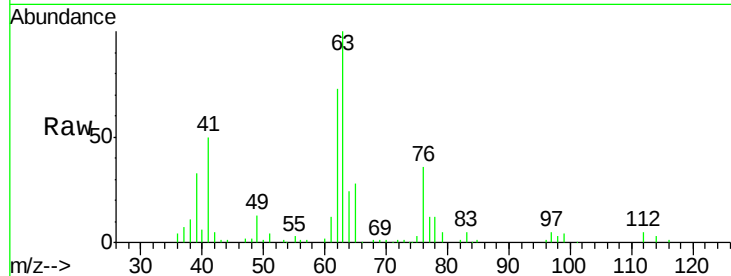
65 28.4 24.9 37.3

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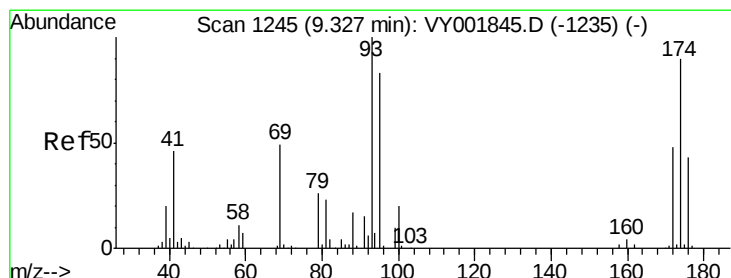
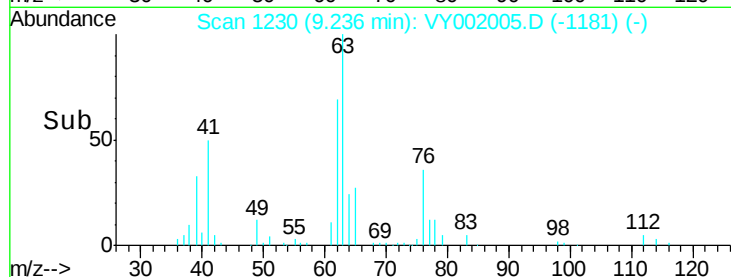
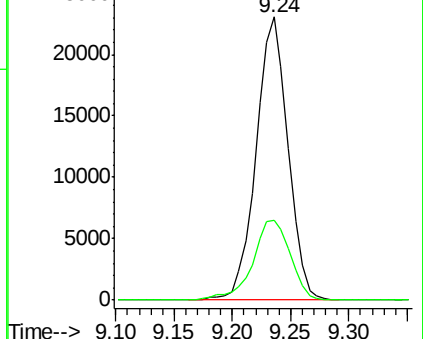
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Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 64.90 (64.60 to 65.60): VY0



#46

Dibromomethane

Concen: 21.512 ug/l

RT: 9.32 min Scan# 1244

Delta R.T. -0.01 min

Lab File: VY002005.D

Acq: 18 Mar 2020 11:47

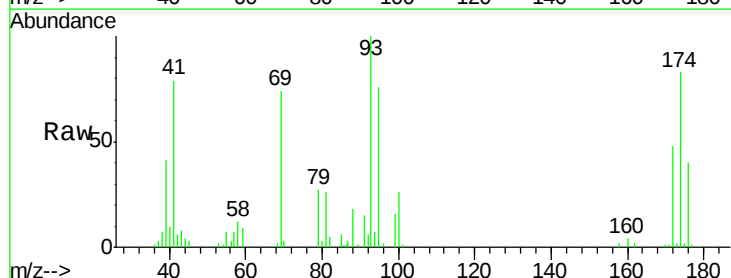
Tgt Ion: 93 Resp: 22031

Ion Ratio Lower Upper

93 100

95 82.4 67.0 100.4

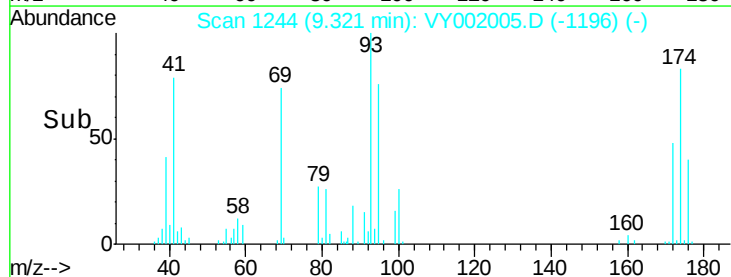
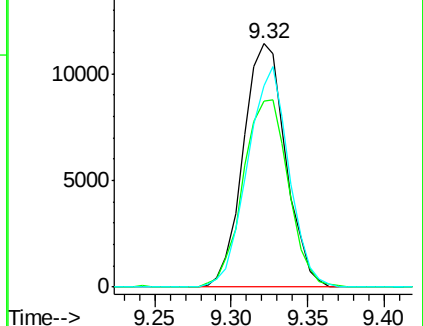
174 88.4 71.8 107.8

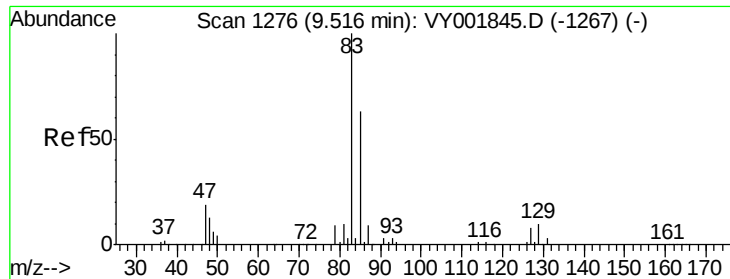


Abundance Ion 92.80 (92.50 to 93.50): VY0

Ion 94.80 (94.50 to 95.50): VY0

Ion 173.70 (173.40 to 174.40): VY0





#47

Bromodichloromethane

Concen: 21.809 ug/l

RT: 9.52 min Scan# 1276

Delta R.T. 0.00 min

Lab File: VY002005.D

Acq: 18 Mar 2020 11:47

Instrument :

MSVOA_Y

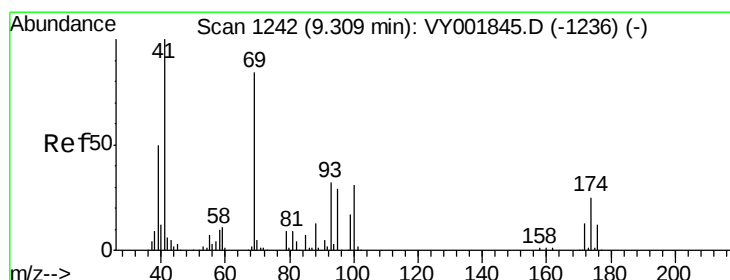
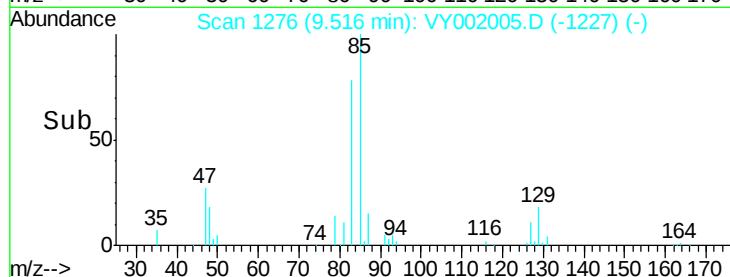
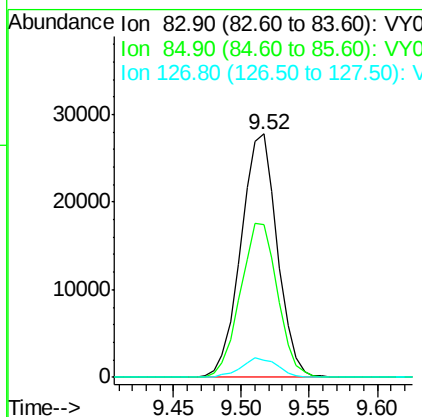
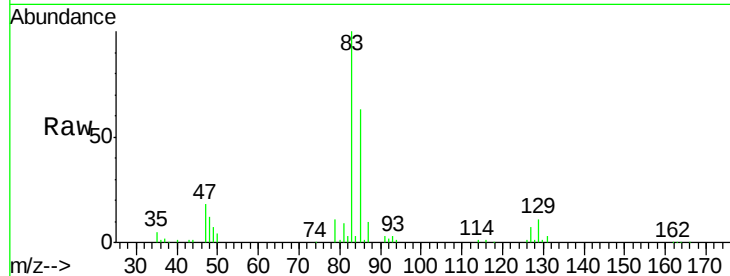
ClientSampleId :

VY0318SBS01

Tot Ion:	83	Resp:	51957
Ion Ratio	Lower	Upper	
83	100		
85	63.0	50.6	76.0
127	6.8	6.2	9.4

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#48

Methyl methacrylate

Concen: 21.282 ug/l

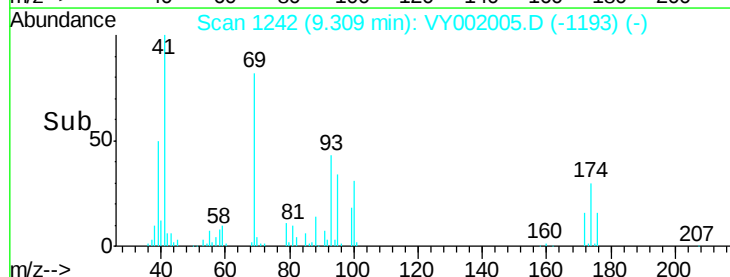
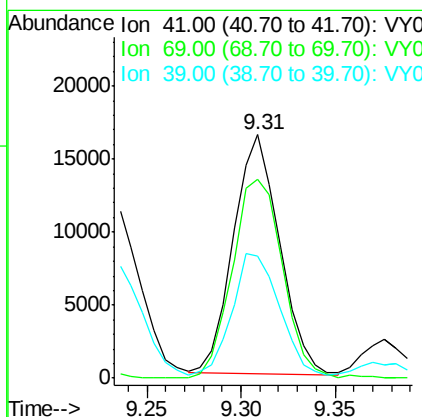
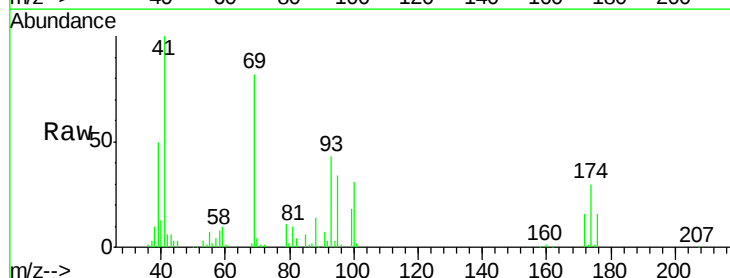
RT: 9.31 min Scan# 1242

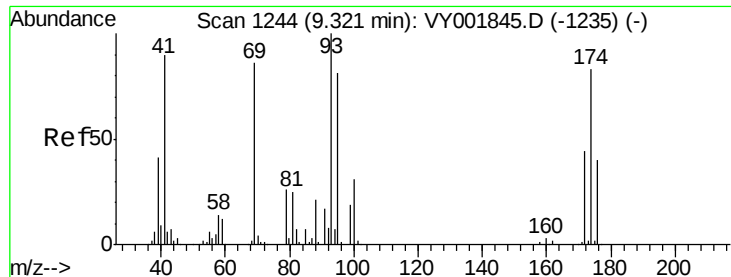
Delta R.T. 0.00 min

Lab File: VY002005.D

Acq: 18 Mar 2020 11:47

Tgt Ion:	41	Resp:	27716
Ion Ratio	Lower	Upper	
41	100		
69	91.7	69.0	103.6
39	52.9	39.1	58.7





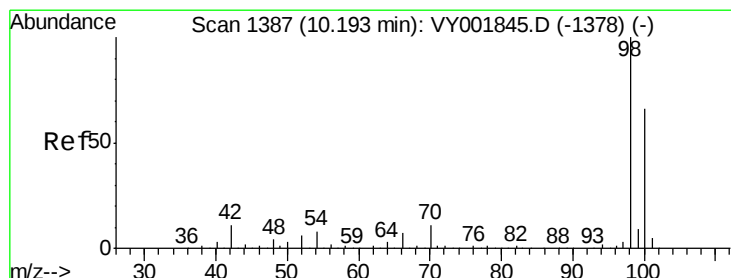
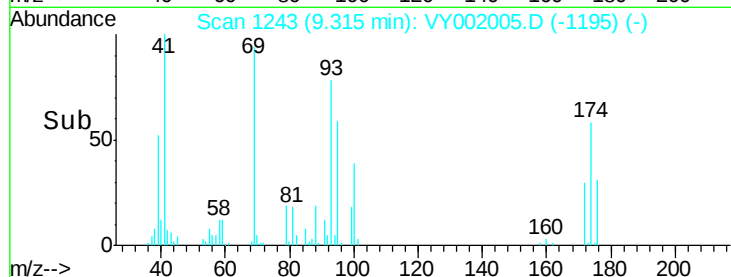
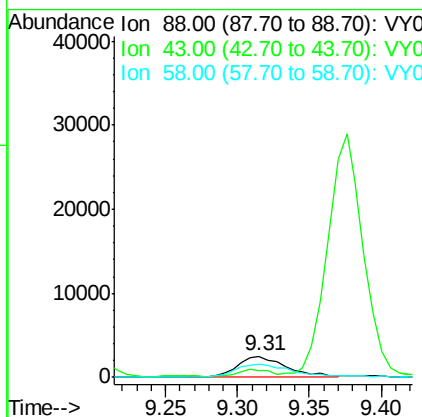
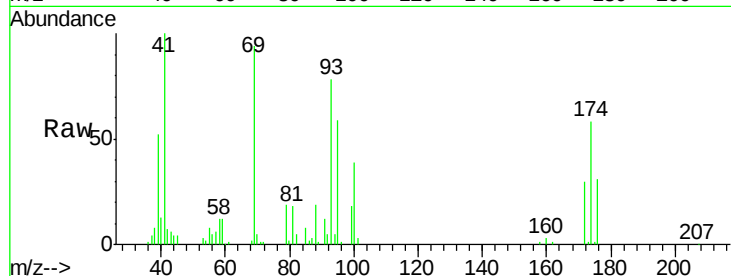
#49
1,4-Dioxane
Concen: 423.640 ug/l
RT: 9.31 min Scan# 1243
Delta R.T. -0.01 min
Lab File: VY002005.D
Acq: 18 Mar 2020 11:47

Instrument :
MSVOA_Y
ClientSampleId :
VY0318SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	25.0	37.6#
58	72.0	58.9	88.3

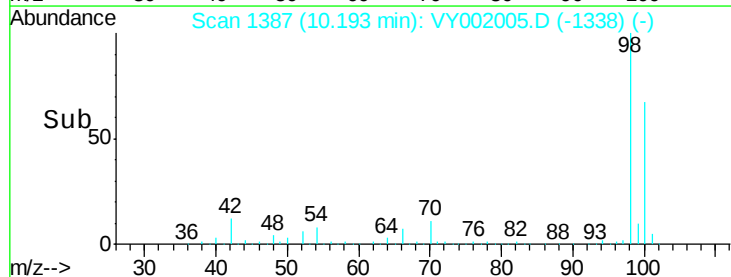
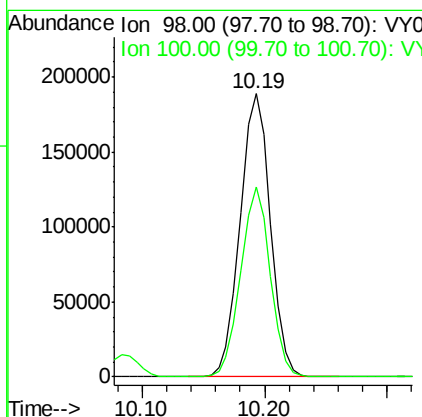
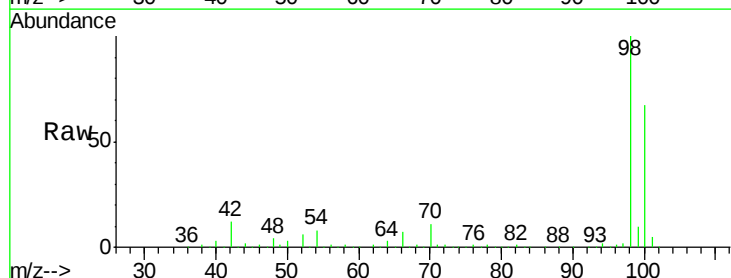
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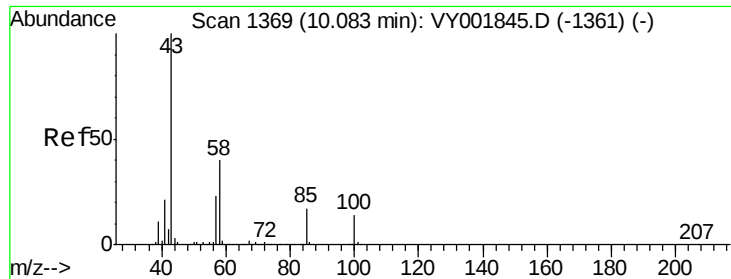
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#50
Toluene-d8
Concen: 50.603 ug/l
RT: 10.19 min Scan# 1387
Delta R.T. 0.00 min
Lab File: VY002005.D
Acq: 18 Mar 2020 11:47

