

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021820\
 Data File : VY001665.D
 Acq On : 18 Feb 2020 11:46
 Operator : SY/MD
 Sample : VY0218SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0218SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/19/2020 1:42:52 PM

Quant Time: Feb 19 07:11:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 17 12:19:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	191006	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	335182	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	299945	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	140229	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.16	65	95884	46.67	ug/l	0.00
Spiked Amount			Recovery	=	93.34%	
35) Dibromofluoromethane	7.75	113	90838	47.32	ug/l	0.00
Spiked Amount			Recovery	=	94.64%	
50) Toluene-d8	10.19	98	376821	50.10	ug/l	0.00
Spiked Amount			Recovery	=	100.20%	
62) 4-Bromofluorobenzene	12.49	95	131468	44.99	ug/l	0.00
Spiked Amount			Recovery	=	89.98%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	33020	17.735	ug/l	99
3) Chloromethane	2.13	50	46057	18.391	ug/l	99
4) Vinyl Chloride	2.27	62	47501	18.806	ug/l	99
5) Bromomethane	2.66	94	31849	20.175	ug/l	90
6) Chloroethane	2.81	64	29968	19.253	ug/l	98
7) Trichlorofluoromethane	3.15	101	62589	19.361	ug/l	94
8) Diethyl Ether	3.55	74	23222	18.221	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.93	101	39431	19.405	ug/l	99
10) Methyl Iodide	4.12	142	45215	18.182	ug/l	99
11) Tert butyl alcohol	4.98	59	23345	80.957	ug/l #	85
12) 1,1-Dichloroethene	3.90	96	39518	19.068	ug/l	99
13) Acrolein	3.76	56	17441	84.053	ug/l	97
14) Allyl chloride	4.51	41	69907	18.953	ug/l	97
15) Acrylonitrile	5.20	53	56898	87.101	ug/l	99
16) Acetone	3.98	43	51313	72.181	ug/l	100
17) Carbon Disulfide	4.22	76	131232	18.967	ug/l	100
18) Methyl Acetate	4.51	43	27204	17.572	ug/l	100
19) Methyl tert-butyl Ether	5.25	73	102906	17.834	ug/l	97
20) Methylene Chloride	4.75	84	46306	18.338	ug/l	98
21) trans-1,2-Dichloroethene	5.25	96	45772	19.358	ug/l	95
22) Diisopropyl ether	6.14	45	142463	18.808	ug/l	93
23) Vinyl Acetate	6.10	43	443466	89.756	ug/l	98
24) 1,1-Dichloroethane	6.05	63	76966	19.012	ug/l	98
25) 2-Butanone	7.02	43	77247	79.989	ug/l	97
26) 2,2-Dichloropropane	7.02	77	68179	19.357	ug/l	98
27) cis-1,2-Dichloroethene	7.02	96	49247	18.869	ug/l	99
28) Bromochloromethane	7.36	49	28736	17.040	ug/l	99
29) Tetrahydrofuran	7.38	42	49213	84.312	ug/l	97
30) Chloroform	7.53	83	74125	18.739	ug/l	98
31) Cyclohexane	7.81	56	81852	18.963	ug/l	95
32) 1,1,1-Trichloroethane	7.73	97	64371	19.362	ug/l	98
36) 1,1-Dichloropropene	7.94	75	63074	19.701	ug/l	99
37) Ethyl Acetate	7.11	43	32039	16.766	ug/l	99
38) Carbon Tetrachloride	7.92	117	54649	19.433	ug/l	97

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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	9.21	83	82636	19.455	ug/l	96
40) Benzene	8.19	78	182847	19.418	ug/l	98
41) Methacrylonitrile	7.35	41	18148	18.914	ug/l #	94
42) 1,2-Dichloroethane	8.27	62	48323	18.837	ug/l	100
43) Isopropyl Acetate	8.30	43	63717	17.574	ug/l	100
44) Trichloroethene	8.96	130	45911	19.532	ug/l	99
45) 1,2-Dichloropropane	9.24	63	46767	19.832	ug/l	99
46) Dibromomethane	9.33	93	23302	18.892	ug/l	99
47) Bromodichloromethane	9.52	83	56200	18.879	ug/l	100
48) Methyl methacrylate	9.31	41	28669	17.484	ug/l	100
49) 1,4-Dioxane	9.31	88	5758	330.524	ug/l	92
51) 4-Methyl-2-Pentanone	10.09	43	160284	86.043	ug/l	98
52) Toluene	10.26	92	114873	19.558	ug/l	99
53) t-1,3-Dichloropropene	10.48	75	60729	18.454	ug/l	99
54) cis-1,3-Dichloropropene	9.94	75	72521	19.147	ug/l	97
55) 1,1,2-Trichloroethane	10.66	97	33058	18.176	ug/l	95
56) Ethyl methacrylate	10.52	69	47327	17.346	ug/l	95
57) 1,3-Dichloropropane	10.80	76	60260	18.647	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	119791	105.710	ug/l	98
59) 2-Hexanone	10.85	43	115566	82.682	ug/l	96
60) Dibromochloromethane	11.00	129	37187	18.546	ug/l	99
61) 1,2-Dibromoethane	11.10	107	32370	18.823	ug/l	98
64) Tetrachloroethene	10.74	164	37044	19.674	ug/l	97
65) Chlorobenzene	11.53	112	117985	19.702	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	39521	19.564	ug/l	99
67) Ethyl Benzene	11.61	91	221180	19.903	ug/l	98
68) m/p-Xylenes	11.72	106	165463	39.859	ug/l	97
69) o-Xylene	12.04	106	76358	19.348	ug/l	99
70) Styrene	12.06	104	131985	19.243	ug/l	99
71) Bromoform	12.22	173	20414	17.683	ug/l #	98
73) Isopropylbenzene	12.34	105	208528	19.520	ug/l	100
74) N-amyl acetate	12.16	43	60932	17.872	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.59	83	40994	17.972	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	28399m	17.654	ug/l	
77) Bromobenzene	12.62	156	44931	19.401	ug/l	95
78) n-propylbenzene	12.68	91	260967	20.058	ug/l	99
79) 2-Chlorotoluene	12.77	91	142448	19.521	ug/l	100
80) 1,3,5-Trimethylbenzene	12.82	105	175614	19.859	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	14595	17.213	ug/l	94
82) 4-Chlorotoluene	12.87	91	148915	19.349	ug/l	97
83) tert-Butylbenzene	13.09	119	149241	20.178	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	176395	20.008	ug/l	100
85) sec-Butylbenzene	13.27	105	216472	19.901	ug/l	99
86) p-Isopropyltoluene	13.38	119	189502	20.054	ug/l	98
87) 1,3-Dichlorobenzene	13.38	146	88825	19.777	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	89249	19.658	ug/l	98
89) n-Butylbenzene	13.70	91	192792	19.966	ug/l	100
90) Hexachloroethane	13.97	117	34597	19.432	ug/l	96
91) 1,2-Dichlorobenzene	13.75	146	80593	19.444	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.37	75	6261	16.632	ug/l	100

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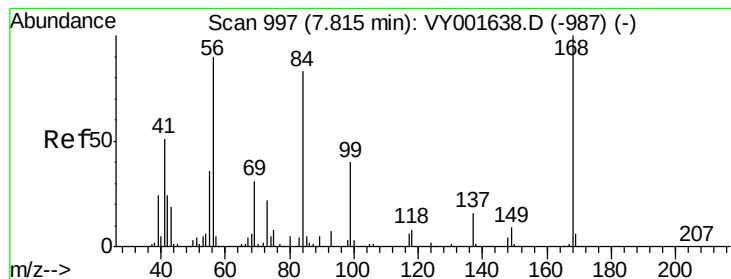
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	53918	19.630	ug/l	99
94) Hexachlorobutadiene	15.12	225	26890	19.685	ug/l	97
95) Naphthalene	15.25	128	112461	17.757	ug/l	99
96) 1,2,3-Trichlorobenzene	15.44	180	45860	18.978	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.00 min

Lab File: VY001665.D

Acq: 18 Feb 2020 11:46

Instrument :

MSVOA_Y

ClientSampleId :

VY0218SBS01

Tot Ion:168 Resp: 191006

Ion Ratio Lower Upper

168 100

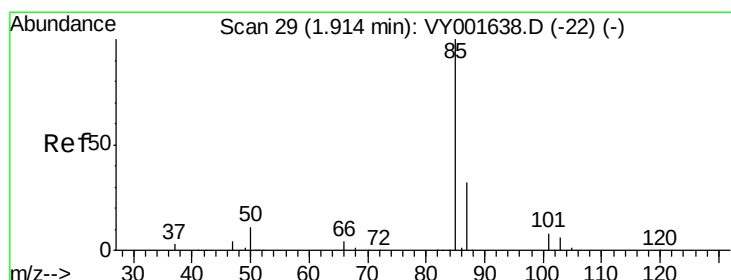
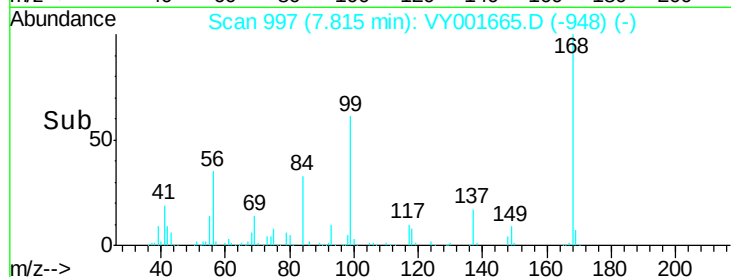
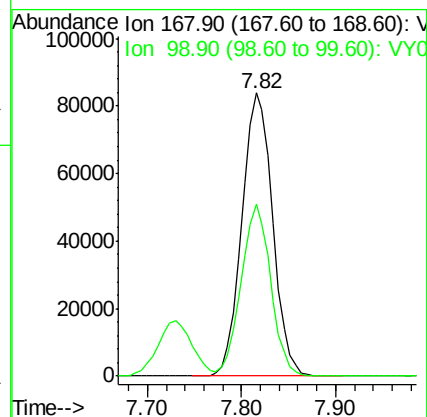
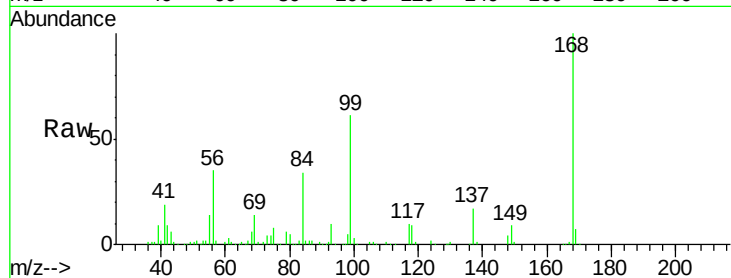
99 60.6 47.5 71.3

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#2

Dichlorodifluoromethane

Concen: 17.735 ug/l

RT: 1.91 min Scan# 29

Delta R.T. 0.00 min

Lab File: VY001665.D

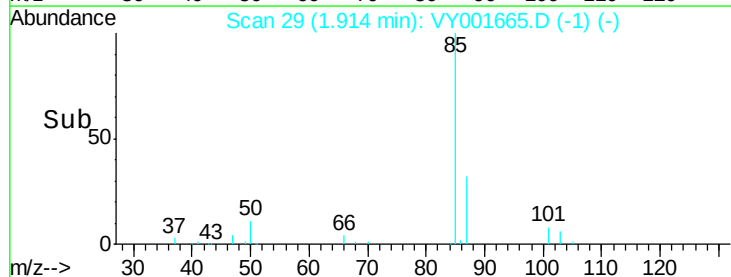
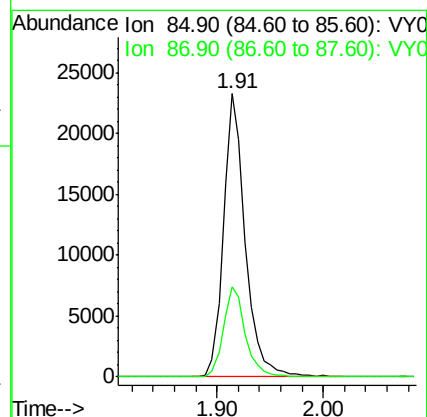
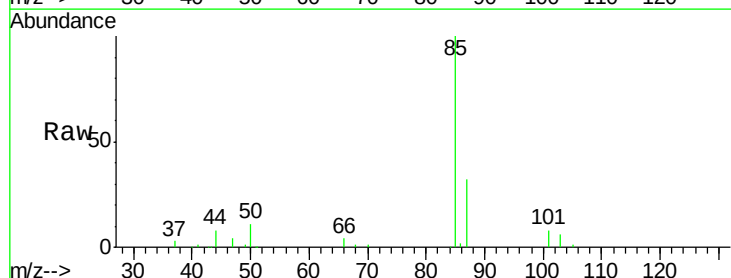
Acq: 18 Feb 2020 11:46

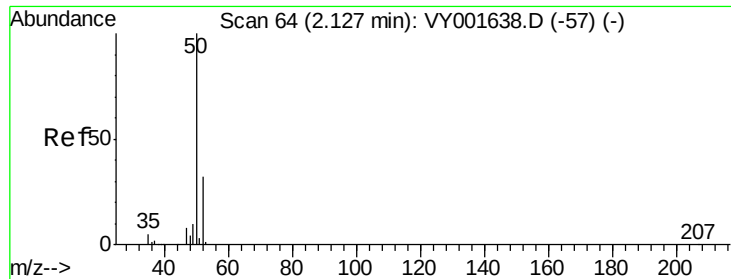
Tgt Ion: 85 Resp: 33020

Ion Ratio Lower Upper

85 100

87 32.0 16.2 48.6





#3

Chloromethane

Concen: 18.391 ug/l

RT: 2.13 min Scan# 64

Delta R.T. 0.00 min

Lab File: VY001665.D

Acq: 18 Feb 2020 11:46

Instrument :

MSVOA_Y

ClientSampleId :

VY0218SBS01

Tot Ion: 50 Resp: 46057

Ion Ratio Lower Upper

50 100

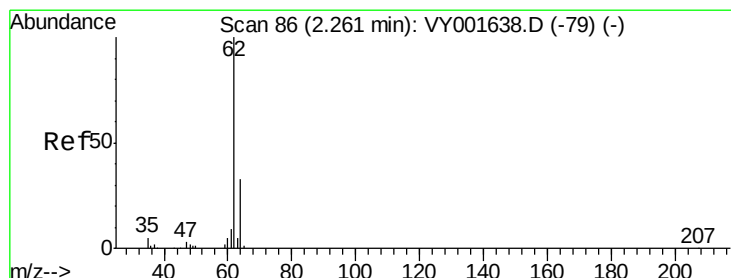
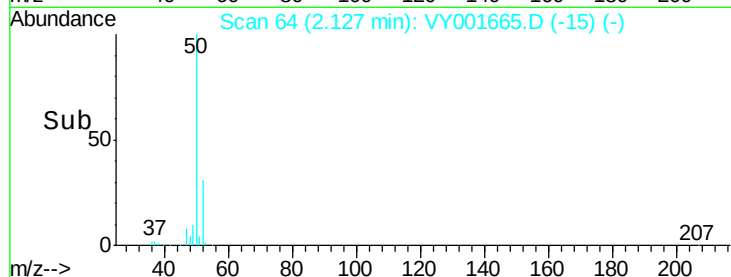
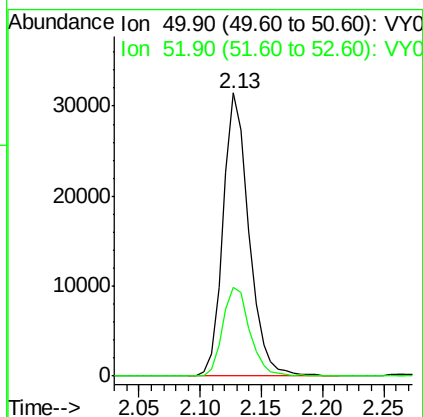
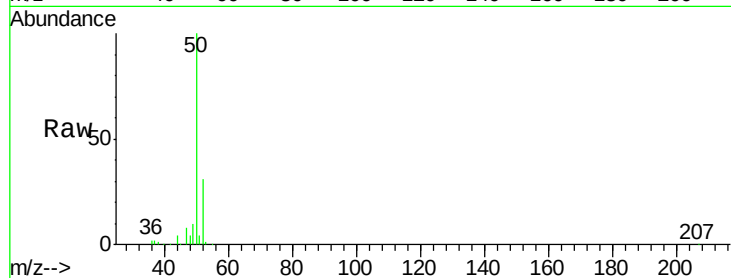
52 31.5 25.8 38.6

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#4

Vinyl Chloride

Concen: 18.806 ug/l

RT: 2.27 min Scan# 87

Delta R.T. 0.01 min

Lab File: VY001665.D

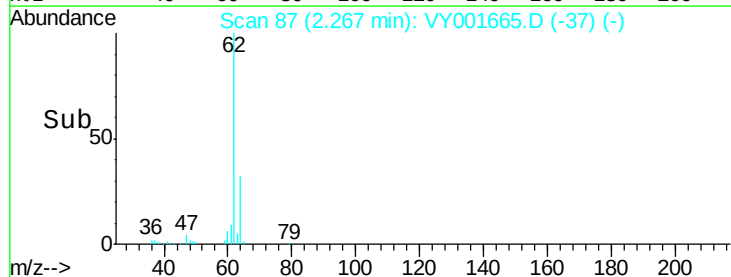
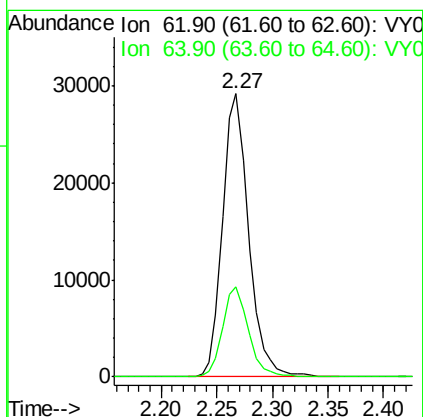
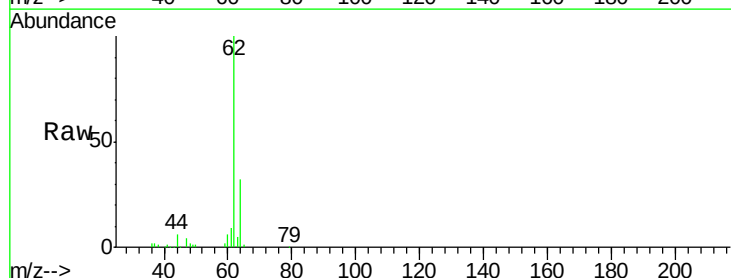
Acq: 18 Feb 2020 11:46

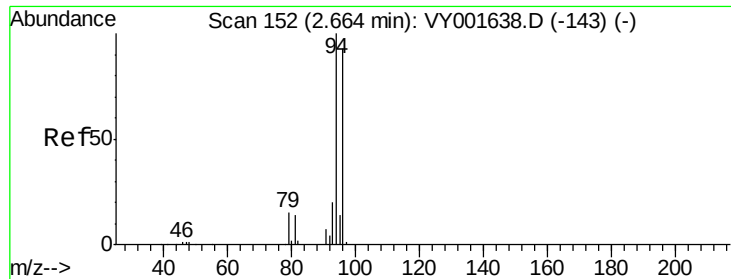
Tgt Ion: 62 Resp: 47501

Ion Ratio Lower Upper

62 100

64 31.8 24.9 37.3





#5

Bromomethane

Concen: 20.175 ug/l

RT: 2.66 min Scan# 152

Delta R.T. 0.00 min

Lab File: VY001665.D

Acq: 18 Feb 2020 11:46

Instrument :

MSVOA_Y

ClientSampleId :

VY0218SBS01

Tot Ion: 94 Resp: 31849

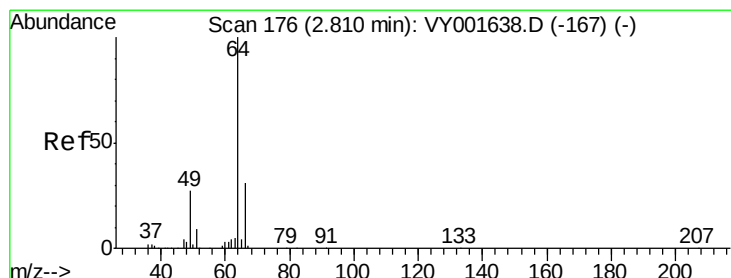
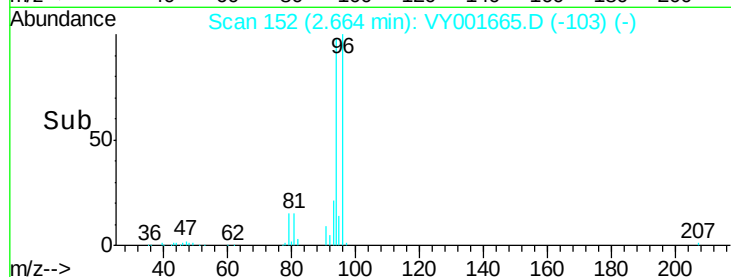
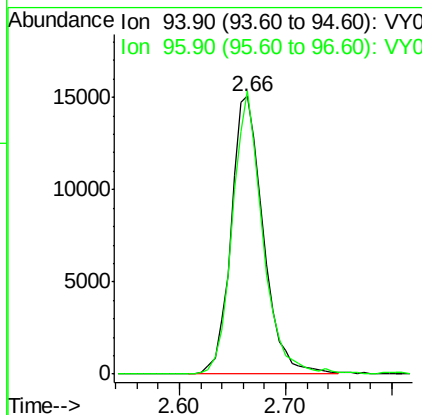
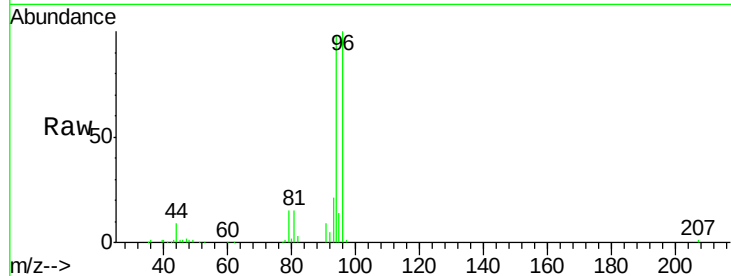
Ion Ratio Lower Upper

94 100

96 101.8 73.7 110.5

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#6

Chloroethane

Concen: 19.253 ug/l

RT: 2.81 min Scan# 176

Delta R.T. 0.00 min

Lab File: VY001665.D

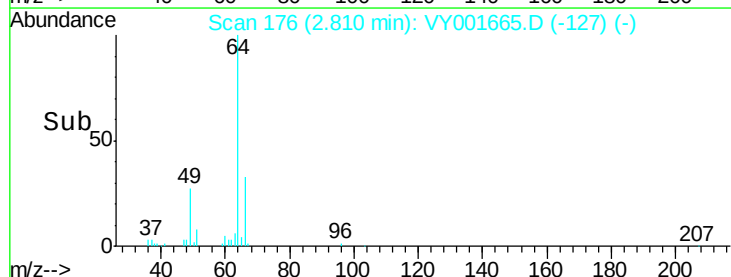
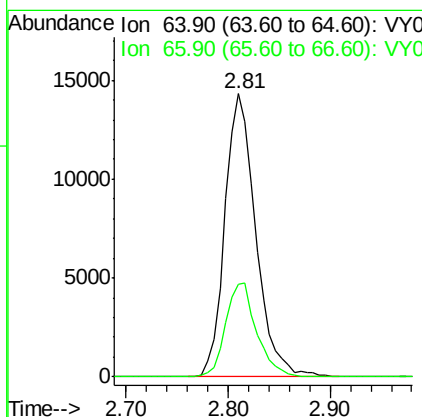
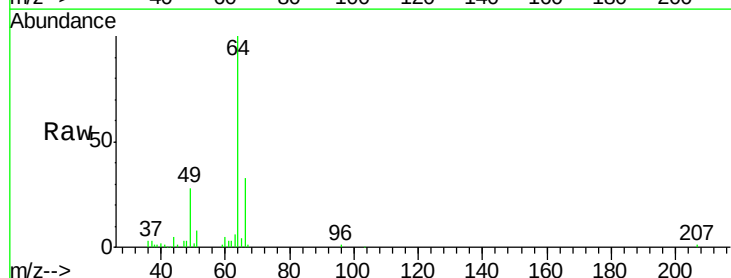
Acq: 18 Feb 2020 11:46

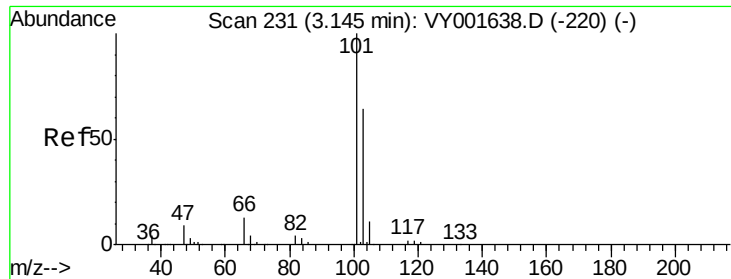
Tgt Ion: 64 Resp: 29968

Ion Ratio Lower Upper

64 100

66 32.8 25.5 38.3





#7

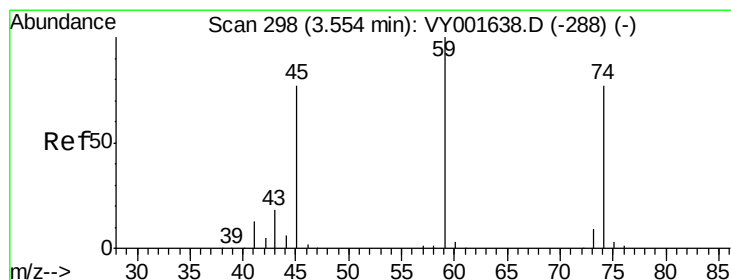
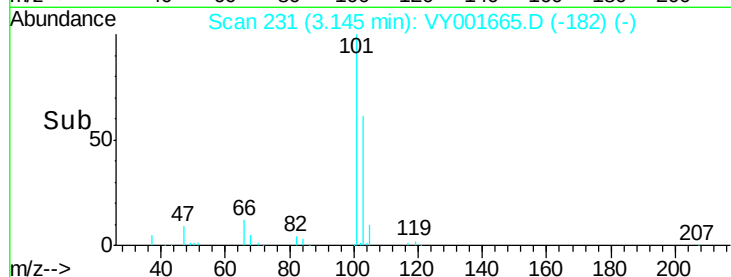
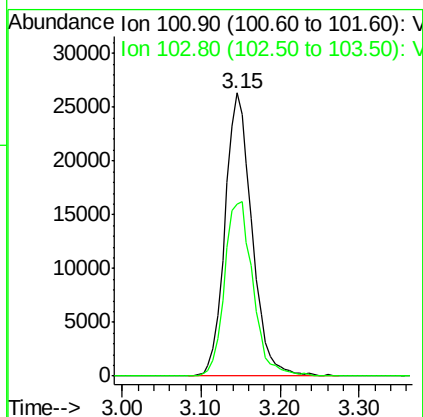
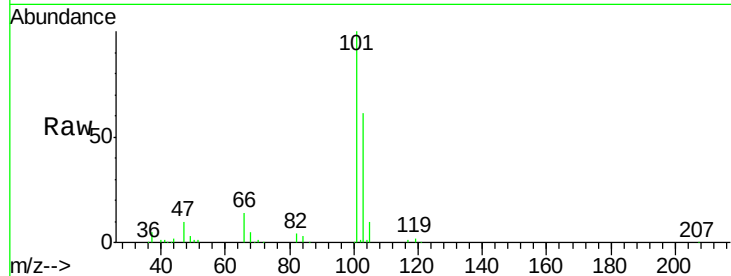
Trichlorofluoromethane
Concen: 19.361 ug/l
RT: 3.15 min Scan# 231
Delta R.T. -0.00 min
Lab File: VY001665.D
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ClientSampleId :
VY0218SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	60.8	52.2	78.2

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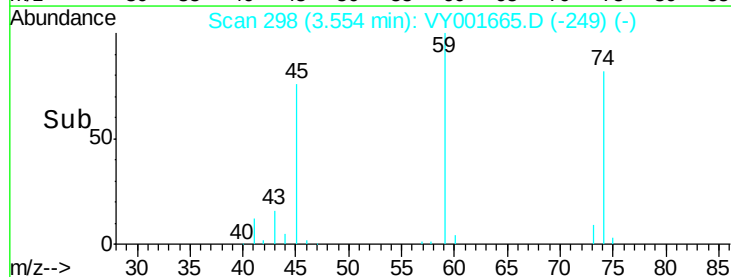
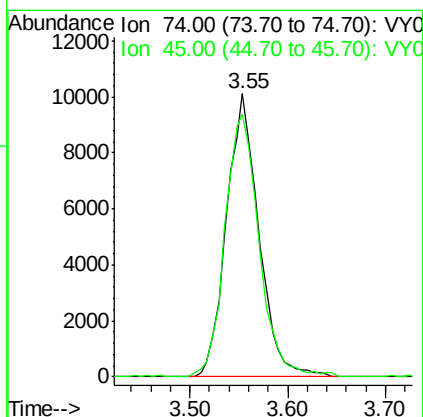
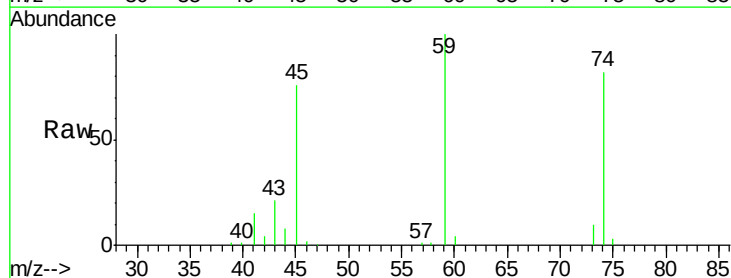
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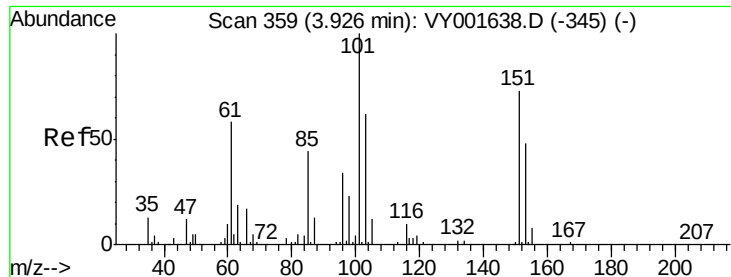


#8

Diethyl Ether
Concen: 18.221 ug/l
RT: 3.55 min Scan# 298
Delta R.T. 0.00 min
Lab File: VY001665.D
Acq: 18 Feb 2020 11:46

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.0	49.6	148.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.405 ug/l

RT: 3.93 min Scan# 360

Delta R.T. 0.01 min

Lab File: VY001665.D

Acq: 18 Feb 2020 11:46

Instrument :

MSVOA_Y

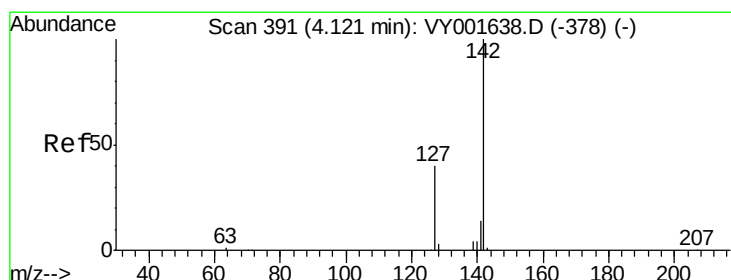
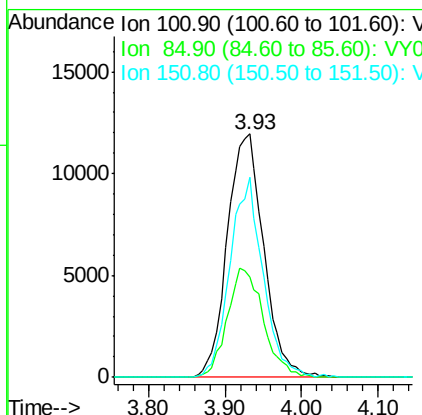
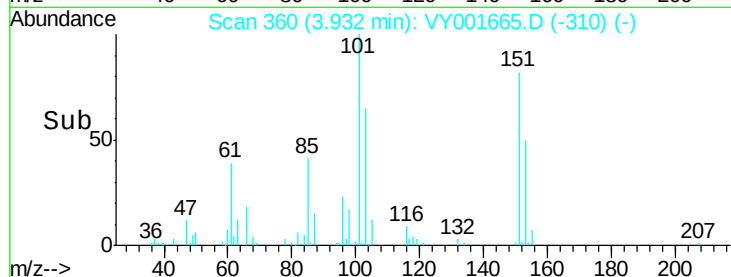
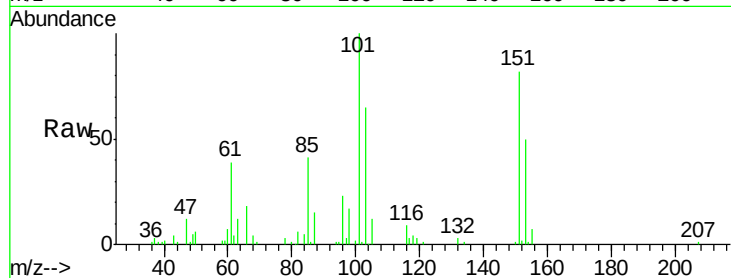
ClientSampleId :

VY0218SBS01

Tot Ion:	101	Resp:	39431
Ion Ratio	Lower	Upper	
101	100		
85	44.2	35.1	52.7
151	74.6	58.4	87.6

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#10

Methyl Iodide

Concen: 18.182 ug/l

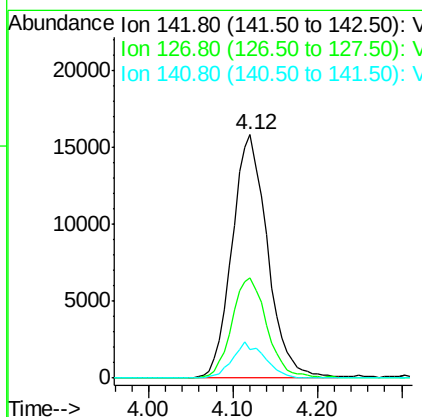
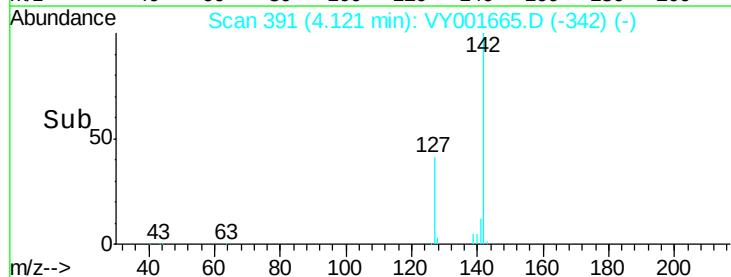
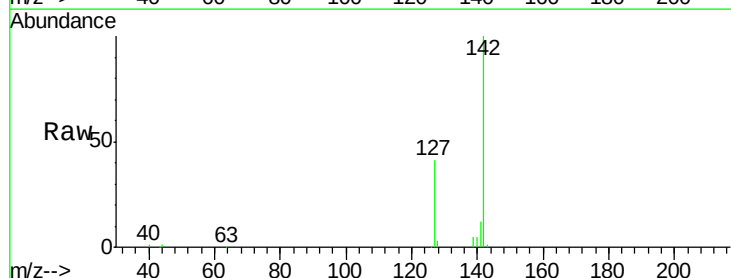
RT: 4.12 min Scan# 391

