

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021720\
 Data File : VY001646.D
 Acq On : 17 Feb 2020 15:16
 Operator : SY/MD
 Sample : VY0217SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0217SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/19/2020 10:49:39 AM

Quant Time: Feb 17 16:06:23 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	7.80	168	202725	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.70	114	352959	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.49	117	312403	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.43	152	151886	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	113800	52.19	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	104.38%	
35) Dibromofluoromethane	7.73	113	103078	50.99	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	101.98%	
50) Toluene-d8	10.19	98	432508	54.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.22%	
62) 4-Bromofluorobenzene	12.49	95	152386	49.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.06%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.91	85	34431	17.424	ug/l	100
3) Chloromethane	2.12	50	49003	18.436	ug/l	99
4) Vinyl Chloride	2.26	62	49328	18.400	ug/l	99
5) Bromomethane	2.65	94	33091	19.750	ug/l	99
6) Chloroethane	2.80	64	31343	18.973	ug/l	97
7) Trichlorofluoromethane	3.13	101	65628	19.127	ug/l	98
8) Diethyl Ether	3.54	74	24844	18.367	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.91	101	40847	18.940	ug/l	98
10) Methyl Iodide	4.11	142	48170	18.250	ug/l	100
11) Tert butyl alcohol	4.96	59	36078	130.734	ug/l #	93
12) 1,1-Dichloroethene	3.88	96	42180	19.176	ug/l	96
13) Acrolein	3.74	56	22358	101.521	ug/l	99
14) Allyl chloride	4.49	41	73358	18.739	ug/l	97
15) Acrylonitrile	5.19	53	63643	91.794	ug/l	99
16) Acetone	3.96	43	62663	83.051	ug/l	97
17) Carbon Disulfide	4.21	76	136225	18.550	ug/l	99
18) Methyl Acetate	4.49	43	29621	18.027	ug/l	98
19) Methyl tert-butyl Ether	5.24	73	113611	18.551	ug/l	96
20) Methylene Chloride	4.74	84	51345	19.158	ug/l	98
21) trans-1,2-Dichloroethene	5.24	96	46572	18.558	ug/l	99
22) Diisopropyl ether	6.14	45	149960	18.653	ug/l	97
23) Vinyl Acetate	6.08	43	486278	92.732	ug/l	99
24) 1,1-Dichloroethane	6.04	63	80664	18.773	ug/l	100
25) 2-Butanone	7.00	43	89334	87.157	ug/l	97
26) 2,2-Dichloropropane	7.00	77	70810	18.942	ug/l	99
27) cis-1,2-Dichloroethene	7.00	96	51311	18.523	ug/l	100
28) Bromochloromethane	7.35	49	33249	18.576	ug/l	98
29) Tetrahydrofuran	7.36	42	56723	91.560	ug/l	98
30) Chloroform	7.52	83	77522	18.465	ug/l	99
31) Cyclohexane	7.80	56	86536	18.889	ug/l	96
32) 1,1,1-Trichloroethane	7.72	97	66589	18.871	ug/l	98
36) 1,1-Dichloropropene	7.93	75	65845	19.530	ug/l	99
37) Ethyl Acetate	7.09	43	37868	18.819	ug/l	100
38) Carbon Tetrachloride	7.91	117	57447	19.399	ug/l	91

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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	9.19	83	87045	19.461	ug/l	98
40) Benzene	8.17	78	190686	19.231	ug/l	99
41) Methacrylonitrile	7.33	41	21128m	20.911	ug/l	
42) 1,2-Dichloroethane	8.25	62	52564	19.459	ug/l	99
43) Isopropyl Acetate	8.28	43	71054	18.610	ug/l	98
44) Trichloroethene	8.95	130	48093	19.430	ug/l	98
45) 1,2-Dichloropropane	9.22	63	48226	19.420	ug/l	97
46) Dibromomethane	9.31	93	24900	19.171	ug/l	99
47) Bromodichloromethane	9.50	83	60030	19.150	ug/l	99
48) Methyl methacrylate	9.30	41	32448	18.792	ug/l	98
49) 1,4-Dioxane	9.30	88	6819	371.714	ug/l	93
51) 4-Methyl-2-Pentanone	10.08	43	185807	94.721	ug/l	98
52) Toluene	10.25	92	120034	19.407	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	65223	18.821	ug/l	100
54) cis-1,3-Dichloropropene	9.94	75	75641	18.965	ug/l	97
55) 1,1,2-Trichloroethane	10.65	97	36329	18.969	ug/l	98
56) Ethyl methacrylate	10.52	69	52987	18.442	ug/l	94
57) 1,3-Dichloropropane	10.80	76	65309	19.192	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.79	63	141633	121.231	ug/l	100
59) 2-Hexanone	10.84	43	135152	91.825	ug/l	97
60) Dibromochloromethane	10.99	129	40058	18.971	ug/l	99
61) 1,2-Dibromoethane	11.10	107	34948	19.299	ug/l	99
64) Tetrachloroethene	10.72	164	38902	19.837	ug/l	94
65) Chlorobenzene	11.52	112	122760	19.682	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	42079	20.000	ug/l	98
67) Ethyl Benzene	11.60	91	231134	19.969	ug/l	98
68) m/p-Xylenes	11.70	106	171562	39.680	ug/l	99
69) o-Xylene	12.03	106	80321	19.541	ug/l	99
70) Styrene	12.05	104	139929	19.588	ug/l	100
71) Bromoform	12.21	173	22624	18.816	ug/l #	100
73) Isopropylbenzene	12.33	105	217189	18.770	ug/l	100
74) N-amyl acetate	12.14	43	67847	18.373	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.59	83	45181	18.287	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	29479m	16.919	ug/l	
77) Bromobenzene	12.61	156	47771	19.045	ug/l	95
78) n-propylbenzene	12.67	91	269382	19.115	ug/l	99
79) 2-Chlorotoluene	12.76	91	150378	19.026	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	184437	19.256	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	16784	18.276	ug/l	94
82) 4-Chlorotoluene	12.86	91	159136	19.090	ug/l	98
83) tert-Butylbenzene	13.08	119	151151	18.868	ug/l	98
84) 1,2,4-Trimethylbenzene	13.13	105	183475	19.214	ug/l	100
85) sec-Butylbenzene	13.26	105	224530	19.057	ug/l	100
86) p-Isopropyltoluene	13.37	119	197455	19.292	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	92934	19.104	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	93686	19.052	ug/l	99
89) n-Butylbenzene	13.70	91	201606	19.277	ug/l	100
90) Hexachloroethane	13.96	117	35904	18.618	ug/l	97
91) 1,2-Dichlorobenzene	13.74	146	84280	18.773	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	7280	17.855	ug/l	99

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Misc : 5.00G/5ML/MSVOA Y/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0217SBSD01

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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)
93) 1,2,4-Trichlorobenzene	15.01	180	56035	18.835	ug/l	99
94) Hexachlorobutadiene	15.11	225	28066	18.969	ug/l	100
95) Naphthalene	15.24	128	122985	17.929	ug/l	98
96) 1,2,3-Trichlorobenzene	15.42	180	48619	18.576	ug/l	99

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

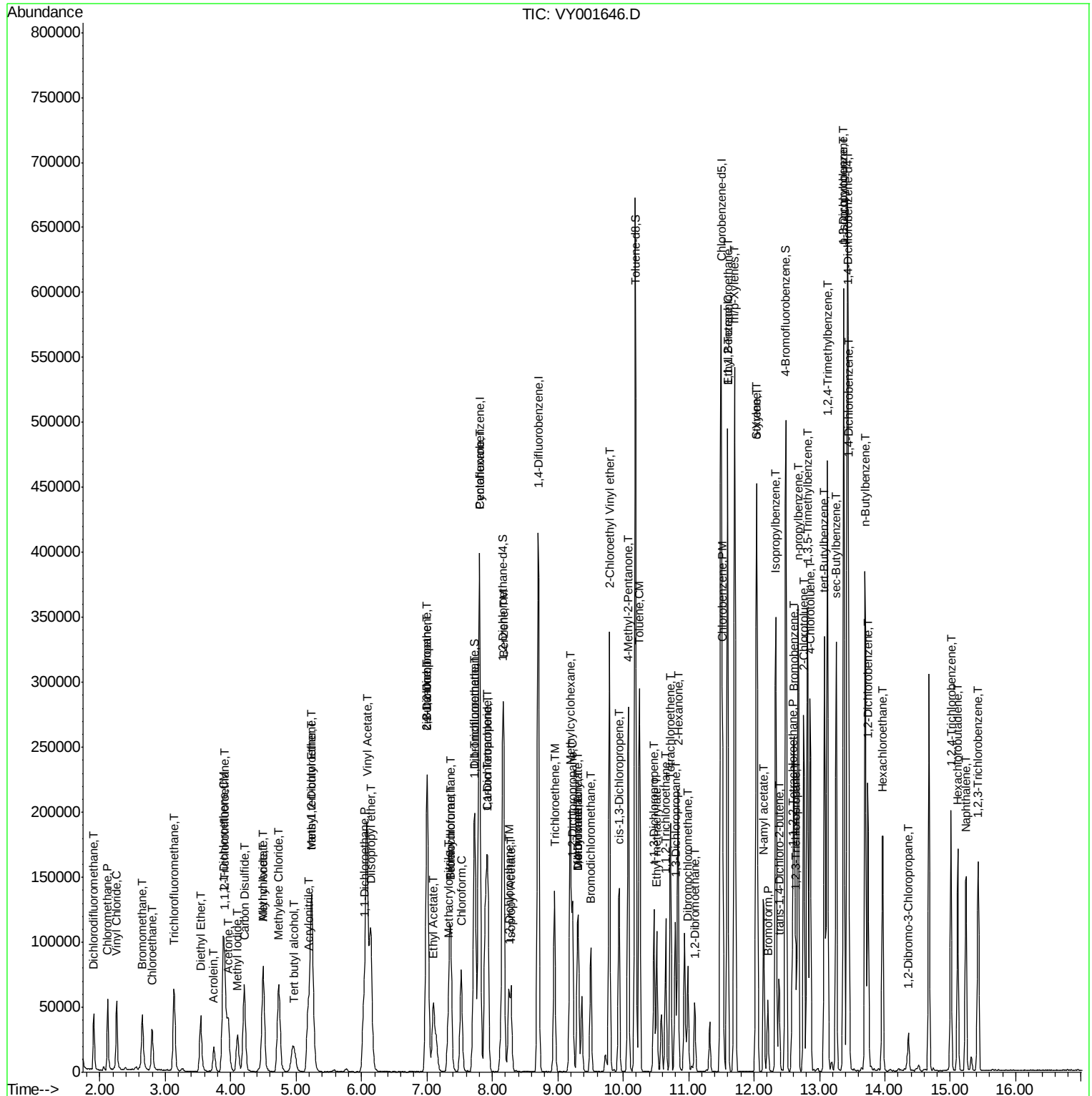
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Data File : VY001646.D
Acq On : 17 Feb 2020 15:16
Operator : SY/MD
Sample : VY0217SBSD01
Misc : 5.00G/5ML/MSVOA Y/SOIL
ALS Vial : 14 Sample Multiplier: 1

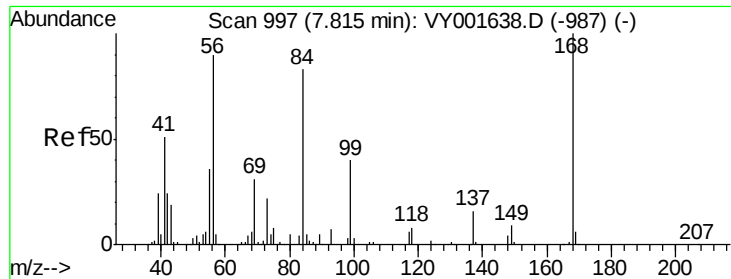
Instrument :
MSVOA_Y
ClientSampleId :
VY0217SBSD01

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.01 min

Lab File: VY001646.D

Acq: 17 Feb 2020 15:16

Instrument :

MSVOA_Y

ClientSampleId :

VY0217SBS01

Tot Ion:168 Resp: 202725

Ion Ratio Lower Upper

168 100

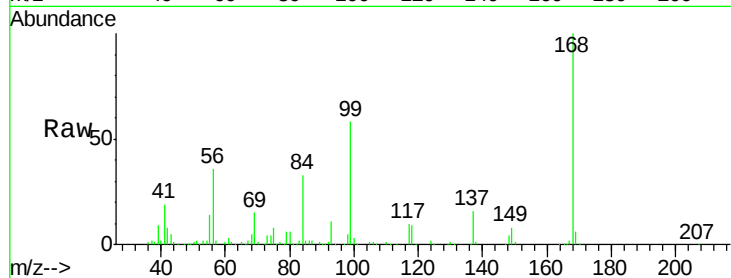
99 57.6 47.5 71.3

Manual Integrations

APPROVED

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2/19/2020 10:49:39 AM



Abundance Ion 167.90 (167.60 to 168.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

7.80

80000

60000

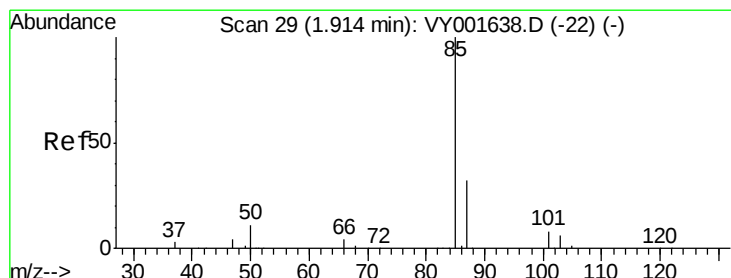
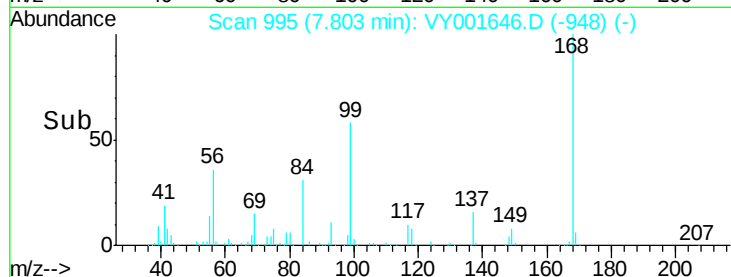
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 17.424 ug/l

RT: 1.91 min Scan# 28

Delta R.T. -0.01 min

Lab File: VY001646.D

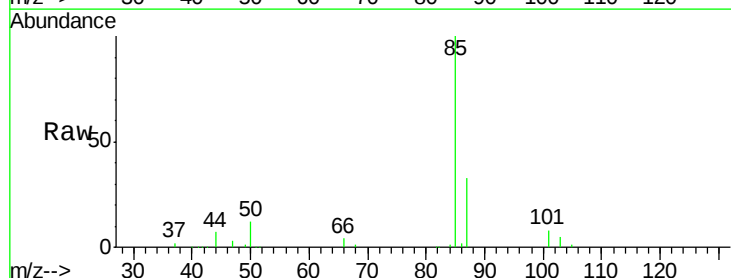
Acq: 17 Feb 2020 15:16

Tgt Ion: 85 Resp: 34431

Ion Ratio Lower Upper

85 100

87 32.6 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VY0

Ion 86.90 (86.60 to 87.60): VY0

1.91

25000

20000

15000

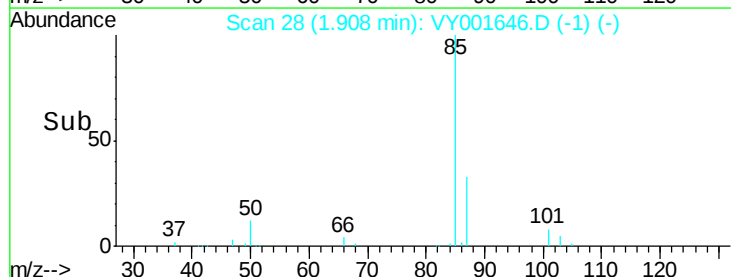
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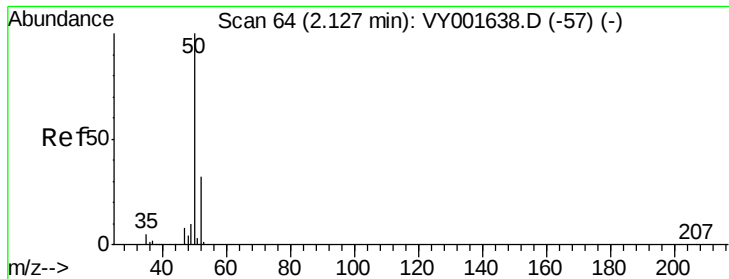
5000

0

1.85 1.90 1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 18.436 ug/l

RT: 2.12 min Scan# 63

Delta R.T. -0.01 min

Lab File: VY001646.D

Acq: 17 Feb 2020 15:16

Instrument :

MSVOA_Y

ClientSampleId :

VY0217SBS01

Tot Ion: 50 Resp: 49003

Ion Ratio Lower Upper

50 100

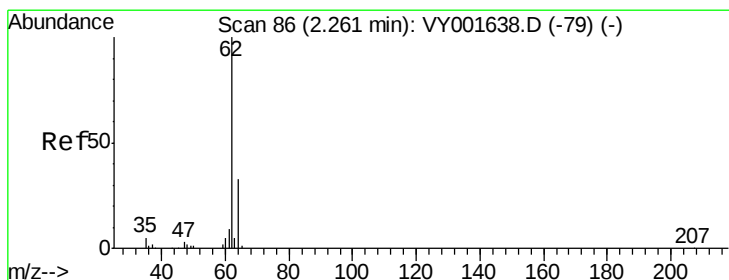
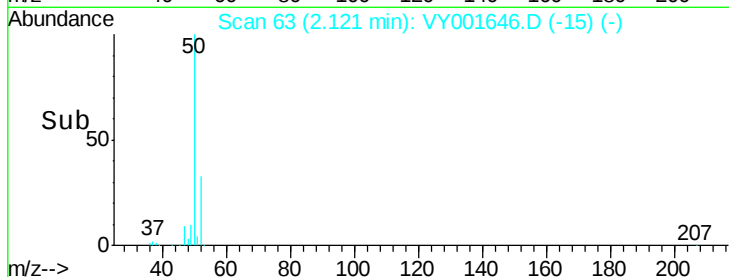
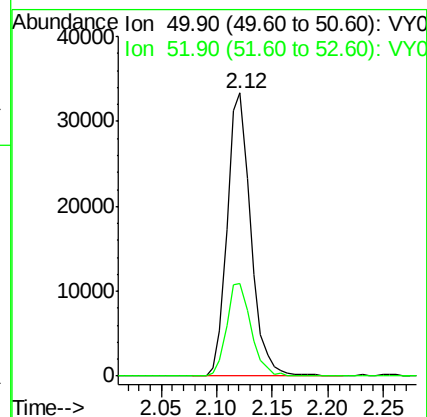
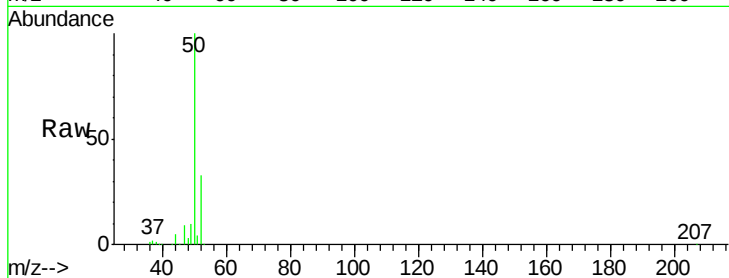
52 32.9 25.8 38.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.400 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.01 min

Lab File: VY001646.D

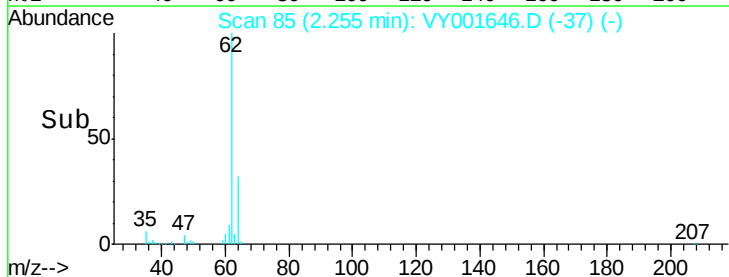
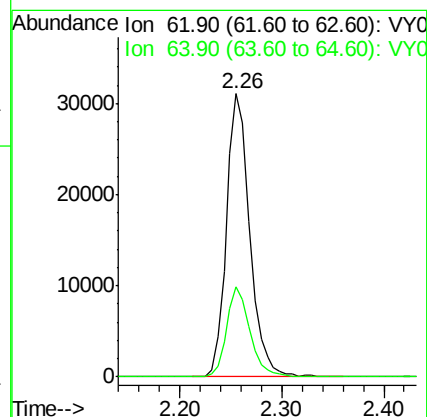
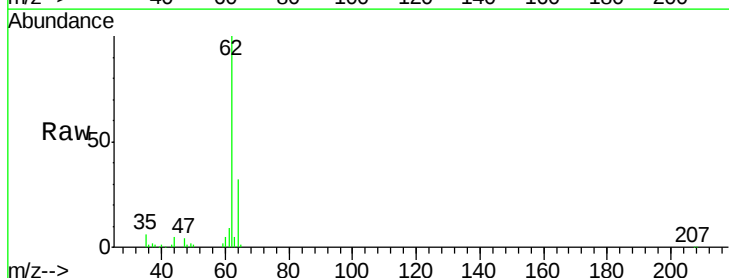
Acq: 17 Feb 2020 15:16

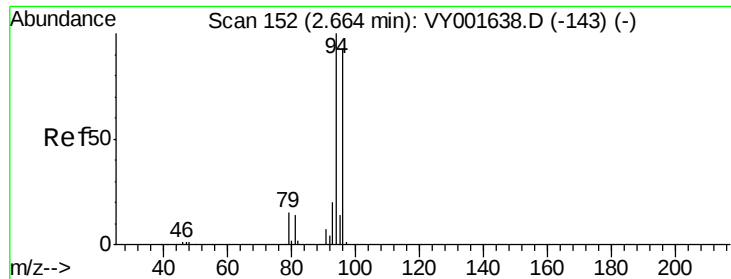
Tgt Ion: 62 Resp: 49328

Ion Ratio Lower Upper

62 100

64 31.7 24.9 37.3





#5

Bromomethane

Concen: 19.750 ug/l

RT: 2.65 min Scan# 150

Delta R.T. -0.01 min

Lab File: VY001646.D

Acq: 17 Feb 2020 15:16

Instrument :

MSVOA_Y

ClientSampleId :

