

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021320\
 Data File : VY001625.D
 Acq On : 13 Feb 2020 12:49
 Operator : SY/MD
 Sample : VY0213SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0213SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/14/2020 5:27:14 PM

Quant Time: Feb 14 06:47:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y020420S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 04 15:10:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	186976	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	329237	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	297290	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	142263	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	102038	54.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.40%	
35) Dibromofluoromethane	7.74	113	94262	49.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.30%	
50) Toluene-d8	10.19	98	379137	52.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.56%	
62) 4-Bromofluorobenzene	12.49	95	141515	50.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	31645	17.290	ug/l	98
3) Chloromethane	2.13	50	42661	22.301	ug/l	98
4) Vinyl Chloride	2.26	62	44527	22.417	ug/l	95
5) Bromomethane	2.66	94	29588	23.686	ug/l	97
6) Chloroethane	2.81	64	27454	22.930	ug/l	91
7) Trichlorofluoromethane	3.15	101	59452	18.082	ug/l	95
8) Diethyl Ether	3.55	74	22688	20.449	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	3.93	101	37874	19.145	ug/l	98
10) Methyl Iodide	4.12	142	43764	17.362	ug/l	97
11) Tert butyl alcohol	5.00	59	29990	124.716	ug/l	97
12) 1,1-Dichloroethene	3.90	96	37142	18.894	ug/l	91
13) Acrolein	3.76	56	17034	95.558	ug/l	98
14) Allyl chloride	4.51	41	67016	22.285	ug/l	95
15) Acrylonitrile	5.20	53	63261	124.376	ug/l	99
16) Acetone	3.97	43	61105	112.211	ug/l	99
17) Carbon Disulfide	4.22	76	118706	18.969	ug/l	100
18) Methyl Acetate	4.50	43	32762	28.193	ug/l	92
19) Methyl tert-butyl Ether	5.25	73	106632	20.397	ug/l	98
20) Methylene Chloride	4.75	84	51661	21.538	ug/l	90
21) trans-1,2-Dichloroethene	5.25	96	42161	19.293	ug/l	95
22) Diisopropyl ether	6.15	45	139217	23.367	ug/l	96
23) Vinyl Acetate	6.09	43	455358	120.059	ug/l	94
24) 1,1-Dichloroethane	6.05	63	74125	20.684	ug/l	98
25) 2-Butanone	7.02	43	89410	126.558	ug/l	94
26) 2,2-Dichloropropane	7.02	77	65361	19.057	ug/l	100
27) cis-1,2-Dichloroethene	7.02	96	47684	19.977	ug/l	97
28) Bromochloromethane	7.36	49	27478	22.508	ug/l	87
29) Tetrahydrofuran	7.38	42	55912	132.042	ug/l	93
30) Chloroform	7.53	83	71403	19.670	ug/l	100
31) Cyclohexane	7.81	56	77122	21.038	ug/l	97
32) 1,1,1-Trichloroethane	7.72	97	61011	18.538	ug/l	96
36) 1,1-Dichloropropene	7.94	75	60306	20.023	ug/l	97
37) Ethyl Acetate	7.10	43	38143	26.160	ug/l #	94
38) Carbon Tetrachloride	7.93	117	53267	18.280	ug/l	98

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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)
39) Methylcyclohexane	9.20	83	77191	19.464	ug/l	97
40) Benzene	8.18	78	174381	20.298	ug/l	100
41) Methacrylonitrile	7.35	41	21223m	31.406	ug/l	
42) 1,2-Dichloroethane	8.26	62	48613	20.311	ug/l	99
43) Isopropyl Acetate	8.30	43	71430	24.743	ug/l #	94
44) Trichloroethene	8.96	130	44255	19.111	ug/l	93
45) 1,2-Dichloropropane	9.24	63	44694	21.545	ug/l	99
46) Dibromomethane	9.32	93	23408	20.095	ug/l	97
47) Bromodichloromethane	9.51	83	55959	19.716	ug/l	97
48) Methyl methacrylate	9.31	41	32367	24.703	ug/l	88
49) 1,4-Dioxane	9.32	88	6506	422.907	ug/l	93
51) 4-Methyl-2-Pentanone	10.08	43	184317	129.646	ug/l	95
52) Toluene	10.26	92	109700	20.125	ug/l	100
53) t-1,3-Dichloropropene	10.48	75	61571	19.917	ug/l	100
54) cis-1,3-Dichloropropene	9.94	75	69927	19.703	ug/l	96
55) 1,1,2-Trichloroethane	10.66	97	34866	20.861	ug/l	96
56) Ethyl methacrylate	10.52	69	52017	21.882	ug/l	92
57) 1,3-Dichloropropane	10.81	76	61053	20.723	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.80	63	93174	106.546	ug/l	96
59) 2-Hexanone	10.85	43	135216	130.808	ug/l	96
60) Dibromochloromethane	11.00	129	36257	18.404	ug/l	98
61) 1,2-Dibromoethane	11.10	107	33147	20.136	ug/l	100
64) Tetrachloroethene	10.73	164	35691	18.306	ug/l	97
65) Chlorobenzene	11.53	112	113378	19.423	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.60	131	38853	19.018	ug/l	98
67) Ethyl Benzene	11.60	91	212178	19.659	ug/l	99
68) m/p-Xylenes	11.71	106	160194	39.537	ug/l	97
69) o-Xylene	12.04	106	75344	19.723	ug/l	100
70) Styrene	12.06	104	130516	19.756	ug/l	99
71) Bromoform	12.22	173	21662	19.042	ug/l #	96
73) Isopropylbenzene	12.34	105	203055	18.714	ug/l	99
74) N-amyl acetate	12.16	43	66588	23.617	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.60	83	44658	21.663	ug/l	97
76) 1,2,3-Trichloropropane	12.64	75	31670m	20.701	ug/l	
77) Bromobenzene	12.62	156	44651	19.016	ug/l	97
78) n-propylbenzene	12.68	91	248387	19.122	ug/l	98
79) 2-Chlorotoluene	12.77	91	138704	18.733	ug/l	98
80) 1,3,5-Trimethylbenzene	12.83	105	171420	18.760	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	15852	20.049	ug/l	94
82) 4-Chlorotoluene	12.87	91	144816	18.655	ug/l	99
83) tert-Butylbenzene	13.09	119	144099	18.656	ug/l	100
84) 1,2,4-Trimethylbenzene	13.13	105	170535	18.856	ug/l	98
85) sec-Butylbenzene	13.27	105	208335	19.185	ug/l	100
86) p-Isopropyltoluene	13.38	119	183897	19.217	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	89021	19.783	ug/l	98
88) 1,4-Dichlorobenzene	13.46	146	88575	19.647	ug/l	99
89) n-Butylbenzene	13.71	91	186667	19.770	ug/l	100
90) Hexachloroethane	13.97	117	33939	18.478	ug/l	99
91) 1,2-Dichlorobenzene	13.75	146	78848	19.335	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.37	75	7562	19.871	ug/l	99

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MSVOA_Y
ClientSampleId :
VY0213SBSD01

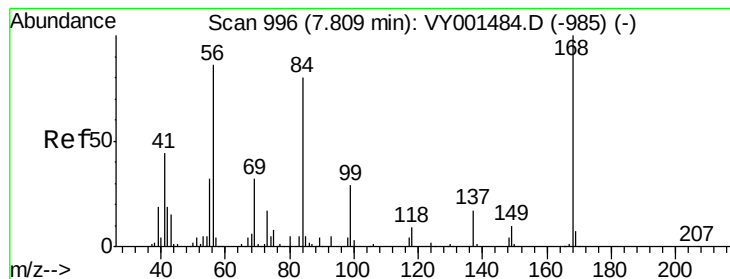
Manual Integrations
APPROVED

MMDadoda
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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	54104	19.688	ug/l	97
94) Hexachlorobutadiene	15.13	225	26817	19.227	ug/l	97
95) Naphthalene	15.25	128	126846	19.640	ug/l	100
96) 1,2,3-Trichlorobenzene	15.44	180	48169	19.857	ug/l	98

(#) = 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. 0.01 min

Lab File: VY001625.D

Acq: 13 Feb 2020 12:49

Instrument :

MSVOA_Y

ClientSampleId :

VY0213SBS01

Tot Ion:168 Resp: 186976

Ion Ratio Lower Upper

168 100

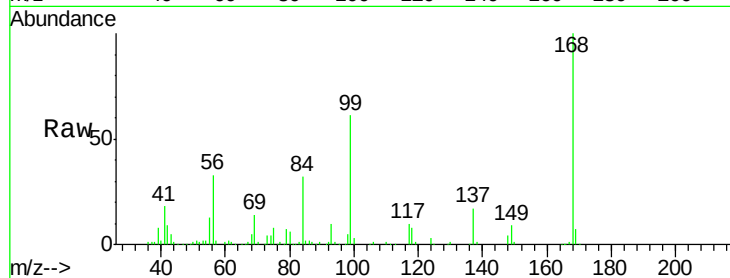
99 61.4 48.2 72.4

Manual Integrations

APPROVED

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Abundance Ion 167.90 (167.60 to 168.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

7.82

80000

60000

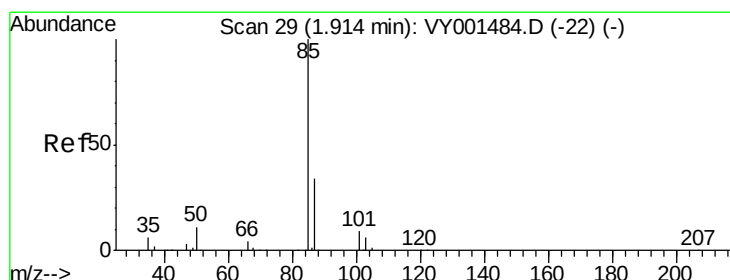
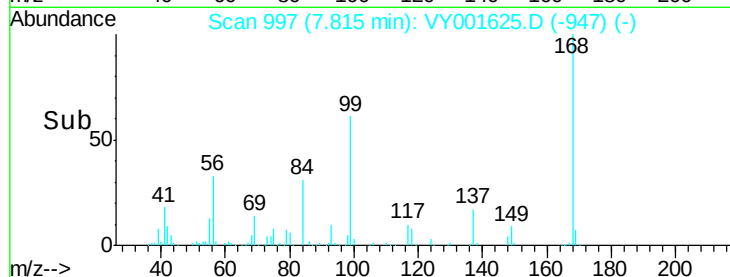
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 17.290 ug/l

RT: 1.91 min Scan# 29

Delta R.T. 0.00 min

Lab File: VY001625.D

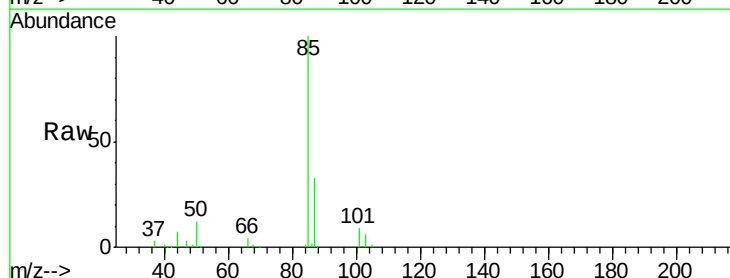
Acq: 13 Feb 2020 12:49

Tgt Ion: 85 Resp: 31645

Ion Ratio Lower Upper

85 100

87 32.7 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VY0

Ion 86.90 (86.60 to 87.60): VY0

1.91

25000

20000

15000

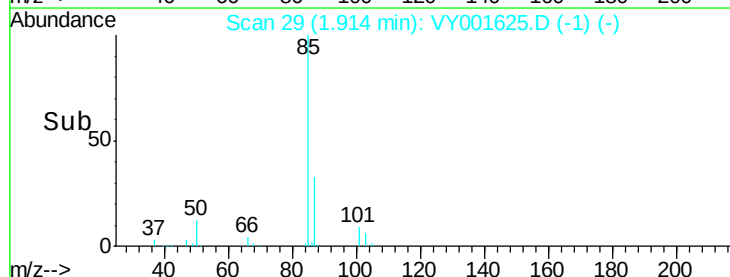
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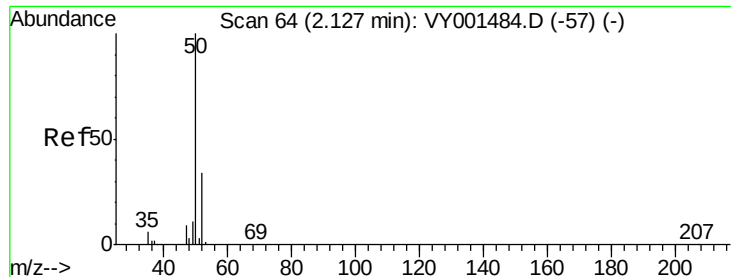
5000

0

1.85 1.90 1.95 2.00

Time-->





#3

Chloromethane

Concen: 22.301 ug/l

RT: 2.13 min Scan# 64

Delta R.T. 0.00 min

Lab File: VY001625.D

Acq: 13 Feb 2020 12:49

Instrument :

MSVOA_Y

ClientSampleId :

VY0213SBS01

Tot Ion: 50 Resp: 42661

Ion Ratio Lower Upper

50 100

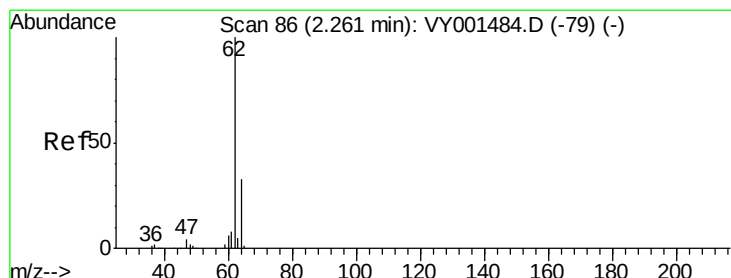
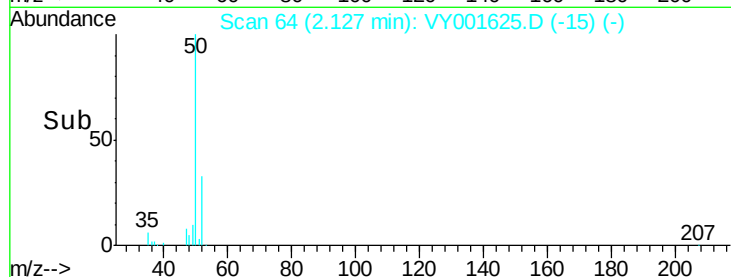
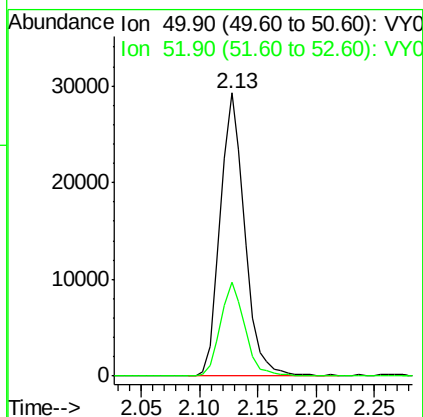
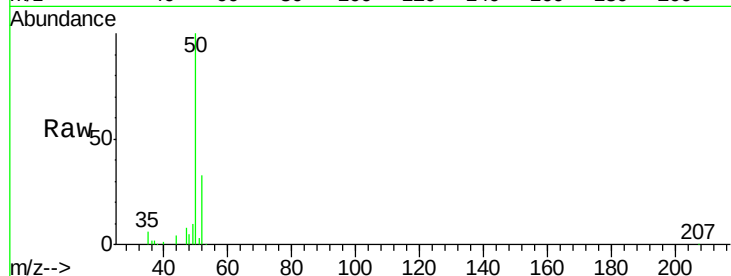
52 33.1 27.3 40.9

Manual Integrations

APPROVED

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2/14/2020 5:27:14 PM



#4

Vinyl Chloride

Concen: 22.417 ug/l

RT: 2.26 min Scan# 86

Delta R.T. 0.00 min

Lab File: VY001625.D

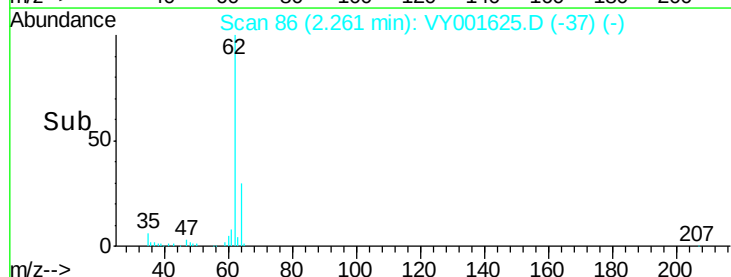
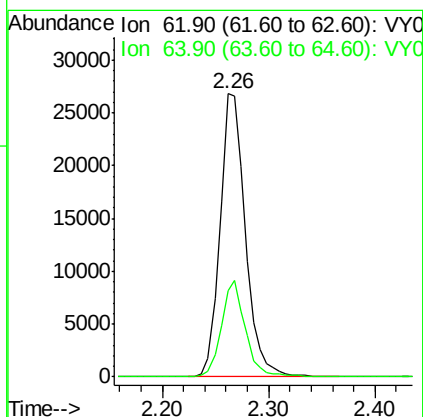
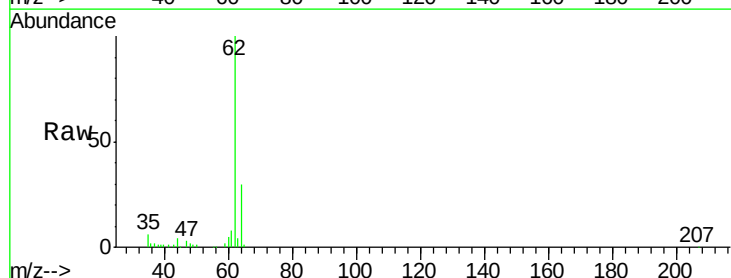
Acq: 13 Feb 2020 12:49

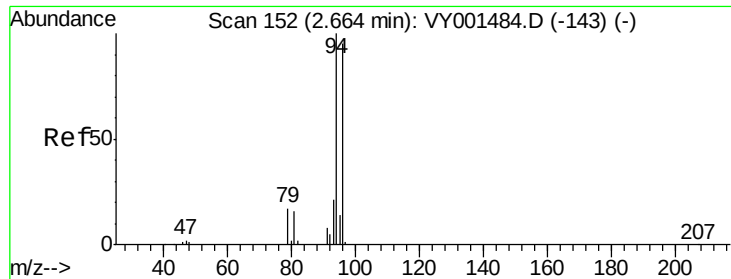
Tgt Ion: 62 Resp: 44527

Ion Ratio Lower Upper

62 100

64 30.3 26.4 39.6





#5

Bromomethane

Concen: 23.686 ug/l

RT: 2.66 min Scan# 151

Delta R.T. -0.01 min

Lab File: VY001625.D

Acq: 13 Feb 2020 12:49

Instrument :

MSVOA_Y

ClientSampleId :

VY0213SBS01

Tot Ion: 94 Resp: 29588

Ion Ratio Lower Upper

94 100

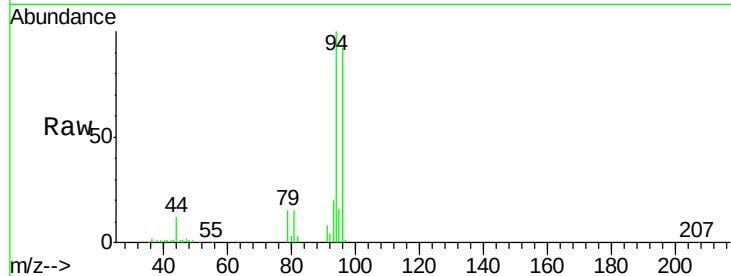
96 92.3 76.2 114.2

Manual Integrations

APPROVED

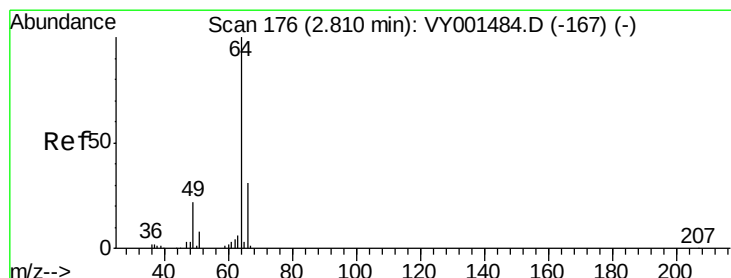
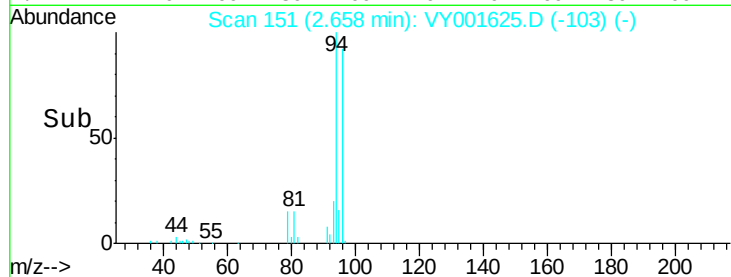
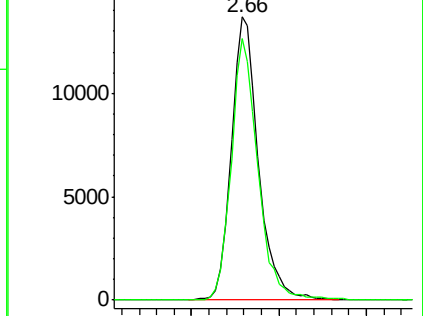
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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 22.930 ug/l

RT: 2.81 min Scan# 176

Delta R.T. 0.00 min

Lab File: VY001625.D

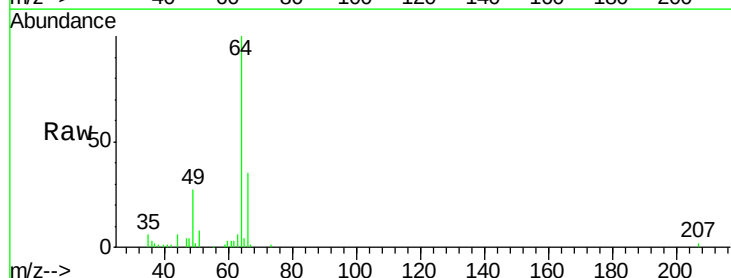
Acq: 13 Feb 2020 12:49

Tgt Ion: 64 Resp: 27454

Ion Ratio Lower Upper

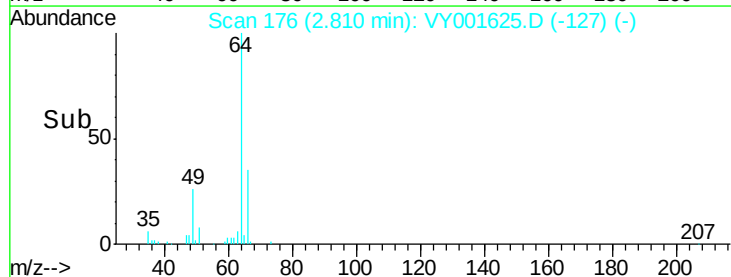
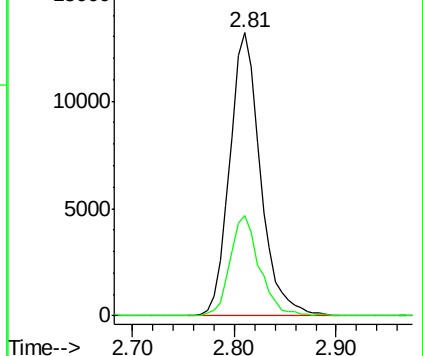
64 100

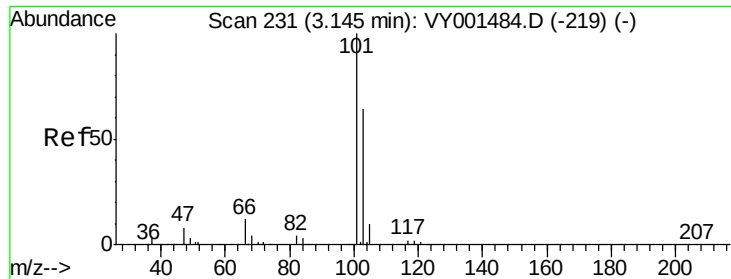
66 35.4 24.5 36.7



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

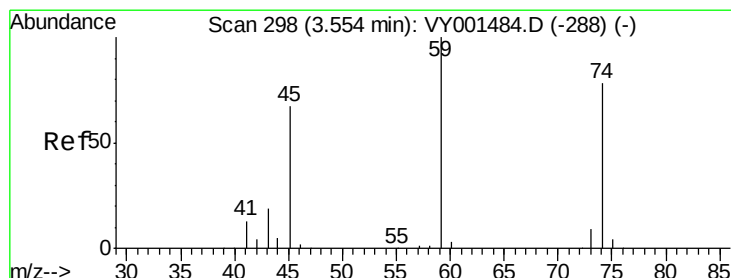
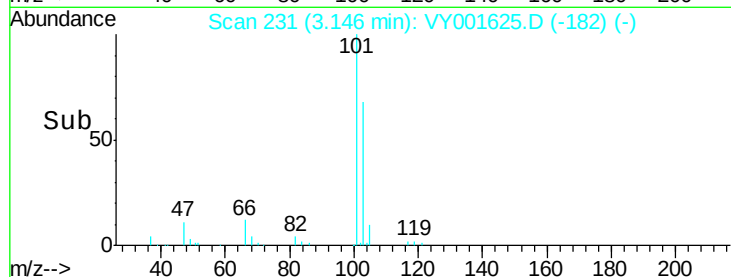
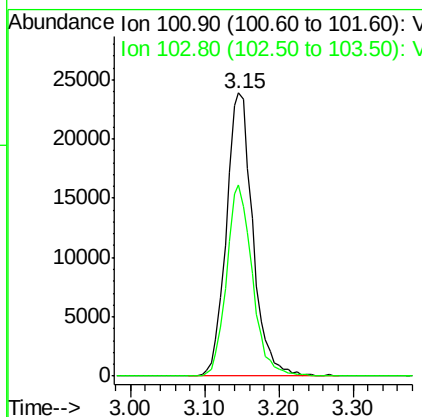
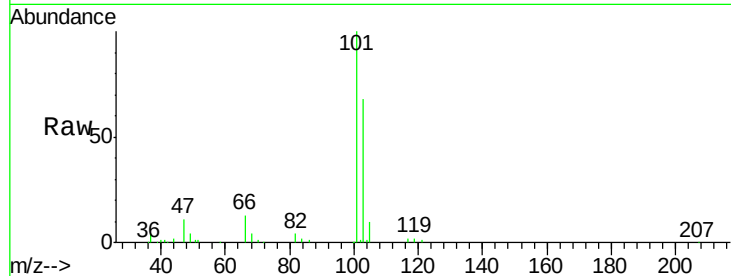
Trichlorofluoromethane
Concen: 18.082 ug/l
RT: 3.15 min Scan# 231
Delta R.T. 0.00 min
Lab File: VY001625.D
Acq: 13 Feb 2020 12:49

Instrument :
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ClientSampleId :
VY0213SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.6	50.9	76.3

Manual Integrations
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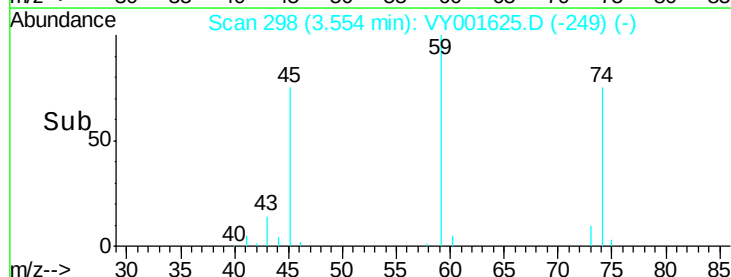
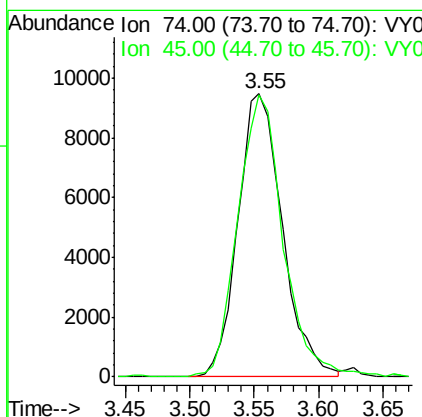
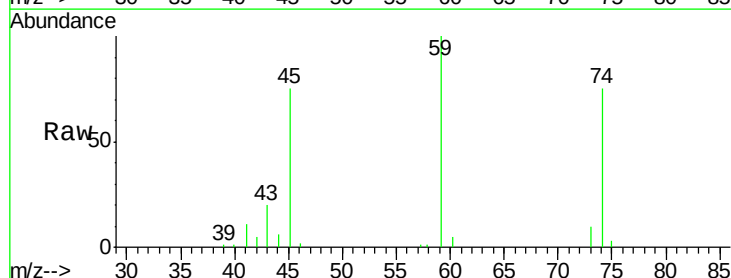
MMDadoda
2/14/2020 5:27:14 PM

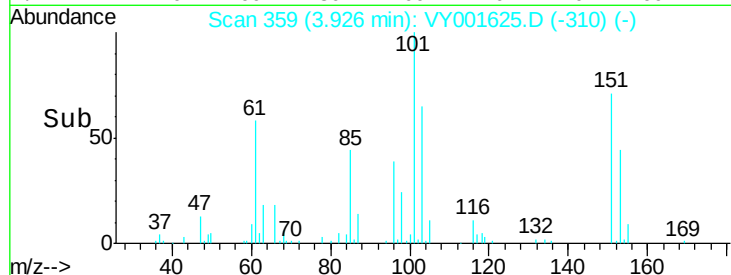
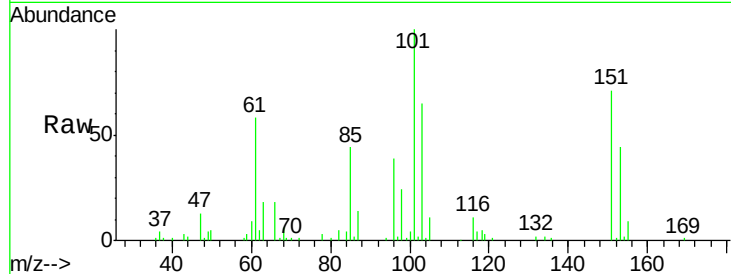
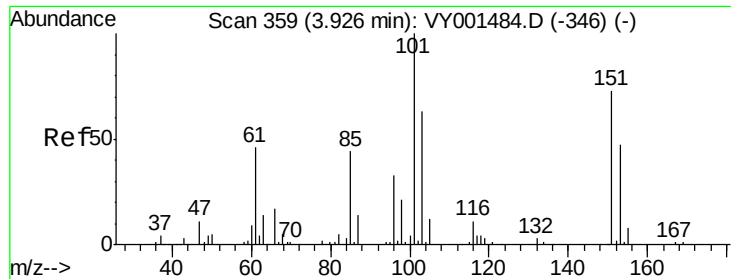


#8

Diethyl Ether
Concen: 20.449 ug/l
RT: 3.55 min Scan# 298
Delta R.T. 0.00 min
Lab File: VY001625.D
Acq: 13 Feb 2020 12:49

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.2	44.5	133.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.145 ug/l

RT: 3.93 min Scan# 359

Delta R.T. 0.00 min

Lab File: VY001625.D

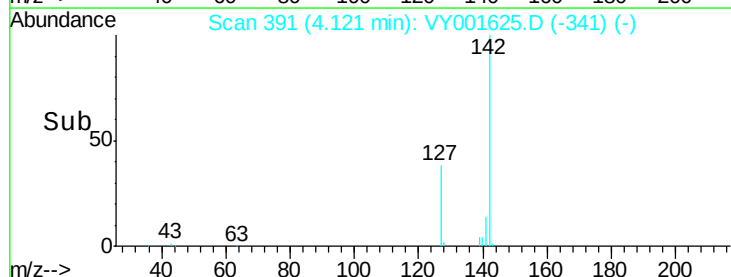
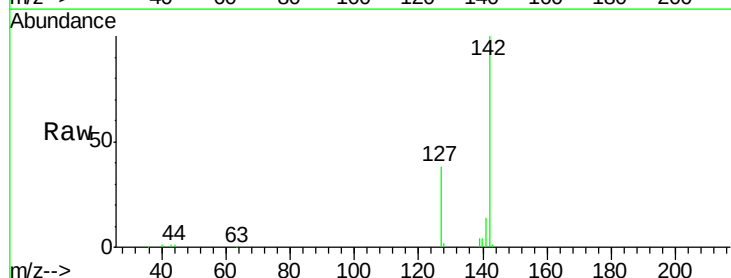
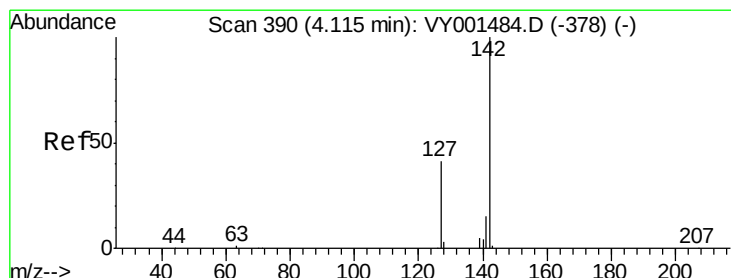
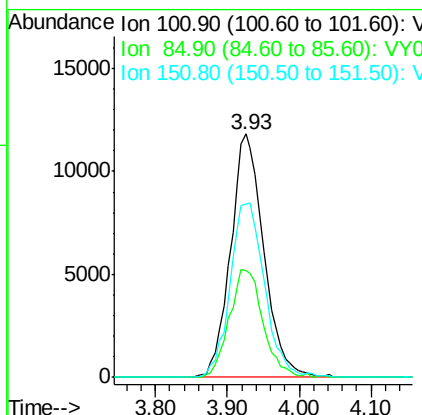
Acq: 13 Feb 2020 12:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0213SBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	37874		
85	44.8	34.6	51.8	
151	74.6	60.3	90.5	

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#10

Methyl Iodide

Concen: 17.362 ug/l

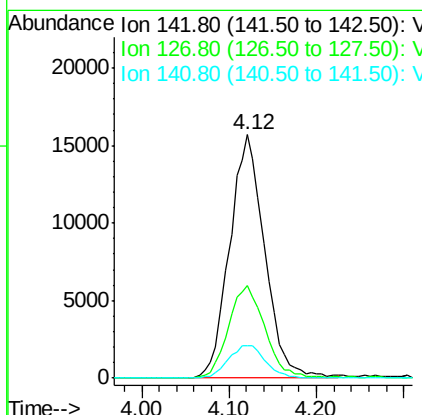
RT: 4.12 min Scan# 391

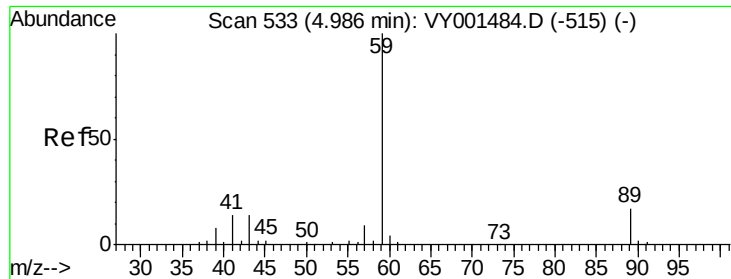
Delta R.T. 0.01 min

Lab File: VY001625.D

Acq: 13 Feb 2020 12:49

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	43764		
127	39.3	33.3	49.9	
141	14.1	11.5	17.3	