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.5	53.0	79.4





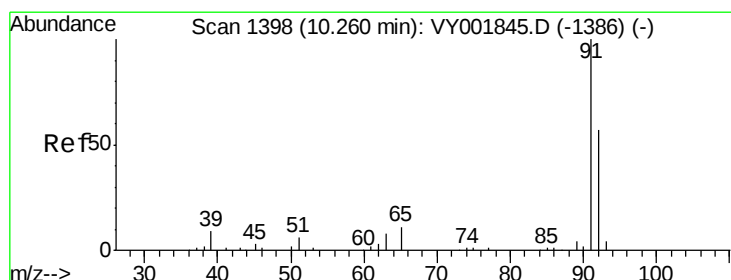
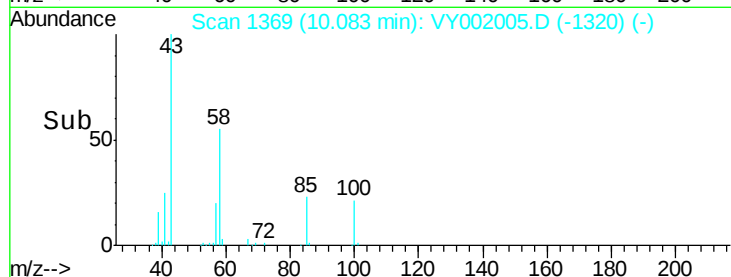
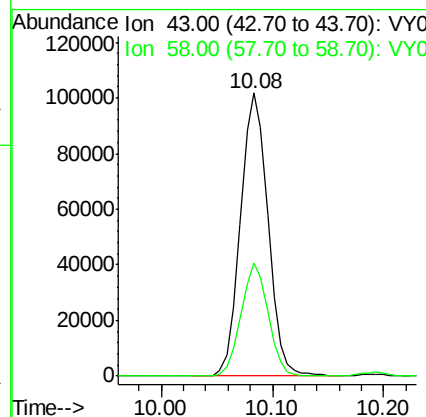
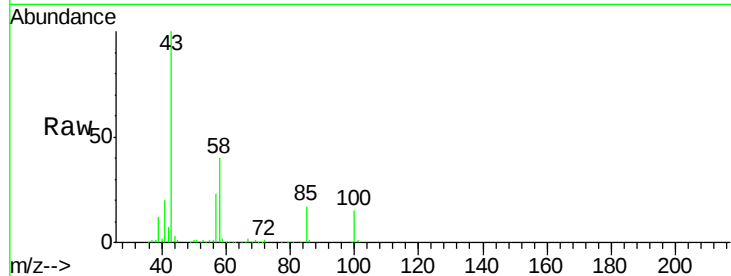
#51
4-Methyl-2-Pentanone
Concen: 115.246 ug/l
RT: 10.08 min Scan# 1369
Delta R.T. 0.00 min
Lab File: VY002005.D
Acq: 18 Mar 2020 11:47

Instrument :
MSVOA_Y
ClientSampleId :
VY0318SBS01

Tot Ion: 43 Resp: 174220
Ion Ratio Lower Upper
43 100
58 39.3 32.0 48.0

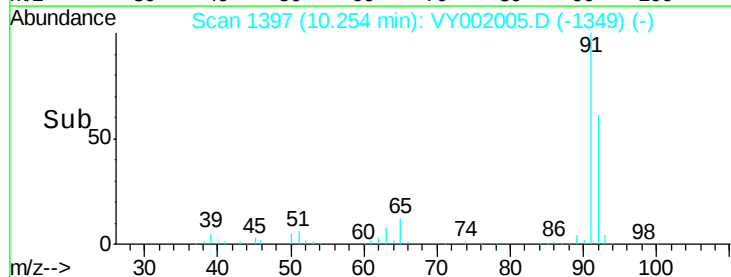
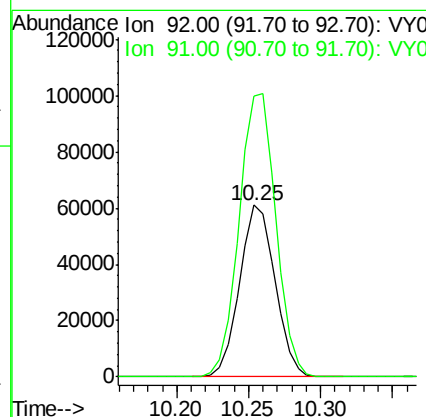
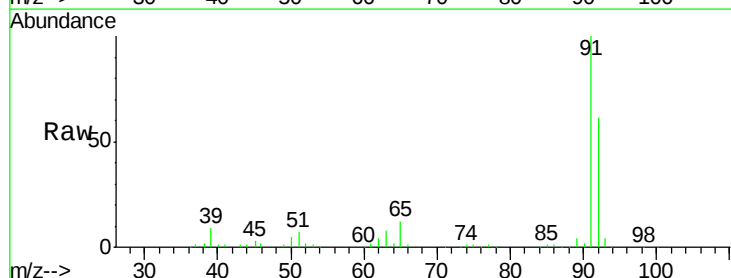
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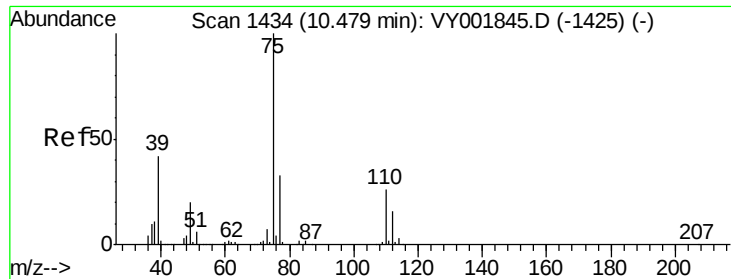
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#52
Toluene
Concen: 21.710 ug/l
RT: 10.25 min Scan# 1397
Delta R.T. -0.01 min
Lab File: VY002005.D
Acq: 18 Mar 2020 11:47

Tgt Ion: 92 Resp: 104262
Ion Ratio Lower Upper
92 100
91 171.0 138.6 208.0





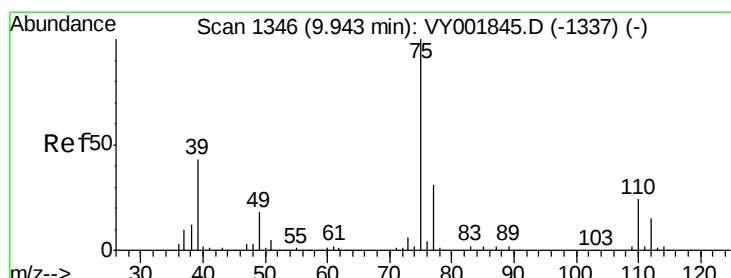
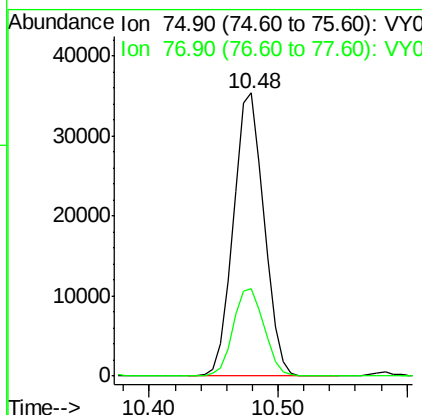
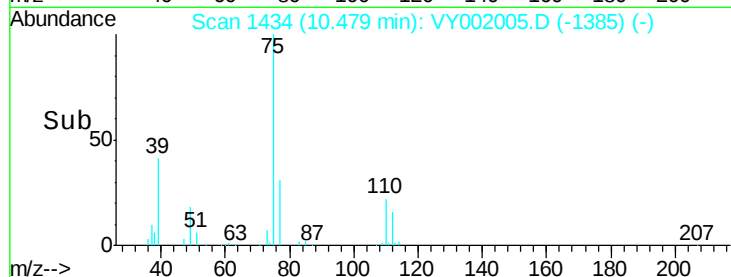
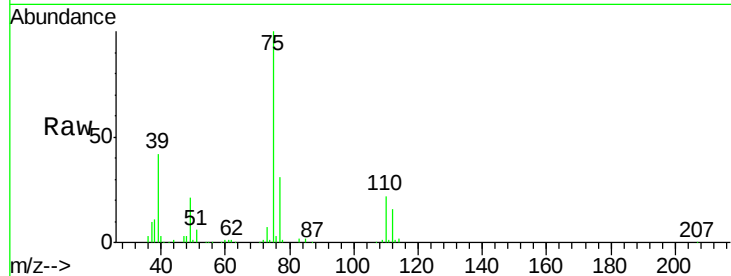
#53
t-1,3-Dichloropropene
Concen: 22.503 ug/l
RT: 10.48 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VY002005.D
Acq: 18 Mar 2020 11:47

Instrument :
MSVOA_Y
ClientSampleId :
VY0318SBS01

Tot Ion: 75 Resp: 58407
Ion Ratio Lower Upper
75 100
77 30.8 26.3 39.5

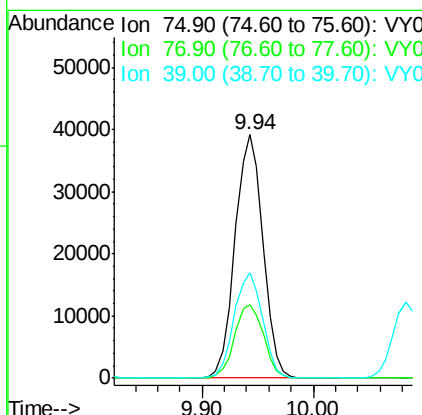
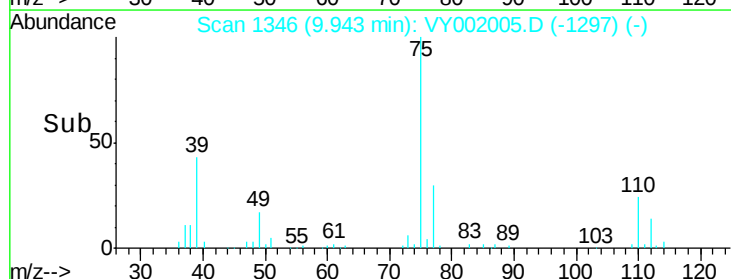
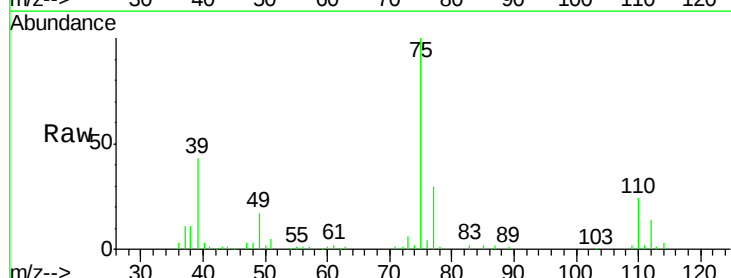
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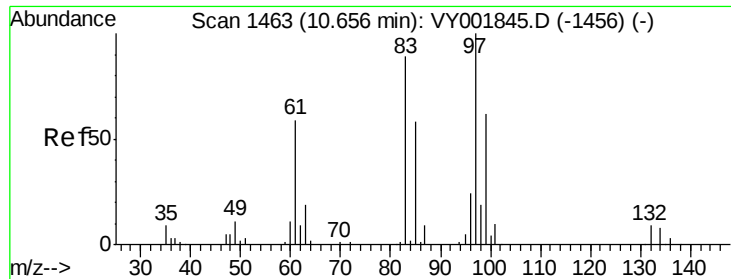
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#54
cis-1,3-Dichloropropene
Concen: 21.958 ug/l
RT: 9.94 min Scan# 1346
Delta R.T. 0.00 min
Lab File: VY002005.D
Acq: 18 Mar 2020 11:47

Tgt Ion: 75 Resp: 67847
Ion Ratio Lower Upper
75 100
77 30.4 25.1 37.7
39 43.1 34.7 52.1





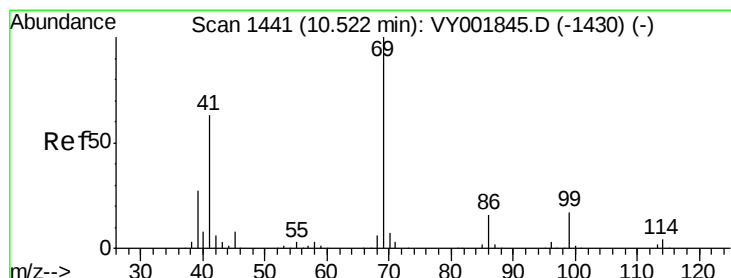
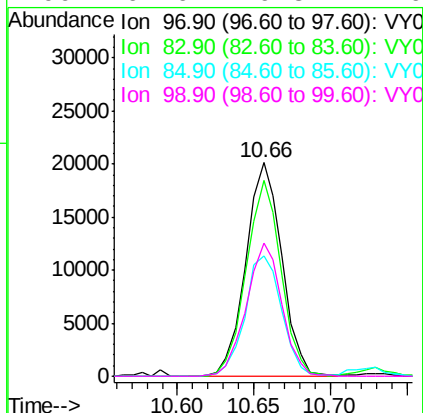
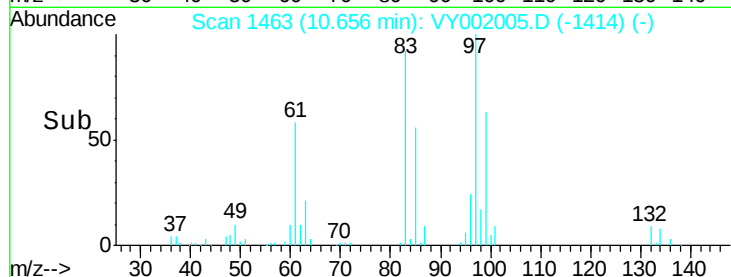
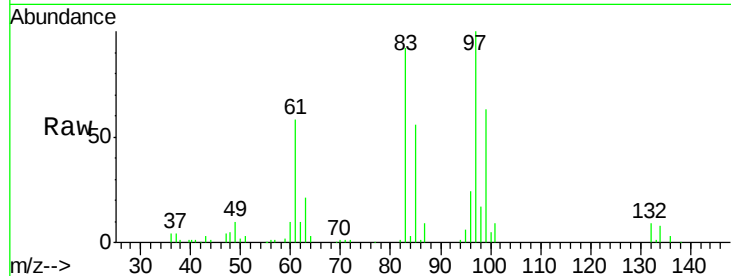
#55
 1,1,2-Trichloroethane
 Concen: 22.015 ug/l
 RT: 10.66 min Scan# 1463
 Delta R.T. 0.00 min
 Lab File: VY002005.D
 Acq: 18 Mar 2020 11:47

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0318SBS01

Tot Ion:	97	Resp:	32996
Ion	Ratio	Lower	Upper
97	100		
83	91.7	71.6	107.4
85	56.2	46.6	69.8
99	62.6	49.8	74.6

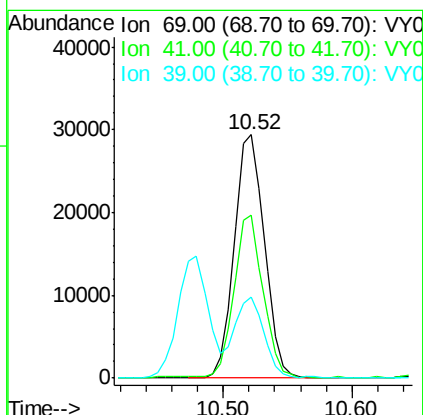
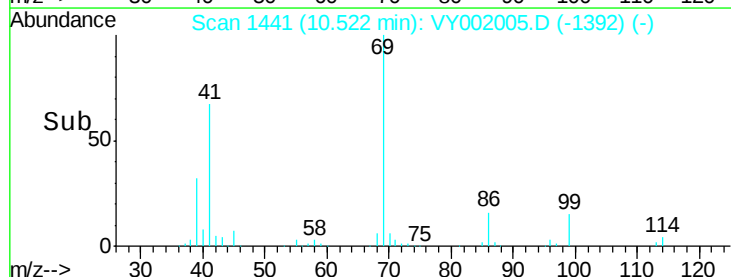
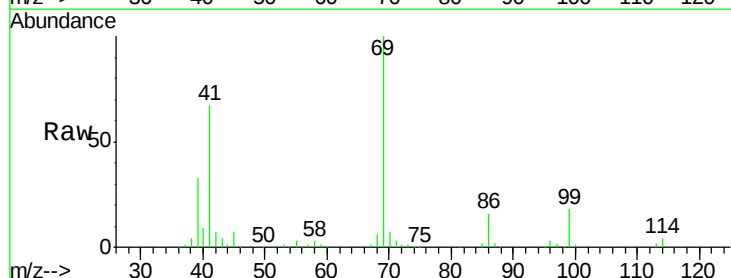
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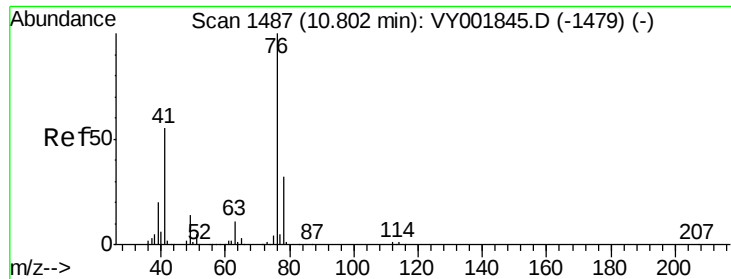
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#56
 Ethyl methacrylate
 Concen: 21.779 ug/l
 RT: 10.52 min Scan# 1441
 Delta R.T. 0.00 min
 Lab File: VY002005.D
 Acq: 18 Mar 2020 11:47

Tgt Ion:	69	Resp:	47846
Ion	Ratio	Lower	Upper
69	100		
41	66.0	49.9	74.9
39	33.1	23.0	34.6





#57

1,3-Dichloropropane

Concen: 22.136 ug/l

RT: 10.80 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VY002005.D

Acq: 18 Mar 2020 11:47

Instrument :

MSVOA_Y

ClientSampleId :

VY0318SBS01

Tot Ion: 76 Resp: 59140

Ion Ratio Lower Upper

76 100

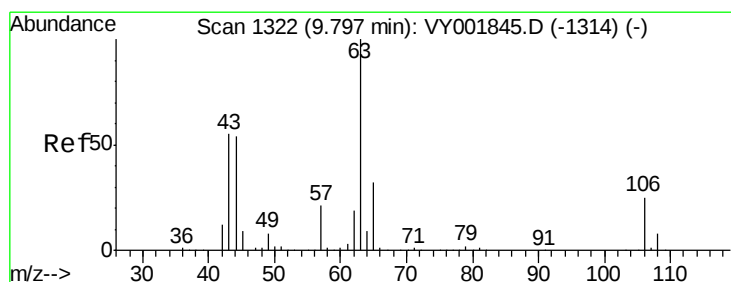
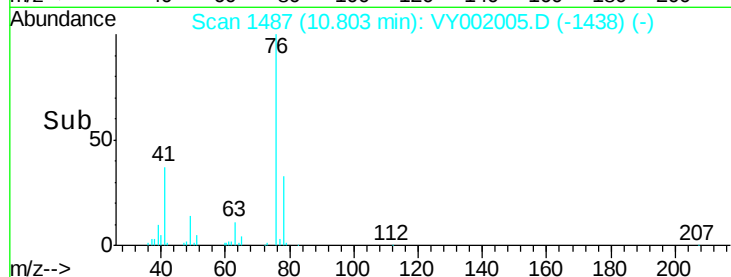
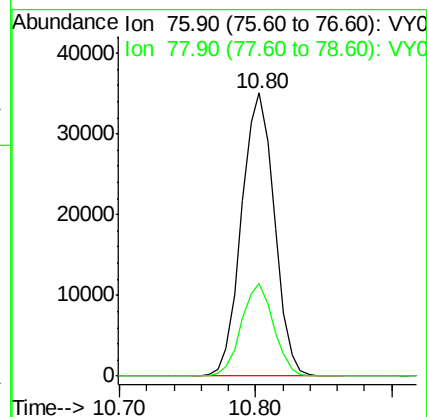
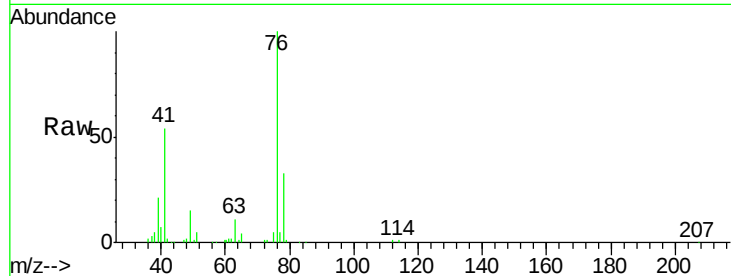
78 32.0 25.8 38.6