VY0217SBS01

Tot Ion: 94 Resp: 33091

Ion Ratio Lower Upper

94 100

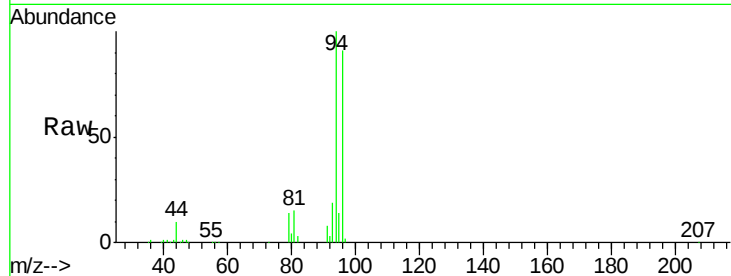
96 91.4 73.7 110.5

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0

2.65

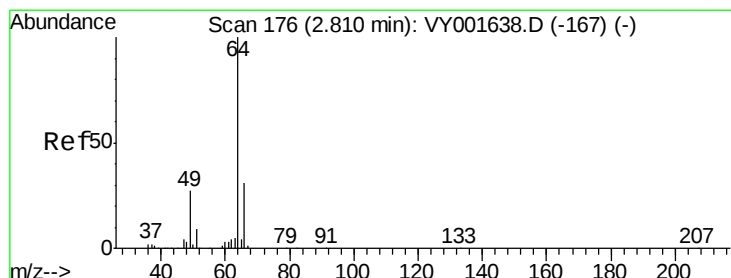
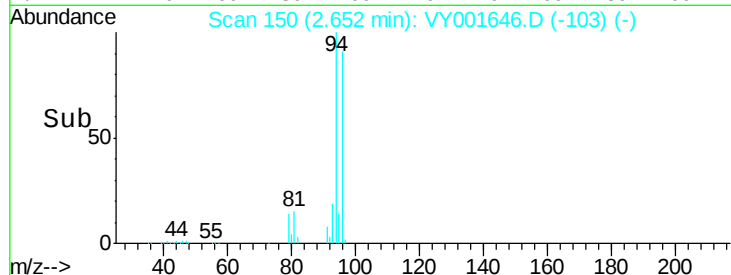
15000

10000

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0

Time-->



#6

Chloroethane

Concen: 18.973 ug/l

RT: 2.80 min Scan# 174

Delta R.T. -0.01 min

Lab File: VY001646.D

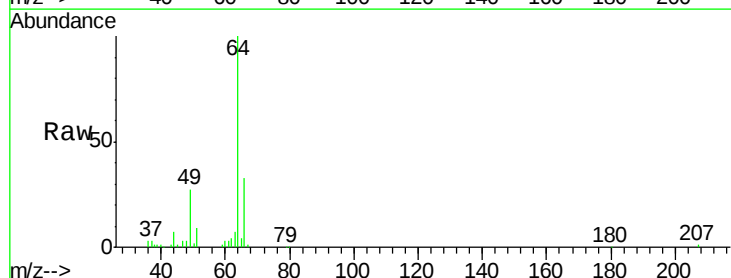
Acq: 17 Feb 2020 15:16

Tgt Ion: 64 Resp: 31343

Ion Ratio Lower Upper

64 100

66 33.4 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0

2.80

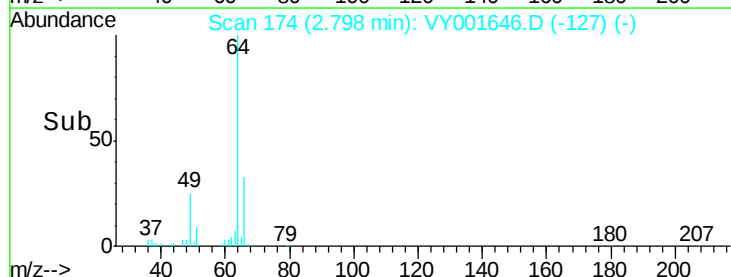
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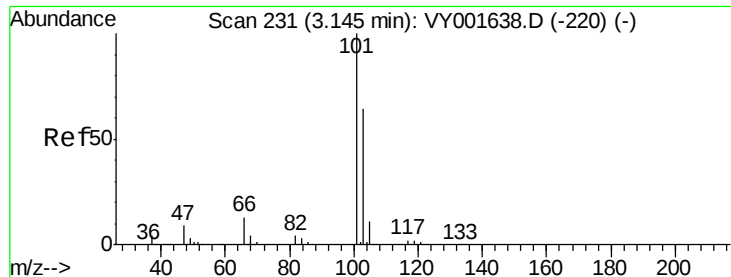
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Time-->





#7

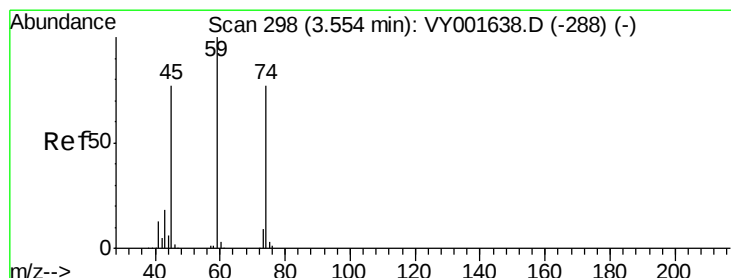
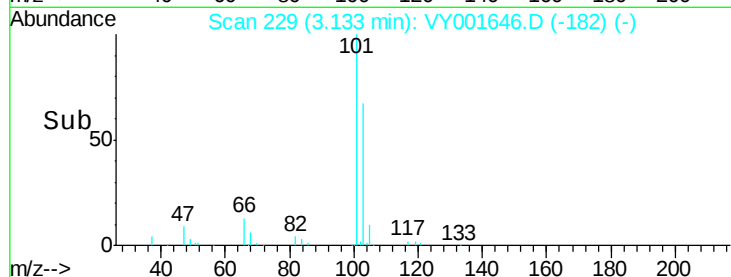
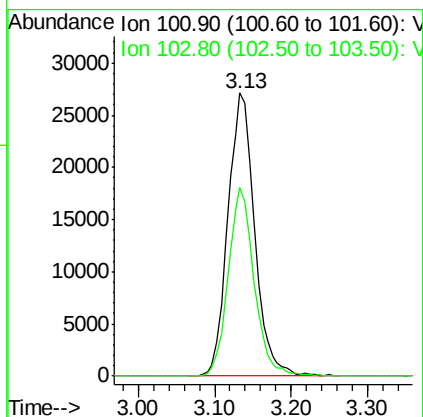
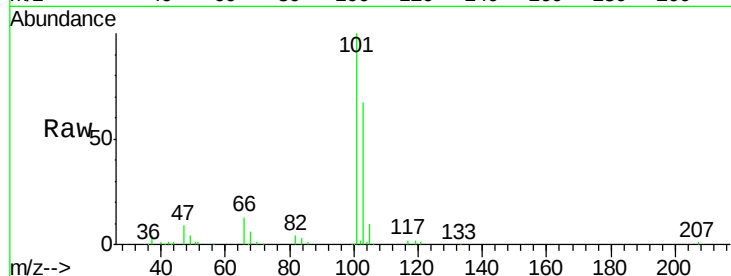
Trichlorofluoromethane
Concen: 19.127 ug/l
RT: 3.13 min Scan# 229
Delta R.T. -0.01 min
Lab File: VY001646.D
Acq: 17 Feb 2020 15:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0217SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.7	52.2	78.2

Manual Integrations
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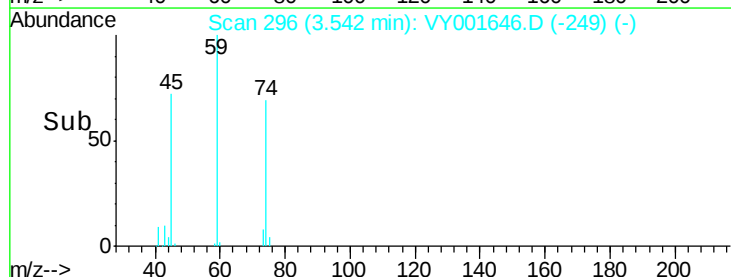
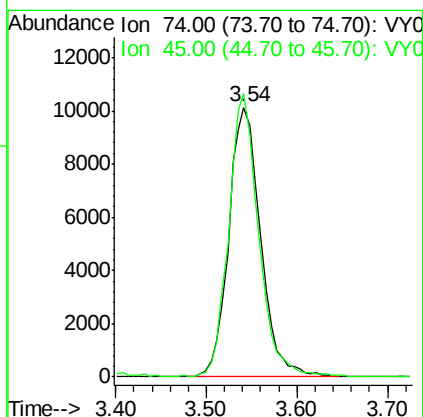
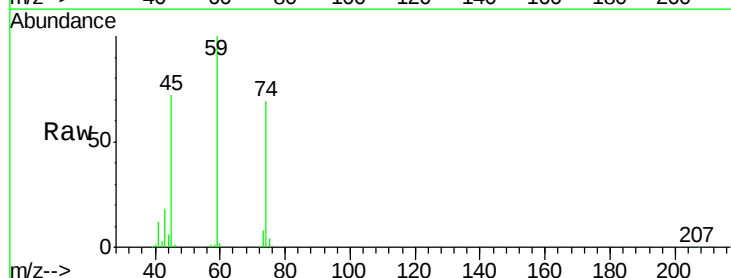
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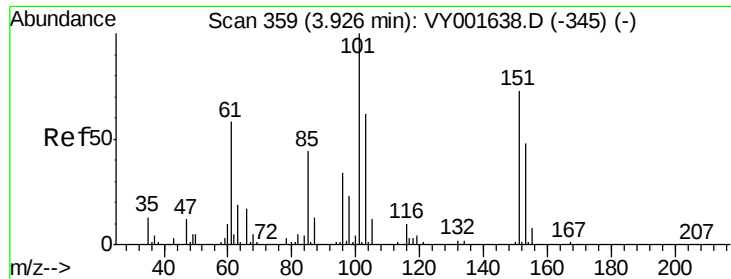


#8

Diethyl Ether
Concen: 18.367 ug/l
RT: 3.54 min Scan# 296
Delta R.T. -0.01 min
Lab File: VY001646.D
Acq: 17 Feb 2020 15:16

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.2	49.6	148.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.940 ug/l

RT: 3.91 min Scan# 357

Delta R.T. -0.01 min

Lab File: VY001646.D

Acq: 17 Feb 2020 15:16

Instrument :

MSVOA_Y

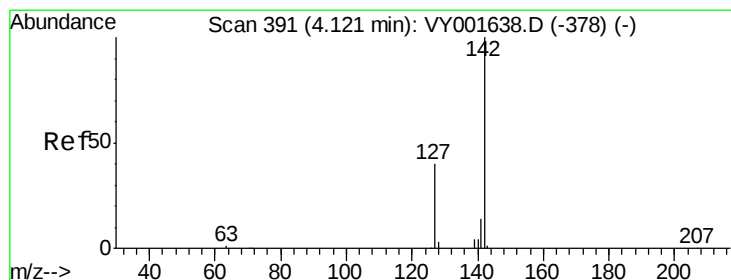
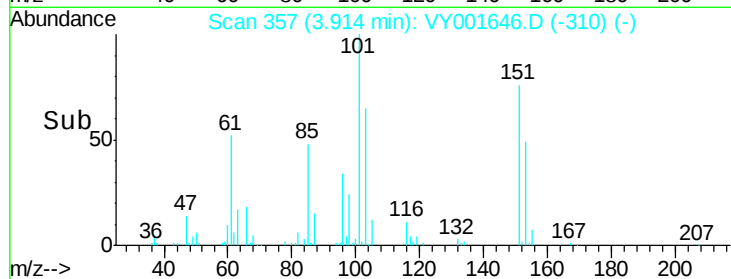
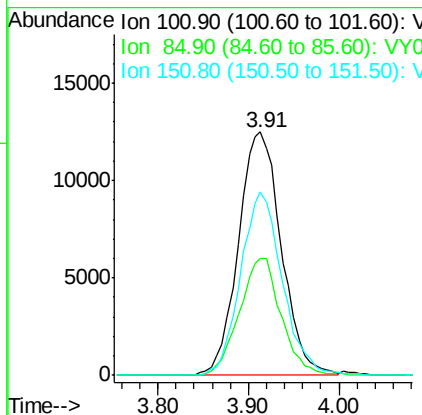
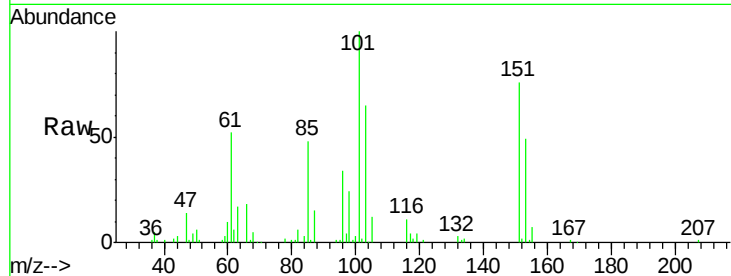
ClientSampleId :

VY0217SBS01

Tot Ion:	101	Resp:	40847
Ion Ratio	Lower	Upper	
101	100		
85	46.9	35.1	52.7
151	73.4	58.4	87.6

Manual Integrations
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#10

Methyl Iodide

Concen: 18.250 ug/l

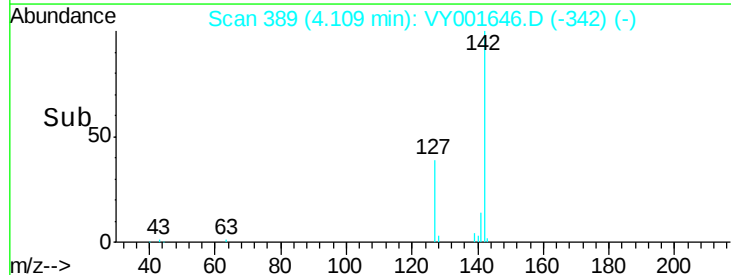
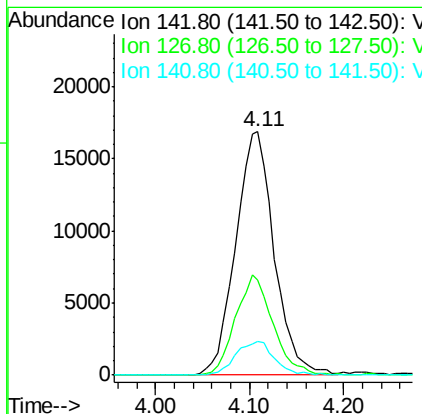
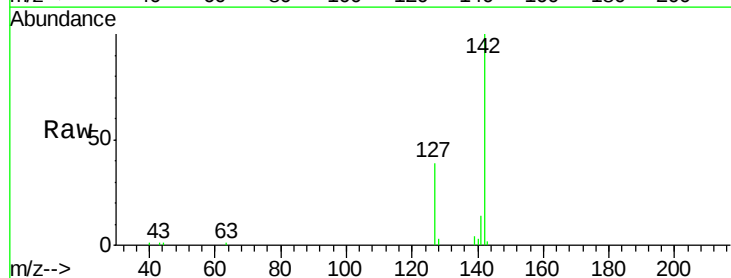
RT: 4.11 min Scan# 389

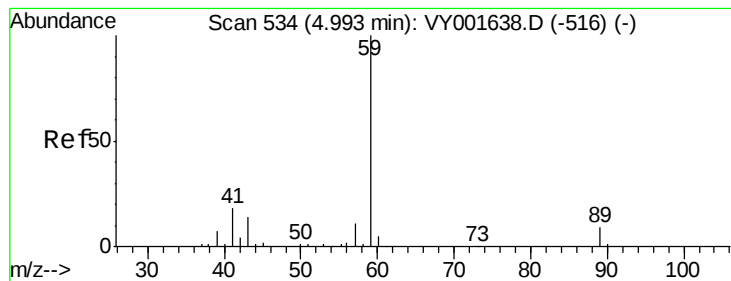
Delta R.T. -0.01 min

Lab File: VY001646.D

Acq: 17 Feb 2020 15:16

Tgt Ion:	142	Resp:	48170
Ion Ratio	Lower	Upper	
142	100		
127	40.0	32.1	48.1
141	14.1	11.3	16.9





#11

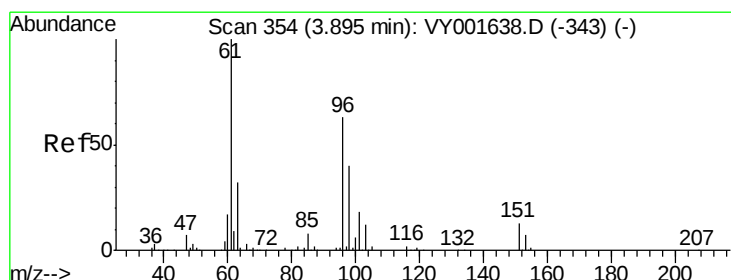
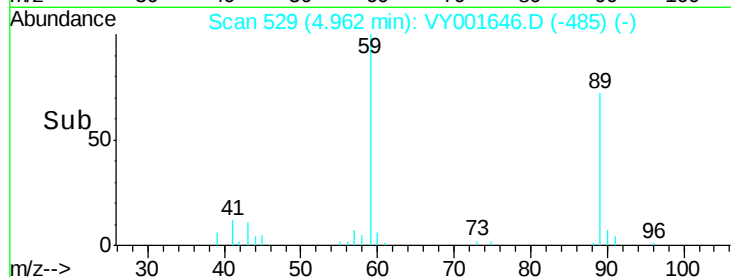
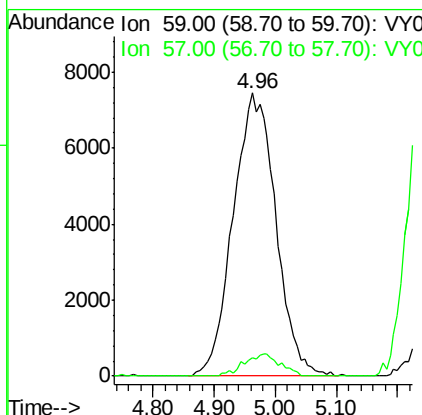
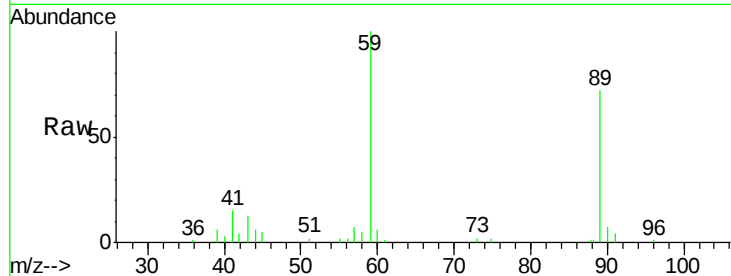
Tert butyl alcohol
 Concen: 130.734 ug/l
 RT: 4.96 min Scan# 529
 Delta R.T. -0.03 min
 Lab File: VY001646.D
 Acq: 17 Feb 2020 15:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0217SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	6.6	7.4	11.2#

Manual Integrations
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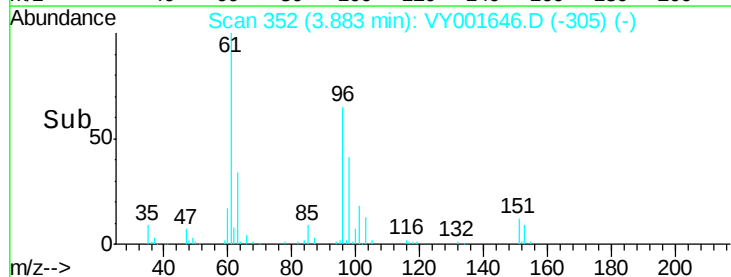
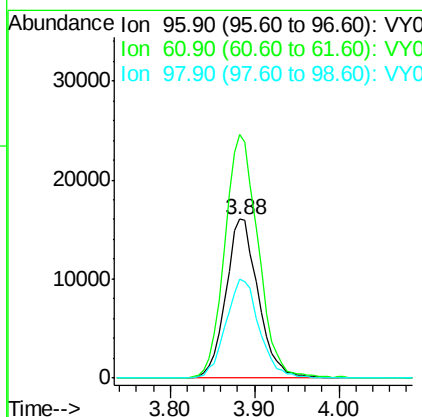
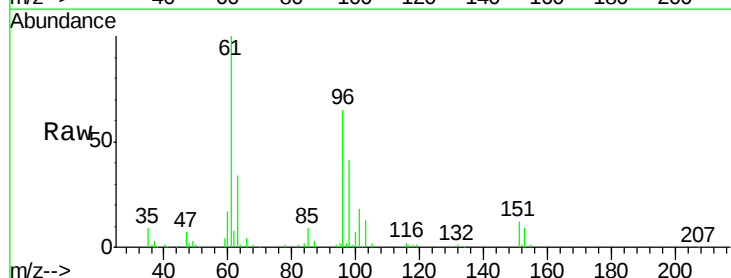
MMDadoda
 2/19/2020 10:49:39 AM

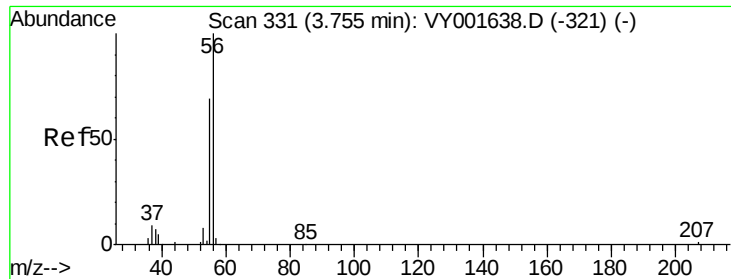


#12

1,1-Dichloroethene
 Concen: 19.176 ug/l
 RT: 3.88 min Scan# 352
 Delta R.T. -0.01 min
 Lab File: VY001646.D
 Acq: 17 Feb 2020 15:16

Tgt Ion	Ratio	Lower	Upper
96	100		
61	153.4	128.7	193.1
98	62.6	50.7	76.1





#13

Acrolein

Concen: 101.521 ug/l

RT: 3.74 min Scan# 329

Delta R.T. -0.01 min

Lab File: VY001646.D

Acq: 17 Feb 2020 15:16

Instrument :

MSVOA_Y

ClientSampleId :