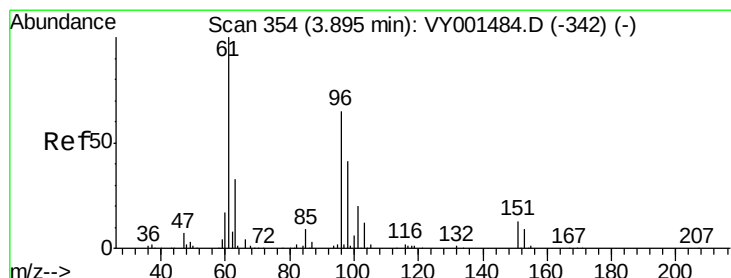
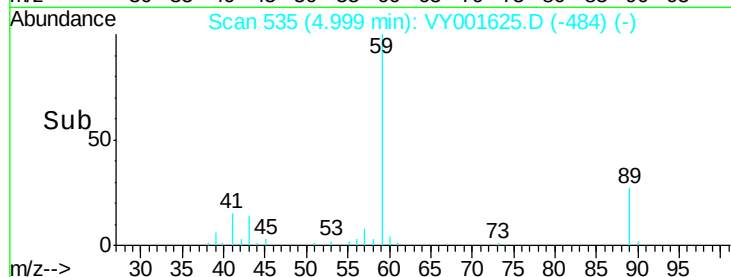
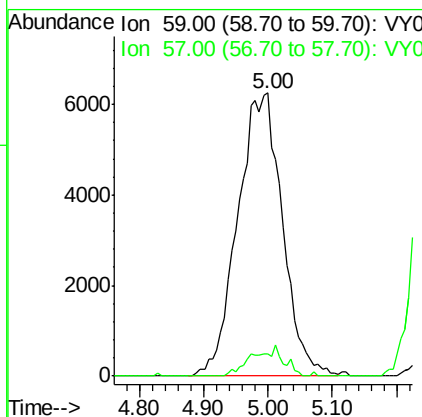
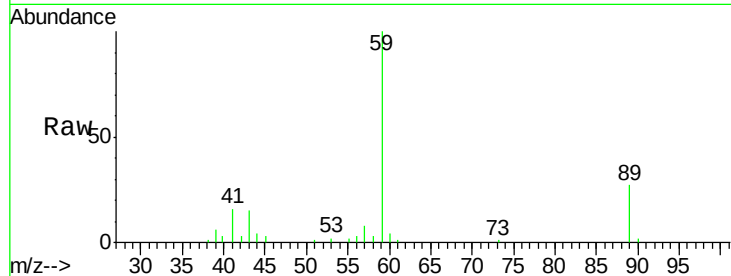
#11
Tert butyl alcohol
Concen: 124.716 ug/l
RT: 5.00 min Scan# 535
Delta R.T. 0.01 min
Lab File: VY001625.D
Acq: 13 Feb 2020 12:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0213SBS01

Tot Ion: 59 Resp: 29990
Ion Ratio Lower Upper
59 100
57 7.5 7.0 10.6

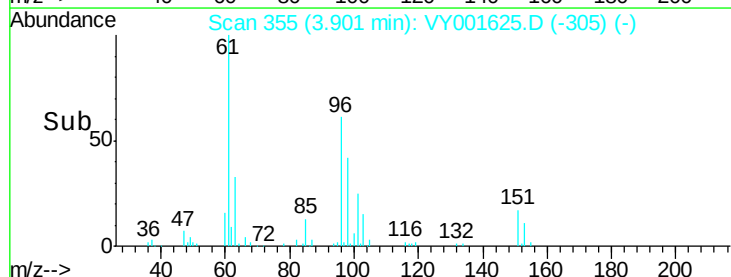
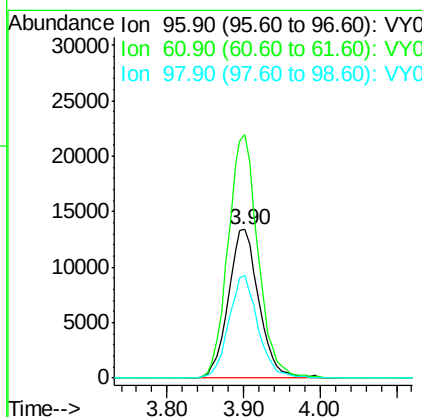
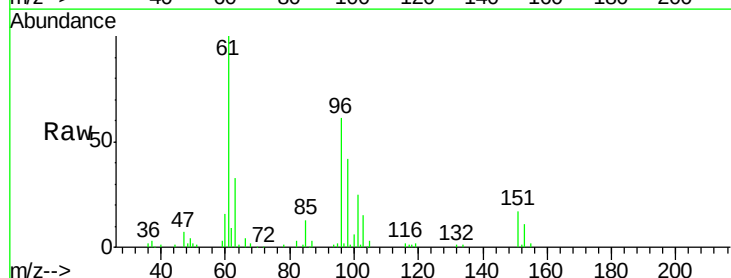
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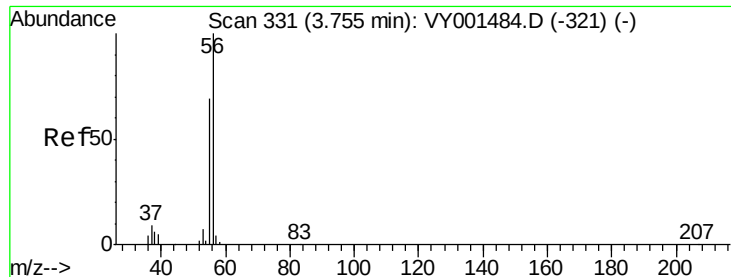
MMDadoda
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#12
1,1-Dichloroethene
Concen: 18.894 ug/l
RT: 3.90 min Scan# 355
Delta R.T. 0.01 min
Lab File: VY001625.D
Acq: 13 Feb 2020 12:49

Tgt Ion: 96 Resp: 37142
Ion Ratio Lower Upper
96 100
61 163.8 122.3 183.5
98 68.9 49.7 74.5





#13

Acrolein

Concen: 95.558 ug/l

RT: 3.76 min Scan# 332

Delta R.T. 0.01 min

Lab File: VY001625.D

Acq: 13 Feb 2020 12:49

Instrument :

MSVOA_Y

ClientSampleId :

VY0213SBS01

Tot Ion: 56 Resp: 17034

Ion Ratio Lower Upper

56 100

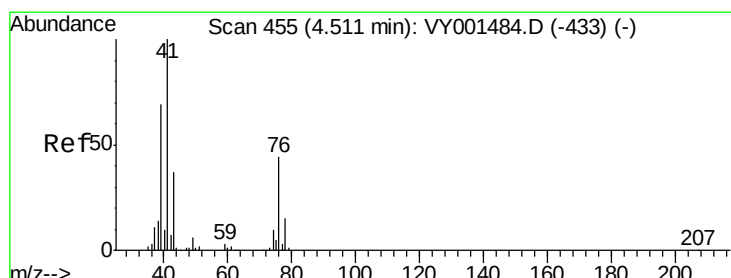
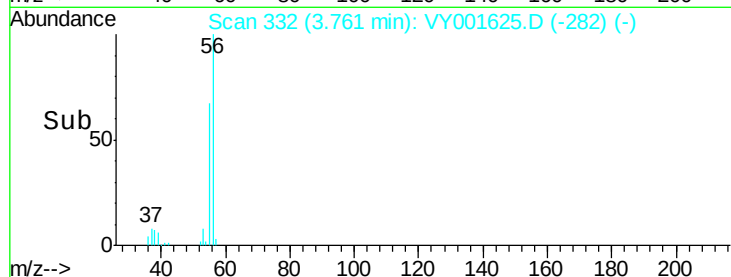
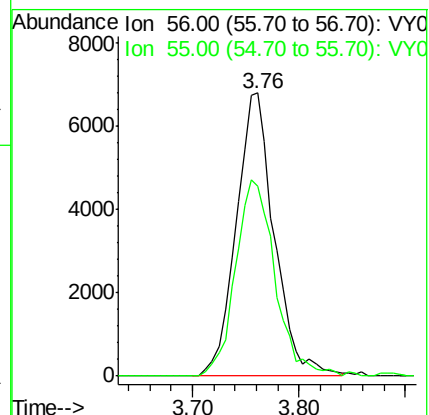
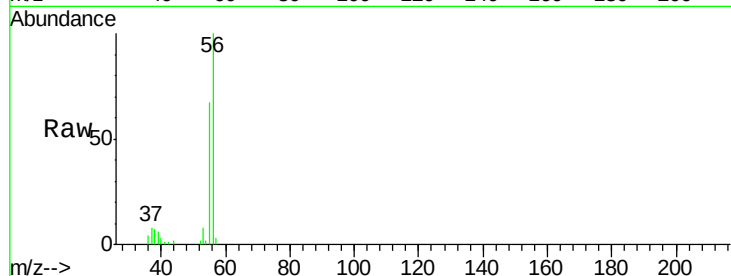
55 72.1 56.2 84.4

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#14

Allyl chloride

Concen: 22.285 ug/l

RT: 4.51 min Scan# 455

Delta R.T. 0.00 min

Lab File: VY001625.D

Acq: 13 Feb 2020 12:49

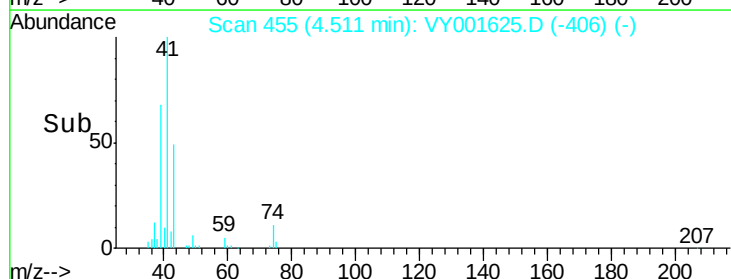
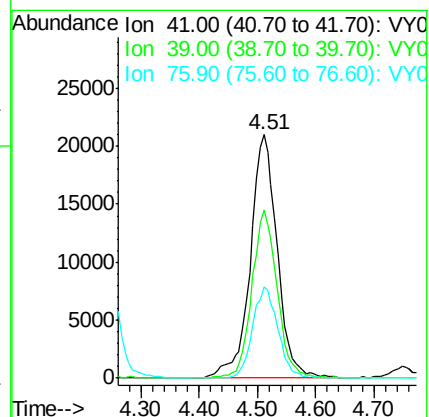
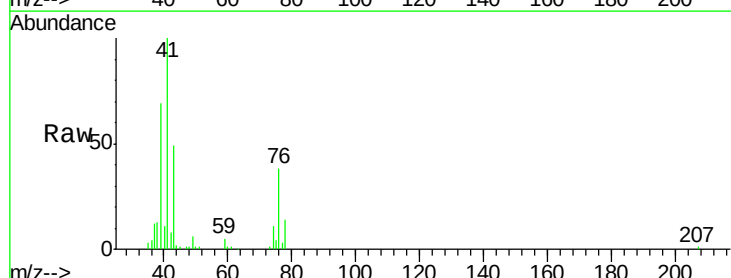
Tgt Ion: 41 Resp: 67016

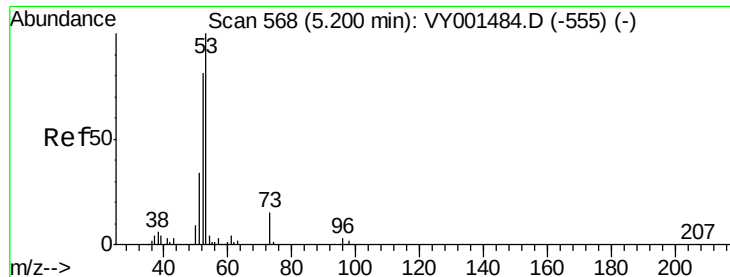
Ion Ratio Lower Upper

41 100

39 64.7 53.0 79.6

76 35.3 32.6 48.8





#15

Acrylonitrile

Concen: 124.376 ug/l

RT: 5.20 min Scan# 568

Delta R.T. 0.00 min

Lab File: VY001625.D

Acq: 13 Feb 2020 12:49

Instrument :

MSVOA_Y

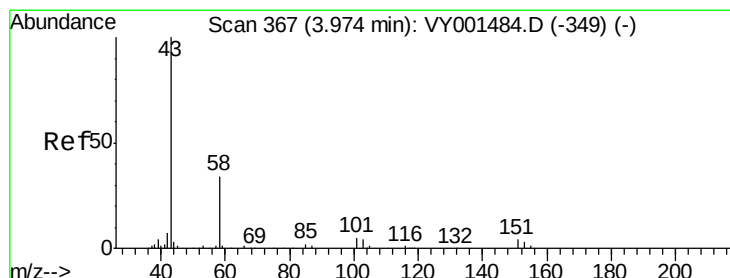
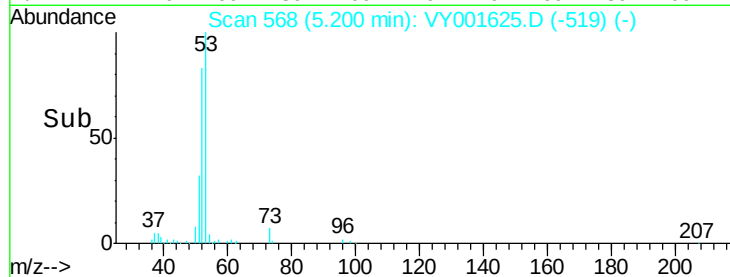
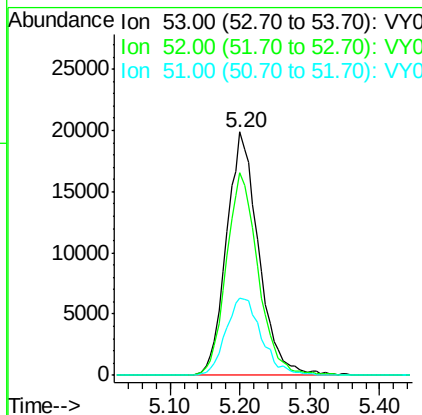
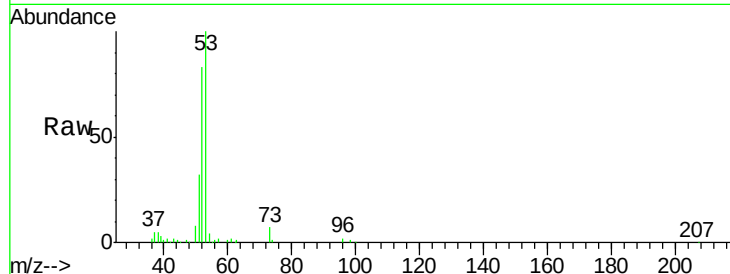
ClientSampleId :

VY0213BSD01

Tot Ion:	53	Resp:	63261
Ion Ratio	Lower	Upper	
53	100		
52	82.6	65.4	98.2
51	35.5	29.0	43.4

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#16

Acetone

Concen: 112.211 ug/l

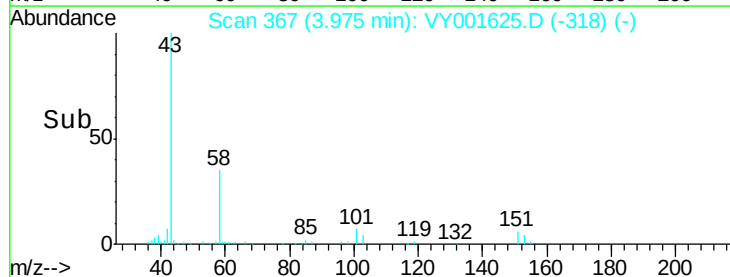
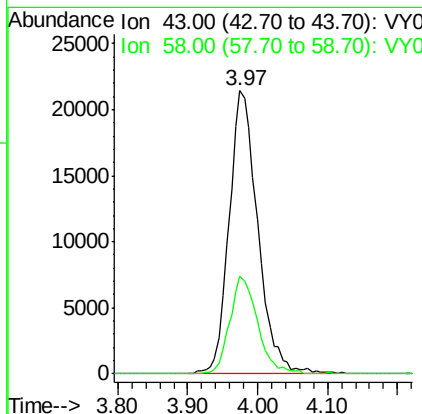
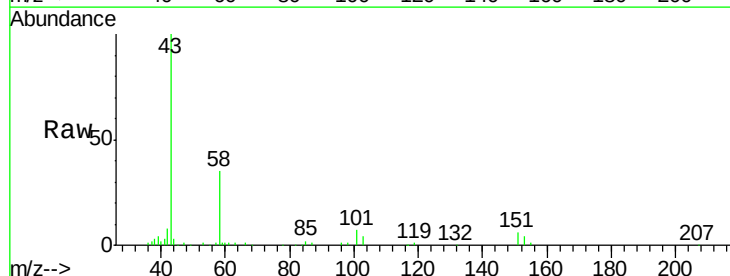
RT: 3.97 min Scan# 367

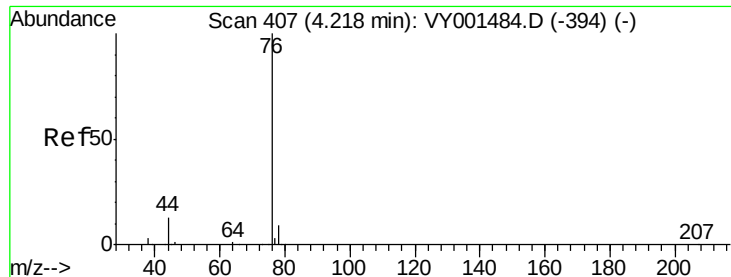
Delta R.T. 0.00 min

Lab File: VY001625.D

Acq: 13 Feb 2020 12:49

Tgt Ion:	43	Resp:	61105
Ion Ratio	Lower	Upper	
43	100		
58	34.7	27.5	41.3





#17

Carbon Disulfide

Concen: 18.969 ug/l

RT: 4.22 min Scan# 408

Delta R.T. 0.01 min

Lab File: VY001625.D

Acq: 13 Feb 2020 12:49

Instrument :

MSVOA_Y

ClientSampleId :

VY0213SBS01

Tot Ion: 76 Resp: 118706

Ion Ratio Lower Upper

76 100

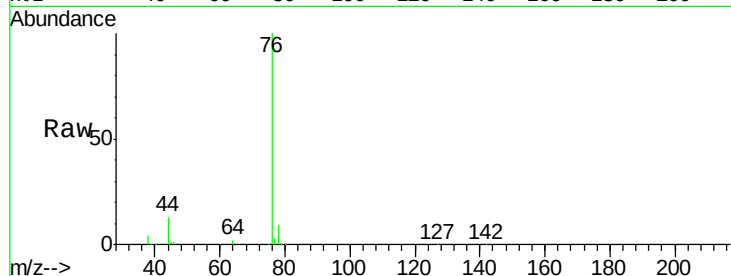
78 8.8 7.0 10.6

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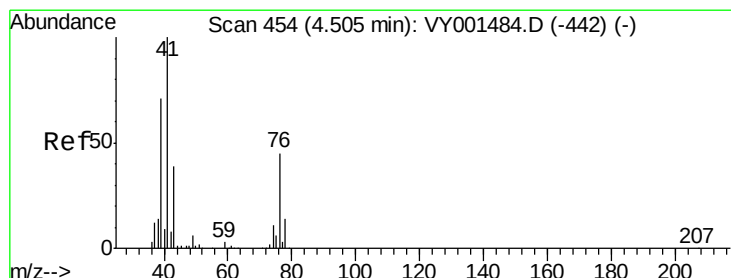
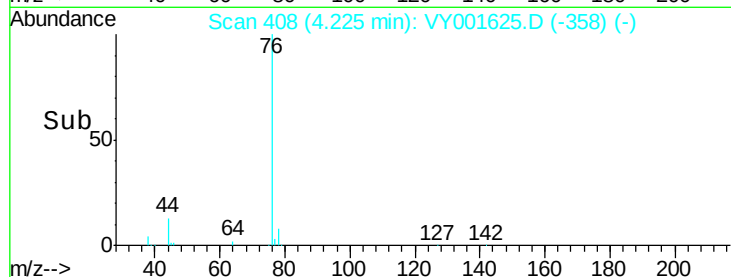
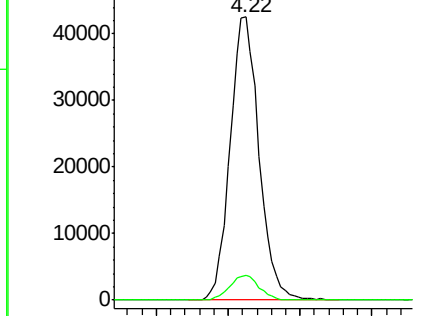
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Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#18

Methyl Acetate

Concen: 28.193 ug/l

RT: 4.50 min Scan# 454

Delta R.T. 0.00 min

Lab File: VY001625.D

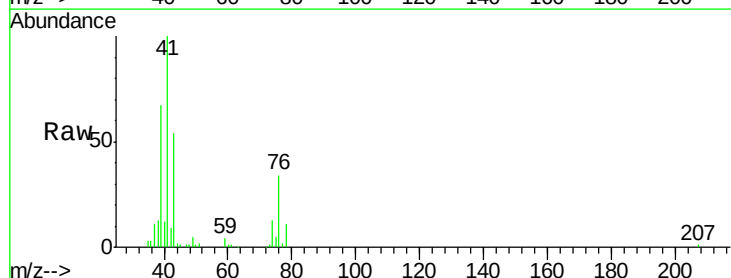
Acq: 13 Feb 2020 12:49

Tgt Ion: 43 Resp: 32762

Ion Ratio Lower Upper

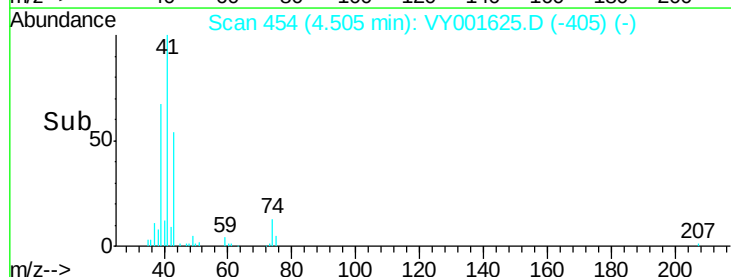
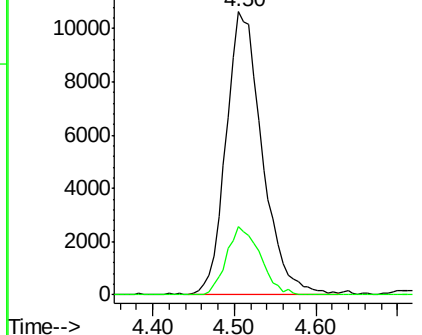
43 100

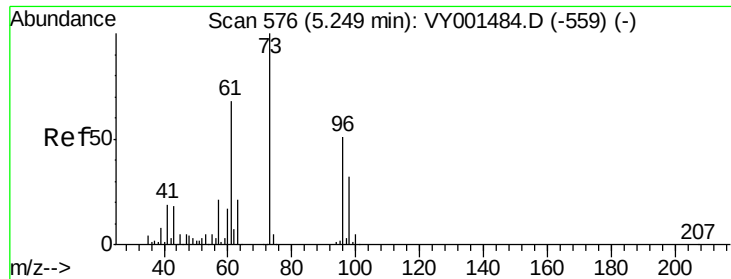
74 22.3 21.0 31.6



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0





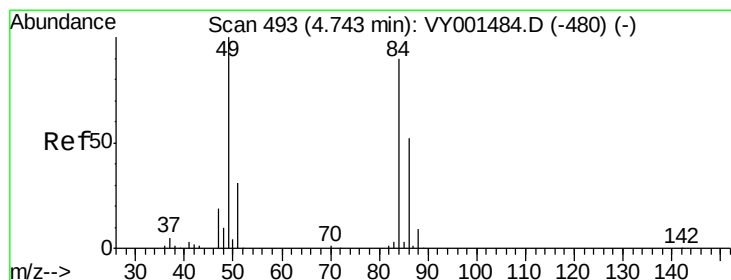
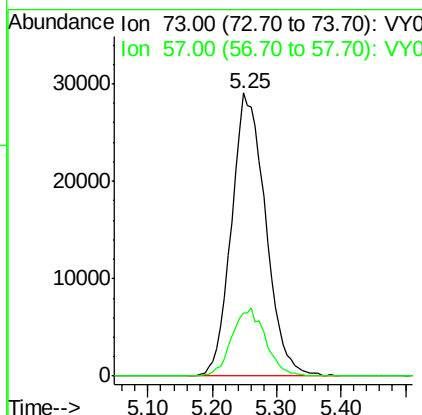
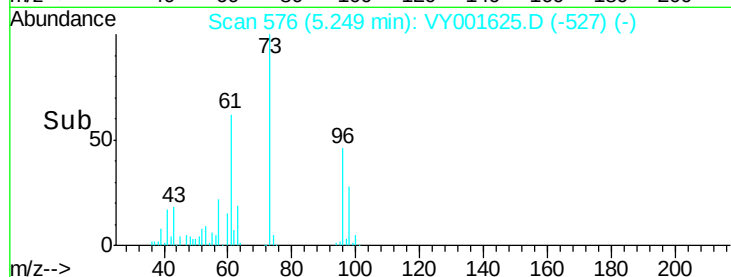
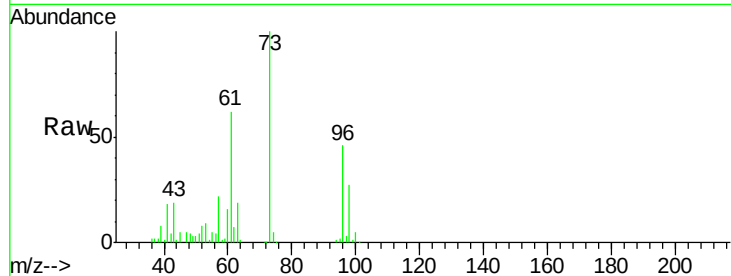
#19
Methyl tert-butyl Ether
Concen: 20.397 ug/l
RT: 5.25 min Scan# 576
Delta R.T. 0.00 min
Lab File: VY001625.D
Acq: 13 Feb 2020 12:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0213SBS01

Tot Ion: 73 Resp: 106632
Ion Ratio Lower Upper
73 100
57 22.4 17.0 25.6

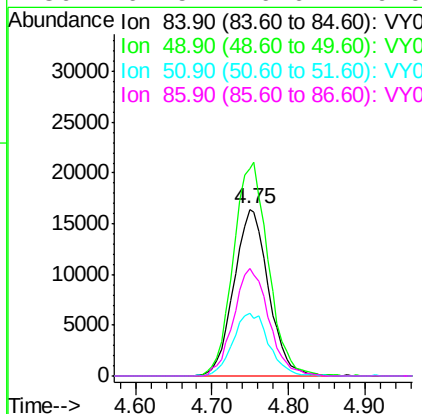
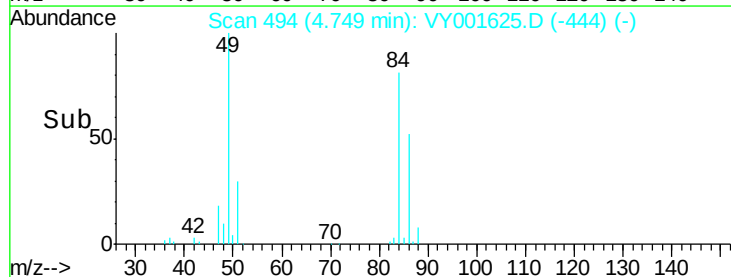
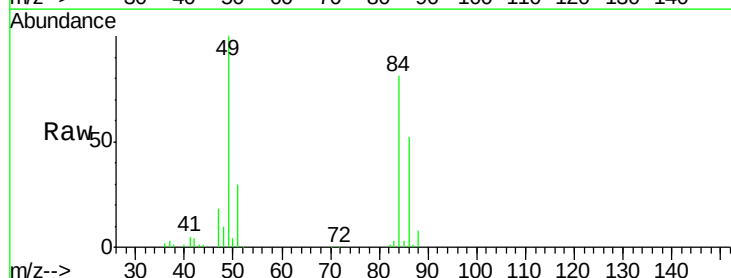
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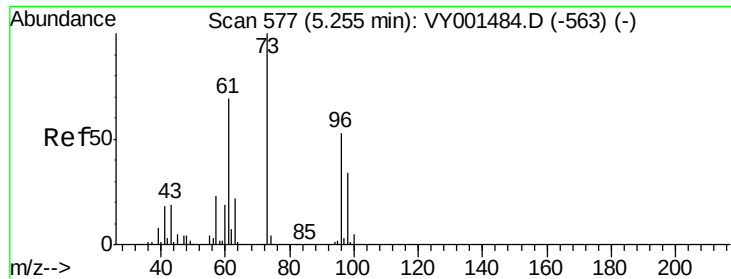
MMDadoda
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#20
Methylene Chloride
Concen: 21.538 ug/l
RT: 4.75 min Scan# 494
Delta R.T. 0.01 min
Lab File: VY001625.D
Acq: 13 Feb 2020 12:49

Tgt Ion: 84 Resp: 51661
Ion Ratio Lower Upper
84 100
49 124.0 89.0 133.6
51 37.6 27.4 41.2
86 64.5 46.6 70.0





#21

trans-1,2-Dichloroethene

Concen: 19.293 ug/l

RT: 5.25 min Scan# 577

Delta R.T. 0.00 min

Lab File: VY001625.D

Acq: 13 Feb 2020 12:49

Instrument :

MSVOA_Y

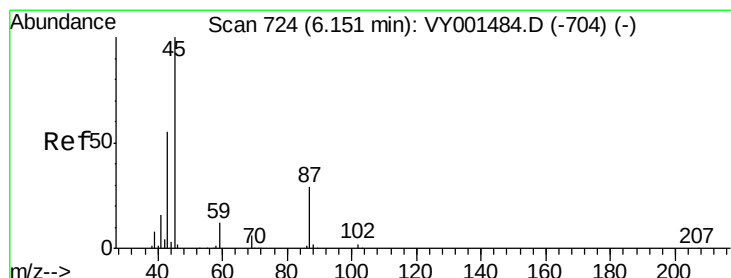
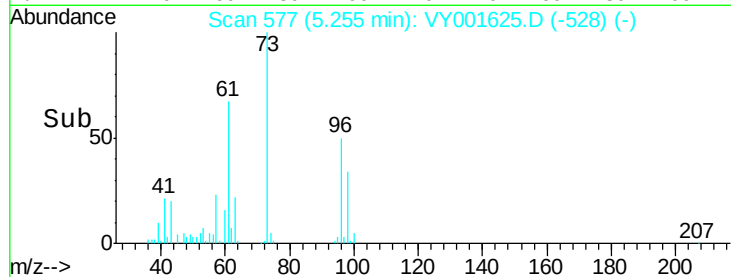
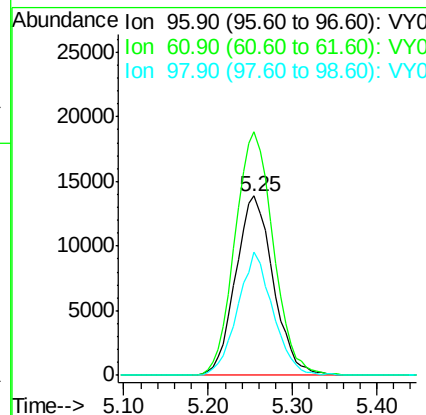
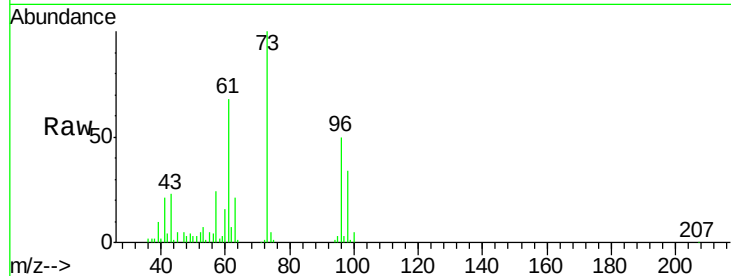
ClientSampleId :

VY0213SBS01

Tot Ion:	96	Resp:	42161
Ion	Ratio	Lower	Upper
96	100		
61	135.7	104.2	156.4
98	68.7	51.4	77.0

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#22

Diisopropyl ether

Concen: 23.367 ug/l

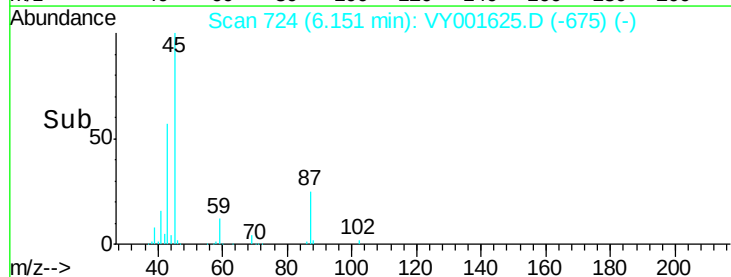
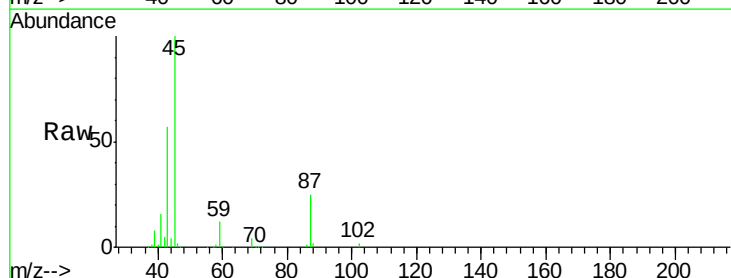
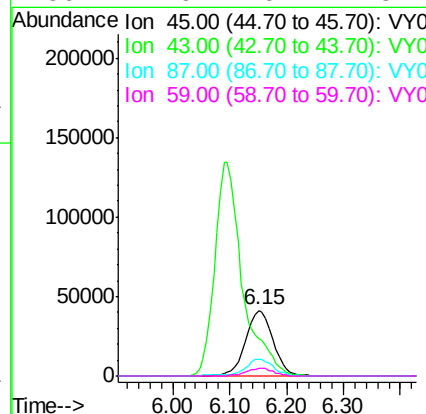
RT: 6.15 min Scan# 724