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#58

2-Chloroethyl Vinyl ether

Concen: 149.834 ug/l

RT: 9.80 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VY002005.D

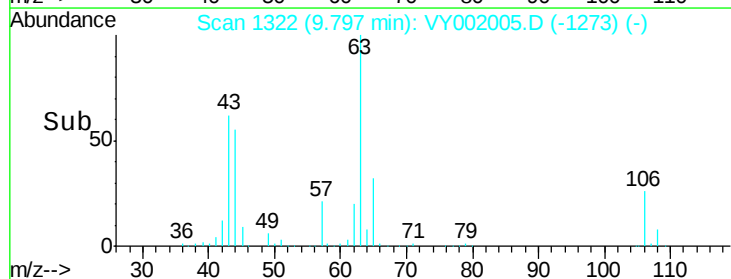
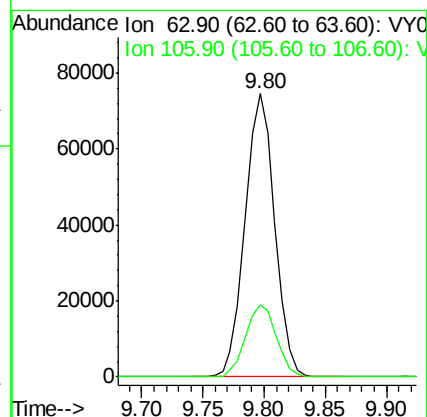
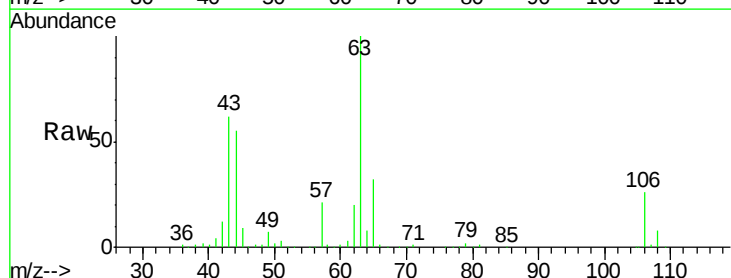
Acq: 18 Mar 2020 11:47

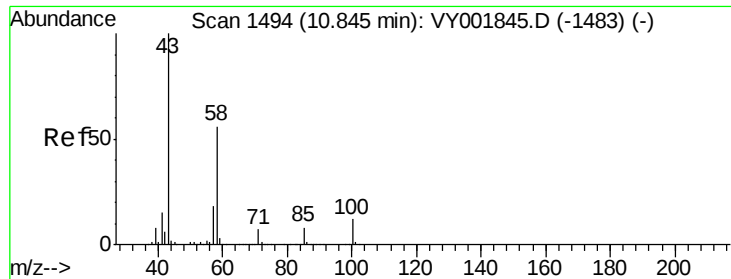
Tgt Ion: 63 Resp: 124961

Ion Ratio Lower Upper

63 100

106 26.5 21.3 31.9





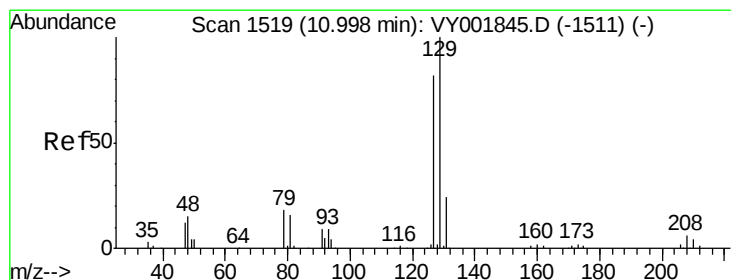
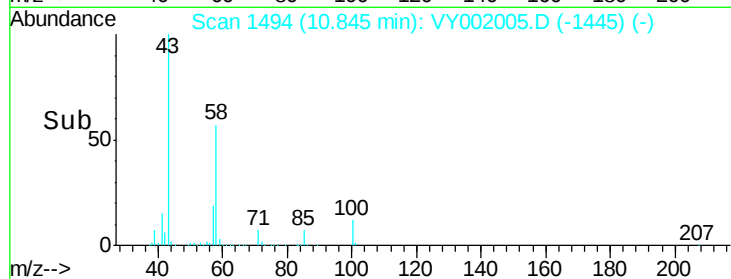
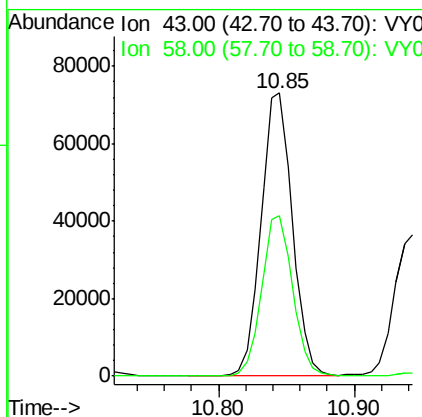
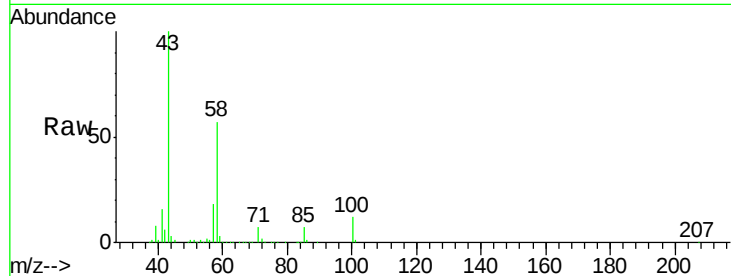
#59
2-Hexanone
Concen: 109.625 ug/l
RT: 10.85 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VY002005.D
Acq: 18 Mar 2020 11:47

Instrument :
MSVOA_Y
ClientSampleId :
VY0318SBS01

Tot Ion: 43 Resp: 118285
Ion Ratio Lower Upper
43 100
58 56.3 28.1 84.3

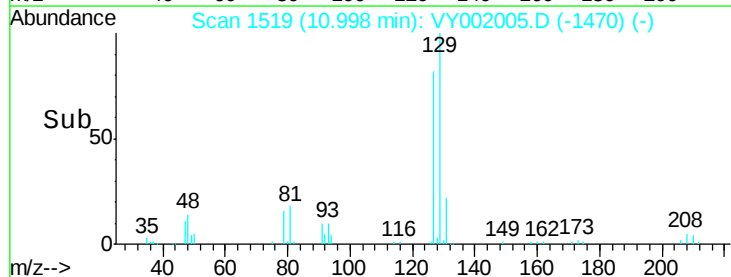
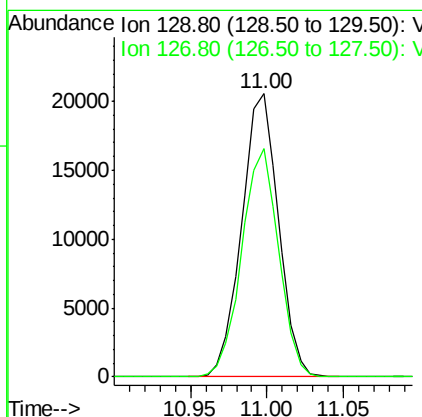
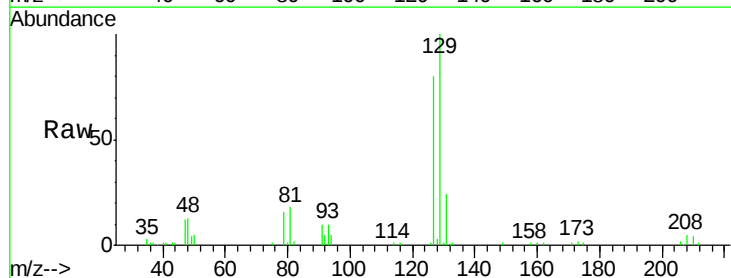
Manual Integrations
APPROVED

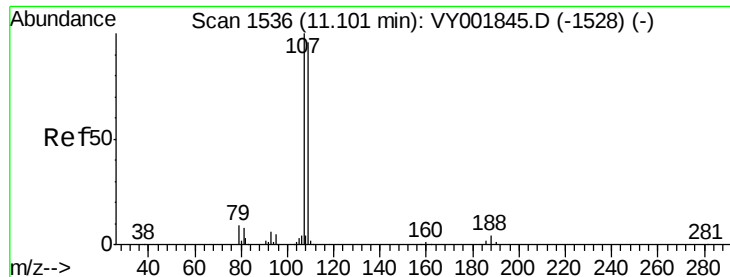
MMDadoda
3/19/2020 11:59:36 AM



#60
Dibromochloromethane
Concen: 21.793 ug/l
RT: 11.00 min Scan# 1519
Delta R.T. 0.00 min
Lab File: VY002005.D
Acq: 18 Mar 2020 11:47

Tgt Ion: 129 Resp: 34419
Ion Ratio Lower Upper
129 100
127 80.7 39.0 117.0





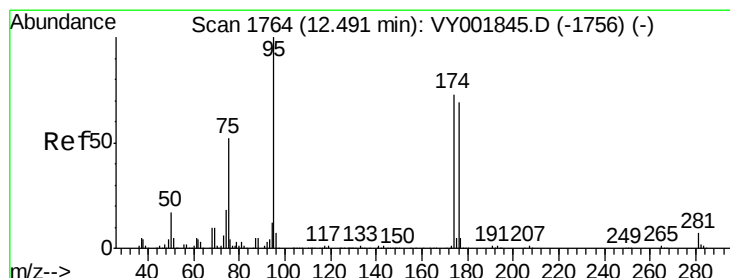
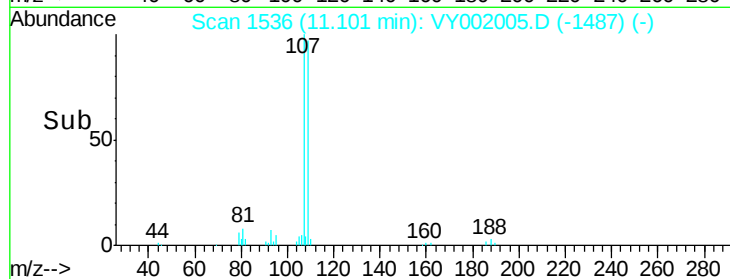
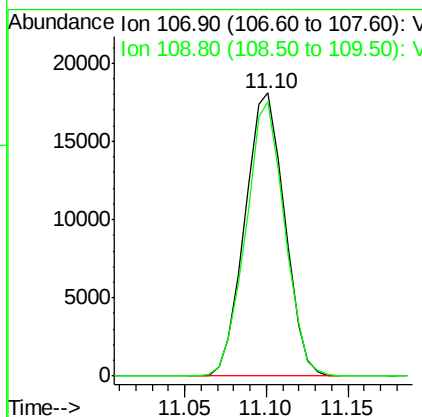
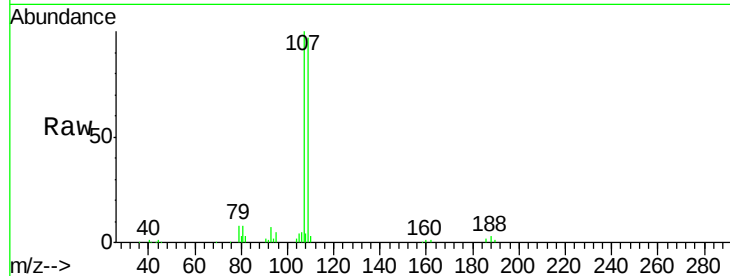
#61
 1,2-Dibromoethane
 Concen: 21.662 ug/l
 RT: 11.10 min Scan# 1536
 Delta R.T. 0.00 min
 Lab File: VY002005.D
 Acq: 18 Mar 2020 11:47

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0318SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.7	75.4	113.0

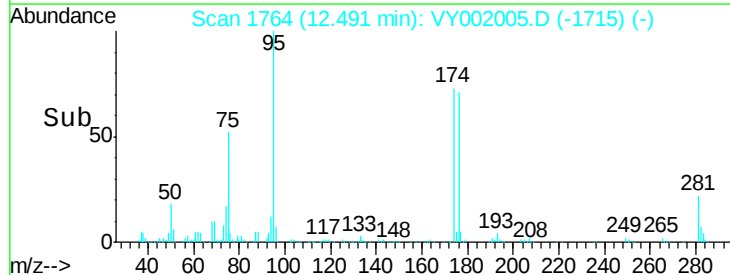
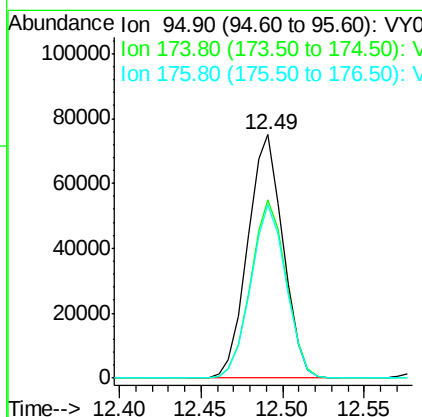
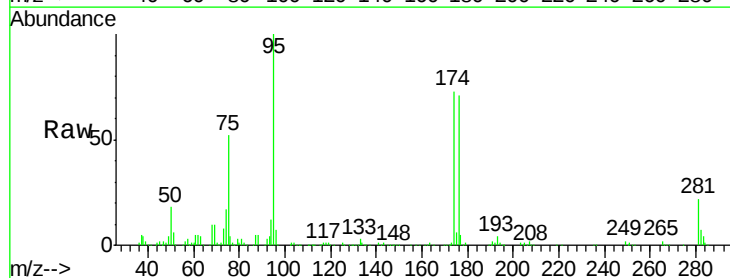
Manual Integrations
 APPROVED

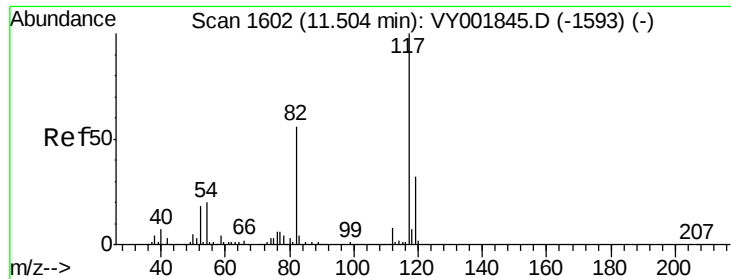
MMDadoda
 3/19/2020 11:59:36 AM



#62
 4-Bromofluorobenzene
 Concen: 51.051 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. 0.00 min
 Lab File: VY002005.D
 Acq: 18 Mar 2020 11:47

Tgt Ion	Ratio	Lower	Upper
95	100		
174	73.6	0.0	145.0
176	71.0	0.0	137.4





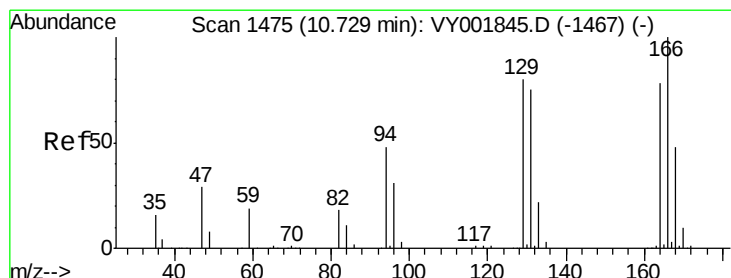
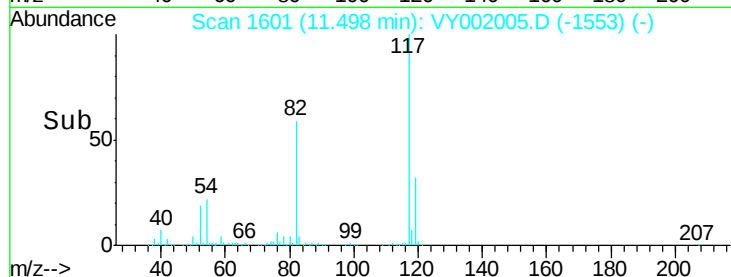
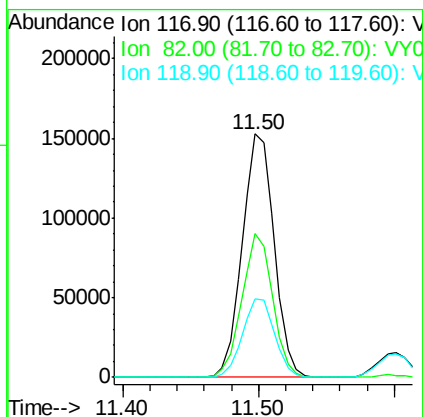
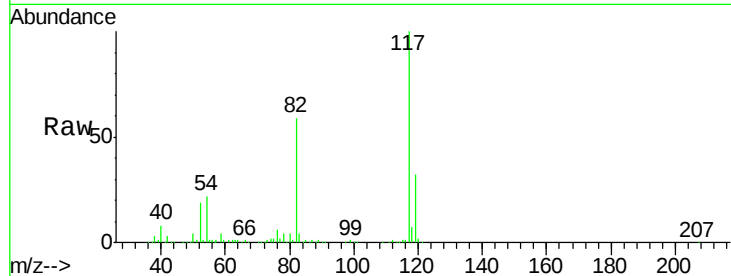
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: VY002005.D
Acq: 18 Mar 2020 11:47