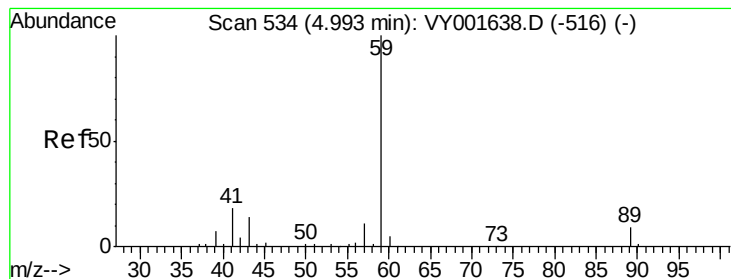
Delta R.T. -0.00 min

Lab File: VY001665.D

Acq: 18 Feb 2020 11:46

Tgt Ion:	142	Resp:	45215
Ion Ratio	Lower	Upper	
142	100		
127	40.7	32.1	48.1
141	13.4	11.3	16.9





#11

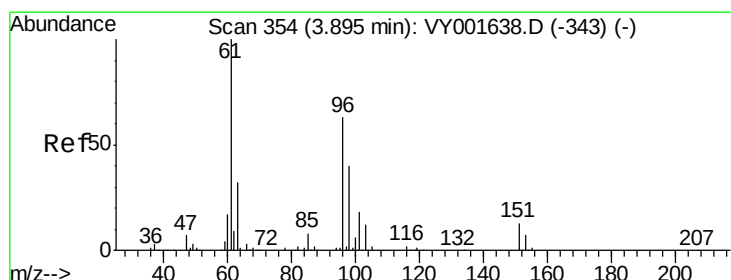
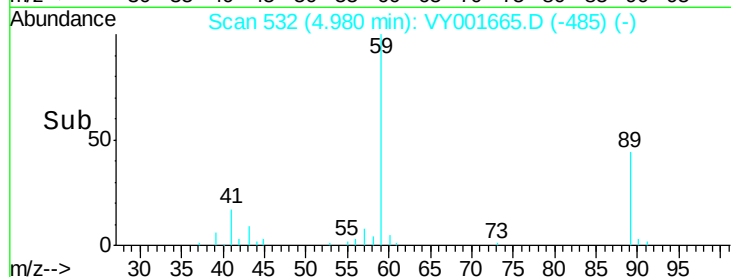
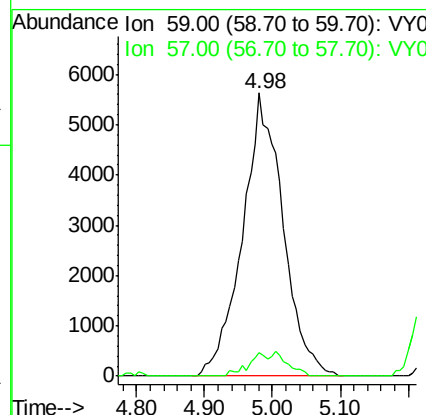
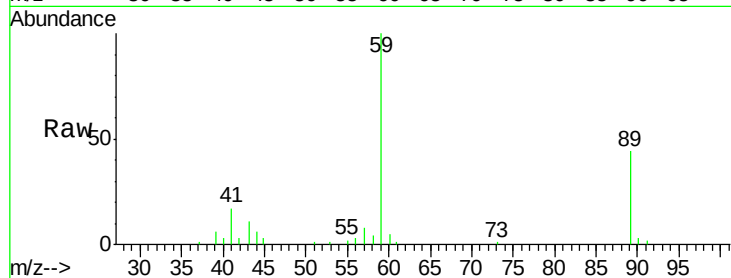
Tert butyl alcohol
 Concen: 80.957 ug/l
 RT: 4.98 min Scan# 532
 Delta R.T. -0.01 min
 Lab File: VY001665.D
 Acq: 18 Feb 2020 11:46

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0218SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	3.9	7.4	11.2#

Manual Integrations
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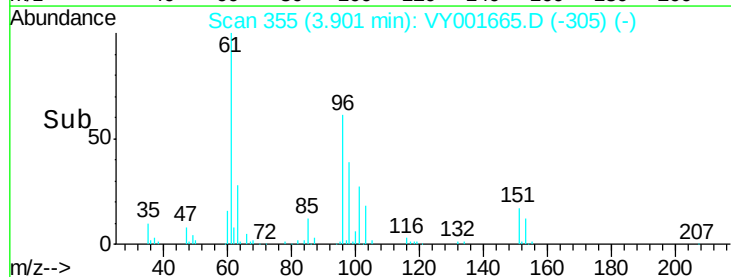
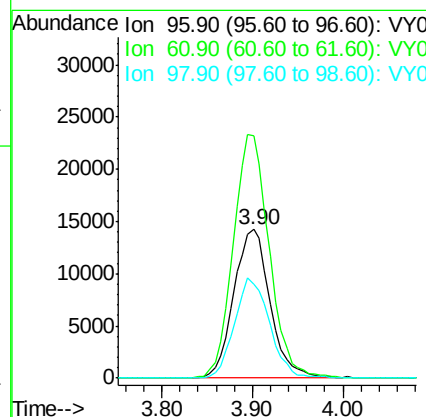
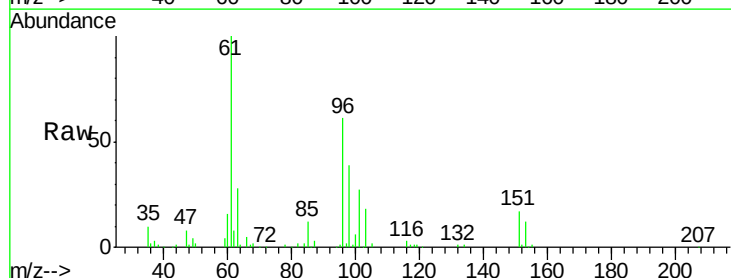
MMDadoda
 2/19/2020 1:42:52 PM

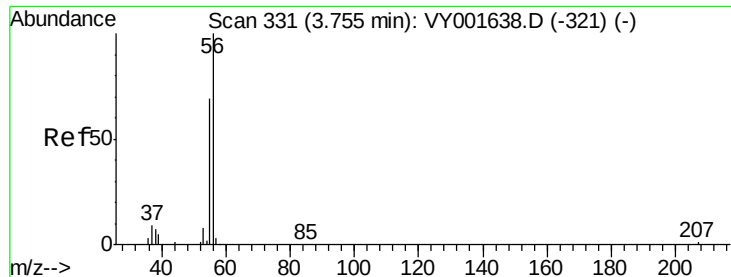


#12

1,1-Dichloroethene
 Concen: 19.068 ug/l
 RT: 3.90 min Scan# 355
 Delta R.T. 0.01 min
 Lab File: VY001665.D
 Acq: 18 Feb 2020 11:46

Tgt Ion	Ratio	Lower	Upper
96	100		
61	162.9	128.7	193.1
98	63.0	50.7	76.1





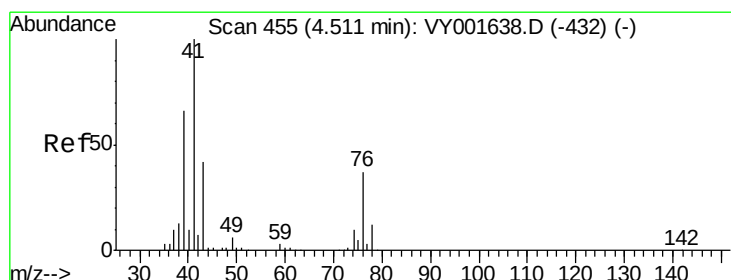
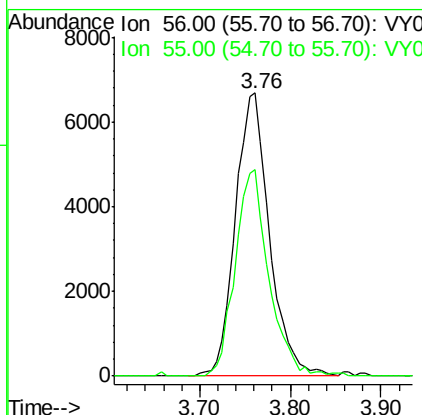
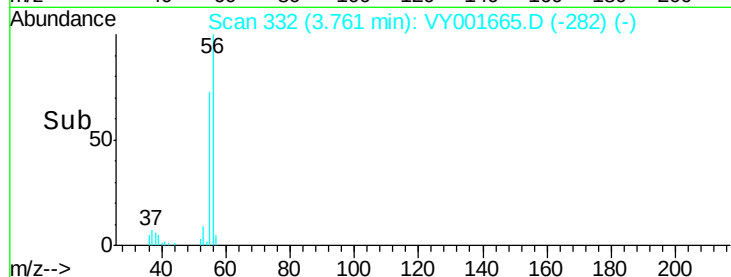
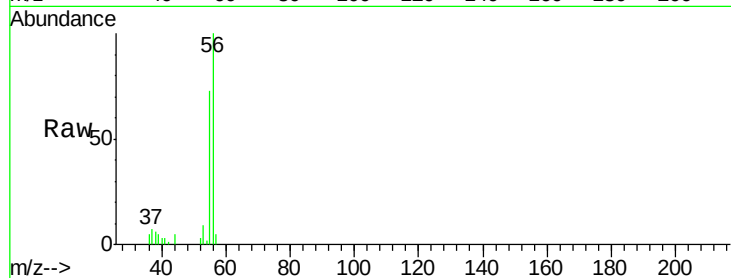
#13
Acrolein
Concen: 84.053 ug/l
RT: 3.76 min Scan# 332
Delta R.T. 0.01 min
Lab File: VY001665.D
Acq: 18 Feb 2020 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VY0218SBS01

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
55	72.2	56.1	84.1	

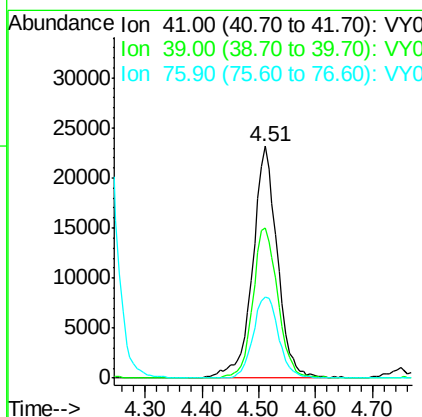
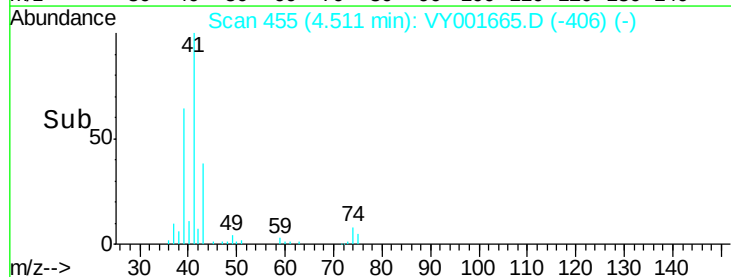
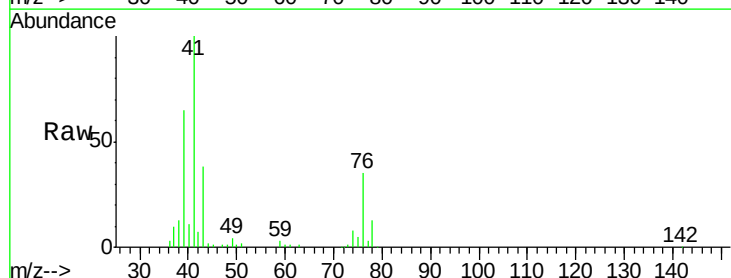
Manual Integrations
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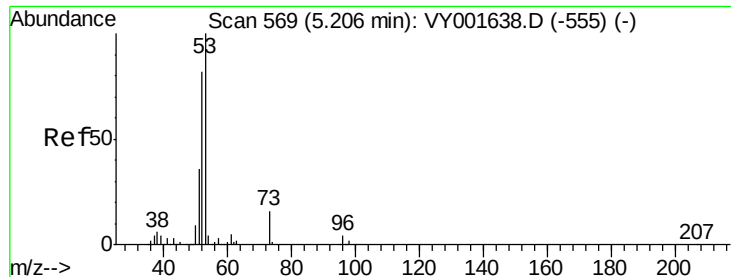
MMDadoda
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#14
Allyl chloride
Concen: 18.953 ug/l
RT: 4.51 min Scan# 455
Delta R.T. 0.00 min
Lab File: VY001665.D
Acq: 18 Feb 2020 11:46

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	65.2	49.4	74.0	
76	36.0	29.0	43.6	





#15

Acrylonitrile

Concen: 87.101 ug/l

RT: 5.20 min Scan# 568

Delta R.T. -0.01 min

Lab File: VY001665.D

Acq: 18 Feb 2020 11:46

Instrument :

MSVOA_Y

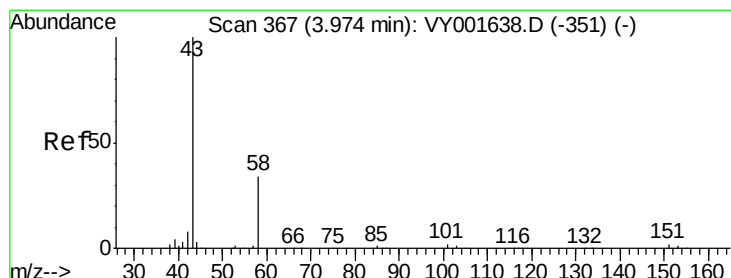
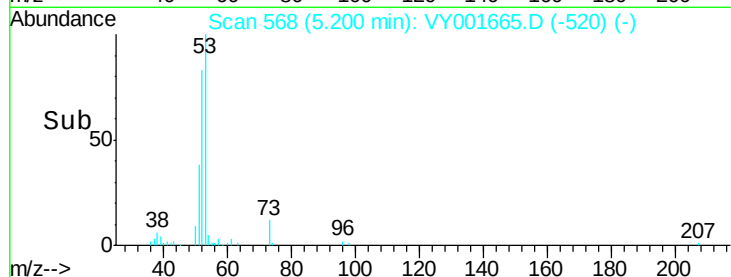
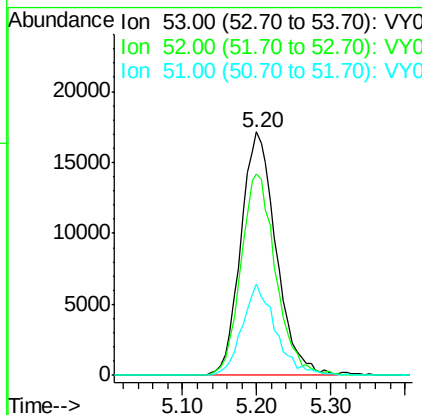
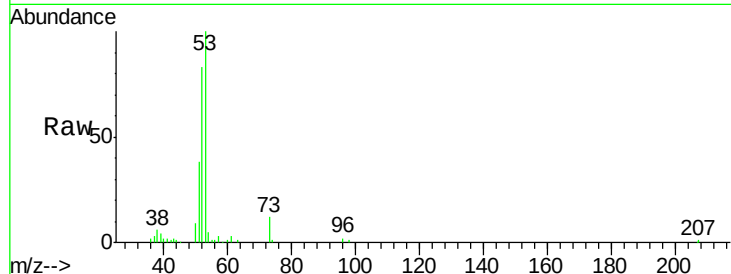
ClientSampleId :

VY0218SBS01

Tot Ion	53	Resp	56898
Ion	Ratio	Lower	Upper
53	100		
52	81.3	65.4	98.0
51	35.8	28.0	42.0

Manual Integrations
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#16

Acetone

Concen: 72.181 ug/l

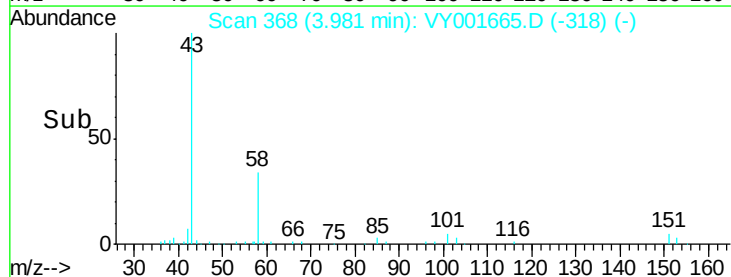
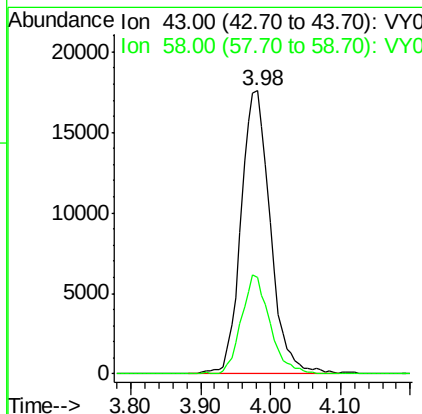
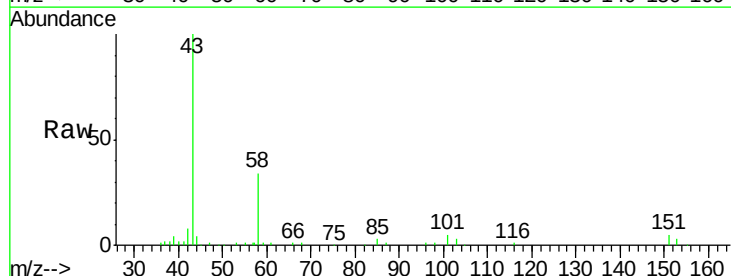
RT: 3.98 min Scan# 368

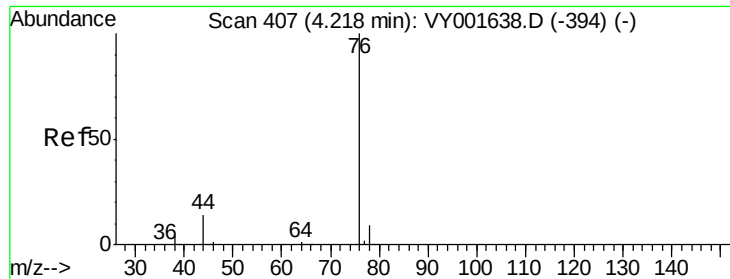
Delta R.T. 0.01 min

Lab File: VY001665.D

Acq: 18 Feb 2020 11:46

Tgt Ion	43	Resp	51313
Ion	Ratio	Lower	Upper
43	100		
58	34.2	27.3	40.9





#17

Carbon Disulfide

Concen: 18.967 ug/l

RT: 4.22 min Scan# 408

Delta R.T. 0.01 min

Lab File: VY001665.D

Acq: 18 Feb 2020 11:46

Instrument :

MSVOA_Y

ClientSampleId :

VY0218SBS01

Tot Ion: 76 Resp: 131232

Ion Ratio Lower Upper

76 100

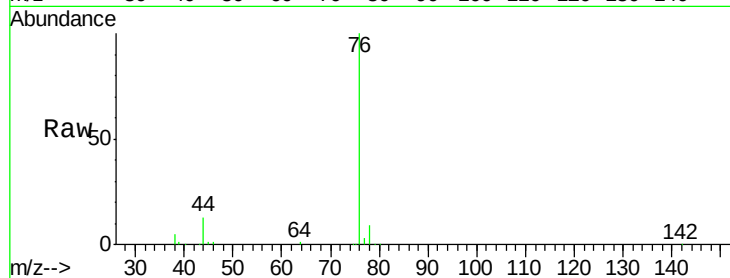
78 9.0 7.3 10.9

Manual Integrations

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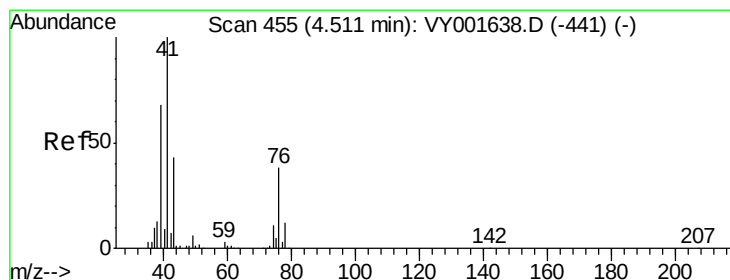
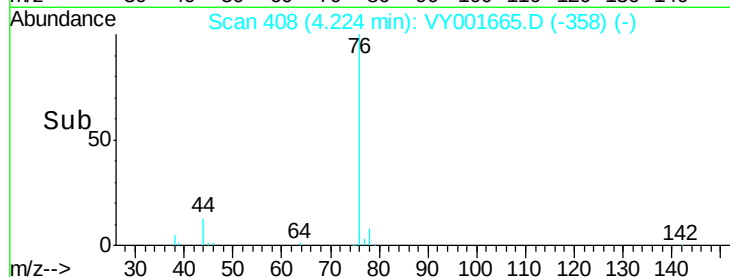
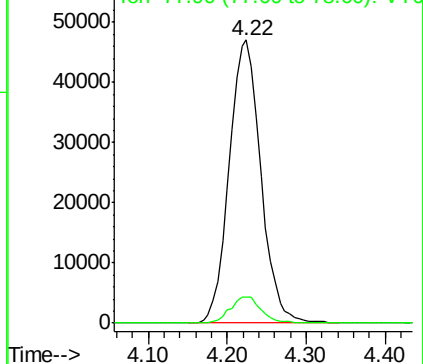
MMDadoda

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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: 17.572 ug/l

RT: 4.51 min Scan# 455

Delta R.T. 0.00 min

Lab File: VY001665.D

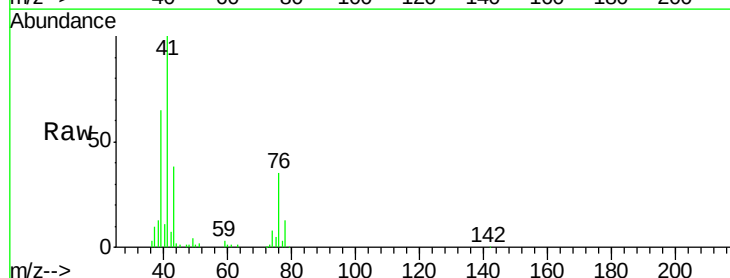
Acq: 18 Feb 2020 11:46

Tgt Ion: 43 Resp: 27204

Ion Ratio Lower Upper

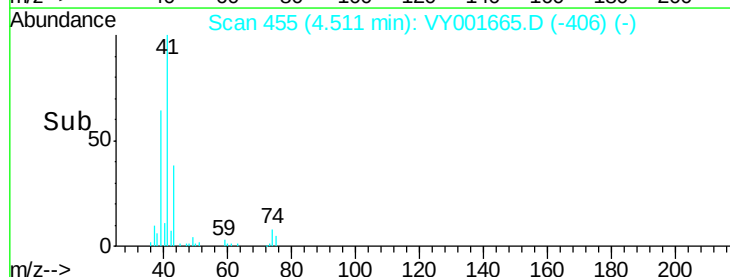
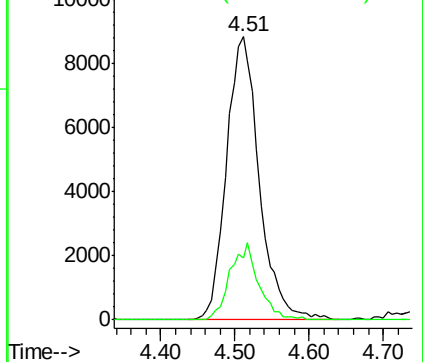
43 100

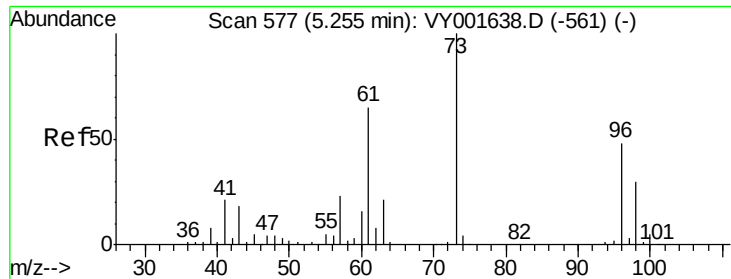
74 23.7 19.1 28.7



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0





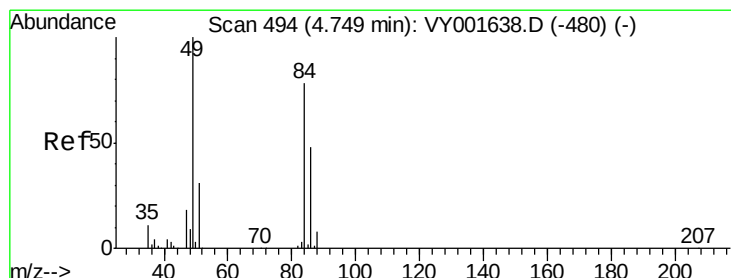
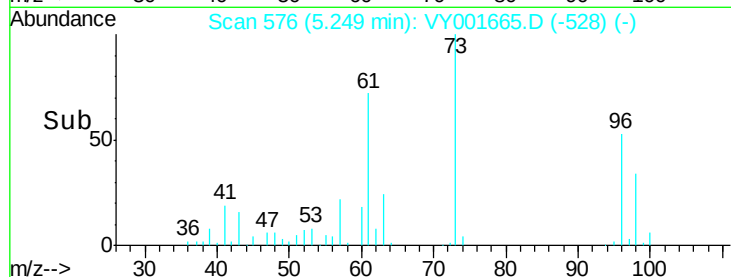
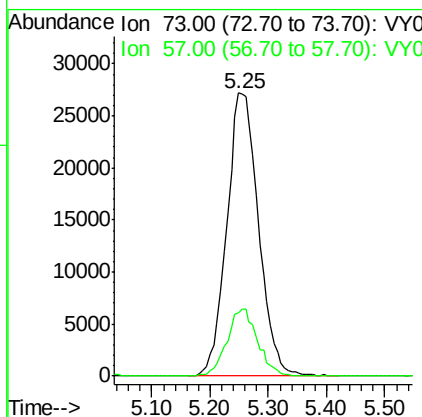
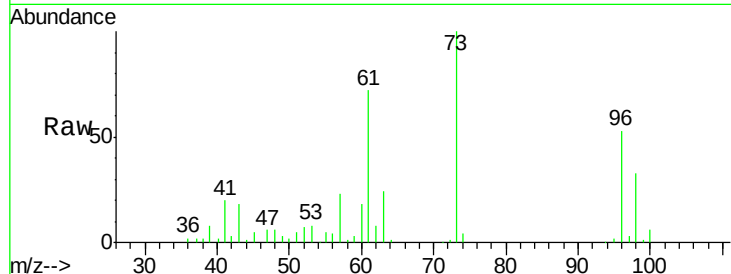
#19
Methyl tert-butyl Ether
Concen: 17.834 ug/l
RT: 5.25 min Scan# 576
Delta R.T. -0.01 min
Lab File: VY001665.D
Acq: 18 Feb 2020 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VY0218SBS01

Tot Ion: 73 Resp: 102906
Ion Ratio Lower Upper
73 100
57 22.5 19.0 28.6

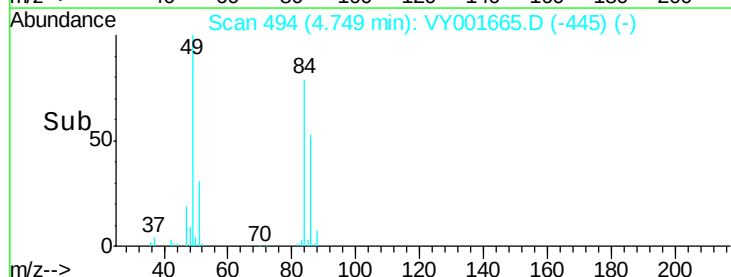
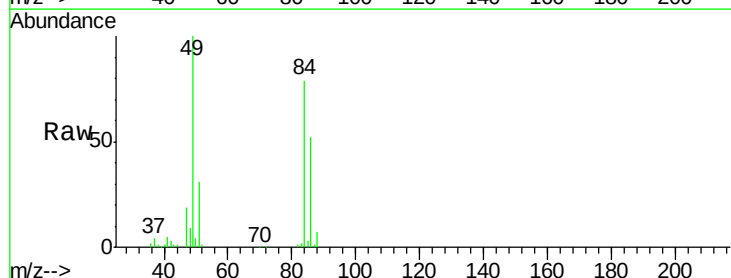
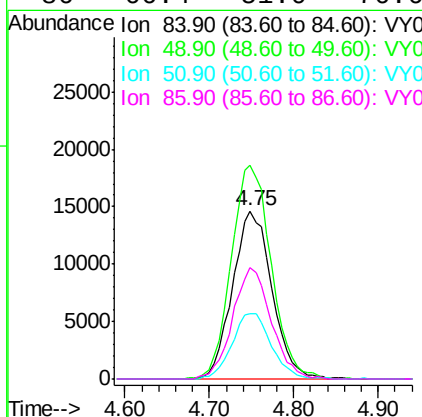
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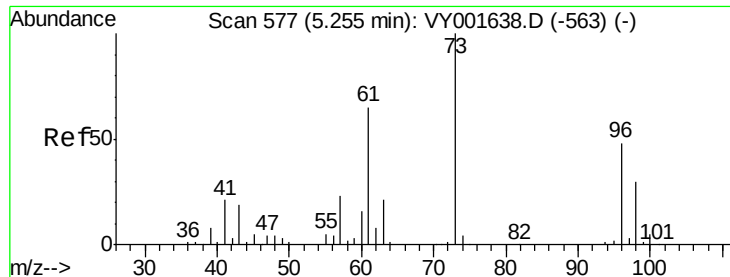
MMDadoda
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#20
Methylene Chloride
Concen: 18.338 ug/l
RT: 4.75 min Scan# 494
Delta R.T. -0.00 min
Lab File: VY001665.D
Acq: 18 Feb 2020 11:46

Tgt Ion: 84 Resp: 46306
Ion Ratio Lower Upper
84 100
49 126.9 99.2 148.8
51 38.9 31.5 47.3
86 66.4 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 19.358 ug/l

RT: 5.25 min Scan# 577

Delta R.T. 0.00 min

Lab File: VY001665.D

Acq: 18 Feb 2020 11:46

Instrument :

MSVOA_Y

ClientSampleId :

VY0218SBS01

Tot Ion: 96 Resp: 45772

Ion Ratio Lower Upper

96 100

61 126.8 107.9 161.9

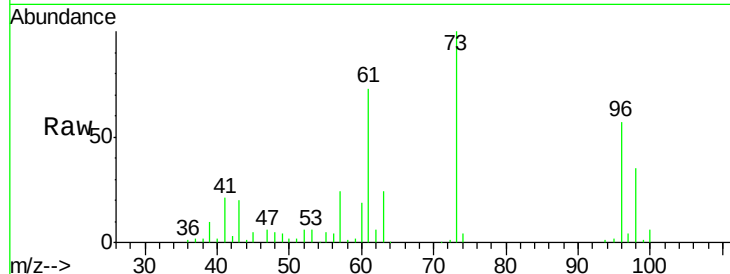
98 61.9 49.8 74.8

Manual Integrations

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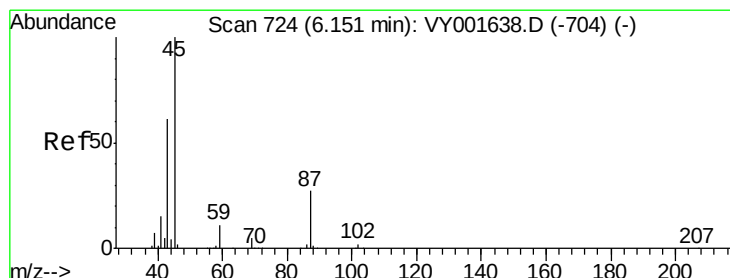
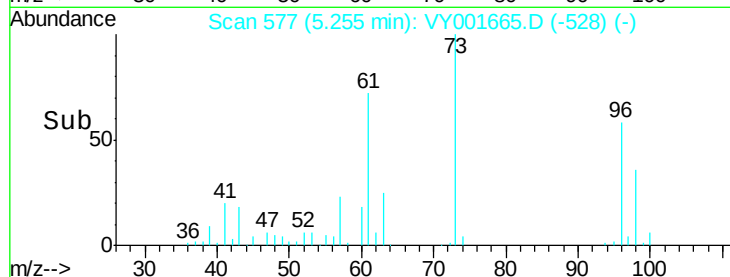
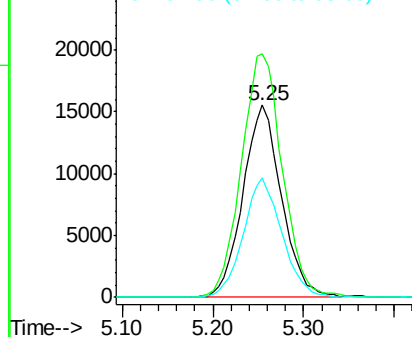


Abundance

Ion 95.90 (95.60 to 96.60): VY0

Ion 60.90 (60.60 to 61.60): VY0

Ion 97.90 (97.60 to 98.60): VY0



#22

Diisopropyl ether

Concen: 18.808 ug/l

RT: 6.14 min Scan# 723

Delta R.T. -0.01 min

Lab File: VY001665.D

Acq: 18 Feb 2020 11:46

Tgt Ion: 45 Resp: 142463

Ion Ratio Lower Upper

45 100

43 65.0 46.4 69.6

87 25.9 22.1 33.1

59 10.1 9.4 14.0

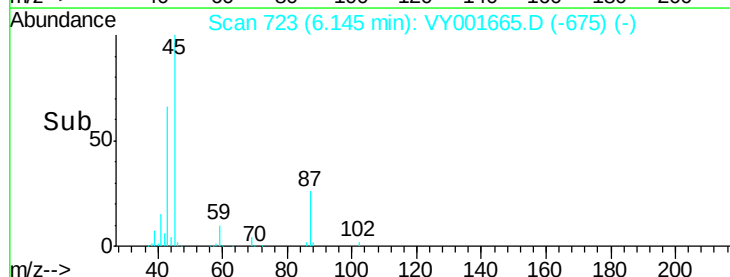
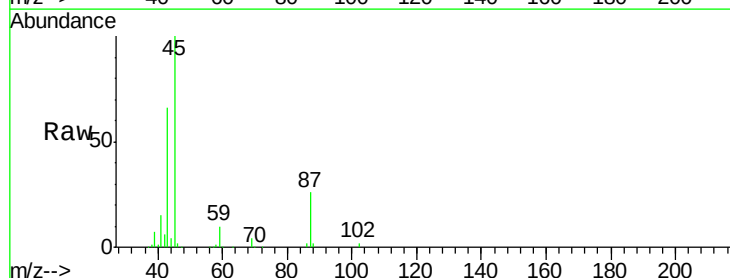
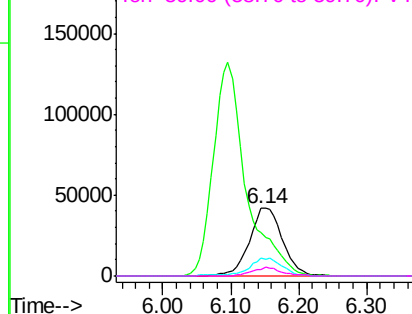
Abundance