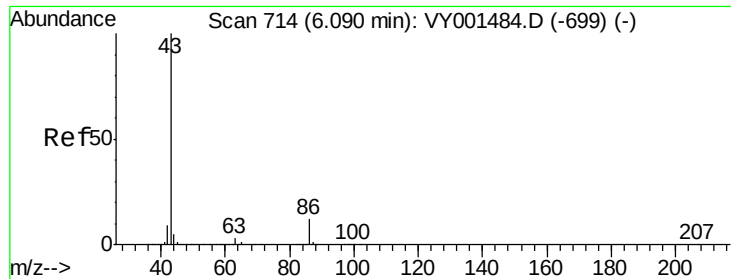
Delta R.T. 0.00 min

Lab File: VY001625.D

Acq: 13 Feb 2020 12:49

Tgt Ion:	45	Resp:	139217
Ion	Ratio	Lower	Upper
45	100		
43	56.7	44.2	66.4
87	25.3	23.9	35.9
59	11.9	10.2	15.2





#23

Vinyl Acetate

Concen: 120.059 ug/l

RT: 6.09 min Scan# 714

Delta R.T. 0.00 min

Lab File: VY001625.D

Acq: 13 Feb 2020 12:49

Instrument :

MSVOA_Y

ClientSampleId :

VY0213SBS01

Tot Ion: 43 Resp: 455358

Ion Ratio Lower Upper

43 100

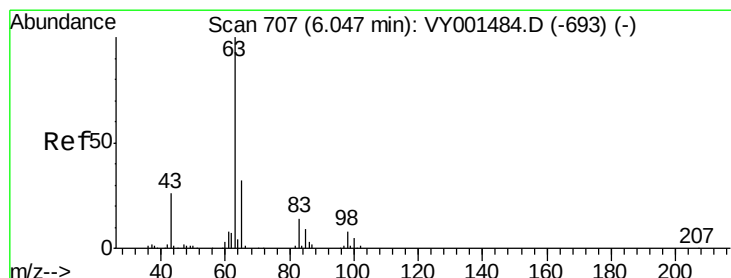
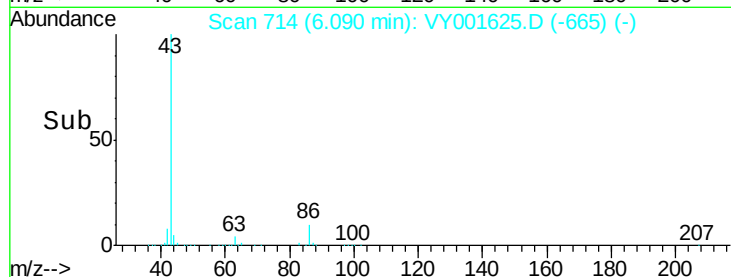
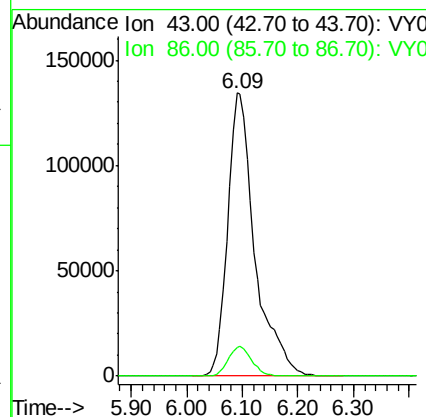
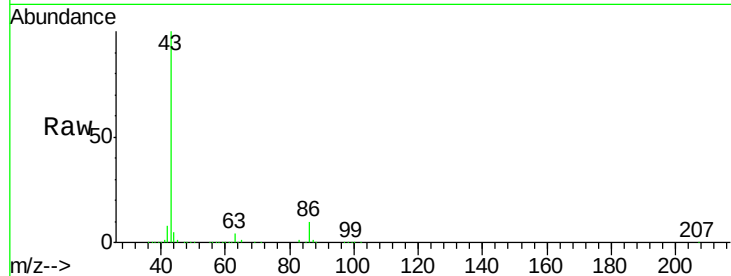
86 10.1 9.8 14.8

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 20.684 ug/l

RT: 6.05 min Scan# 708

Delta R.T. 0.01 min

Lab File: VY001625.D

Acq: 13 Feb 2020 12:49

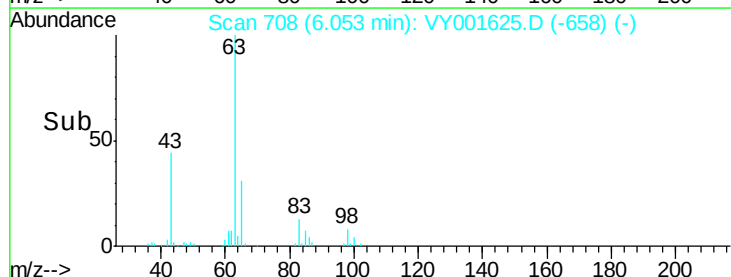
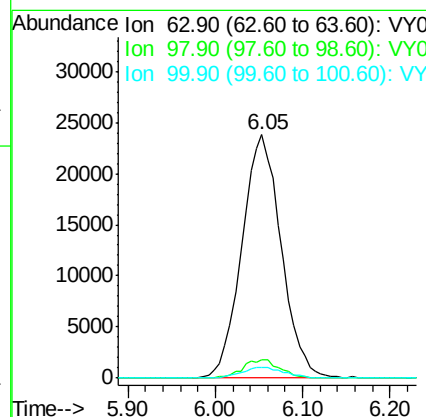
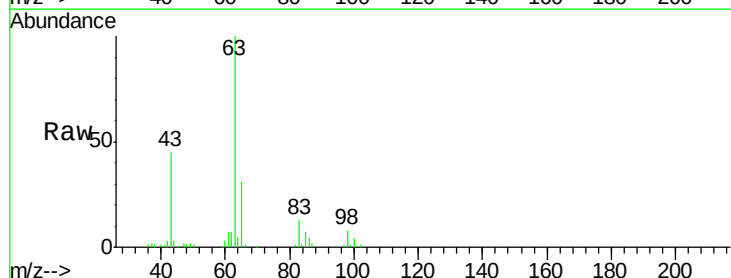
Tgt Ion: 63 Resp: 74125

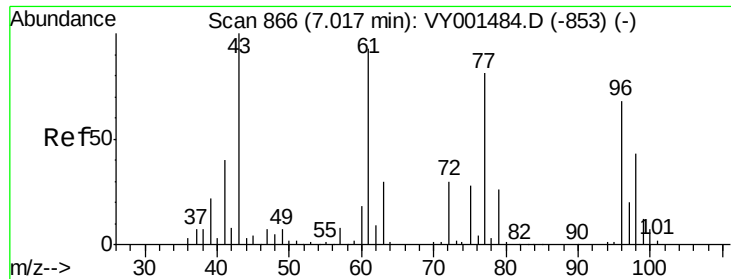
Ion Ratio Lower Upper

63 100

98 7.6 4.0 11.9

100 4.1 2.6 8.0





#25

2-Butanone

Concen: 126.558 ug/l

RT: 7.02 min Scan# 866

Delta R.T. 0.00 min

Lab File: VY001625.D

Acq: 13 Feb 2020 12:49

Instrument :

MSVOA_Y

ClientSampleId :

VY0213SBS01

Tot Ion: 43 Resp: 89410

Ion Ratio Lower Upper

43 100

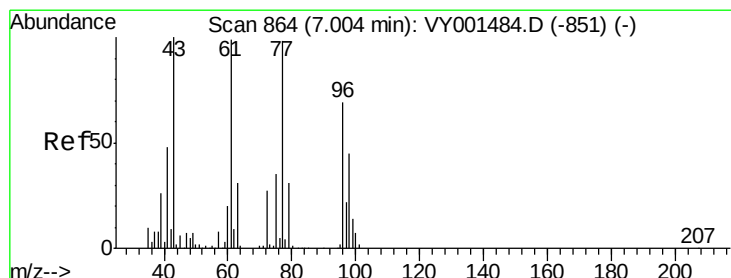
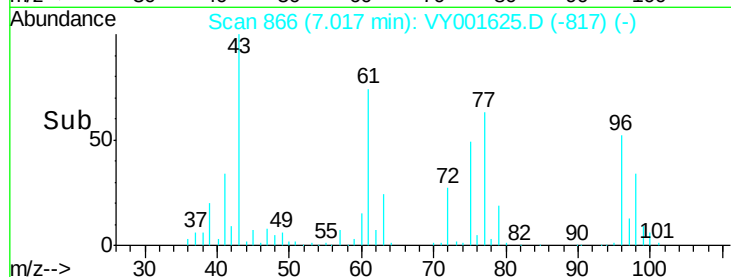
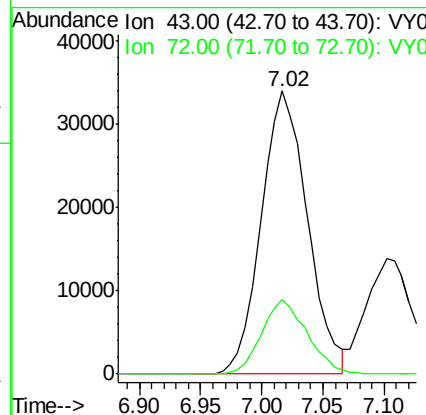
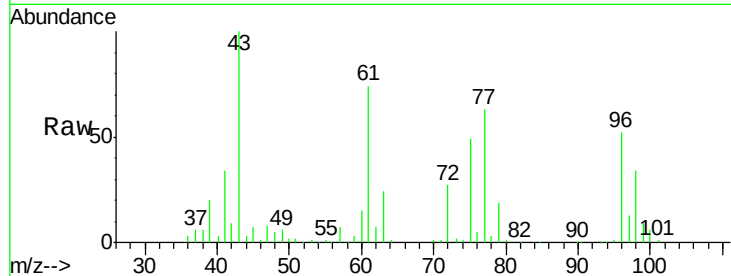
72 26.6 23.8 35.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 19.057 ug/l

RT: 7.02 min Scan# 866

Delta R.T. 0.01 min

Lab File: VY001625.D

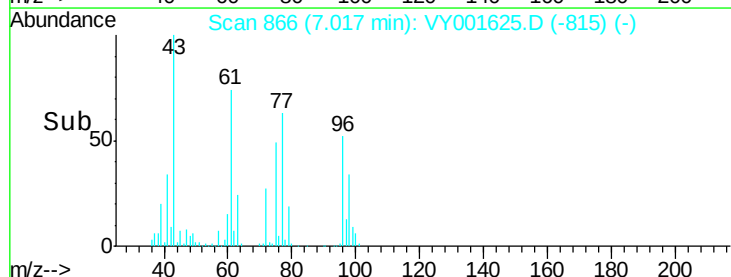
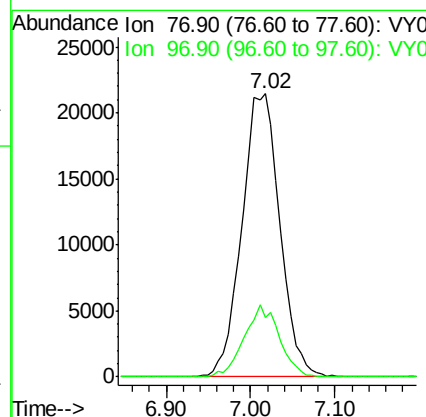
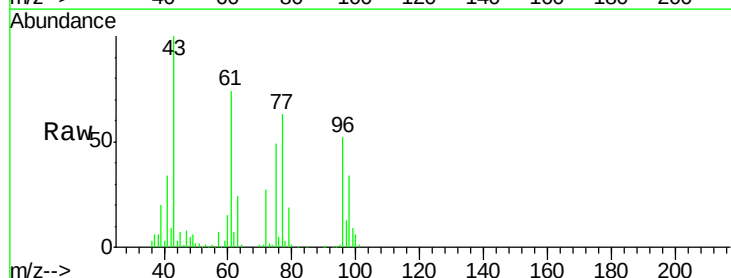
Acq: 13 Feb 2020 12:49

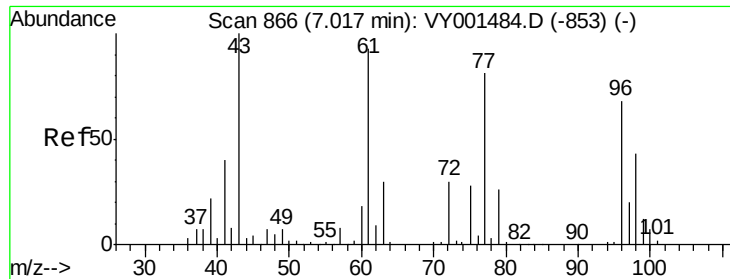
Tgt Ion: 77 Resp: 65361

Ion Ratio Lower Upper

77 100

97 23.5 11.7 35.0





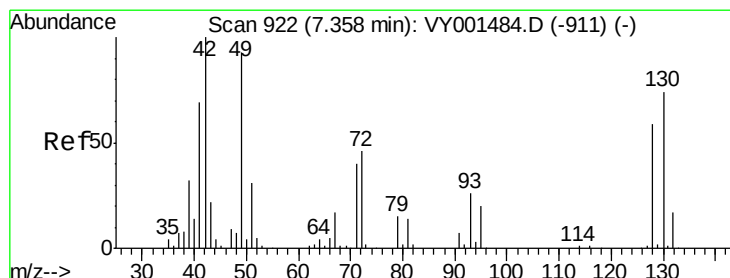
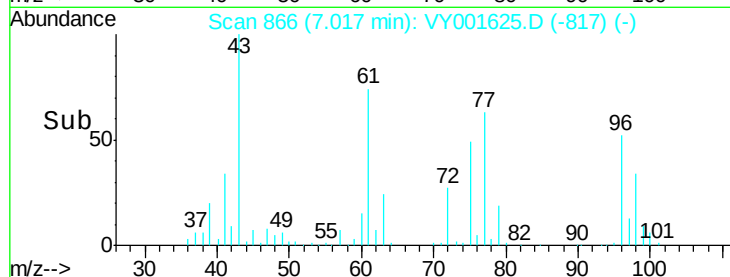
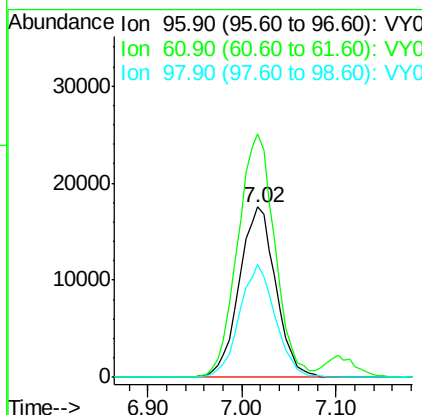
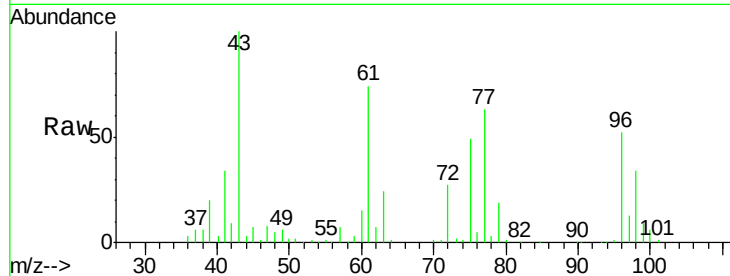
#27
 cis-1,2-Dichloroethene
 Concen: 19.977 ug/l
 RT: 7.02 min Scan# 866
 Delta R.T. 0.00 min
 Lab File: VY001625.D
 Acq: 13 Feb 2020 12:49

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0213SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	145.0	0.0	278.8
98	64.4	0.0	128.8

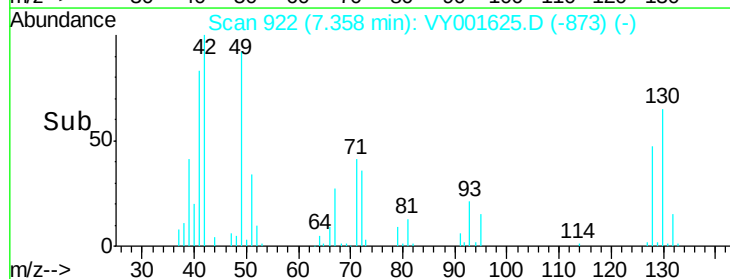
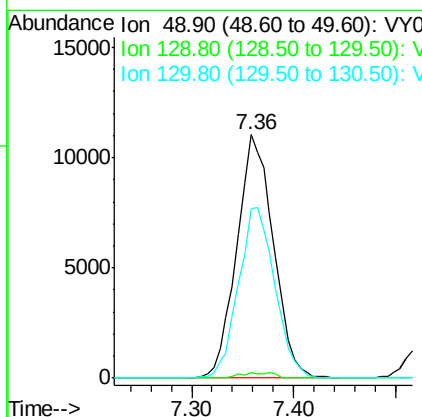
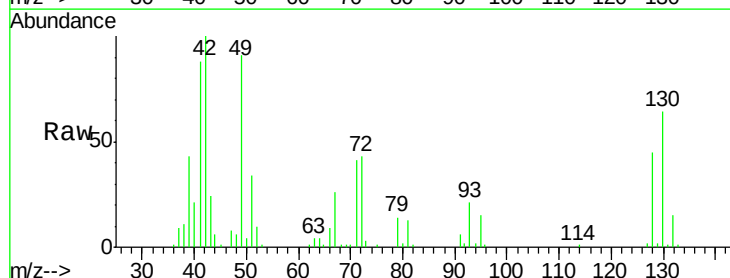
Manual Integrations
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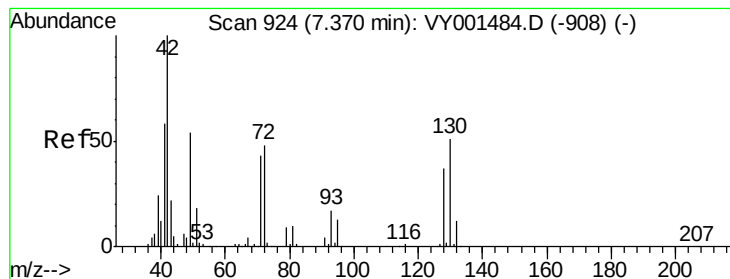
MMDadoda
 2/14/2020 5:27:14 PM



#28
 Bromochloromethane
 Concen: 22.508 ug/l
 RT: 7.36 min Scan# 922
 Delta R.T. 0.00 min
 Lab File: VY001625.D
 Acq: 13 Feb 2020 12:49

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.8
130	69.7	65.4	98.2





#29

Tetrahydrofuran

Concen: 132.042 ug/l

RT: 7.38 min Scan# 925

Delta R.T. 0.01 min

Lab File: VY001625.D

Acq: 13 Feb 2020 12:49

Instrument :

MSVOA_Y

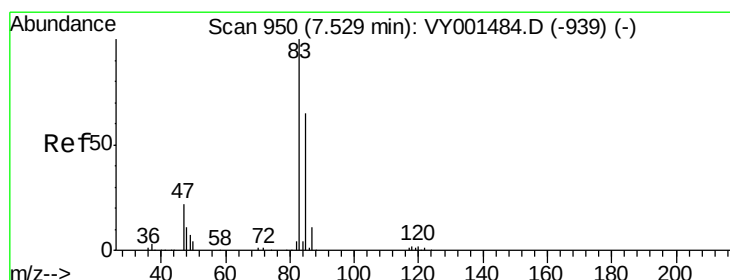
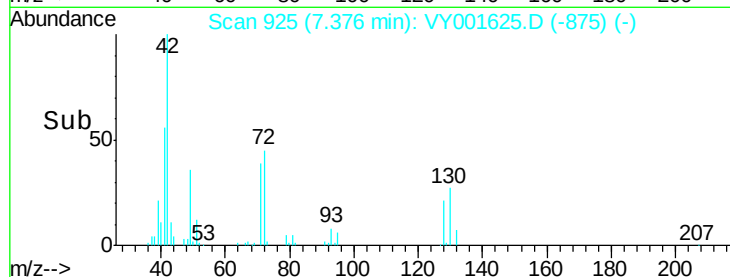
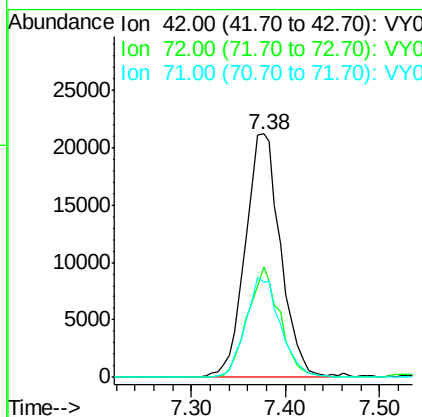
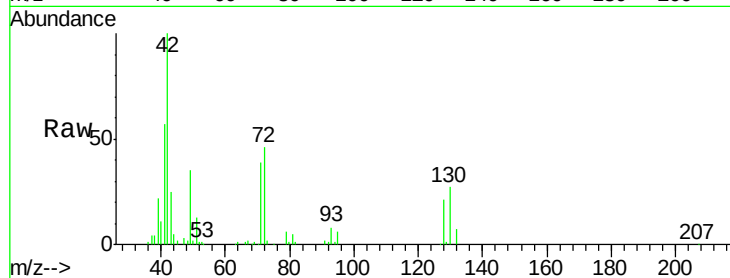
ClientSampleId :

VY0213SBS01

Tot Ion:	42	Resp:	55912
Ion Ratio	Lower	Upper	
42	100		
72	41.7	37.8	56.6
71	40.4	34.8	52.2

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#30

Chloroform

Concen: 19.670 ug/l

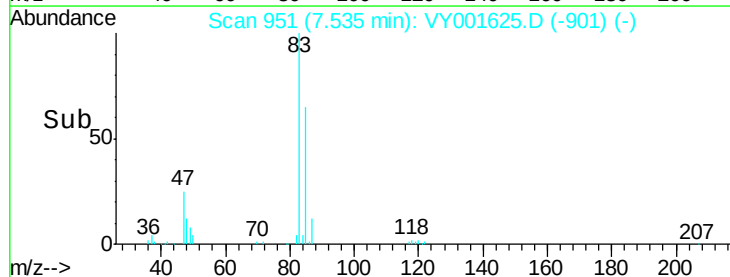
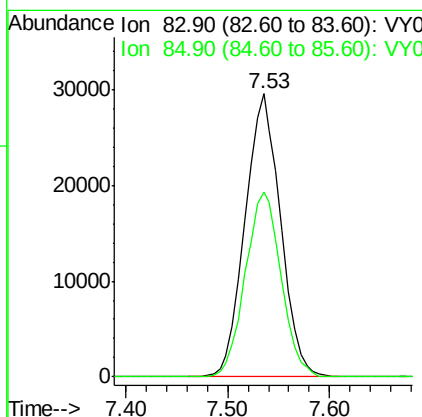
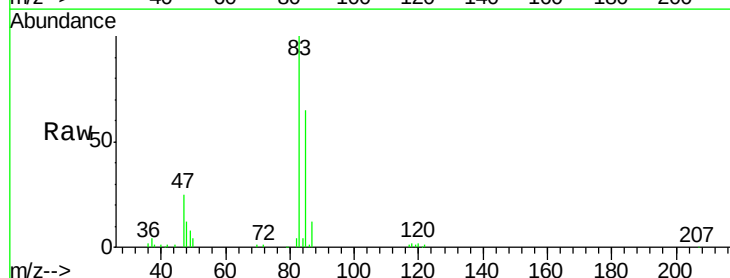
RT: 7.53 min Scan# 951

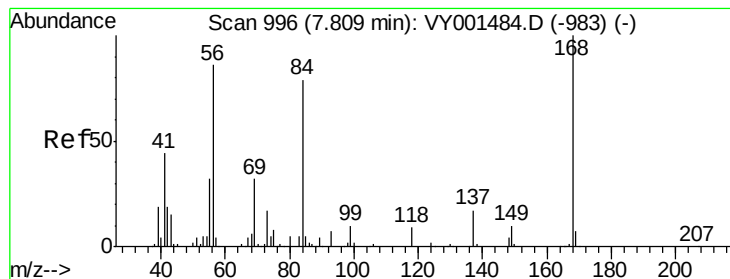
Delta R.T. 0.01 min

Lab File: VY001625.D

Acq: 13 Feb 2020 12:49

Tgt Ion:	83	Resp:	71403
Ion Ratio	Lower	Upper	
83	100		
85	65.3	52.4	78.6





#31

Cyclohexane

Concen: 21.038 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.00 min

Lab File: VY001625.D

Acq: 13 Feb 2020 12:49

Instrument :

MSVOA_Y

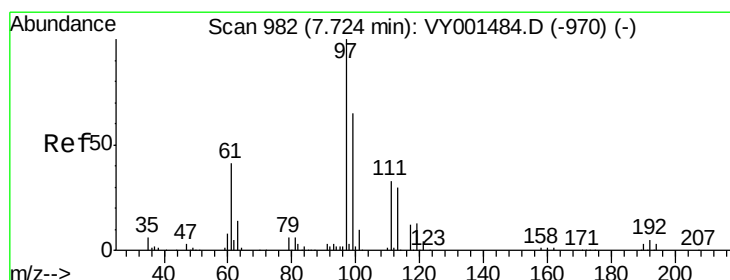
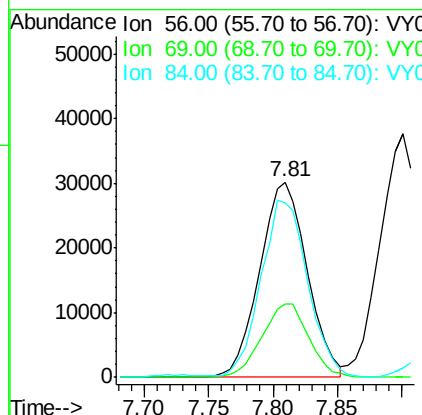
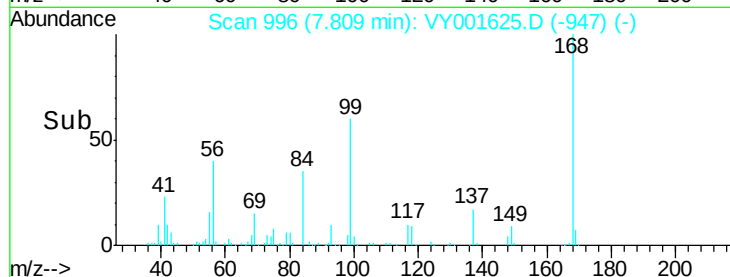
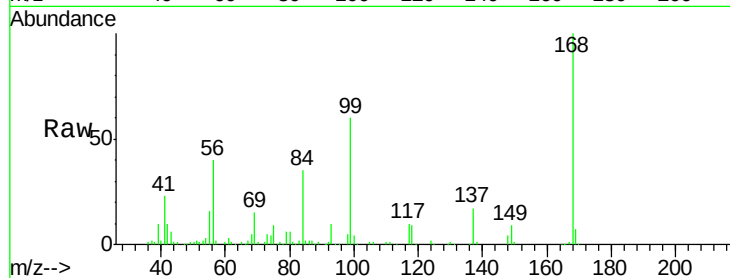
ClientSampleId :

VY0213SBS01

Tot Ion:	56	Resp:	77122
Ion Ratio	Lower	Upper	
56	100		
69	37.3	29.6	44.4
84	88.2	73.6	110.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 18.538 ug/l

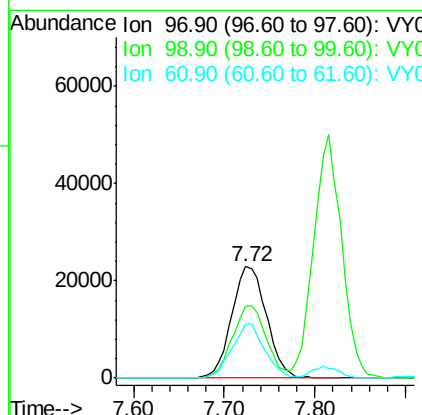
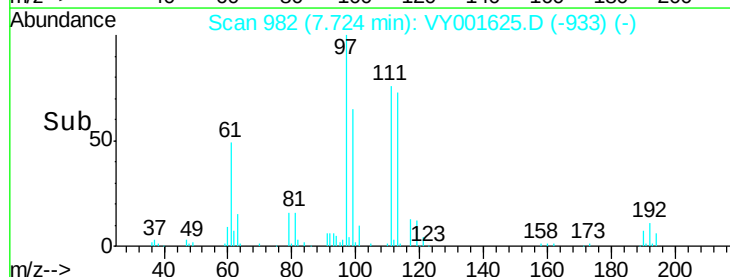
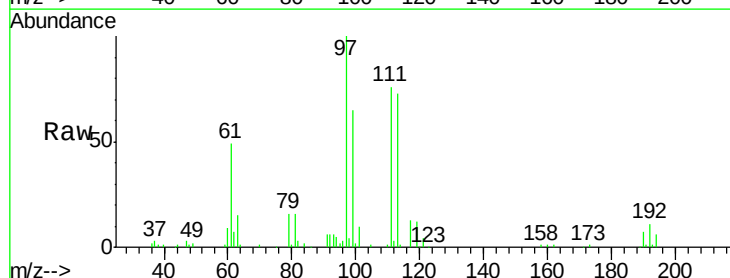
RT: 7.72 min Scan# 982

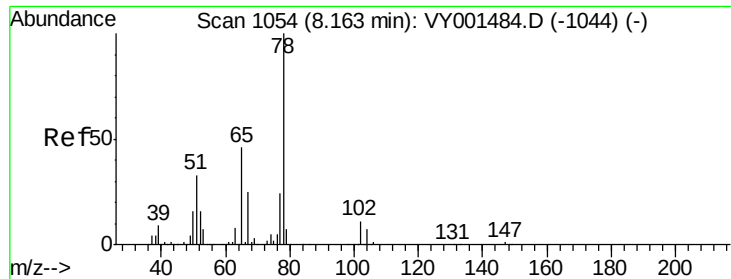
Delta R.T. 0.00 min

Lab File: VY001625.D

Acq: 13 Feb 2020 12:49

Tgt Ion:	97	Resp:	61011
Ion Ratio	Lower	Upper	
97	100		
99	64.0	51.8	77.8
61	46.0	32.5	48.7





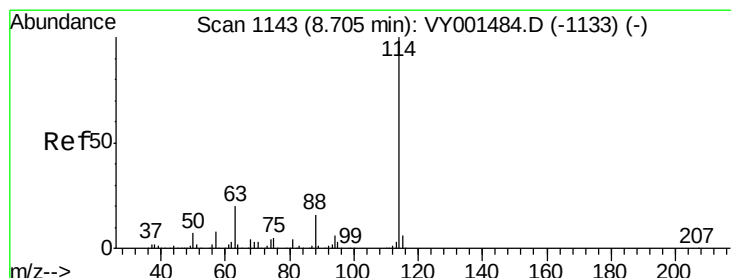
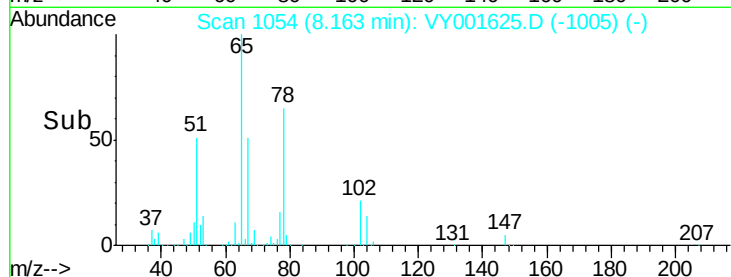
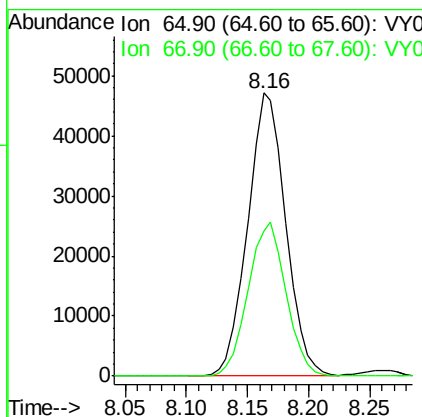
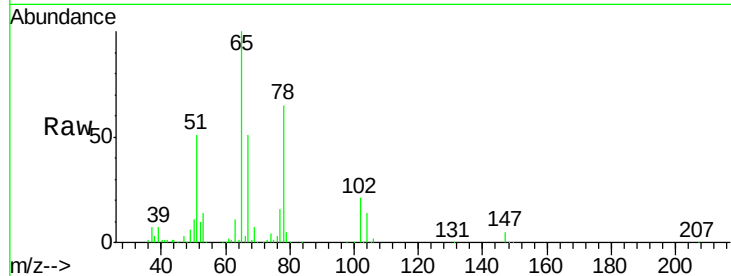
#33
 1,2-Dichloroethane-d4
 Concen: 54.201 ug/l
 RT: 8.16 min Scan# 1054
 Delta R.T. 0.00 min
 Lab File: VY001625.D
 Acq: 13 Feb 2020 12:49

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0213SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.1	0.0	102038	108.6

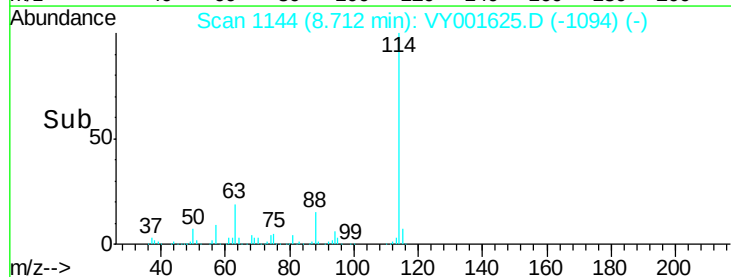
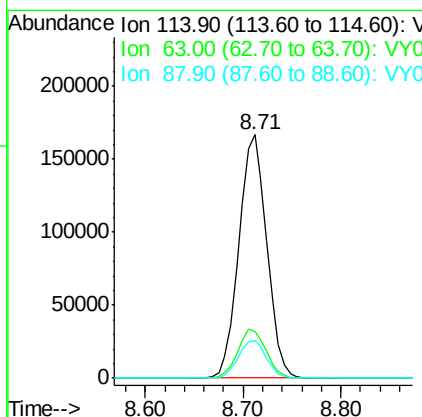
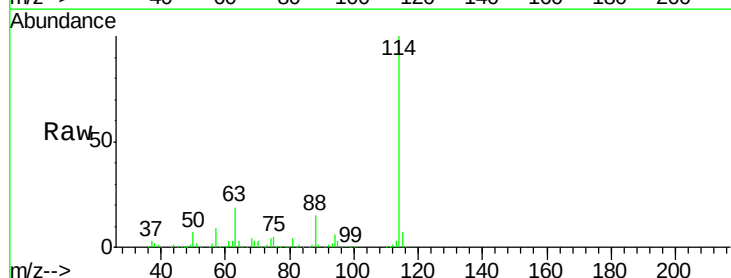
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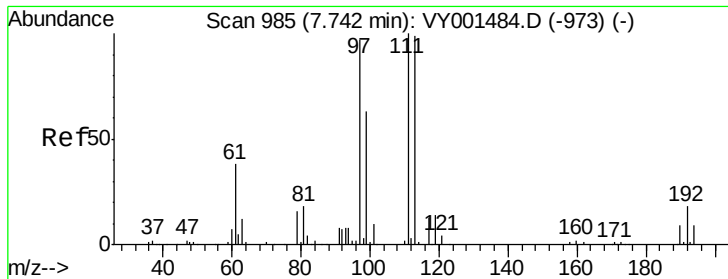
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1144
 Delta R.T. 0.01 min
 Lab File: VY001625.D
 Acq: 13 Feb 2020 12:49