Instrument :
MSVOA_Y
ClientSampleId :
VY0318SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	250051		
82	58.8		44.5	66.7
119	32.0		25.7	38.5

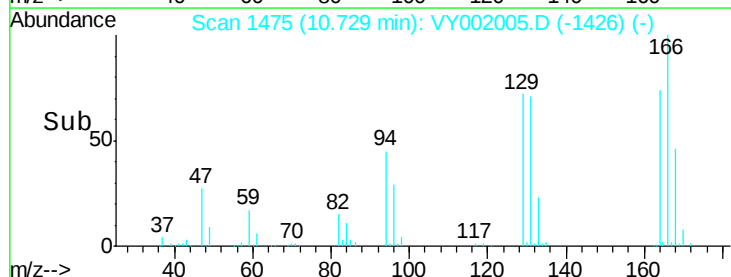
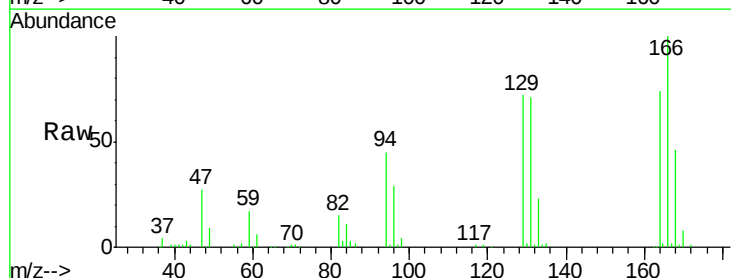
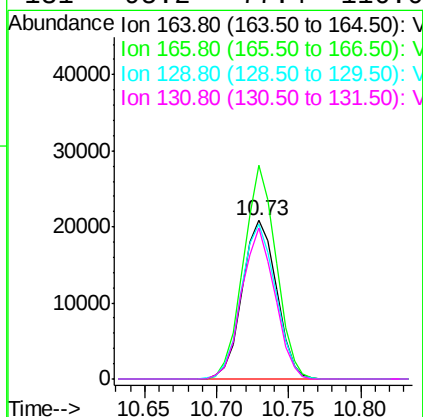
Manual Integrations
APPROVED

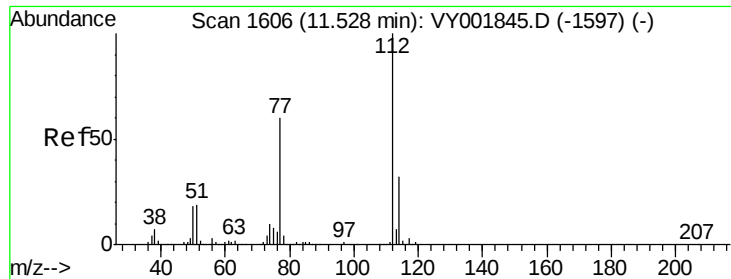
MMDadoda
3/19/2020 11:59:36 AM



#64
Tetrachloroethene
Concen: 21.875 ug/l
RT: 10.73 min Scan# 1475
Delta R.T. 0.00 min
Lab File: VY002005.D
Acq: 18 Mar 2020 11:47

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	34302		
166	134.8		102.6	154.0
129	97.4		82.3	123.5
131	95.2		77.4	116.0





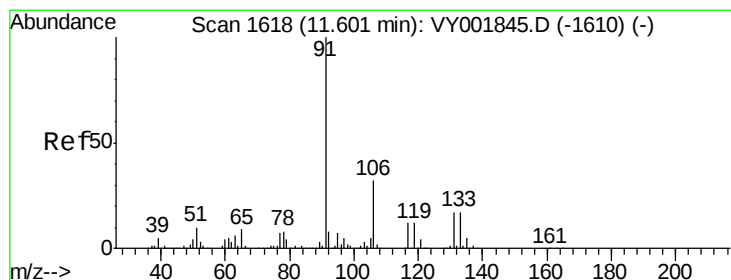
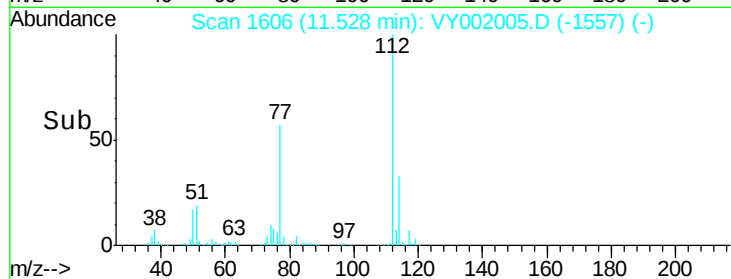
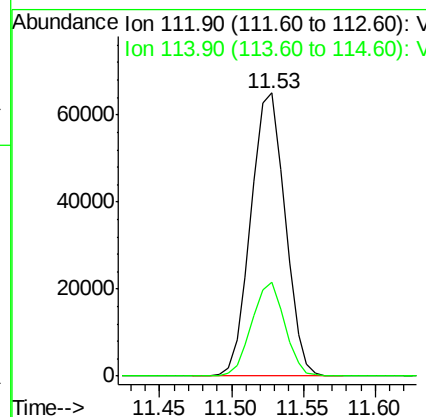
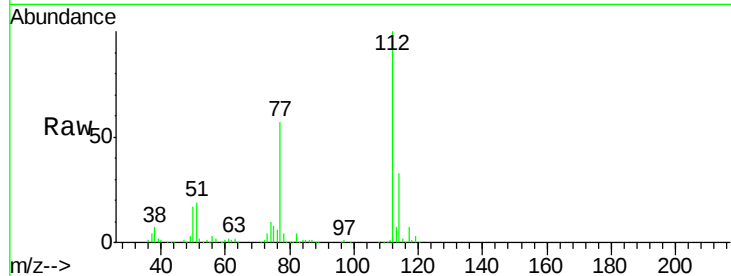
#65
Chlorobenzene
Concen: 21.474 ug/l
RT: 11.53 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VY002005.D
Acq: 18 Mar 2020 11:47

Instrument :
MSVOA_Y
ClientSampleId :
VY0318SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.0	25.9	38.9

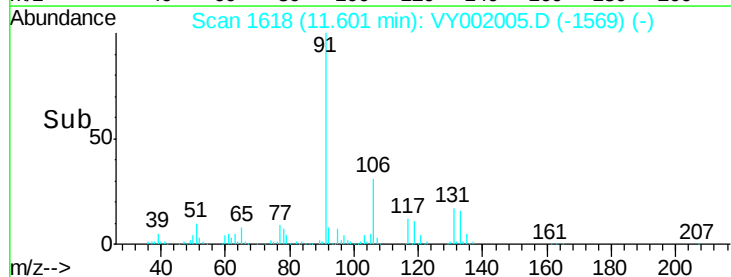
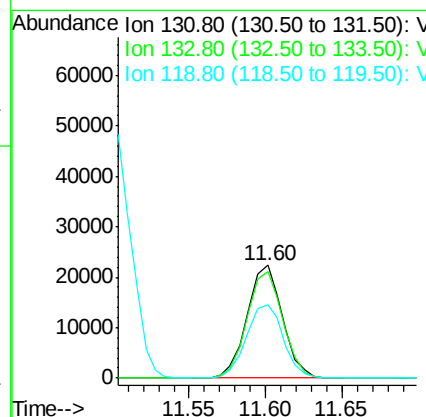
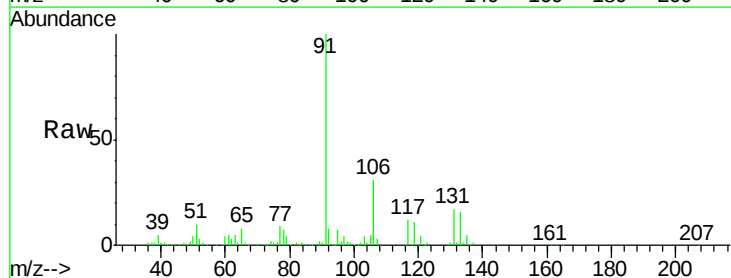
Manual Integrations
APPROVED

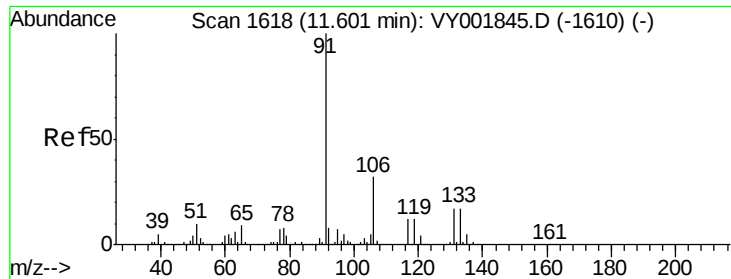
MMDadoda
3/19/2020 11:59:36 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.993 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VY002005.D
Acq: 18 Mar 2020 11:47

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.6	47.1	141.3
119	67.9	34.5	103.6





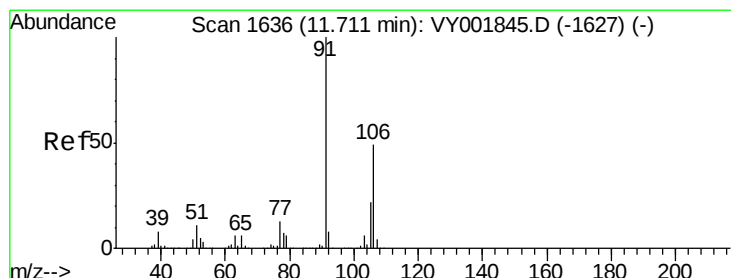
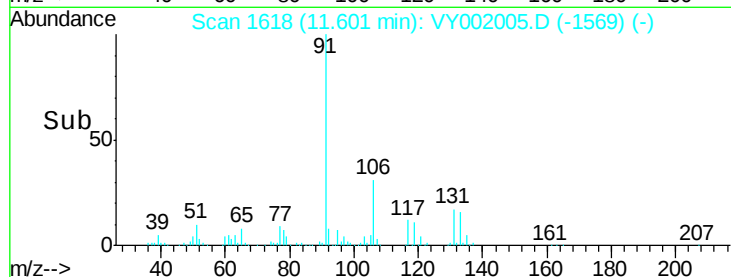
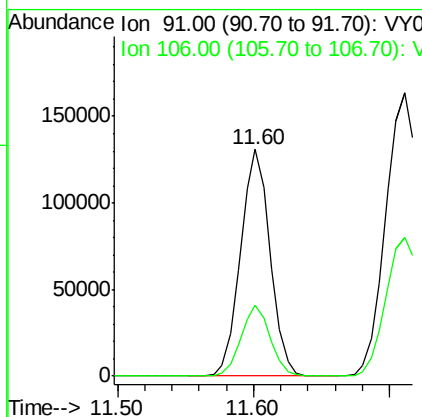
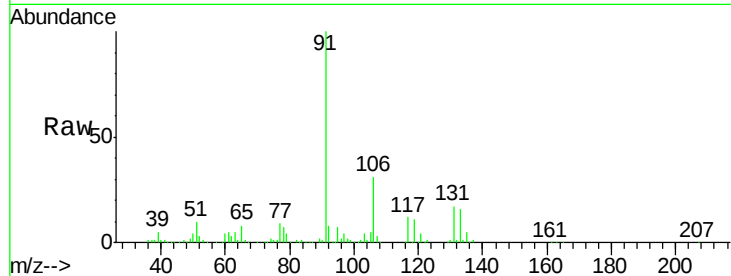
#67
Ethyl Benzene
Concen: 21.296 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VY002005.D
Acq: 18 Mar 2020 11:47

Instrument :
MSVOA_Y
ClientSampleId :
VY0318SBS01

Tot Ion: 91 Resp: 197885
Ion Ratio Lower Upper
91 100
106 31.1 25.4 38.2

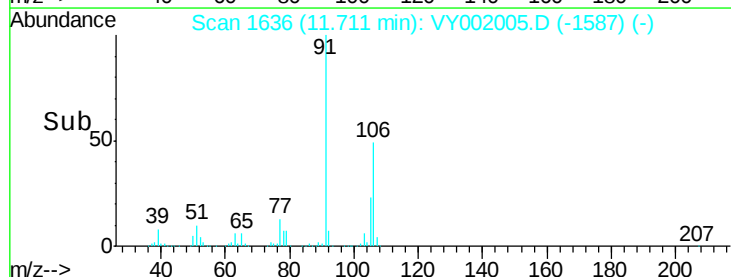
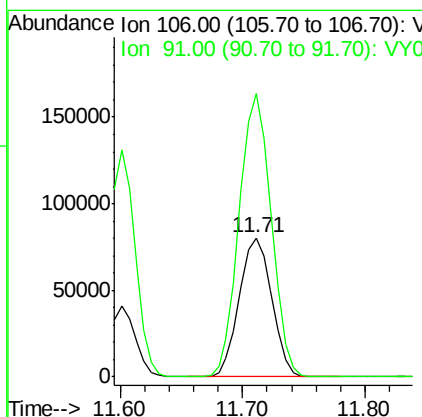
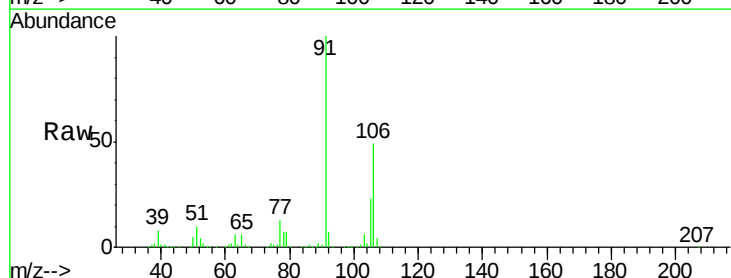
Manual Integrations
APPROVED

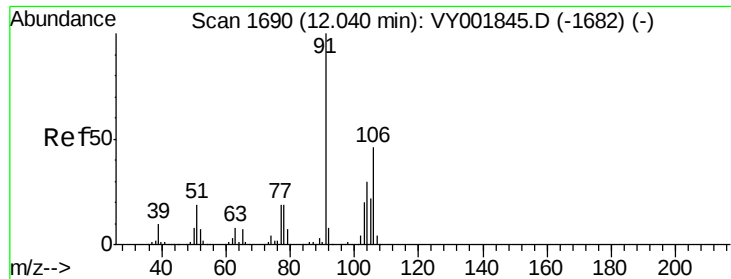
MMDadoda
3/19/2020 11:59:36 AM



#68
m/p-Xylenes
Concen: 43.227 ug/l
RT: 11.71 min Scan# 1636
Delta R.T. 0.00 min
Lab File: VY002005.D
Acq: 18 Mar 2020 11:47

Tgt Ion: 106 Resp: 148500
Ion Ratio Lower Upper
106 100
91 201.0 161.3 241.9





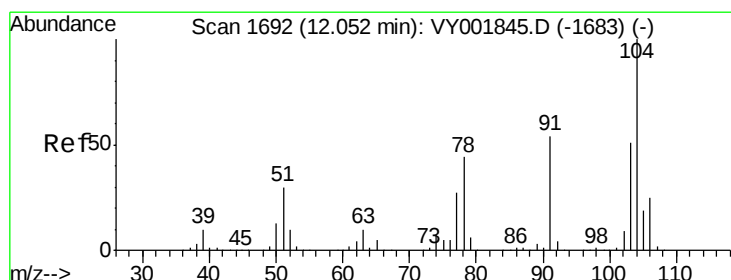
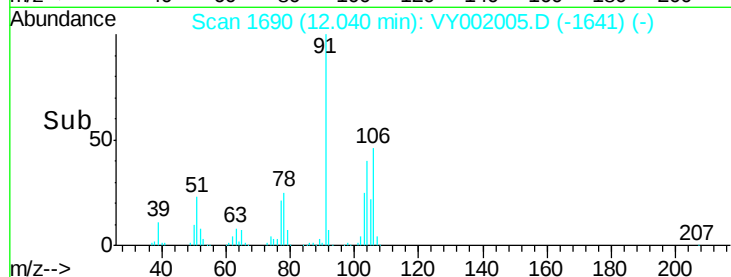
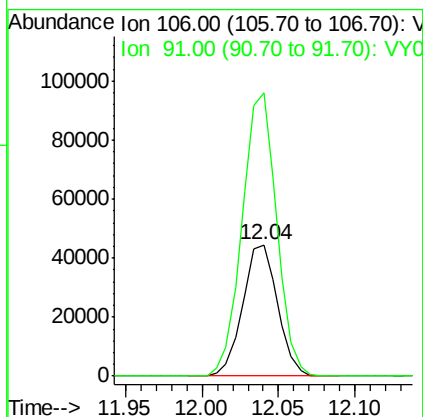
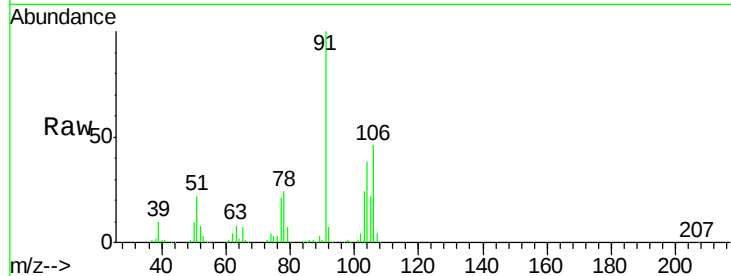
#69
o-Xylene
Concen: 21.700 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VY002005.D
Acq: 18 Mar 2020 11:47

Instrument :
MSVOA_Y
ClientSampleId :
VY0318SBS01

Tot Ion:106 Resp: 70263
Ion Ratio Lower Upper
106 100
91 213.3 106.8 320.4

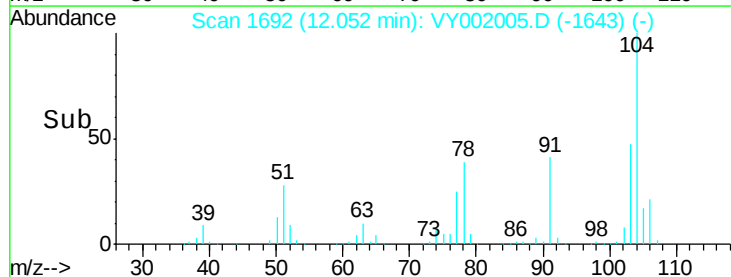
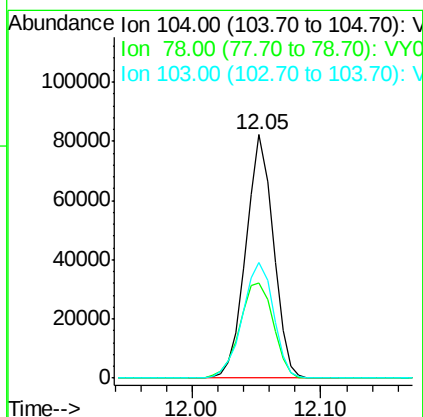
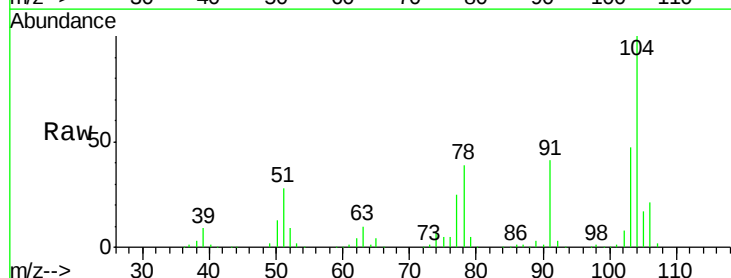
Manual Integrations
APPROVED