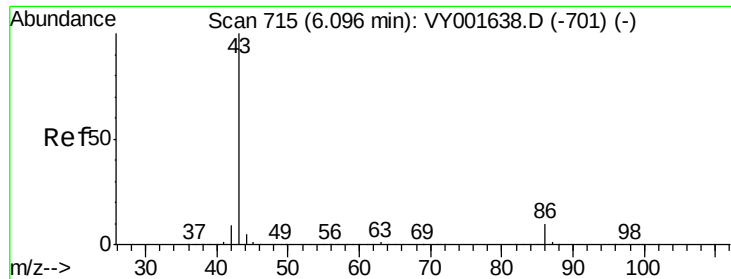
Ion 45.00 (44.70 to 45.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 87.00 (86.70 to 87.70): VY0

Ion 59.00 (58.70 to 59.70): VY0





#23

Vinyl Acetate

Concen: 89.756 ug/l

RT: 6.10 min Scan# 715

Delta R.T. 0.00 min

Lab File: VY001665.D

Acq: 18 Feb 2020 11:46

Instrument :

MSVOA_Y

ClientSampleId :

VY0218SBS01

Tot Ion: 43 Resp: 443466

Ion Ratio Lower Upper

43 100

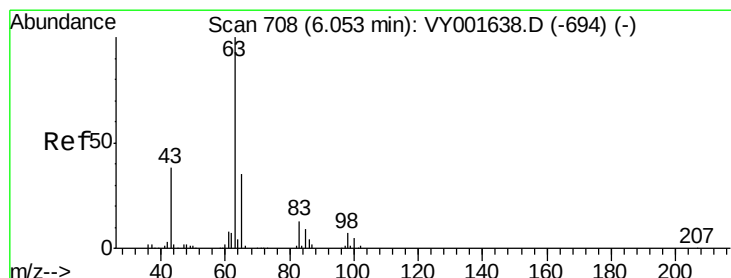
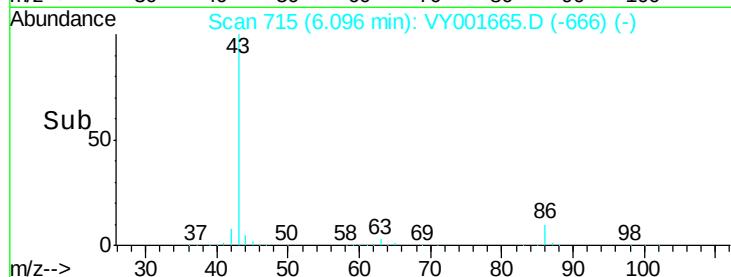
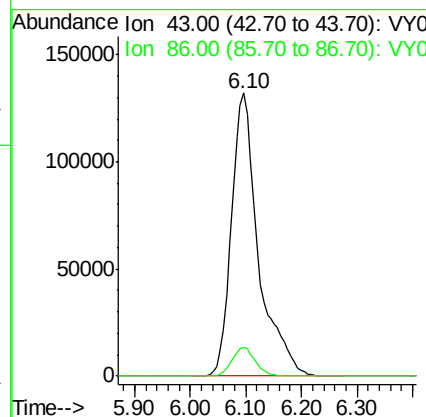
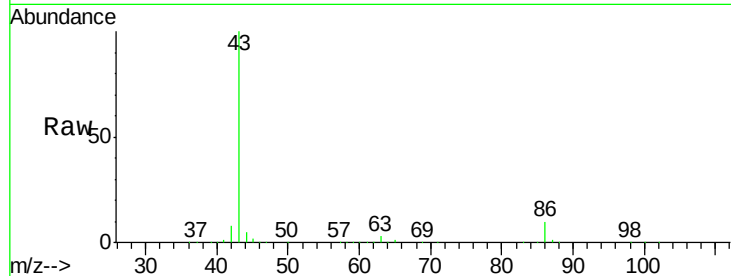
86 10.3 8.8 13.2

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 19.012 ug/l

RT: 6.05 min Scan# 708

Delta R.T. 0.00 min

Lab File: VY001665.D

Acq: 18 Feb 2020 11:46

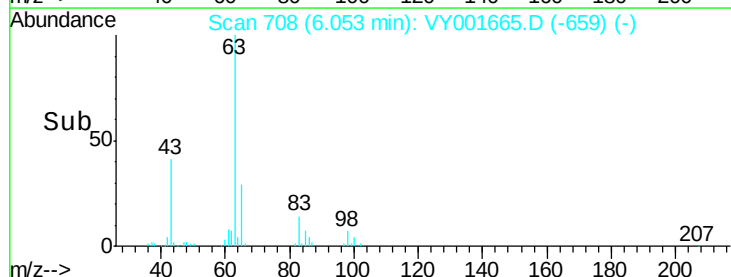
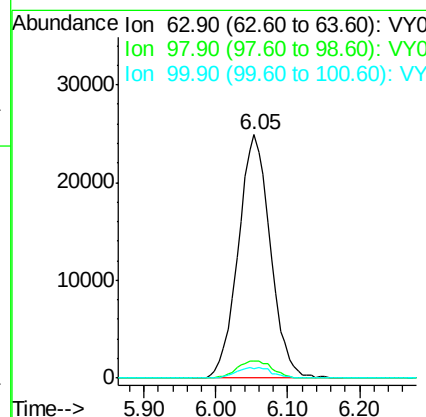
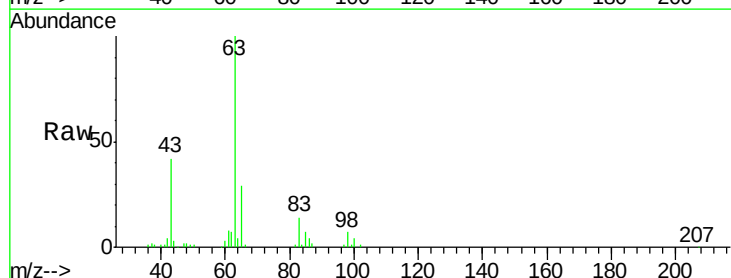
Tgt Ion: 63 Resp: 76966

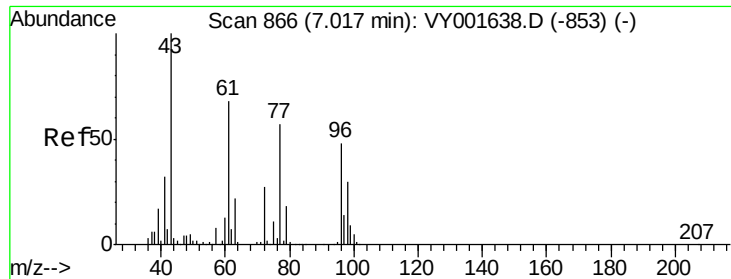
Ion Ratio Lower Upper

63 100

98 7.2 3.4 10.2

100 3.9 2.3 6.9





#25

2-Butanone

Concen: 79.989 ug/l

RT: 7.02 min Scan# 866

Delta R.T. 0.00 min

Lab File: VY001665.D

Acq: 18 Feb 2020 11:46

Instrument :

MSVOA_Y

ClientSampleId :

VY0218SBS01

Tot Ion: 43 Resp: 77247

Ion Ratio Lower Upper

43 100

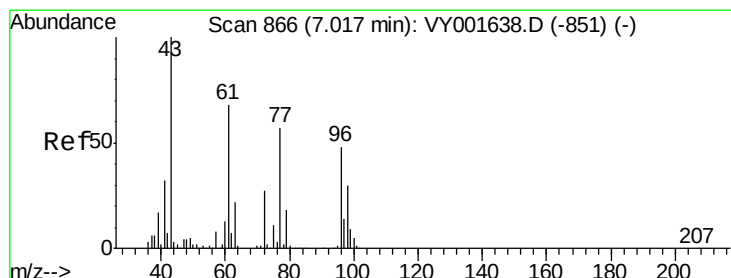
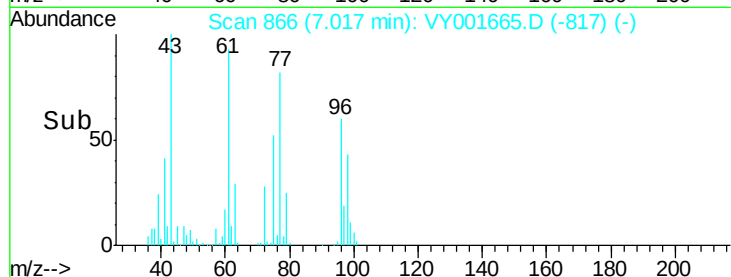
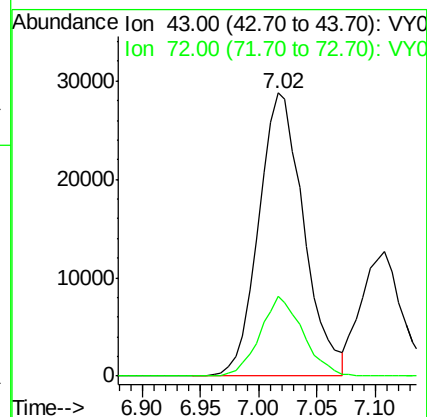
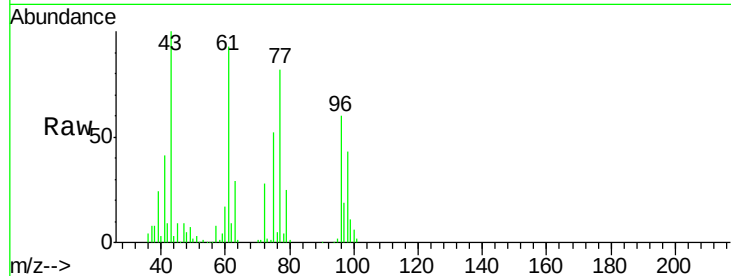
72 28.2 21.2 31.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 19.357 ug/l

RT: 7.02 min Scan# 866

Delta R.T. 0.00 min

Lab File: VY001665.D

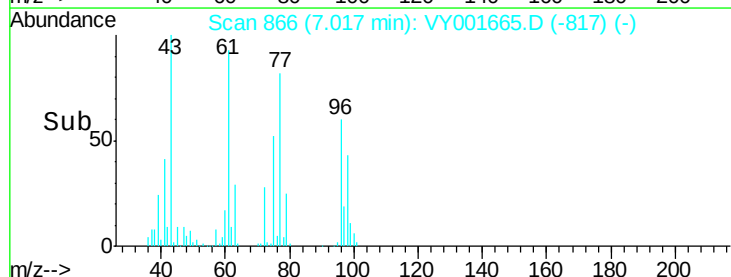
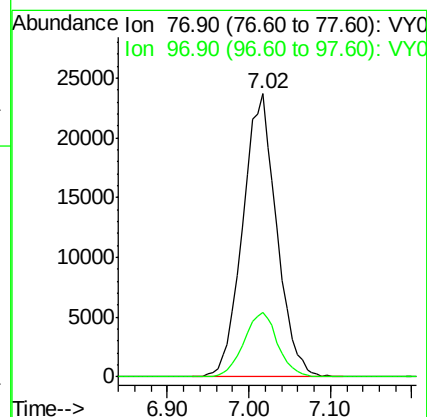
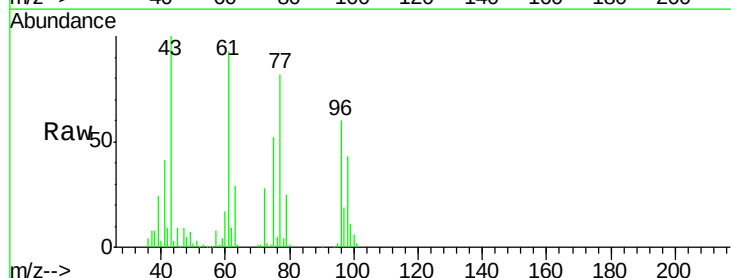
Acq: 18 Feb 2020 11:46

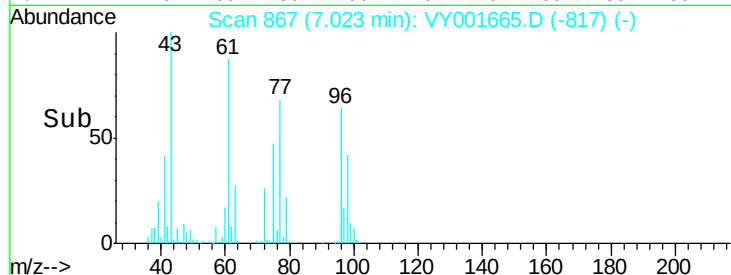
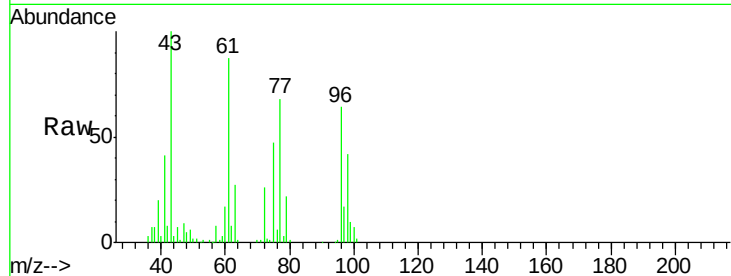
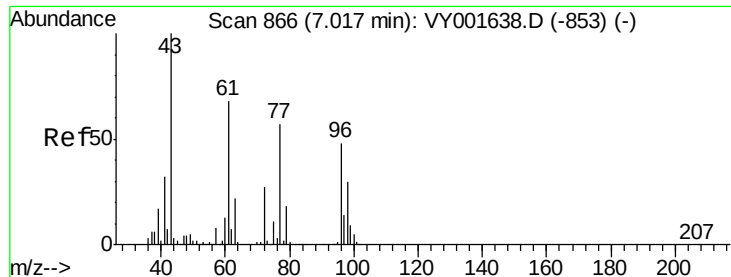
Tgt Ion: 77 Resp: 68179

Ion Ratio Lower Upper

77 100

97 22.7 11.8 35.4





#27

cis-1,2-Dichloroethene

Concen: 18.869 ug/l

RT: 7.02 min Scan# 867

Delta R.T. 0.01 min

Lab File: VY001665.D

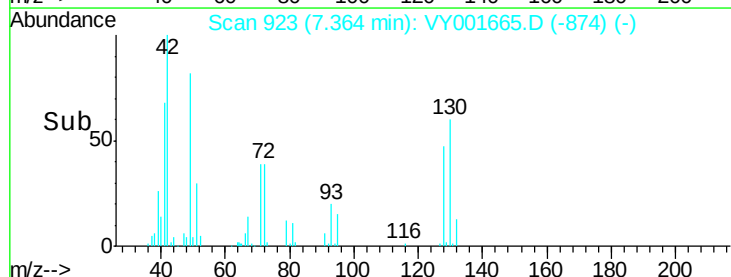
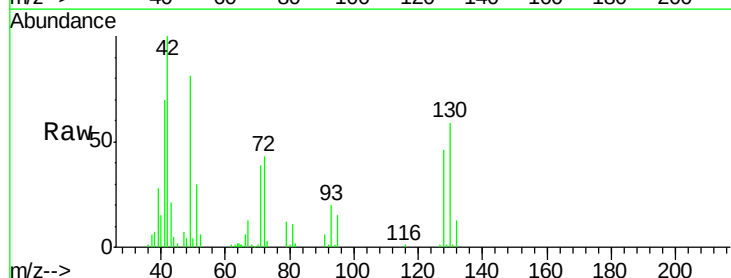
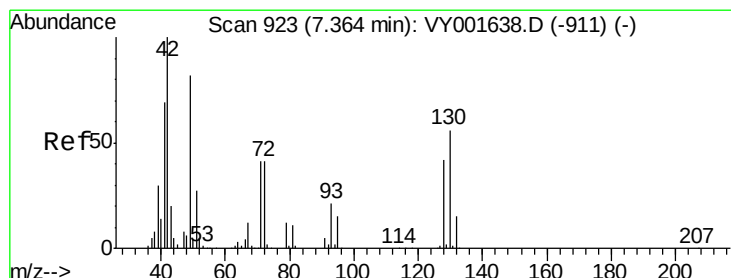
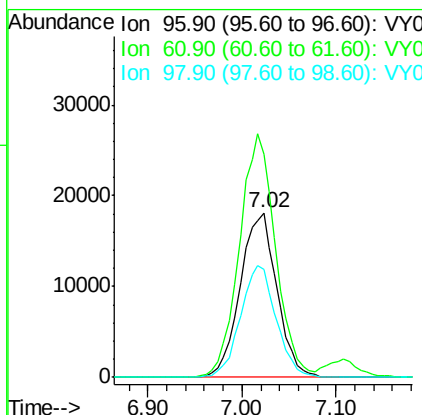
Acq: 18 Feb 2020 11:46

Tot Ion:	96	Resp:	49247
Ion	Ratio	Lower	Upper
96	100		
61	145.8	0.0	290.8
98	66.2	0.0	128.6

Instrument :
MSVOA_Y
ClientSampleId :
VY0218SBS01

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#28

Bromochloromethane

Concen: 17.040 ug/l

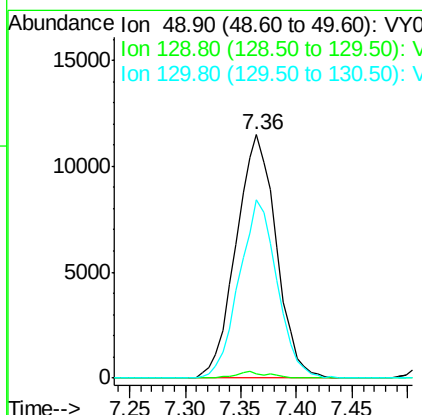
RT: 7.36 min Scan# 923

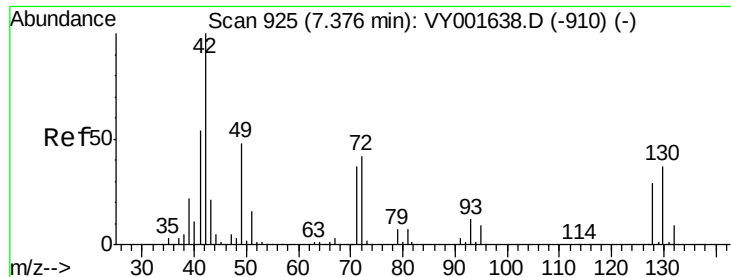
Delta R.T. -0.00 min

Lab File: VY001665.D

Acq: 18 Feb 2020 11:46

Tgt Ion:	49	Resp:	28736
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	3.6
130	69.5	56.2	84.4





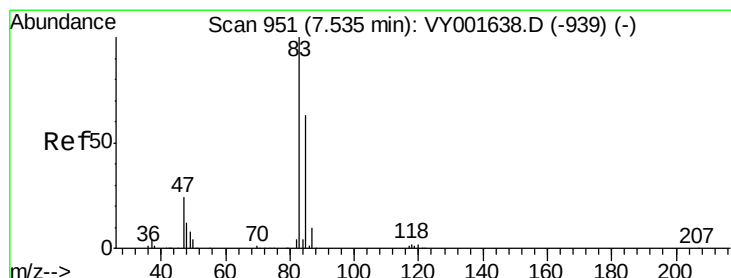
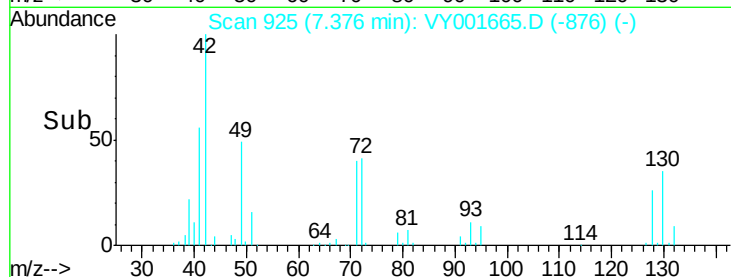
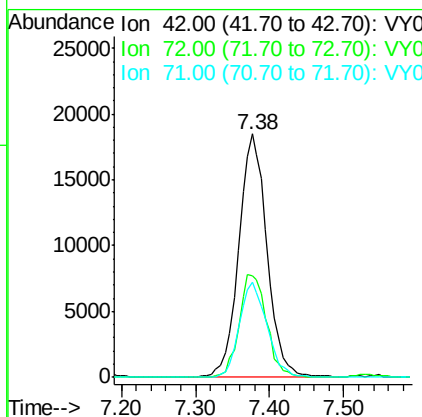
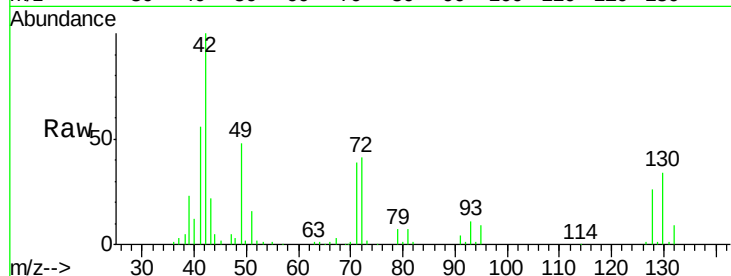
#29
Tetrahydrofuran
Concen: 84.312 ug/l
RT: 7.38 min Scan# 925
Delta R.T. 0.00 min
Lab File: VY001665.D
Acq: 18 Feb 2020 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VY0218SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.1	34.4	51.6
71	38.0	31.8	47.8

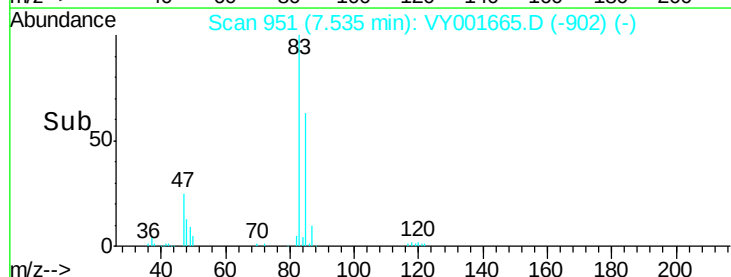
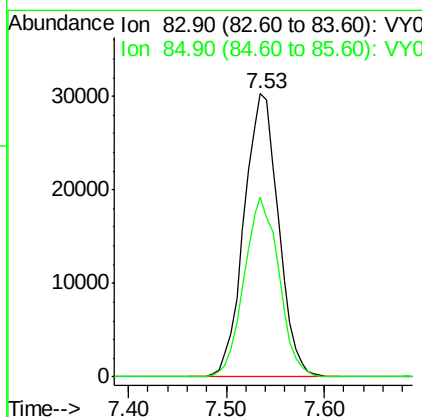
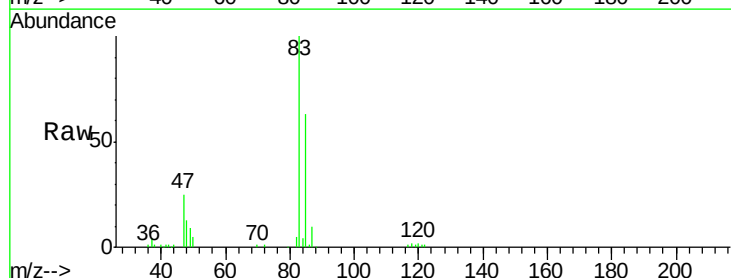
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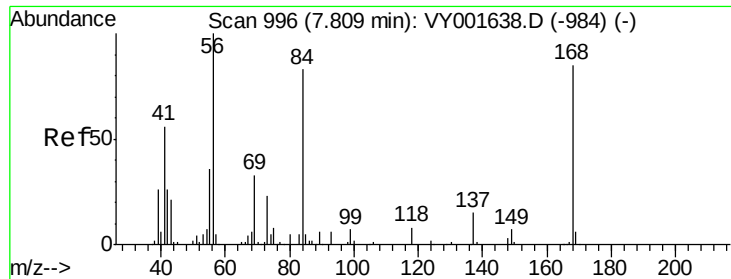
MMDadoda
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#30
Chloroform
Concen: 18.739 ug/l
RT: 7.53 min Scan# 951
Delta R.T. 0.00 min
Lab File: VY001665.D
Acq: 18 Feb 2020 11:46

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.3	51.6	77.4





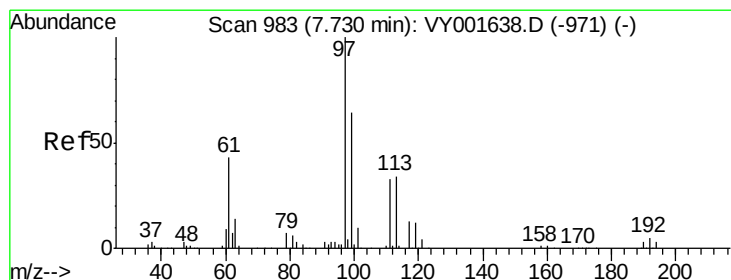
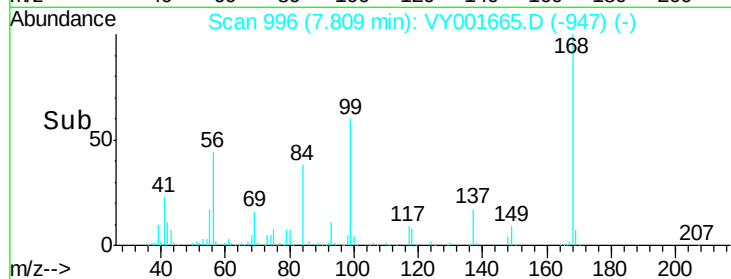
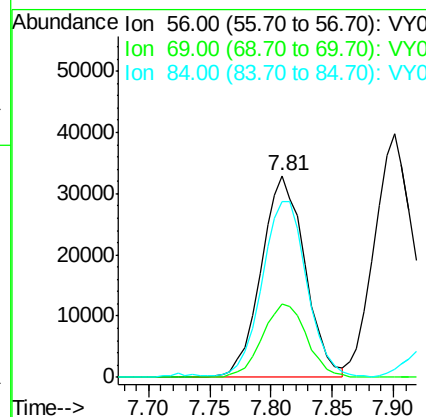
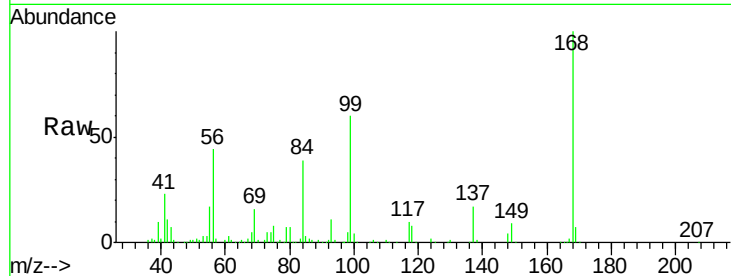
#31
Cyclohexane
Concen: 18.963 ug/l
RT: 7.81 min Scan# 996
Delta R.T. 0.00 min
Lab File: VY001665.D
Acq: 18 Feb 2020 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VY0218SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.7	25.1	37.7
84	86.2	66.9	100.3

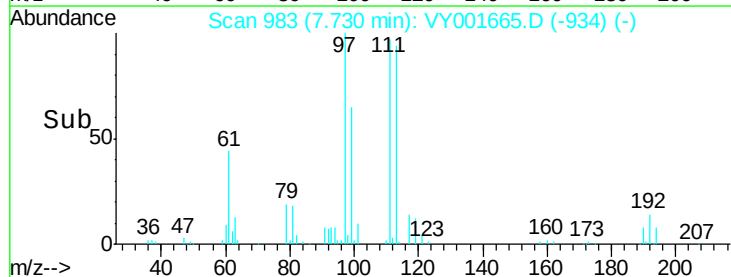
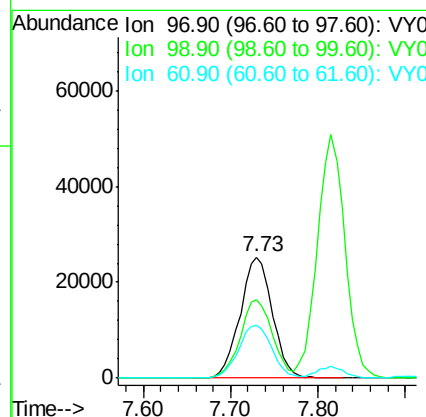
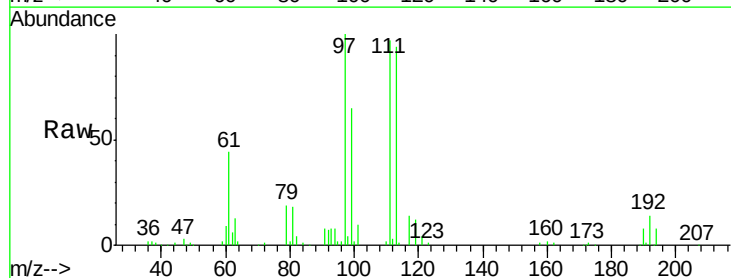
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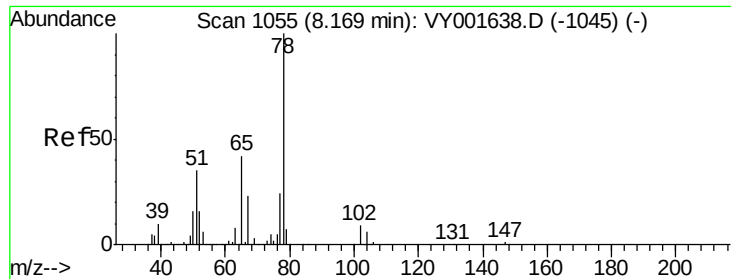
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 19.362 ug/l
RT: 7.73 min Scan# 983
Delta R.T. 0.00 min
Lab File: VY001665.D
Acq: 18 Feb 2020 11:46

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.3	51.2	76.8
61	45.6	35.0	52.6





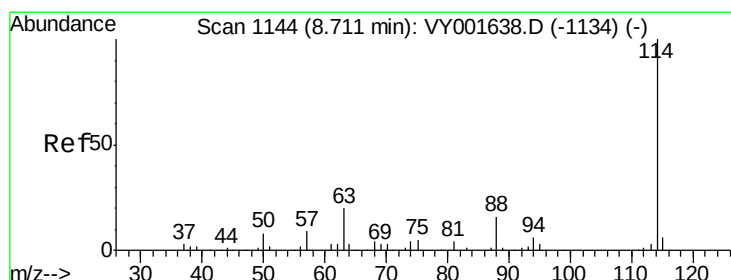
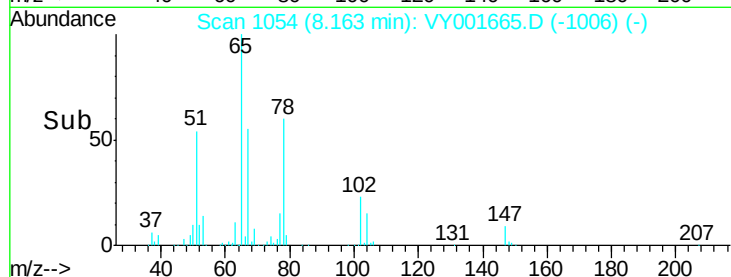
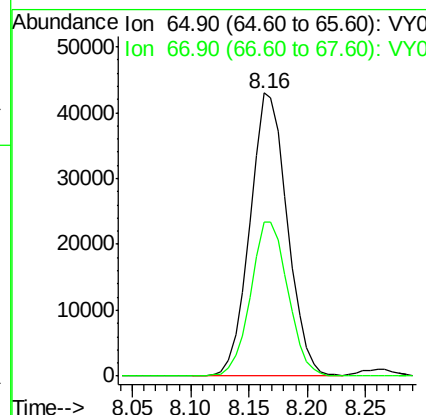
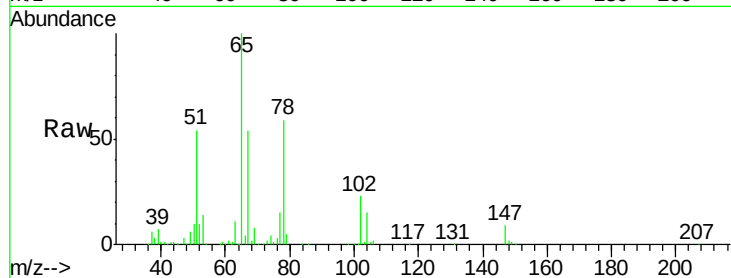
#33
 1,2-Dichloroethane-d4
 Concen: 46.669 ug/l
 RT: 8.16 min Scan# 1054
 Delta R.T. -0.01 min
 Lab File: VY001665.D
 Acq: 18 Feb 2020 11:46

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0218SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.3	0.0	111.0	

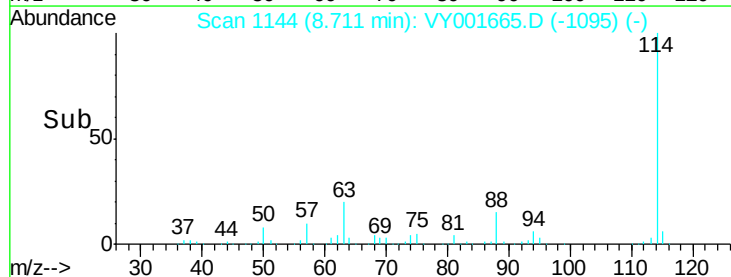
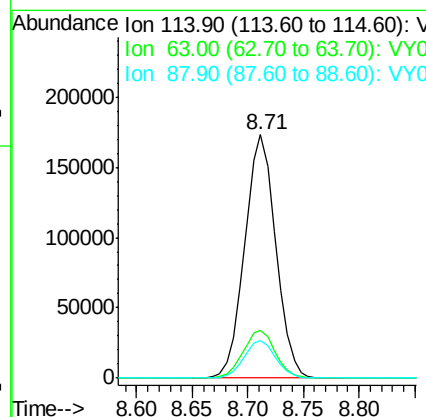
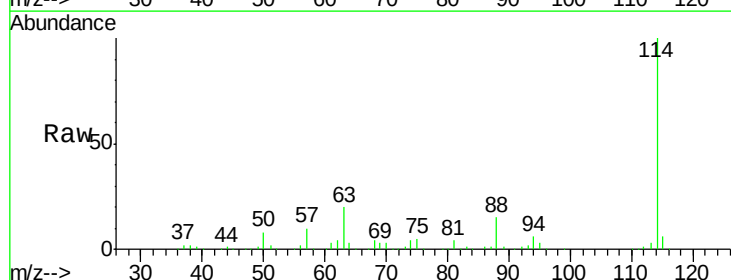
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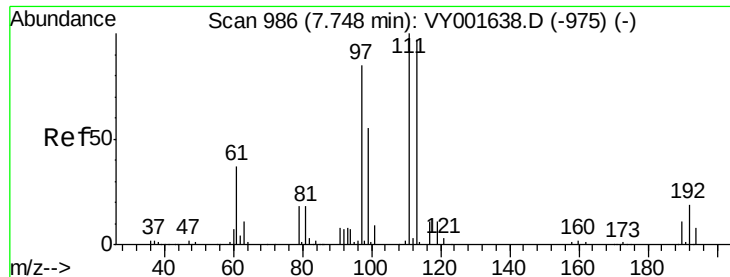
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1144
 Delta R.T. 0.00 min
 Lab File: VY001665.D
 Acq: 18 Feb 2020 11:46