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.3	0.0	329237	39.8
88	15.4	0.0	32.6	





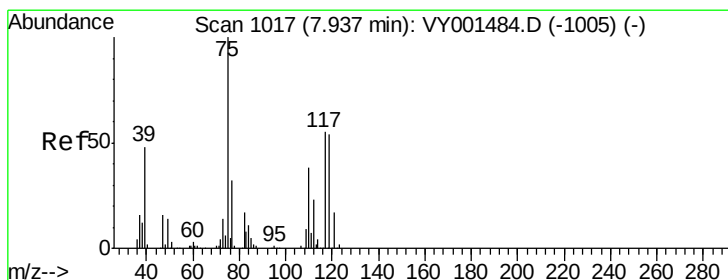
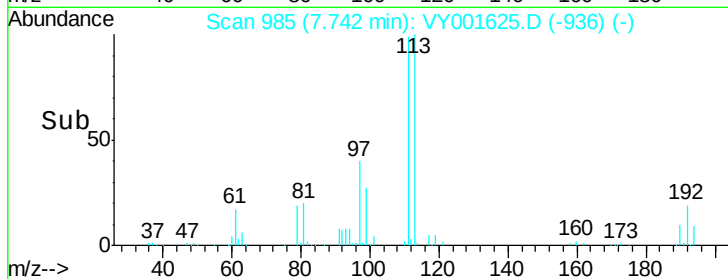
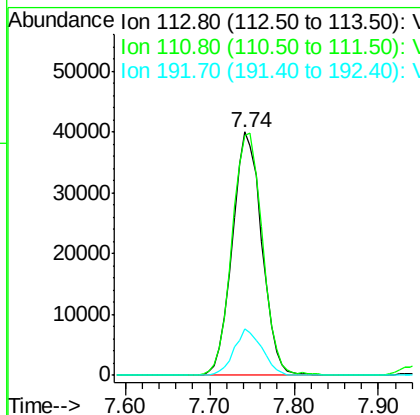
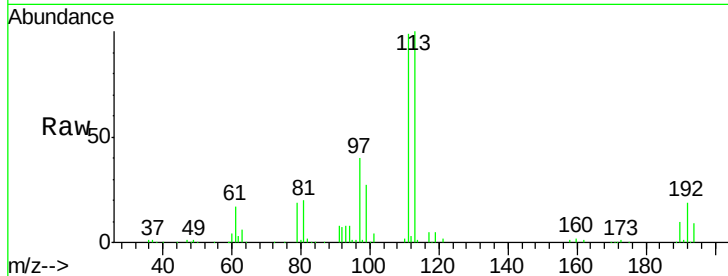
#35
 Dibromofluoromethane
 Concen: 49.650 ug/l
 RT: 7.74 min Scan# 985
 Delta R.T. 0.00 min
 Lab File: VY001625.D
 Acq: 13 Feb 2020 12:49

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0213SBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.0	82.9	124.3
192	18.3	14.6	22.0

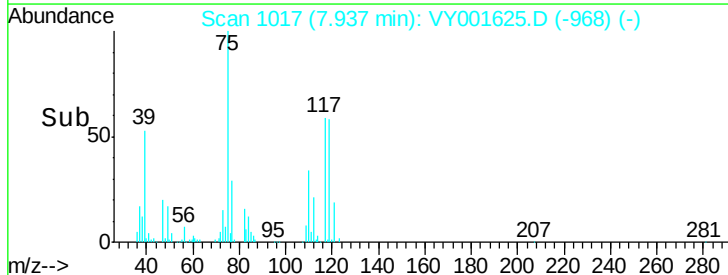
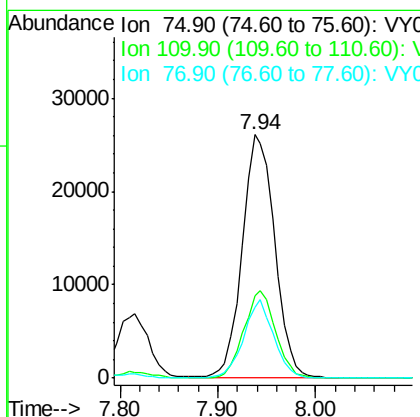
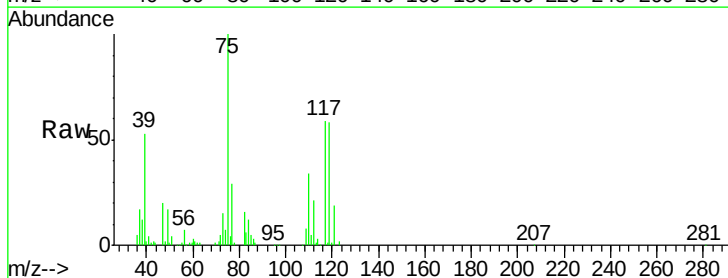
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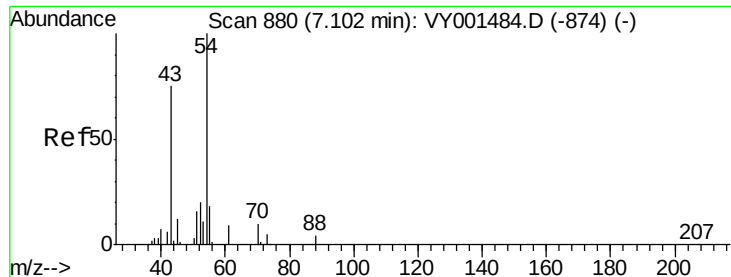
MMDadoda
 2/14/2020 5:27:14 PM



#36
 1,1-Dichloropropene
 Concen: 20.023 ug/l
 RT: 7.94 min Scan# 1017
 Delta R.T. 0.00 min
 Lab File: VY001625.D
 Acq: 13 Feb 2020 12:49

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.9	18.2	54.6
77	29.6	25.0	37.4





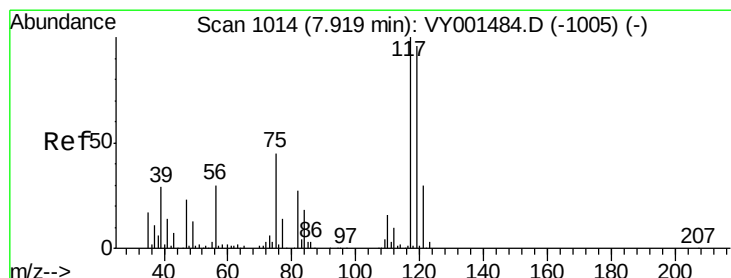
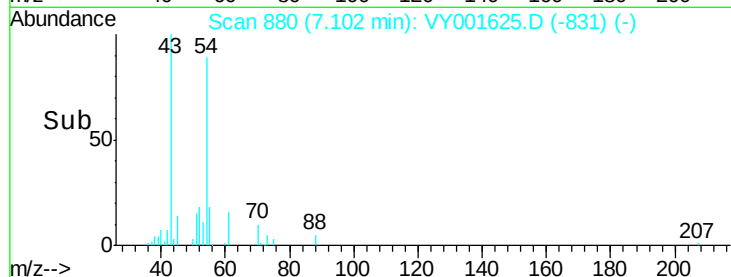
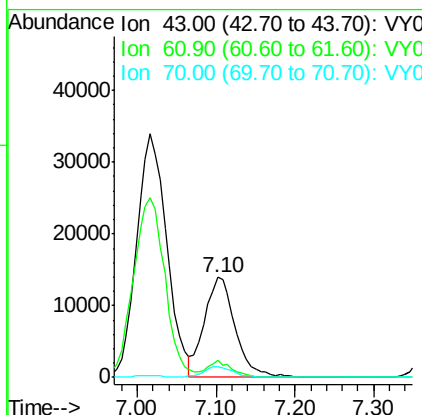
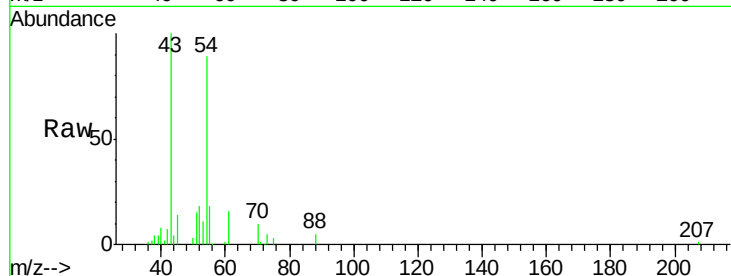
#37
Ethyl Acetate
Concen: 26.160 ug/l
RT: 7.10 min Scan# 880
Delta R.T. 0.00 min
Lab File: VY001625.D
Acq: 13 Feb 2020 12:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0213SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.0	12.0	18.0
70	10.1	10.2	15.4

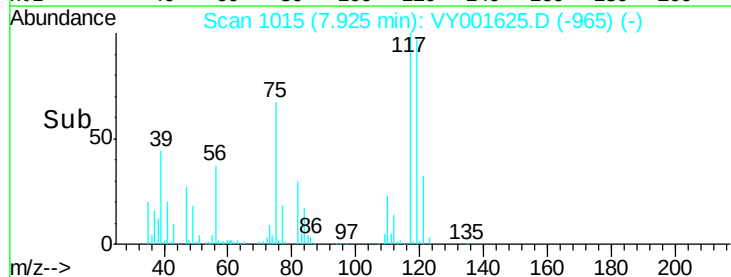
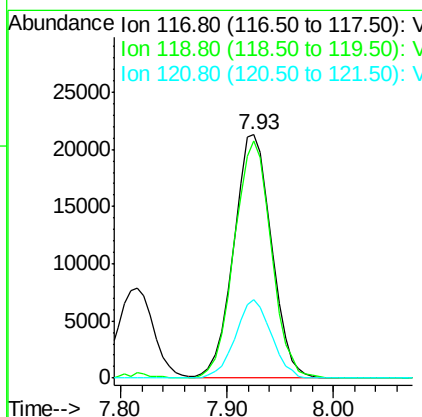
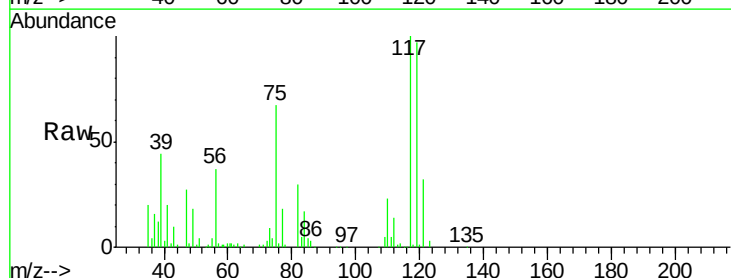
Manual Integrations
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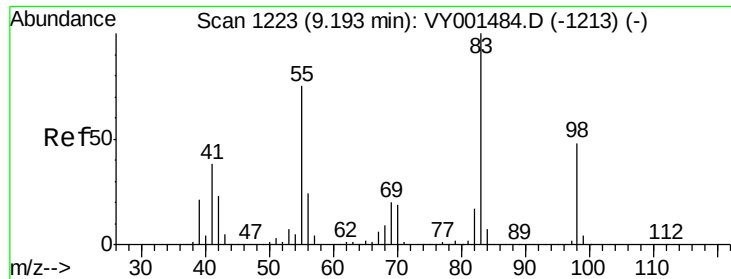
MMDadoda
2/14/2020 5:27:14 PM



#38
Carbon Tetrachloride
Concen: 18.280 ug/l
RT: 7.93 min Scan# 1015
Delta R.T. 0.01 min
Lab File: VY001625.D
Acq: 13 Feb 2020 12:49

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.2	76.4	114.6
121	32.5	24.2	36.4





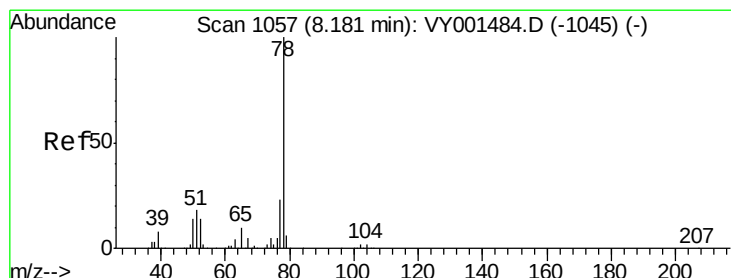
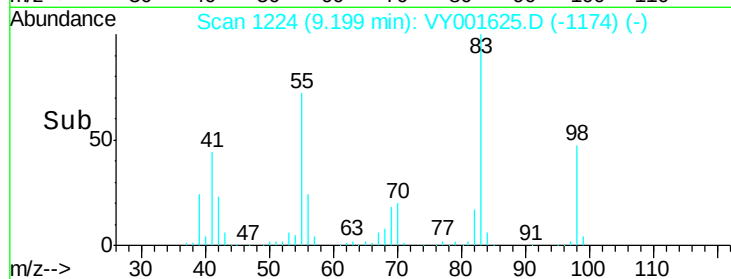
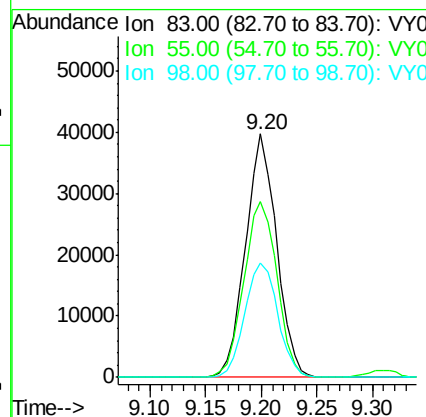
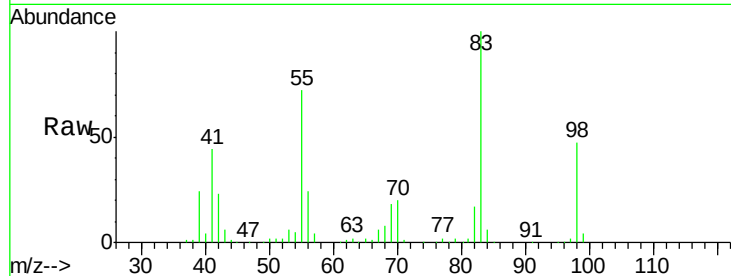
#39
Methylvlcyclohexane
Concen: 19.464 ug/l
RT: 9.20 min Scan# 1224
Delta R.T. 0.01 min
Lab File: VY001625.D
Acq: 13 Feb 2020 12:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0213SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.0	59.8	89.6
98	46.9	38.6	57.8

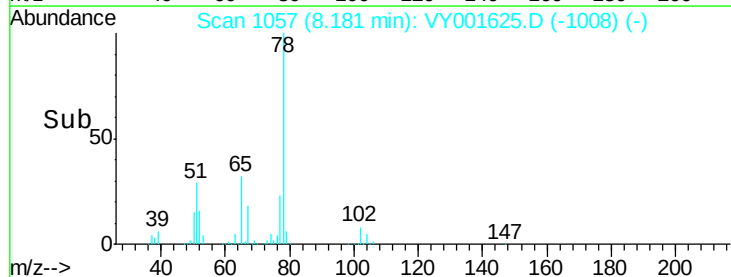
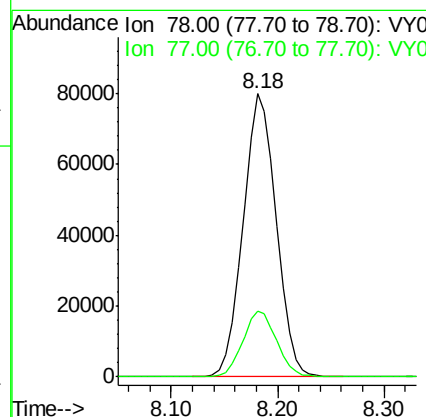
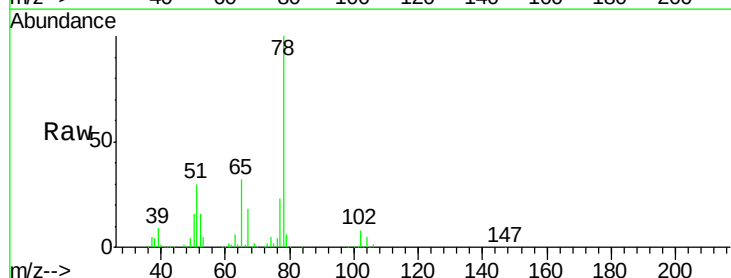
Manual Integrations
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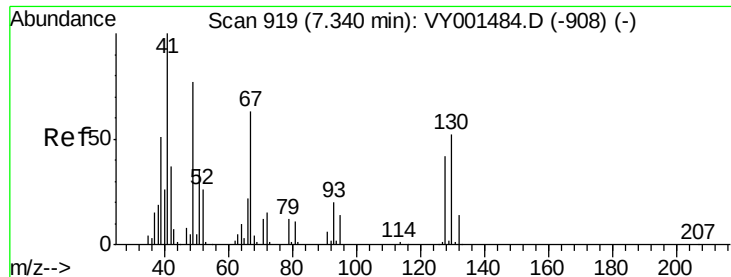
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2/14/2020 5:27:14 PM



#40
Benzene
Concen: 20.298 ug/l
RT: 8.18 min Scan# 1057
Delta R.T. 0.00 min
Lab File: VY001625.D
Acq: 13 Feb 2020 12:49

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.5	27.7





#41

Methacrylonitrile

Concen: 31.406 ug/l m

RT: 7.35 min Scan# 920

Delta R.T. 0.01 min

Lab File: VY001625.D

Acq: 13 Feb 2020 12:49

Instrument :

MSVOA_Y

ClientSampleId :

VY0213SBS01

Tot Ion: 41 Resp: 21223

Ion Ratio Lower Upper

41 100

39 111.3 116.8 175.2#

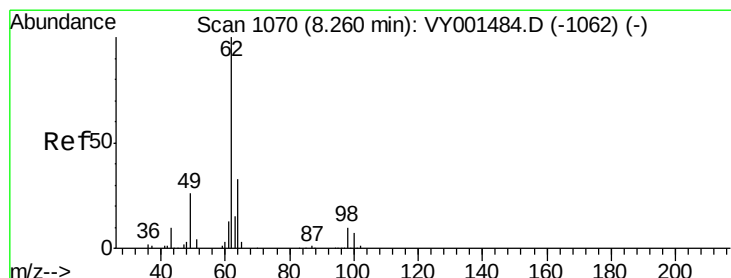
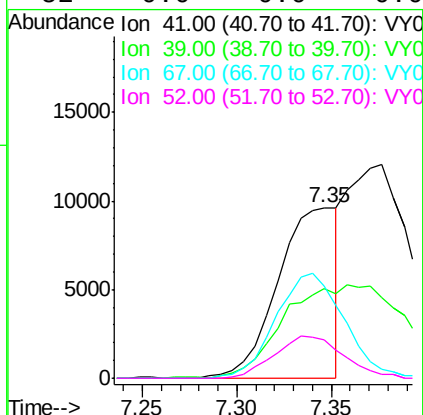
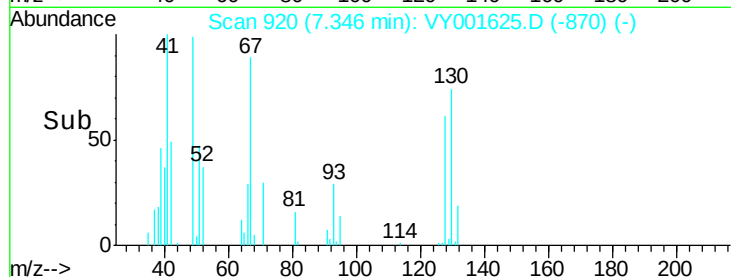
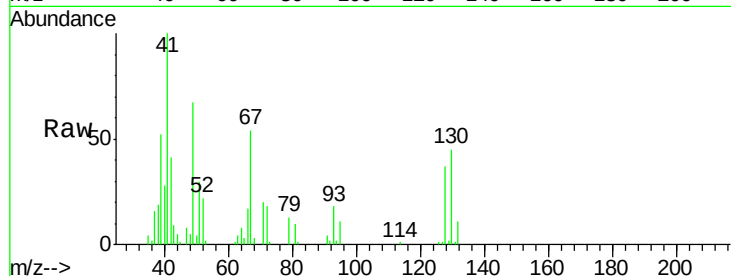
67 0.0 0.0 0.0

52 0.0 0.0 0.0

Manual Integrations
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2/14/2020 5:27:14 PM



#42

1,2-Dichloroethane

Concen: 20.311 ug/l

RT: 8.26 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VY001625.D

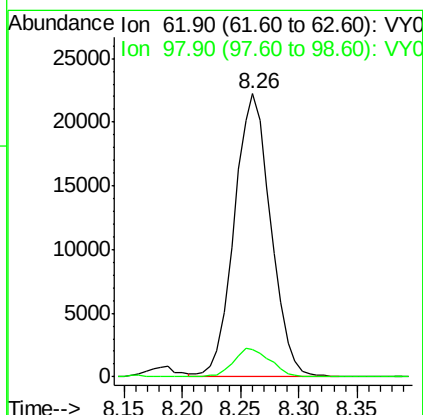
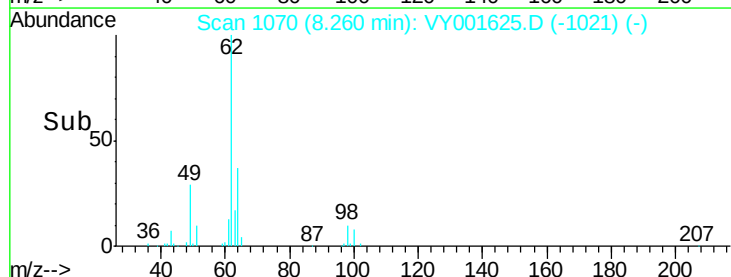
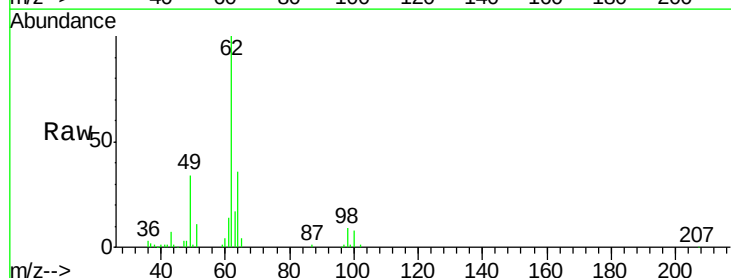
Acq: 13 Feb 2020 12:49

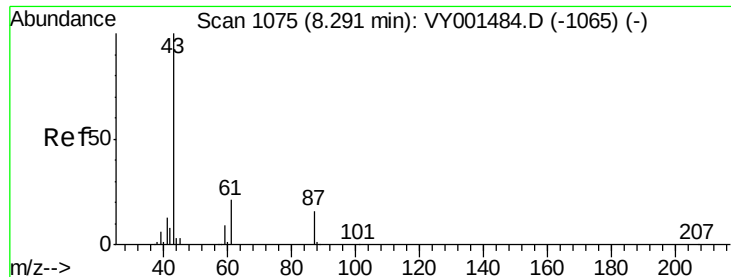
Tgt Ion: 62 Resp: 48613

Ion Ratio Lower Upper

62 100

98 10.0 0.0 21.0





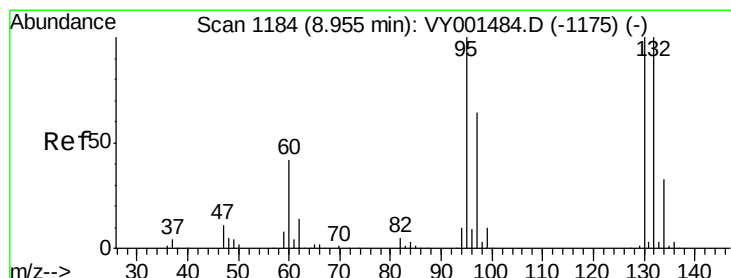
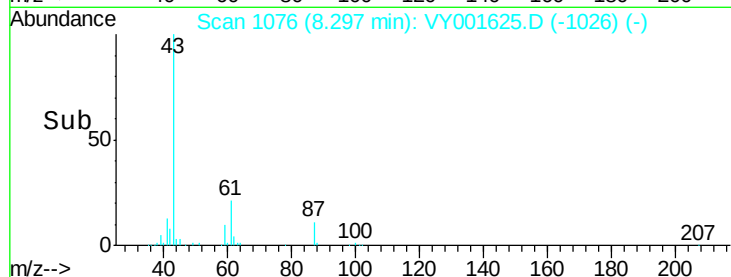
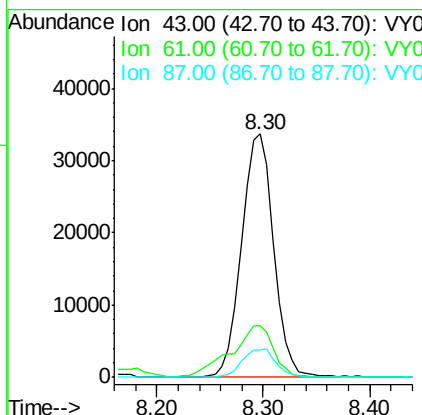
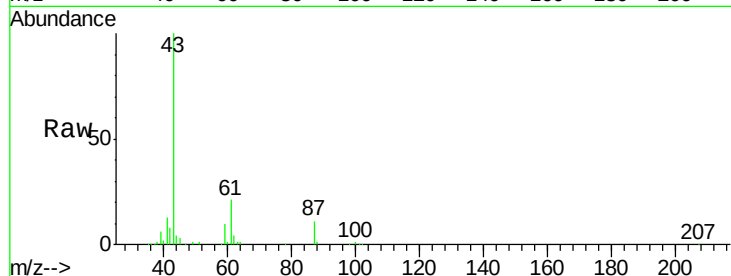
#43
Isopropyl Acetate
Concen: 24.743 ug/l
RT: 8.30 min Scan# 1076
Delta R.T. 0.01 min
Lab File: VY001625.D
Acq: 13 Feb 2020 12:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0213SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.3	25.1	37.7
87	12.3	12.6	19.0

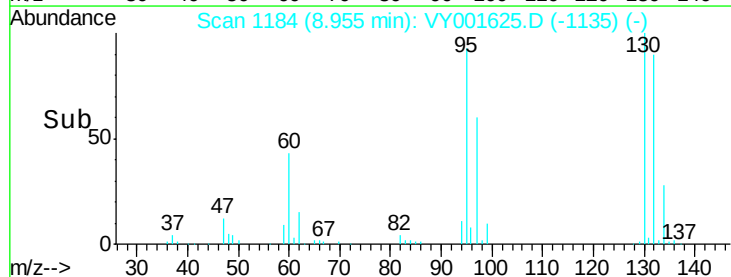
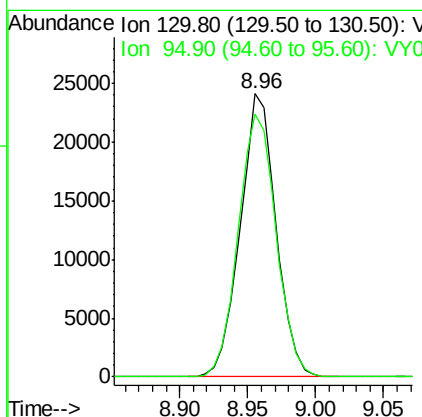
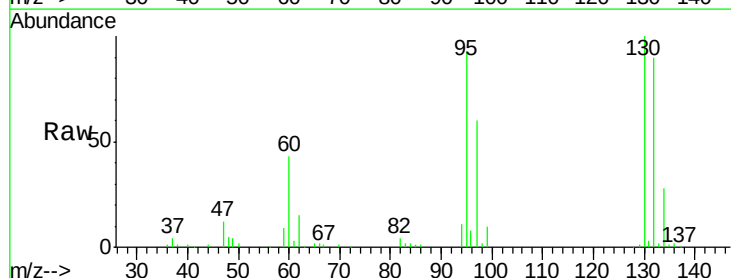
Manual Integrations
APPROVED

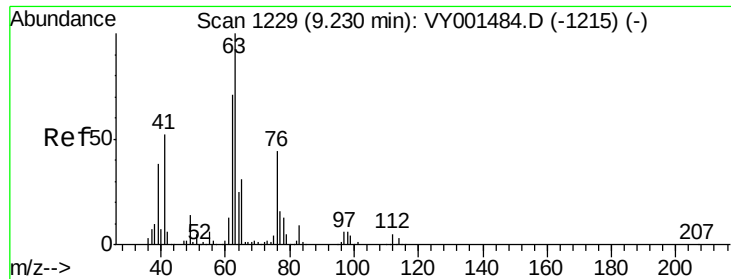
MMDadoda
2/14/2020 5:27:14 PM



#44
Trichloroethene
Concen: 19.111 ug/l
RT: 8.96 min Scan# 1184
Delta R.T. 0.00 min
Lab File: VY001625.D
Acq: 13 Feb 2020 12:49

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.9	0.0	199.2





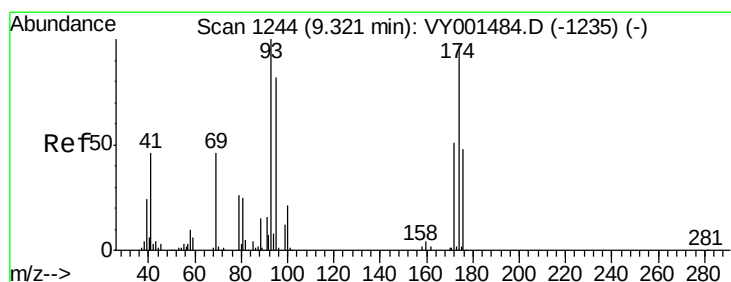
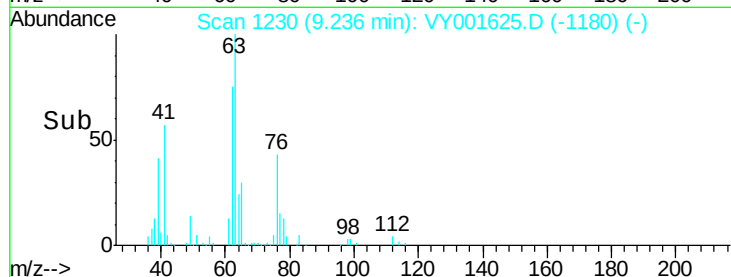
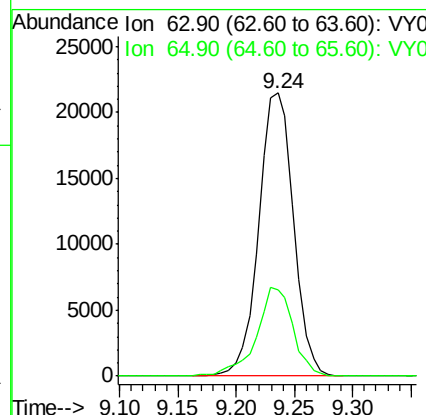
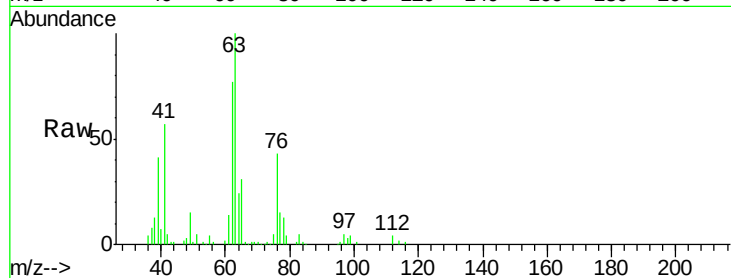
#45
 1,2-Dichloropropane
 Concen: 21.545 ug/l
 RT: 9.24 min Scan# 1230
 Delta R.T. 0.01 min
 Lab File: VY001625.D
 Acq: 13 Feb 2020 12:49

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0213SBS01

Tot Ion: 63 Resp: 44694
 Ion Ratio Lower Upper
 63 100
 65 30.6 25.0 37.4

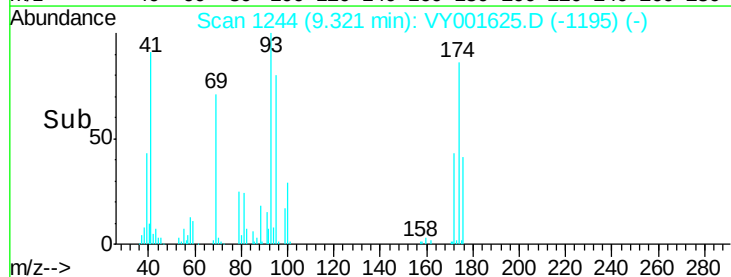
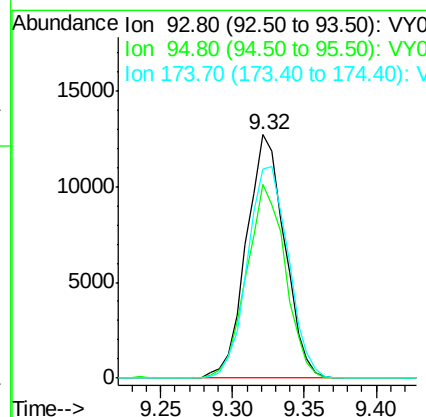
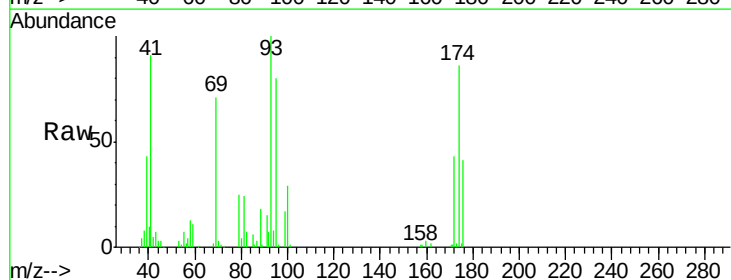
Manual Integrations
 APPROVED

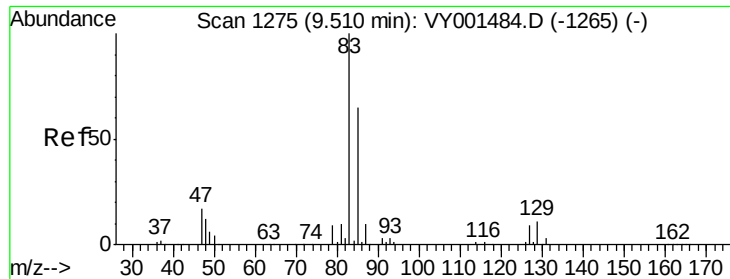
MMDadoda
 2/14/2020 5:27:14 PM



#46
 Dibromomethane
 Concen: 20.095 ug/l
 RT: 9.32 min Scan# 1244
 Delta R.T. 0.00 min
 Lab File: VY001625.D
 Acq: 13 Feb 2020 12:49