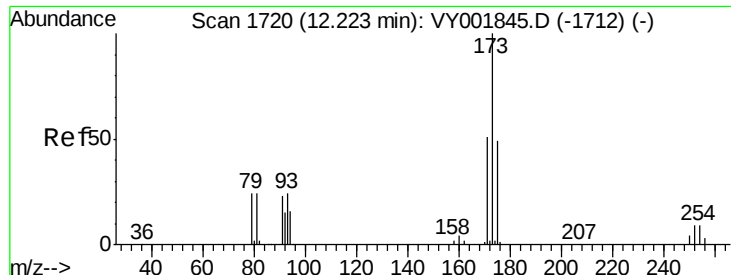
MMDadoda
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#70
Styrene
Concen: 21.821 ug/l
RT: 12.05 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VY002005.D
Acq: 18 Mar 2020 11:47

Tgt Ion:104 Resp: 121013
Ion Ratio Lower Upper
104 100
78 47.9 38.5 57.7
103 53.7 42.9 64.3





#71

Bromoform

Concen: 22.065 ug/l

RT: 12.22 min Scan# 1719

Delta R.T. -0.01 min

Lab File: VY002005.D

Acq: 18 Mar 2020 11:47

Instrument :

MSVOA_Y

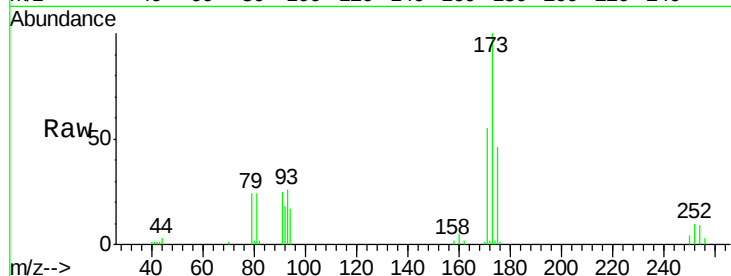
ClientSampleId :

VY0318SBS01

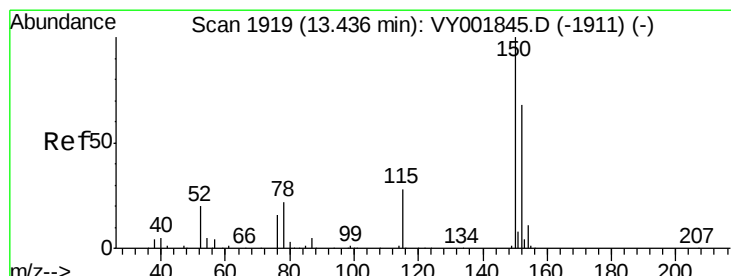
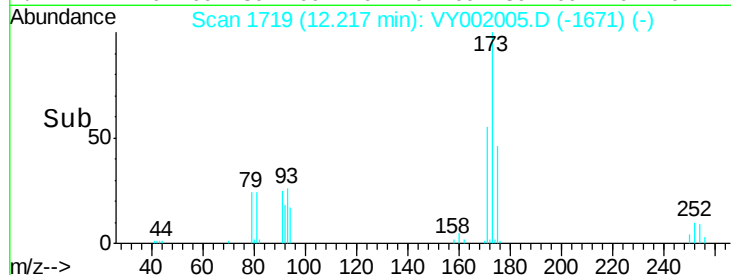
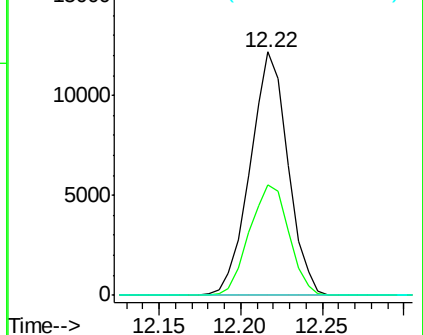
Tot Ion:173	Resp:	19551
Ion Ratio	Lower	Upper
173 100		
175 47.7	24.3	72.8
254 0.0	0.0	0.0

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

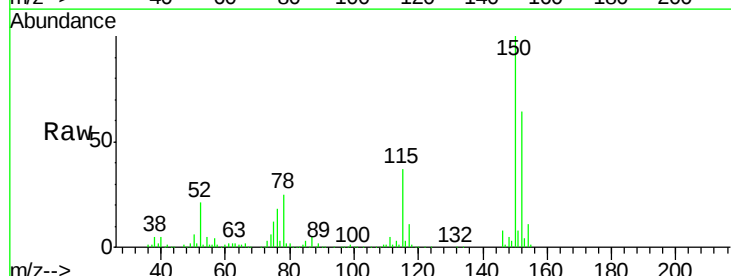
RT: 13.44 min Scan# 1919

Delta R.T. 0.00 min

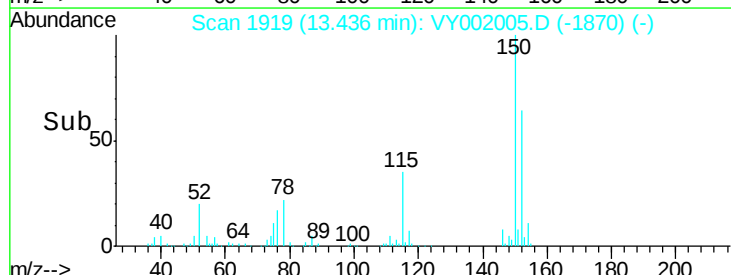
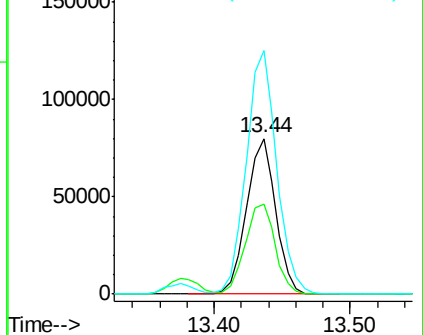
Lab File: VY002005.D

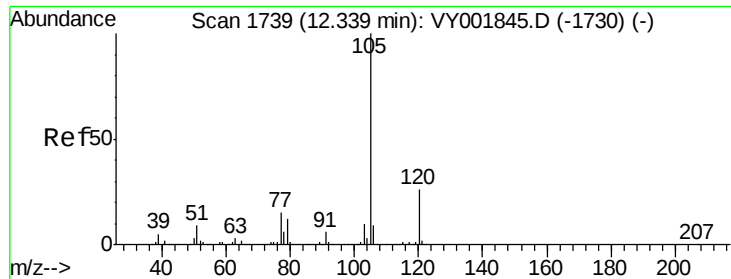
Acq: 18 Mar 2020 11:47

Tgt Ion:152	Resp:	119458
Ion Ratio	Lower	Upper
152 100		
115 60.0	29.9	89.7
150 164.2	0.0	340.6



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





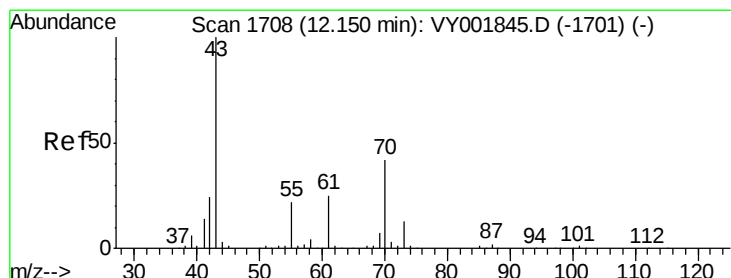
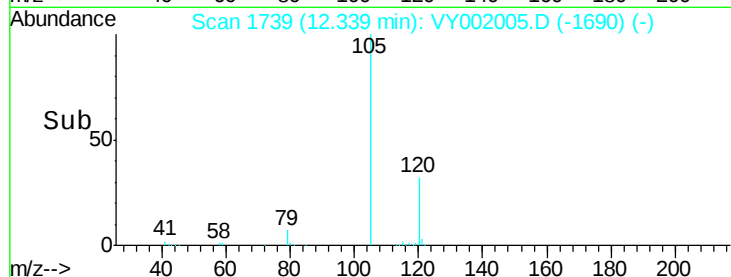
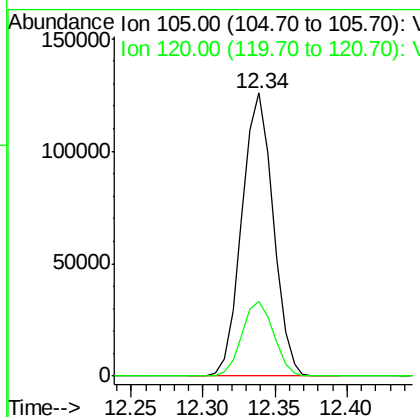
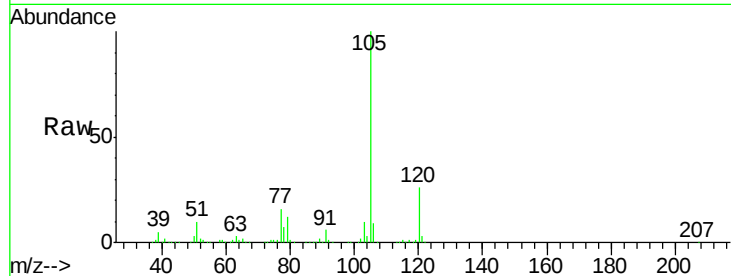
#73
Isopropylbenzene
Concen: 20.817 ug/l
RT: 12.34 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VY002005.D
Acq: 18 Mar 2020 11:47

Instrument :
MSVOA_Y
ClientSampleId :
VY0318SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	189835		
120	26.6	13.1	39.3	

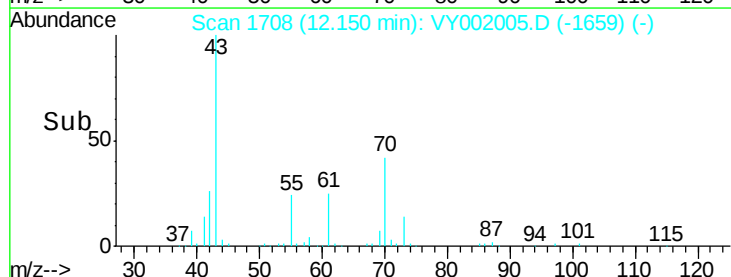
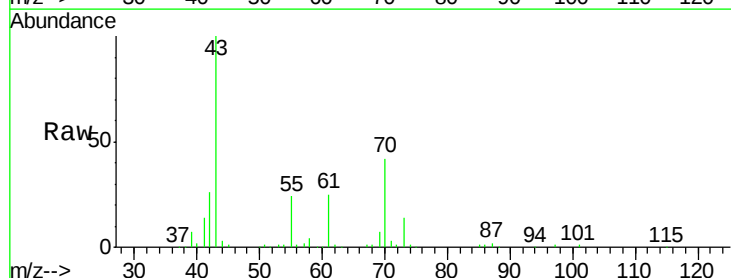
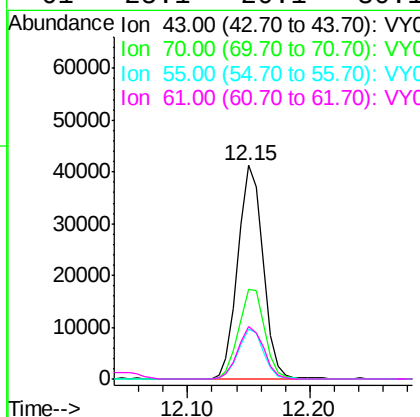
Manual Integrations
APPROVED

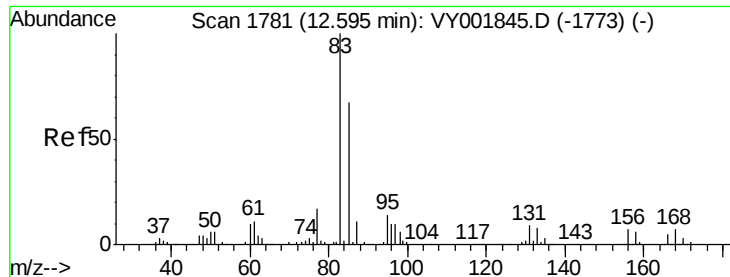
MMDadoda
3/19/2020 11:59:36 AM



#74
N-ethyl acetate
Concen: 20.961 ug/l
RT: 12.15 min Scan# 1708
Delta R.T. 0.00 min
Lab File: VY002005.D
Acq: 18 Mar 2020 11:47

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	58746		
70	43.6	34.7	52.1	
55	23.3	18.2	27.4	
61	25.1	20.1	30.1	





#75

1,1,2,2-Tetrachloroethane

Concen: 21.574 ug/l

RT: 12.59 min Scan# 1780

Delta R.T. -0.01 min

Lab File: VY002005.D

Acq: 18 Mar 2020 11:47

Instrument :

MSVOA_Y

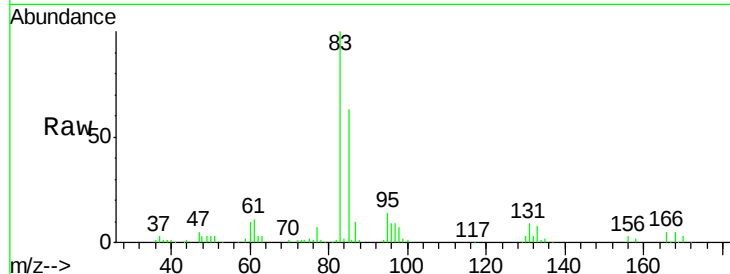
ClientSampleId :

VY0318SBS01

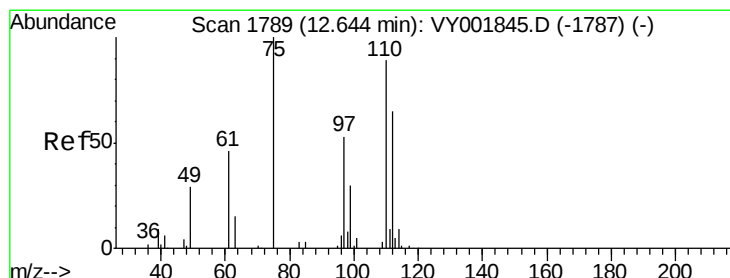
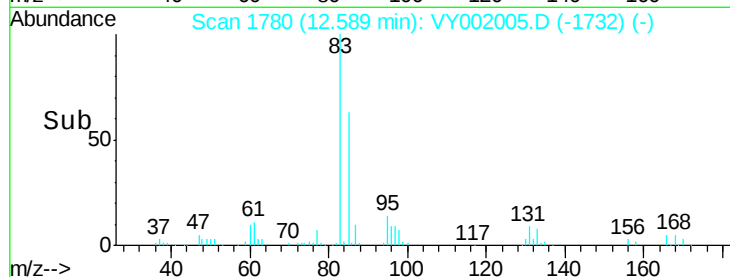
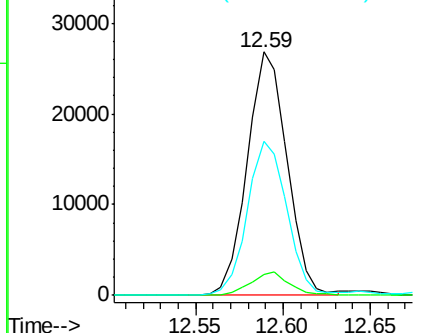
Tot Ion:	83	Resp:	42426
Ion Ratio	Lower	Upper	
83	100		
131	9.4	4.6	13.8
85	63.2	32.1	96.3

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



#76

1,2,3-Trichloropropane

Concen: 22.703 ug/l m

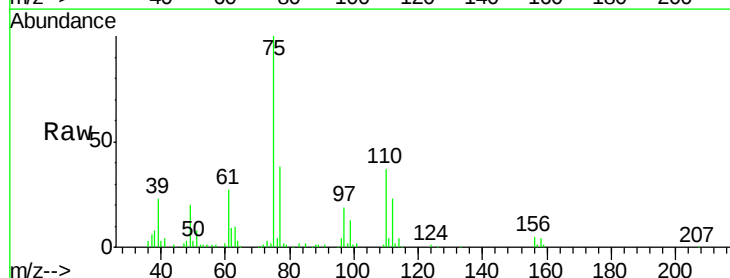
RT: 12.64 min Scan# 1789

Delta R.T. 0.00 min

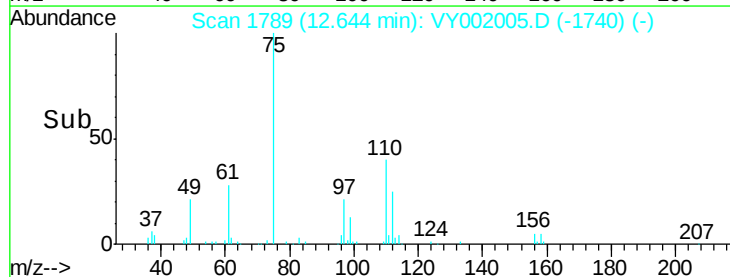
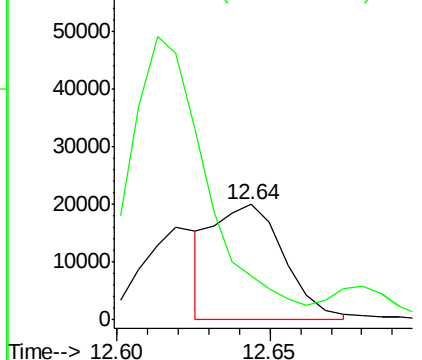
Lab File: VY002005.D