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.5	0.0	41.4	
88	15.4	0.0	32.8	





#35

Dibromofluoromethane

Concen: 47.317 ug/l

RT: 7.75 min Scan# 986

Delta R.T. 0.00 min

Lab File: VY001665.D

Acq: 18 Feb 2020 11:46

Instrument :

MSVOA_Y

ClientSampleId :

VY0218SBS01

Tot Ion:113 Resp: 90838

Ion Ratio Lower Upper

113 100

111 103.2 81.9 122.9

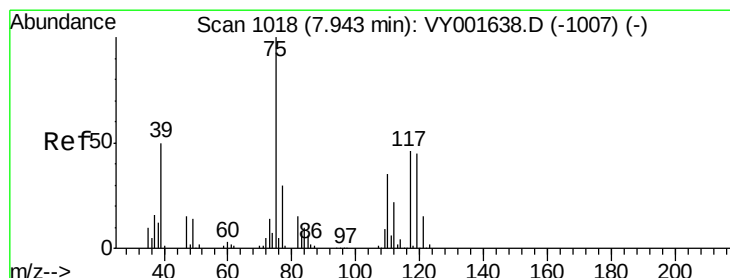
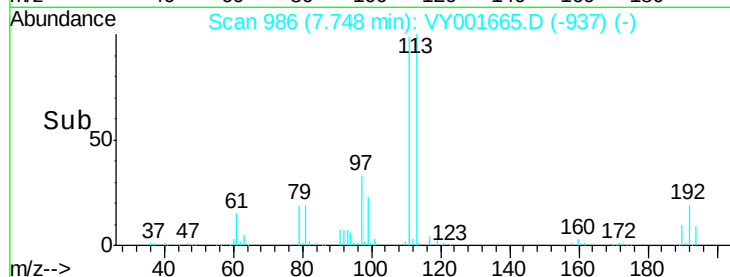
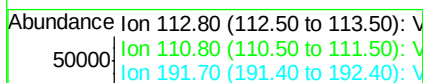
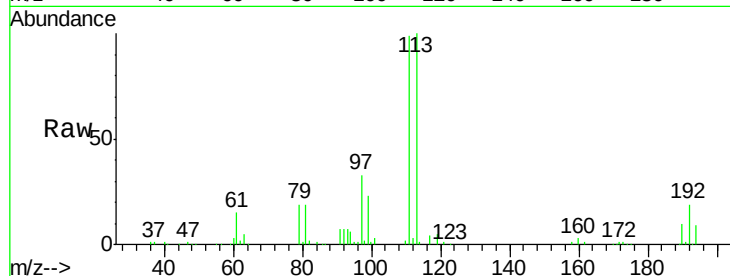
192 18.6 14.3 21.5

Manual Integrations

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#36

1,1-Dichloropropene

Concen: 19.701 ug/l

RT: 7.94 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VY001665.D

Acq: 18 Feb 2020 11:46

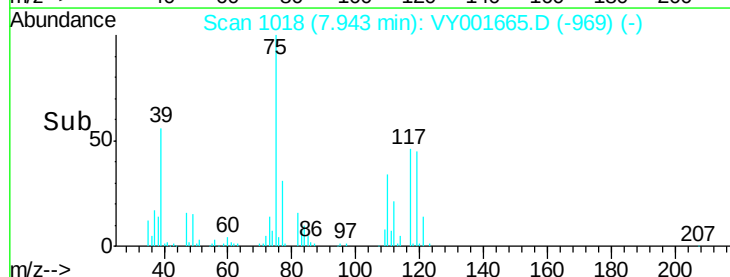
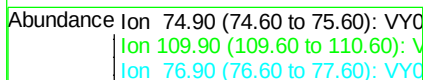
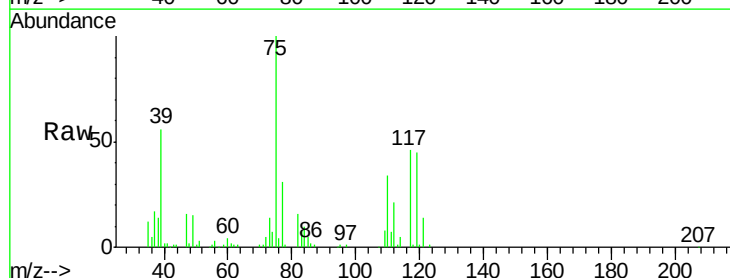
Tgt Ion: 75 Resp: 63074

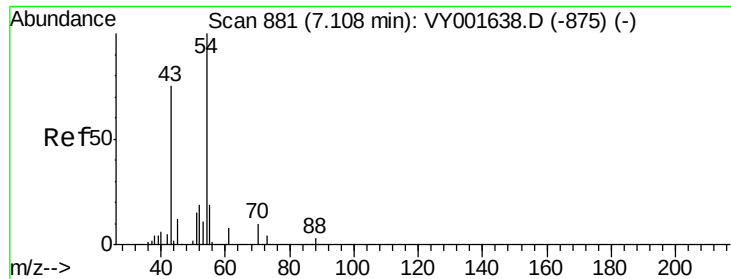
Ion Ratio Lower Upper

75 100

110 35.3 17.2 51.6

77 31.1 24.8 37.2





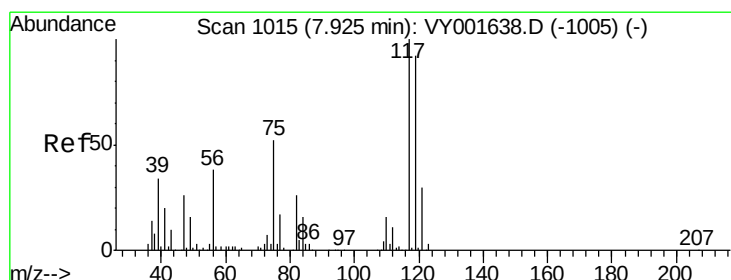
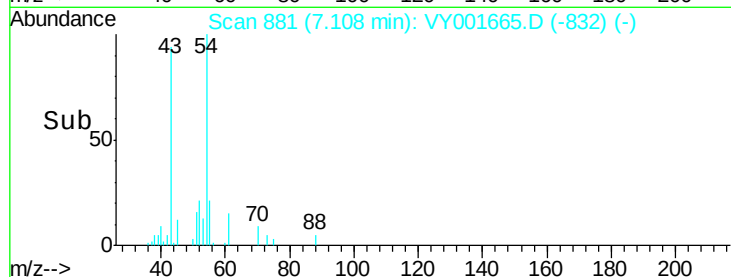
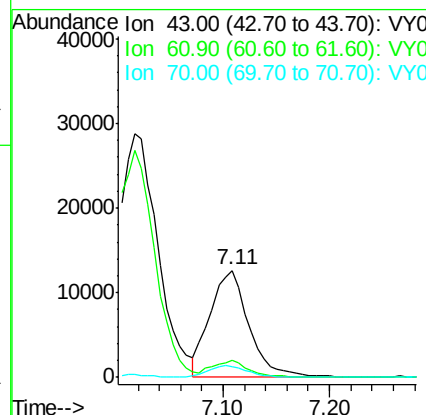
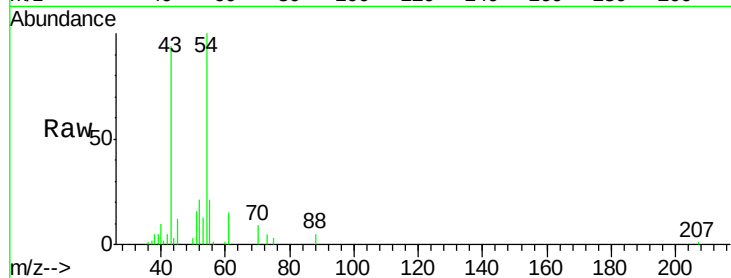
#37
Ethyl Acetate
Concen: 16.766 ug/l
RT: 7.11 min Scan# 881
Delta R.T. -0.00 min
Lab File: VY001665.D
Acq: 18 Feb 2020 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VY0218SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.0	16.6
70	11.2	8.8	13.2

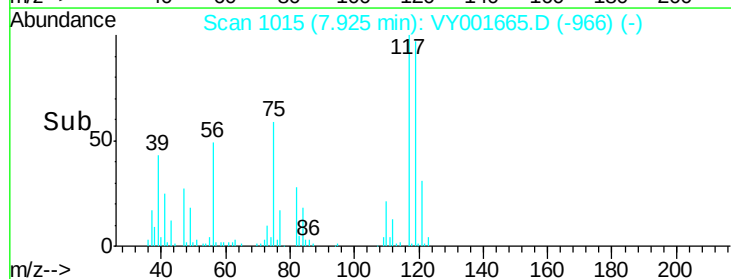
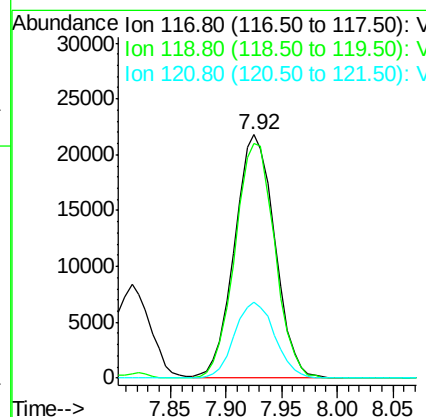
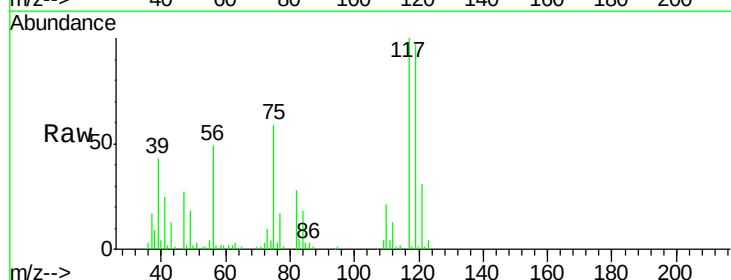
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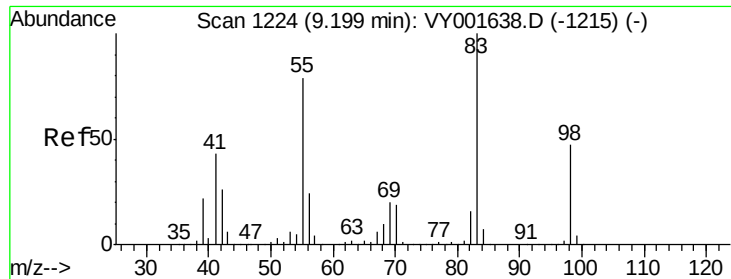
MMDadoda
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#38
Carbon Tetrachloride
Concen: 19.433 ug/l
RT: 7.92 min Scan# 1015
Delta R.T. 0.00 min
Lab File: VY001665.D
Acq: 18 Feb 2020 11:46

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.6	74.8	112.2
121	31.4	23.8	35.6





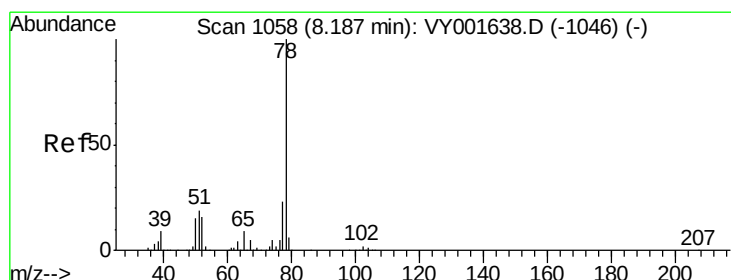
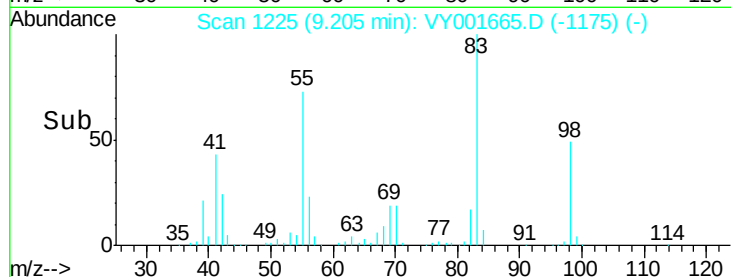
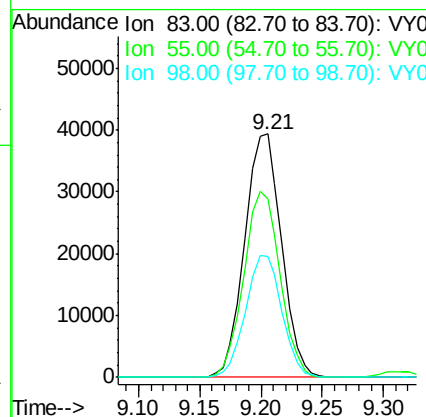
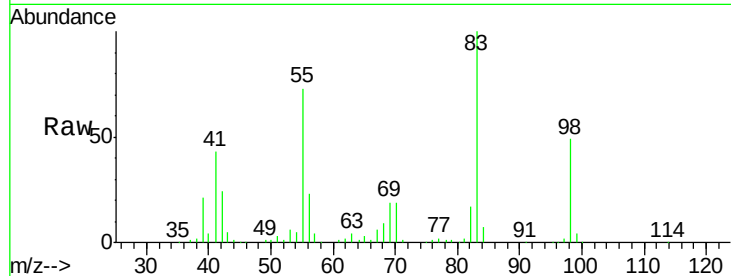
#39
Methylvlcyclohexane
Concen: 19.455 ug/l
RT: 9.21 min Scan# 1225
Delta R.T. 0.01 min
Lab File: VY001665.D
Acq: 18 Feb 2020 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VY0218SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.0	61.3	91.9
98	49.3	38.0	57.0

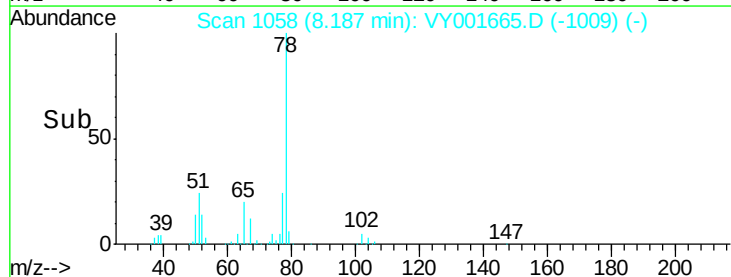
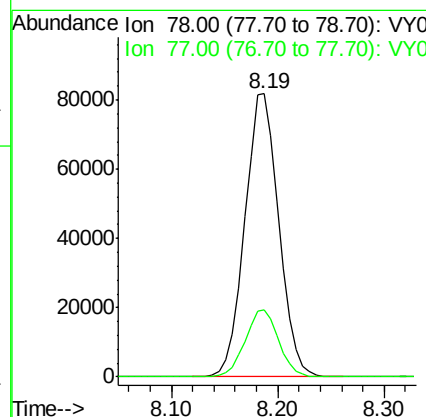
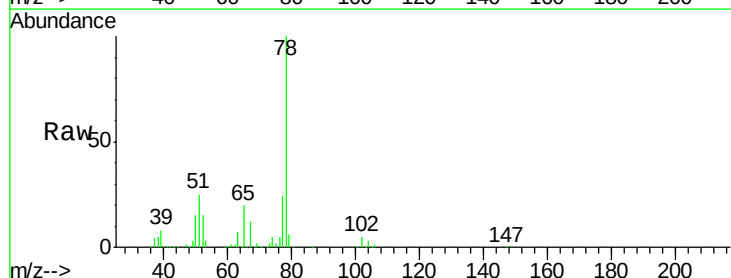
Manual Integrations
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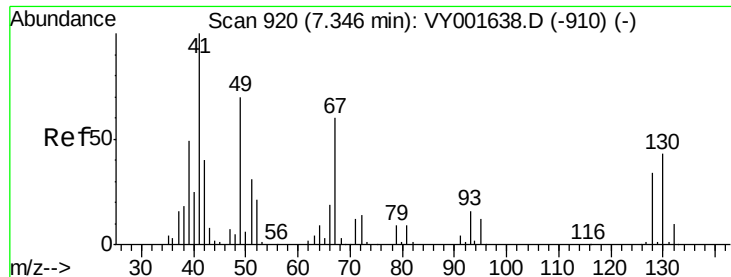
MMDadoda
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#40
Benzene
Concen: 19.418 ug/l
RT: 8.19 min Scan# 1058
Delta R.T. 0.00 min
Lab File: VY001665.D
Acq: 18 Feb 2020 11:46

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.2	27.4





#41

Methacrylonitrile

Concen: 18.914 ug/l

RT: 7.35 min Scan# 920

Delta R.T. 0.00 min

Lab File: VY001665.D

Acq: 18 Feb 2020 11:46

Instrument :

MSVOA_Y

ClientSampleId :

VY0218SBS01

Tot Ion: 41 Resp: 18148

Ion Ratio Lower Upper

41 100

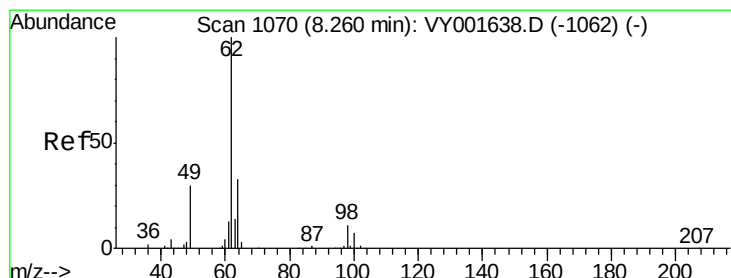
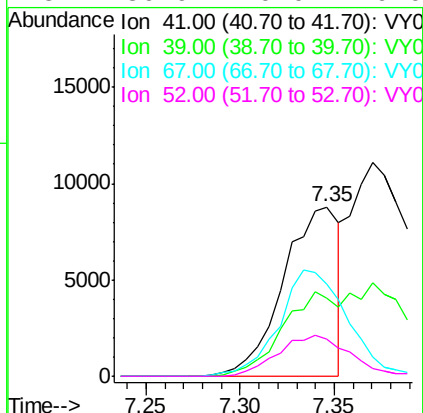
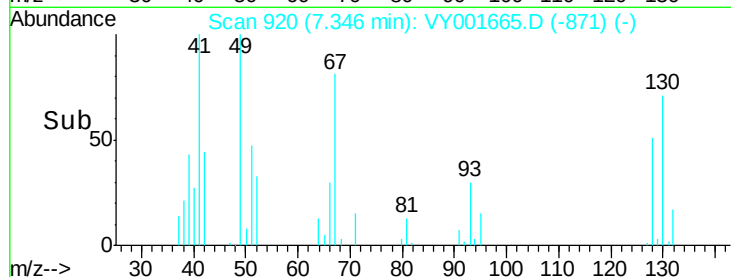
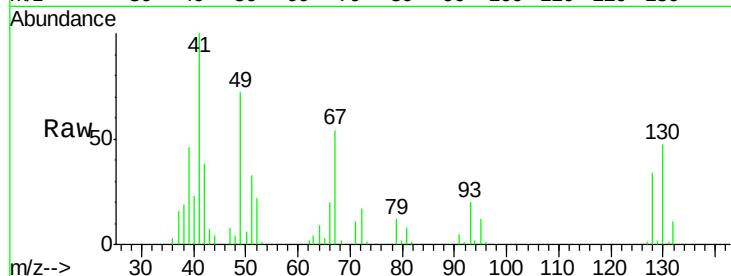
39 48.9 36.0 54.0

67 76.1 0.0 0.0#

52 30.9 0.0 0.0#

Manual Integrations
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2/19/2020 1:42:52 PM



#42

1,2-Dichloroethane

Concen: 18.837 ug/l

RT: 8.27 min Scan# 1071

Delta R.T. 0.01 min

Lab File: VY001665.D

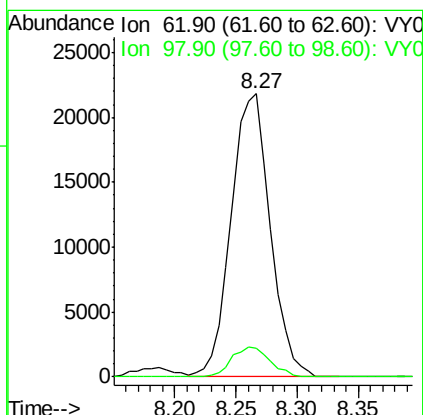
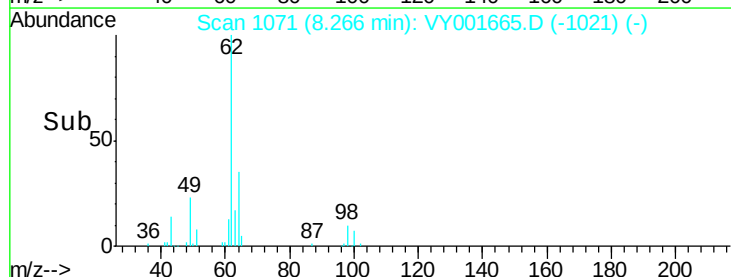
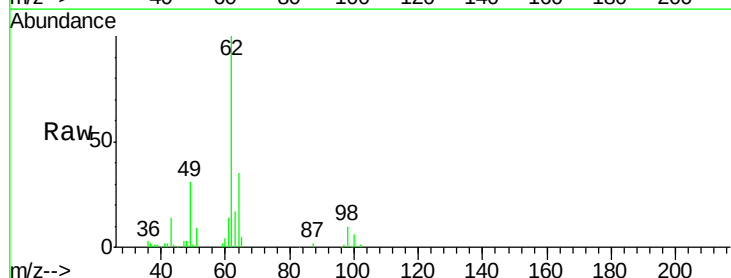
Acq: 18 Feb 2020 11:46

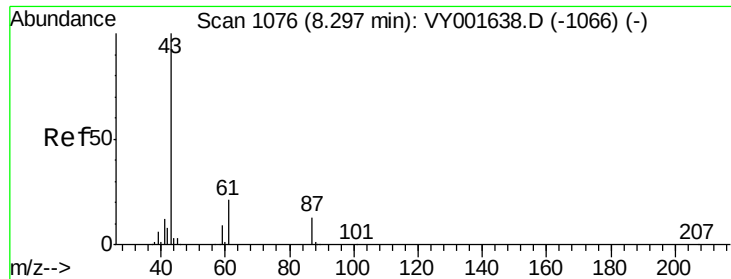
Tgt Ion: 62 Resp: 48323

Ion Ratio Lower Upper

62 100

98 10.2 0.0 20.8





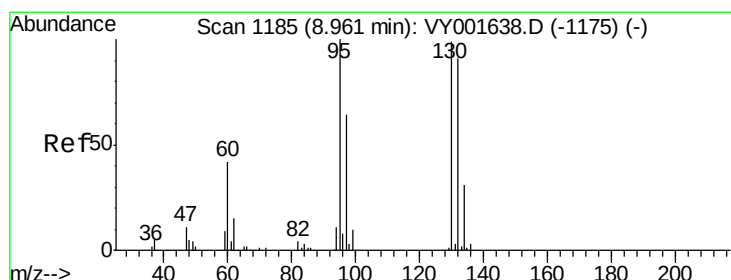
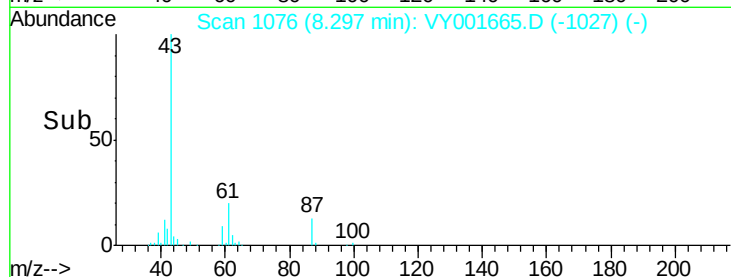
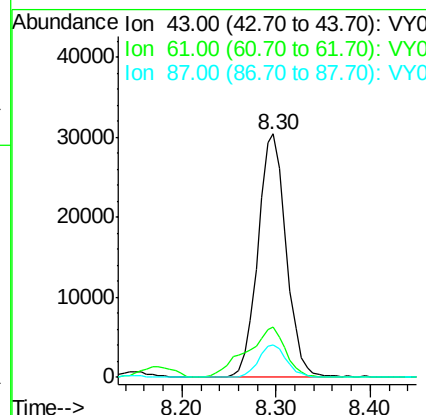
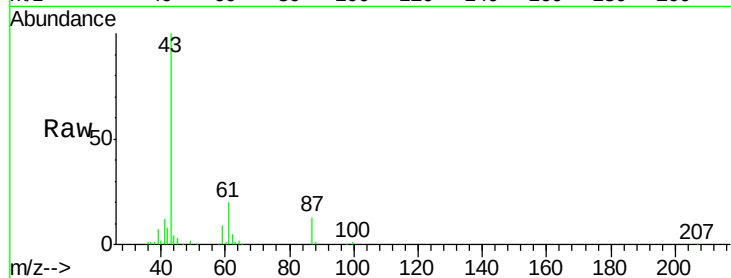
#43
Isopropyl Acetate
Concen: 17.574 ug/l
RT: 8.30 min Scan# 1076
Delta R.T. 0.00 min
Lab File: VY001665.D
Acq: 18 Feb 2020 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VY0218SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.6	23.0	34.4
87	13.2	10.7	16.1

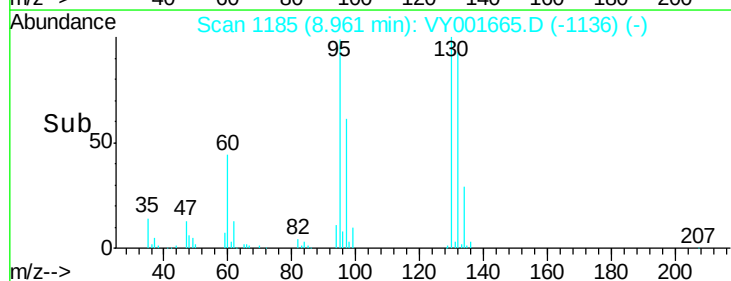
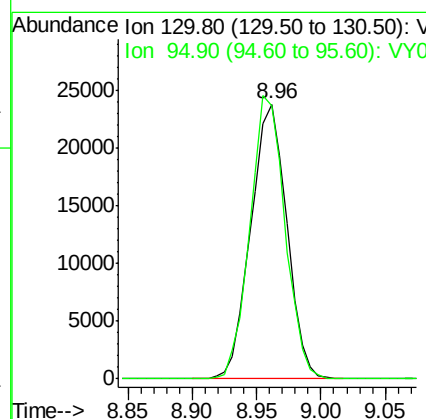
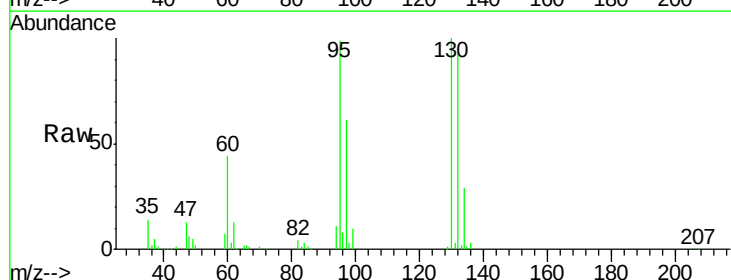
Manual Integrations
APPROVED

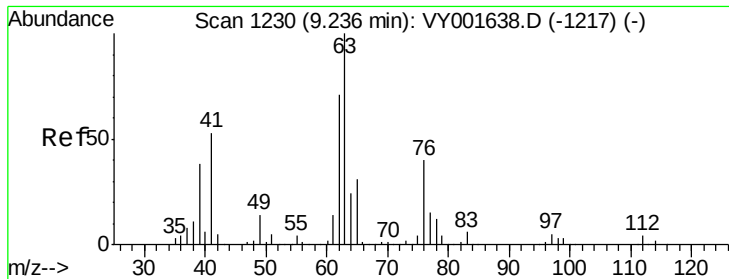
MMDadoda
2/19/2020 1:42:52 PM



#44
Trichloroethene
Concen: 19.532 ug/l
RT: 8.96 min Scan# 1185
Delta R.T. 0.00 min
Lab File: VY001665.D
Acq: 18 Feb 2020 11:46

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.2	0.0	200.6





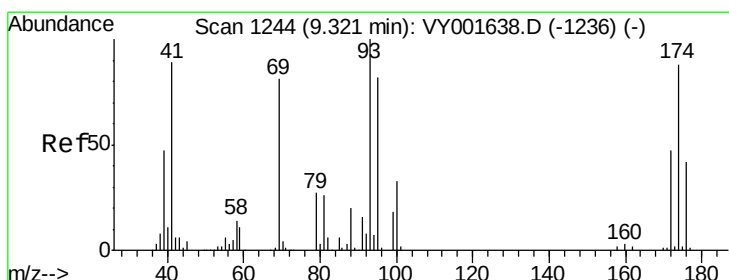
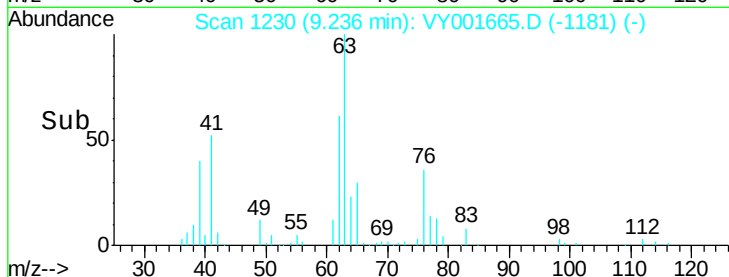
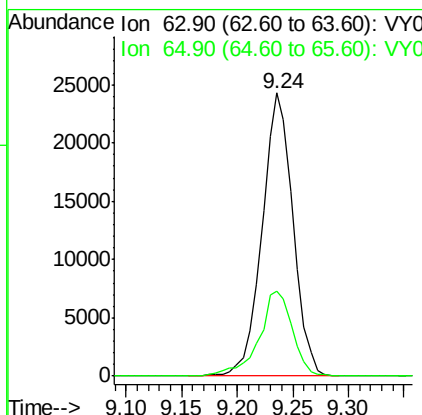
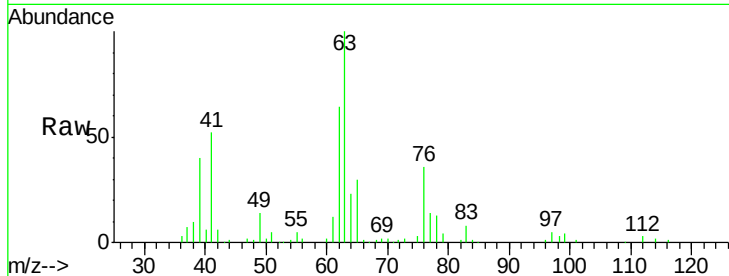
#45
 1,2-Dichloropropane
 Concen: 19.832 ug/l
 RT: 9.24 min Scan# 1230
 Delta R.T. -0.00 min
 Lab File: VY001665.D
 Acq: 18 Feb 2020 11:46

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0218SBS01

Tot Ion: 63 Resp: 46767
 Ion Ratio Lower Upper
 63 100
 65 30.2 24.6 37.0

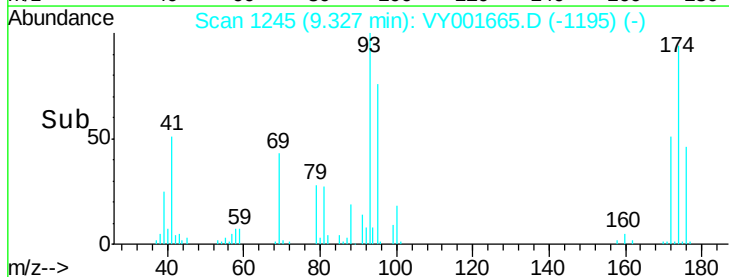
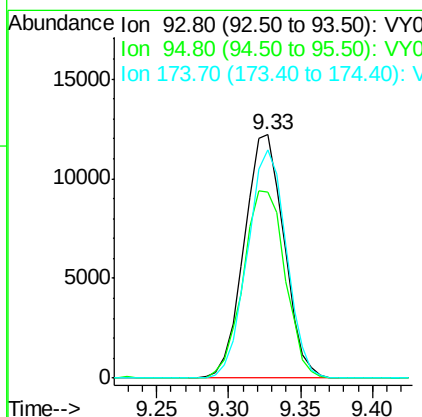
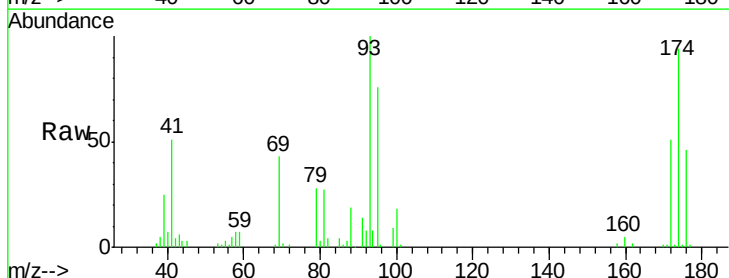
Manual Integrations
 APPROVED

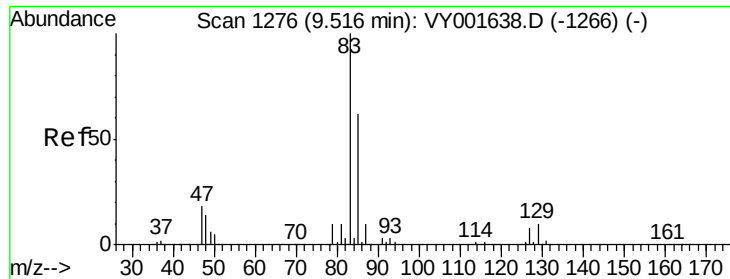
MMDadoda
 2/19/2020 1:42:52 PM



#46
 Dibromomethane
 Concen: 18.892 ug/l
 RT: 9.33 min Scan# 1245
 Delta R.T. 0.01 min
 Lab File: VY001665.D
 Acq: 18 Feb 2020 11:46

Tgt Ion: 93 Resp: 23302
 Ion Ratio Lower Upper
 93 100
 95 80.9 66.1 99.1
 174 91.7 72.5 108.7