Tgt Ion: 93 Resp: 23408
 Ion Ratio Lower Upper
 93 100
 95 80.3 66.6 99.8
 174 92.5 75.4 113.2





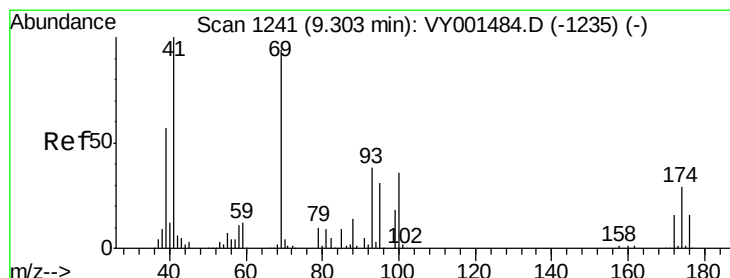
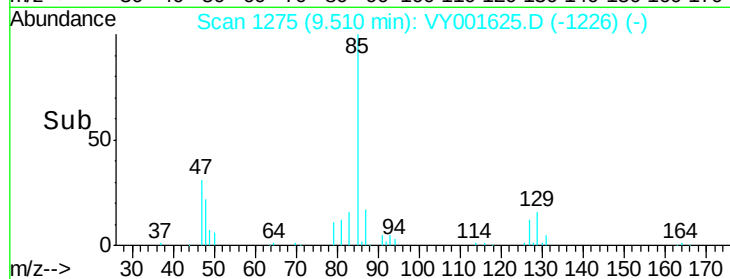
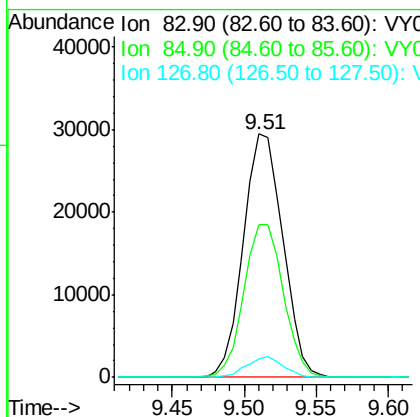
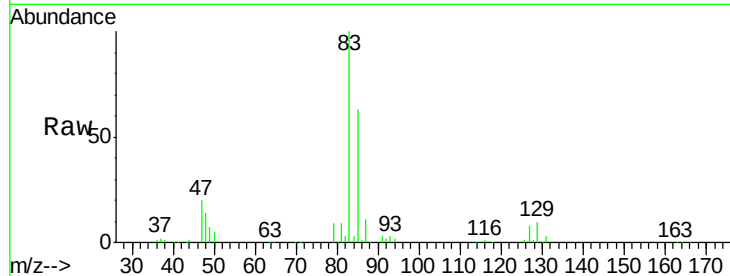
#47
Bromodichloromethane
Concen: 19.716 ug/l
RT: 9.51 min Scan# 1275
Delta R.T. 0.00 min
Lab File: VY001625.D
Acq: 13 Feb 2020 12:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0213SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	55959		
85	62.8		51.9	77.9
127	7.7		6.9	10.3

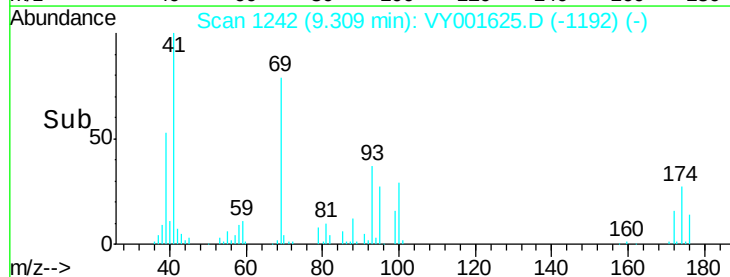
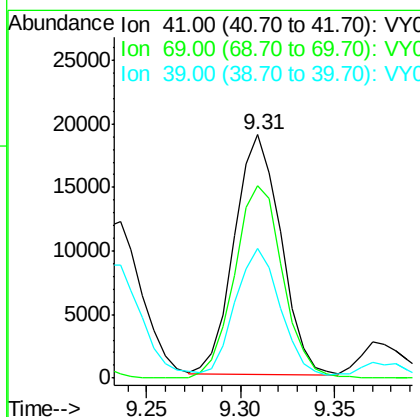
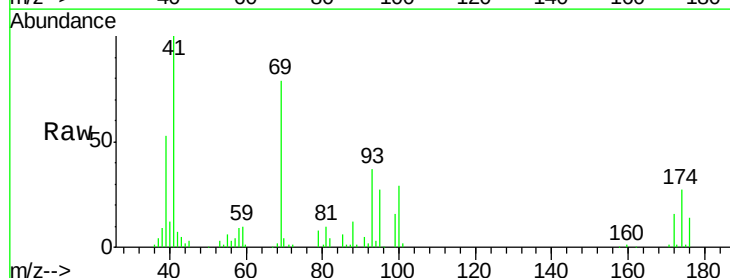
Manual Integrations
APPROVED

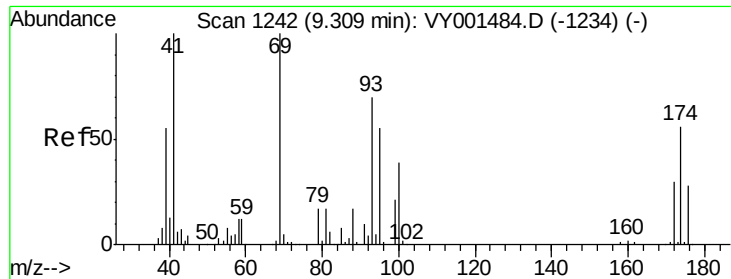
MMDadoda
2/14/2020 5:27:14 PM



#48
Methyl methacrylate
Concen: 24.703 ug/l
RT: 9.31 min Scan# 1242
Delta R.T. 0.01 min
Lab File: VY001625.D
Acq: 13 Feb 2020 12:49

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	32367		
69	83.1		76.6	114.8
39	49.8		45.4	68.0





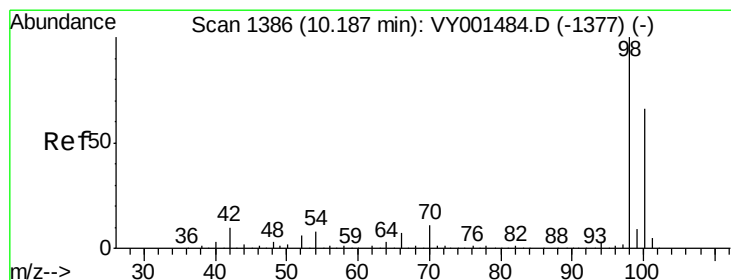
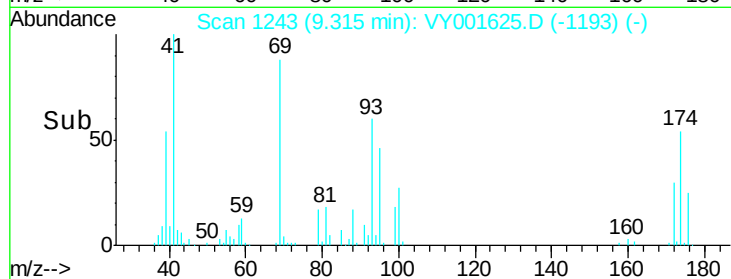
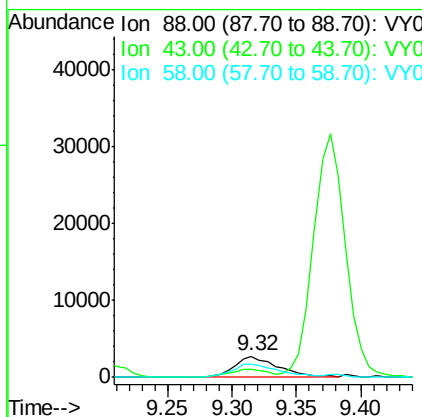
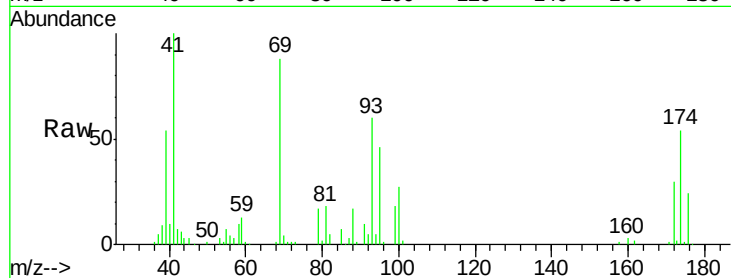
#49
 1,4-Dioxane
 Concen: 422.907 ug/l
 RT: 9.32 min Scan# 1243
 Delta R.T. 0.01 min
 Lab File: VY001625.D
 Acq: 13 Feb 2020 12:49

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0213SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.5	24.8	37.2
58	66.4	59.3	88.9

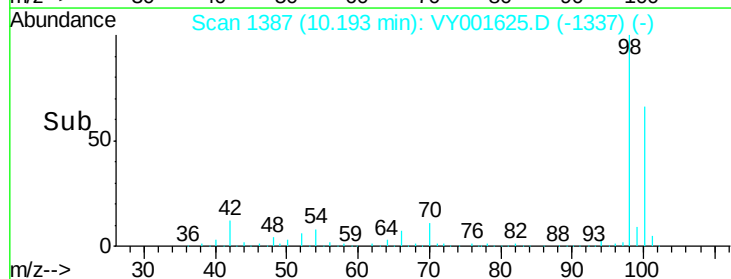
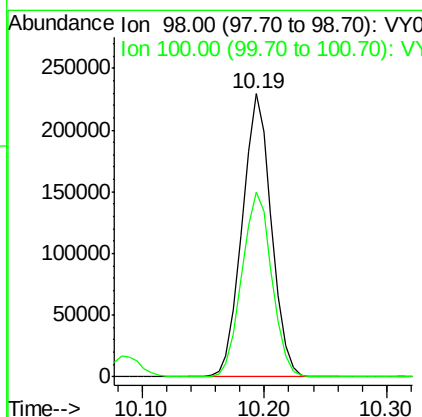
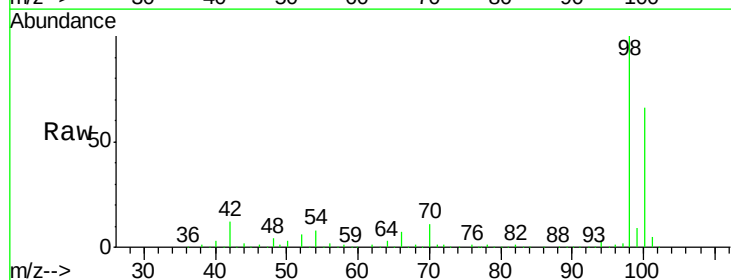
Manual Integrations
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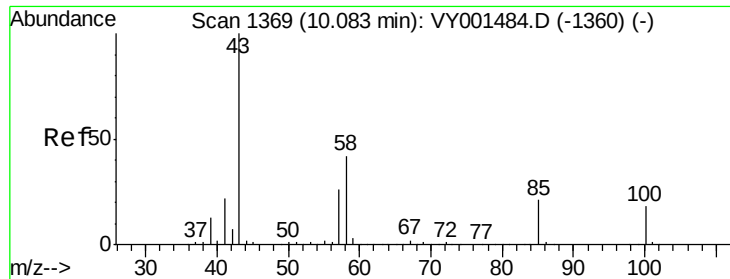
MMDadoda
 2/14/2020 5:27:14 PM



#50
 Toluene-d8
 Concen: 52.783 ug/l
 RT: 10.19 min Scan# 1387
 Delta R.T. 0.01 min
 Lab File: VY001625.D
 Acq: 13 Feb 2020 12:49

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.7	53.0	79.6





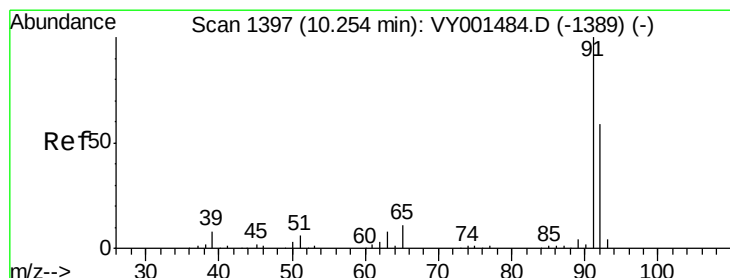
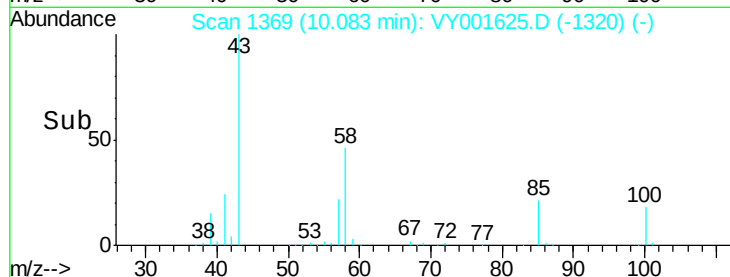
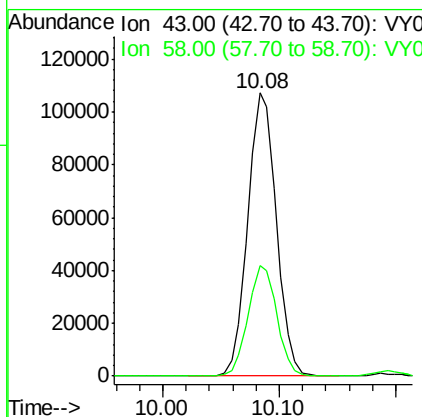
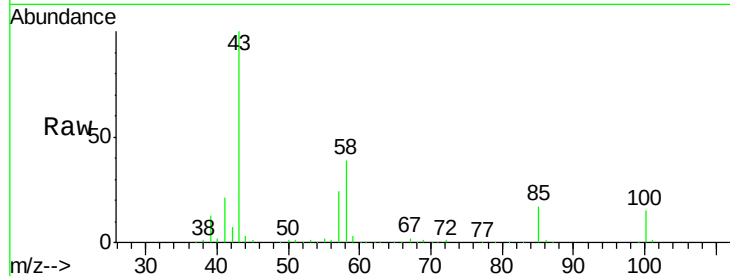
#51
4-Methyl-2-Pentanone
Concen: 129.646 ug/l
RT: 10.08 min Scan# 1369
Delta R.T. 0.00 min
Lab File: VY001625.D
Acq: 13 Feb 2020 12:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0213SBS01

Tot Ion: 43 Resp: 184317
Ion Ratio Lower Upper
43 100
58 39.3 33.9 50.9

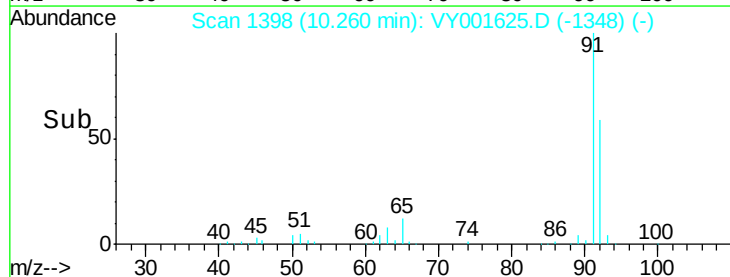
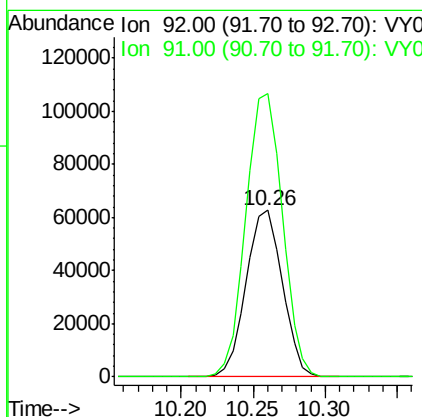
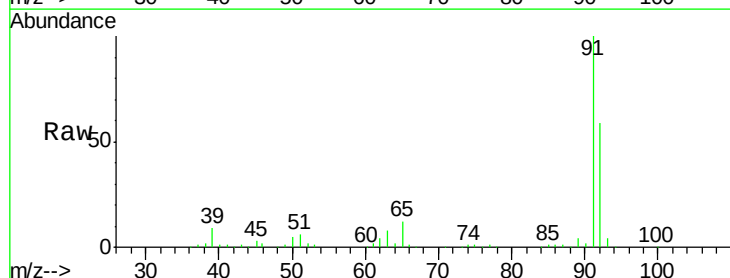
Manual Integrations
APPROVED

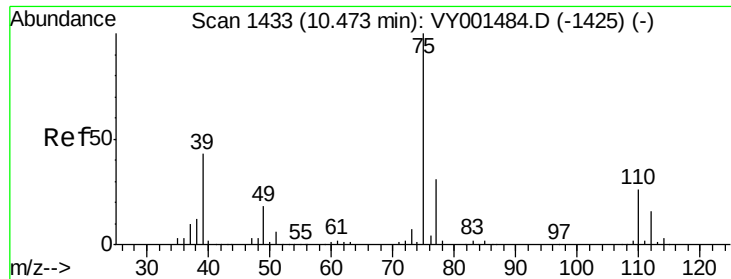
MMDadoda
2/14/2020 5:27:14 PM



#52
Toluene
Concen: 20.125 ug/l
RT: 10.26 min Scan# 1398
Delta R.T. 0.01 min
Lab File: VY001625.D
Acq: 13 Feb 2020 12:49

Tgt Ion: 92 Resp: 109700
Ion Ratio Lower Upper
92 100
91 171.2 136.6 204.8





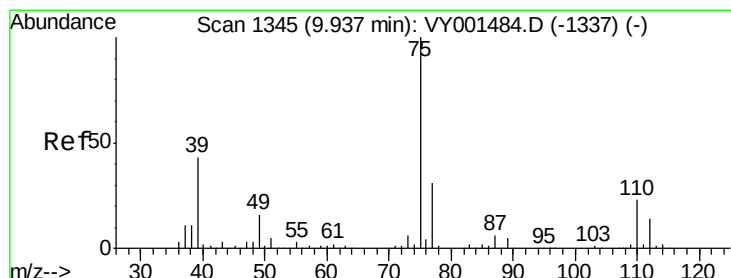
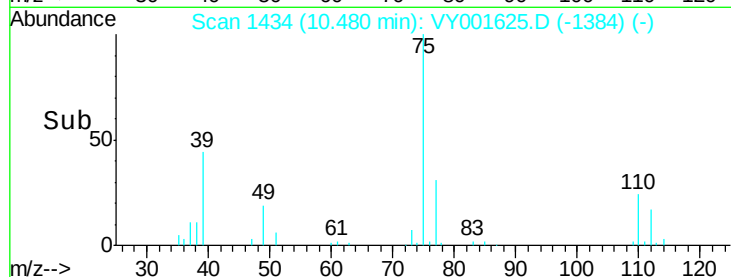
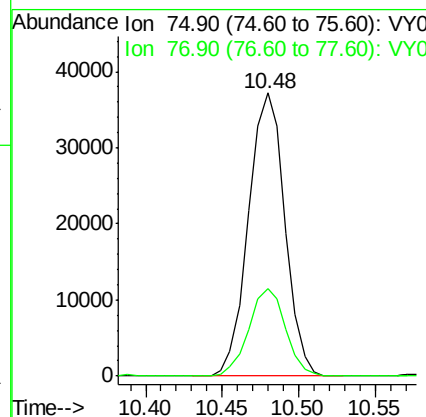
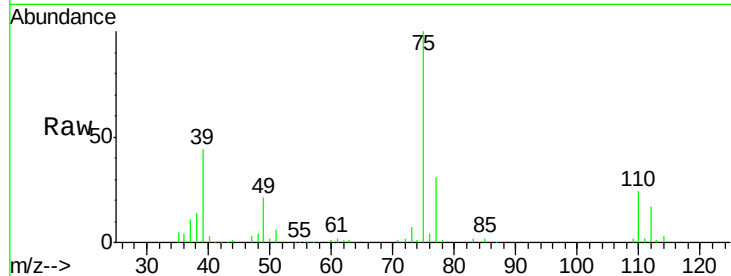
#53
t-1,3-Dichloropropene
Concen: 19.917 ug/l
RT: 10.48 min Scan# 1434
Delta R.T. 0.01 min
Lab File: VY001625.D
Acq: 13 Feb 2020 12:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0213SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.1	24.9	37.3

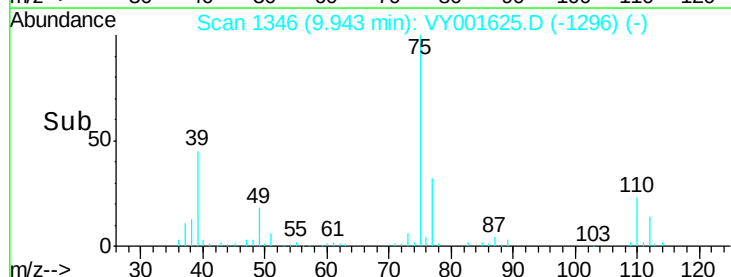
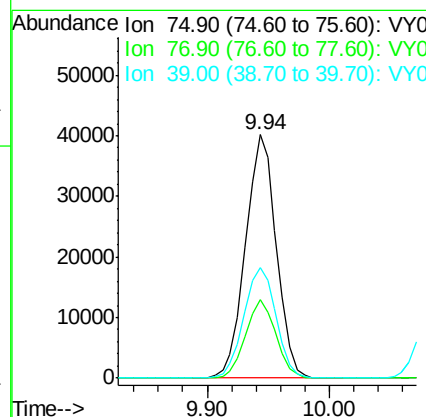
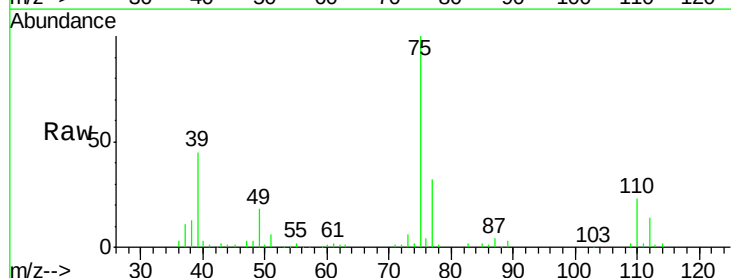
Manual Integrations
APPROVED

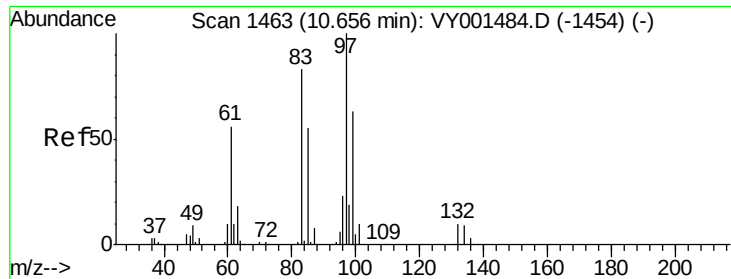
MMDadoda
2/14/2020 5:27:14 PM



#54
cis-1,3-Dichloropropene
Concen: 19.703 ug/l
RT: 9.94 min Scan# 1346
Delta R.T. 0.01 min
Lab File: VY001625.D
Acq: 13 Feb 2020 12:49

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.4	24.7	37.1
39	45.3	34.0	51.0





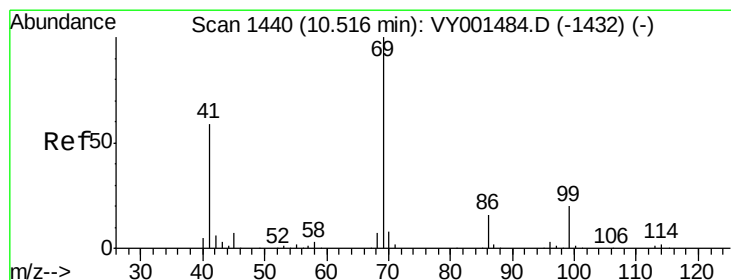
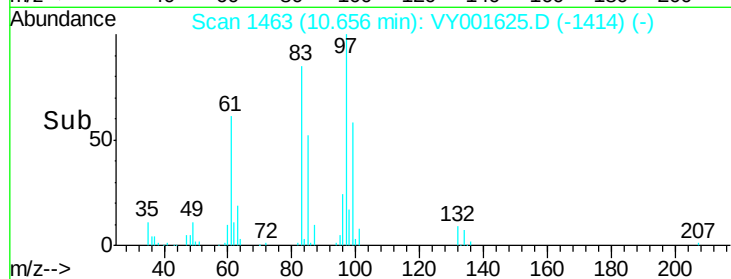
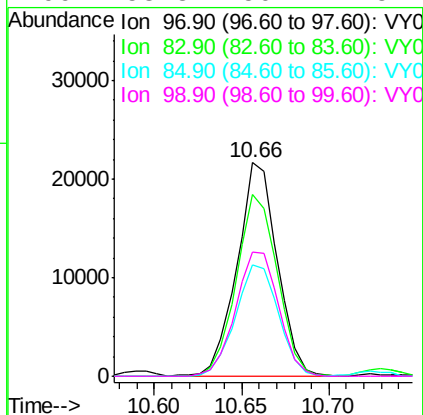
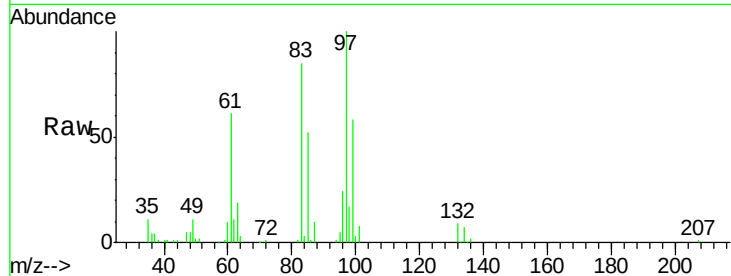
#55
 1,1,2-Trichloroethane
 Concen: 20.861 ug/l
 RT: 10.66 min Scan# 1463
 Delta R.T. 0.00 min
 Lab File: VY001625.D
 Acq: 13 Feb 2020 12:49

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0213BSD01

Tot Ion:	97	Resp:	34866
Ion	Ratio	Lower	Upper
97	100		
83	85.3	66.2	99.2
85	52.4	43.8	65.6
99	58.3	50.1	75.1

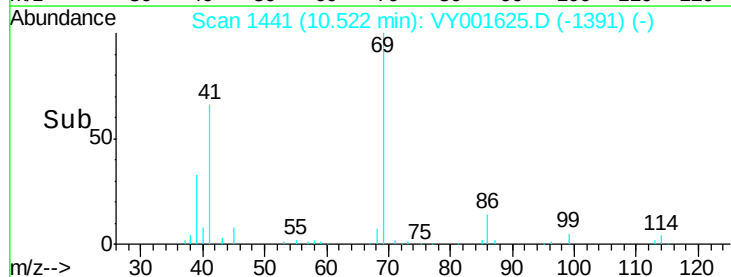
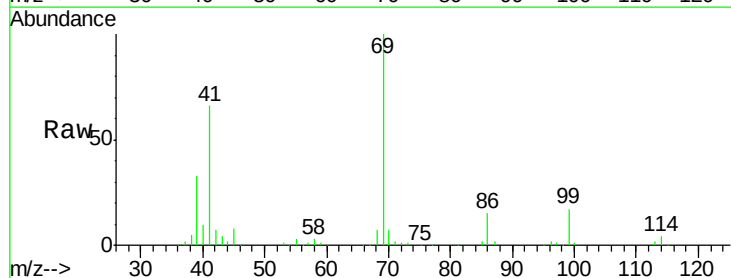
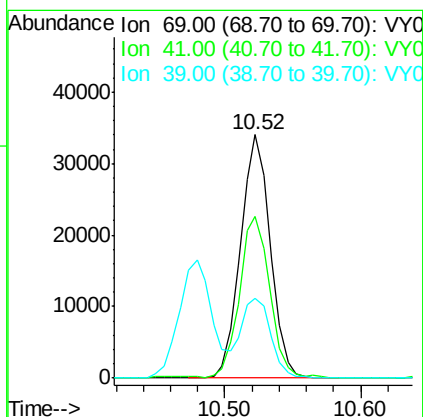
Manual Integrations
 APPROVED

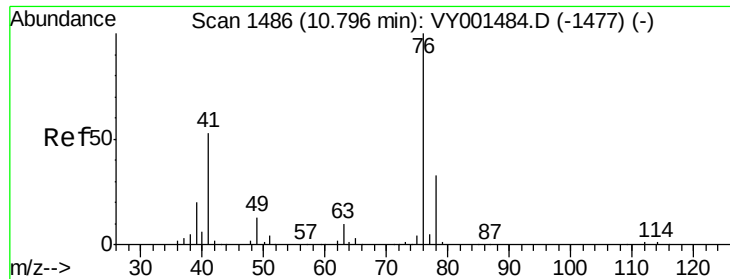
MMDadoda
 2/14/2020 5:27:14 PM



#56
 Ethyl methacrylate
 Concen: 21.882 ug/l
 RT: 10.52 min Scan# 1441
 Delta R.T. 0.01 min
 Lab File: VY001625.D
 Acq: 13 Feb 2020 12:49

Tgt Ion:	69	Resp:	52017
Ion	Ratio	Lower	Upper
69	100		
41	67.7	47.8	71.8
39	32.7	24.4	36.6





#57

1,3-Dichloropropane

Concen: 20.723 ug/l

RT: 10.81 min Scan# 1488

Delta R.T. 0.01 min

Lab File: VY001625.D

Acq: 13 Feb 2020 12:49

Instrument :

MSVOA_Y

ClientSampleId :

VY0213SBS01

Tot Ion: 76 Resp: 61053

Ion Ratio Lower Upper

76 100

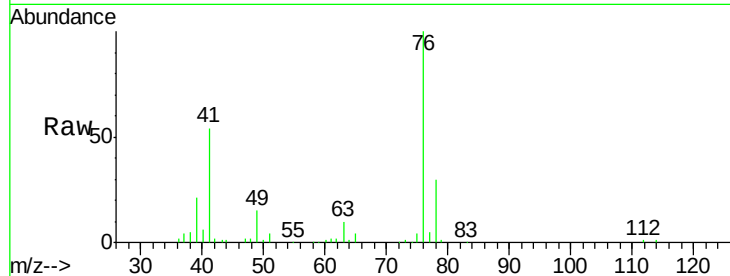
78 32.3 25.7 38.5

Manual Integrations

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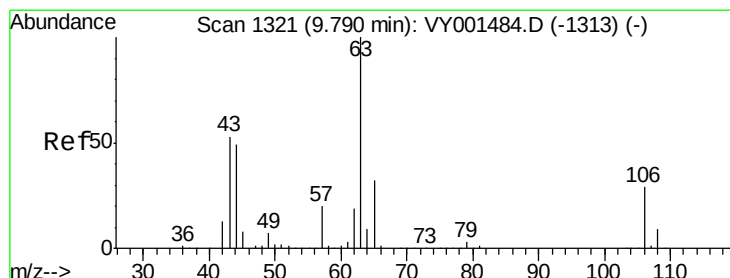
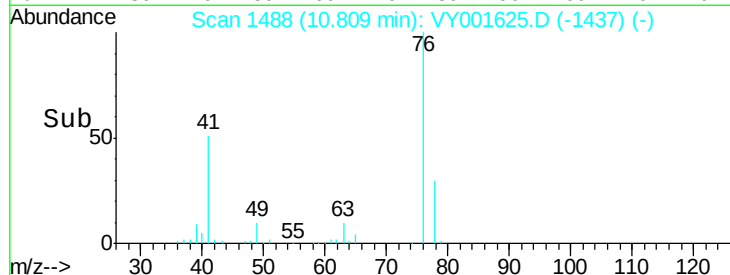
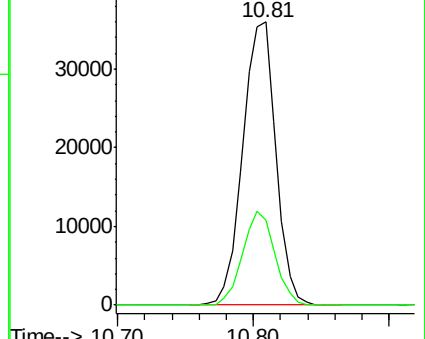
MMDadoda

2/14/2020 5:27:14 PM



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#58

2-Chloroethyl Vinyl ether

Concen: 106.546 ug/l

RT: 9.80 min Scan# 1322

Delta R.T. 0.01 min

Lab File: VY001625.D

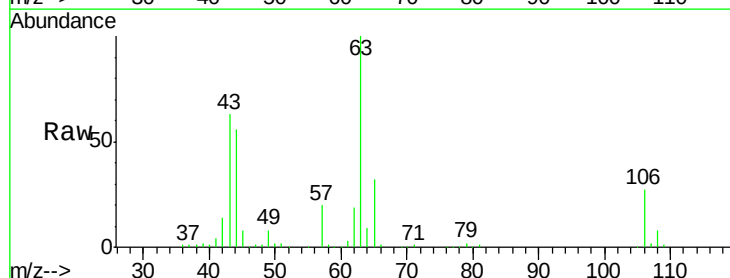
Acq: 13 Feb 2020 12:49

Tgt Ion: 63 Resp: 93174

Ion Ratio Lower Upper

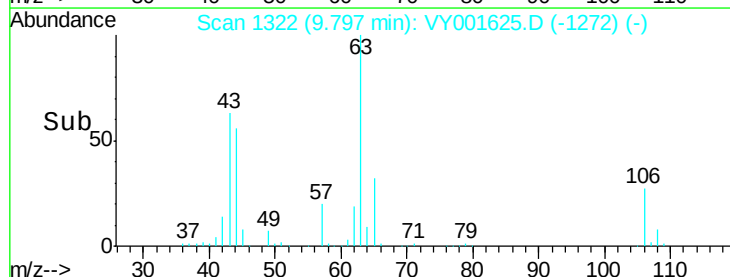
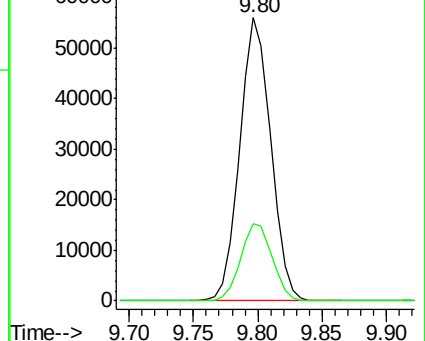
63 100

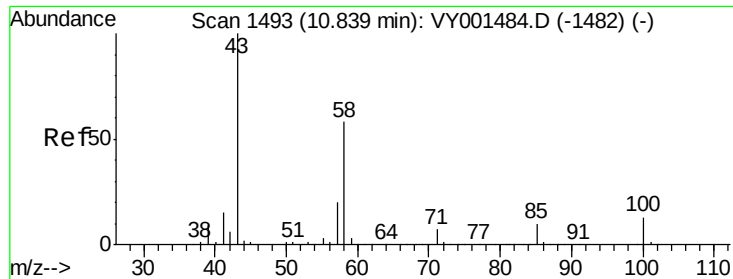
106 27.7 24.0 36.0



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 105.90 (105.60 to 106.60): V