VY0217SBS01

Tot Ion: 56 Resp: 22358

Ion Ratio Lower Upper

56 100

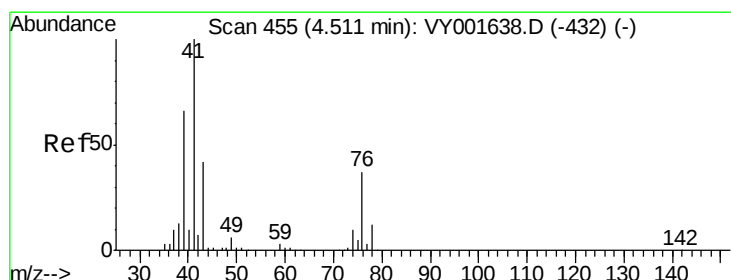
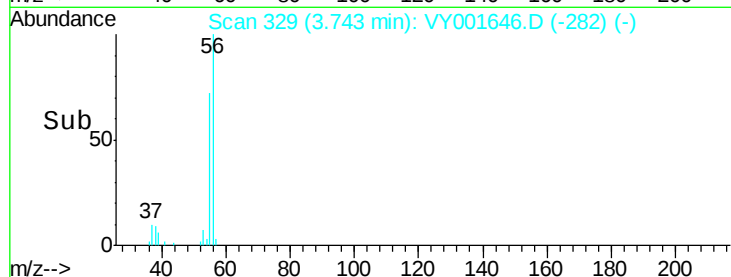
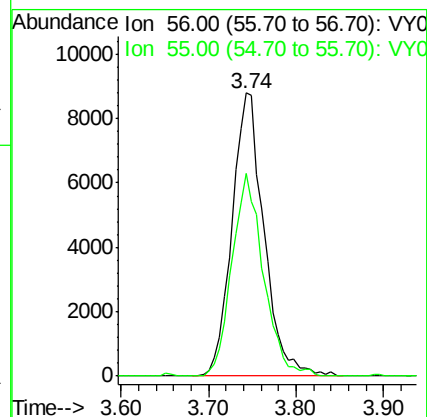
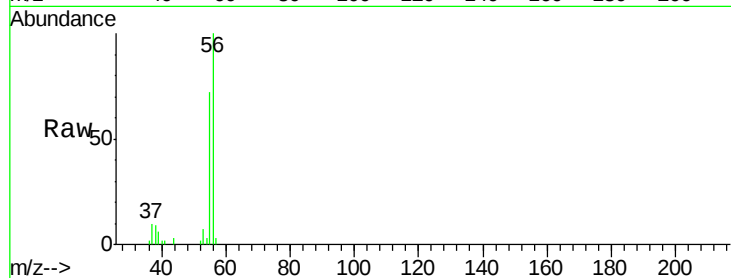
55 70.6 56.1 84.1

Manual Integrations

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#14

Allyl chloride

Concen: 18.739 ug/l

RT: 4.49 min Scan# 452

Delta R.T. -0.02 min

Lab File: VY001646.D

Acq: 17 Feb 2020 15:16

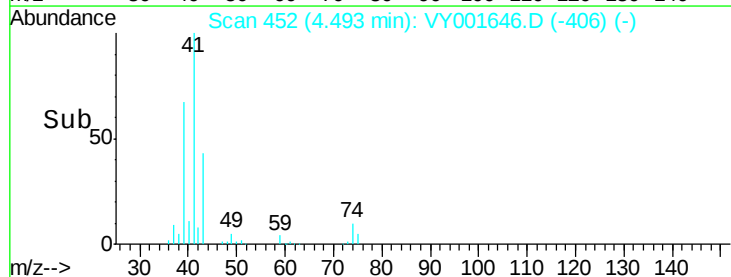
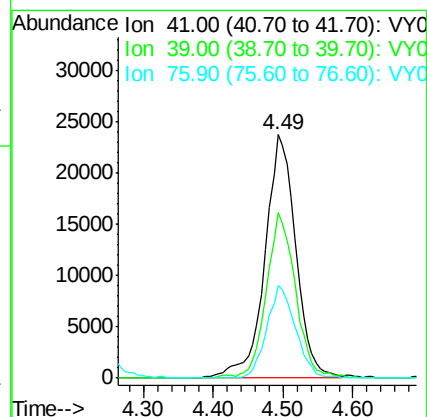
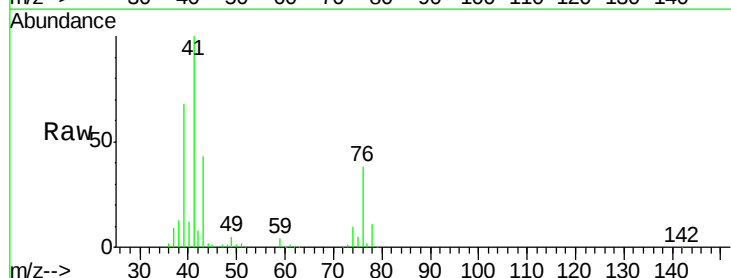
Tgt Ion: 41 Resp: 73358

Ion Ratio Lower Upper

41 100

39 64.5 49.4 74.0

76 35.3 29.0 43.6





#15

Acrylonitrile

Concen: 91.794 ug/l

RT: 5.19 min Scan# 566

Delta R.T. -0.02 min

Lab File: VY001646.D

Acq: 17 Feb 2020 15:16

Instrument :

MSVOA_Y

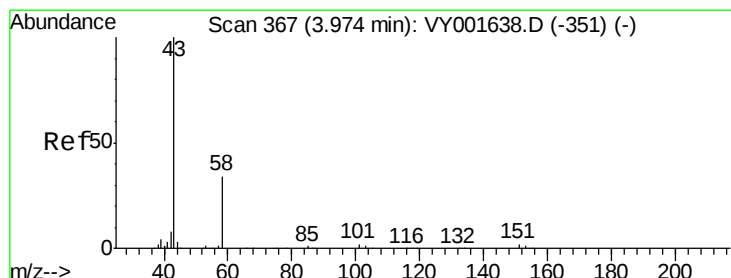
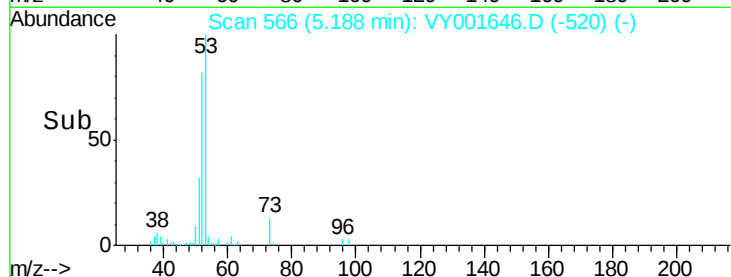
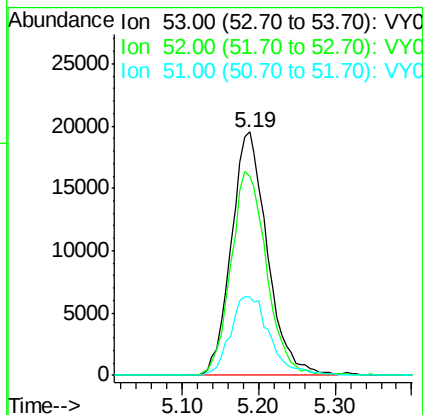
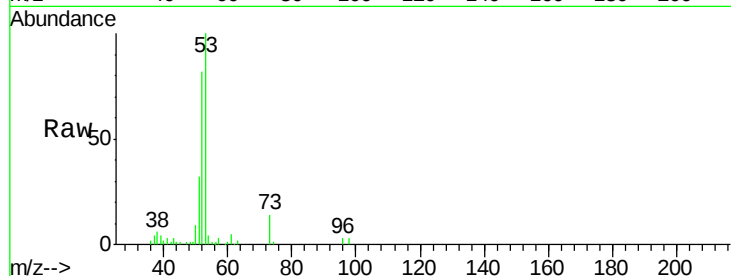
ClientSampleId :

VY0217SBS01

Tot Ion:	53	Resp:	63643
Ion Ratio	Lower	Upper	
53	100		
52	82.9	65.4	98.0
51	35.5	28.0	42.0

Manual Integrations
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#16

Acetone

Concen: 83.051 ug/l

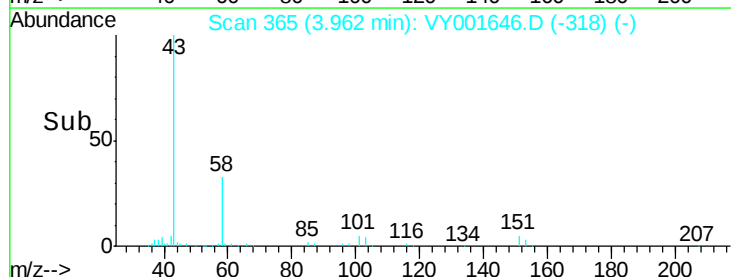
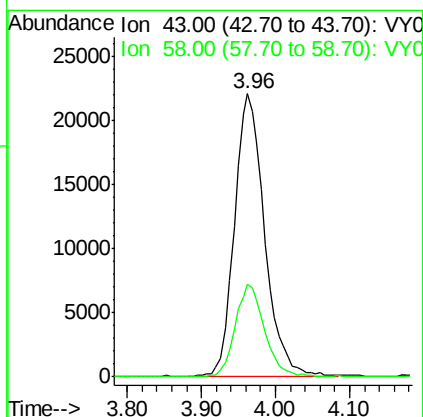
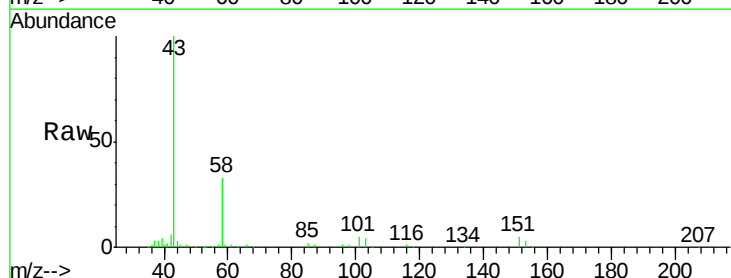
RT: 3.96 min Scan# 365

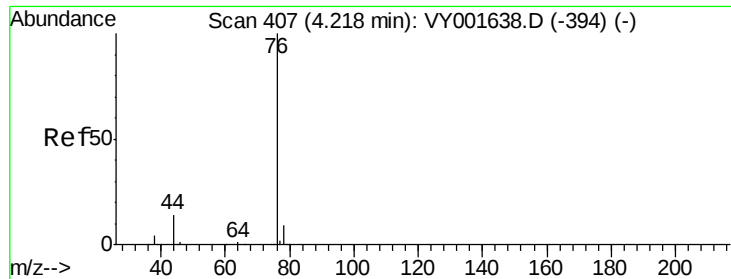
Delta R.T. -0.01 min

Lab File: VY001646.D

Acq: 17 Feb 2020 15:16

Tgt Ion:	43	Resp:	62663
Ion Ratio	Lower	Upper	
43	100		
58	32.6	27.3	40.9





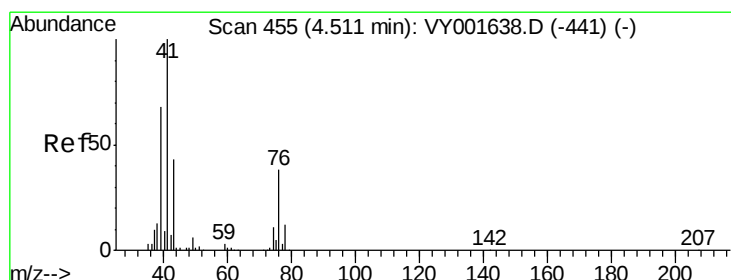
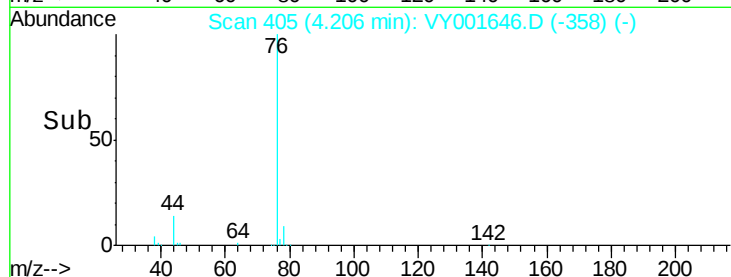
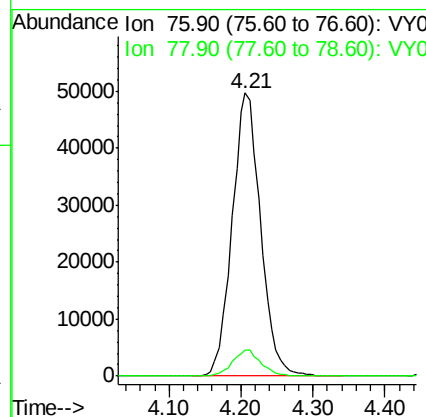
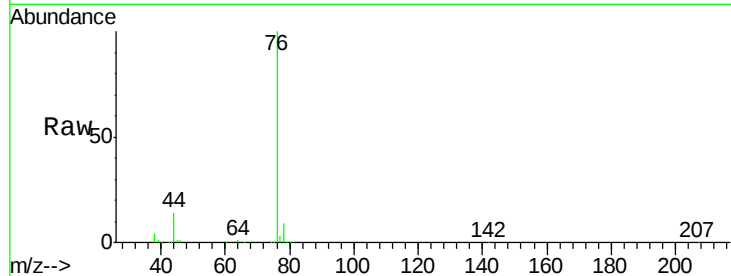
#17
Carbon Disulfide
Concen: 18.550 ug/l
RT: 4.21 min Scan# 405
Delta R.T. -0.01 min
Lab File: VY001646.D
Acq: 17 Feb 2020 15:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0217SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.3	10.9

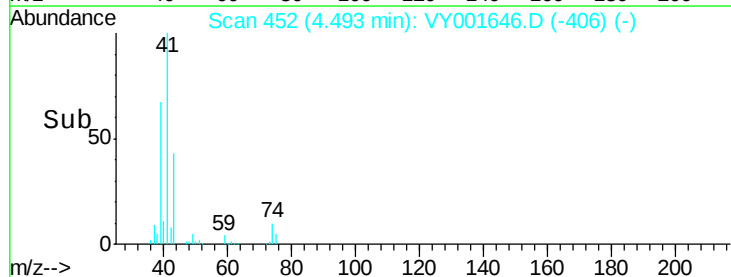
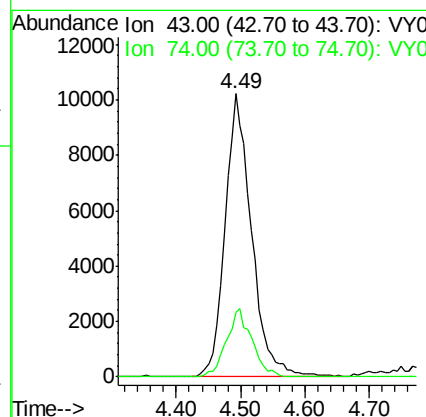
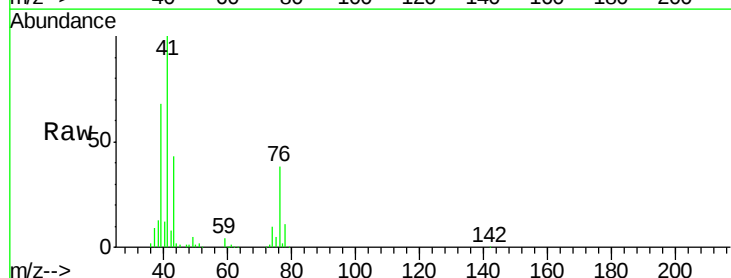
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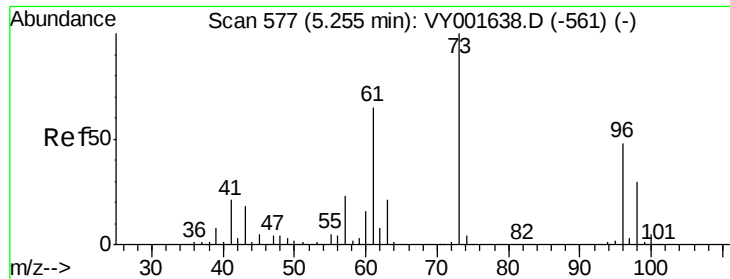
MMDadoda
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#18
Methyl Acetate
Concen: 18.027 ug/l
RT: 4.49 min Scan# 452
Delta R.T. -0.02 min
Lab File: VY001646.D
Acq: 17 Feb 2020 15:16

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.9	19.1	28.7





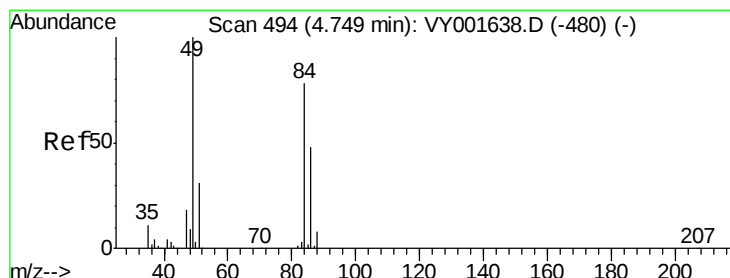
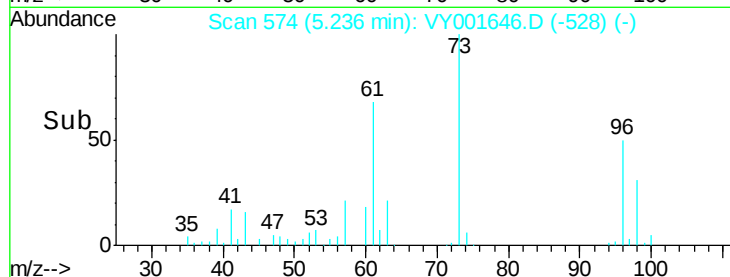
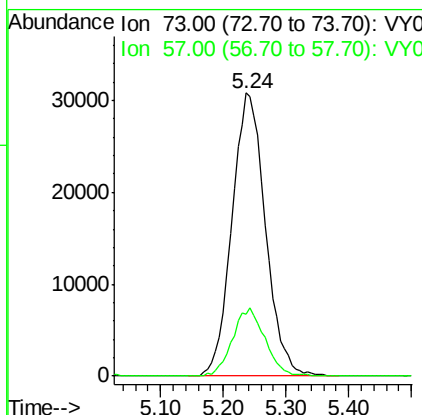
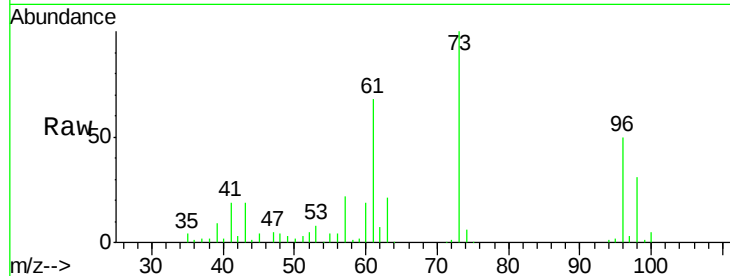
#19
Methvl tert-butvl Ether
Concen: 18.551 ug/l
RT: 5.24 min Scan# 574
Delta R.T. -0.02 min
Lab File: VY001646.D
Acq: 17 Feb 2020 15:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0217SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.9	19.0	28.6

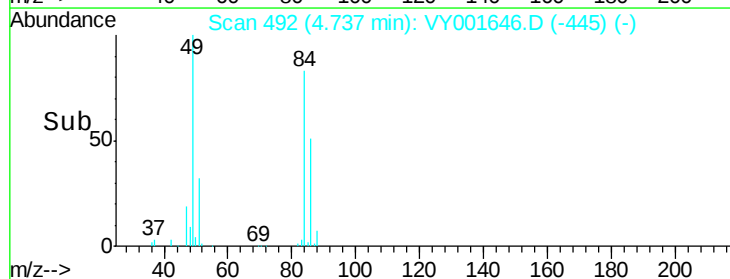
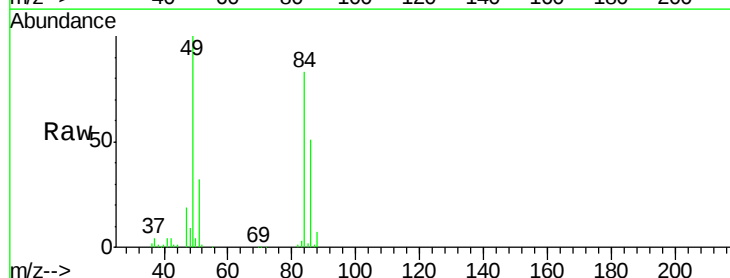
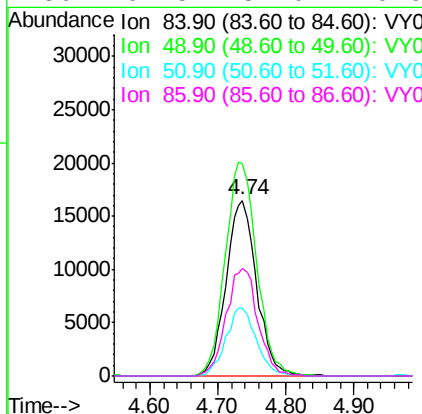
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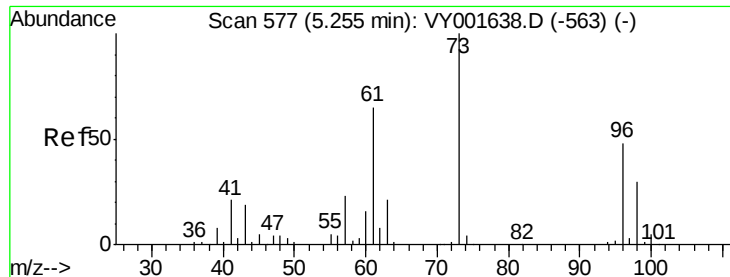
MMDadoda
2/19/2020 10:49:39 AM



#20
Methylene Chloride
Concen: 19.158 ug/l
RT: 4.74 min Scan# 492
Delta R.T. -0.01 min
Lab File: VY001646.D
Acq: 17 Feb 2020 15:16

Tgt Ion	Ratio	Lower	Upper
84	100		
49	121.2	99.2	148.8
51	38.8	31.5	47.3
86	61.5	51.0	76.6





#21

trans-1,2-Dichloroethene

Concen: 18.558 ug/l

RT: 5.24 min Scan# 574

Delta R.T. -0.02 min

Lab File: VY001646.D

Acq: 17 Feb 2020 15:16

Instrument :

MSVOA_Y

ClientSampleId :