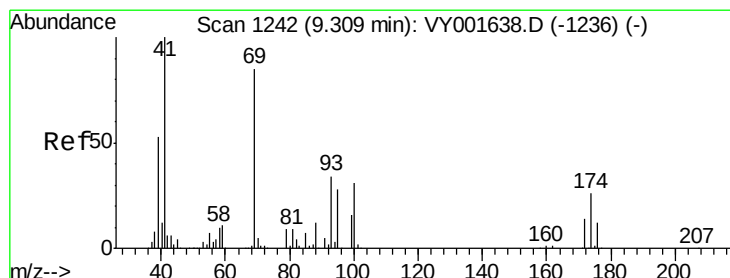
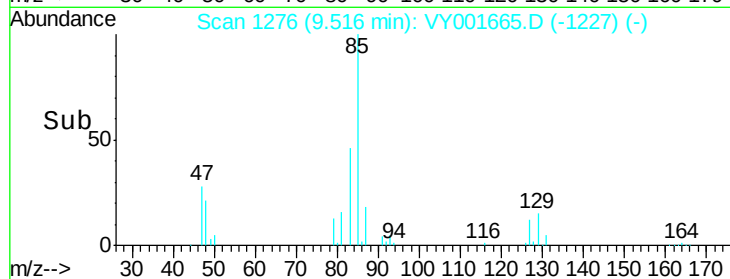
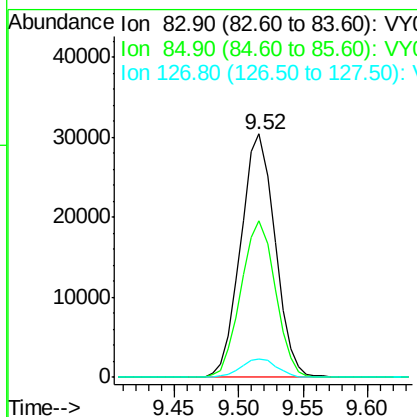
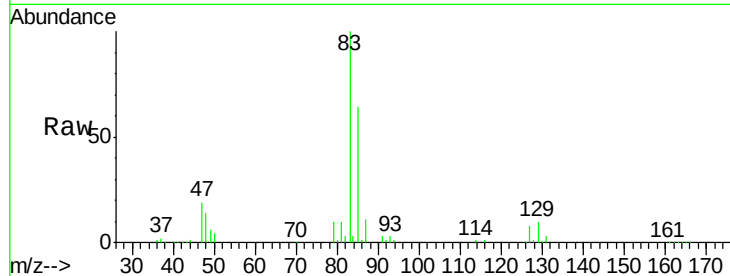
#47
Bromodichloromethane
Concen: 18.879 ug/l
RT: 9.52 min Scan# 1276
Delta R.T. 0.00 min
Lab File: VY001665.D
Acq: 18 Feb 2020 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VY0218SBS01

Tot Ion	83	Resp	56200
Ion Ratio	100		
85	64.3	51.4	77.0
127	7.5	6.4	9.6

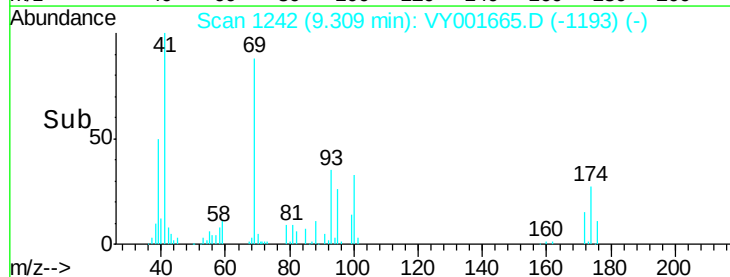
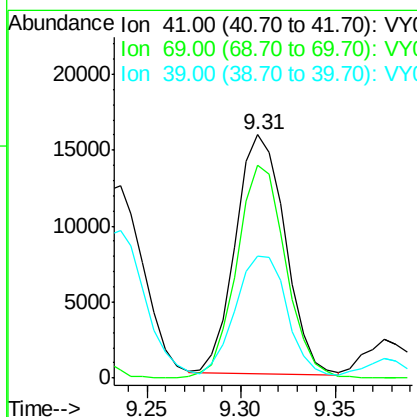
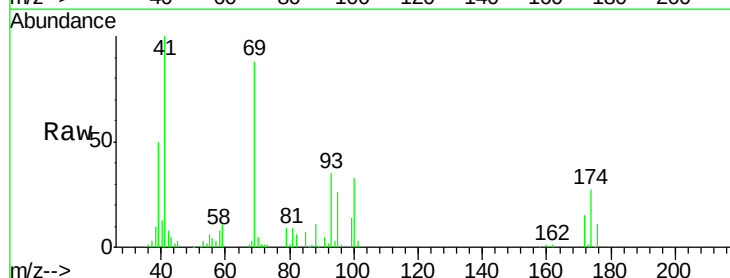
Manual Integrations
APPROVED

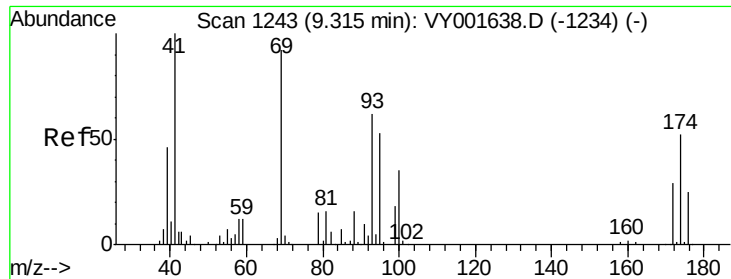
MMDadoda
2/19/2020 1:42:52 PM



#48
Methyl methacrylate
Concen: 17.484 ug/l
RT: 9.31 min Scan# 1242
Delta R.T. 0.00 min
Lab File: VY001665.D
Acq: 18 Feb 2020 11:46

Tgt Ion	41	Resp	28669
Ion Ratio	100		
69	88.5	70.7	106.1
39	52.2	42.2	63.2





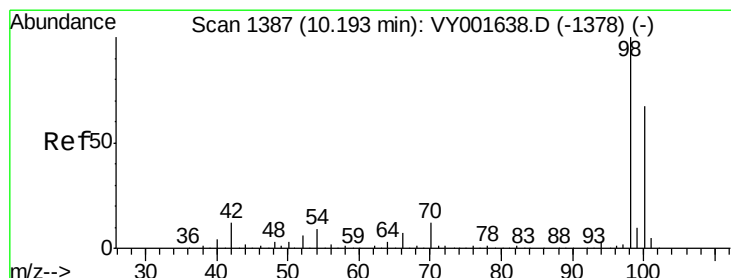
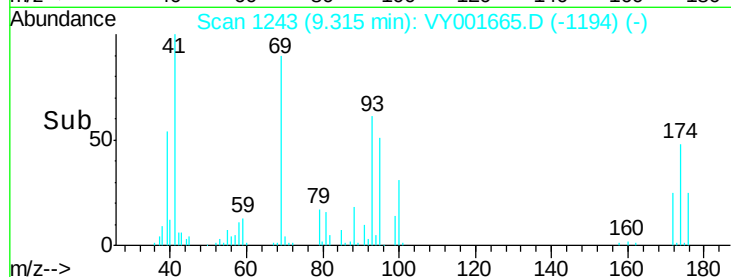
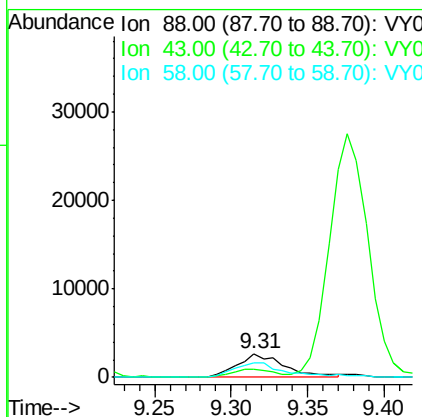
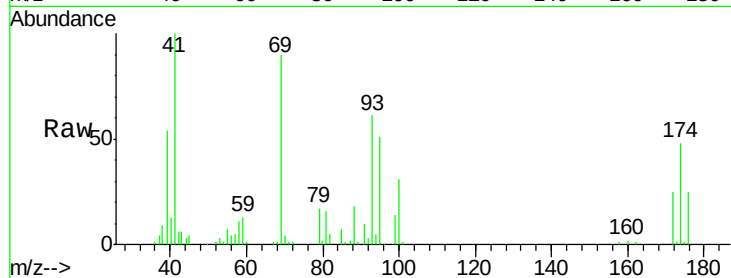
#49
1,4-Dioxane
Concen: 330.524 ug/l
RT: 9.31 min Scan# 1243
Delta R.T. 0.00 min
Lab File: VY001665.D
Acq: 18 Feb 2020 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VY0218SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.4	23.1	34.7
58	65.1	58.1	87.1

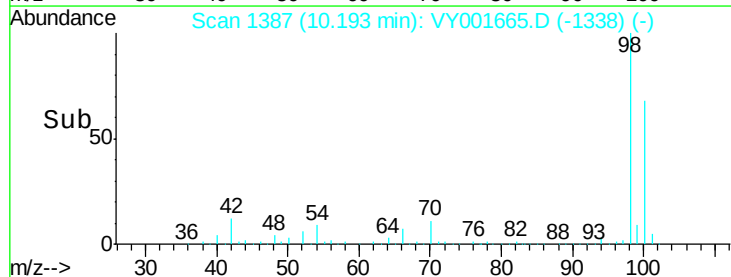
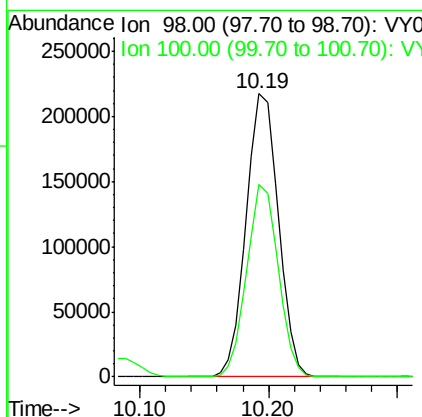
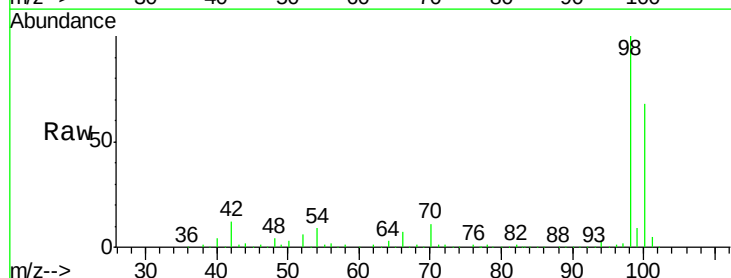
Manual Integrations
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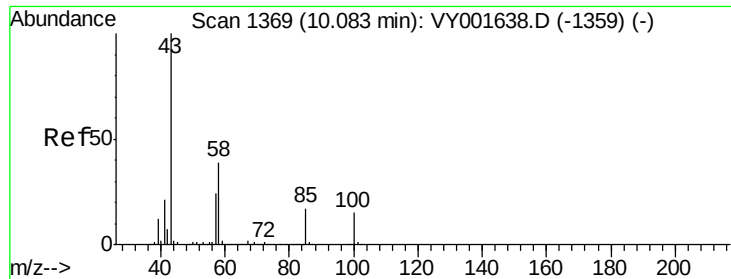
MMDadoda
2/19/2020 1:42:52 PM



#50
Toluene-d8
Concen: 50.102 ug/l
RT: 10.19 min Scan# 1387
Delta R.T. 0.00 min
Lab File: VY001665.D
Acq: 18 Feb 2020 11:46

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.4	53.0	79.4





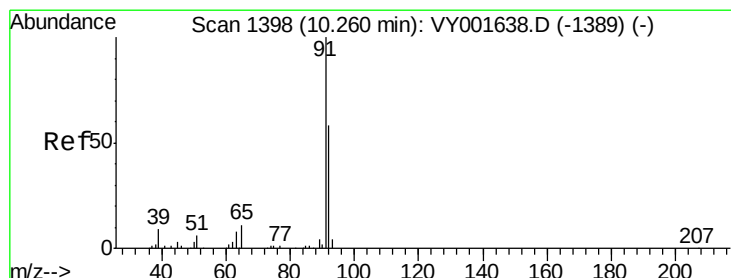
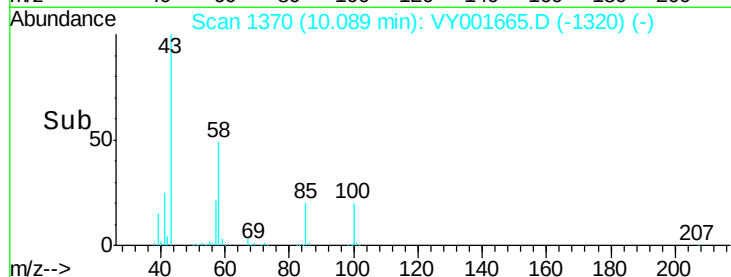
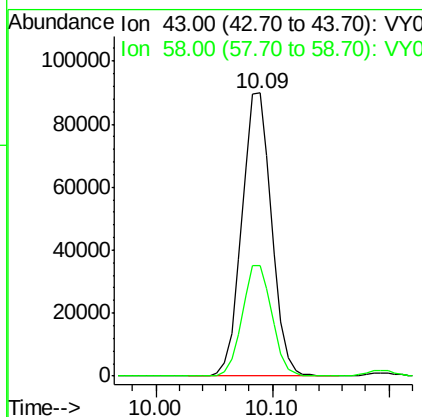
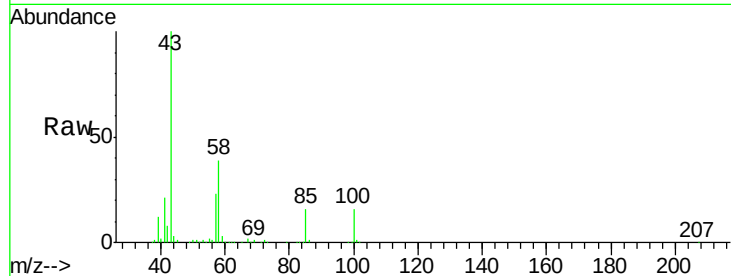
#51
4-Methyl-2-Pentanone
Concen: 86.043 ug/l
RT: 10.09 min Scan# 1370
Delta R.T. 0.01 min
Lab File: VY001665.D
Acq: 18 Feb 2020 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VY0218SBS01

Tot Ion: 43 Resp: 160284
Ion Ratio Lower Upper
43 100
58 39.0 32.2 48.4

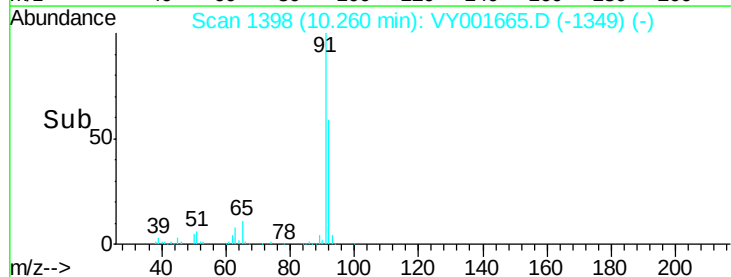
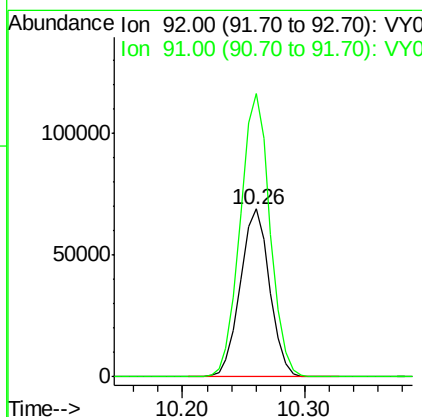
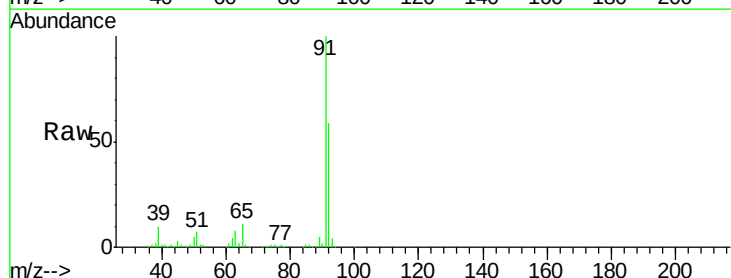
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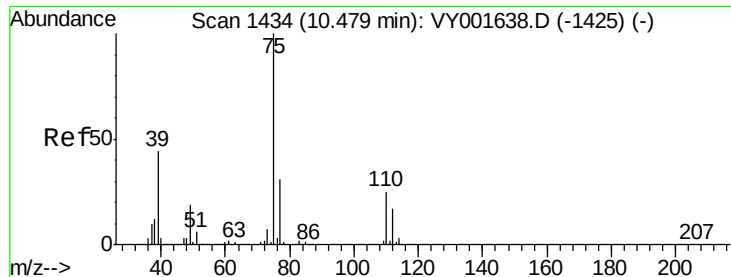
MMDadoda
2/19/2020 1:42:52 PM



#52
Toluene
Concen: 19.558 ug/l
RT: 10.26 min Scan# 1398
Delta R.T. 0.00 min
Lab File: VY001665.D
Acq: 18 Feb 2020 11:46

Tgt Ion: 92 Resp: 114873
Ion Ratio Lower Upper
92 100
91 170.4 137.0 205.6





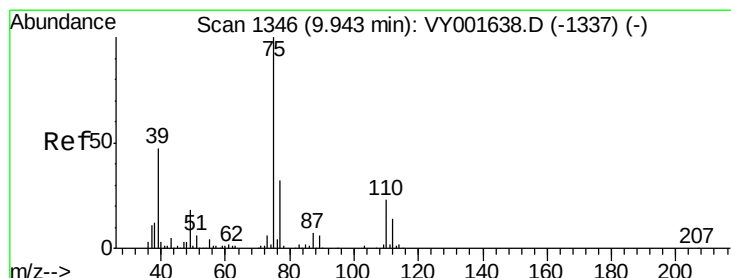
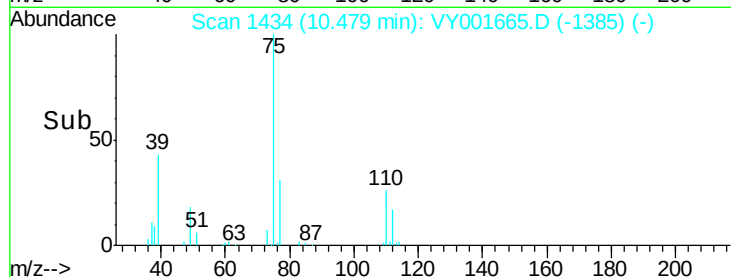
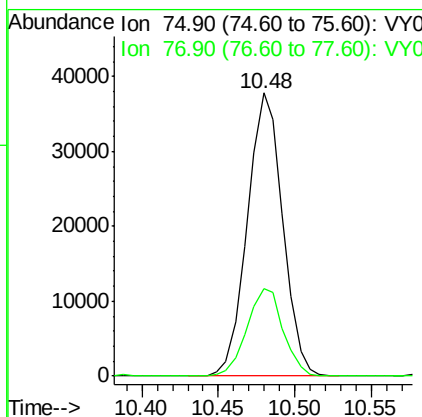
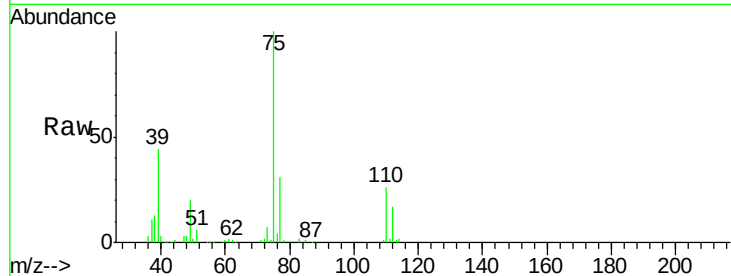
#53
t-1,3-Dichloropropene
Concen: 18.454 ug/l
RT: 10.48 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VY001665.D
Acq: 18 Feb 2020 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VY0218SBS01

Tot Ion: 75 Resp: 60729
Ion Ratio Lower Upper
75 100
77 30.8 25.2 37.8

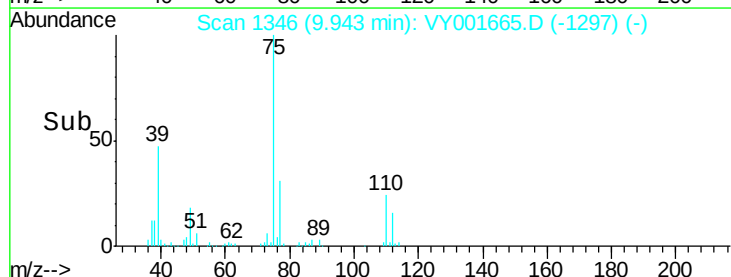
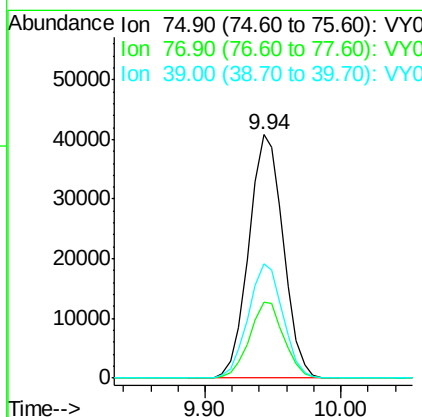
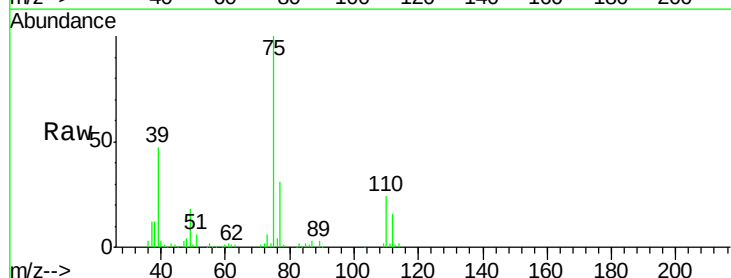
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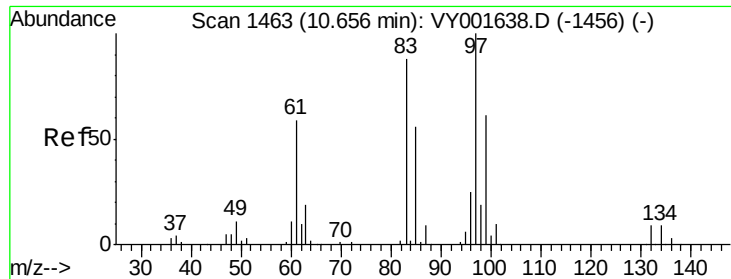
MMDadoda
2/19/2020 1:42:52 PM



#54
cis-1,3-Dichloropropene
Concen: 19.147 ug/l
RT: 9.94 min Scan# 1346
Delta R.T. 0.00 min
Lab File: VY001665.D
Acq: 18 Feb 2020 11:46

Tgt Ion: 75 Resp: 72521
Ion Ratio Lower Upper
75 100
77 31.4 25.7 38.5
39 47.0 35.7 53.5





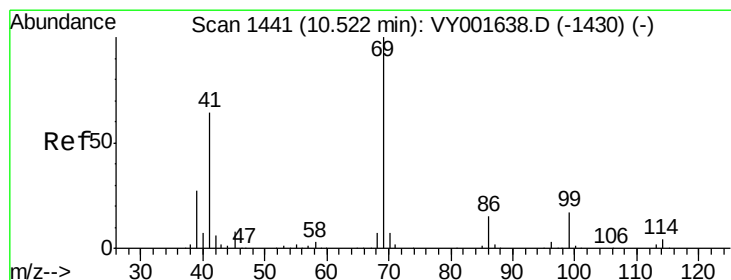
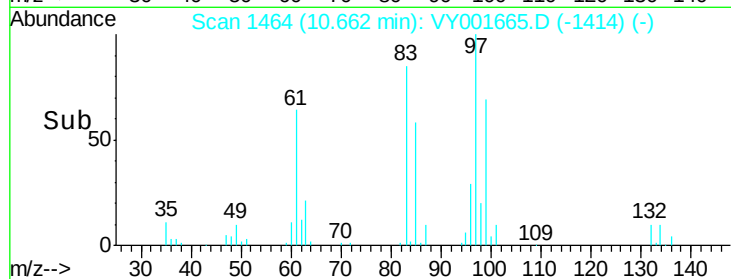
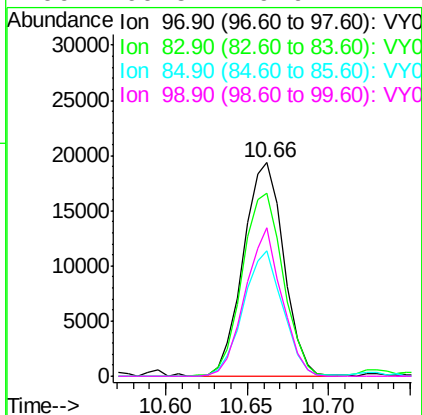
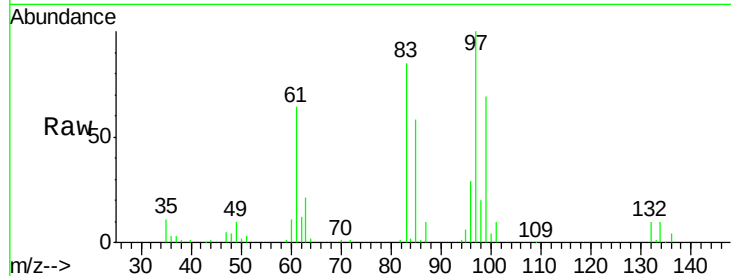
#55
 1,1,2-Trichloroethane
 Concen: 18.176 ug/l
 RT: 10.66 min Scan# 1464
 Delta R.T. 0.01 min
 Lab File: VY001665.D
 Acq: 18 Feb 2020 11:46

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0218SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		33058		
83	85.7	69.7	104.5		
85	58.6	44.5	66.7		
99	69.5	49.6	74.4		

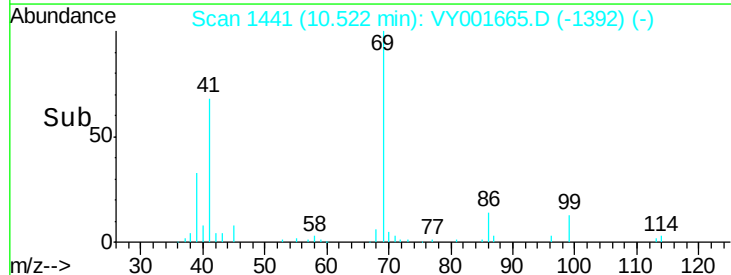
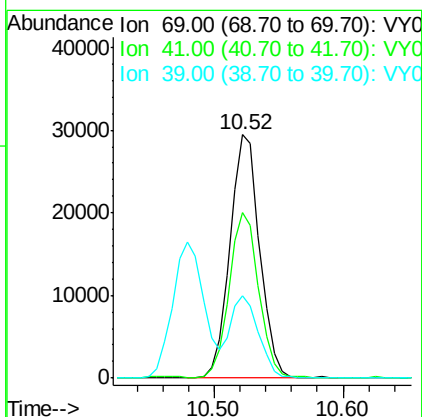
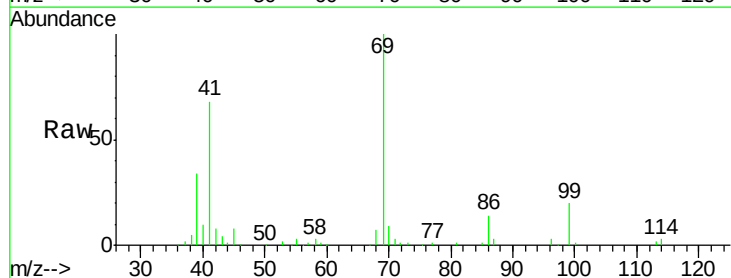
Manual Integrations
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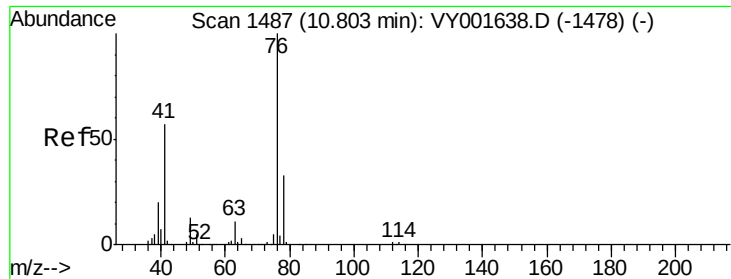
MMDadoda
 2/19/2020 1:42:52 PM



#56
 Ethyl methacrylate
 Concen: 17.346 ug/l
 RT: 10.52 min Scan# 1441
 Delta R.T. 0.00 min
 Lab File: VY001665.D
 Acq: 18 Feb 2020 11:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		47327		
41	68.5	51.0	76.4		
39	32.7	24.7	37.1		





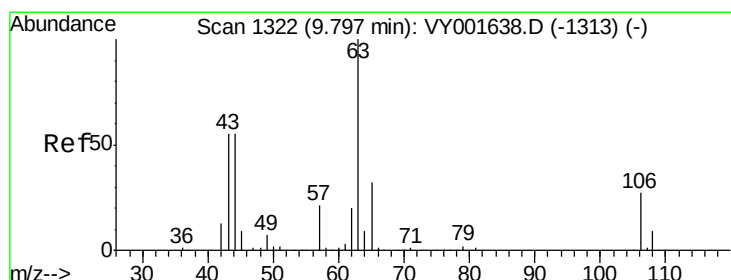
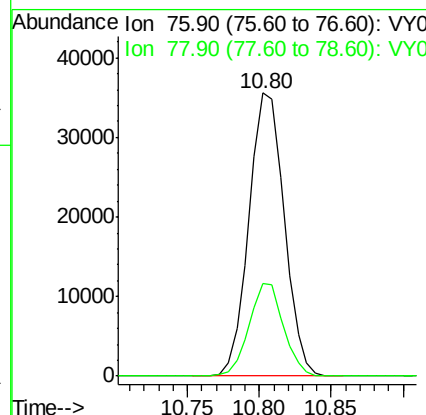
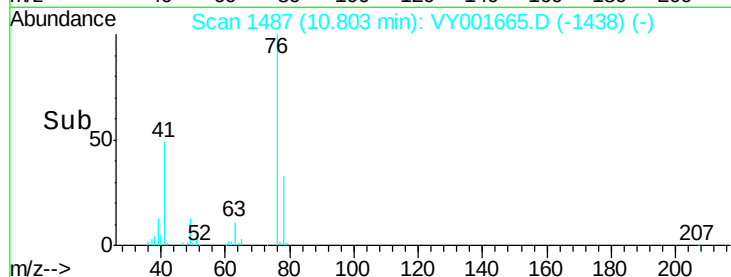
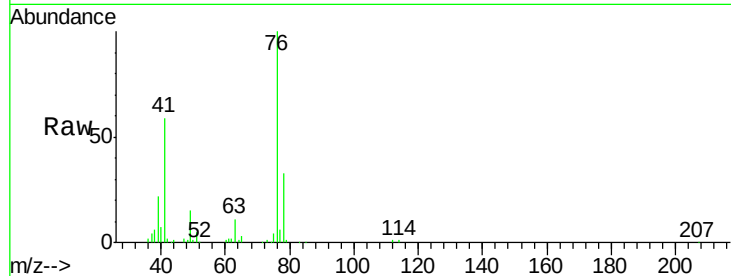
#57
 1,3-Dichloropropane
 Concen: 18.647 ug/l
 RT: 10.80 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VY001665.D
 Acq: 18 Feb 2020 11:46

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0218SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.7	25.7	38.5

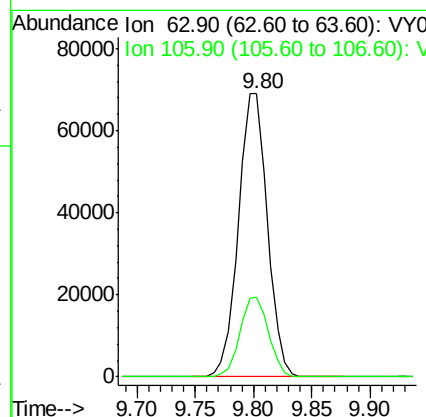
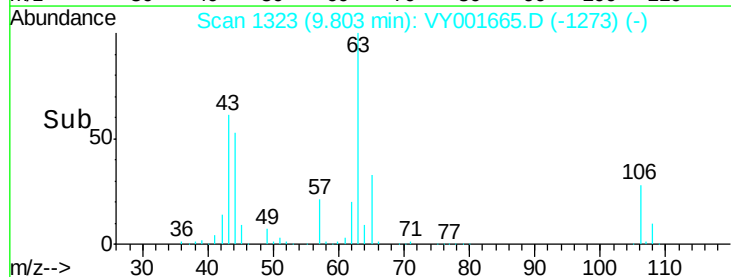
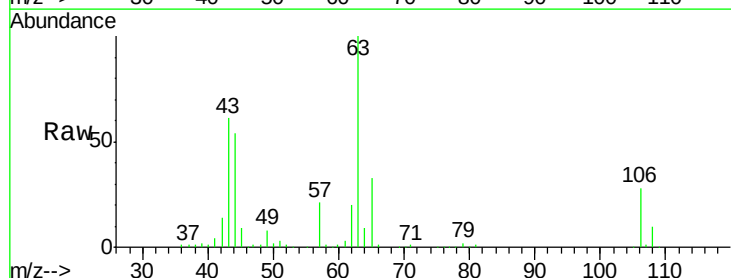
Manual Integrations
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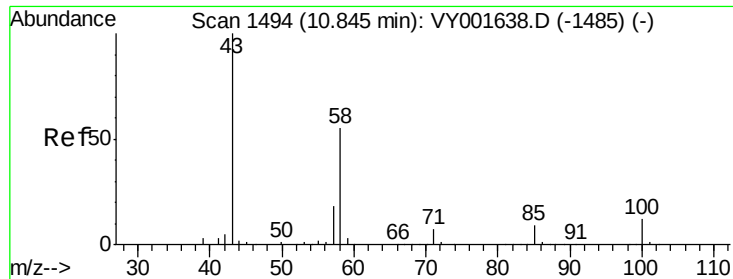
MMDadoda
 2/19/2020 1:42:52 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 105.710 ug/l
 RT: 9.80 min Scan# 1323
 Delta R.T. 0.01 min
 Lab File: VY001665.D
 Acq: 18 Feb 2020 11:46