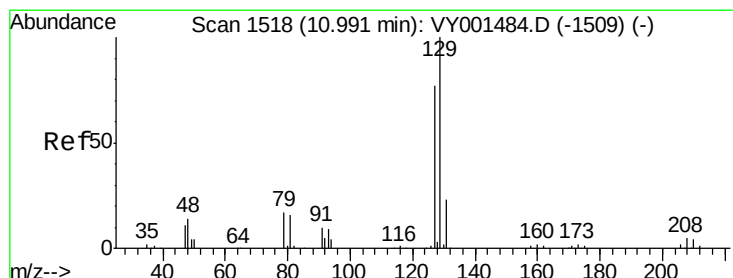
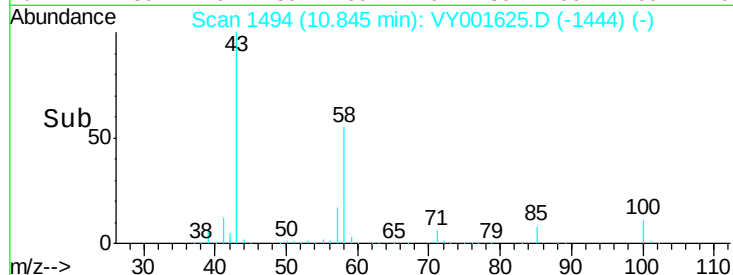
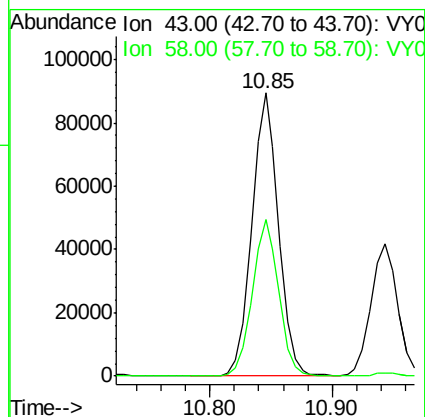
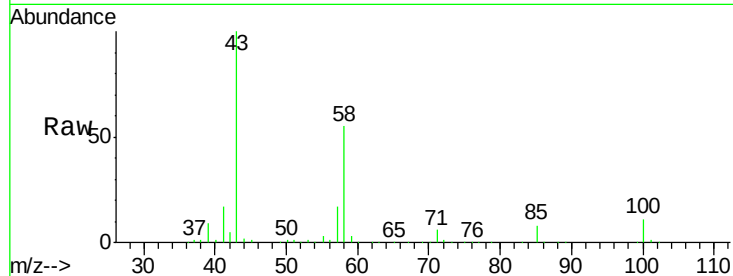
#59
2-Hexanone
Concen: 130.808 ug/l
RT: 10.85 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VY001625.D
Acq: 13 Feb 2020 12:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0213SBS01

Tot Ion: 43 Resp: 135216
Ion Ratio Lower Upper
43 100
58 54.7 29.0 87.0

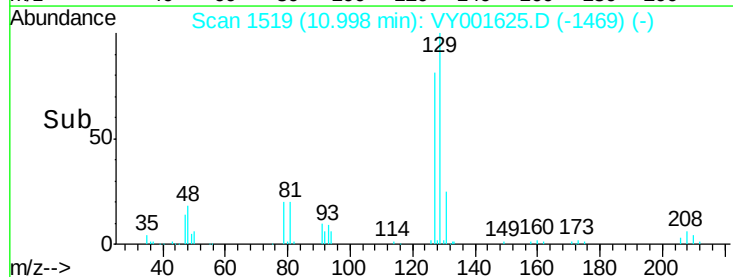
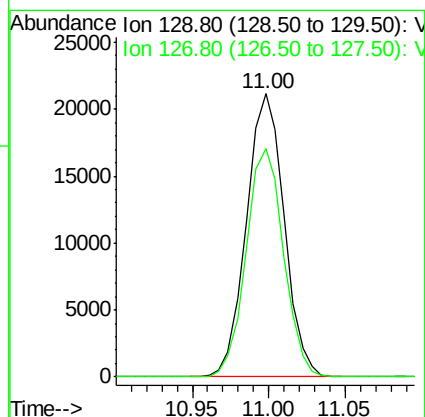
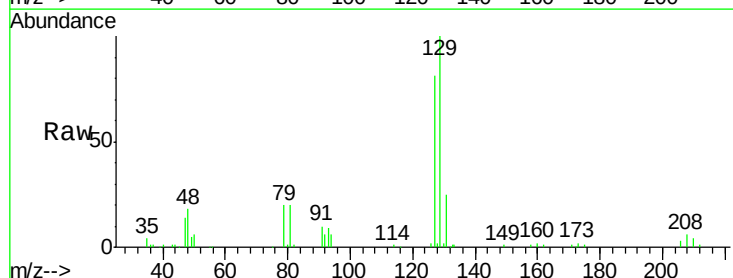
Manual Integrations
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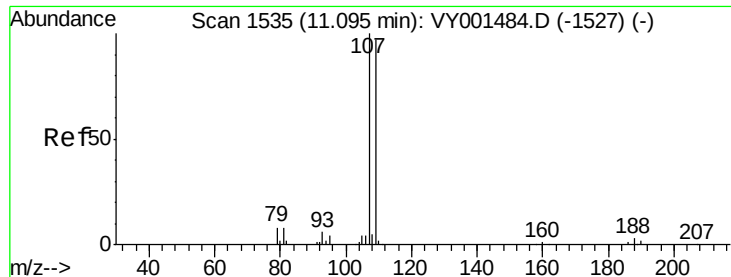
MMDadoda
2/14/2020 5:27:14 PM



#60
Dibromochloromethane
Concen: 18.404 ug/l
RT: 11.00 min Scan# 1519
Delta R.T. 0.01 min
Lab File: VY001625.D
Acq: 13 Feb 2020 12:49

Tgt Ion: 129 Resp: 36257
Ion Ratio Lower Upper
129 100
127 79.8 38.9 116.6





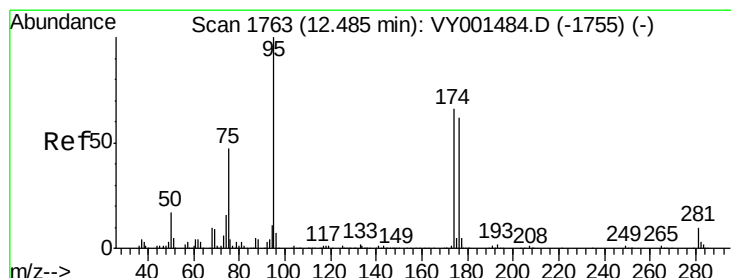
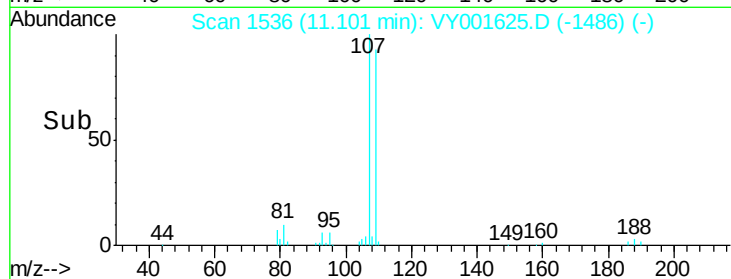
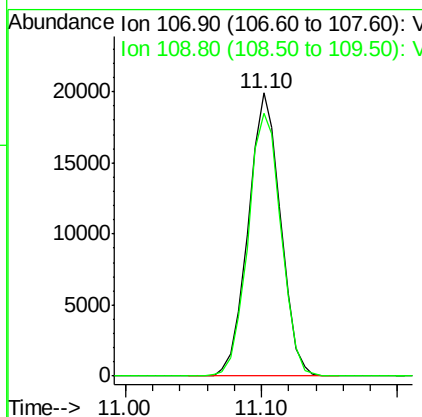
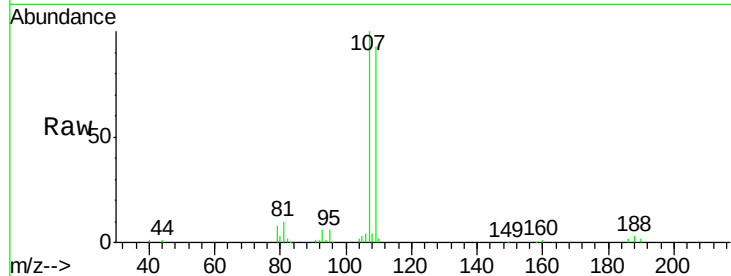
#61
 1,2-Dibromoethane
 Concen: 20.136 ug/l
 RT: 11.10 min Scan# 1536
 Delta R.T. 0.01 min
 Lab File: VY001625.D
 Acq: 13 Feb 2020 12:49

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0213BSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.1	76.2	114.2

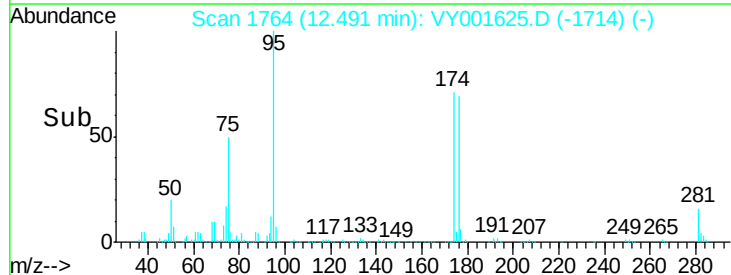
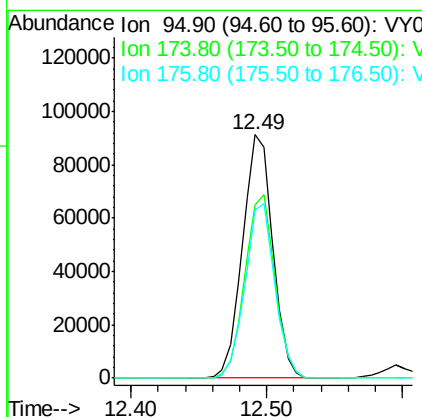
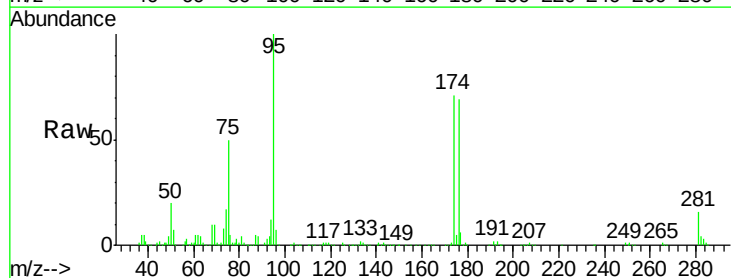
Manual Integrations
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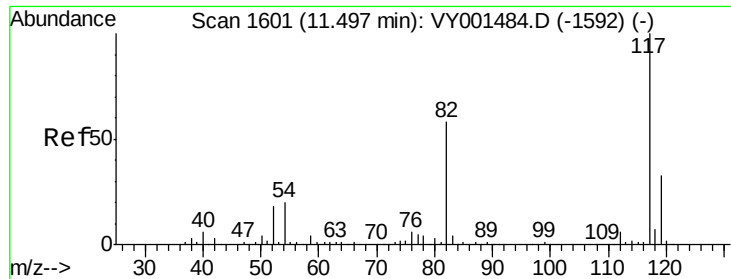
MMDadoda
 2/14/2020 5:27:14 PM



#62
 4-Bromofluorobenzene
 Concen: 50.010 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. 0.01 min
 Lab File: VY001625.D
 Acq: 13 Feb 2020 12:49

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.3	0.0	141.4
176	71.1	0.0	135.4





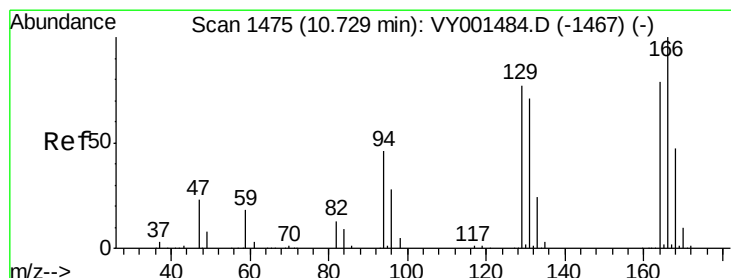
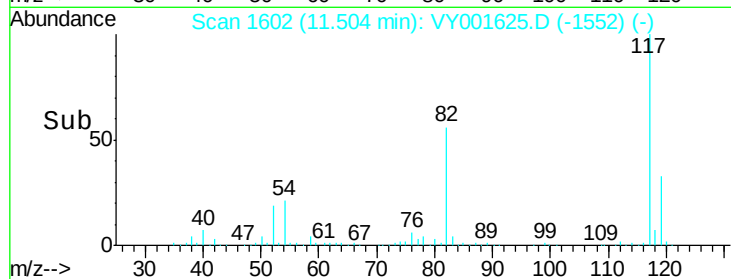
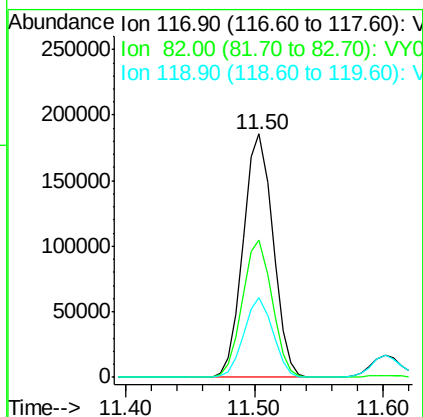
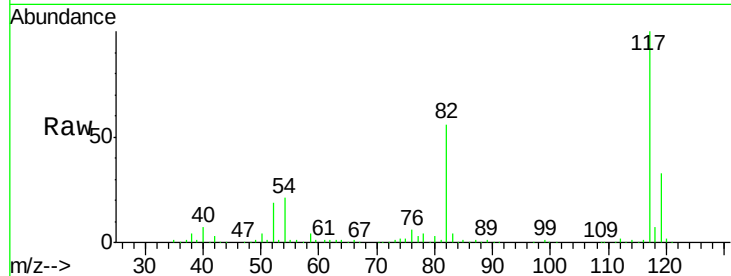
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.01 min
Lab File: VY001625.D
Acq: 13 Feb 2020 12:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0213SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.3	46.1	69.1
119	32.6	26.1	39.1

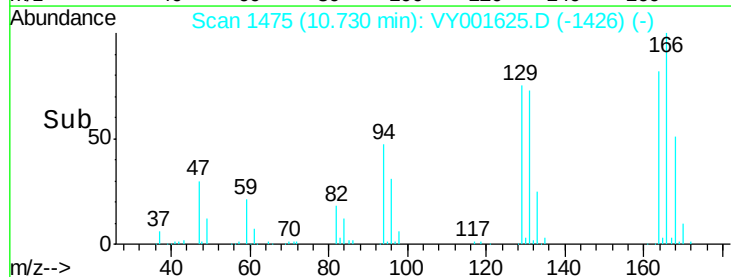
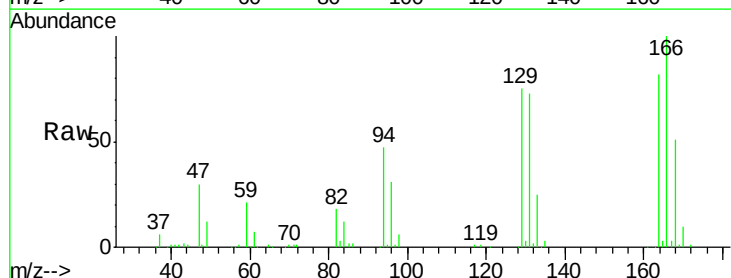
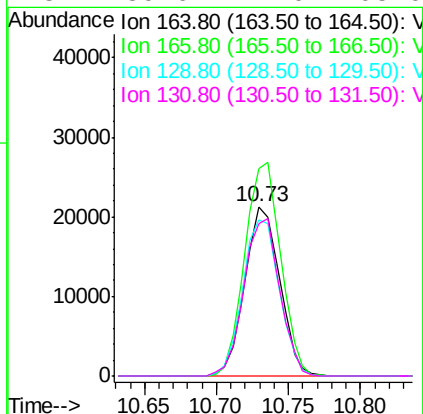
Manual Integrations
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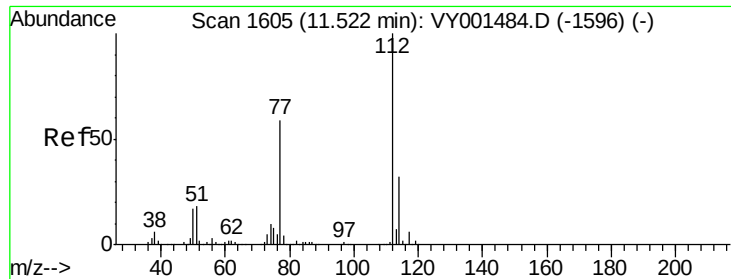
MMDadoda
2/14/2020 5:27:14 PM



#64
Tetrachloroethene
Concen: 18.306 ug/l
RT: 10.73 min Scan# 1475
Delta R.T. 0.00 min
Lab File: VY001625.D
Acq: 13 Feb 2020 12:49

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.5	100.8	151.2
129	92.5	77.8	116.6
131	89.6	72.0	108.0





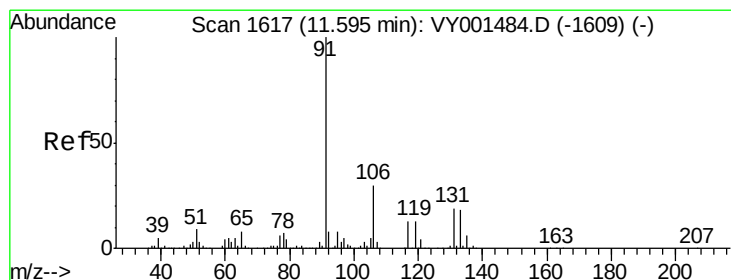
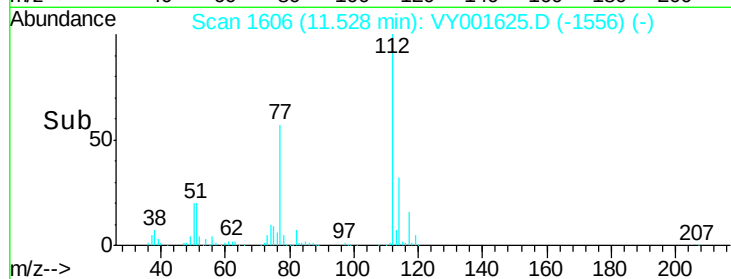
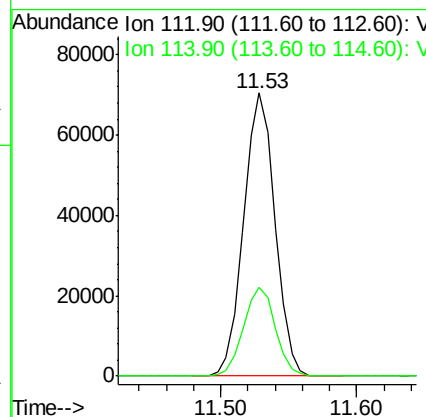
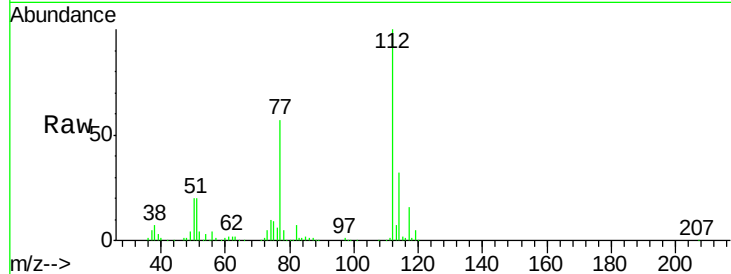
#65
Chlorobenzene
Concen: 19.423 ug/l
RT: 11.53 min Scan# 1606
Delta R.T. 0.01 min
Lab File: VY001625.D
Acq: 13 Feb 2020 12:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0213SBS01

Tot Ion:112 Resp: 113378
Ion Ratio Lower Upper
112 100
114 31.6 25.4 38.2

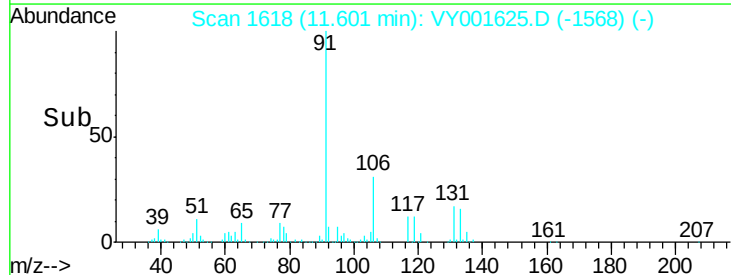
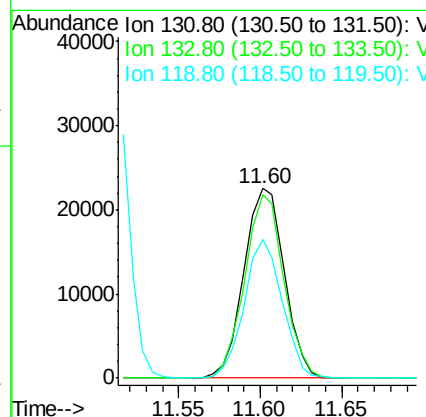
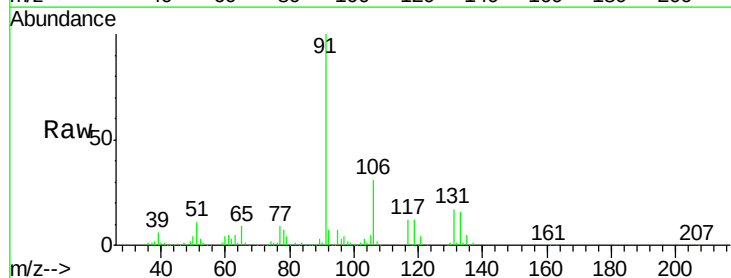
Manual Integrations
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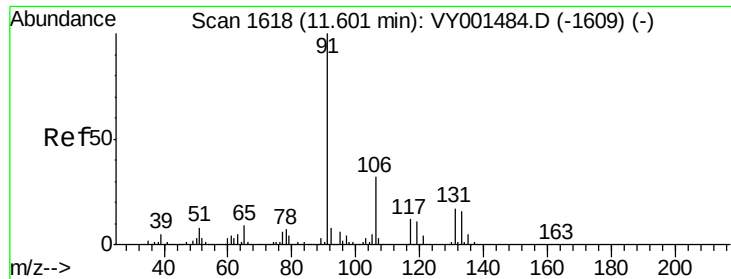
MMDadoda
2/14/2020 5:27:14 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.018 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. 0.01 min
Lab File: VY001625.D
Acq: 13 Feb 2020 12:49

Tgt Ion:131 Resp: 38853
Ion Ratio Lower Upper
131 100
133 94.0 47.9 143.8
119 69.0 33.7 101.0





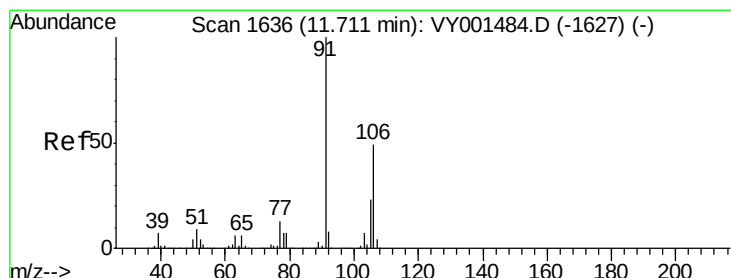
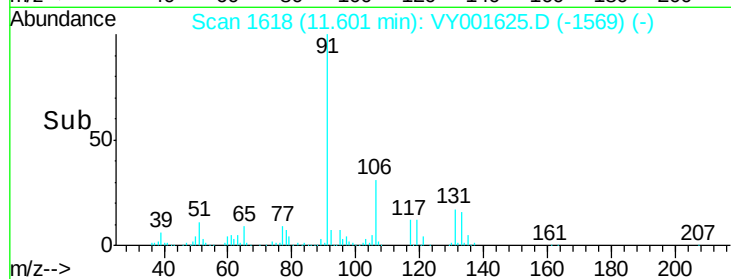
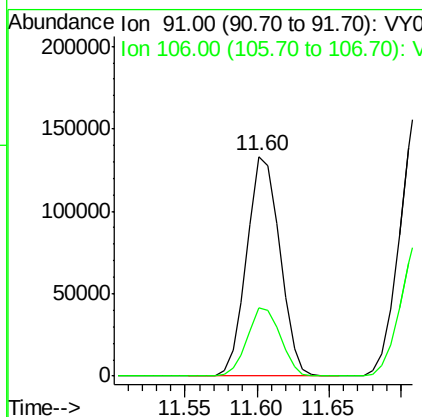
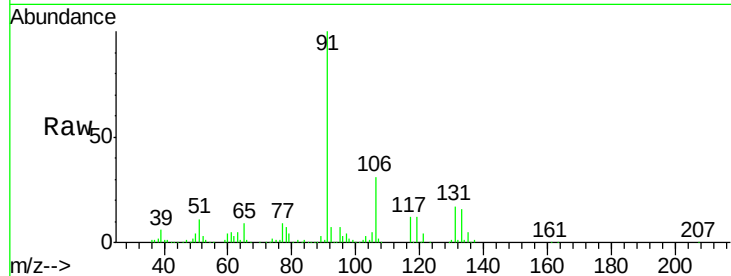
#67
Ethyl Benzene
Concen: 19.659 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VY001625.D
Acq: 13 Feb 2020 12:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0213SBS01

Tot Ion: 91 Resp: 212178
Ion Ratio Lower Upper
91 100
106 31.0 25.3 37.9

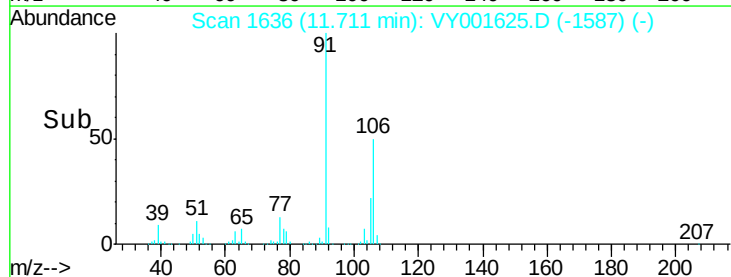
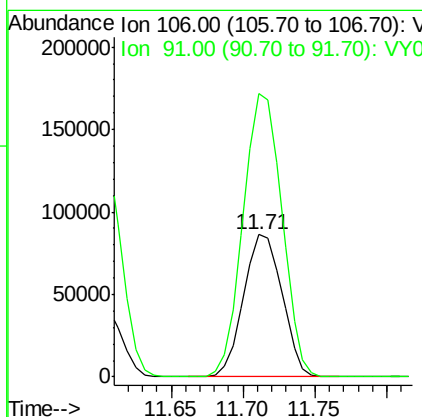
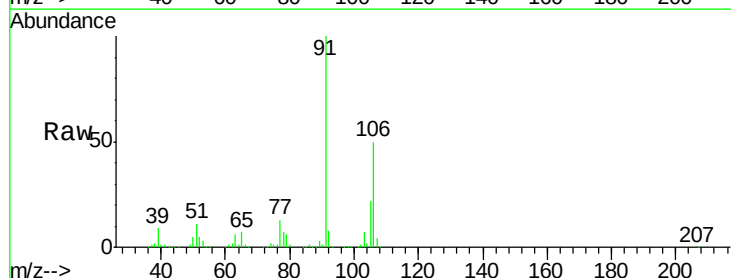
Manual Integrations
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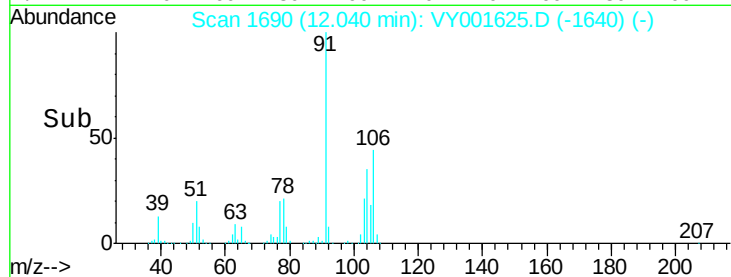
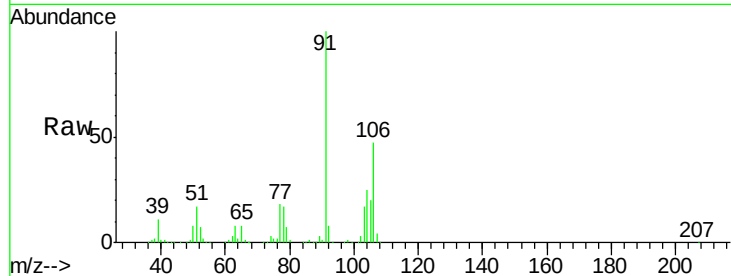
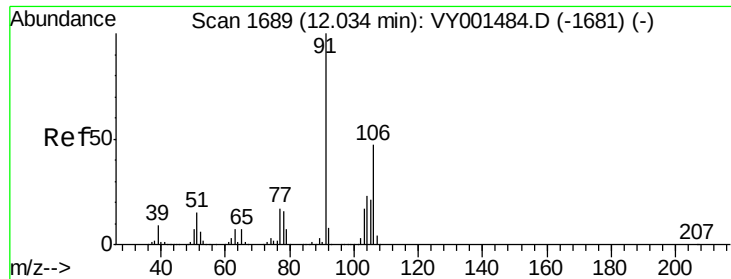
MMDadoda
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#68
m/p-Xylenes
Concen: 39.537 ug/l
RT: 11.71 min Scan# 1636
Delta R.T. 0.00 min
Lab File: VY001625.D
Acq: 13 Feb 2020 12:49

Tgt Ion: 106 Resp: 160194
Ion Ratio Lower Upper
106 100
91 200.6 163.6 245.4





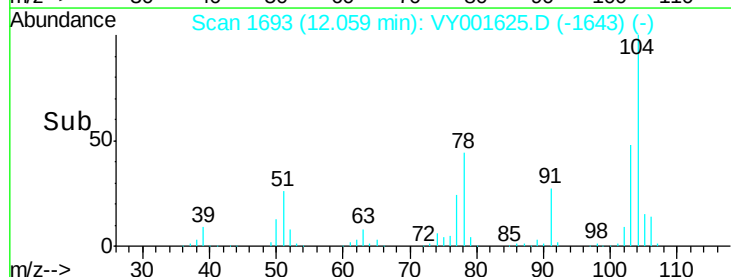
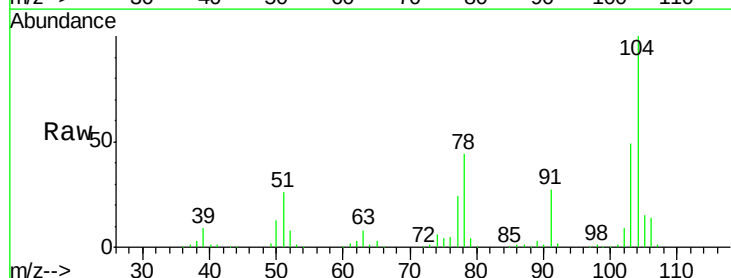
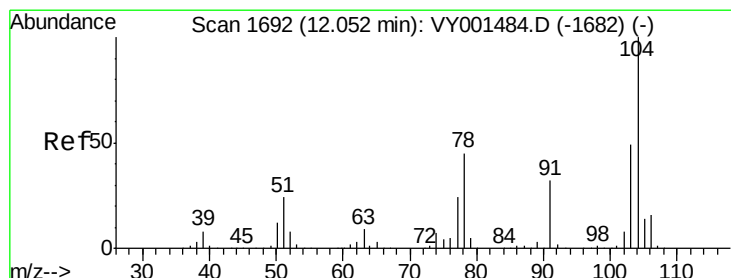
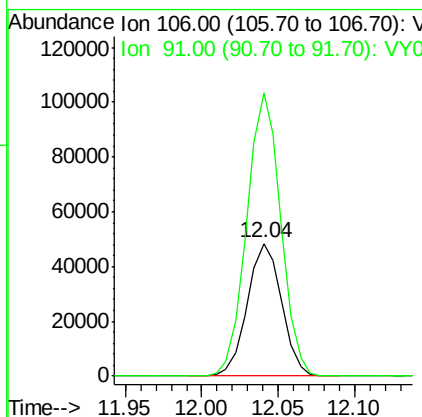
#69
o-Xylene
Concen: 19.723 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VY001625.D
Acq: 13 Feb 2020 12:49

Tot Ion:106 Resp: 75344
Ion Ratio Lower Upper
106 100
91 211.5 106.0 318.0

Instrument :
MSVOA_Y
ClientSampleId :
VY0213SBS01

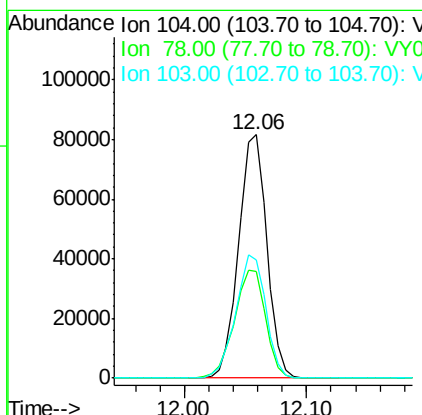
Manual Integrations
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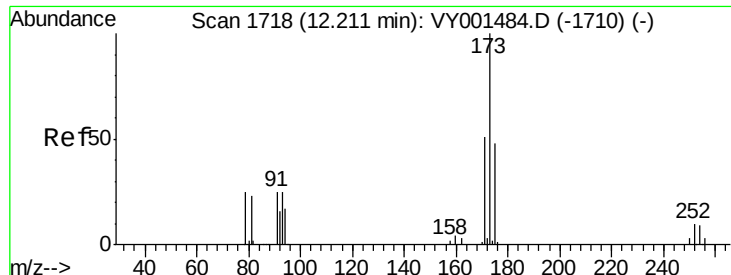
MMDadoda
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#70
Styrene
Concen: 19.756 ug/l
RT: 12.06 min Scan# 1693
Delta R.T. 0.01 min
Lab File: VY001625.D
Acq: 13 Feb 2020 12:49

Tgt Ion:104 Resp: 130516
Ion Ratio Lower Upper
104 100
78 48.9 40.4 60.6
103 53.7 42.8 64.2