VY0217SBS01

Tot Ion: 96 Resp: 46572

Ion Ratio Lower Upper

96 100

61 136.5 107.9 161.9

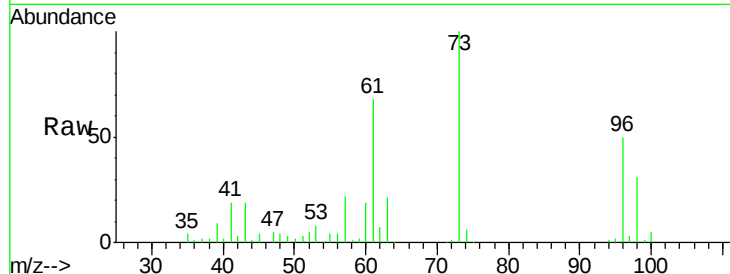
98 61.8 49.8 74.8

Manual Integrations

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MMDadoda

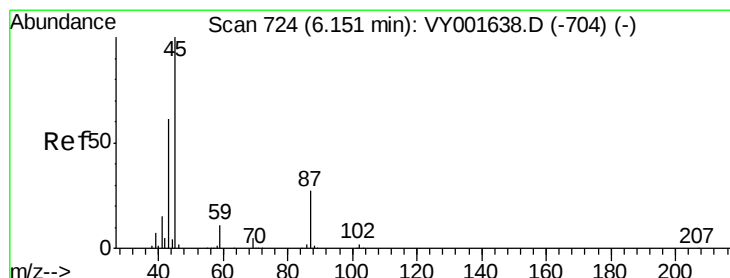
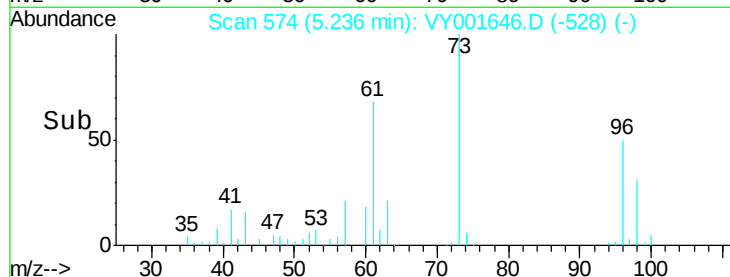
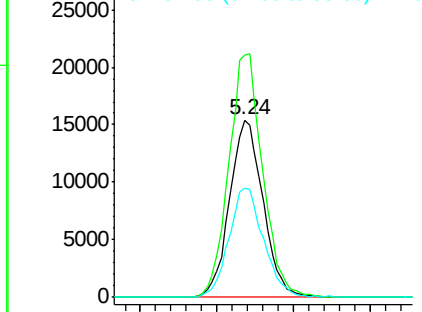
2/19/2020 10:49:39 AM



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: 18.653 ug/l

RT: 6.14 min Scan# 722

Delta R.T. -0.01 min

Lab File: VY001646.D

Acq: 17 Feb 2020 15:16

Tgt Ion: 45 Resp: 149960

Ion Ratio Lower Upper

45 100

43 54.9 46.4 69.6

87 26.0 22.1 33.1

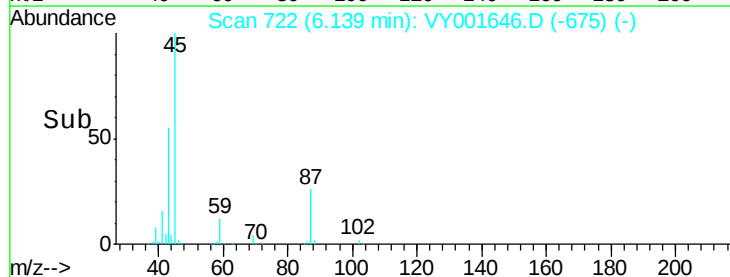
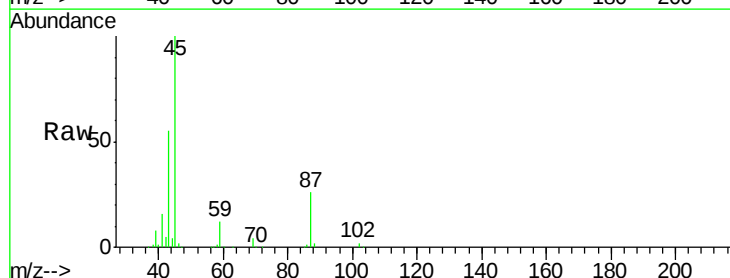
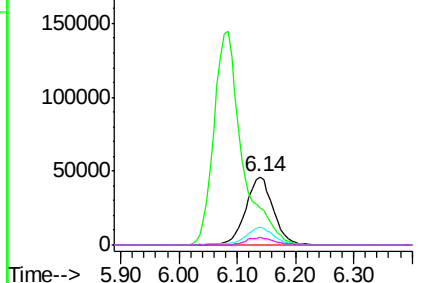
59 11.7 9.4 14.0

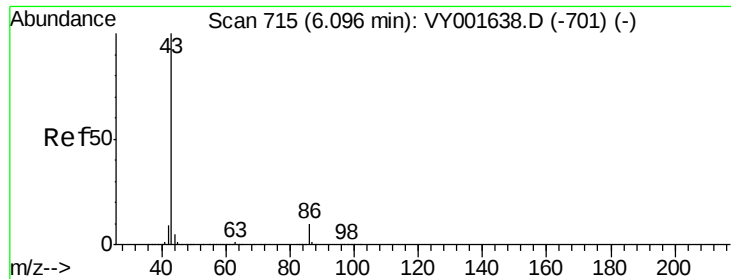
Abundance Ion 45.00 (44.70 to 45.70): VY0

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: 92.732 ug/l

RT: 6.08 min Scan# 713

Delta R.T. -0.01 min

Lab File: VY001646.D

Acq: 17 Feb 2020 15:16

Instrument :

MSVOA_Y

ClientSampleId :

VY0217SBS01

Tot Ion: 43 Resp: 486278

Ion Ratio Lower Upper

43 100

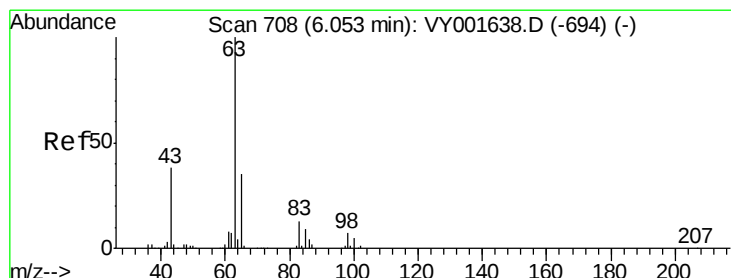
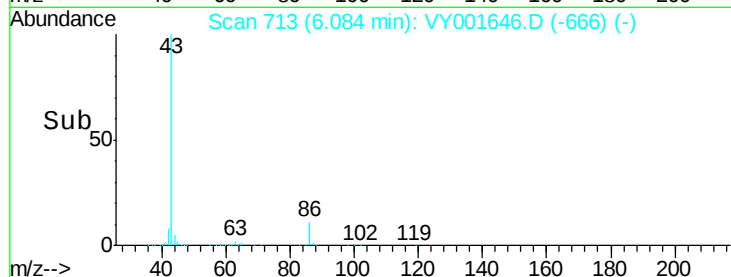
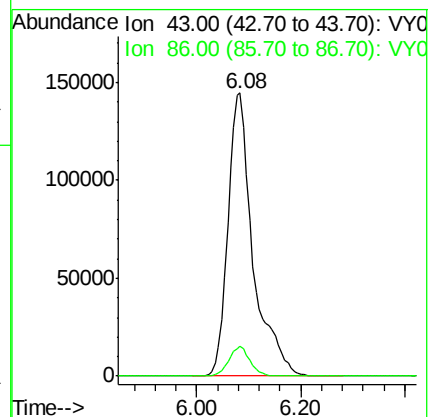
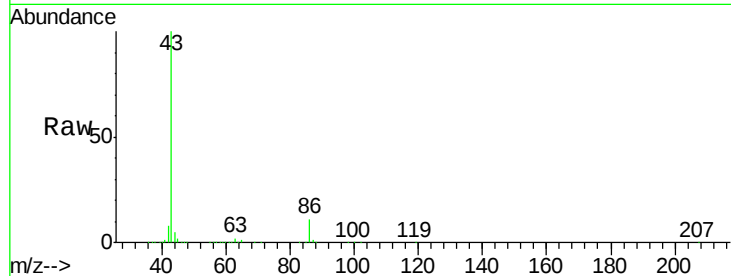
86 10.7 8.8 13.2

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#24

1,1-Dichloroethane

Concen: 18.773 ug/l

RT: 6.04 min Scan# 706

Delta R.T. -0.01 min

Lab File: VY001646.D

Acq: 17 Feb 2020 15:16

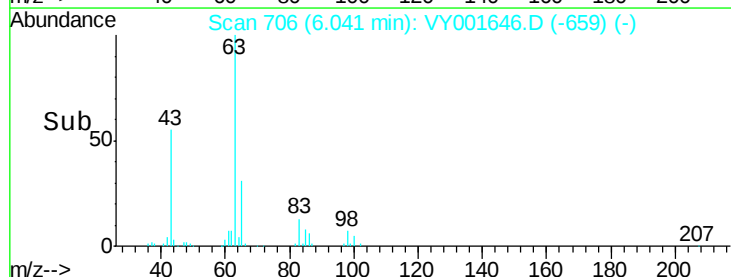
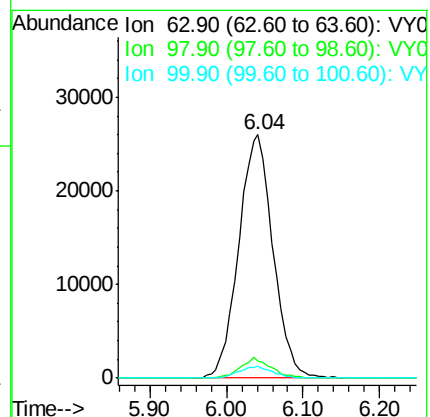
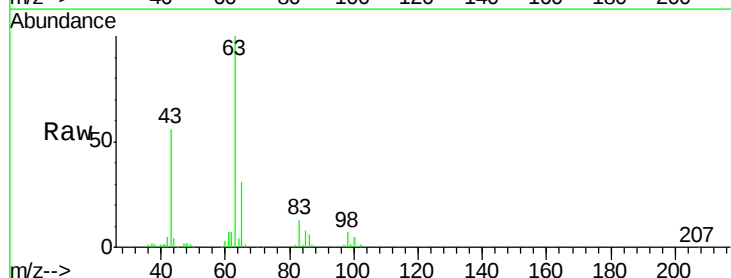
Tgt Ion: 63 Resp: 80664

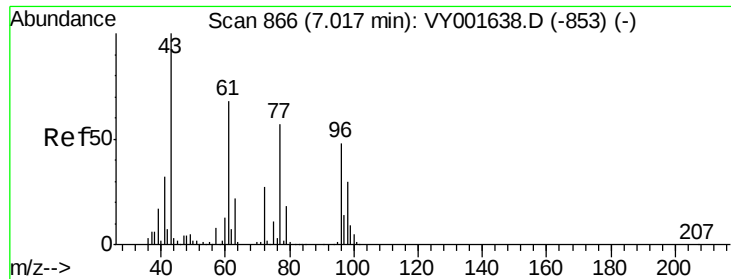
Ion Ratio Lower Upper

63 100

98 6.8 3.4 10.2

100 4.6 2.3 6.9





#25

2-Butanone

Concen: 87.157 ug/l

RT: 7.00 min Scan# 864

Delta R.T. -0.01 min

Lab File: VY001646.D

Acq: 17 Feb 2020 15:16

Instrument :

MSVOA_Y

ClientSampleId :

VY0217SBS01

Tot Ion: 43 Resp: 89334

Ion Ratio Lower Upper

43 100

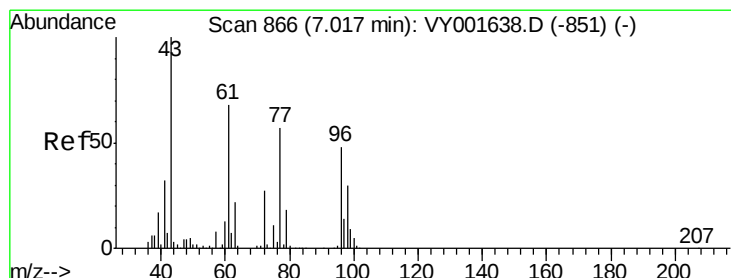
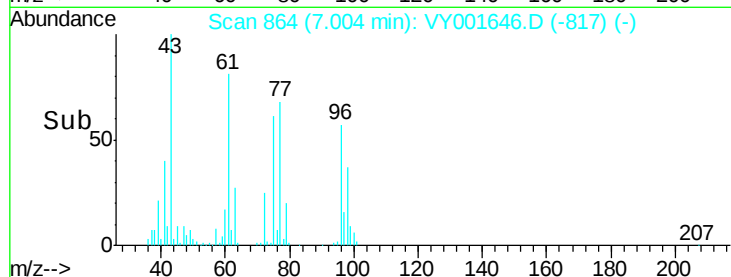
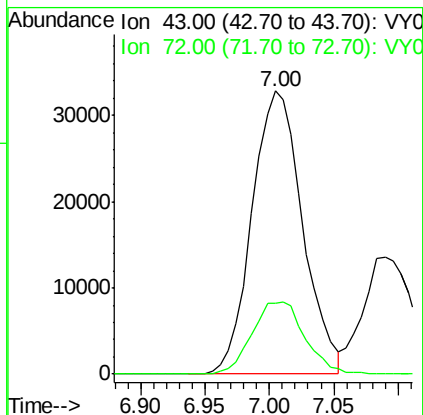
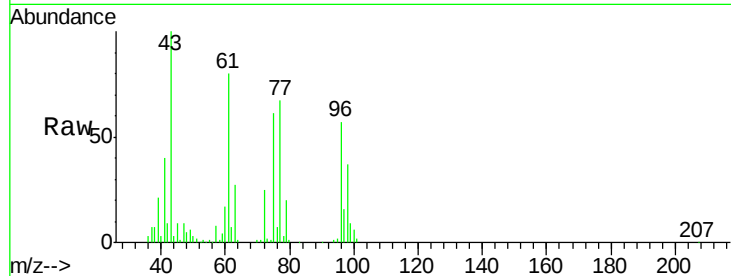
72 25.0 21.2 31.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 18.942 ug/l

RT: 7.00 min Scan# 863

Delta R.T. -0.02 min

Lab File: VY001646.D

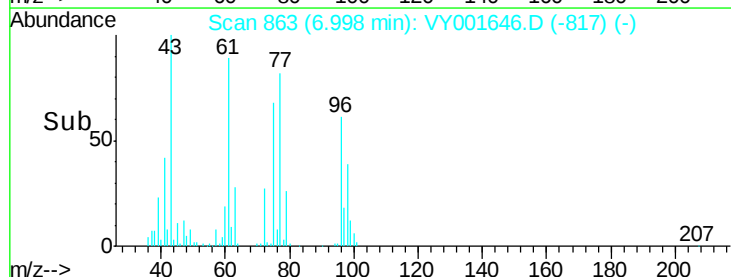
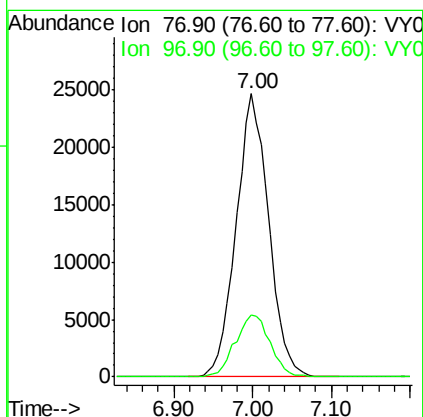
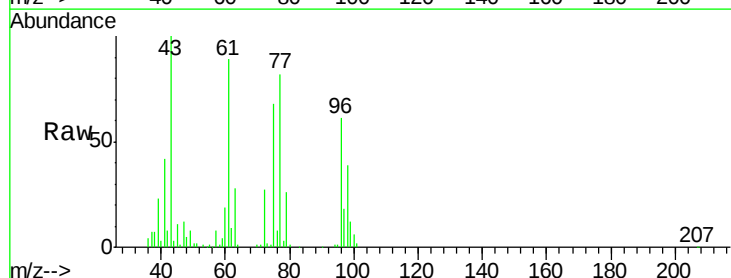
Acq: 17 Feb 2020 15:16

Tgt Ion: 77 Resp: 70810

Ion Ratio Lower Upper

77 100

97 23.3 11.8 35.4





#27

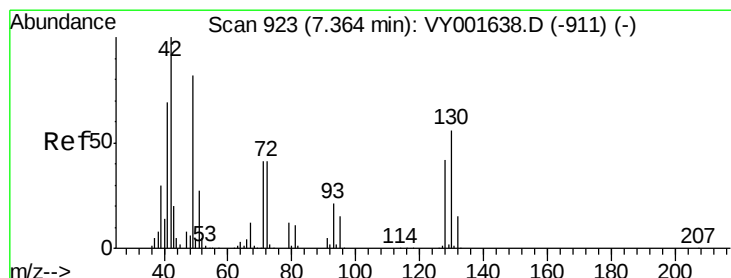
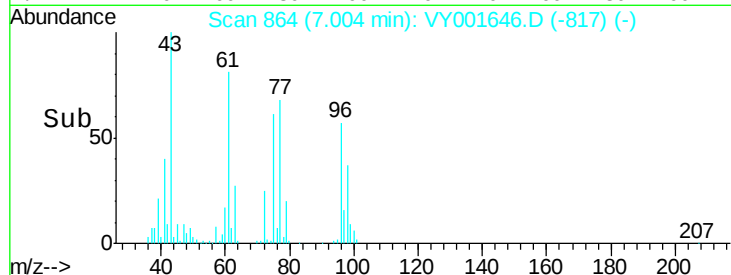
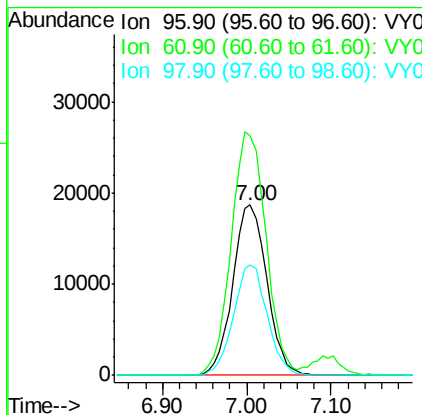
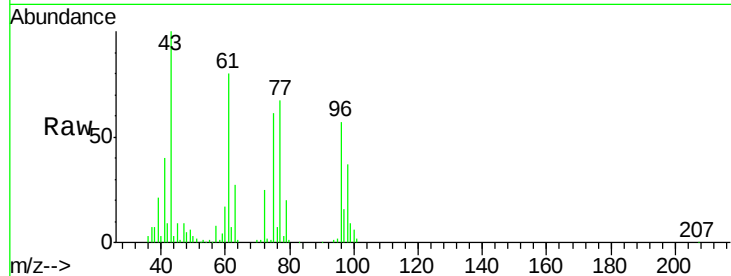
cis-1,2-Dichloroethene
Concen: 18.523 ug/l
RT: 7.00 min Scan# 864
Delta R.T. -0.01 min
Lab File: VY001646.D
Acq: 17 Feb 2020 15:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0217SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	145.7	0.0	290.8	
98	63.6	0.0	128.6	

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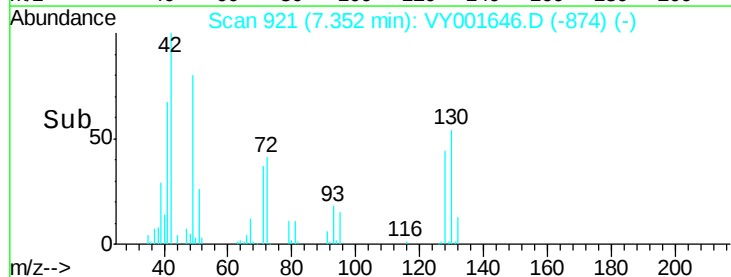
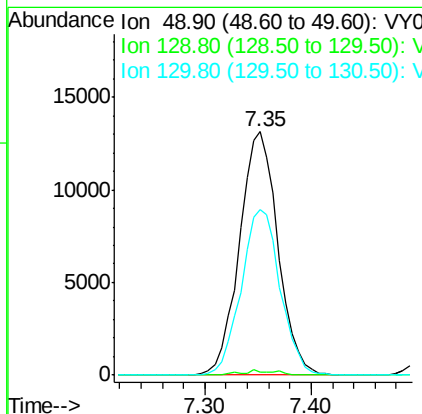
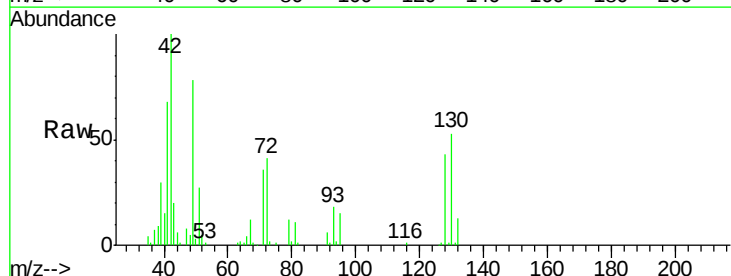
MMDadoda
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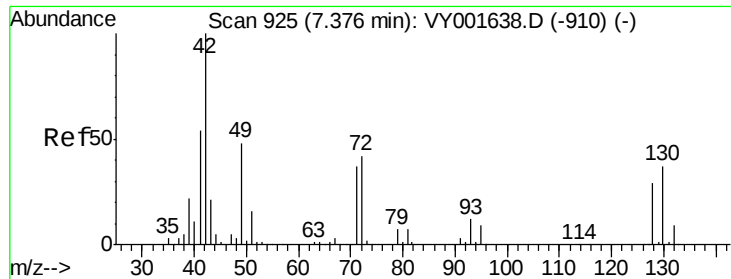


#28

Bromochloromethane
Concen: 18.576 ug/l
RT: 7.35 min Scan# 921
Delta R.T. -0.01 min
Lab File: VY001646.D
Acq: 17 Feb 2020 15:16

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.6	0.0	3.6	
130	68.9	56.2	84.4	