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.8	21.6	32.4





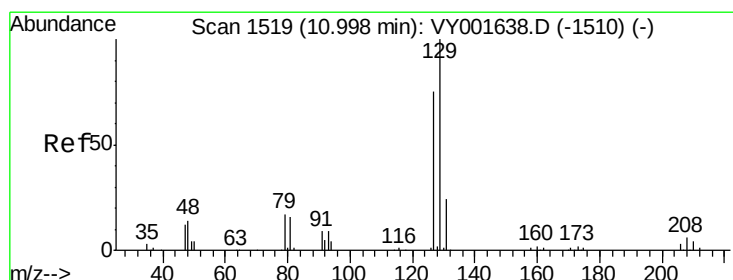
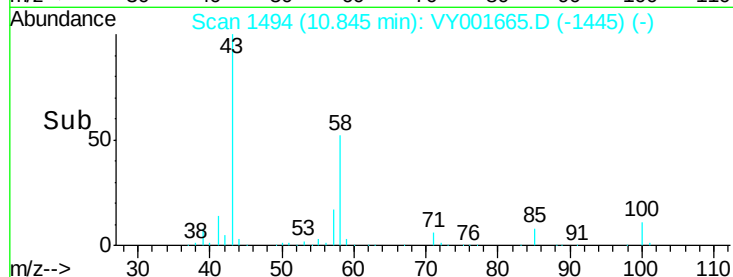
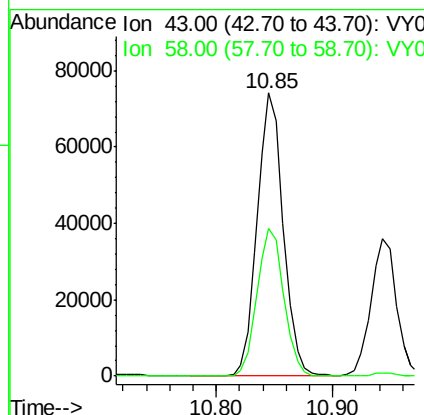
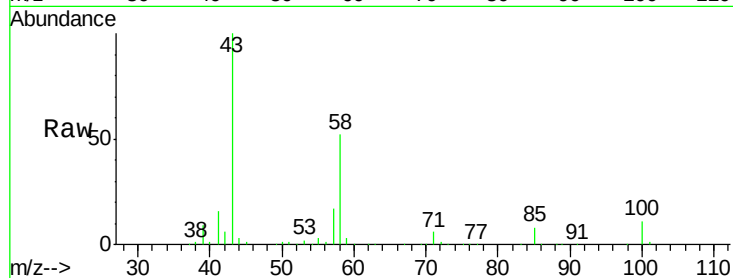
#59
2-Hexanone
Concen: 82.682 ug/l
RT: 10.85 min Scan# 1494
Delta R.T. -0.00 min
Lab File: VY001665.D
Acq: 18 Feb 2020 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VY0218SBS01

Tot Ion: 43 Resp: 115566
Ion Ratio Lower Upper
43 100
58 53.6 28.4 85.2

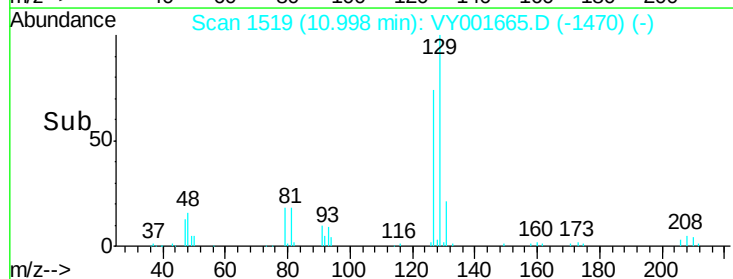
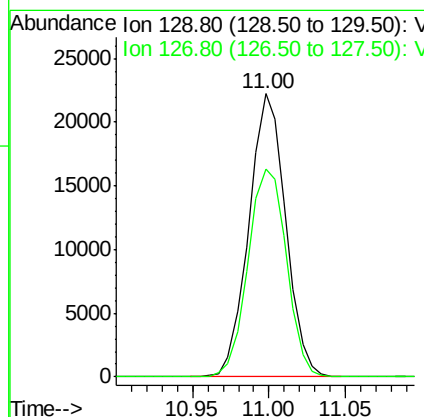
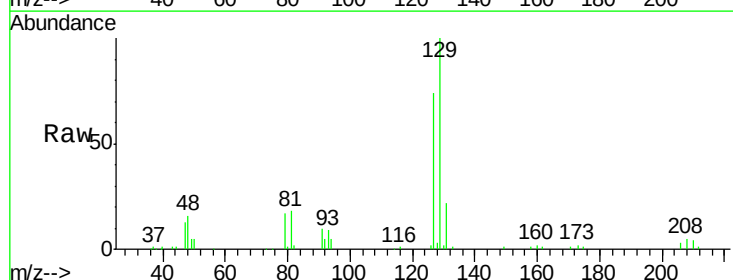
Manual Integrations
APPROVED

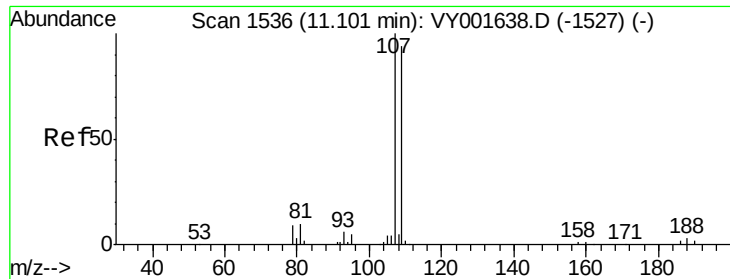
MMDadoda
2/19/2020 1:42:52 PM



#60
Dibromochloromethane
Concen: 18.546 ug/l
RT: 11.00 min Scan# 1519
Delta R.T. 0.00 min
Lab File: VY001665.D
Acq: 18 Feb 2020 11:46

Tgt Ion:129 Resp: 37187
Ion Ratio Lower Upper
129 100
127 76.8 38.9 116.6





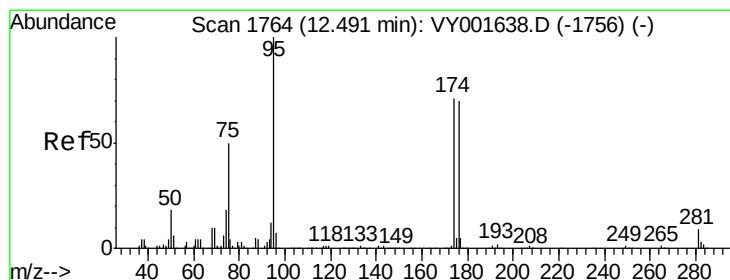
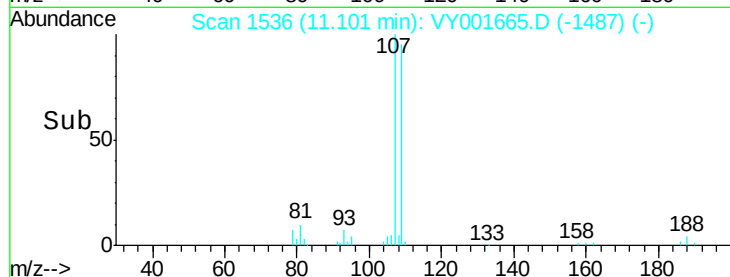
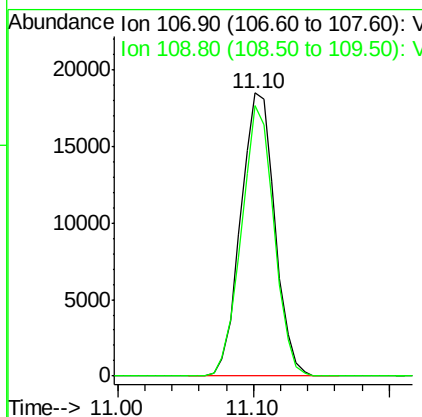
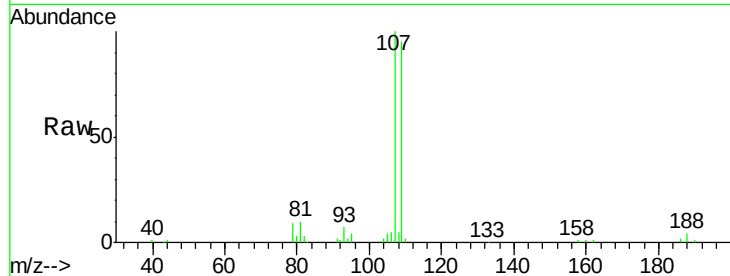
#61
 1,2-Dibromoethane
 Concen: 18.823 ug/l
 RT: 11.10 min Scan# 1536
 Delta R.T. -0.00 min
 Lab File: VY001665.D
 Acq: 18 Feb 2020 11:46

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0218SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	91.3	74.2	111.4

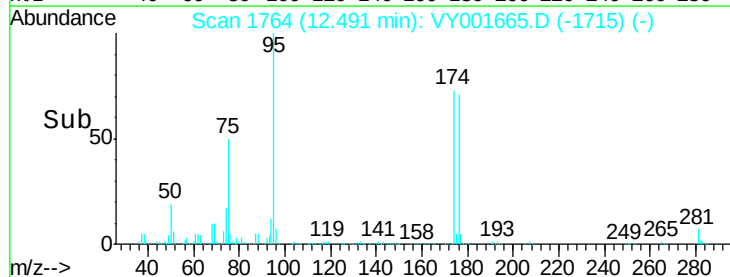
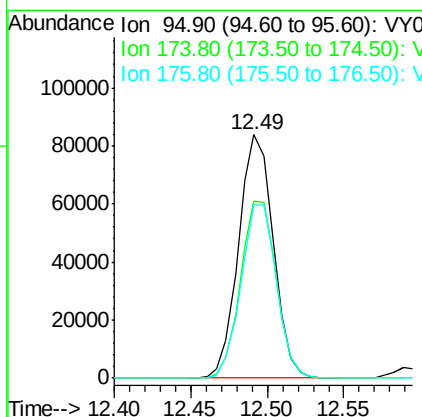
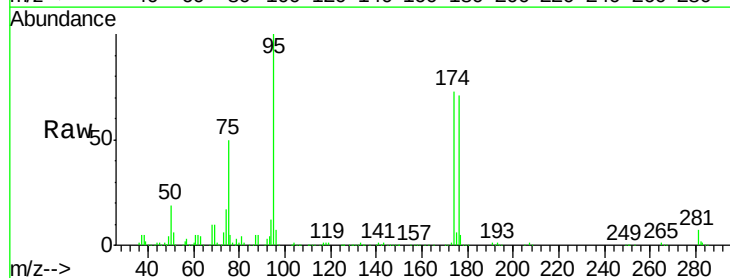
Manual Integrations
 APPROVED

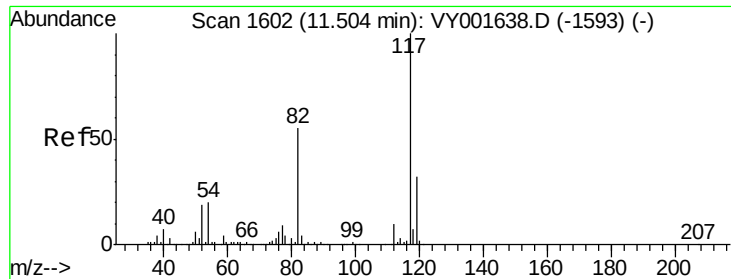
MMDadoda
 2/19/2020 1:42:52 PM



#62
 4-Bromofluorobenzene
 Concen: 44.994 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. 0.00 min
 Lab File: VY001665.D
 Acq: 18 Feb 2020 11:46

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.2	0.0	138.4
176	72.9	0.0	131.8





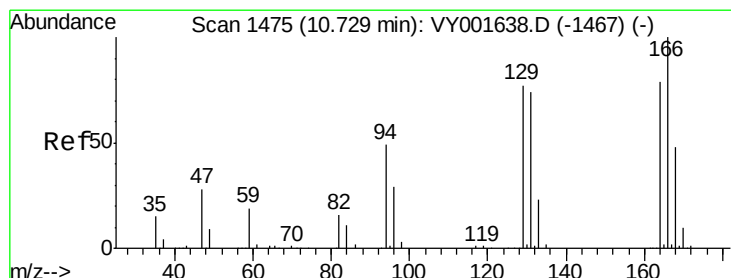
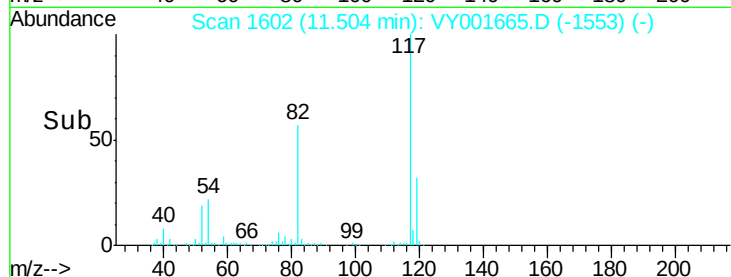
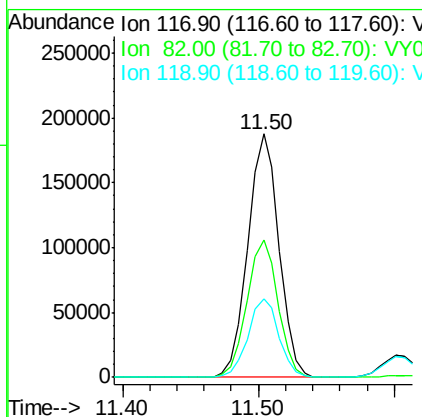
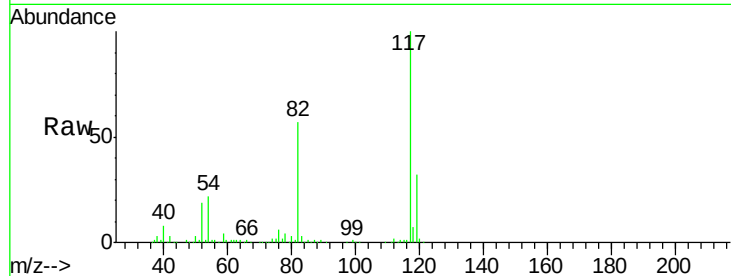
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. -0.00 min
Lab File: VY001665.D
Acq: 18 Feb 2020 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VY0218SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	299945		
82	56.5		45.5	68.3
119	32.2		25.8	38.6

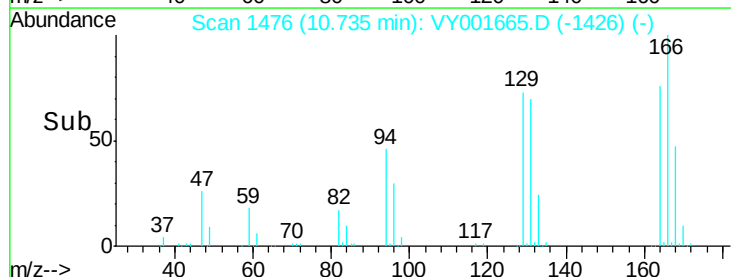
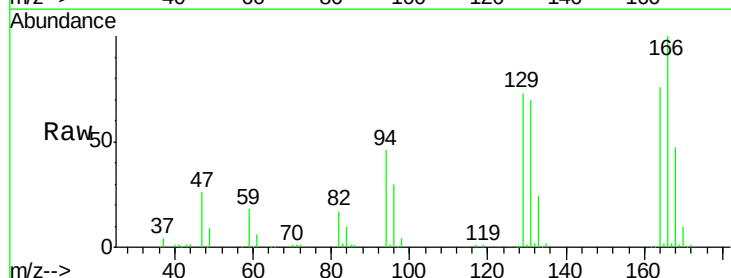
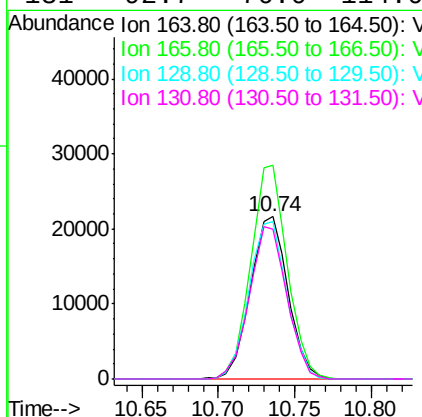
Manual Integrations
APPROVED

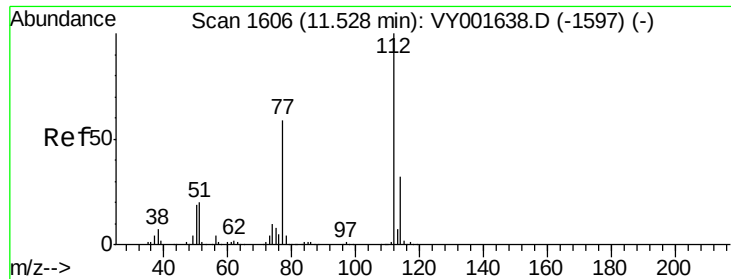
MMDadoda
2/19/2020 1:42:52 PM



#64
Tetrachloroethene
Concen: 19.674 ug/l
RT: 10.74 min Scan# 1476
Delta R.T. 0.01 min
Lab File: VY001665.D
Acq: 18 Feb 2020 11:46

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	37044		
166	131.7		101.4	152.0
129	96.7		78.7	118.1
131	92.7		76.0	114.0





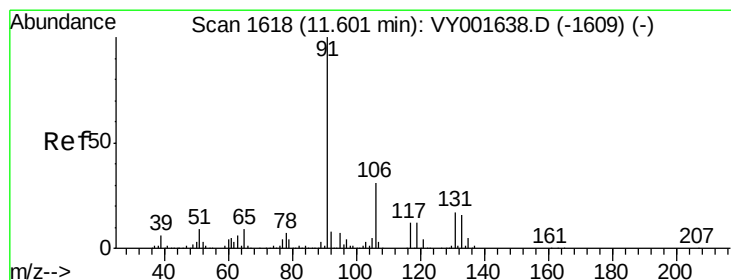
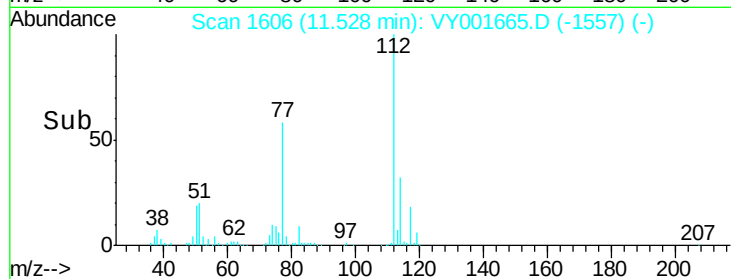
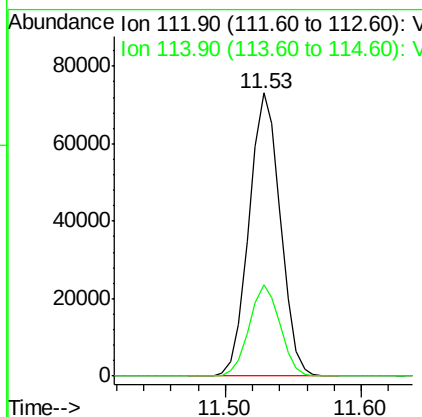
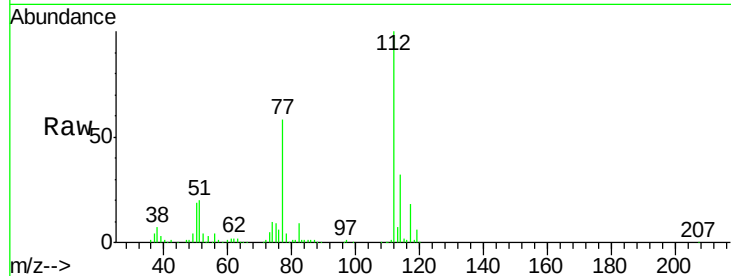
#65
Chlorobenzene
Concen: 19.702 ug/l
RT: 11.53 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VY001665.D
Acq: 18 Feb 2020 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VY0218SBS01

Tot Ion:112 Resp: 117985
Ion Ratio Lower Upper
112 100
114 32.2 25.4 38.2

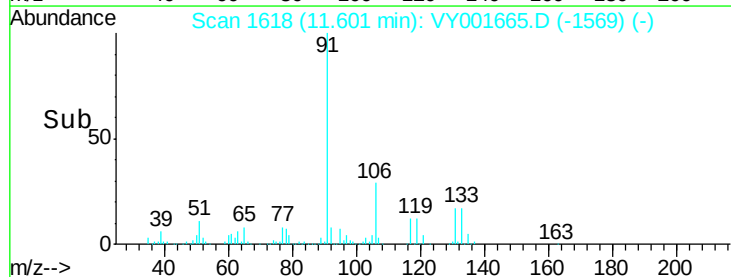
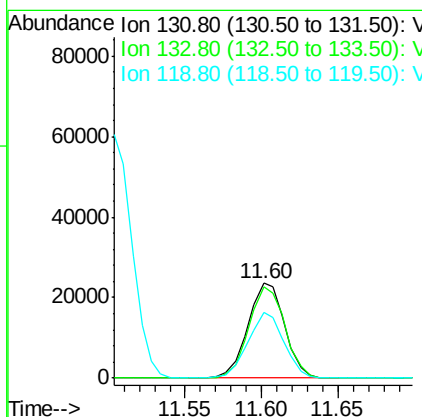
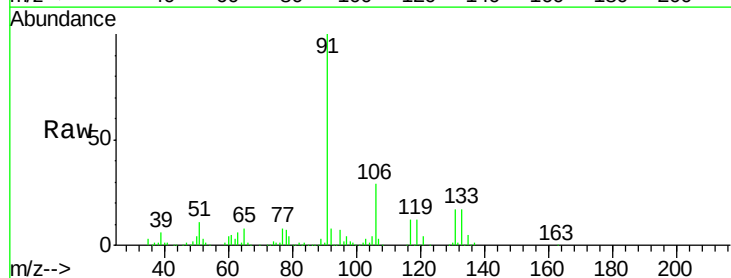
Manual Integrations
APPROVED

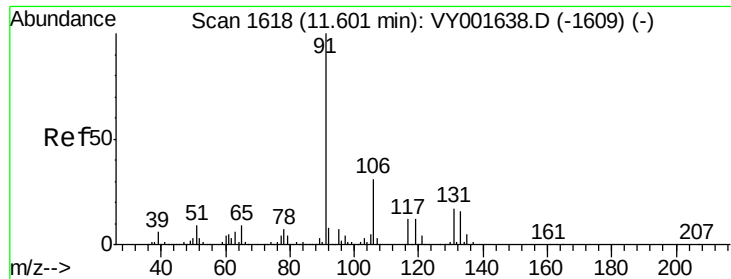
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.564 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VY001665.D
Acq: 18 Feb 2020 11:46

Tgt Ion:131 Resp: 39521
Ion Ratio Lower Upper
131 100
133 94.8 47.4 142.2
119 67.6 34.4 103.1





#67

Ethyl Benzene

Concen: 19.903 ug/l

RT: 11.61 min Scan# 1619

Delta R.T. 0.01 min

Lab File: VY001665.D

Acq: 18 Feb 2020 11:46

Instrument :

MSVOA_Y

ClientSampleId :

VY0218SBS01

Tot Ion: 91 Resp: 221180

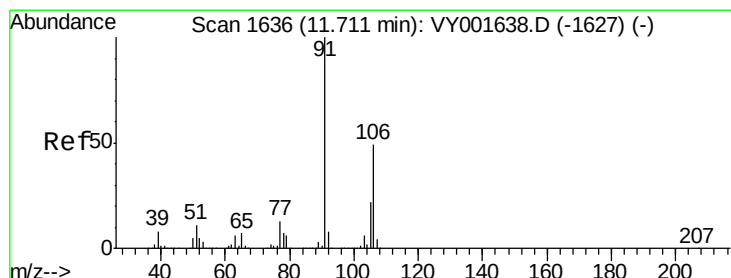
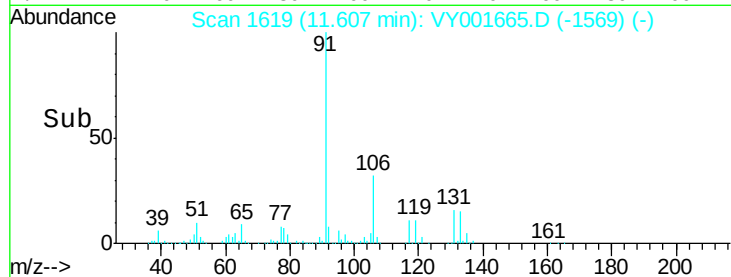
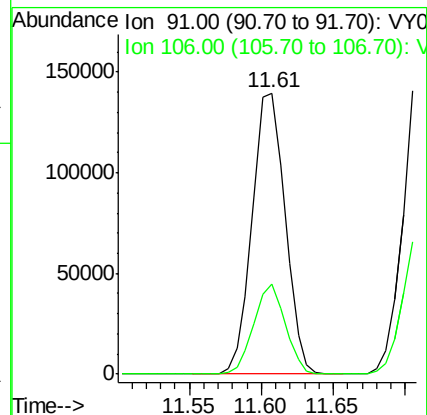
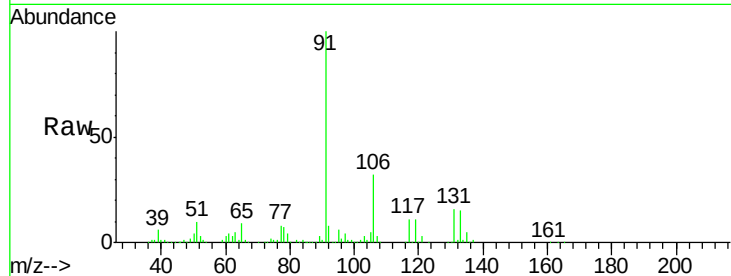
Ion Ratio Lower Upper

91 100

106 32.0 24.5 36.7

Manual Integrations
APPROVED

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#68

m/p-Xylenes

Concen: 39.859 ug/l

RT: 11.72 min Scan# 1637

Delta R.T. 0.01 min

Lab File: VY001665.D

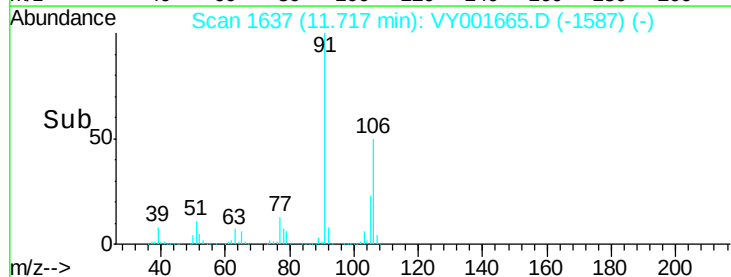
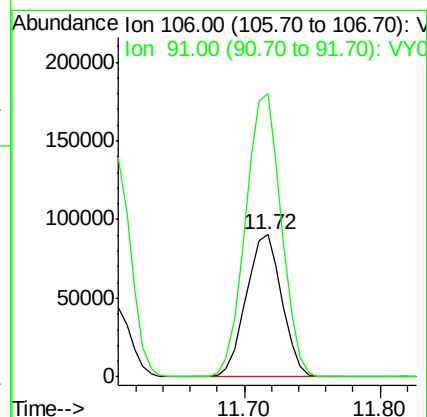
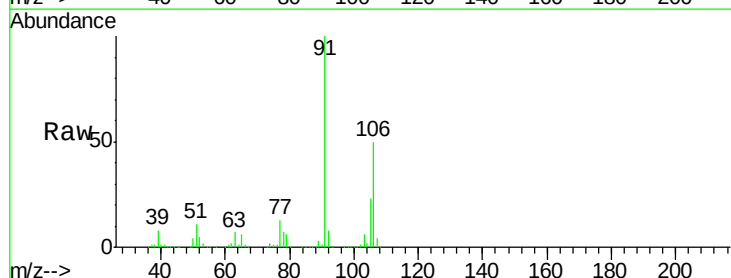
Acq: 18 Feb 2020 11:46

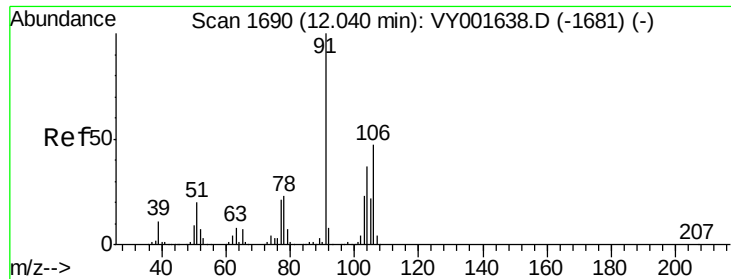
Tgt Ion: 106 Resp: 165463

Ion Ratio Lower Upper

106 100

91 200.0 163.3 244.9





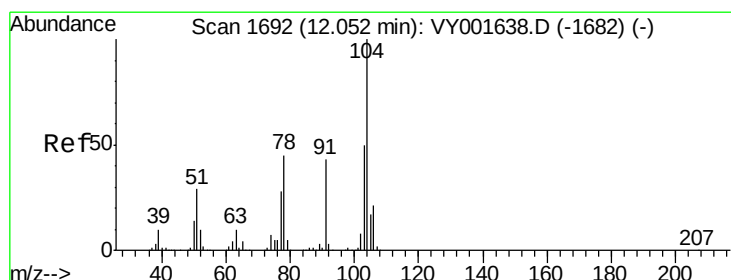
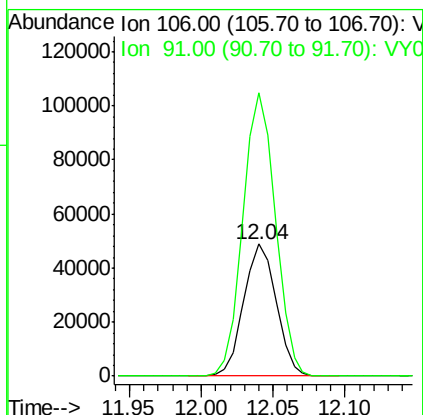
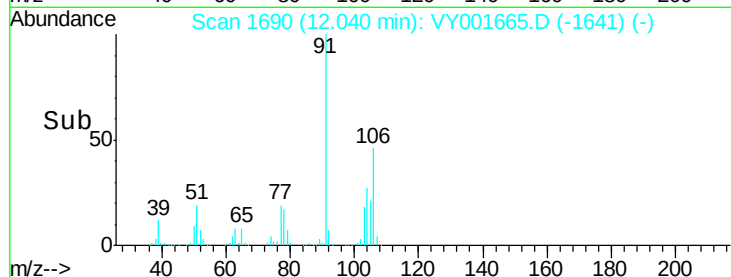
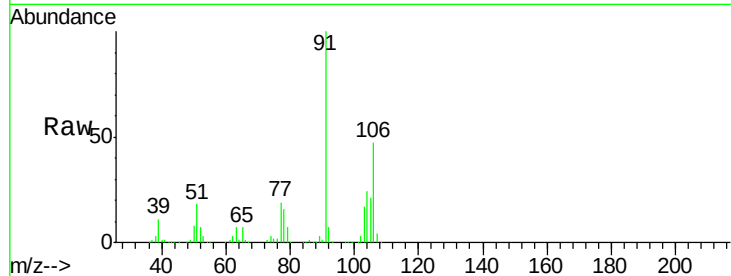
#69
o-Xylene
Concen: 19.348 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VY001665.D
Acq: 18 Feb 2020 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VY0218SBS01

Tot Ion:106 Resp: 76358
Ion Ratio Lower Upper
106 100
91 214.5 108.3 324.9

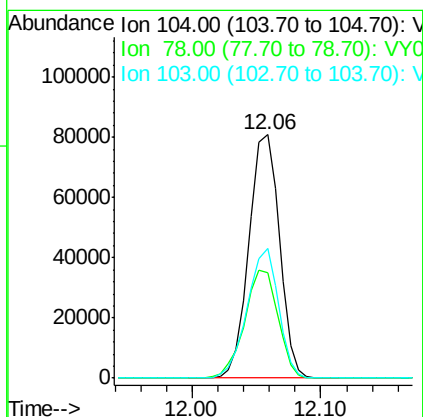
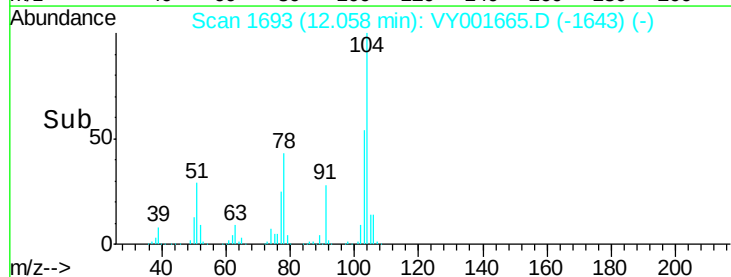
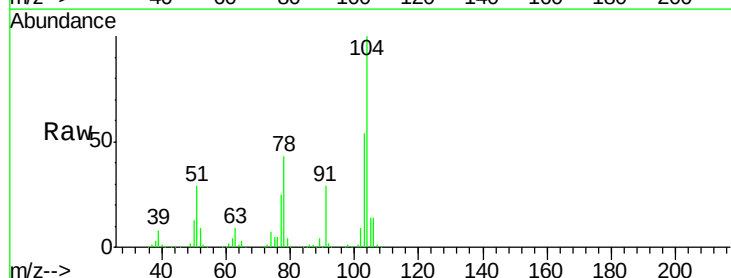
Manual Integrations
APPROVED

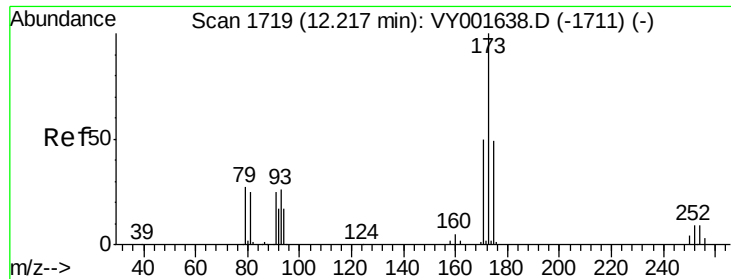
MMDadoda
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#70
Styrene
Concen: 19.243 ug/l
RT: 12.06 min Scan# 1693
Delta R.T. 0.01 min
Lab File: VY001665.D
Acq: 18 Feb 2020 11:46

Tgt Ion:104 Resp: 131985
Ion Ratio Lower Upper
104 100
78 48.7 39.2 58.8
103 54.8 43.0 64.6





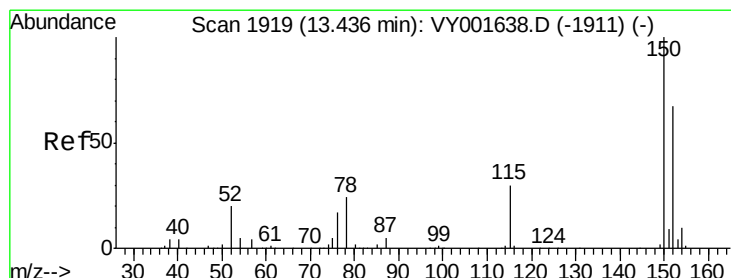
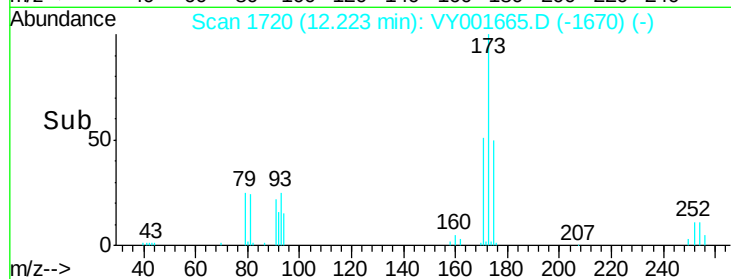
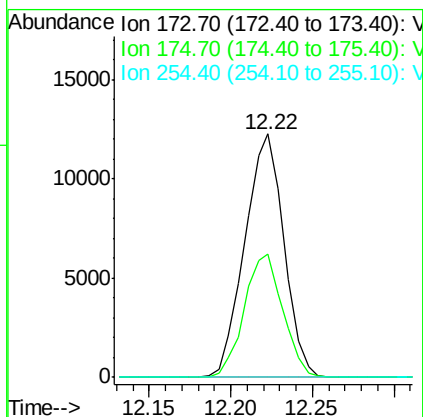
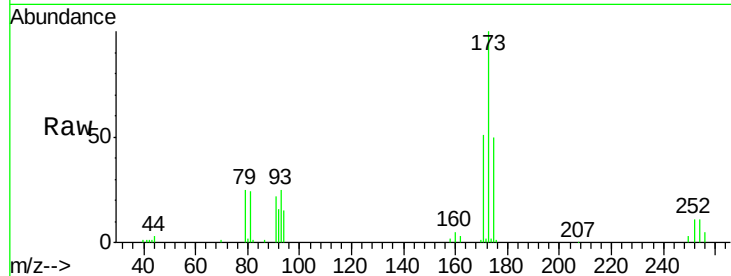
#71
Bromoform
Concen: 17.683 ug/l
RT: 12.22 min Scan# 1720
Delta R.T. 0.01 min
Lab File: VY001665.D
Acq: 18 Feb 2020 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VY0218SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.9	24.3	73.0
254	0.0	0.1	0.1#