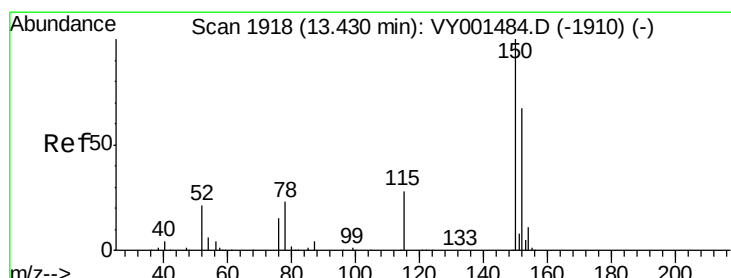
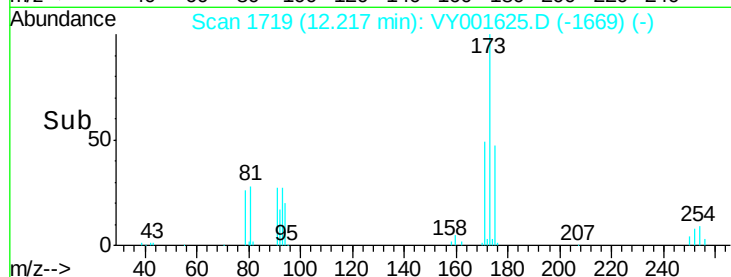
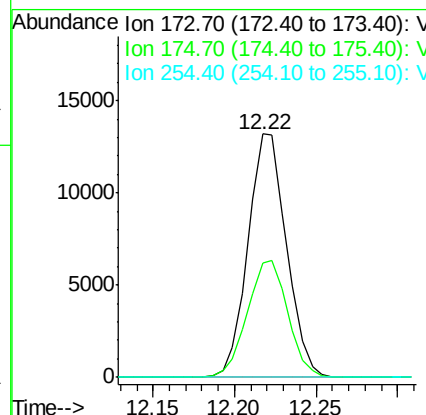
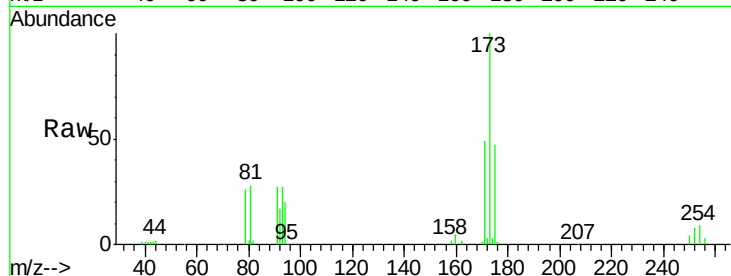
#71
Bromoform
Concen: 19.042 ug/l
RT: 12.22 min Scan# 1719
Delta R.T. 0.01 min
Lab File: VY001625.D
Acq: 13 Feb 2020 12:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0213SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.5	24.0	72.0
254	0.0	0.1	0.1

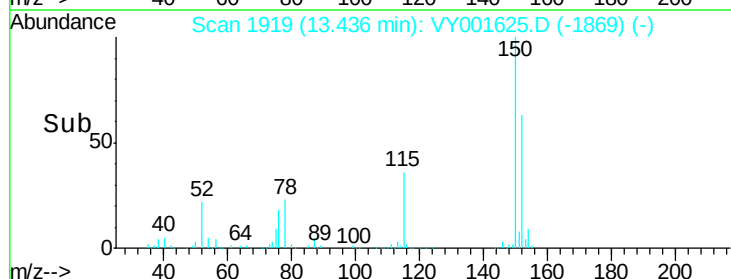
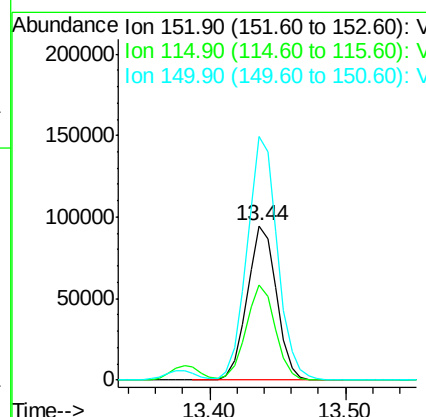
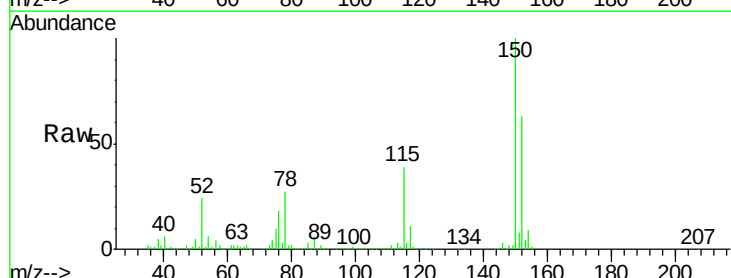
Manual Integrations
APPROVED

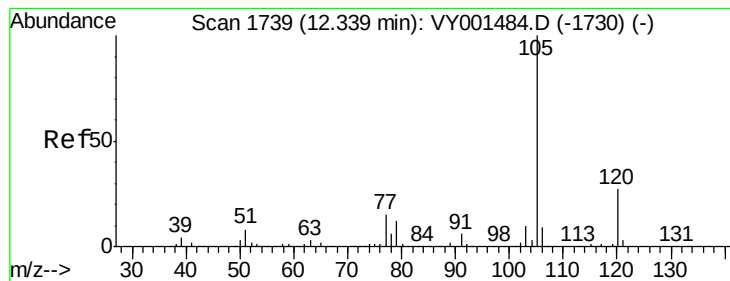
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1919
Delta R.T. 0.01 min
Lab File: VY001625.D
Acq: 13 Feb 2020 12:49

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.3	31.4	94.3
150	164.0	0.0	346.8





#73

Isopropylbenzene

Concen: 18.714 ug/l

RT: 12.34 min Scan# 1739

Delta R.T. 0.00 min

Lab File: VY001625.D

Acq: 13 Feb 2020 12:49

Instrument :

MSVOA_Y

ClientSampleId :

VY0213SBS01

Tot Ion:105 Resp: 203055

Ion Ratio Lower Upper

105 100

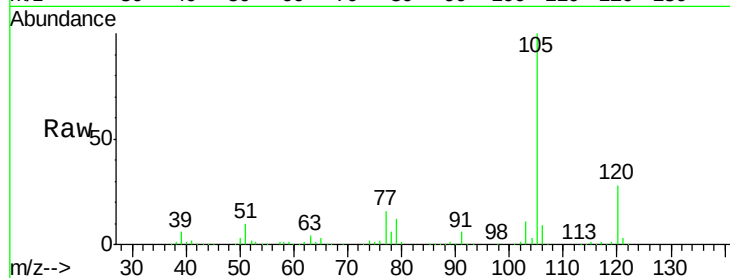
120 26.9 13.3 39.9

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

150000

100000

50000

0

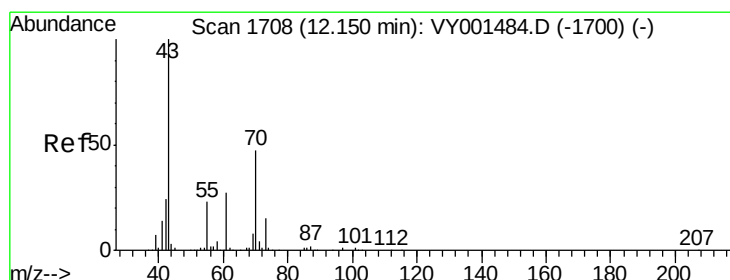
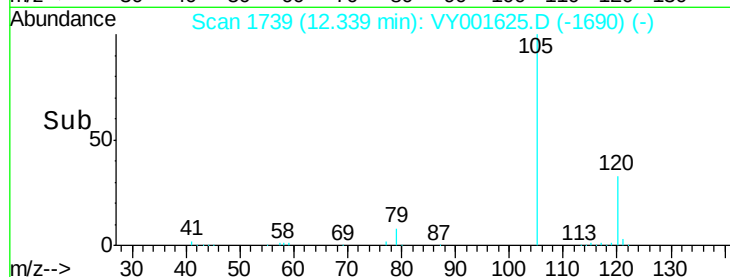
12.34

12.30

12.35

12.40

Time-->



#74

N-ethyl acetate

Concen: 23.617 ug/l

RT: 12.16 min Scan# 1709

Delta R.T. 0.01 min

Lab File: VY001625.D

Acq: 13 Feb 2020 12:49

Tgt Ion: 43 Resp: 66588

Ion Ratio Lower Upper

43 100

70 41.7 37.2 55.8

55 23.0 18.8 28.2

61 24.4 21.4 32.2

Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0

60000

40000

20000

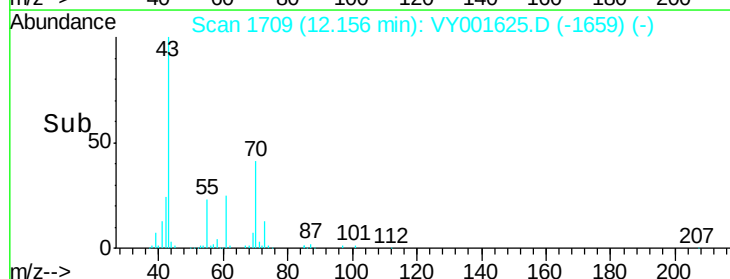
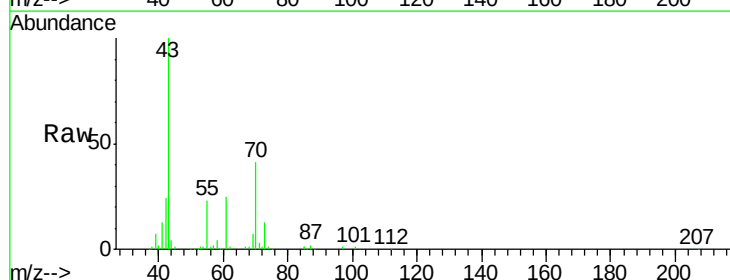
0

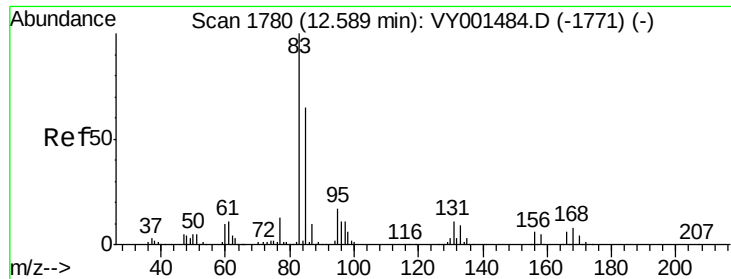
12.16

12.10

12.20

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 21.663 ug/l

RT: 12.60 min Scan# 1781

Delta R.T. 0.01 min

Lab File: VY001625.D

Acq: 13 Feb 2020 12:49

Instrument :

MSVOA_Y

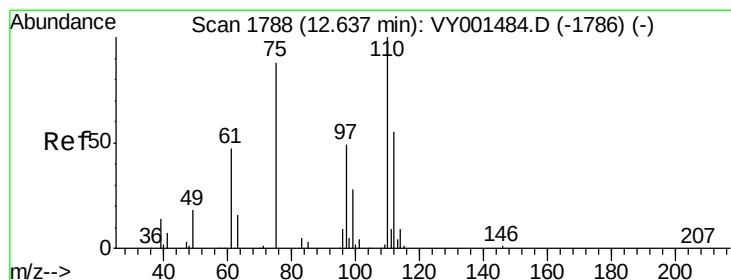
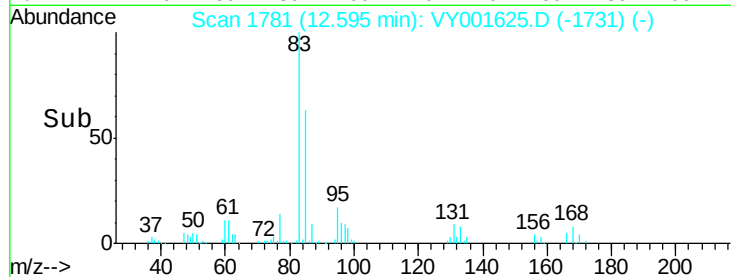
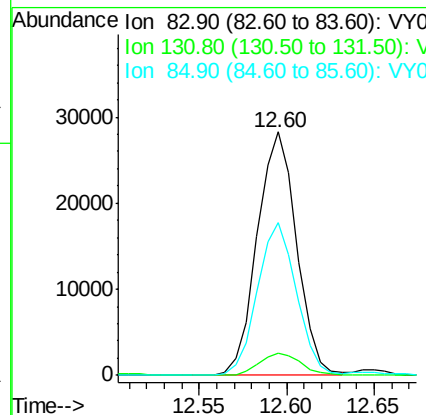
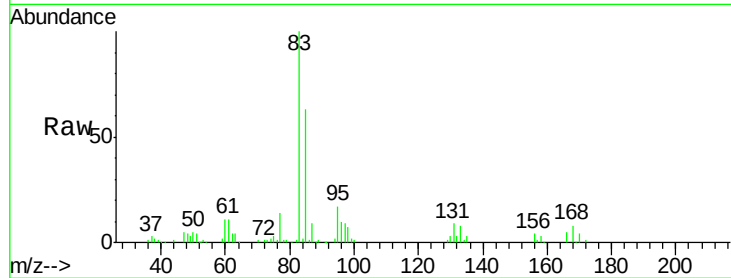
ClientSampleId :

VY0213SBS01

Tot Ion:	83	Resp:	44658
Ion Ratio	Lower	Upper	
83	100		
131	9.7	5.4	16.2
85	62.0	32.0	96.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.701 ug/l m

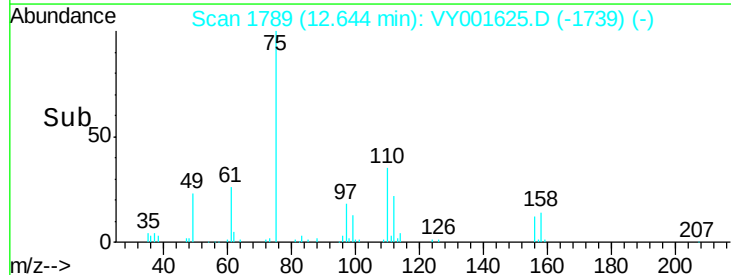
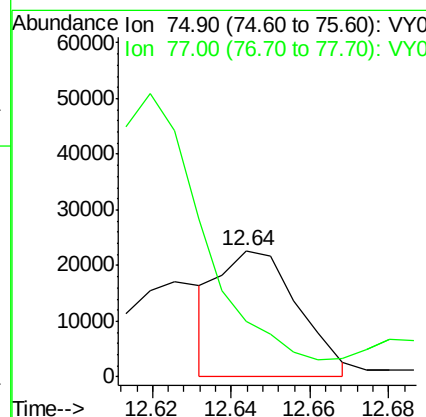
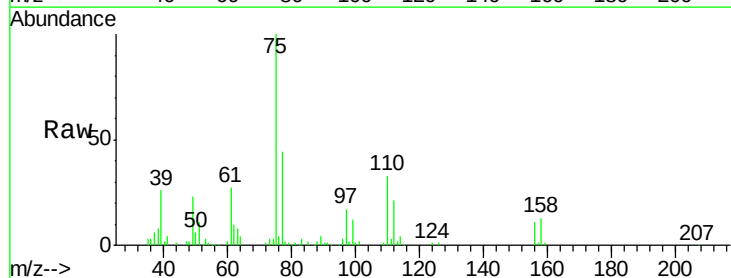
RT: 12.64 min Scan# 1789

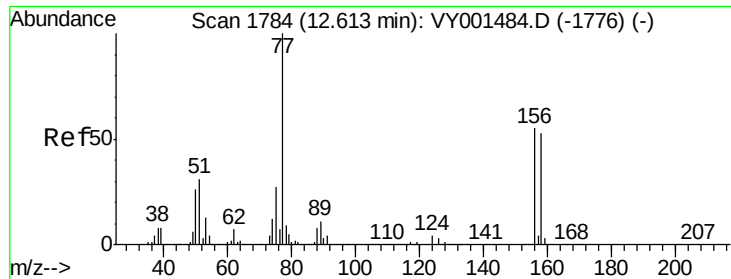
Delta R.T. 0.01 min

Lab File: VY001625.D

Acq: 13 Feb 2020 12:49

Tgt Ion:	75	Resp:	31670
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.016 ug/l

RT: 12.62 min Scan# 1785

Delta R.T. 0.01 min

Lab File: VY001625.D

Acq: 13 Feb 2020 12:49

Instrument :

MSVOA_Y

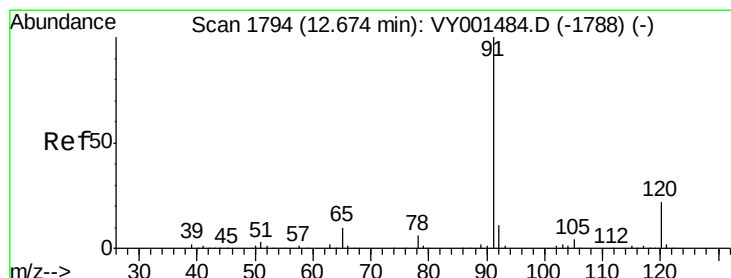
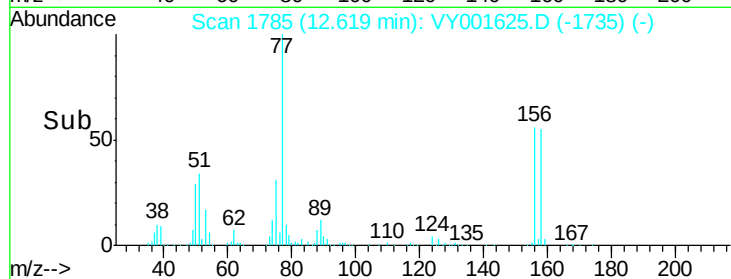
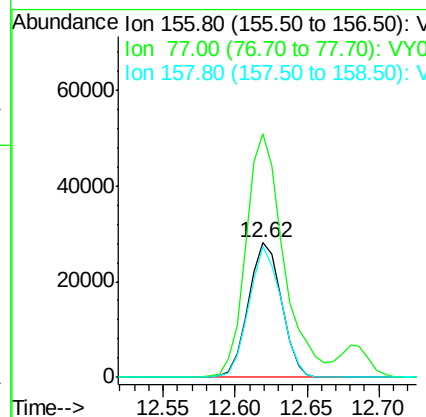
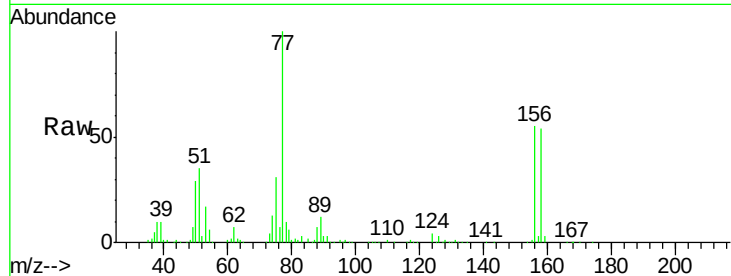
ClientSampleId :

VY0213SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	205.1	99.8	299.3
158	95.1	47.5	142.6

Manual Integrations
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#78

n-propylbenzene

Concen: 19.122 ug/l

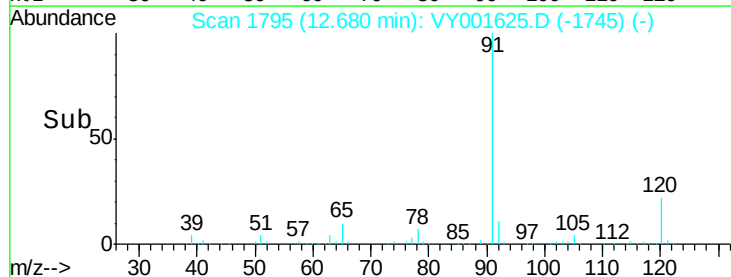
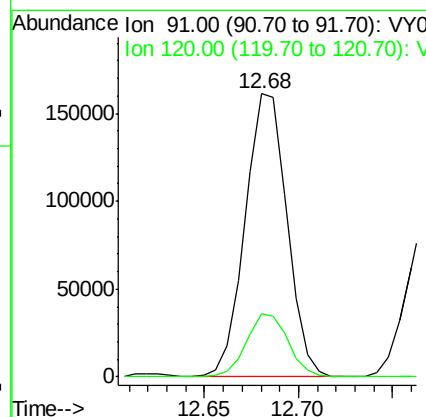
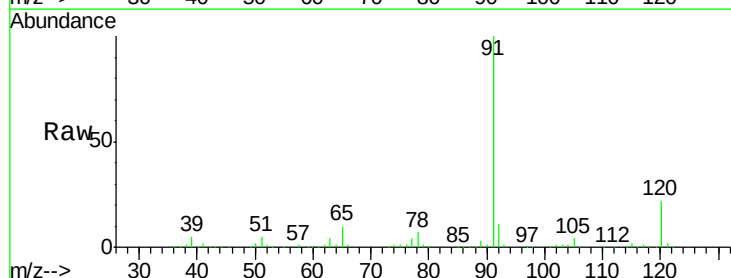
RT: 12.68 min Scan# 1795

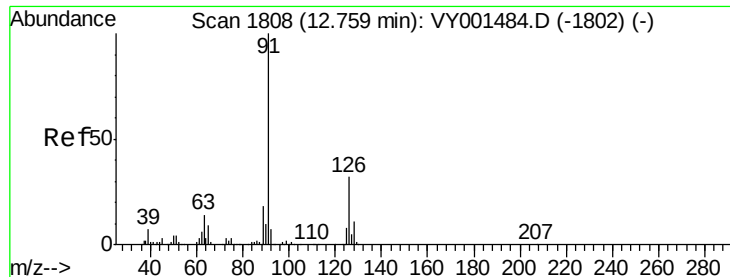
Delta R.T. 0.01 min

Lab File: VY001625.D

Acq: 13 Feb 2020 12:49

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.0	11.4	34.2





#79

2-Chlorotoluene

Concen: 18.733 ug/l

RT: 12.77 min Scan# 1809

Delta R.T. 0.01 min

Lab File: VY001625.D

Acq: 13 Feb 2020 12:49

Instrument :

MSVOA_Y

ClientSampleId :

VY0213SBS01

Tot Ion: 91 Resp: 138704

Ion Ratio Lower Upper

91 100

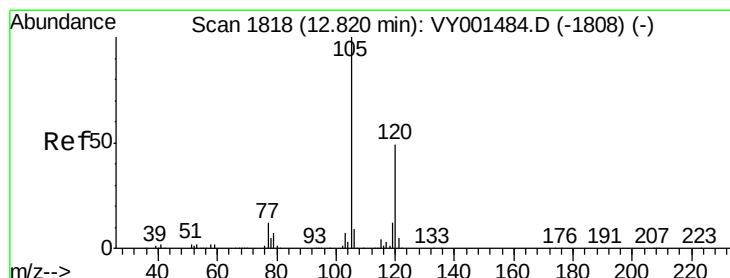
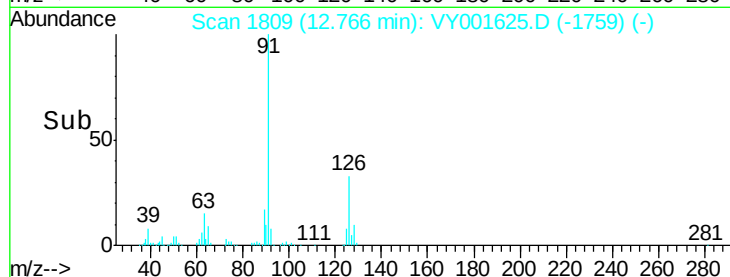
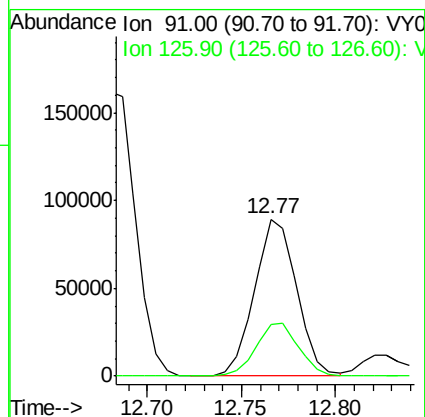
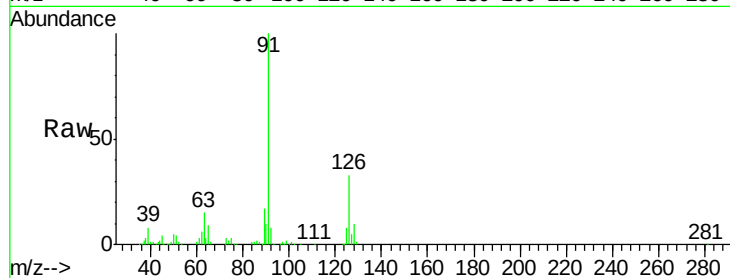
126 34.0 16.4 49.2

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 18.760 ug/l

RT: 12.83 min Scan# 1819

Delta R.T. 0.01 min

Lab File: VY001625.D

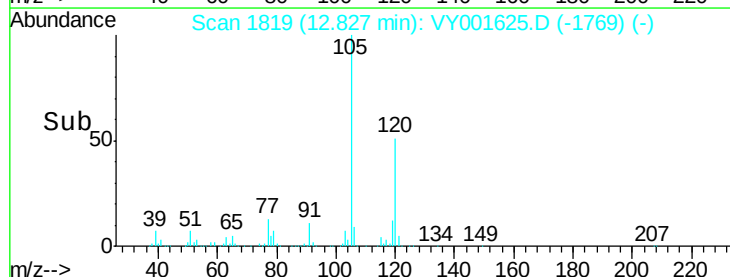
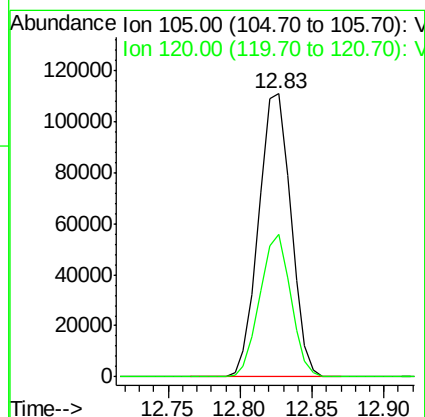
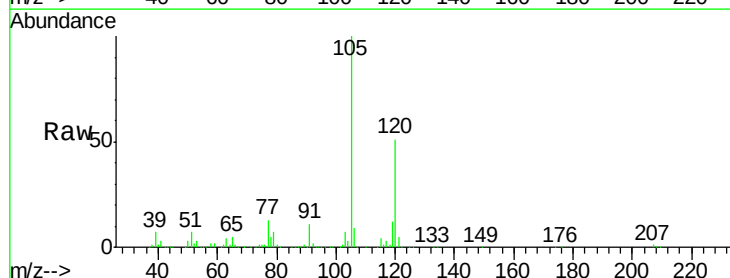
Acq: 13 Feb 2020 12:49

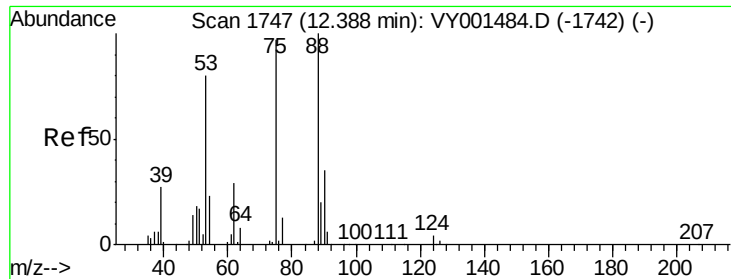
Tgt Ion: 105 Resp: 171420

Ion Ratio Lower Upper

105 100

120 48.6 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 20.049 ug/l

RT: 12.39 min Scan# 1748

Delta R.T. 0.01 min

Lab File: VY001625.D

Acq: 13 Feb 2020 12:49

Instrument :

MSVOA_Y

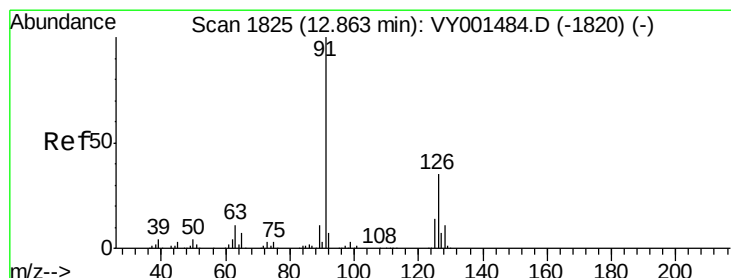
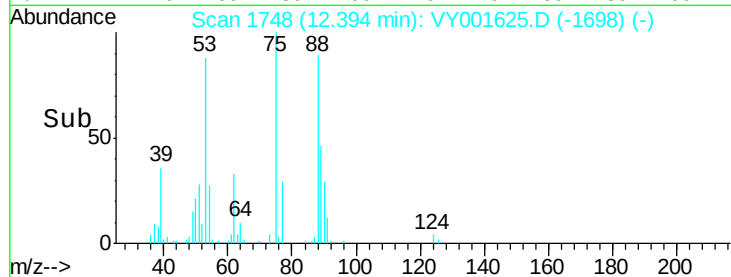
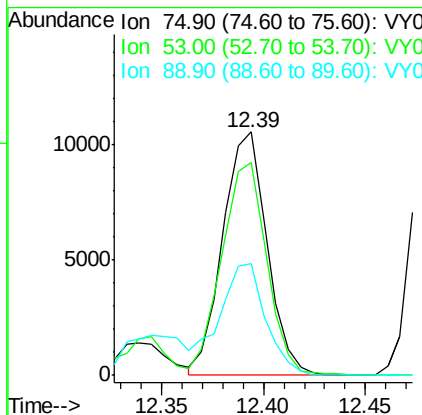
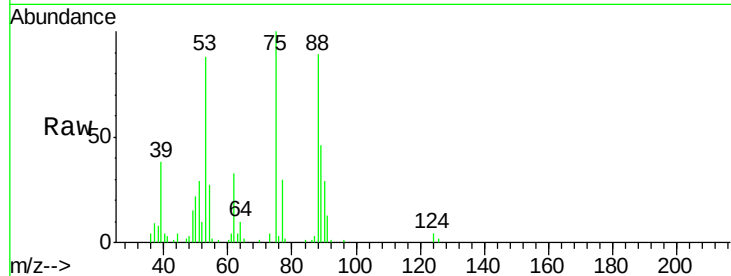
ClientSampleId :

VY0213SBS01

Tot Ion:	75	Resp:	15852
Ion Ratio	Lower	Upper	
75	100		
53	89.1	67.7	101.5
89	48.4	34.6	52.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 18.655 ug/l

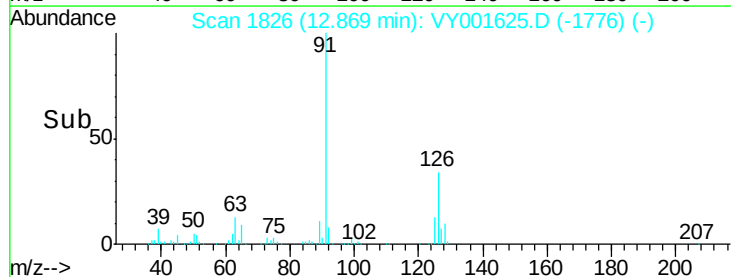
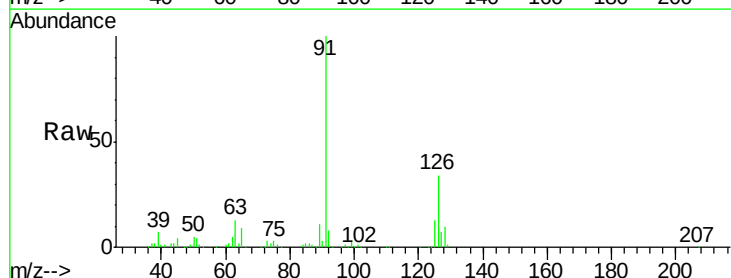
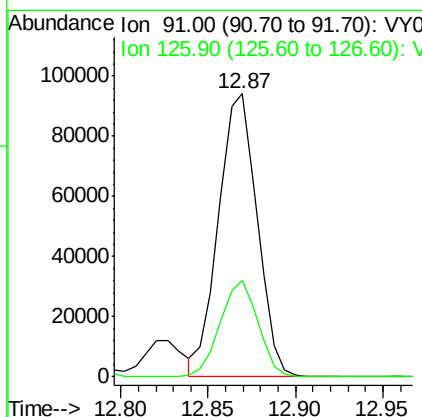
RT: 12.87 min Scan# 1826

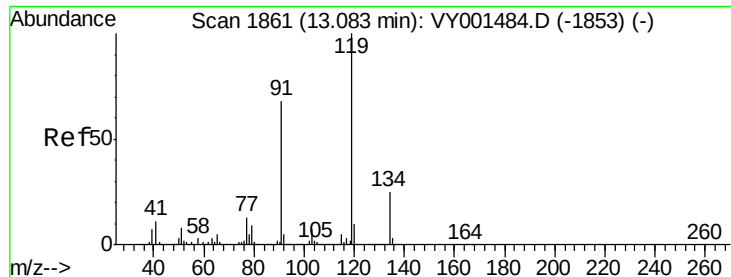
Delta R.T. 0.01 min

Lab File: VY001625.D

Acq: 13 Feb 2020 12:49

Tgt Ion:	91	Resp:	144816
Ion Ratio	Lower	Upper	
91	100		
126	33.5	16.5	49.5





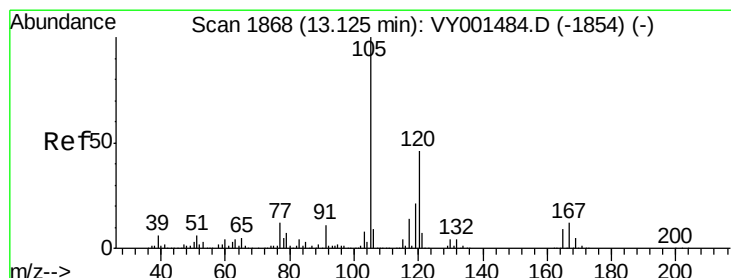
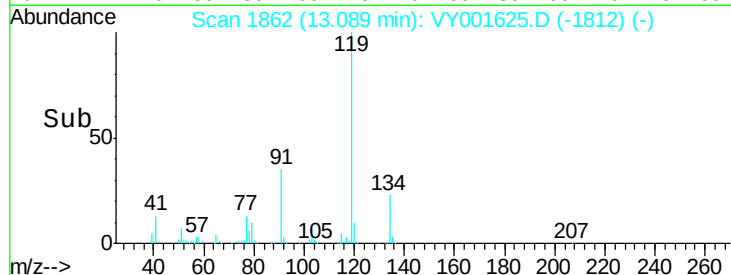
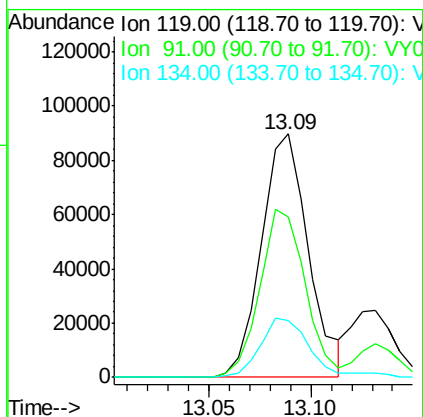
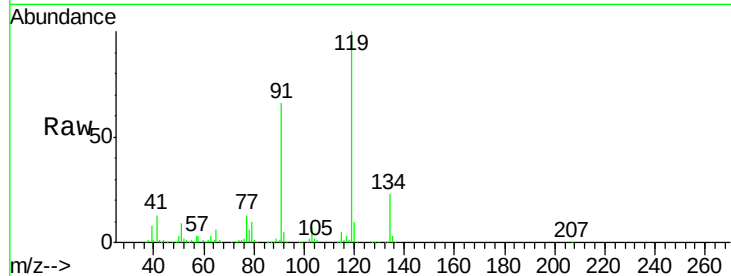
#83
tert-Butylbenzene
Concen: 18.656 ug/l
RT: 13.09 min Scan# 1862
Delta R.T. 0.01 min
Lab File: VY001625.D
Acq: 13 Feb 2020 12:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0213SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.6	33.1	99.3
134	26.3	13.0	39.0