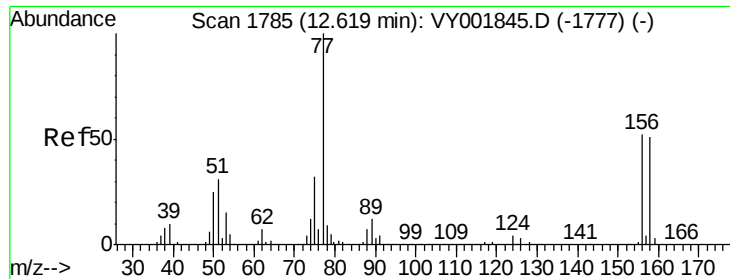
Acq: 18 Mar 2020 11:47

Tgt Ion:	75	Resp:	32181
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



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





#77

Bromobenzene

Concen: 20.982 ug/l

RT: 12.62 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VY002005.D

Acq: 18 Mar 2020 11:47

Instrument :

MSVOA_Y

ClientSampleId :

VY0318SBS01

Tot Ion:156 Resp: 40538

Ion Ratio Lower Upper

156 100

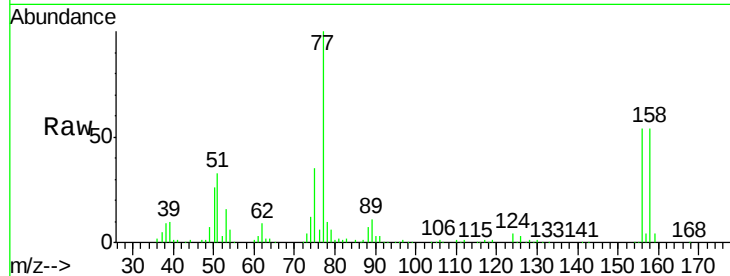
77 216.3 109.0 327.0

158 98.3 48.9 146.8

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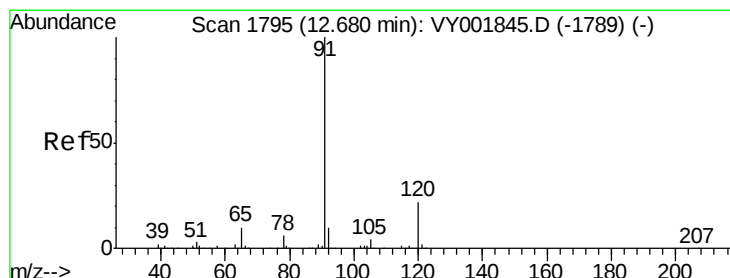
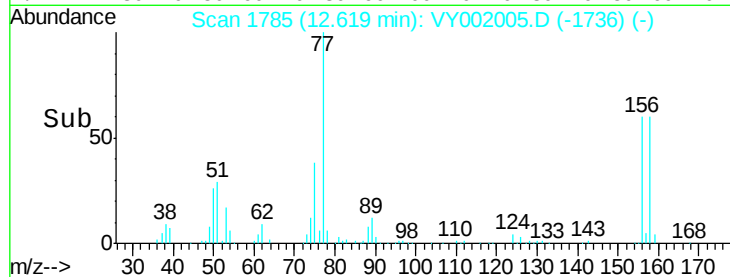
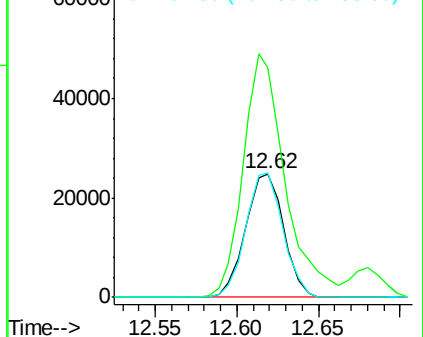
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.929 ug/l

RT: 12.68 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VY002005.D

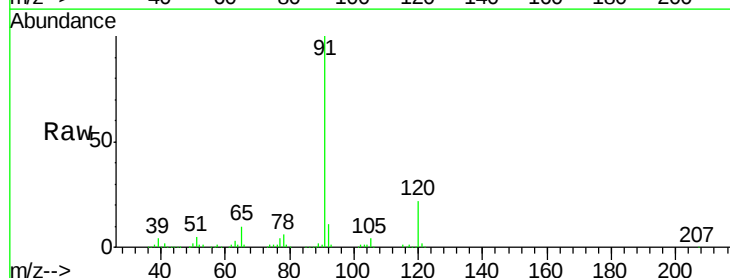
Acq: 18 Mar 2020 11:47

Tgt Ion: 91 Resp: 235462

Ion Ratio Lower Upper

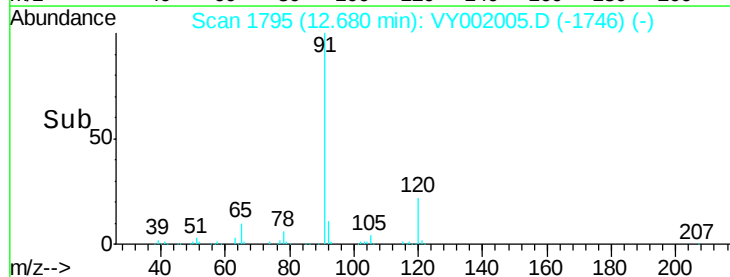
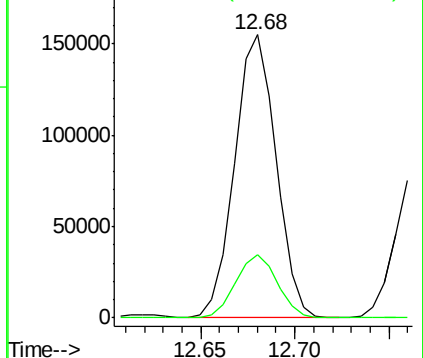
91 100

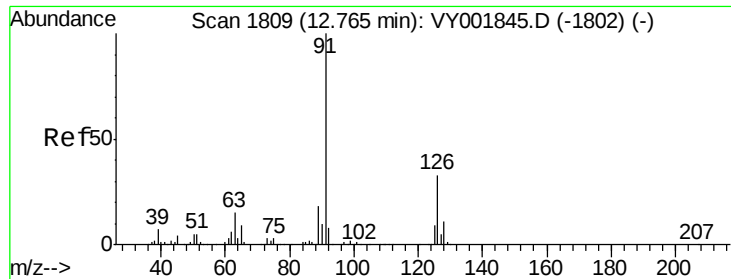
120 22.3 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.781 ug/l

RT: 12.77 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VY002005.D

Acq: 18 Mar 2020 11:47

Instrument :

MSVOA_Y

ClientSampleId :

VY0318SBS01

Tot Ion: 91 Resp: 129169

Ion Ratio Lower Upper

91 100

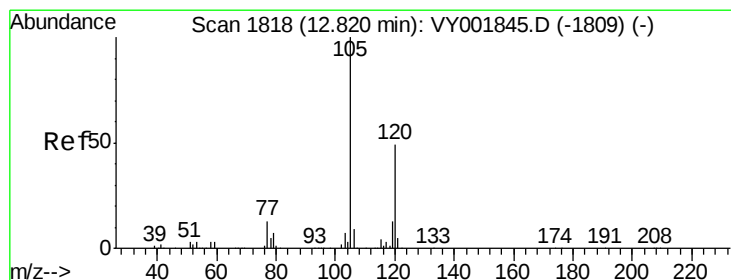
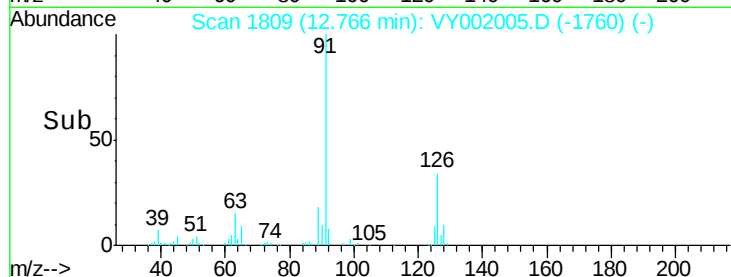
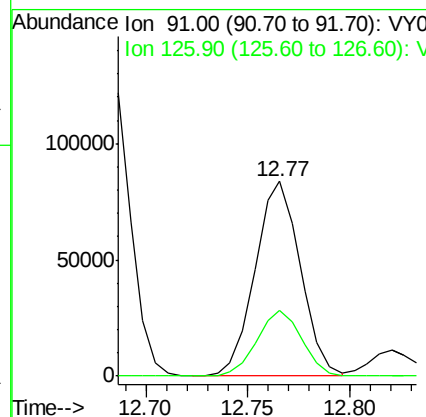
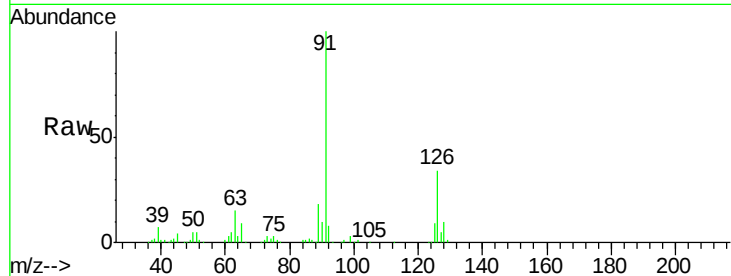
126 33.5 16.3 48.8

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#80

1,3,5-Trimethylbenzene

Concen: 20.896 ug/l

RT: 12.82 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VY002005.D

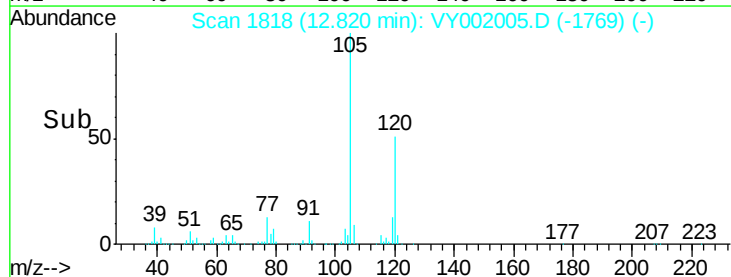
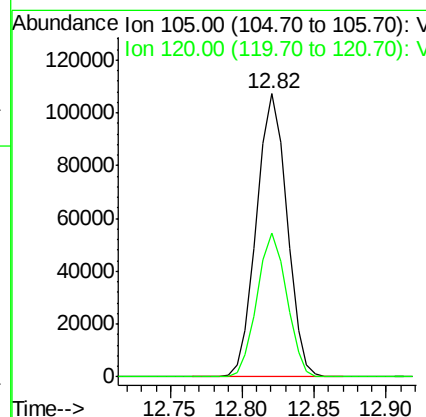
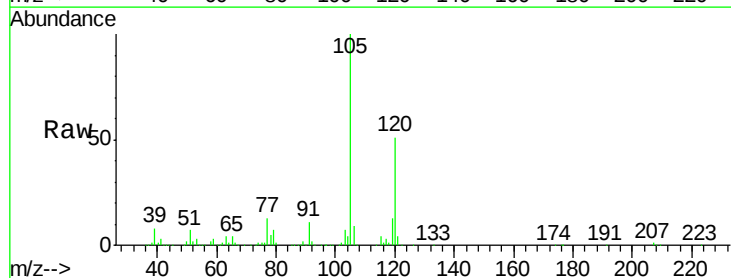
Acq: 18 Mar 2020 11:47

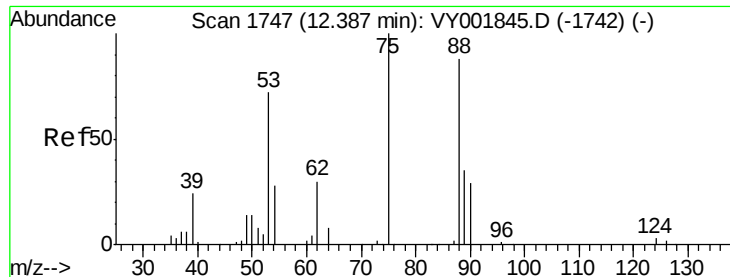
Tgt Ion: 105 Resp: 156871

Ion Ratio Lower Upper

105 100

120 49.7 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 20.767 ug/l

RT: 12.39 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VY002005.D

Acq: 18 Mar 2020 11:47

Instrument :

MSVOA_Y

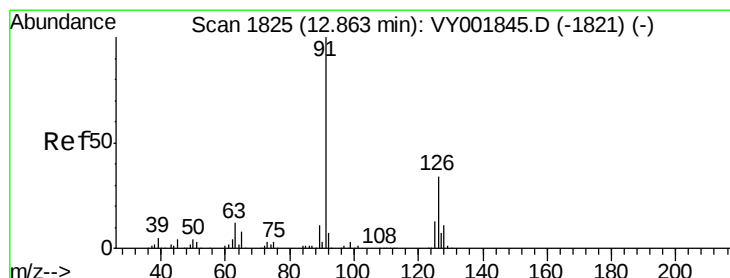
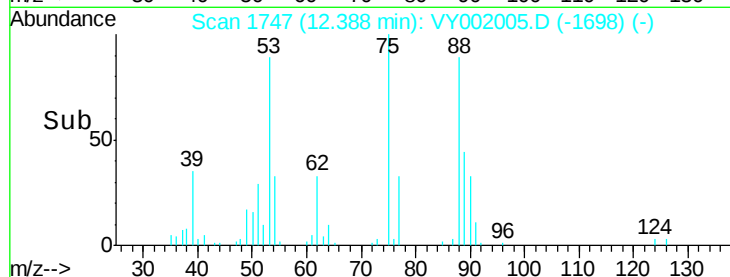
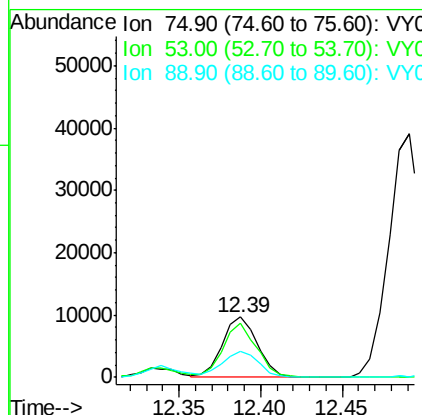
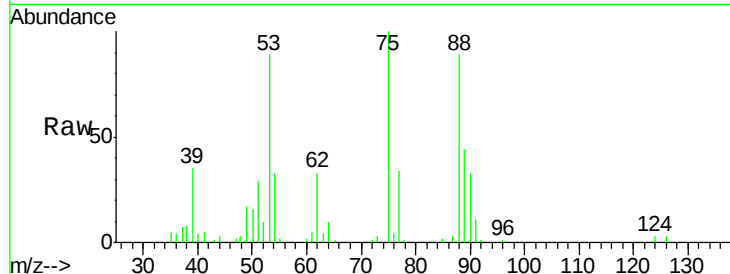
ClientSampleId :

VY0318SBS01

Tot Ion:	75	Resp:	14573
Ion Ratio	Lower	Upper	
75	100		
53	85.4	65.4	98.0
89	43.7	36.0	54.0

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#82

4-Chlorotoluene

Concen: 21.048 ug/l

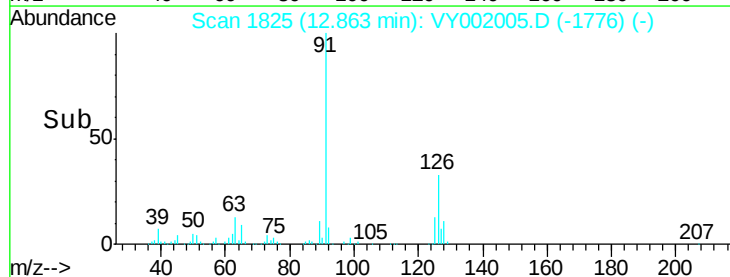
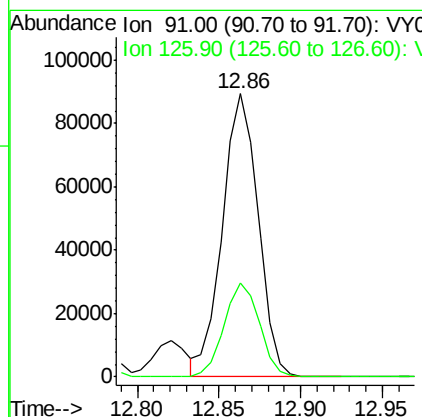
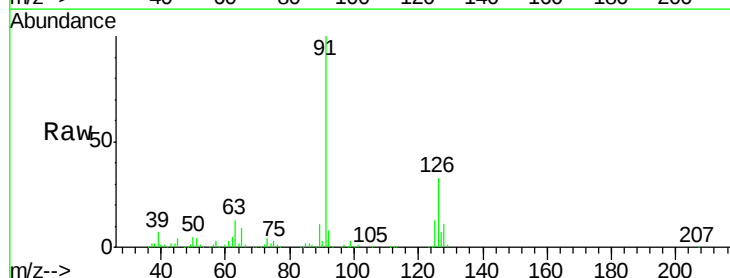
RT: 12.86 min Scan# 1825