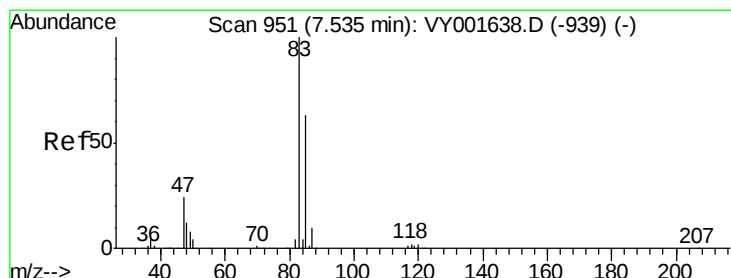
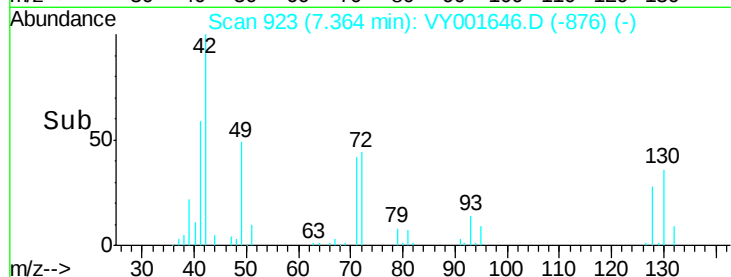
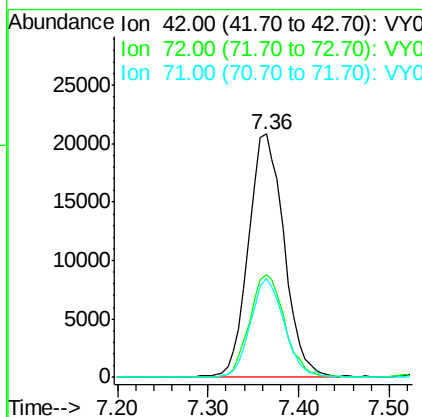
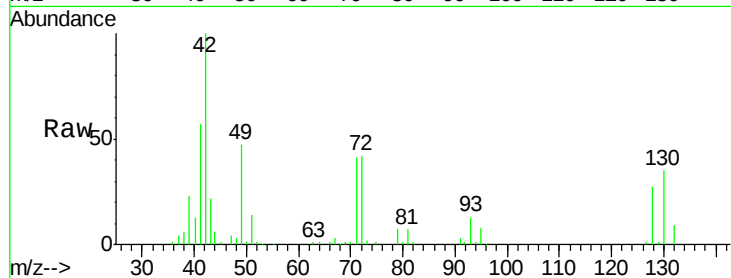
#29
Tetrahydrofuran
Concen: 91.560 ug/l
RT: 7.36 min Scan# 923
Delta R.T. -0.01 min
Lab File: VY001646.D
Acq: 17 Feb 2020 15:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0217SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.0	34.4	51.6
71	38.5	31.8	47.8

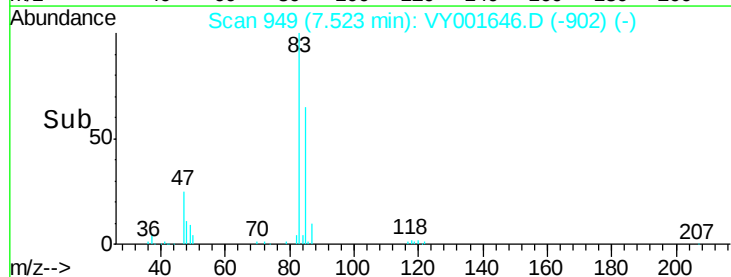
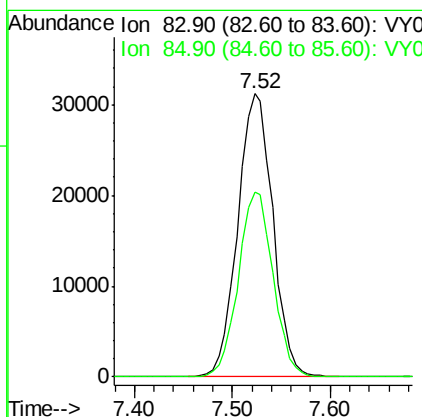
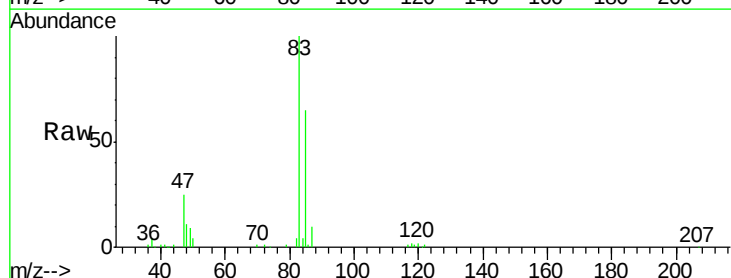
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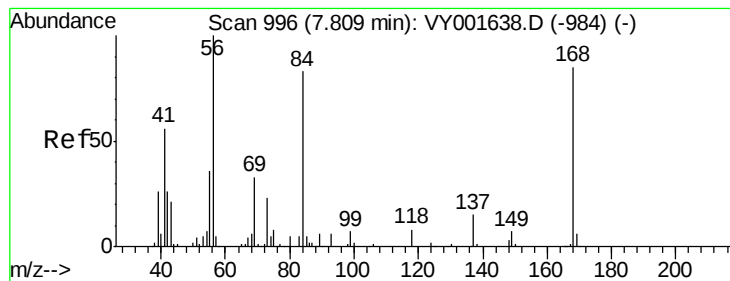
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#30
Chloroform
Concen: 18.465 ug/l
RT: 7.52 min Scan# 949
Delta R.T. -0.01 min
Lab File: VY001646.D
Acq: 17 Feb 2020 15:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	51.6	77.4





#31

Cyclohexane

Concen: 18.889 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY001646.D

Acq: 17 Feb 2020 15:16

Instrument :

MSVOA_Y

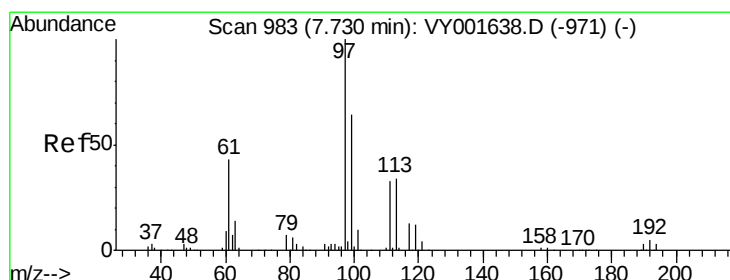
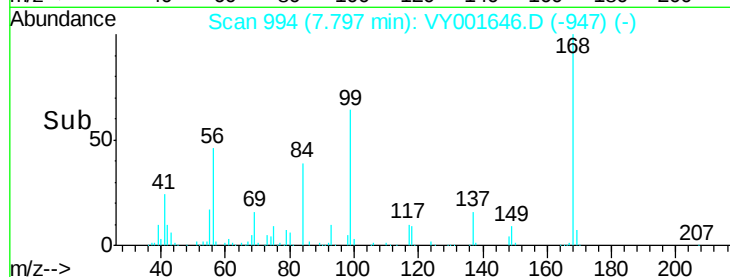
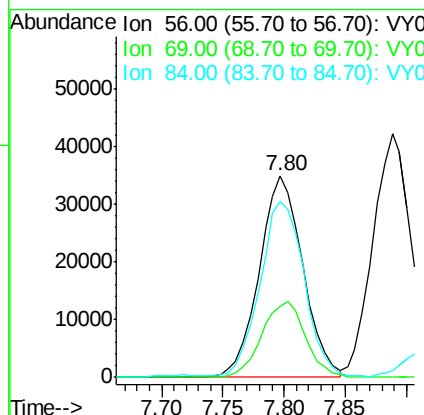
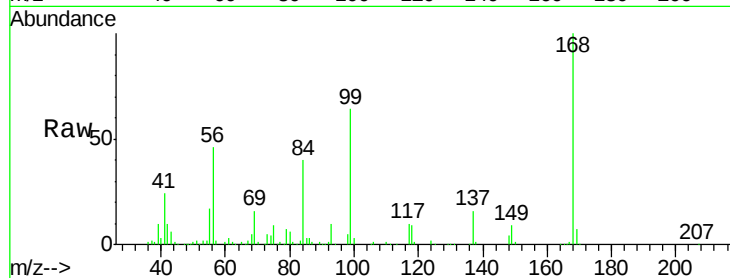
ClientSampleId :

VY0217SBS01

Tot Ion:	56	Resp:	86536
Ion Ratio	Lower	Upper	
56	100		
69	35.5	25.1	37.7
84	86.6	66.9	100.3

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#32

1,1,1-Trichloroethane

Concen: 18.871 ug/l

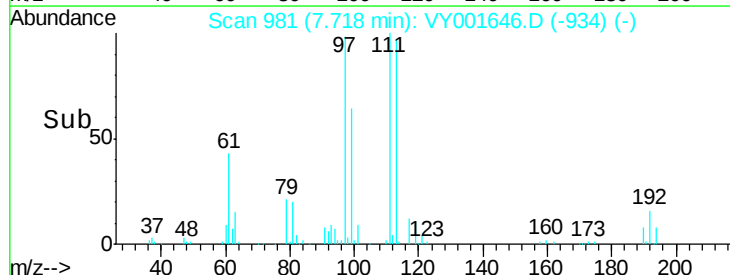
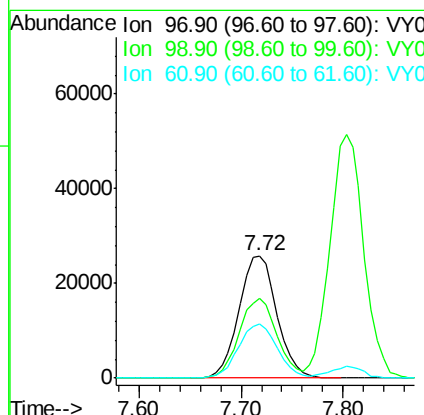
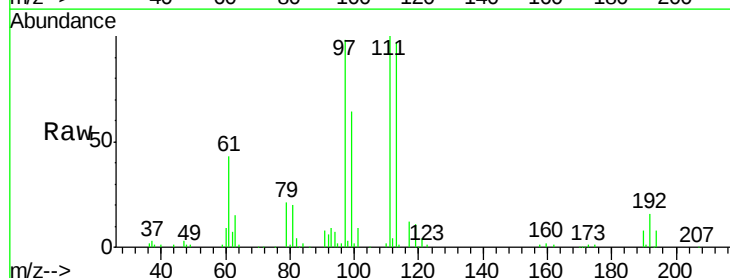
RT: 7.72 min Scan# 981

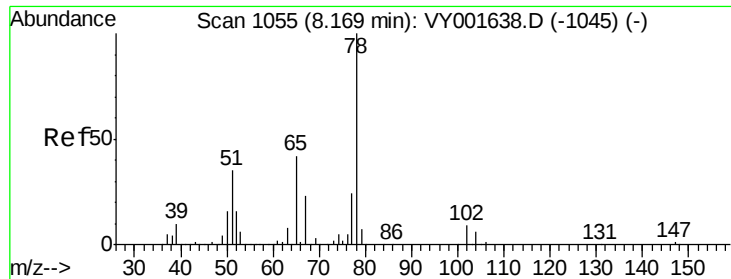
Delta R.T. -0.01 min

Lab File: VY001646.D

Acq: 17 Feb 2020 15:16

Tgt Ion:	97	Resp:	66589
Ion Ratio	Lower	Upper	
97	100		
99	65.3	51.2	76.8
61	45.5	35.0	52.6





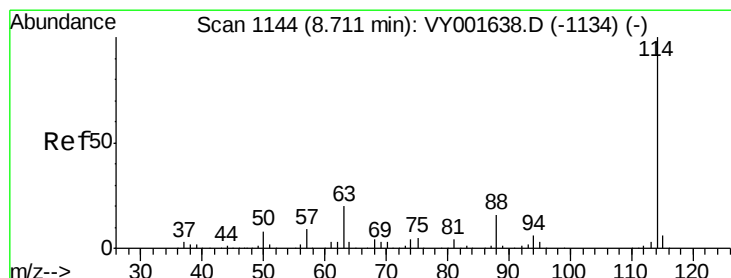
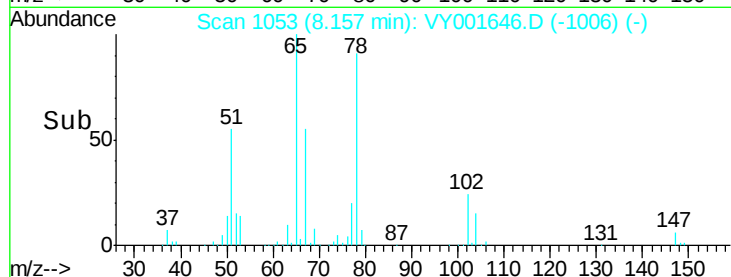
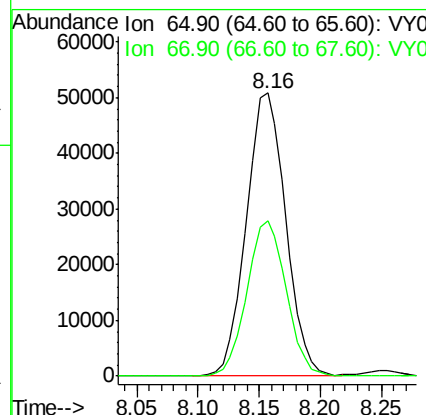
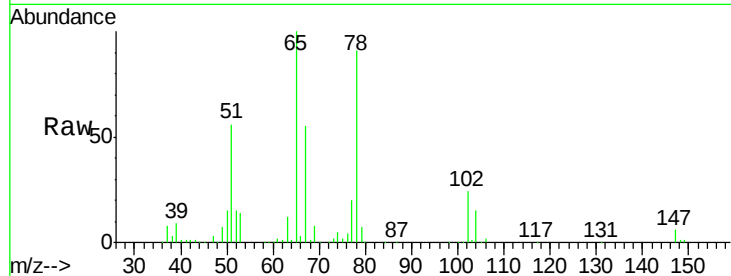
#33
 1,2-Dichloroethane-d4
 Concen: 52.187 ug/l
 RT: 8.16 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: VY001646.D
 Acq: 17 Feb 2020 15:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0217SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.7	0.0	111.0	

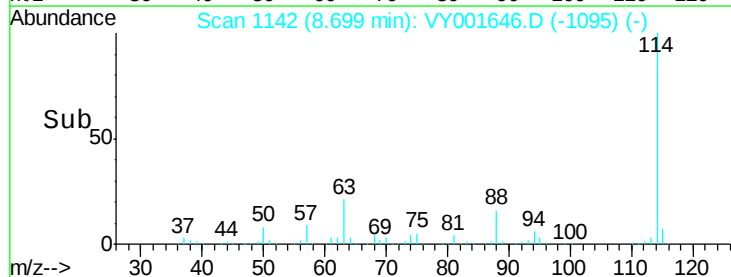
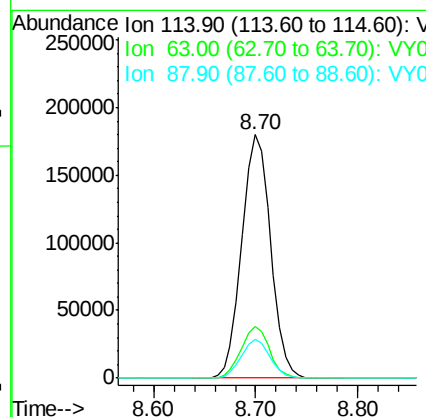
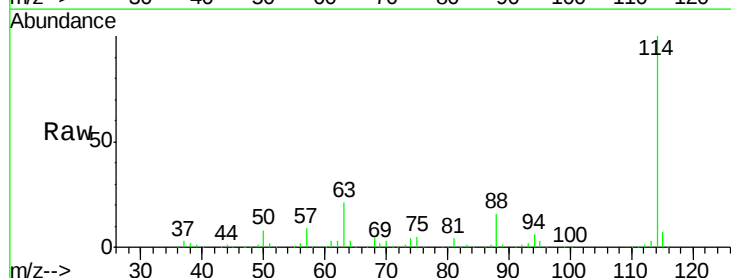
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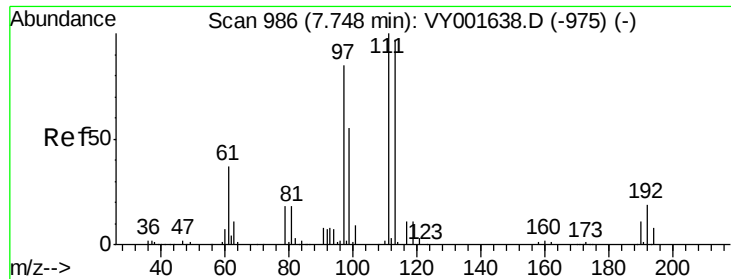
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 2/19/2020 10:49:39 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: VY001646.D
 Acq: 17 Feb 2020 15:16

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	21.4	0.0	41.4	
88	15.8	0.0	32.8	





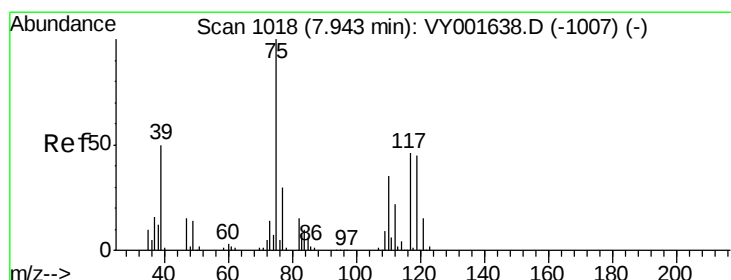
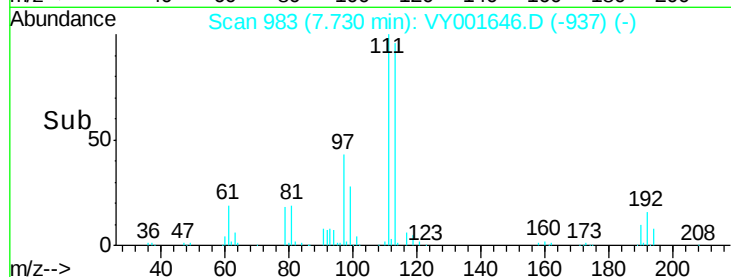
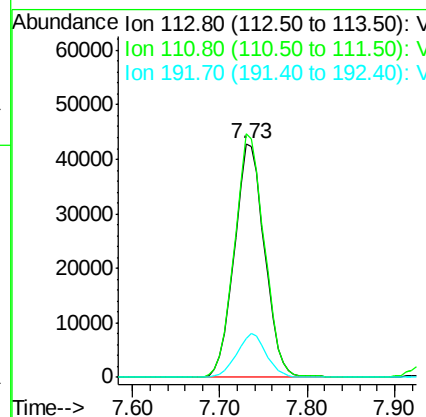
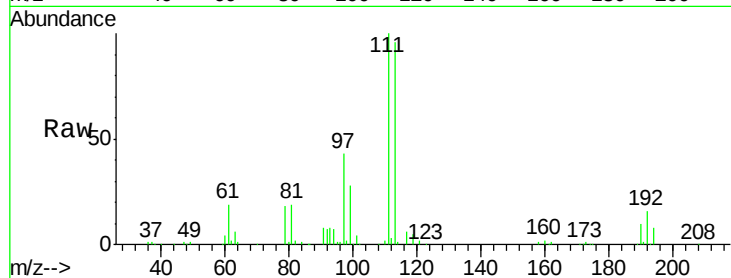
#35
Dibromofluoromethane
Concen: 50.988 ug/l
RT: 7.73 min Scan# 983
Delta R.T. -0.02 min
Lab File: VY001646.D
Acq: 17 Feb 2020 15:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0217SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	103078		
111	102.9	81.9	122.9	
192	18.3	14.3	21.5	

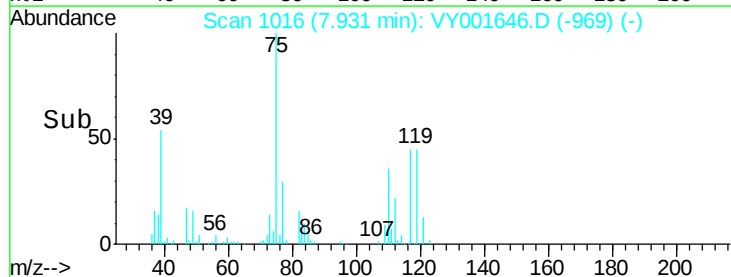
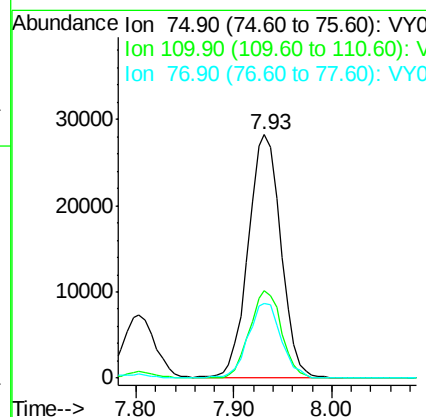
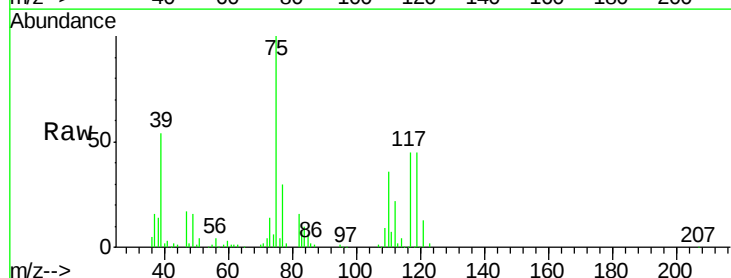
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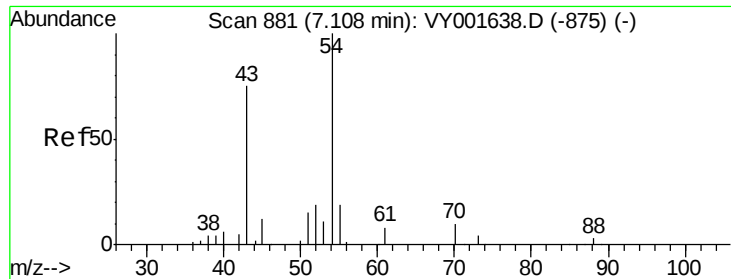
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#36
1,1-Dichloropropene
Concen: 19.530 ug/l
RT: 7.93 min Scan# 1016
Delta R.T. -0.01 min
Lab File: VY001646.D
Acq: 17 Feb 2020 15:16

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	65845		
110	35.0	17.2	51.6	
77	31.0	24.8	37.2	