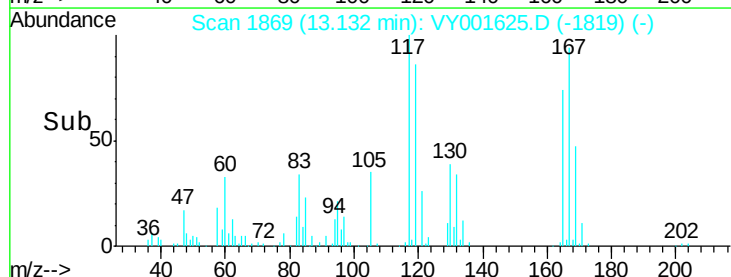
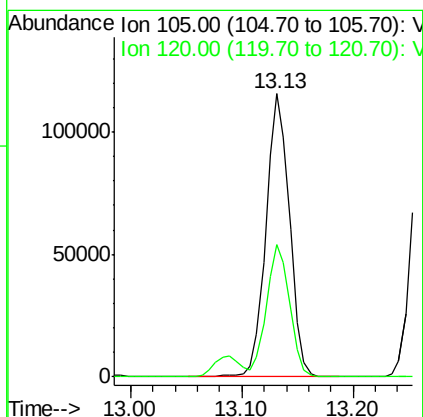
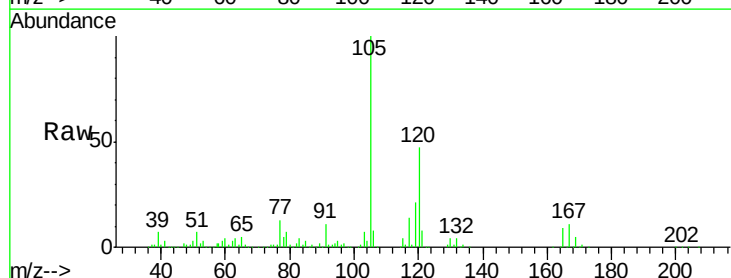
Manual Integrations
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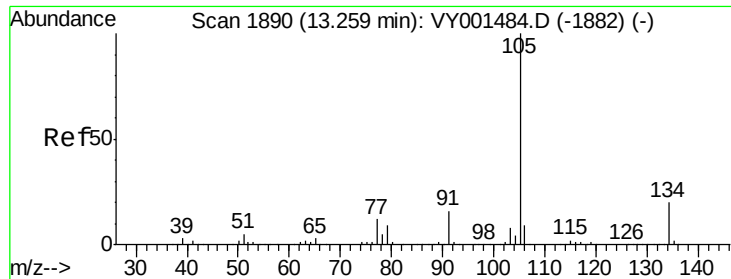
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 18.856 ug/l
RT: 13.13 min Scan# 1869
Delta R.T. 0.01 min
Lab File: VY001625.D
Acq: 13 Feb 2020 12:49

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.9	22.4	67.0





#85

sec-Butylbenzene

Concen: 19.185 ug/l

RT: 13.27 min Scan# 1891

Delta R.T. 0.01 min

Lab File: VY001625.D

Acq: 13 Feb 2020 12:49

Instrument :

MSVOA_Y

ClientSampleId :

VY0213SBS01

Tot Ion:105 Resp: 208335

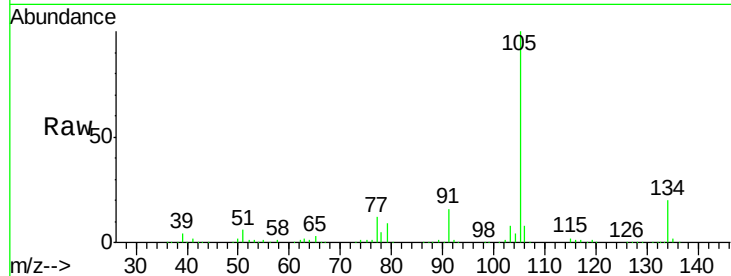
Ion Ratio Lower Upper

105 100

134 19.9 10.0 29.8

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.27

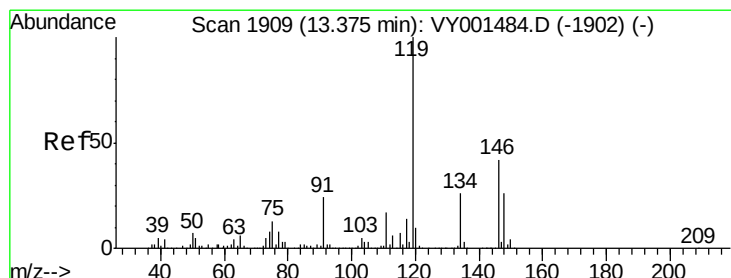
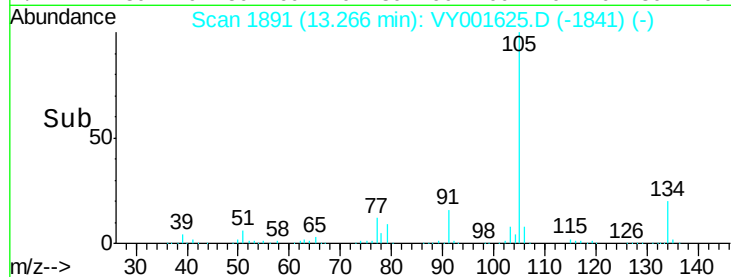
150000

100000

50000

0

Time--> 13.20 13.30



#86

p-Isopropyltoluene

Concen: 19.217 ug/l

RT: 13.38 min Scan# 1910

Delta R.T. 0.01 min

Lab File: VY001625.D

Acq: 13 Feb 2020 12:49

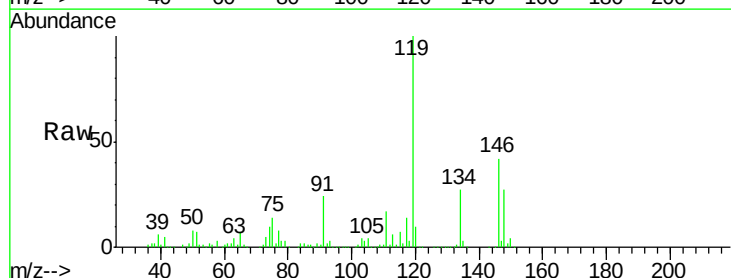
Tgt Ion:119 Resp: 183897

Ion Ratio Lower Upper

119 100

134 26.9 13.3 39.8

91 23.7 12.2 36.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0

13.38

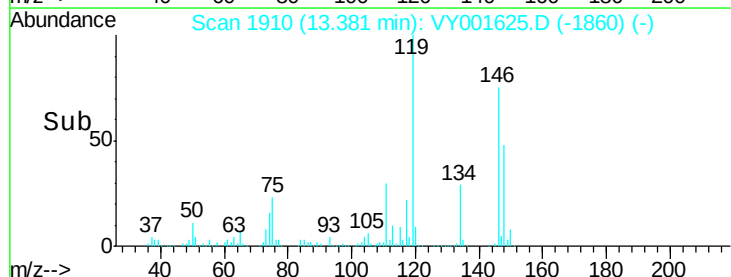
150000

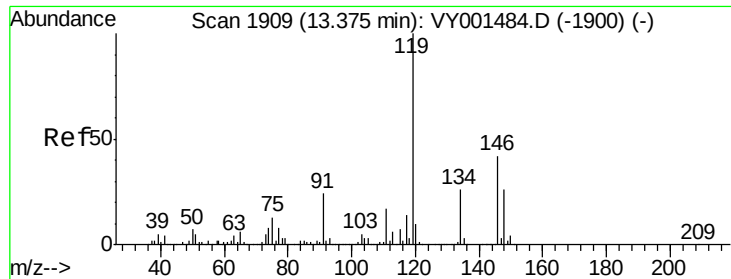
100000

50000

0

Time--> 13.30 13.35 13.40 13.45





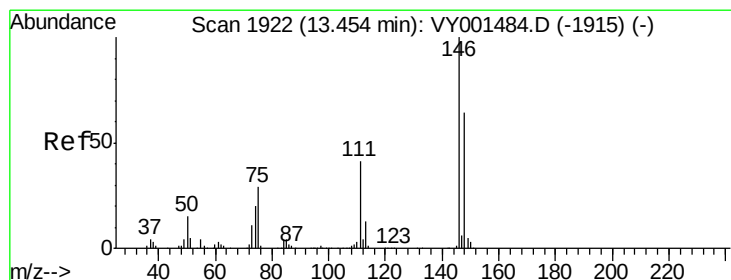
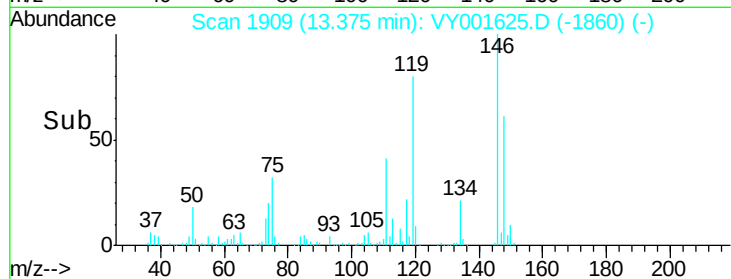
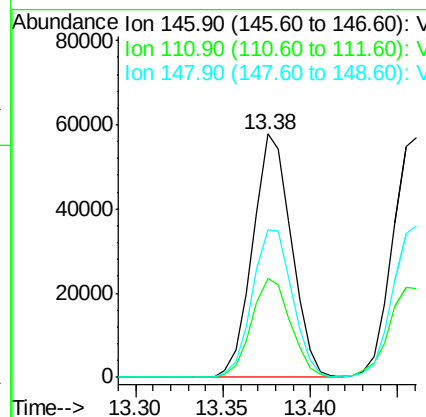
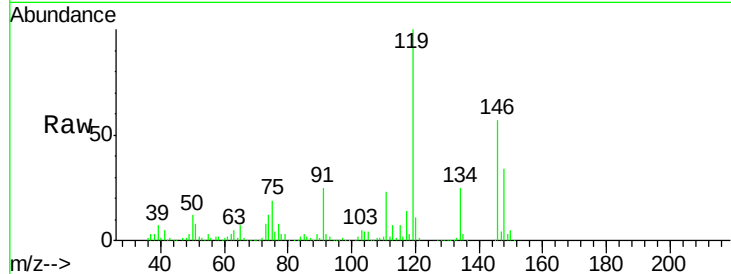
#87
 1,3-Dichlorobenzene
 Concen: 19.783 ug/l
 RT: 13.38 min Scan# 1909
 Delta R.T. 0.00 min
 Lab File: VY001625.D
 Acq: 13 Feb 2020 12:49

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0213SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	21.3	63.9
148	63.0	31.9	95.7

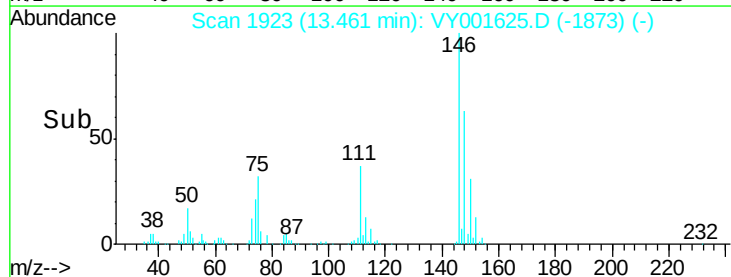
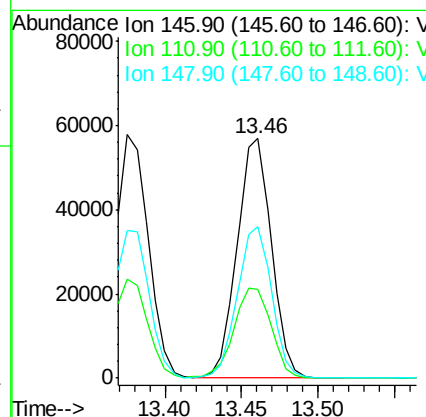
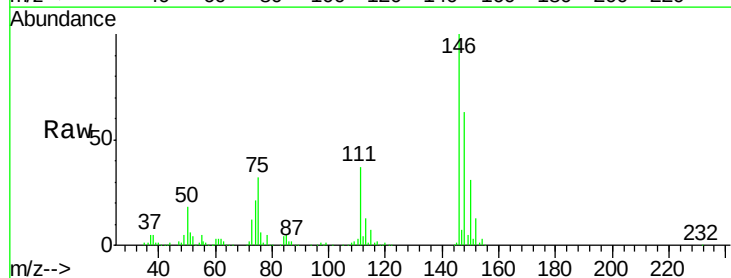
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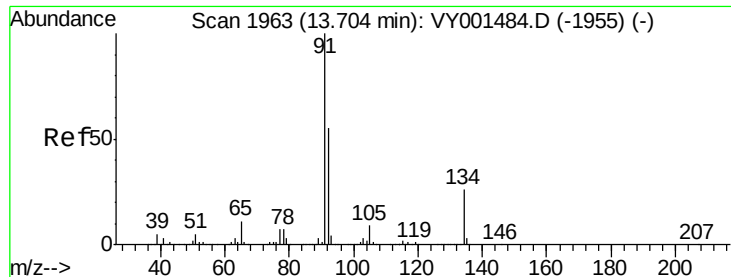
MMDadoda
 2/14/2020 5:27:14 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.647 ug/l
 RT: 13.46 min Scan# 1923
 Delta R.T. 0.01 min
 Lab File: VY001625.D
 Acq: 13 Feb 2020 12:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.7	62.1
148	63.2	32.1	96.5





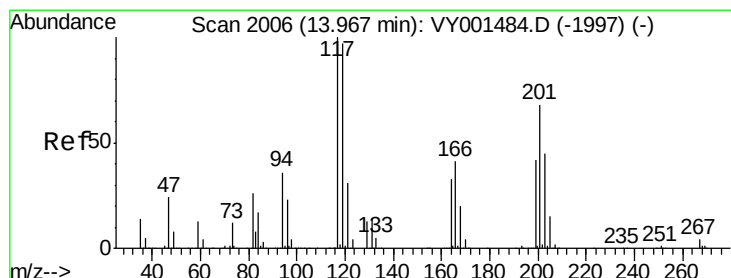
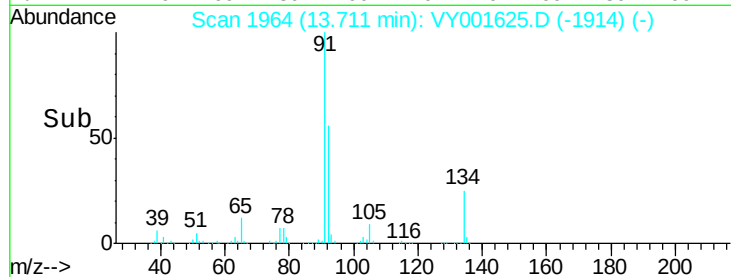
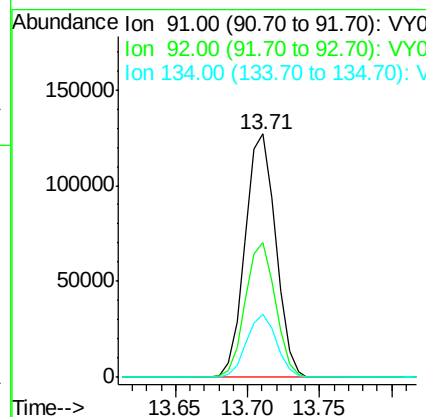
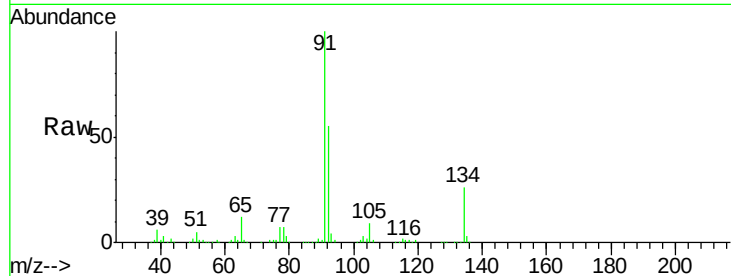
#89
n-Butylbenzene
Concen: 19.770 ug/l
RT: 13.71 min Scan# 1964
Delta R.T. 0.01 min
Lab File: VY001625.D
Acq: 13 Feb 2020 12:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0213BSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	186667		
92	54.5	27.3	81.9	
134	25.5	13.0	38.9	

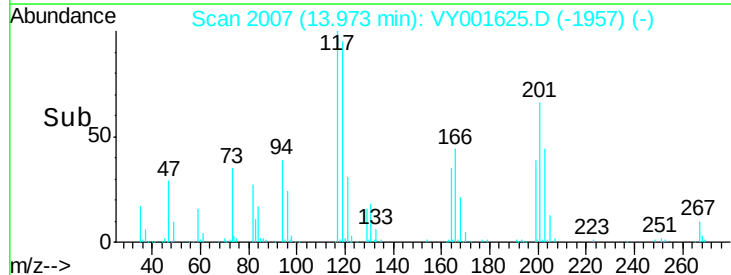
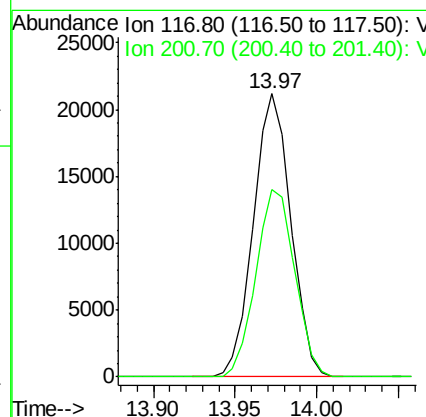
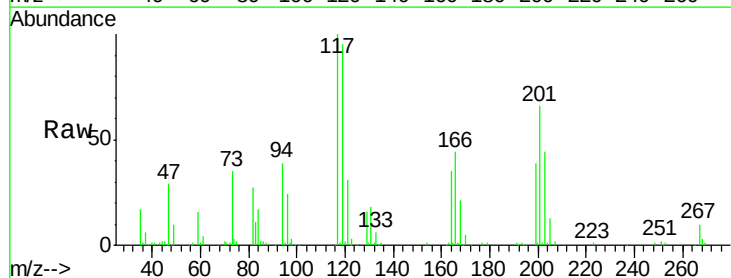
Manual Integrations
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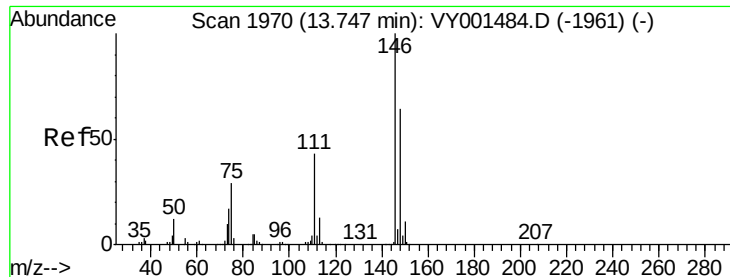
MMDadoda
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#90
Hexachloroethane
Concen: 18.478 ug/l
RT: 13.97 min Scan# 2007
Delta R.T. 0.01 min
Lab File: VY001625.D
Acq: 13 Feb 2020 12:49

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	33939		
201	69.0	34.1	102.3	





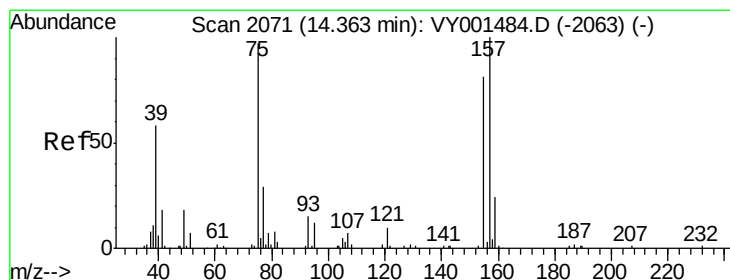
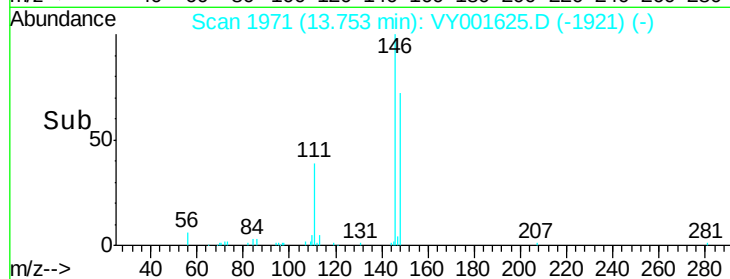
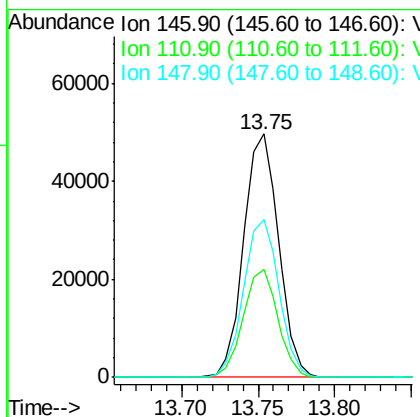
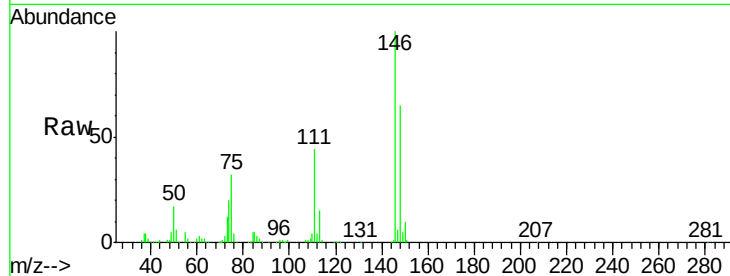
#91
 1,2-Dichlorobenzene
 Concen: 19.335 ug/l
 RT: 13.75 min Scan# 1971
 Delta R.T. 0.01 min
 Lab File: VY001625.D
 Acq: 13 Feb 2020 12:49

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0213SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.9	21.9	65.8
148	65.8	31.8	95.3

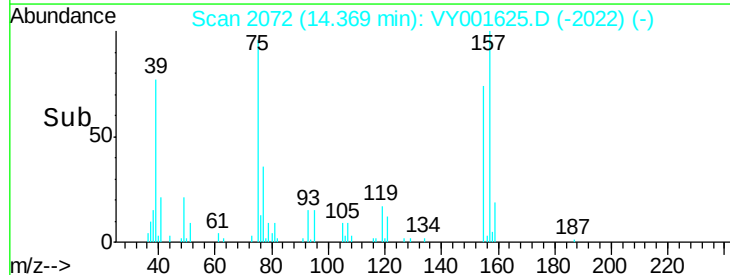
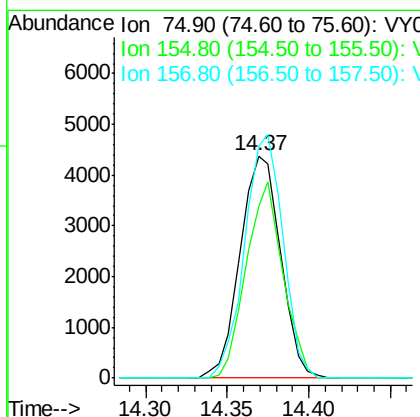
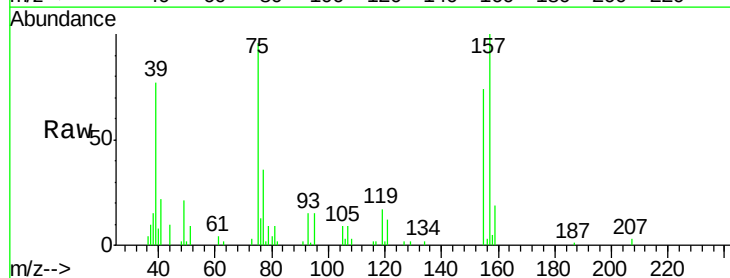
Manual Integrations
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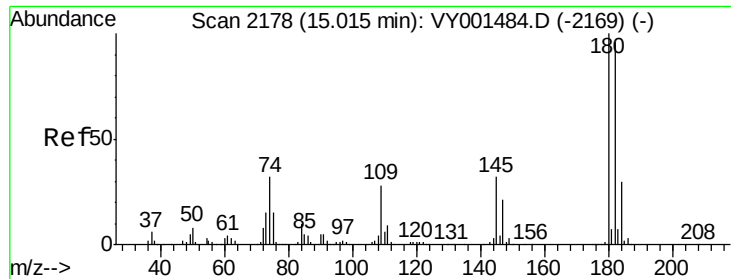
MMDadoda
 2/14/2020 5:27:14 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.871 ug/l
 RT: 14.37 min Scan# 2072
 Delta R.T. 0.01 min
 Lab File: VY001625.D
 Acq: 13 Feb 2020 12:49

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.3	40.7	122.1
157	103.6	52.3	157.1





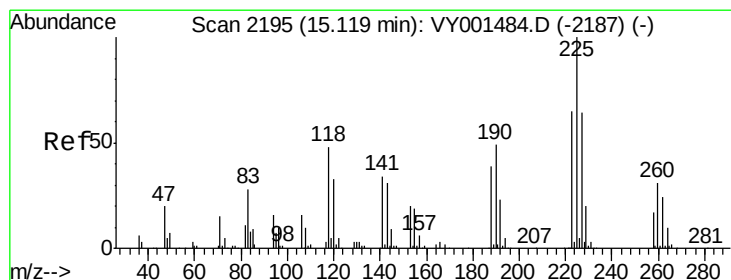
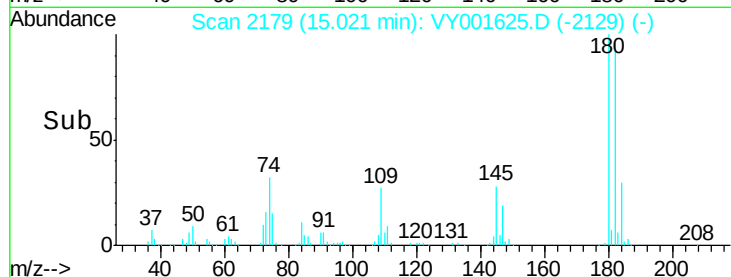
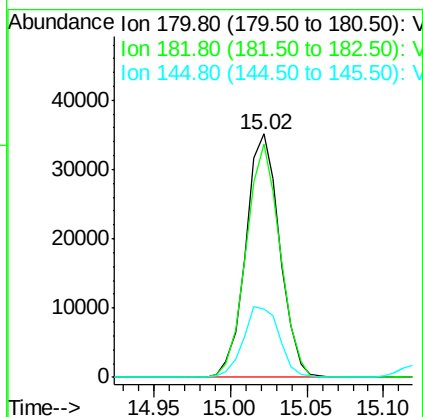
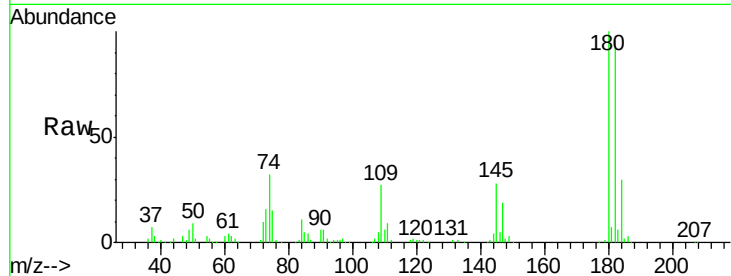
#93
1,2,4-Trichlorobenzene
Concen: 19.688 ug/l
RT: 15.02 min Scan# 2179
Delta R.T. 0.01 min
Lab File: VY001625.D
Acq: 13 Feb 2020 12:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0213SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	46.9	140.7
145	31.0	16.8	50.3

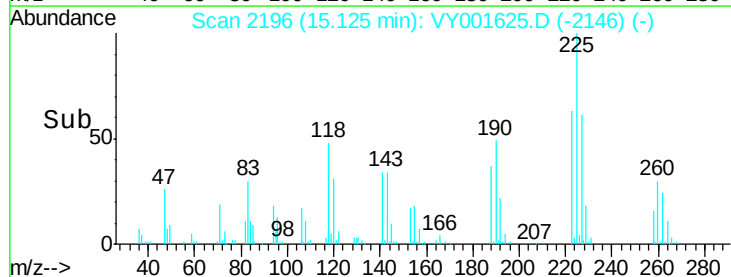
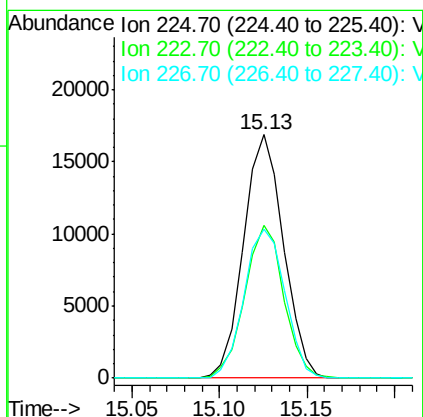
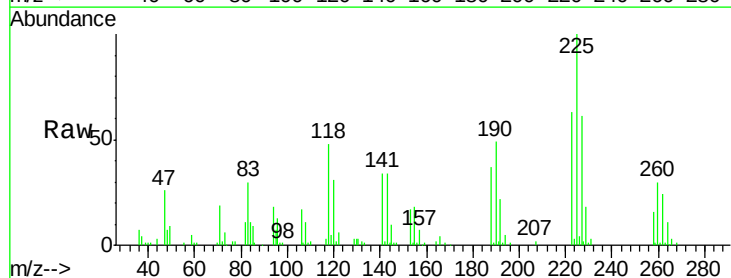
Manual Integrations
APPROVED

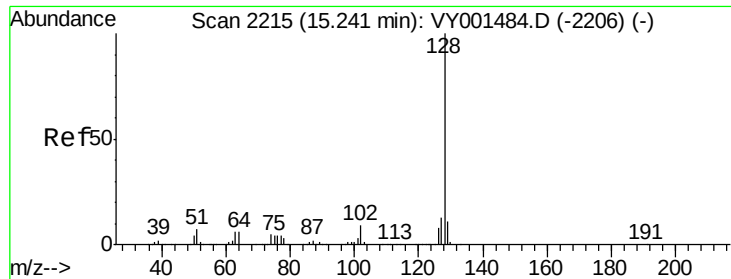
MMDadoda
2/14/2020 5:27:14 PM



#94
Hexachlorobutadiene
Concen: 19.227 ug/l
RT: 15.13 min Scan# 2196
Delta R.T. 0.01 min
Lab File: VY001625.D
Acq: 13 Feb 2020 12:49

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.3	31.9	95.7
227	62.5	32.6	97.7





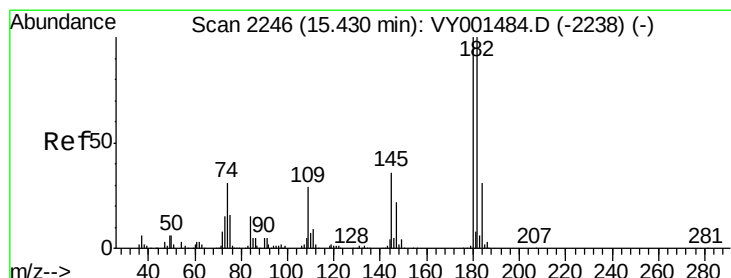
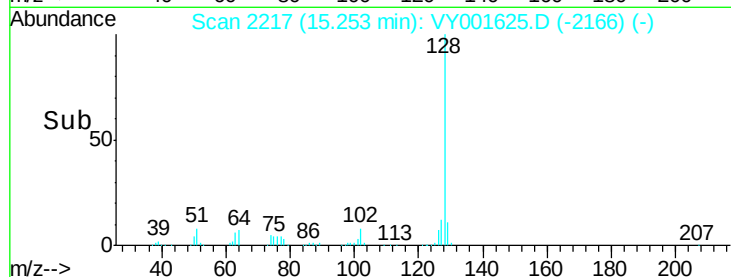
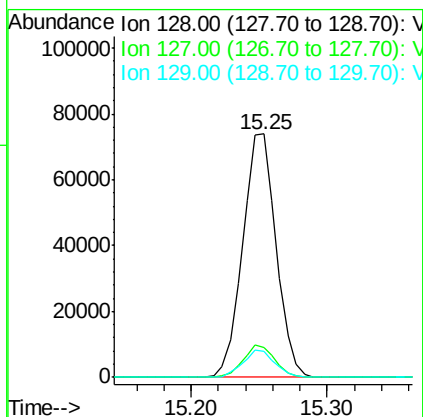
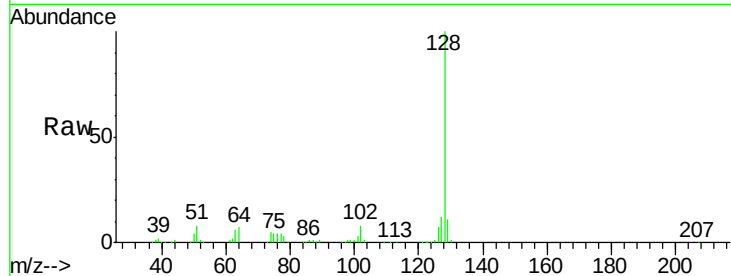
#95
Naphthalene
Concen: 19.640 ug/l
RT: 15.25 min Scan# 2217
Delta R.T. 0.01 min
Lab File: VY001625.D
Acq: 13 Feb 2020 12:49

Instrument :
MSVOA_Y
ClientSampleId :
VY0213SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	126846		
127	12.6		10.1	15.1
129	10.8		8.9	13.3

Manual Integrations
APPROVED

MMDadoda
2/14/2020 5:27:14 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.857 ug/l
RT: 15.44 min Scan# 2248
Delta R.T. 0.01 min
Lab File: VY001625.D
Acq: 13 Feb 2020 12:49

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	48169		
182	95.0		48.0	144.2
145	32.9		17.8	53.5