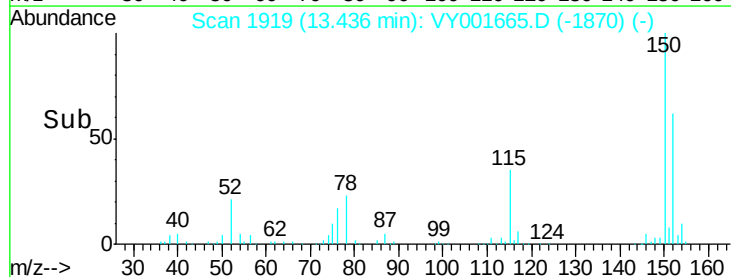
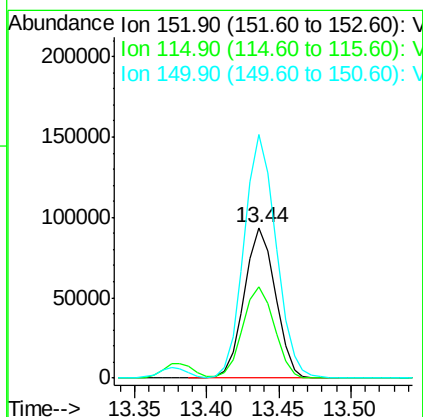
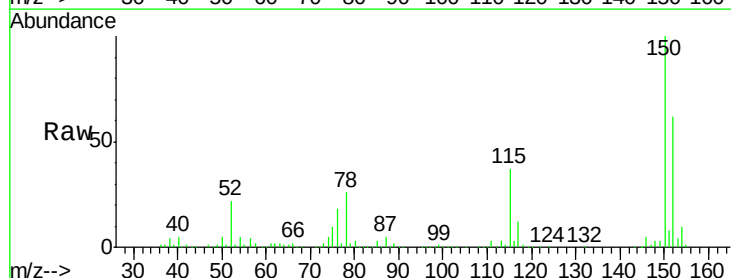
Manual Integrations
APPROVED

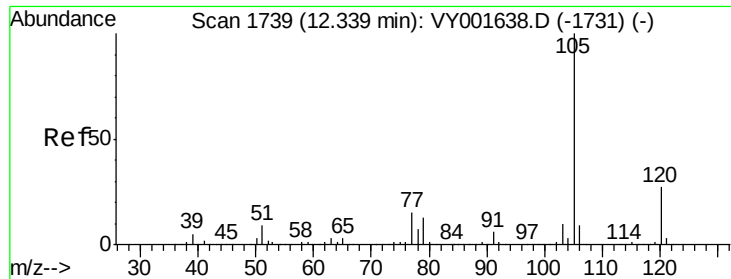
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1919
Delta R.T. -0.00 min
Lab File: VY001665.D
Acq: 18 Feb 2020 11:46

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.6	31.4	94.2
150	166.9	0.0	407.2





#73

Isopropylbenzene

Concen: 19.520 ug/l

RT: 12.34 min Scan# 1739

Delta R.T. -0.00 min

Lab File: VY001665.D

Acq: 18 Feb 2020 11:46

Instrument :

MSVOA_Y

ClientSampleId :

VY0218SBS01

Tot Ion: 105 Resp: 208528

Ion Ratio Lower Upper

105 100

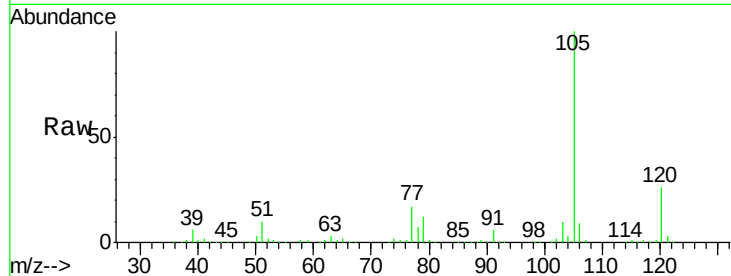
120 26.7 13.4 40.1

Manual Integrations

APPROVED

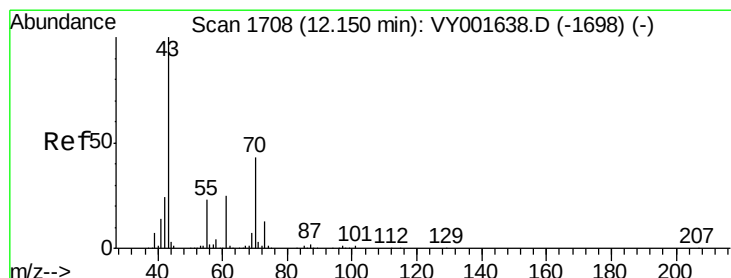
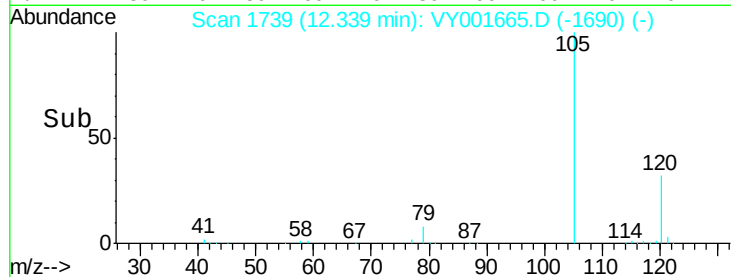
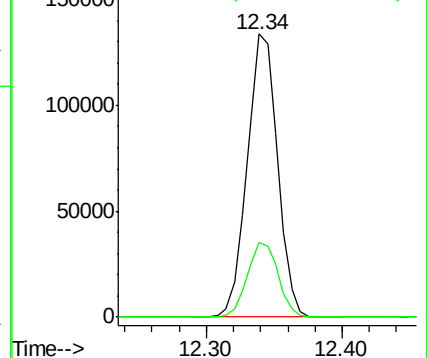
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 17.872 ug/l

RT: 12.16 min Scan# 1709

Delta R.T. 0.01 min

Lab File: VY001665.D

Acq: 18 Feb 2020 11:46

Tgt Ion: 43 Resp: 60932

Ion Ratio Lower Upper

43 100

70 42.0 35.9 53.9

55 23.0 18.3 27.5

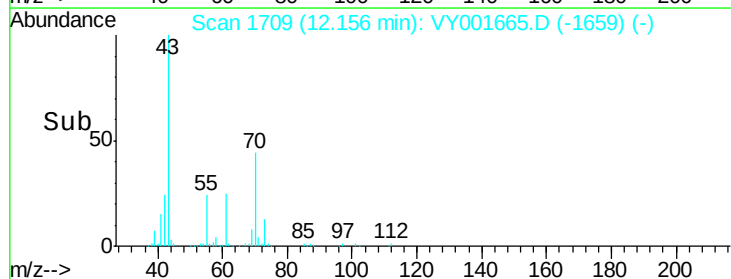
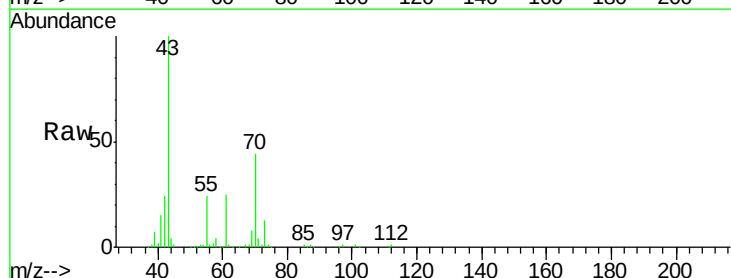
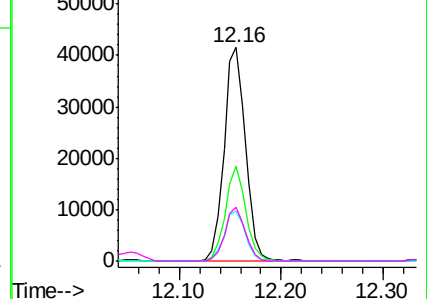
61 23.9 20.7 31.1

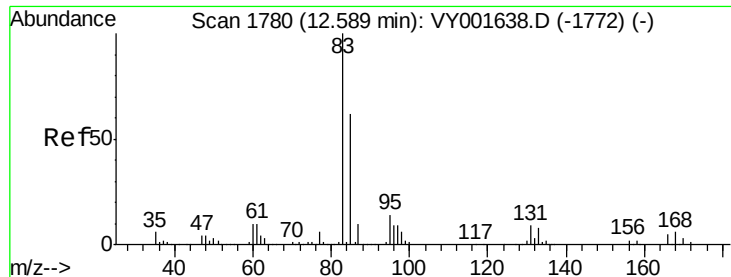
Abundance Ion 43.00 (42.70 to 43.70): VY0

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





#75

1,1,2,2-Tetrachloroethane

Concen: 17.972 ug/l

RT: 12.59 min Scan# 1781

Delta R.T. 0.01 min

Lab File: VY001665.D

Acq: 18 Feb 2020 11:46

Instrument :

MSVOA_Y

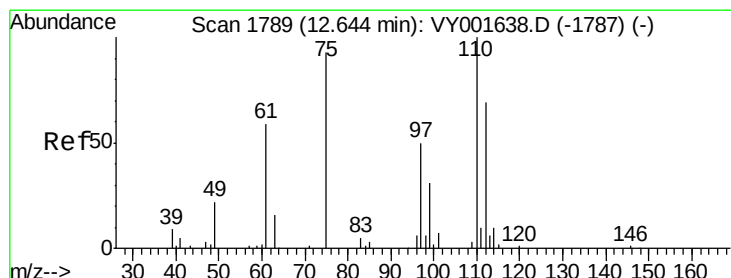
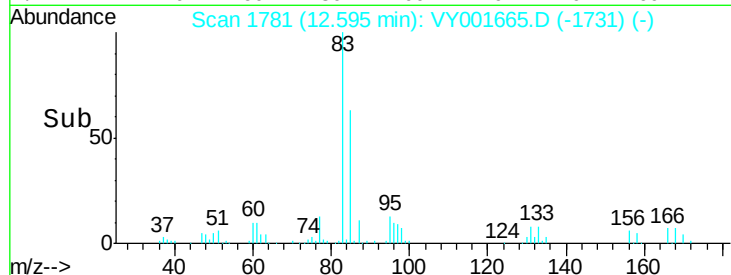
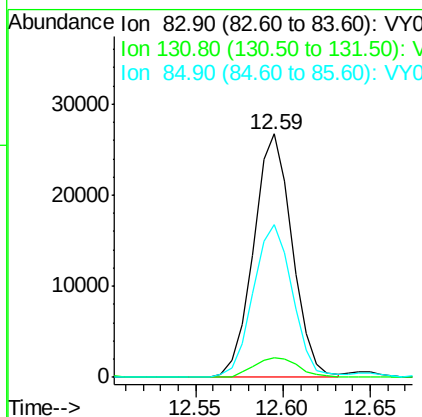
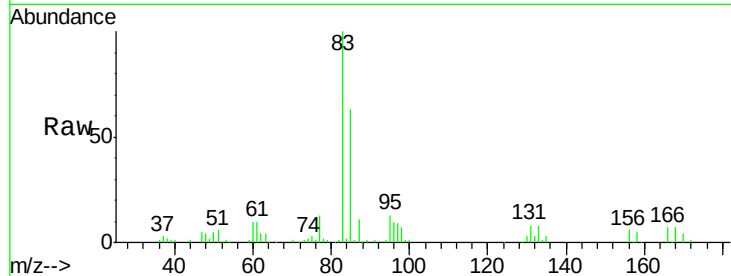
ClientSampleId :

VY0218SBS01

Tot Ion:	83	Resp:	40994
Ion Ratio	Lower	Upper	
83	100		
131	9.4	4.7	14.1
85	63.8	31.6	94.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 17.654 ug/l m

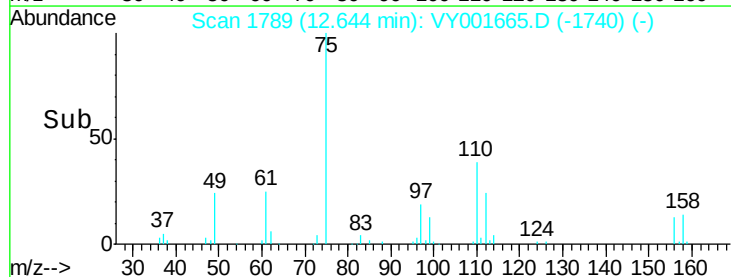
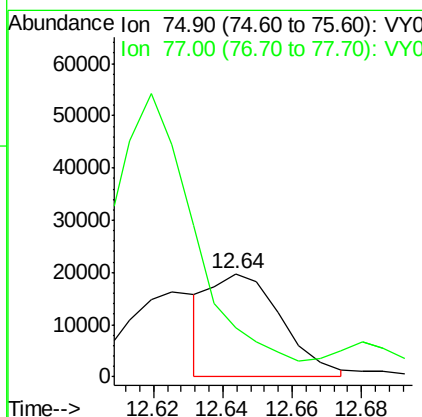
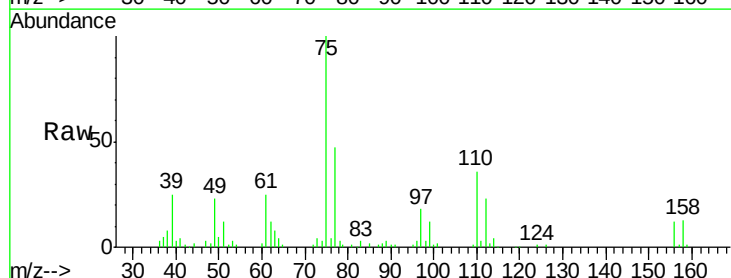
RT: 12.64 min Scan# 1789

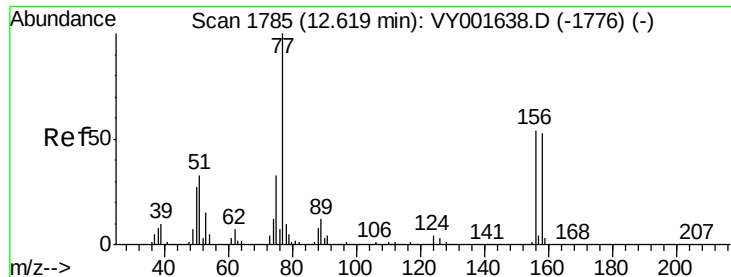
Delta R.T. 0.00 min

Lab File: VY001665.D

Acq: 18 Feb 2020 11:46

Tgt Ion:	75	Resp:	28399
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.401 ug/l

RT: 12.62 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VY001665.D

Acq: 18 Feb 2020 11:46

Instrument :

MSVOA_Y

ClientSampleId :

VY0218SBS01

Tot Ion:156 Resp: 44931

Ion Ratio Lower Upper

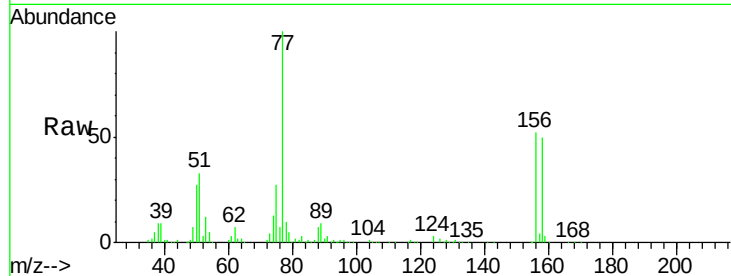
156 100

77 207.9 110.1 330.1

158 96.3 47.9 143.7

Manual Integrations
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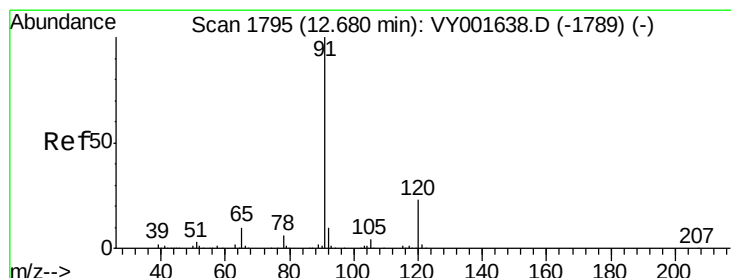
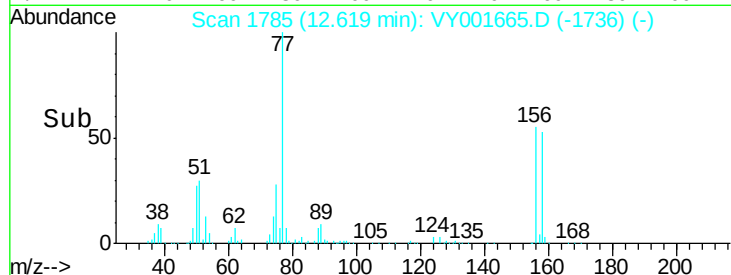
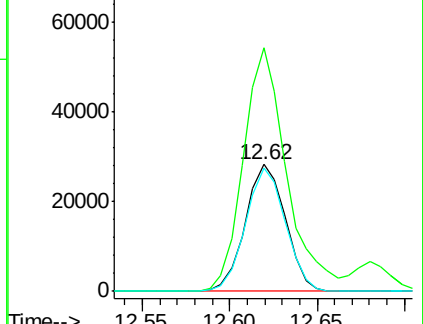
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.058 ug/l

RT: 12.68 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VY001665.D

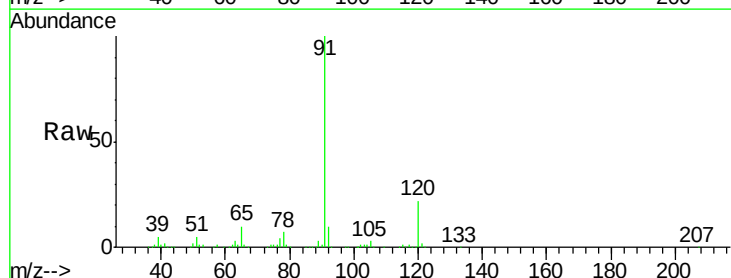
Acq: 18 Feb 2020 11:46

Tgt Ion: 91 Resp: 260967

Ion Ratio Lower Upper

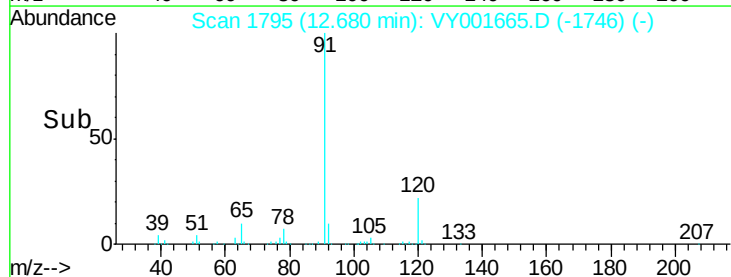
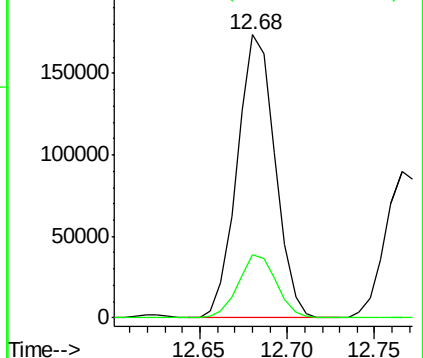
91 100

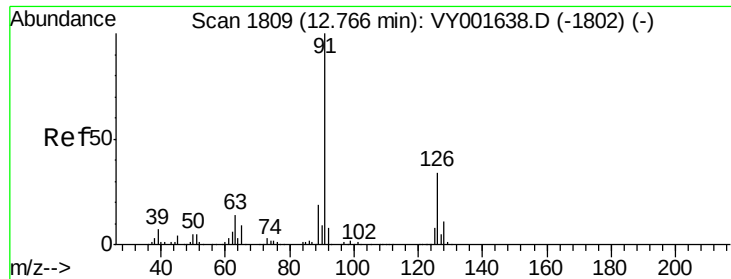
120 22.4 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.521 ug/l

RT: 12.77 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VY001665.D

Acq: 18 Feb 2020 11:46

Instrument :

MSVOA_Y

ClientSampleId :

VY0218SBS01

Tot Ion: 91 Resp: 142448

Ion Ratio Lower Upper

91 100

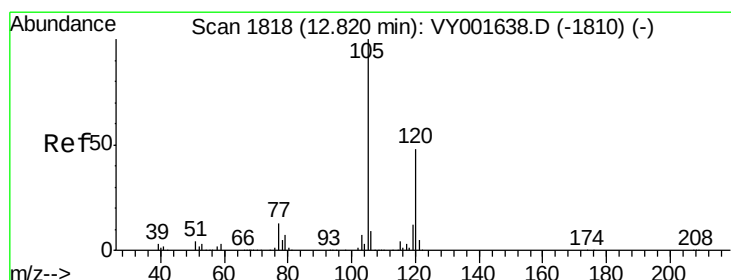
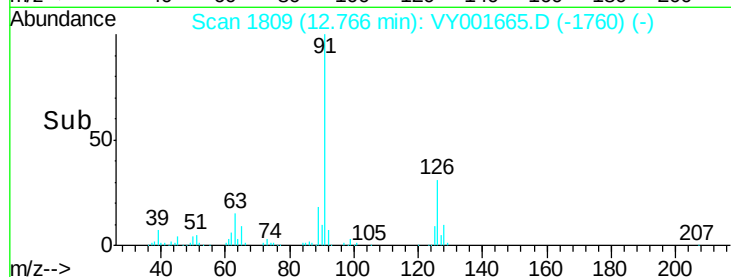
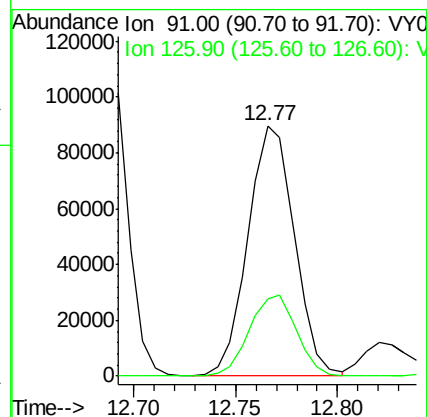
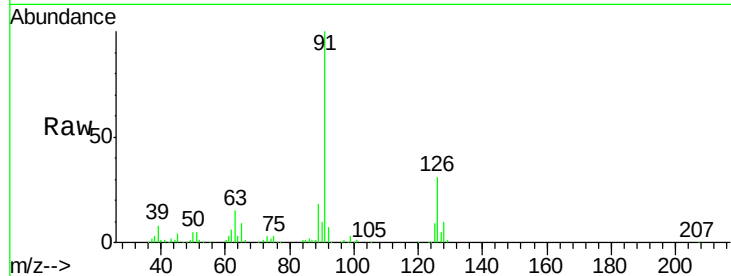
126 32.6 16.2 48.6

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 19.859 ug/l

RT: 12.82 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VY001665.D

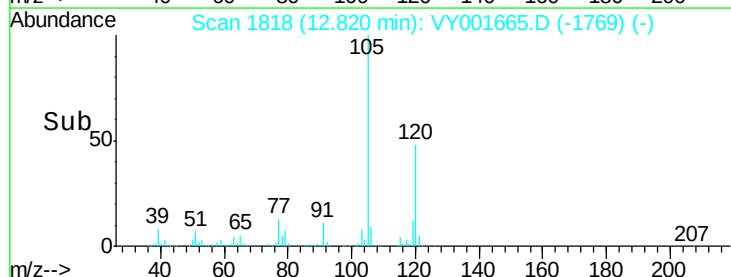
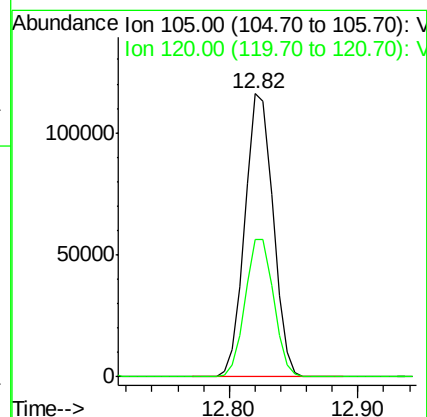
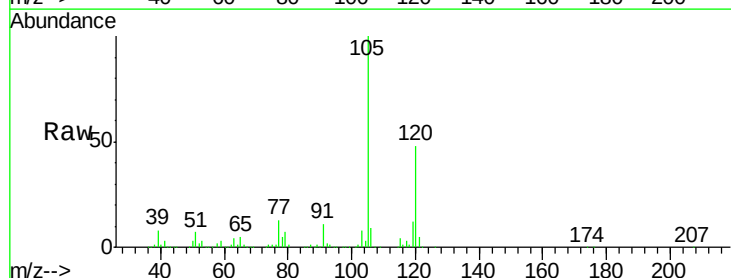
Acq: 18 Feb 2020 11:46

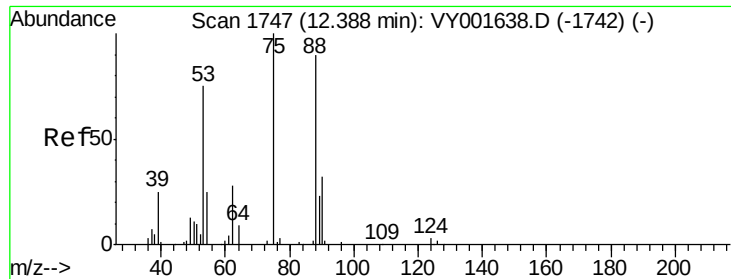
Tgt Ion: 105 Resp: 175614

Ion Ratio Lower Upper

105 100

120 48.9 24.3 72.9





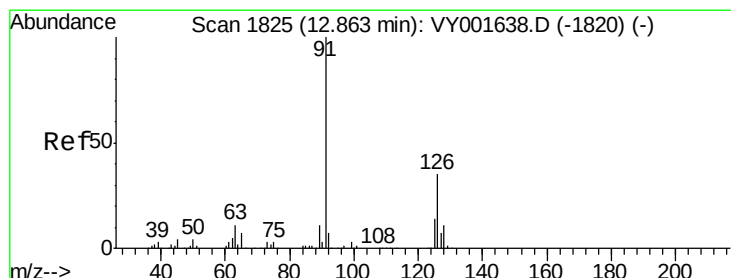
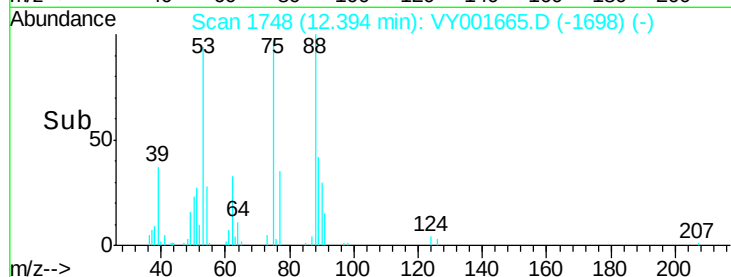
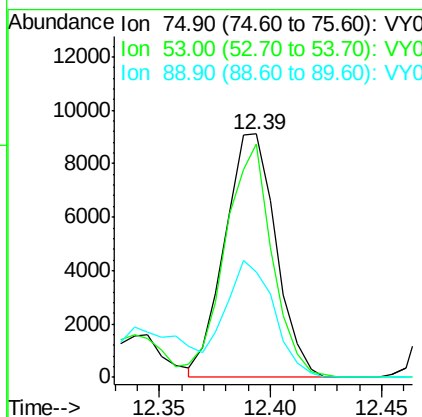
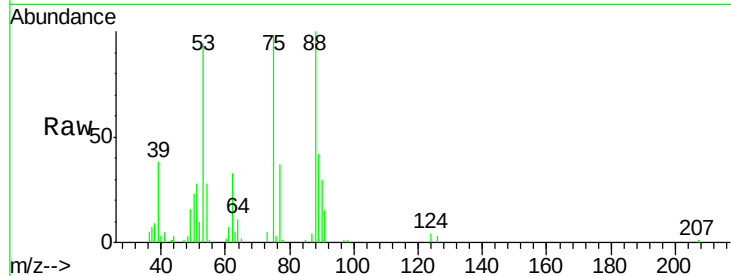
#81
trans-1,4-Dichloro-2-butene
Concen: 17.213 ug/l
RT: 12.39 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VY001665.D
Acq: 18 Feb 2020 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VY0218SBS01

Tot Ion	Ratio	Resp	Lower	Upper
75	100	14595		
53	88.9	64.5	96.7	
89	45.6	36.3	54.5	

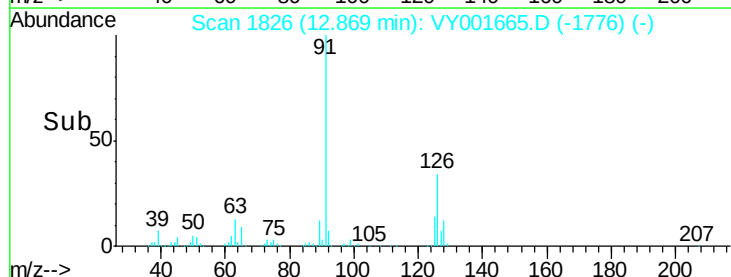
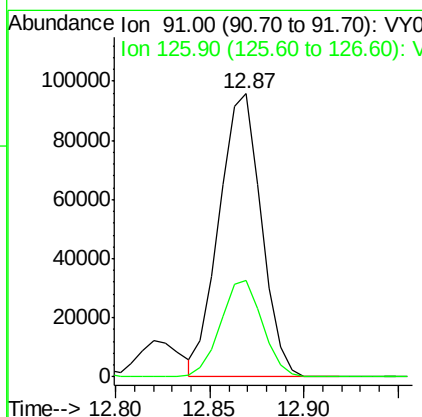
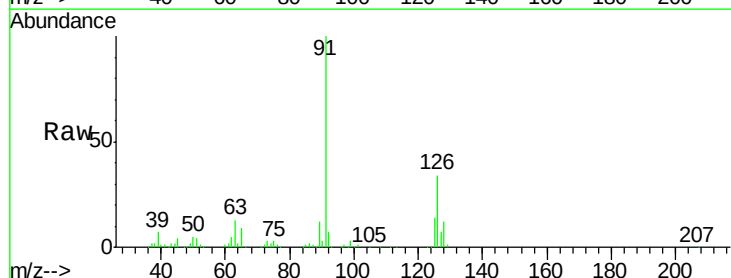
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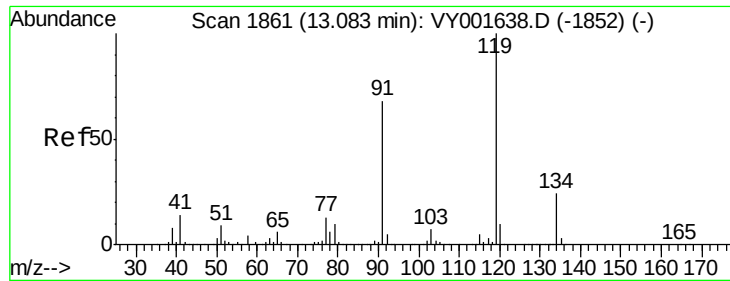
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#82
4-Chlorotoluene
Concen: 19.349 ug/l
RT: 12.87 min Scan# 1826
Delta R.T. 0.01 min
Lab File: VY001665.D
Acq: 18 Feb 2020 11:46

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	148915		
126	33.8	16.2	48.6	





#83

tert-Butylbenzene

Concen: 20.178 ug/l

RT: 13.09 min Scan# 1862

Delta R.T. 0.01 min

Lab File: VY001665.D

Acq: 18 Feb 2020 11:46

Instrument :

MSVOA_Y

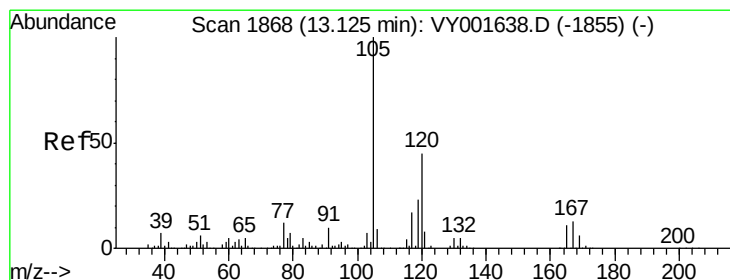
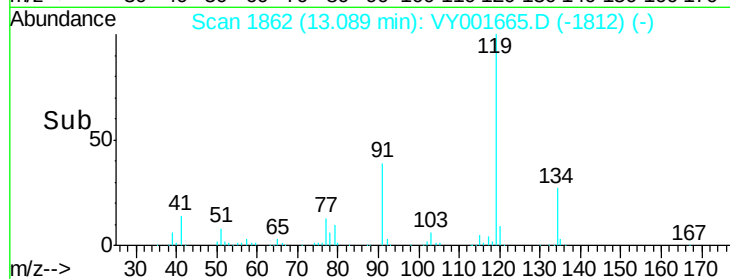
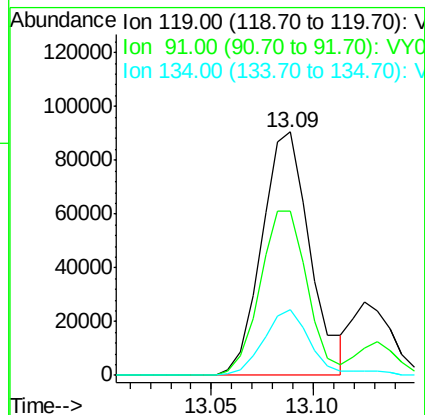
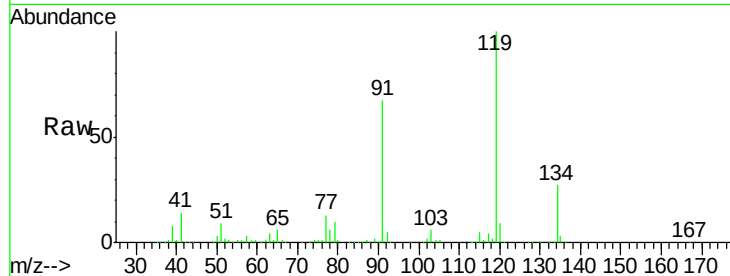
ClientSampleId :