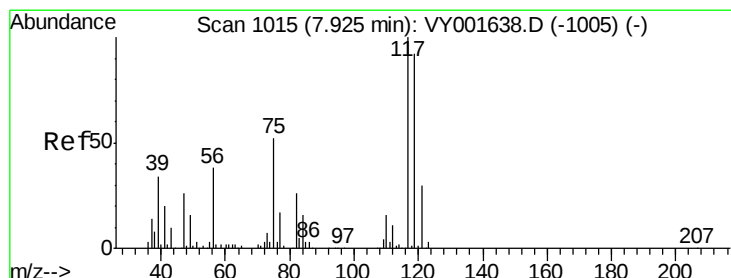
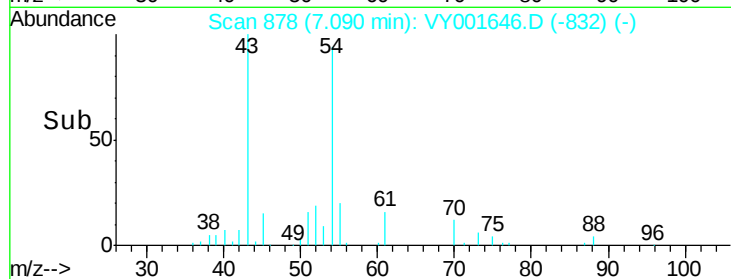
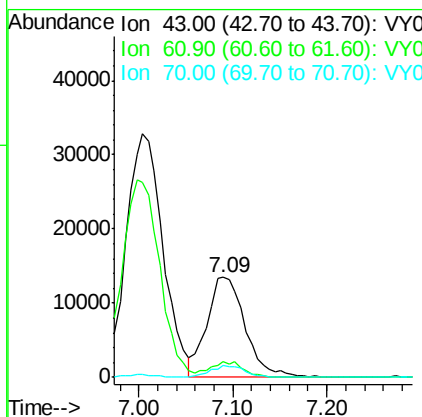
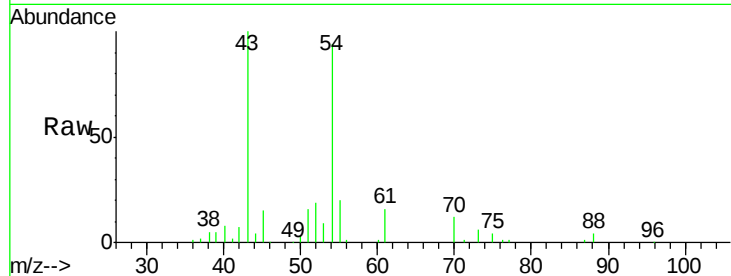
#37
Ethyl Acetate
Concen: 18.819 ug/l
RT: 7.09 min Scan# 878
Delta R.T. -0.02 min
Lab File: VY001646.D
Acq: 17 Feb 2020 15:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0217SBS01

Tot Ion	43	Ratio	Lower	Upper
43	100			
61	13.8	11.0	16.6	
70	10.7	8.8	13.2	

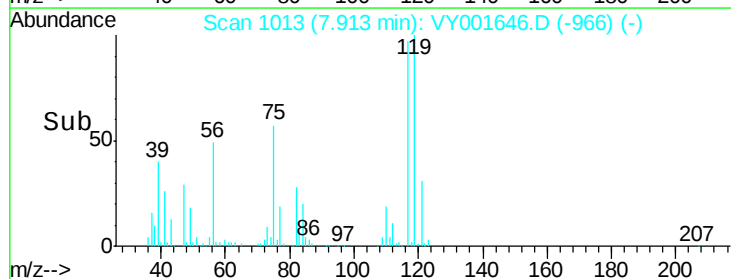
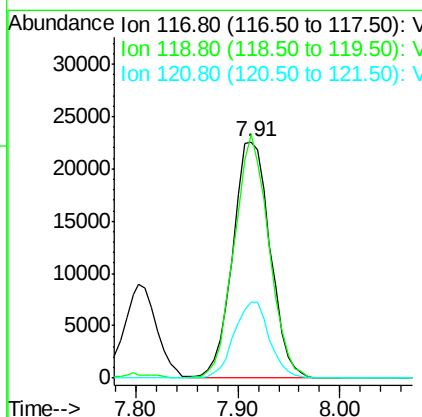
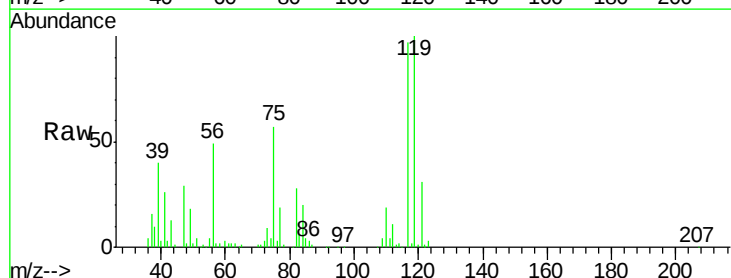
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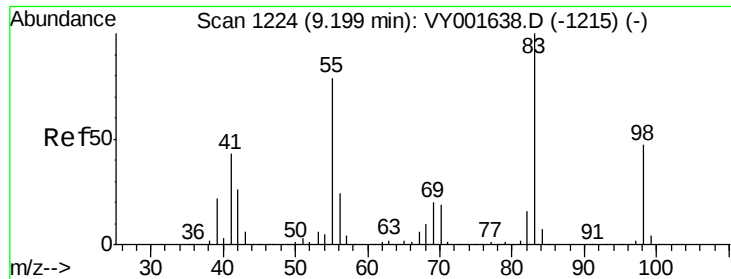
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#38
Carbon Tetrachloride
Concen: 19.399 ug/l
RT: 7.91 min Scan# 1013
Delta R.T. -0.01 min
Lab File: VY001646.D
Acq: 17 Feb 2020 15:16

Tgt Ion	117	Ratio	Lower	Upper
117	100			
119	103.1	74.8	112.2	
121	32.2	23.8	35.6	





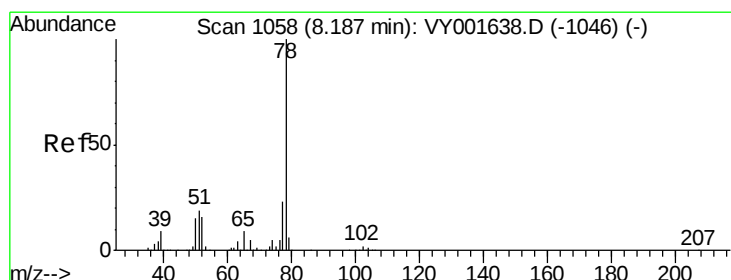
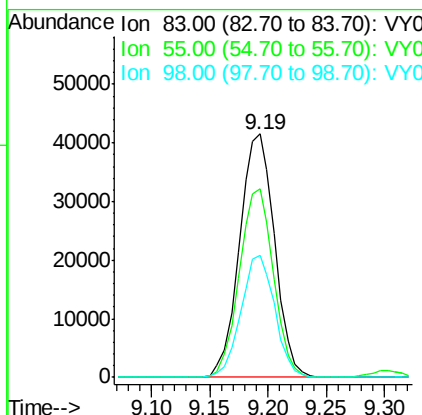
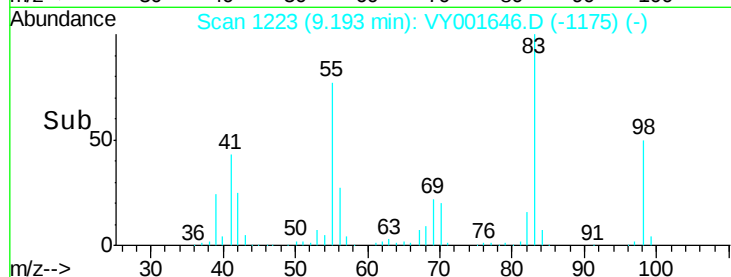
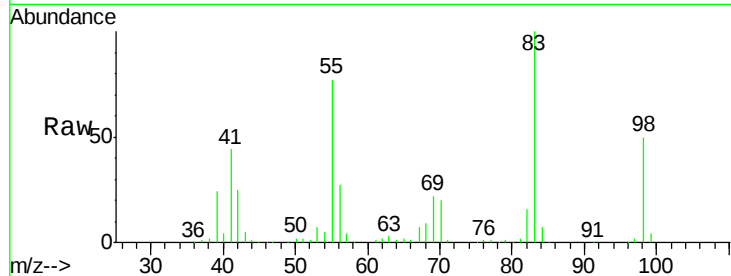
#39
Methvlcvclohexane
Concen: 19.461 ug/l
RT: 9.19 min Scan# 1223
Delta R.T. -0.01 min
Lab File: VY001646.D
Acq: 17 Feb 2020 15:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0217SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.5	61.3	91.9
98	50.2	38.0	57.0

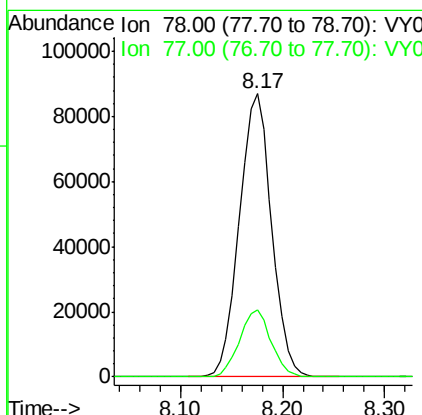
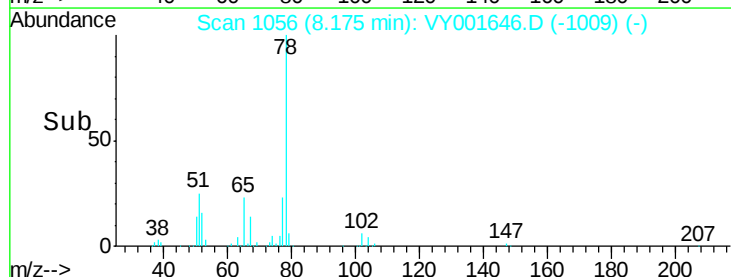
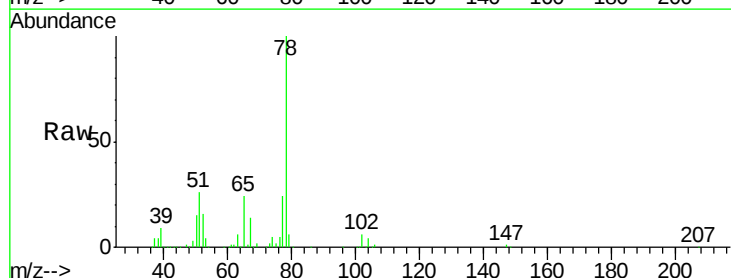
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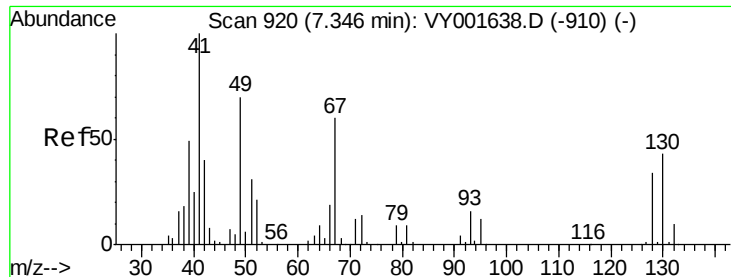
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2/19/2020 10:49:39 AM



#40
Benzene
Concen: 19.231 ug/l
RT: 8.17 min Scan# 1056
Delta R.T. -0.01 min
Lab File: VY001646.D
Acq: 17 Feb 2020 15:16

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.2	27.4





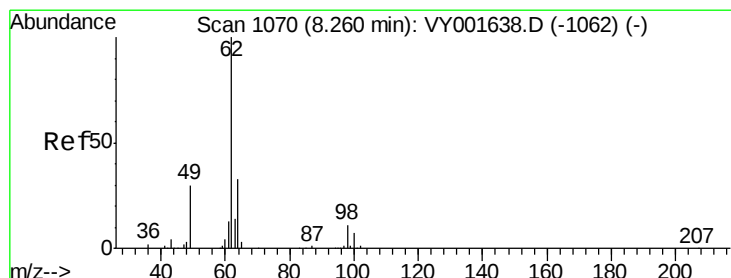
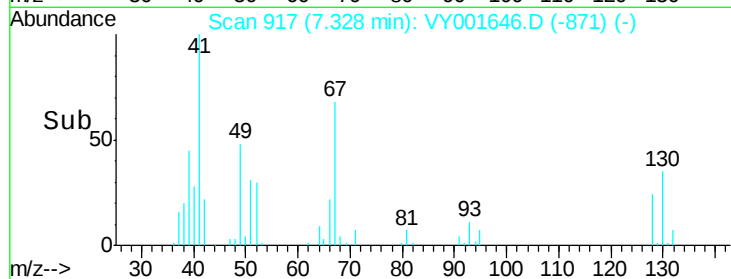
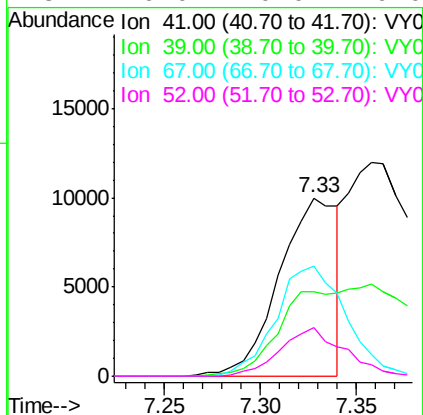
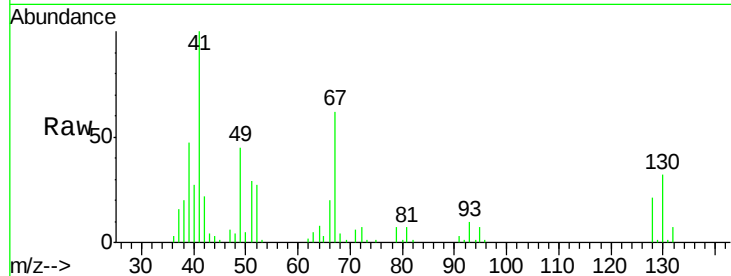
#41
Methacrylonitrile
Concen: 20.911 ug/l m
RT: 7.33 min Scan# 917
Delta R.T. -0.02 min
Lab File: VY001646.D
Acq: 17 Feb 2020 15:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0217SBS01

Tot Ion	41	Resp	21128
Ion Ratio	Lower	Upper	
41	100		
39	0.0	36.0	54.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

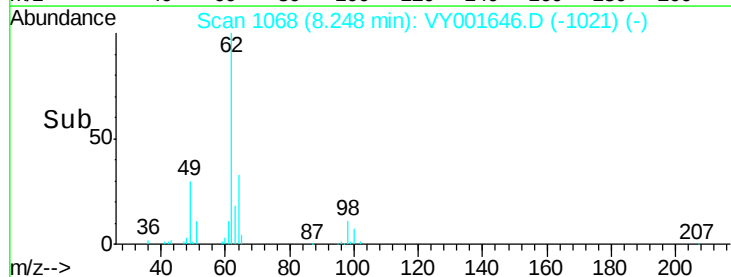
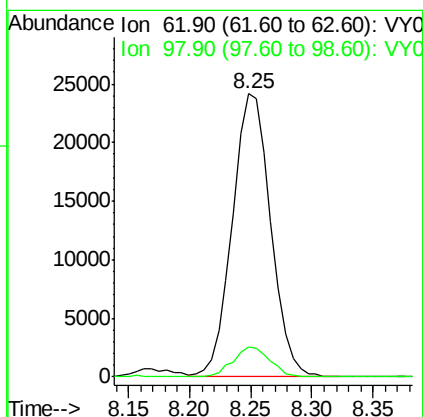
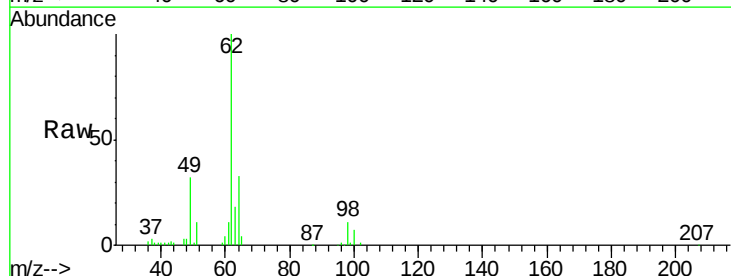
Manual Integrations
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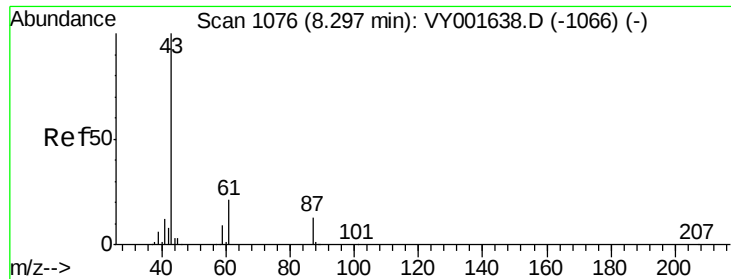
MMDadoda
2/19/2020 10:49:39 AM



#42
1,2-Dichloroethane
Concen: 19.459 ug/l
RT: 8.25 min Scan# 1068
Delta R.T. -0.01 min
Lab File: VY001646.D
Acq: 17 Feb 2020 15:16

Tgt Ion	62	Resp	52564
Ion Ratio	Lower	Upper	
62	100		
98	10.1	0.0	20.8





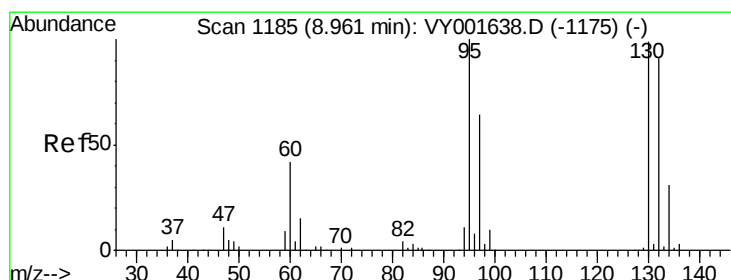
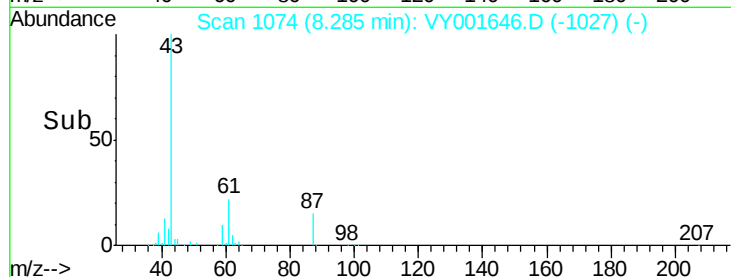
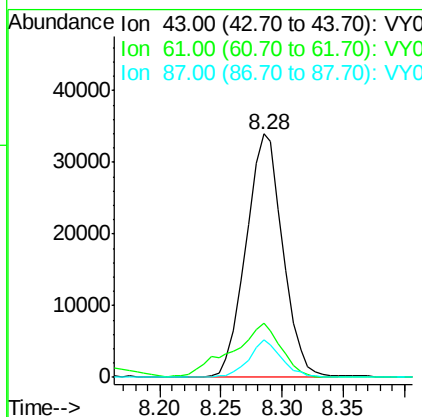
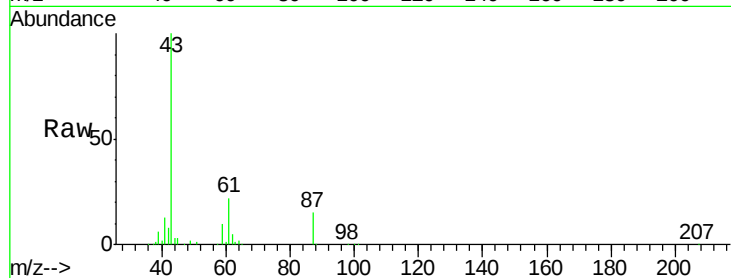
#43
Isopropyl Acetate
Concen: 18.610 ug/l
RT: 8.28 min Scan# 1074
Delta R.T. -0.01 min
Lab File: VY001646.D
Acq: 17 Feb 2020 15:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0217SBS01

Tot Ion	43	Resp	71054
Ion Ratio	100	Lower	Upper
43	100		
61	29.8	23.0	34.4
87	13.7	10.7	16.1

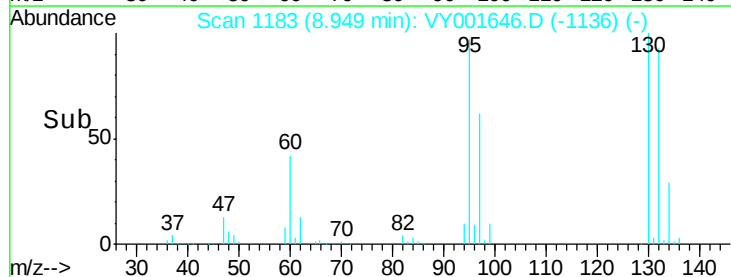
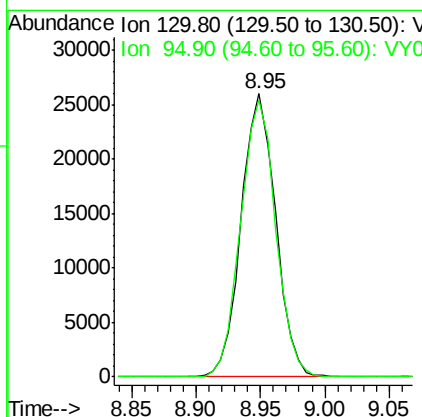
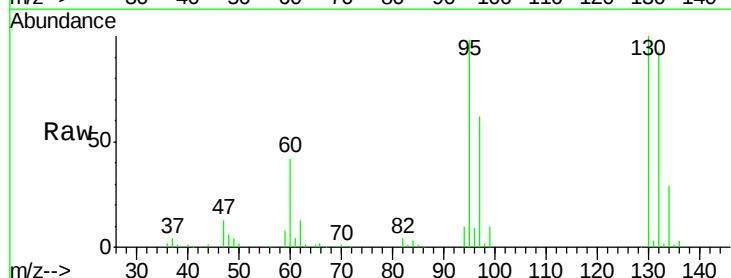
Manual Integrations
APPROVED

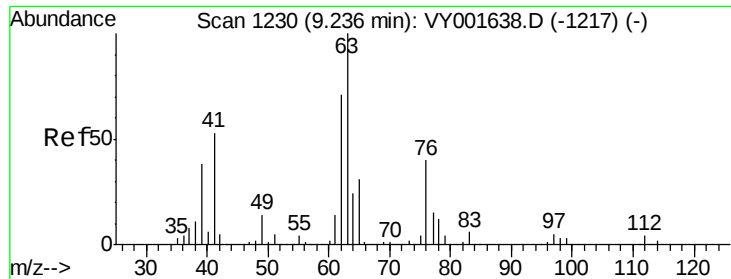
MMDadoda
2/19/2020 10:49:39 AM



#44
Trichloroethene
Concen: 19.430 ug/l
RT: 8.95 min Scan# 1183
Delta R.T. -0.01 min
Lab File: VY001646.D
Acq: 17 Feb 2020 15:16