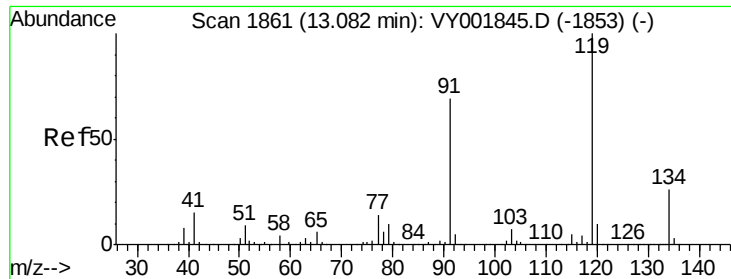
Delta R.T. 0.00 min

Lab File: VY002005.D

Acq: 18 Mar 2020 11:47

Tgt Ion:	91	Resp:	136214
Ion Ratio	Lower	Upper	
91	100		
126	33.0	16.4	49.2





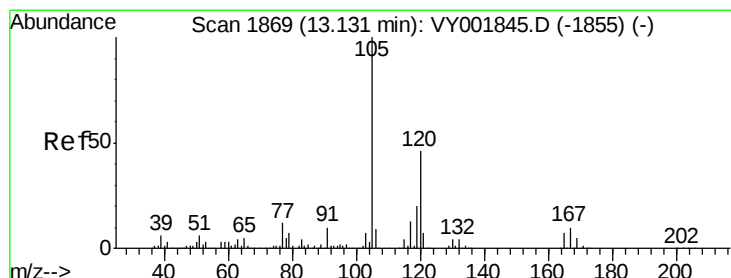
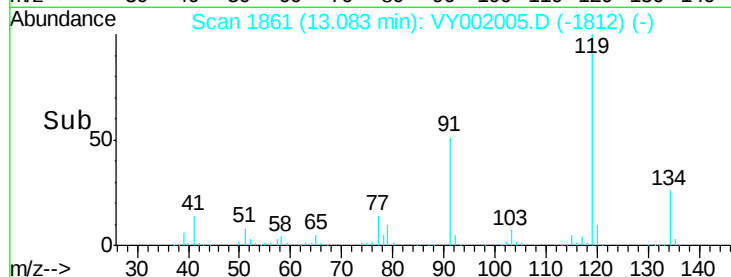
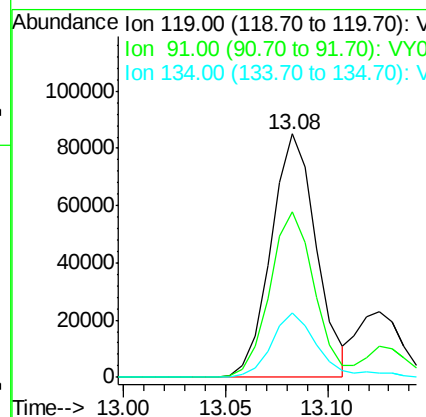
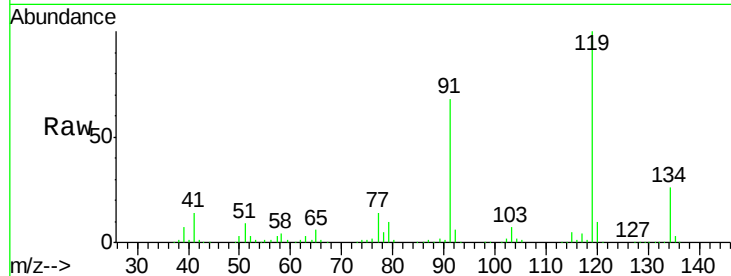
#83
tert-Butylbenzene
Concen: 21.163 ug/l
RT: 13.08 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VY002005.D
Acq: 18 Mar 2020 11:47

Instrument :
MSVOA_Y
ClientSampleId :
VY0318SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.6	34.0	101.8
134	27.1	13.5	40.4

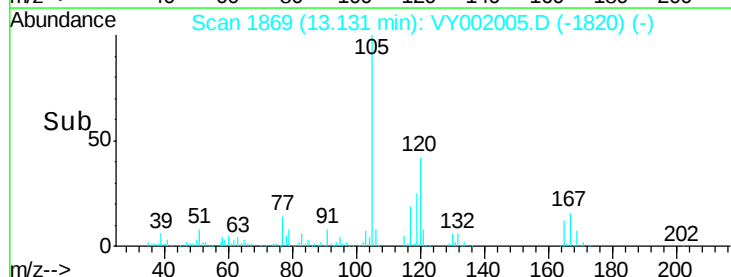
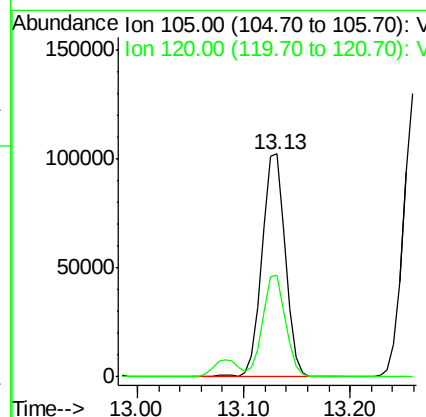
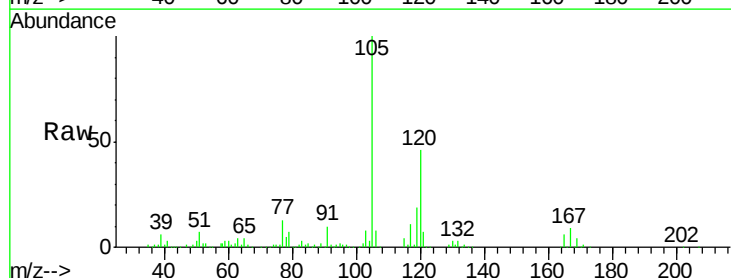
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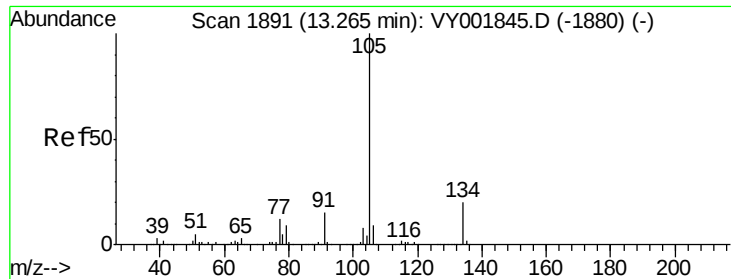
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#84
1,2,4-Trimethylbenzene
Concen: 21.280 ug/l
RT: 13.13 min Scan# 1869
Delta R.T. 0.00 min
Lab File: VY002005.D
Acq: 18 Mar 2020 11:47

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.7	22.6	67.7





#85

sec-Butylbenzene

Concen: 21.602 ug/l

RT: 13.26 min Scan# 1890

Delta R.T. -0.01 min

Lab File: VY002005.D

Acq: 18 Mar 2020 11:47

Instrument :

MSVOA_Y

ClientSampleId :

VY0318SBS01

Tot Ion:105 Resp: 198536

Ion Ratio Lower Upper

105 100

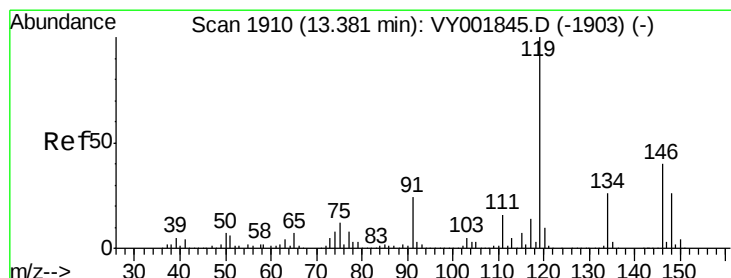
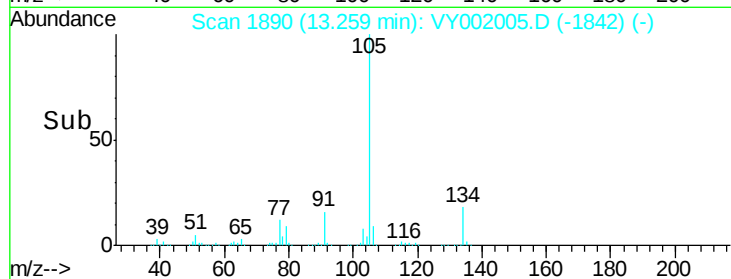
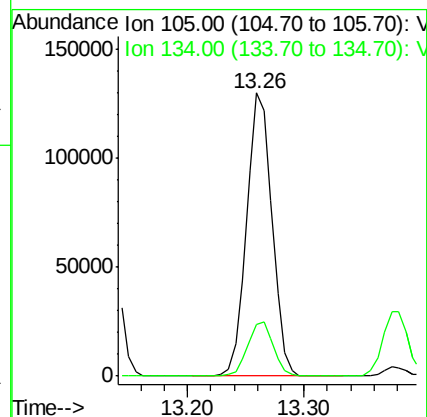
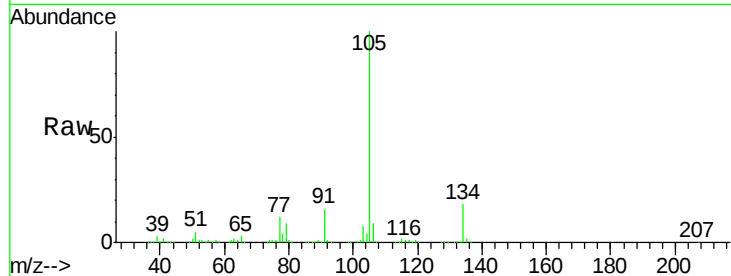
134 19.2 9.7 29.1

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#86

p-Isopropyltoluene

Concen: 21.577 ug/l

RT: 13.38 min Scan# 1909

Delta R.T. -0.01 min

Lab File: VY002005.D

Acq: 18 Mar 2020 11:47

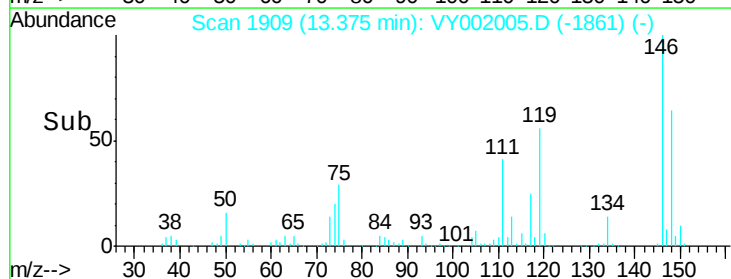
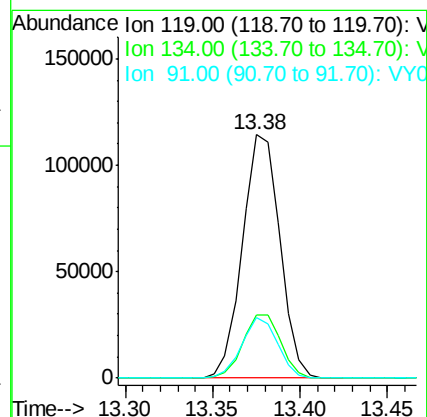
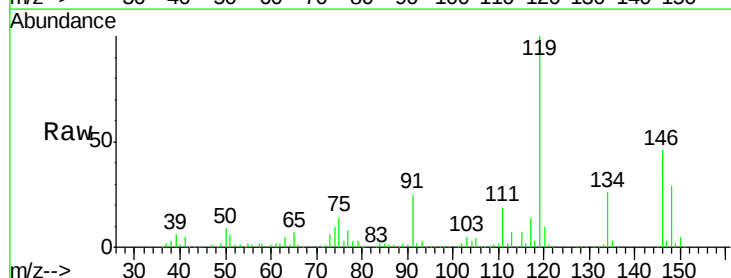
Tgt Ion:119 Resp: 171068

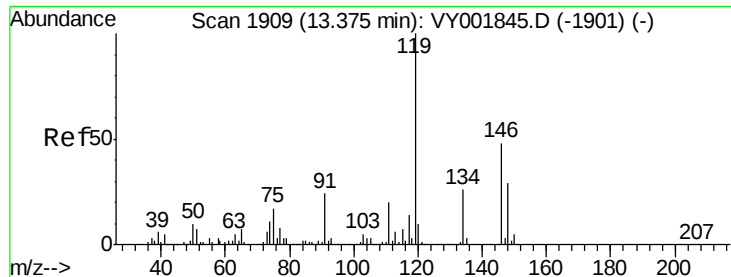
Ion Ratio Lower Upper

119 100

134 26.4 13.1 39.3

91 24.0 11.9 35.7





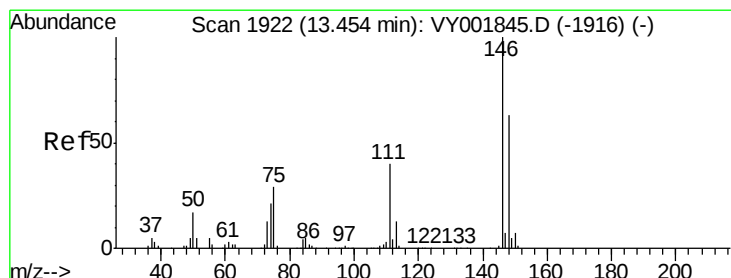
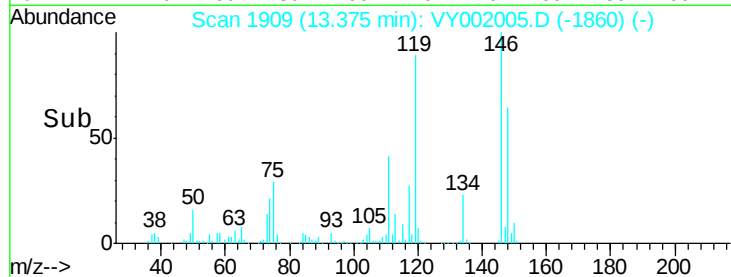
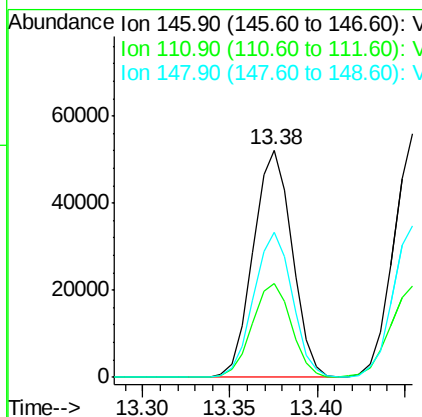
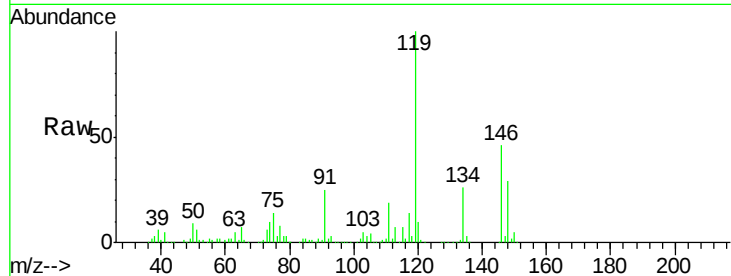
#87
 1,3-Dichlorobenzene
 Concen: 21.358 ug/l
 RT: 13.38 min Scan# 1909
 Delta R.T. 0.00 min
 Lab File: VY002005.D
 Acq: 18 Mar 2020 11:47

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0318SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	20.8	62.5
148	63.1	31.4	94.0

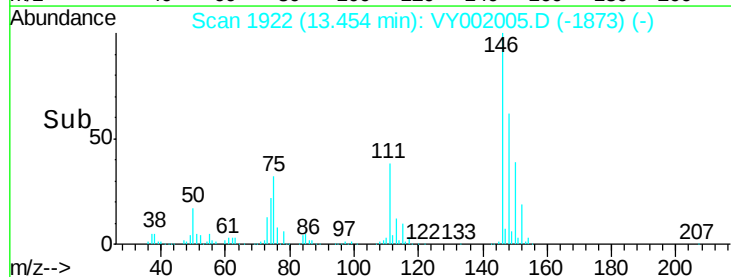
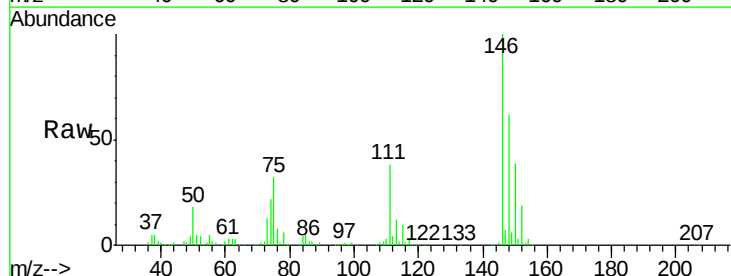
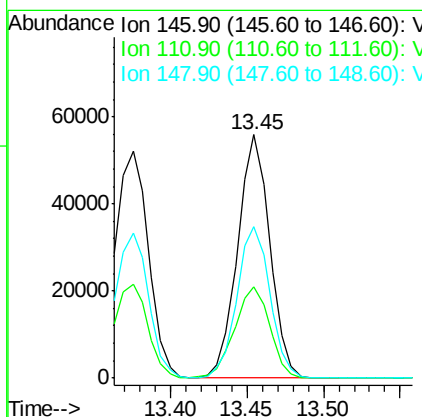
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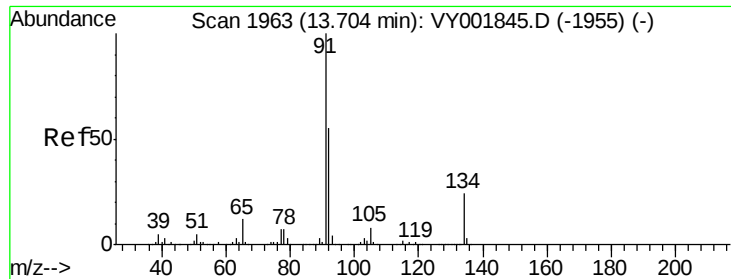
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#88
 1,4-Dichlorobenzene
 Concen: 21.288 ug/l
 RT: 13.45 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VY002005.D
 Acq: 18 Mar 2020 11:47

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.0	60.0
148	63.9	31.5	94.5





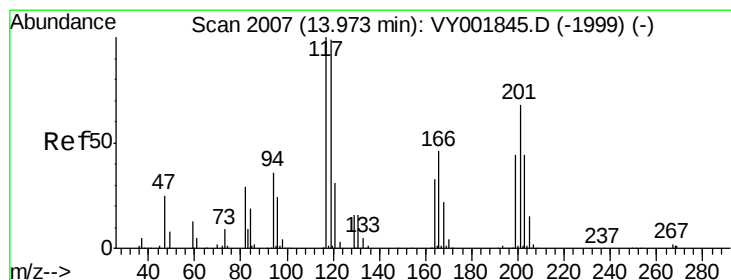
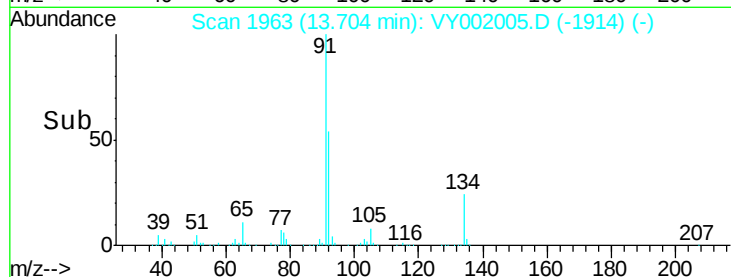
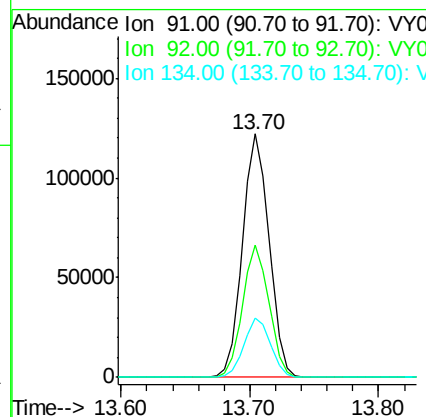
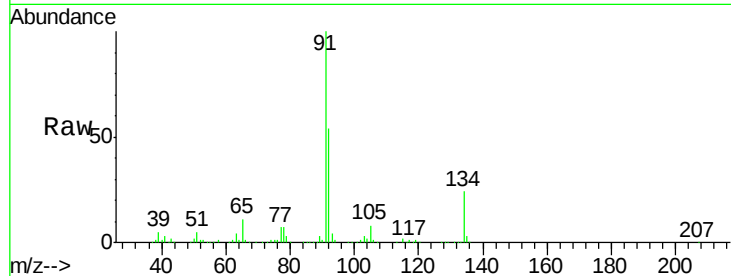
#89
n-Butylbenzene
Concen: 21.190 ug/l
RT: 13.70 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VY002005.D
Acq: 18 Mar 2020 11:47