VY0218SBS01

Tot Ion:	119	Resp:	149241
Ion Ratio	Lower	Upper	
119	100		
91	66.2	33.5	100.5
134	27.0	13.3	39.8

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 20.008 ug/l

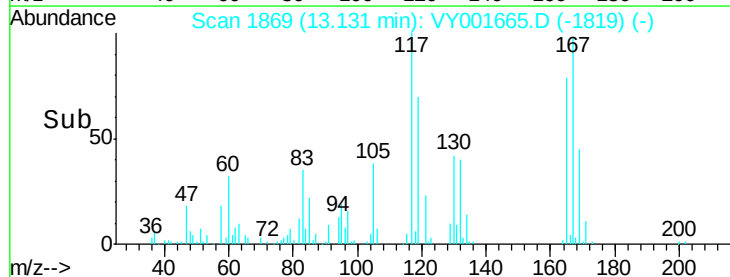
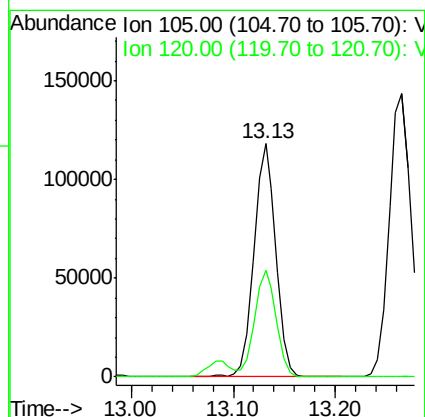
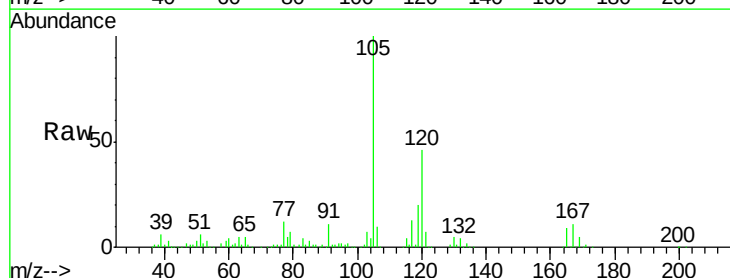
RT: 13.13 min Scan# 1869

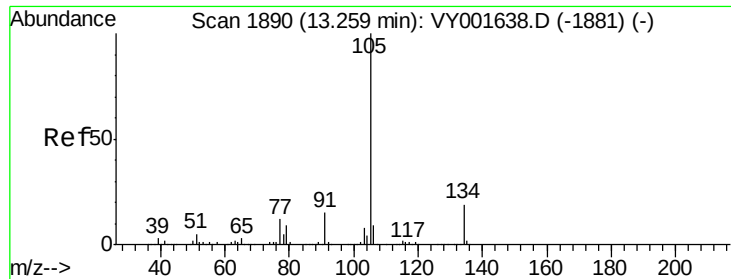
Delta R.T. 0.01 min

Lab File: VY001665.D

Acq: 18 Feb 2020 11:46

Tgt Ion:	105	Resp:	176395
Ion Ratio	Lower	Upper	
105	100		
120	44.9	22.4	67.3





#85

sec-Butylbenzene

Concen: 19.901 ug/l

RT: 13.27 min Scan# 1891

Delta R.T. 0.01 min

Lab File: VY001665.D

Acq: 18 Feb 2020 11:46

Instrument :

MSVOA_Y

ClientSampleId :

VY0218SBS01

Tot Ion:105 Resp: 216472

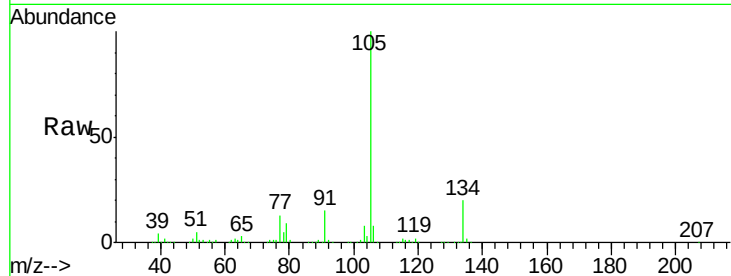
Ion Ratio Lower Upper

105 100

134 19.9 9.8 29.3

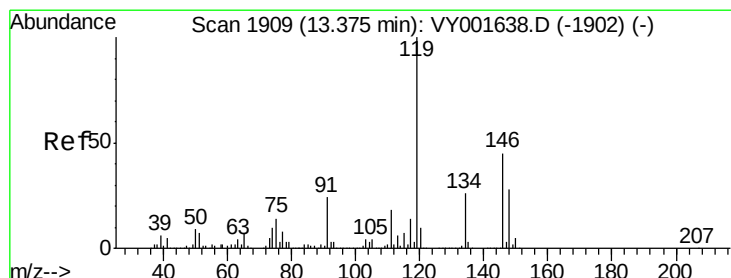
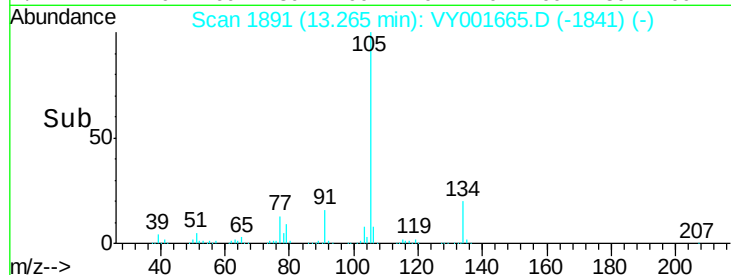
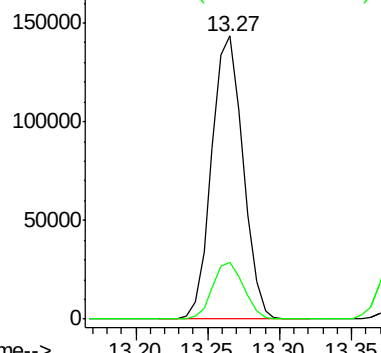
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.054 ug/l

RT: 13.38 min Scan# 1910

Delta R.T. 0.01 min

Lab File: VY001665.D

Acq: 18 Feb 2020 11:46

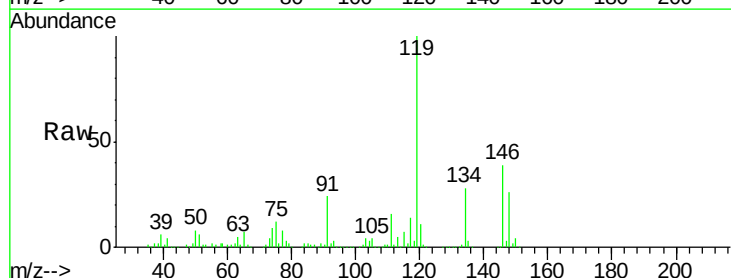
Tgt Ion:119 Resp: 189502

Ion Ratio Lower Upper

119 100

134 26.9 13.0 39.0

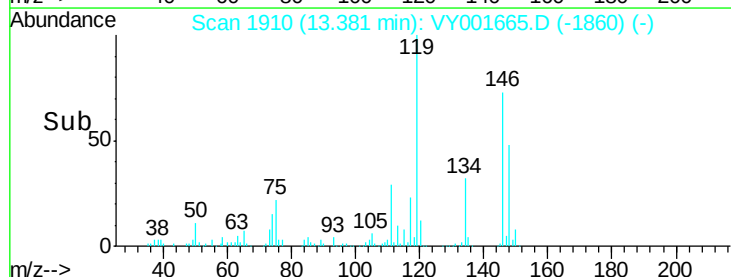
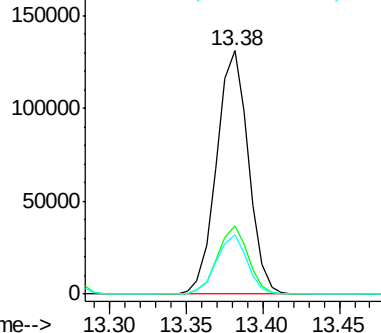
91 23.4 12.2 36.6

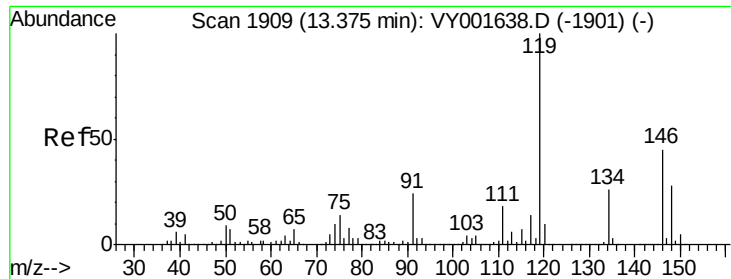


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0





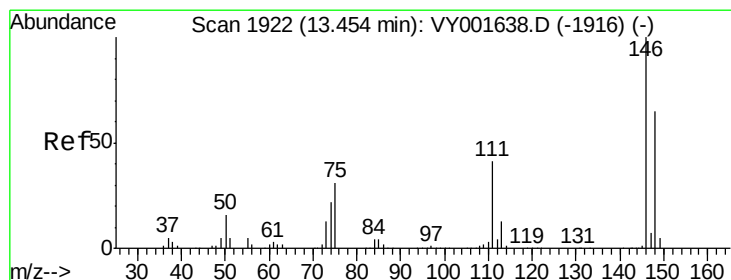
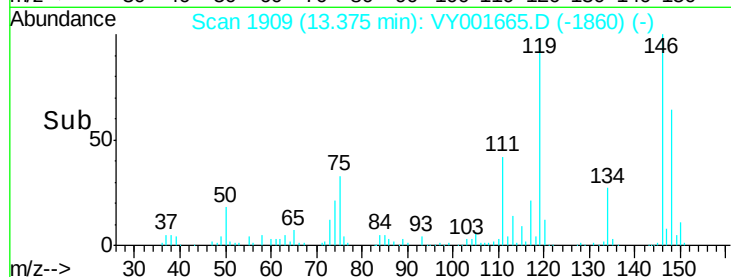
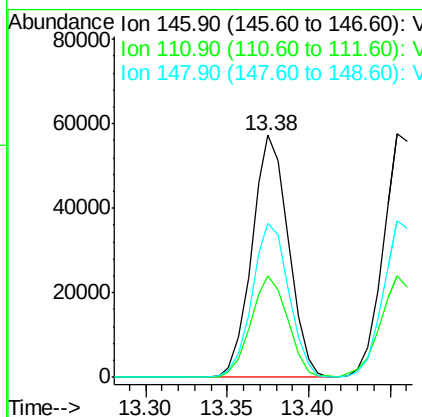
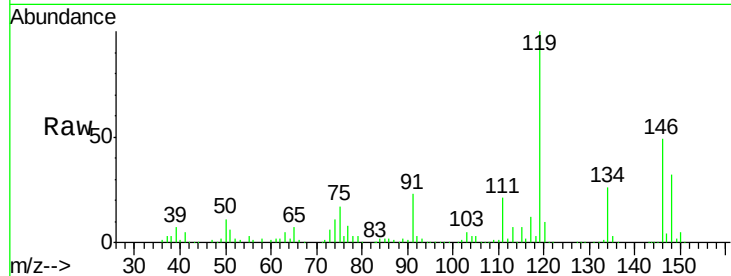
#87
 1,3-Dichlorobenzene
 Concen: 19.777 ug/l
 RT: 13.38 min Scan# 1909
 Delta R.T. -0.00 min
 Lab File: VY001665.D
 Acq: 18 Feb 2020 11:46

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0218SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.4	64.3
148	63.9	31.6	94.7

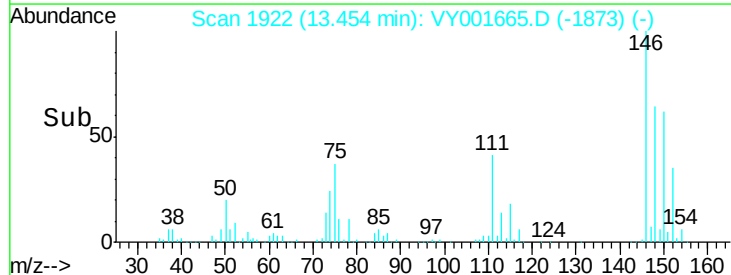
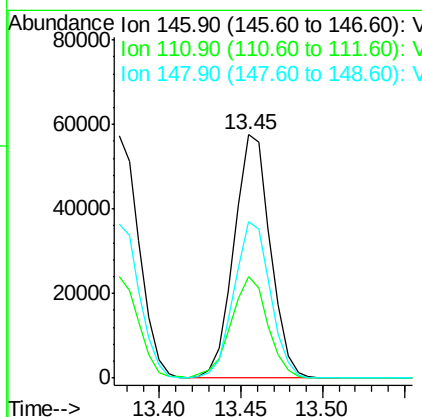
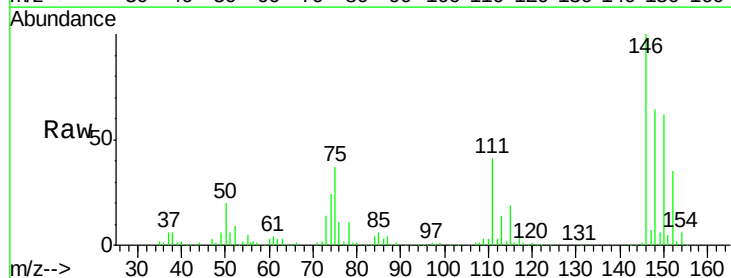
Manual Integrations
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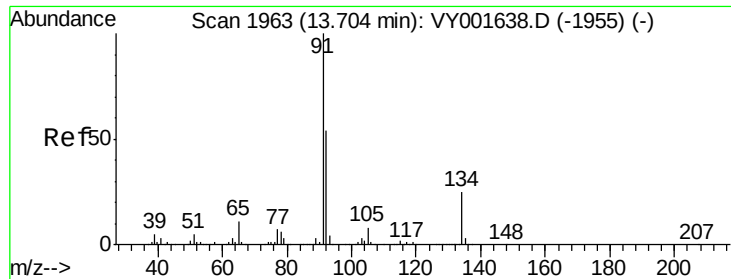
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 2/19/2020 1:42:52 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.658 ug/l
 RT: 13.45 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VY001665.D
 Acq: 18 Feb 2020 11:46

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.2	20.4	61.3
148	64.4	31.6	94.7





#89

n-Butylbenzene

Concen: 19.966 ug/l

RT: 13.70 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VY001665.D

Acq: 18 Feb 2020 11:46

Instrument :

MSVOA_Y

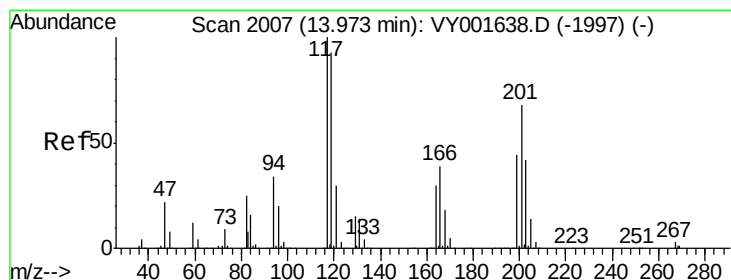
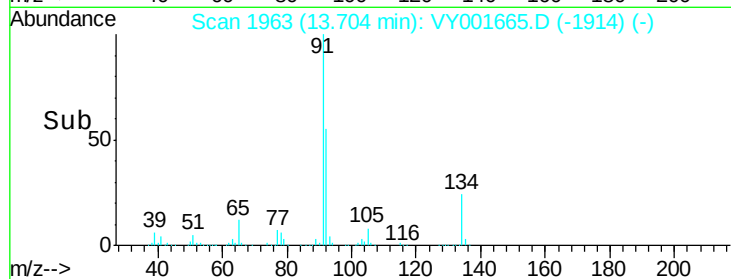
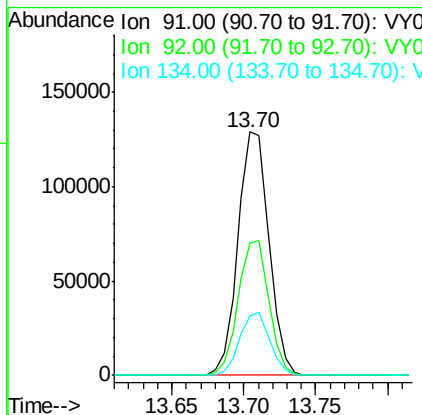
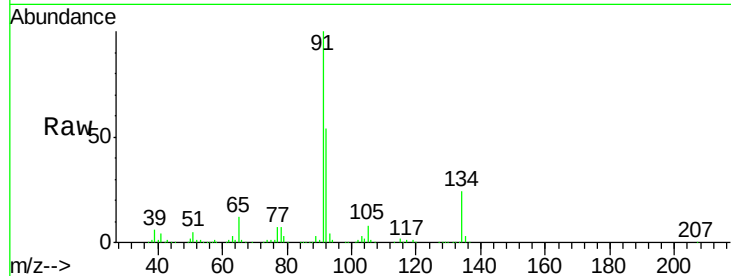
ClientSampleId :

VY0218SBS01

Tot Ion:	91	Resp:	192792
Ion Ratio	Lower	Upper	
91	100		
92	54.8	27.5	82.4
134	25.3	12.4	37.4

Manual Integrations
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#90

Hexachloroethane

Concen: 19.432 ug/l

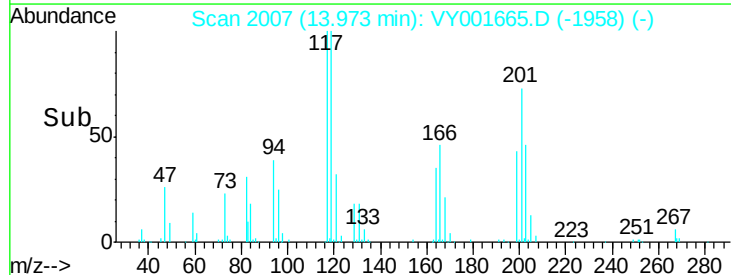
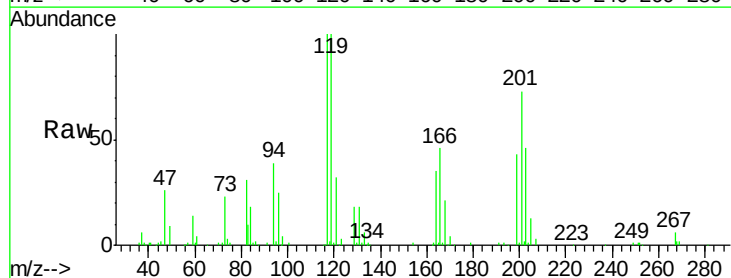
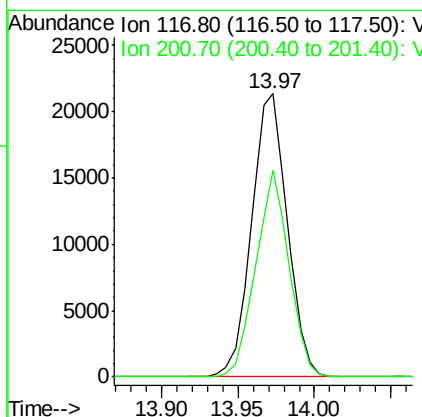
RT: 13.97 min Scan# 2007

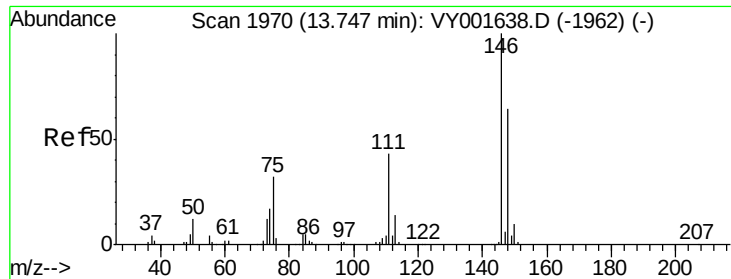
Delta R.T. 0.00 min

Lab File: VY001665.D

Acq: 18 Feb 2020 11:46

Tgt Ion:	117	Resp:	34597
Ion Ratio	Lower	Upper	
117	100		
201	68.0	32.5	97.4





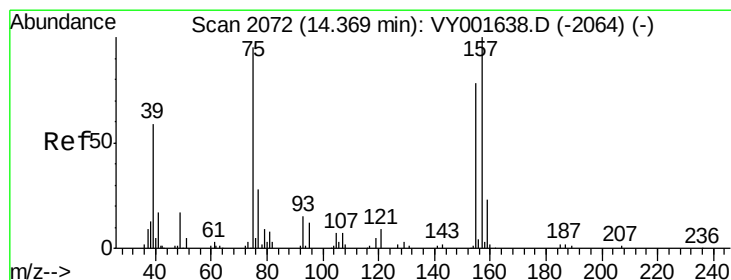
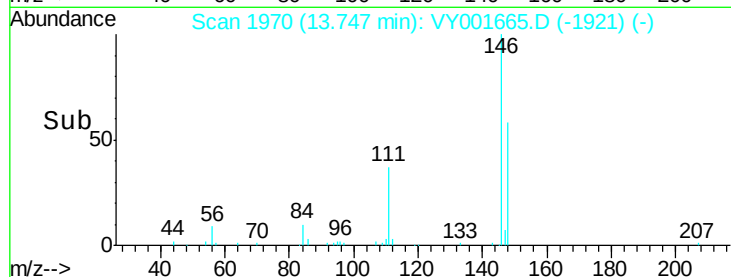
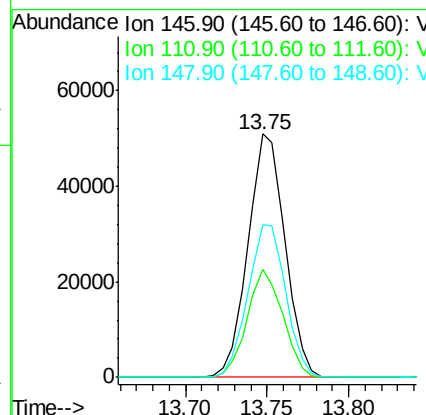
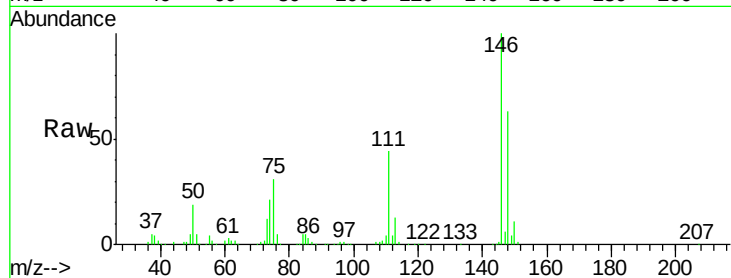
#91
 1,2-Dichlorobenzene
 Concen: 19.444 ug/l
 RT: 13.75 min Scan# 1970
 Delta R.T. -0.00 min
 Lab File: VY001665.D
 Acq: 18 Feb 2020 11:46

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0218SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.9	65.7
148	64.0	31.5	94.5

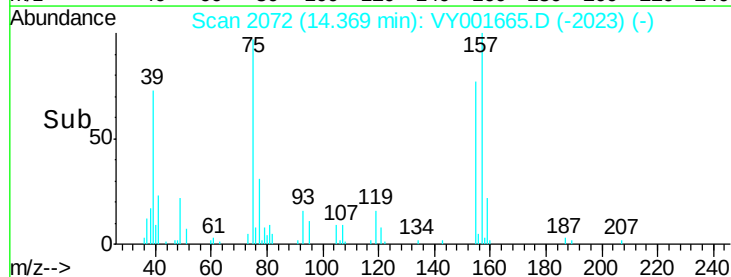
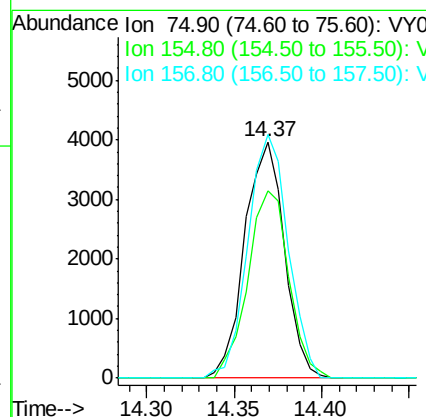
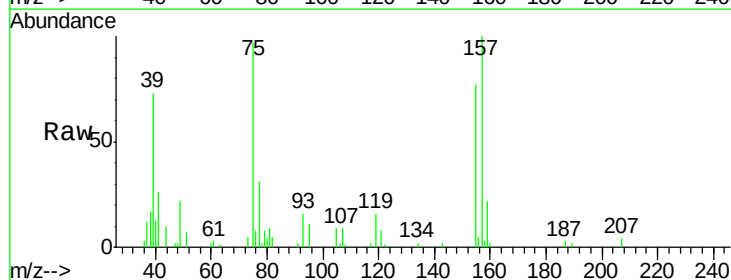
Manual Integrations
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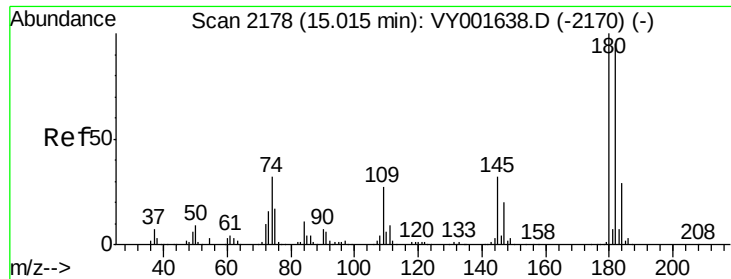
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.632 ug/l
 RT: 14.37 min Scan# 2072
 Delta R.T. 0.00 min
 Lab File: VY001665.D
 Acq: 18 Feb 2020 11:46

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.7	40.8	122.4
157	104.4	52.1	156.4





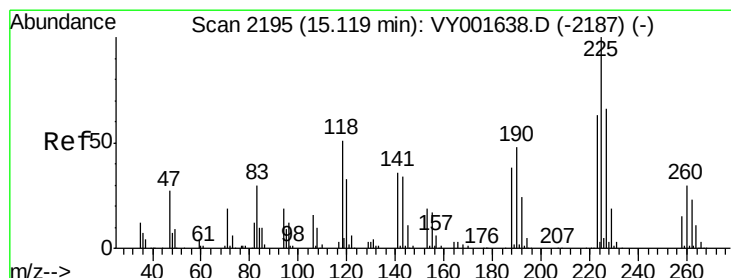
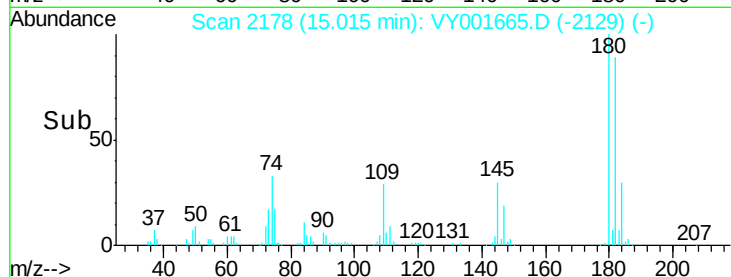
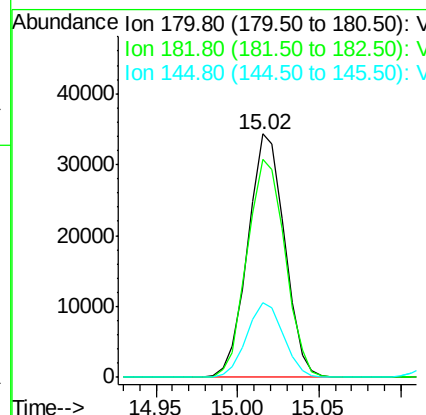
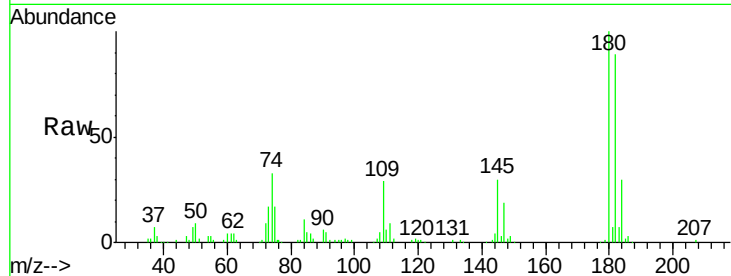
#93
1,2,4-Trichlorobenzene
Concen: 19.630 ug/l
RT: 15.02 min Scan# 2178
Delta R.T. -0.00 min
Lab File: VY001665.D
Acq: 18 Feb 2020 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VY0218SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.8	46.8	140.3
145	30.8	16.2	48.5

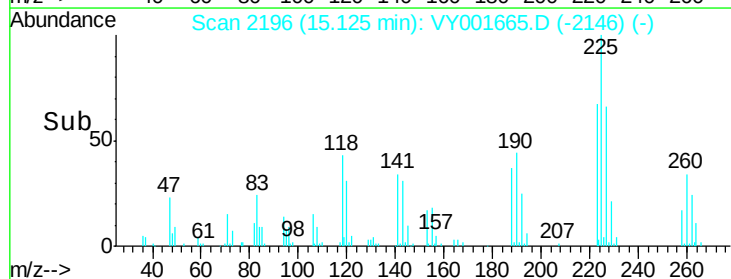
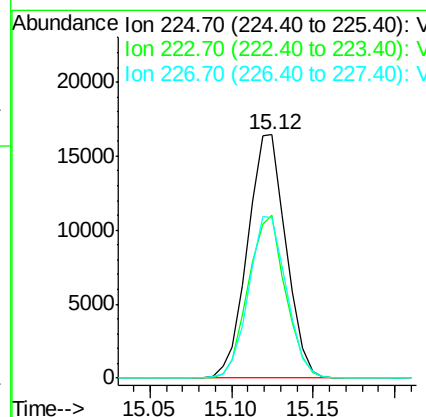
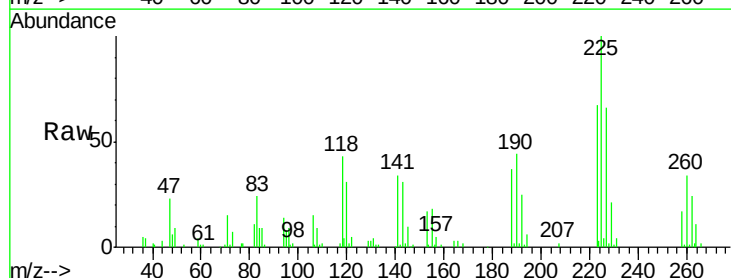
Manual Integrations
APPROVED

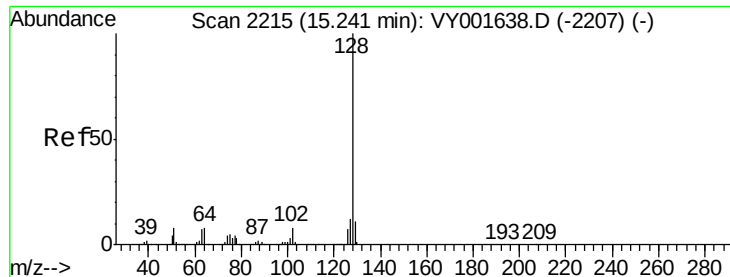
MMDadoda
2/19/2020 1:42:52 PM



#94
Hexachlorobutadiene
Concen: 19.685 ug/l
RT: 15.12 min Scan# 2196
Delta R.T. 0.01 min
Lab File: VY001665.D
Acq: 18 Feb 2020 11:46

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.8	31.4	94.0
227	65.5	31.6	94.8





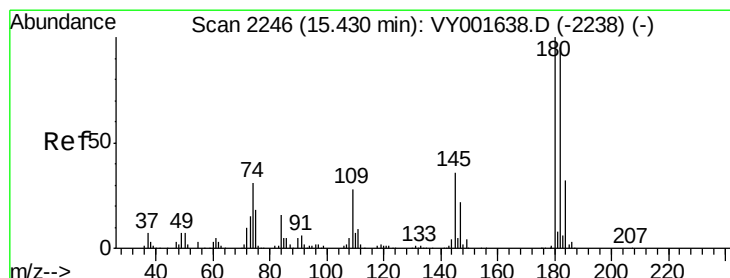
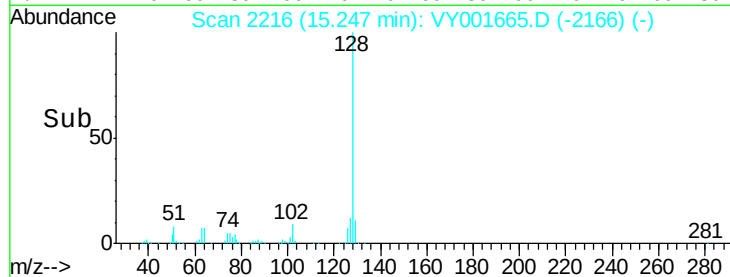
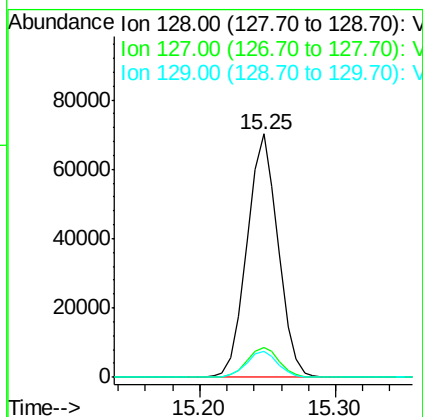
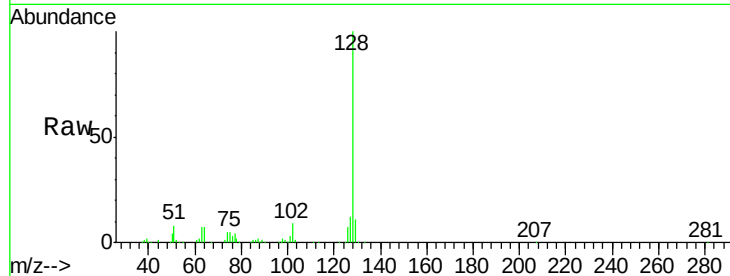
#95
Naphthalene
Concen: 17.757 ug/l
RT: 15.25 min Scan# 2216
Delta R.T. 0.01 min
Lab File: VY001665.D
Acq: 18 Feb 2020 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VY0218SBS01

Tot Ion:	128	Resp:	112461
Ion Ratio	Lower	Upper	
128	100		
127	12.8	9.9	14.9
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
2/19/2020 1:42:52 PM



#96
1,2,3-Trichlorobenzene
Concen: 18.978 ug/l
RT: 15.44 min Scan# 2247
Delta R.T. 0.01 min
Lab File: VY001665.D
Acq: 18 Feb 2020 11:46

Tgt Ion:	180	Resp:	45860
Ion Ratio	Lower	Upper	
180	100		
182	93.7	47.2	141.6
145	32.9	17.3	52.0