Tgt Ion	130	Resp	48093
Ion Ratio	100	Lower	Upper
130	100		
95	97.8	0.0	200.6





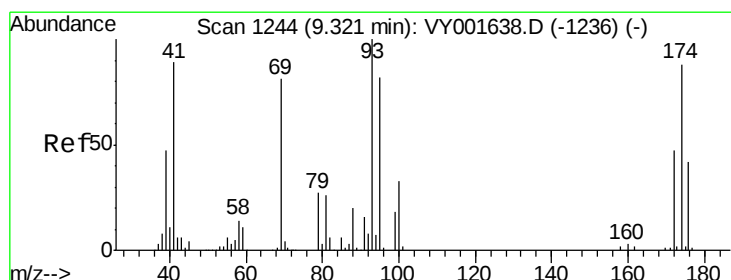
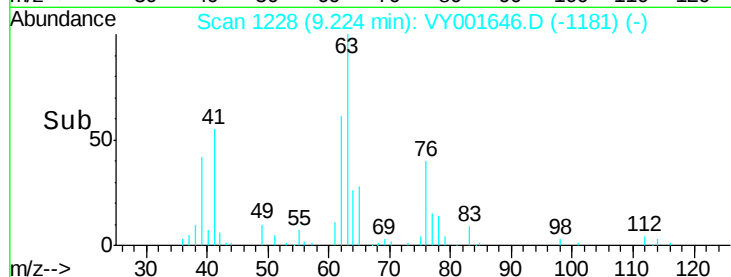
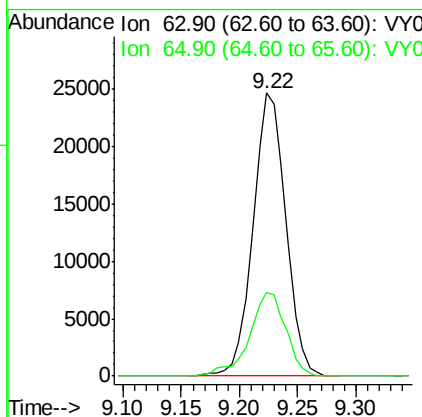
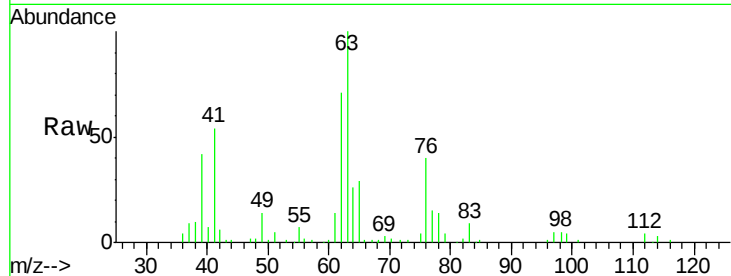
#45
1,2-Dichloropropane
Concen: 19.420 ug/l
RT: 9.22 min Scan# 1228
Delta R.T. -0.01 min
Lab File: VY001646.D
Acq: 17 Feb 2020 15:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0217SBS01

Tot Ion: 63 Resp: 48226
Ion Ratio Lower Upper
63 100
65 29.4 24.6 37.0

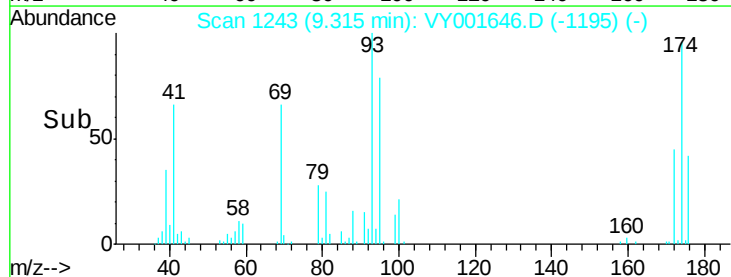
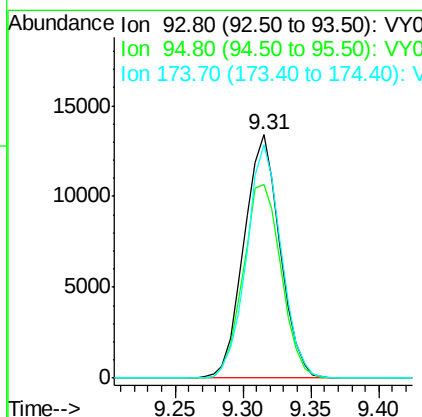
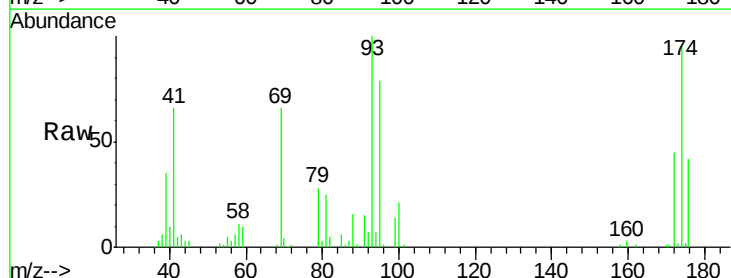
Manual Integrations
APPROVED

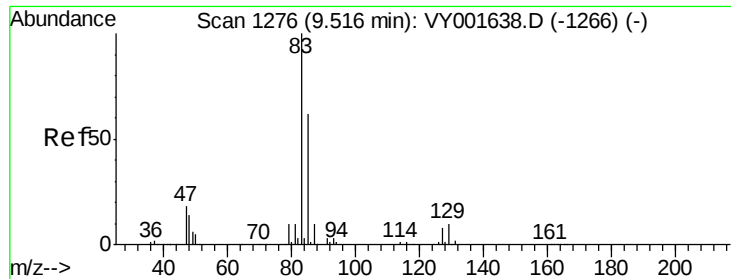
MMDadoda
2/19/2020 10:49:39 AM



#46
Dibromomethane
Concen: 19.171 ug/l
RT: 9.31 min Scan# 1243
Delta R.T. -0.01 min
Lab File: VY001646.D
Acq: 17 Feb 2020 15:16

Tgt Ion: 93 Resp: 24900
Ion Ratio Lower Upper
93 100
95 83.5 66.1 99.1
174 92.4 72.5 108.7





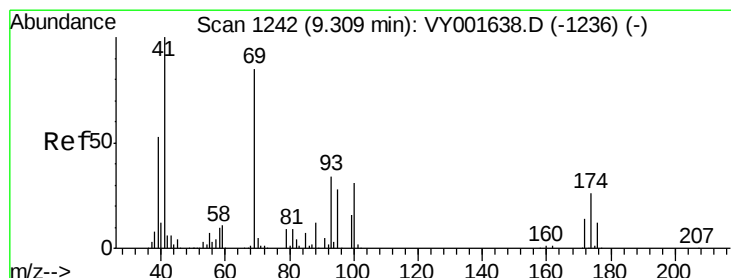
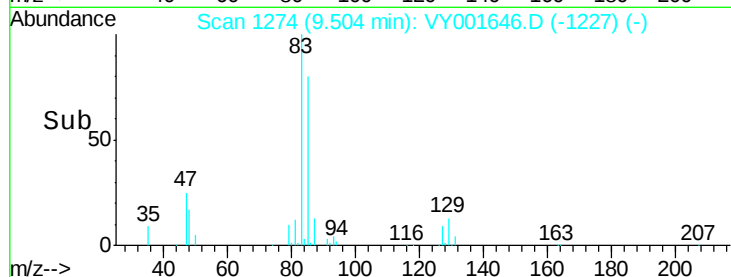
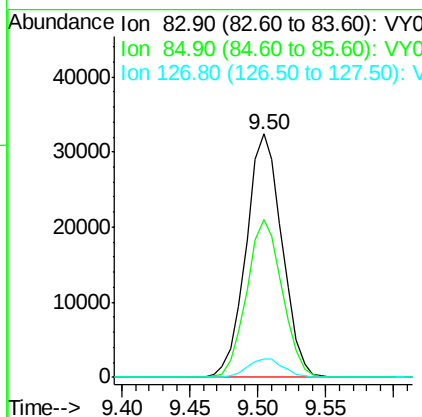
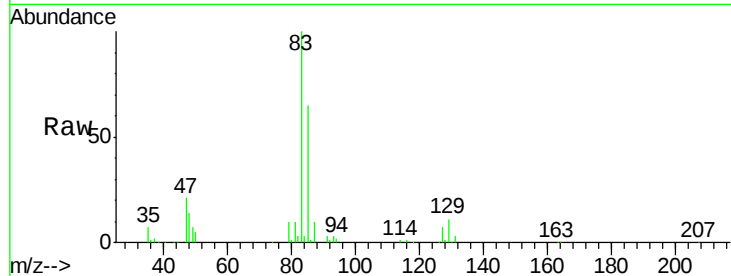
#47
Bromodichloromethane
Concen: 19.150 ug/l
RT: 9.50 min Scan# 1274
Delta R.T. -0.01 min
Lab File: VY001646.D
Acq: 17 Feb 2020 15:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0217SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	60030		
85	65.1		51.4	77.0
127	7.4		6.4	9.6

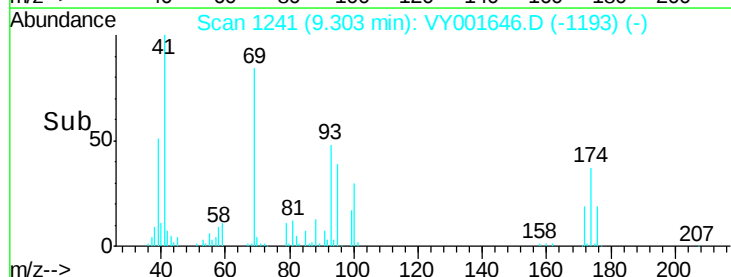
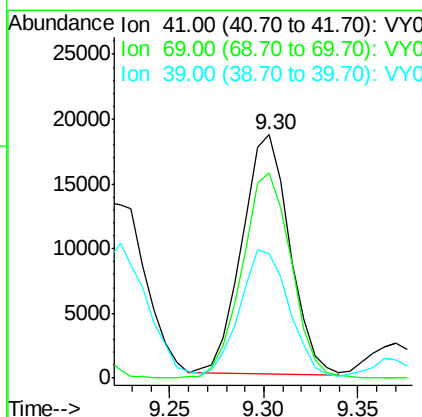
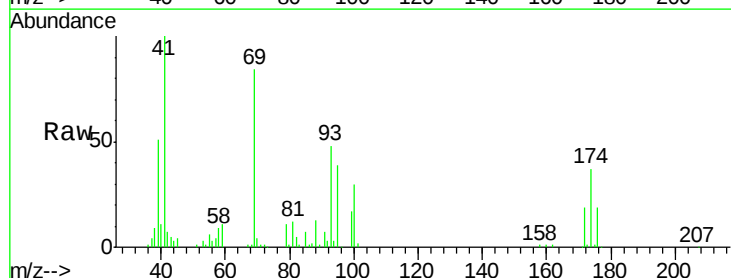
Manual Integrations
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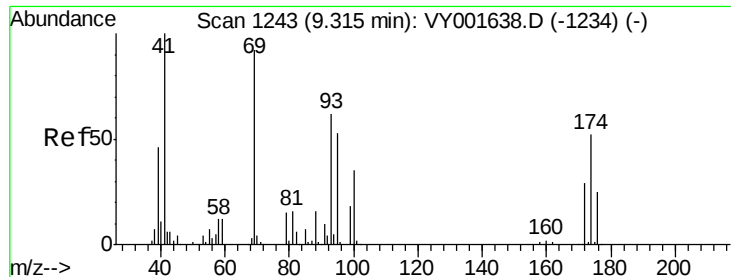
MMDadoda
2/19/2020 10:49:39 AM



#48
Methyl methacrylate
Concen: 18.792 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. -0.01 min
Lab File: VY001646.D
Acq: 17 Feb 2020 15:16

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	32448		
69	88.6		70.7	106.1
39	56.0		42.2	63.2





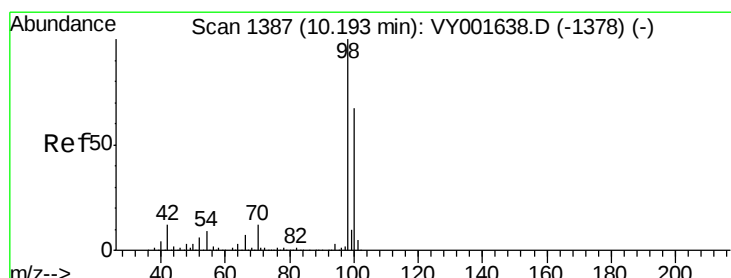
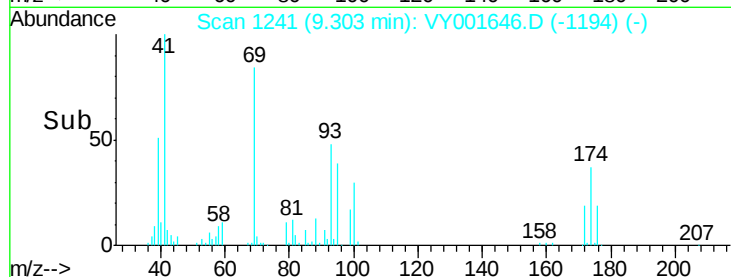
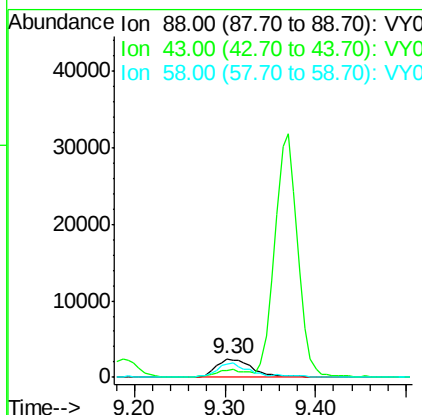
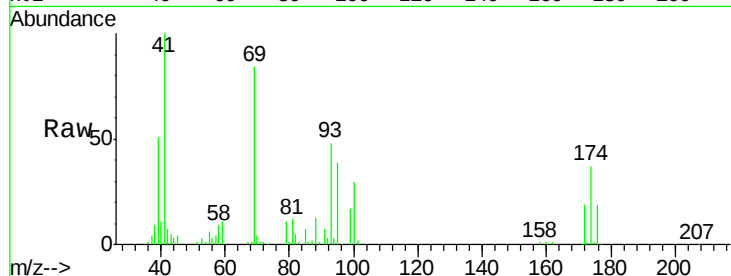
#49
1,4-Dioxane
Concen: 371.714 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. -0.01 min
Lab File: VY001646.D
Acq: 17 Feb 2020 15:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0217SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.2	23.1	34.7
58	65.6	58.1	87.1

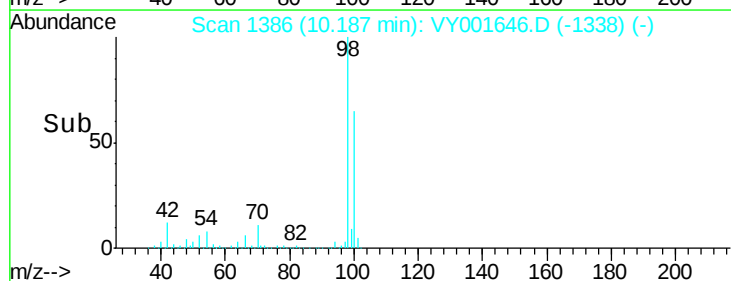
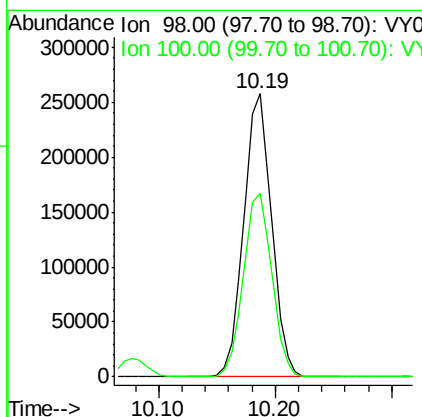
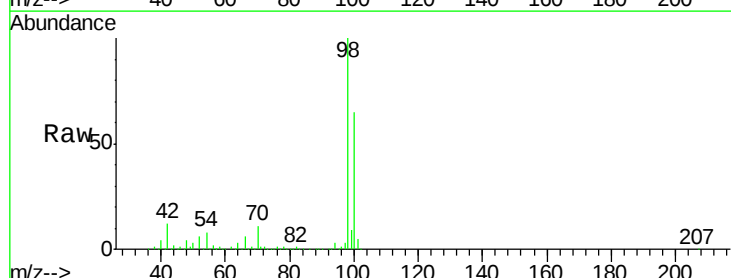
Manual Integrations
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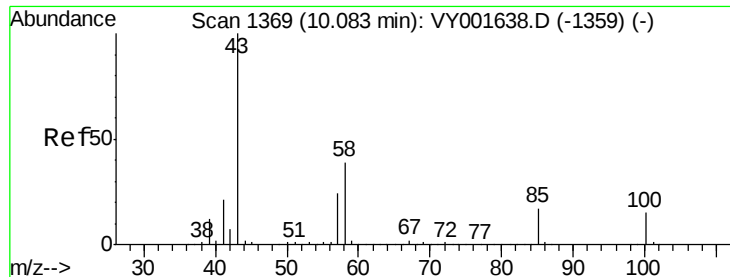
MMDadoda
2/19/2020 10:49:39 AM



#50
Toluene-d8
Concen: 54.610 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. -0.01 min
Lab File: VY001646.D
Acq: 17 Feb 2020 15:16

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.4	53.0	79.4





#51

4-Methyl-2-Pentanone

Concen: 94.721 ug/l

RT: 10.08 min Scan# 1368

Delta R.T. -0.01 min

Lab File: VY001646.D

Acq: 17 Feb 2020 15:16

Instrument :

MSVOA_Y

ClientSampleId :

VY0217SBS01

Tot Ion: 43 Resp: 185807

Ion Ratio Lower Upper

43 100

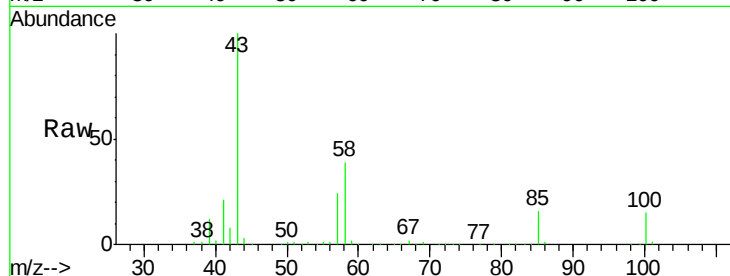
58 39.0 32.2 48.4

Manual Integrations

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MMDadoda

2/19/2020 10:49:39 AM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

10.08

120000

100000

80000

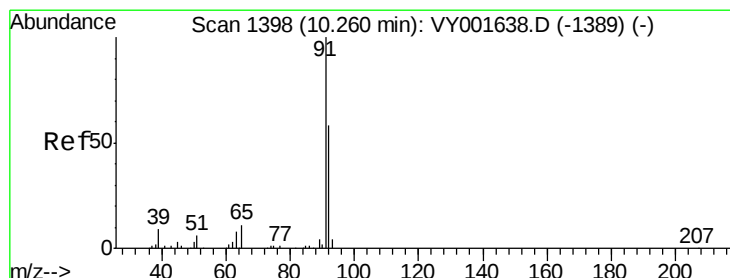
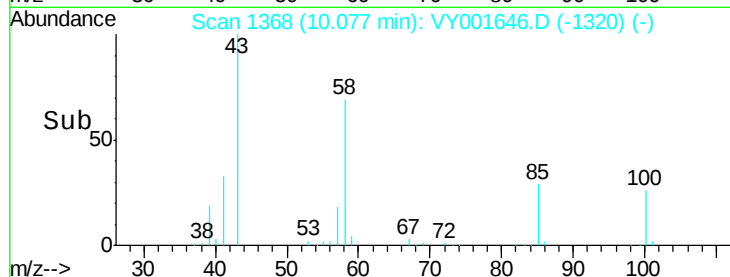
60000

40000

20000

0

Time-->



#52

Toluene

Concen: 19.407 ug/l

RT: 10.25 min Scan# 1396

Delta R.T. -0.01 min

Lab File: VY001646.D

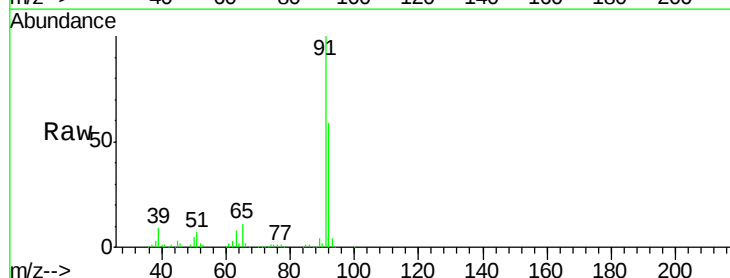
Acq: 17 Feb 2020 15:16

Tgt Ion: 92 Resp: 120034

Ion Ratio Lower Upper

92 100

91 171.8 137.0 205.6



Abundance Ion 92.00 (91.70 to 92.70): VY0

Ion 91.00 (90.70 to 91.70): VY0

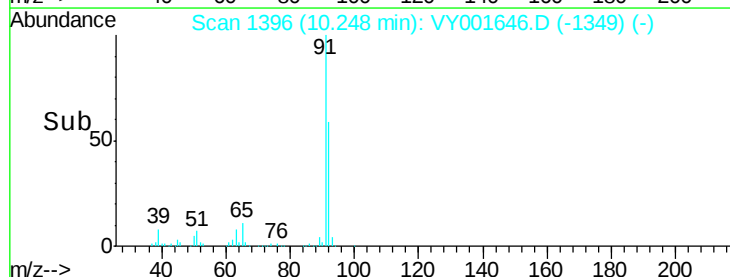
10.25

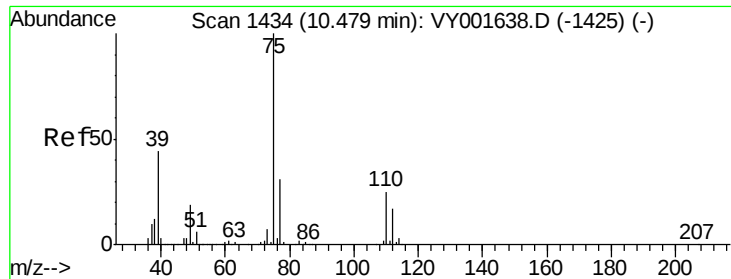
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 18.821 ug/l

RT: 10.47 min Scan# 1433

Delta R.T. -0.01 min

Lab File: VY001646.D

Acq: 17 Feb 2020 15:16

Instrument :

MSVOA_Y

ClientSampleId :