Instrument :
MSVOA_Y
ClientSampleId :
VY0318SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	174303		
92	53.8		27.5	82.4
134	24.2		12.5	37.5

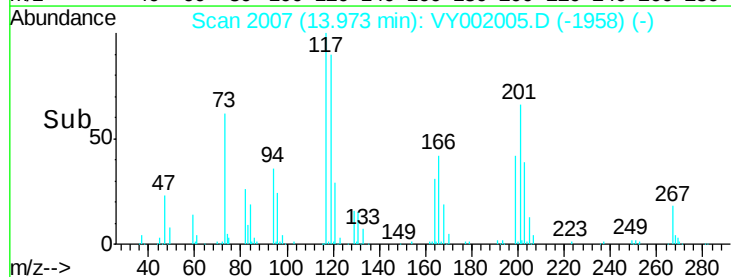
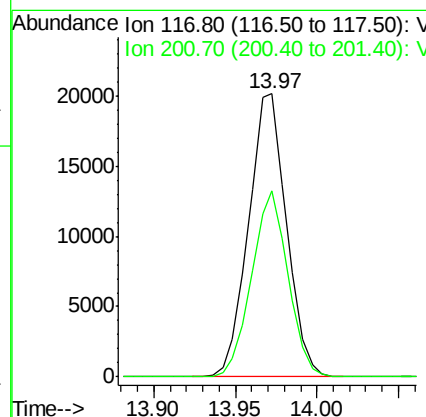
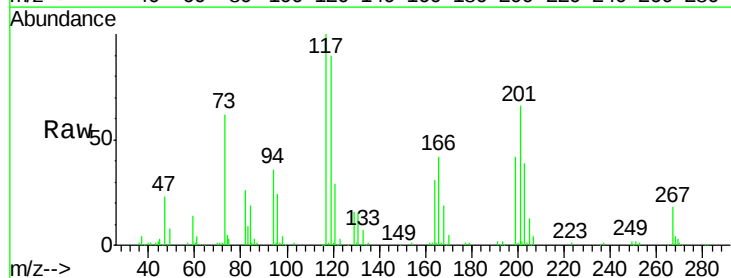
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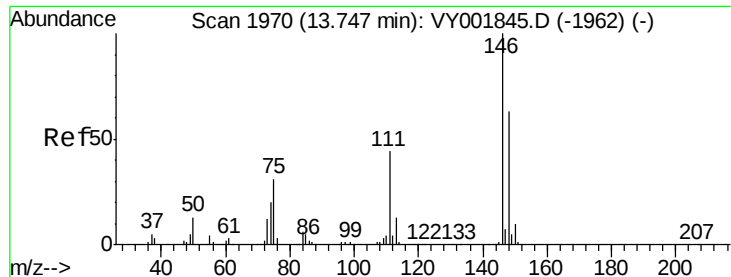
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#90
Hexachloroethane
Concen: 21.749 ug/l
RT: 13.97 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VY002005.D
Acq: 18 Mar 2020 11:47

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	32530		
201	62.8		32.5	97.5





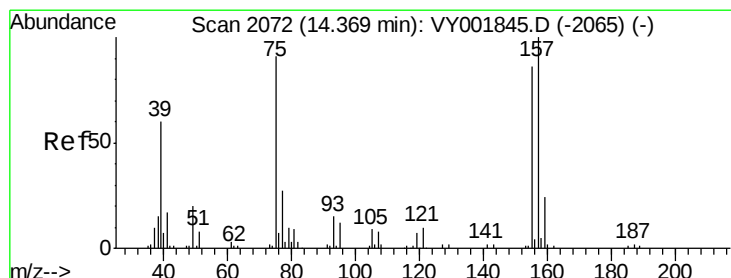
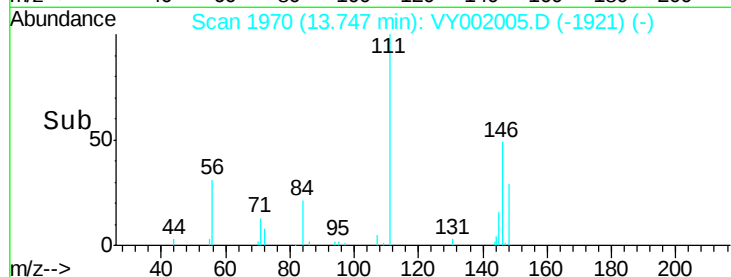
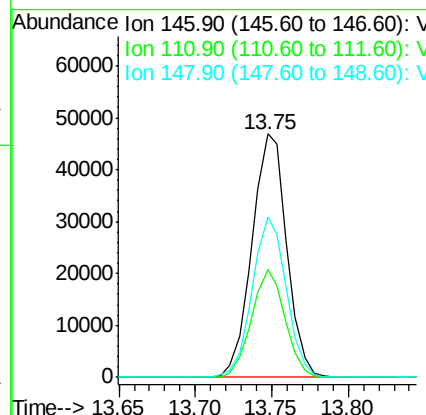
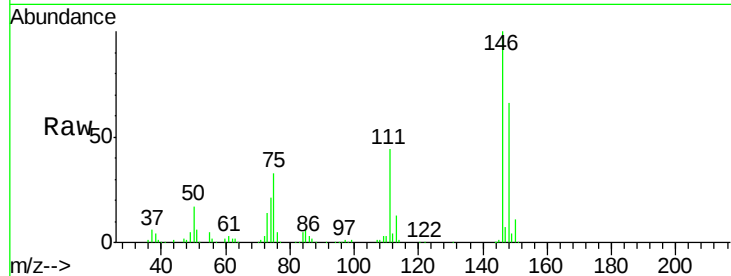
#91
1,2-Dichlorobenzene
Concen: 21.478 ug/l
RT: 13.75 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VY002005.D
Acq: 18 Mar 2020 11:47

Instrument :
MSVOA_Y
ClientSampleId :
VY0318SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.5	64.5
148	64.6	32.0	96.0

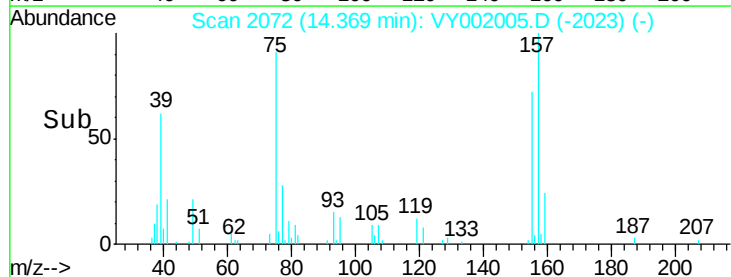
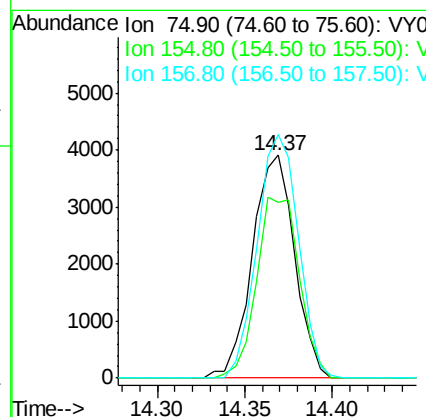
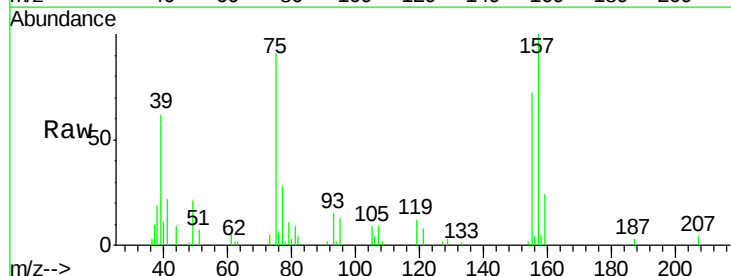
Manual Integrations
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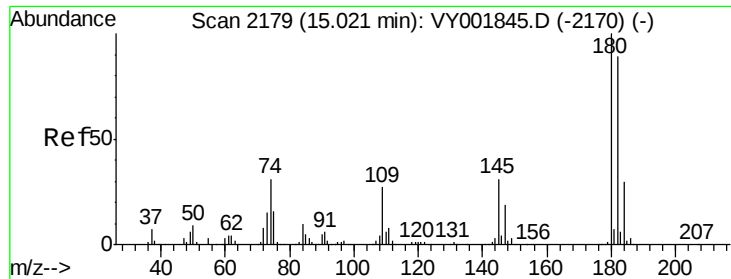
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#92
1,2-Dibromo-3-Chloropropane
Concen: 21.371 ug/l
RT: 14.37 min Scan# 2072
Delta R.T. 0.00 min
Lab File: VY002005.D
Acq: 18 Mar 2020 11:47

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.0	42.9	128.7
157	106.5	53.1	159.4





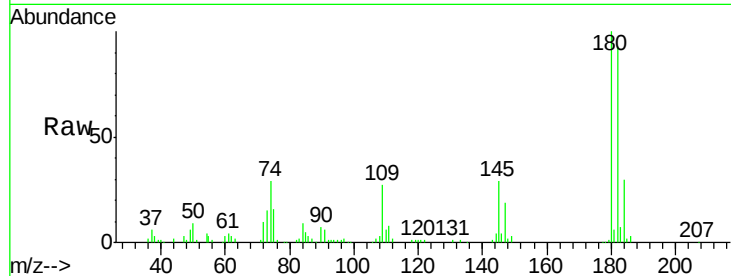
#93
 1,2,4-Trichlorobenzene
 Concen: 21.835 ug/l
 RT: 15.02 min Scan# 2179
 Delta R.T. 0.00 min
 Lab File: VY002005.D
 Acq: 18 Mar 2020 11:47

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0318SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.9	46.1	138.3
145	31.4	15.6	46.8

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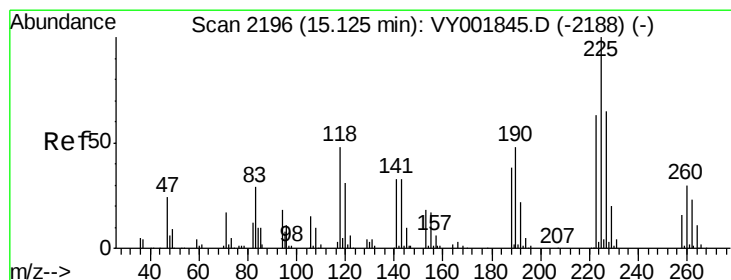
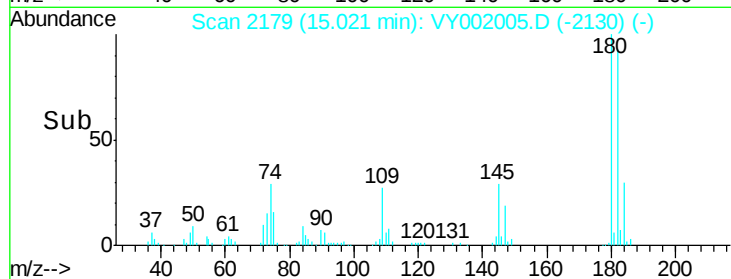
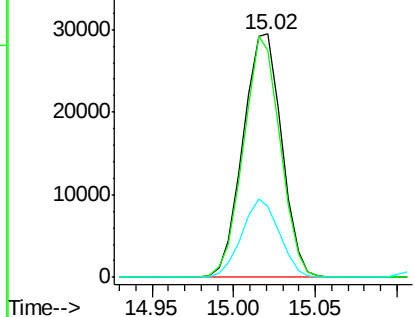


Abundance

Ion 179.80 (179.50 to 180.50): V

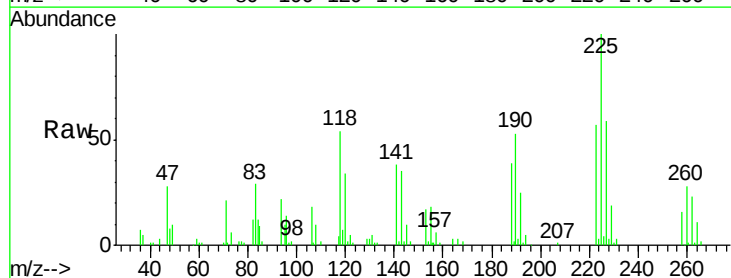
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 21.473 ug/l
 RT: 15.12 min Scan# 2195
 Delta R.T. -0.01 min
 Lab File: VY002005.D
 Acq: 18 Mar 2020 11:47

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.3	31.5	94.5
227	62.2	31.9	95.5

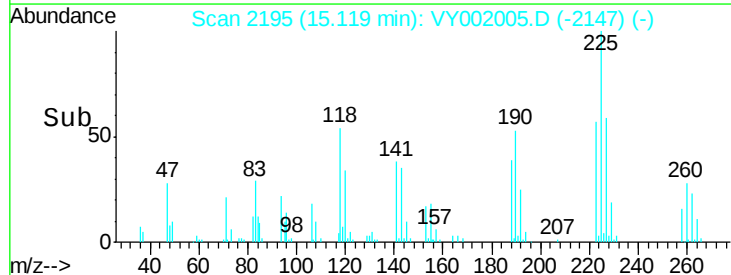
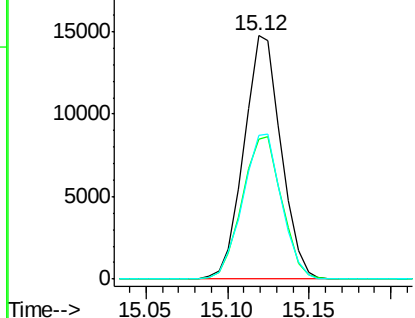


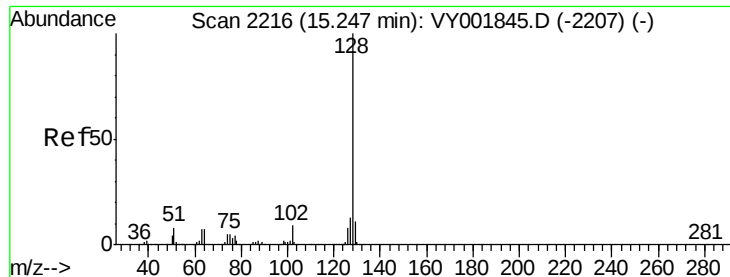
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





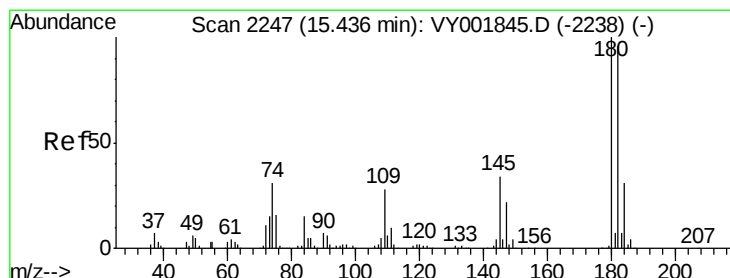
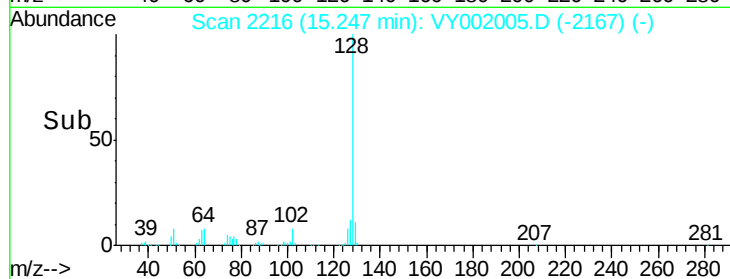
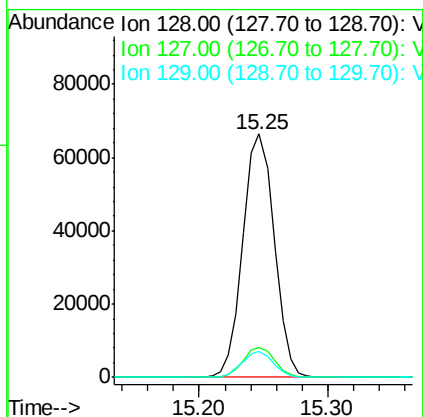
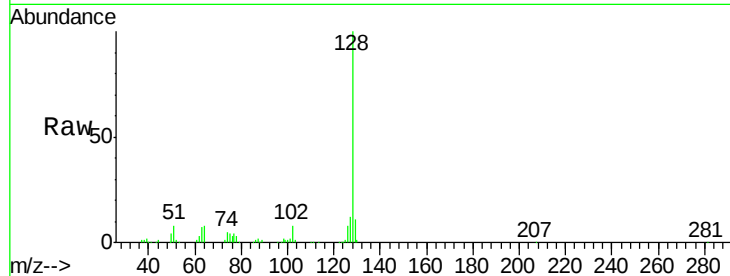
#95
Naphthalene
Concen: 21.158 ug/l
RT: 15.25 min Scan# 2216
Delta R.T. 0.00 min
Lab File: VY002005.D
Acq: 18 Mar 2020 11:47

Instrument :
MSVOA_Y
ClientSampleId :
VY0318SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.1	15.1
129	10.7	8.6	13.0

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#96
1,2,3-Trichlorobenzene
Concen: 21.744 ug/l
RT: 15.44 min Scan# 2247
Delta R.T. 0.00 min
Lab File: VY002005.D
Acq: 18 Mar 2020 11:47

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.6	142.9
145	34.8	16.8	50.3