VY0217SBS01

Tot Ion: 75 Resp: 65223

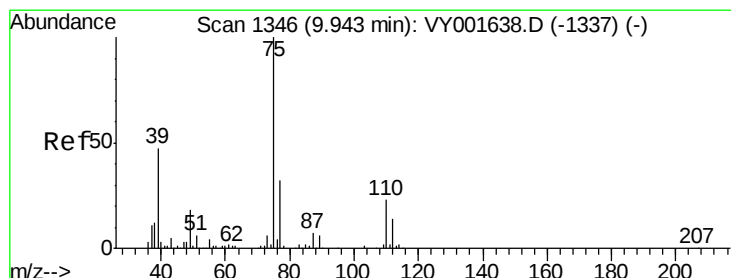
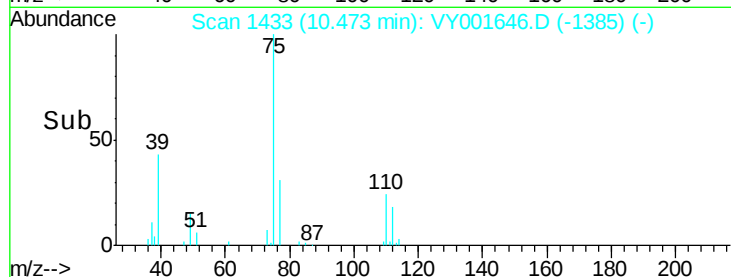
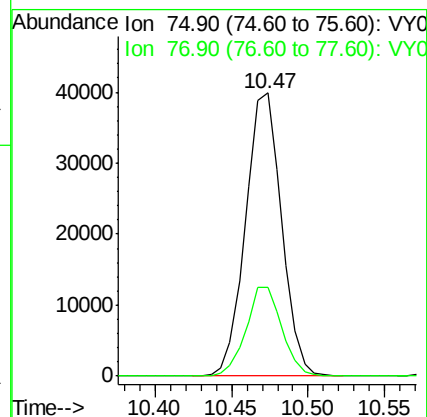
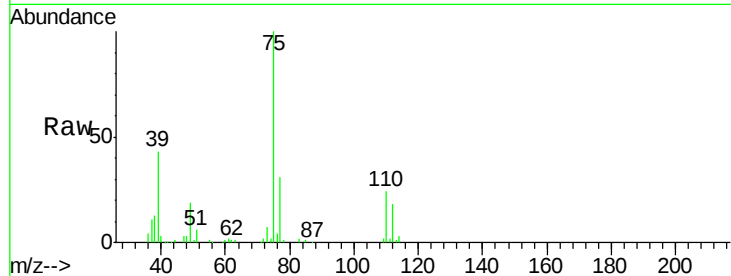
Ion Ratio Lower Upper

75 100

77 31.3 25.2 37.8

Manual Integrations
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2/19/2020 10:49:39 AM



#54

cis-1,3-Dichloropropene

Concen: 18.965 ug/l

RT: 9.94 min Scan# 1345

Delta R.T. -0.01 min

Lab File: VY001646.D

Acq: 17 Feb 2020 15:16

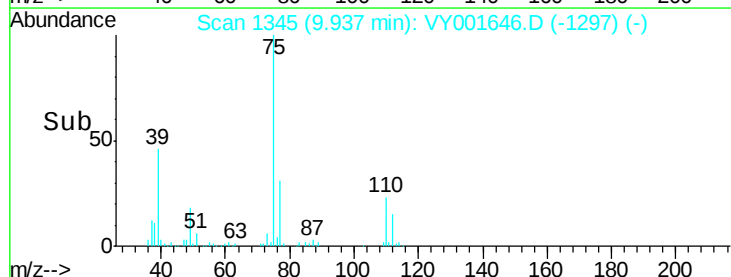
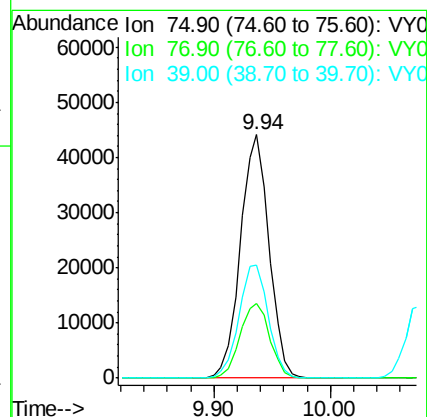
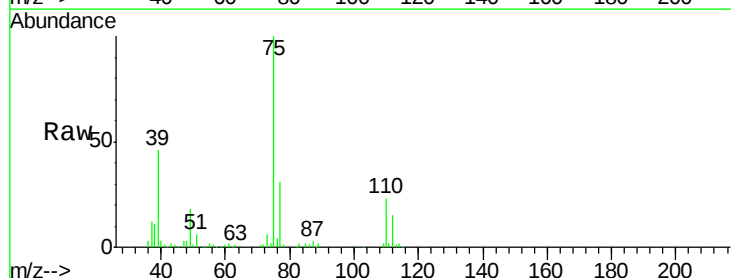
Tgt Ion: 75 Resp: 75641

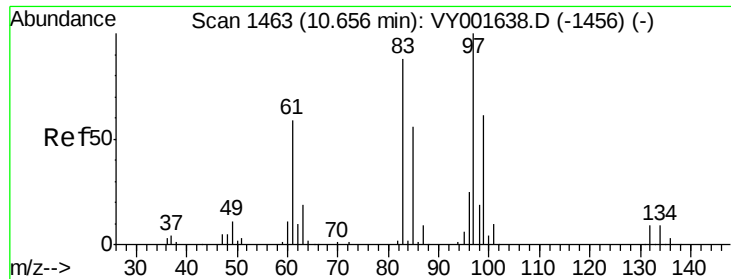
Ion Ratio Lower Upper

75 100

77 30.9 25.7 38.5

39 46.5 35.7 53.5





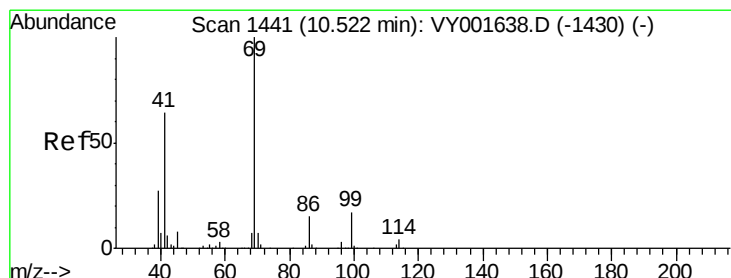
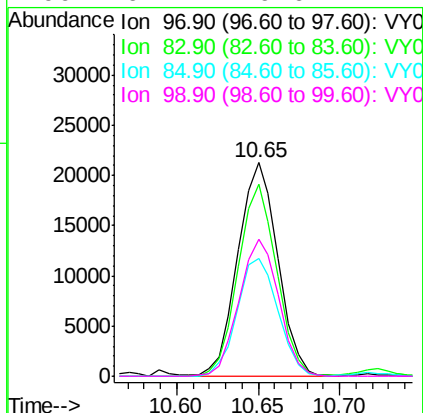
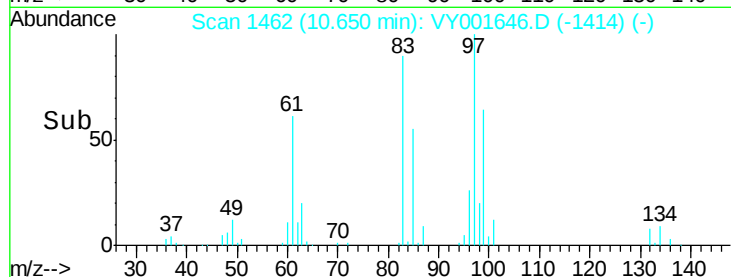
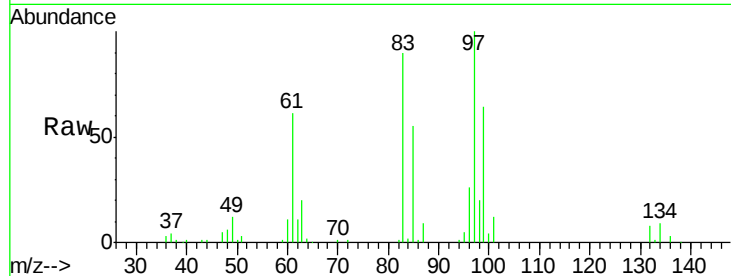
#55
 1,1,2-Trichloroethane
 Concen: 18.969 ug/l
 RT: 10.65 min Scan# 1462
 Delta R.T. -0.01 min
 Lab File: VY001646.D
 Acq: 17 Feb 2020 15:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0217SBS01

Tot Ion:	97	Resp:	36329
Ion	Ratio	Lower	Upper
97	100		
83	90.2	69.7	104.5
85	55.4	44.5	66.7
99	64.2	49.6	74.4

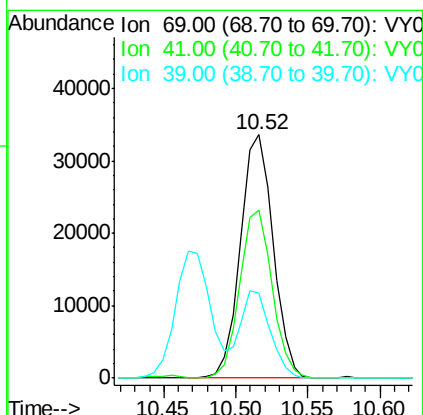
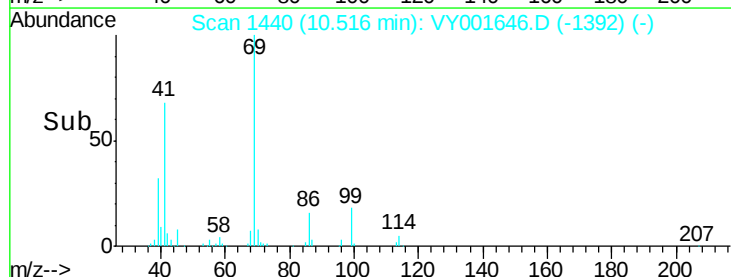
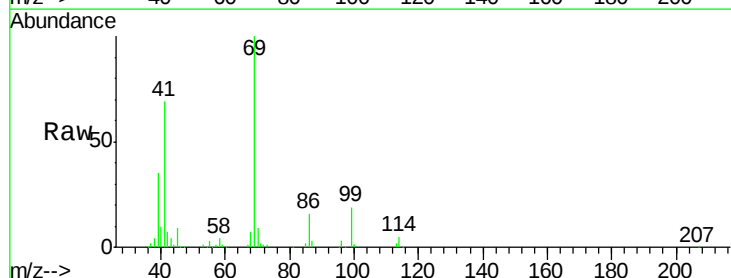
Manual Integrations
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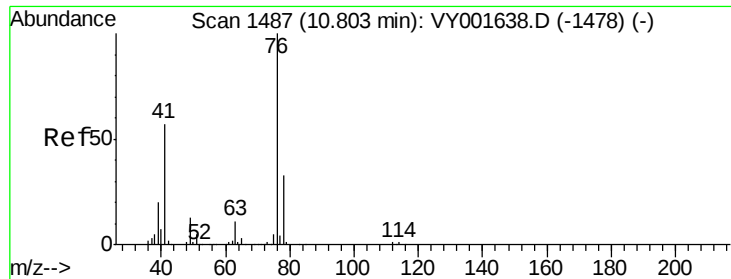
MMDadoda
 2/19/2020 10:49:39 AM



#56
 Ethyl methacrylate
 Concen: 18.442 ug/l
 RT: 10.52 min Scan# 1440
 Delta R.T. -0.01 min
 Lab File: VY001646.D
 Acq: 17 Feb 2020 15:16

Tgt Ion:	69	Resp:	52987
Ion	Ratio	Lower	Upper
69	100		
41	68.6	51.0	76.4
39	34.2	24.7	37.1





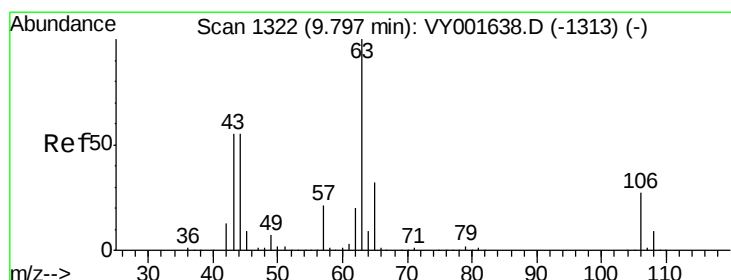
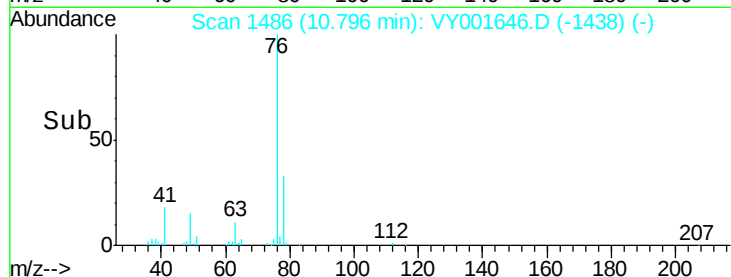
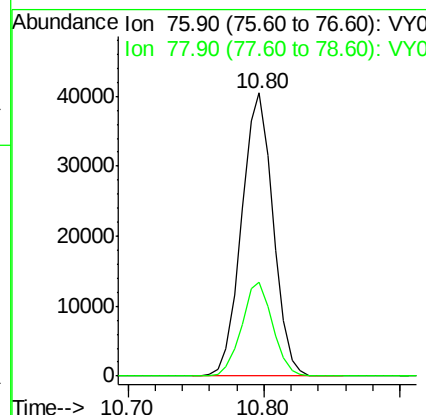
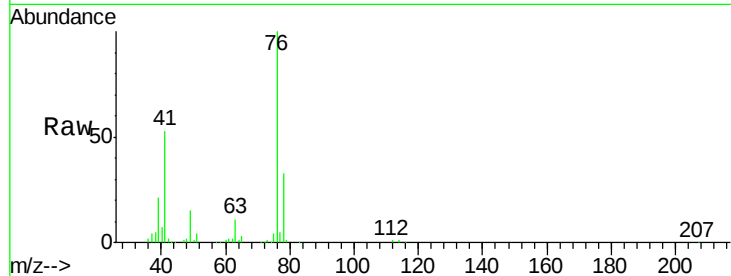
#57
 1,3-Dichloropropane
 Concen: 19.192 ug/l
 RT: 10.80 min Scan# 1486
 Delta R.T. -0.01 min
 Lab File: VY001646.D
 Acq: 17 Feb 2020 15:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0217SBS01

Tot Ion: 76 Resp: 65309
 Ion Ratio Lower Upper
 76 100
 78 32.7 25.7 38.5

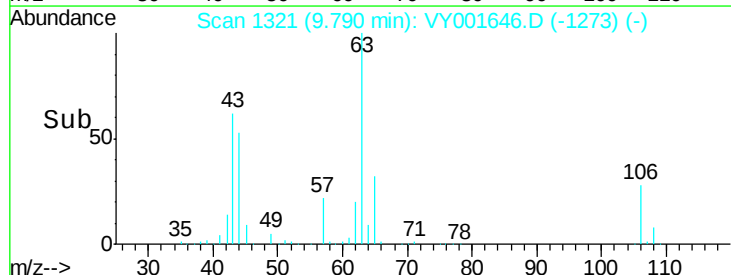
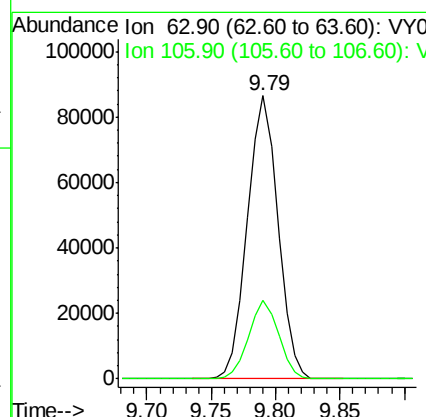
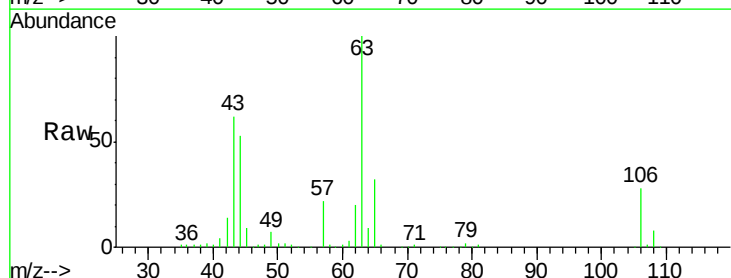
Manual Integrations
 APPROVED

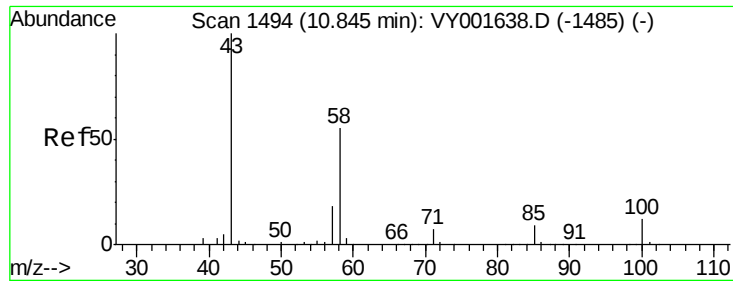
MMDadoda
 2/19/2020 10:49:39 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 121.231 ug/l
 RT: 9.79 min Scan# 1321
 Delta R.T. -0.01 min
 Lab File: VY001646.D
 Acq: 17 Feb 2020 15:16

Tgt Ion: 63 Resp: 141633
 Ion Ratio Lower Upper
 63 100
 106 27.1 21.6 32.4





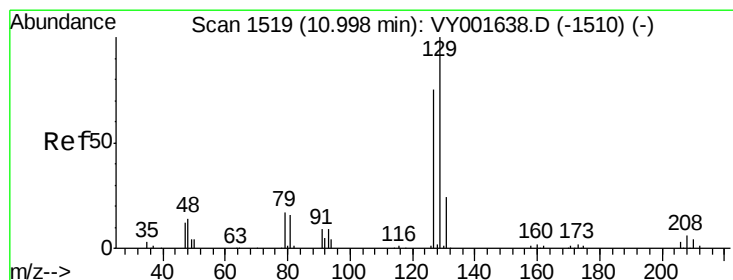
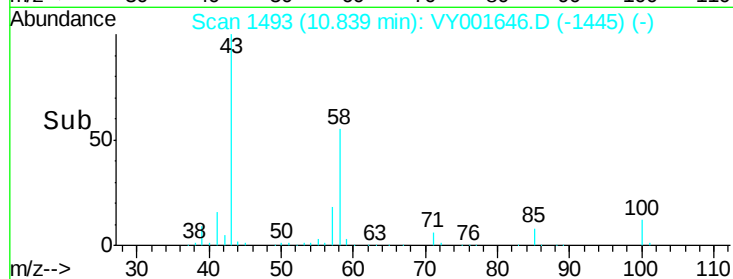
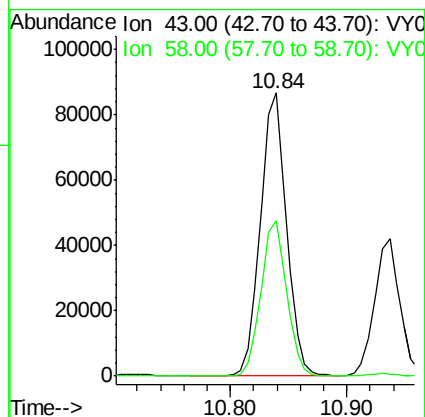
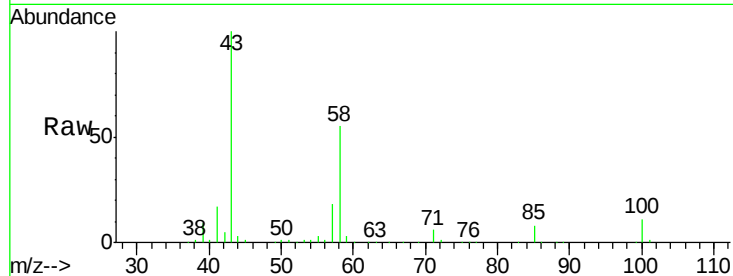
#59
2-Hexanone
Concen: 91.825 ug/l
RT: 10.84 min Scan# 1493
Delta R.T. -0.01 min
Lab File: VY001646.D
Acq: 17 Feb 2020 15:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0217SBS01

Tot Ion: 43 Resp: 135152
Ion Ratio Lower Upper
43 100
58 54.4 28.4 85.2

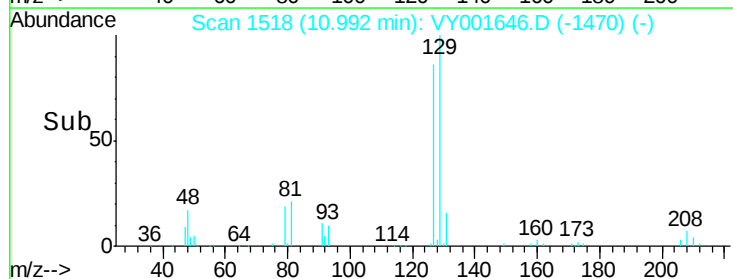
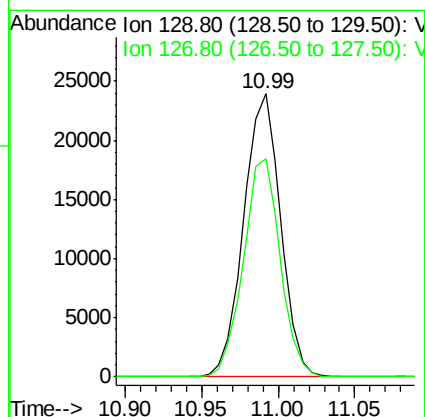
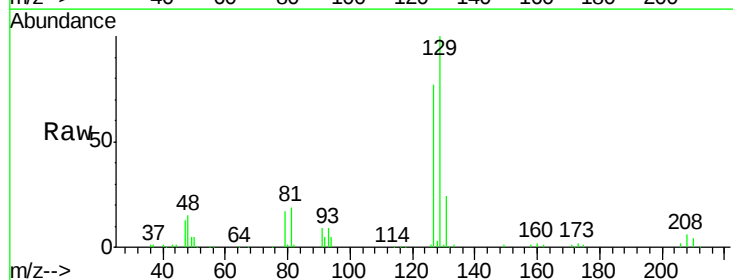
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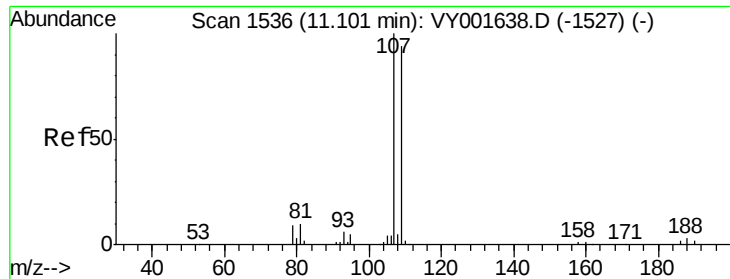
MMDadoda
2/19/2020 10:49:39 AM



#60
Dibromochloromethane
Concen: 18.971 ug/l
RT: 10.99 min Scan# 1518
Delta R.T. -0.01 min
Lab File: VY001646.D
Acq: 17 Feb 2020 15:16

Tgt Ion: 129 Resp: 40058
Ion Ratio Lower Upper
129 100
127 76.9 38.9 116.6





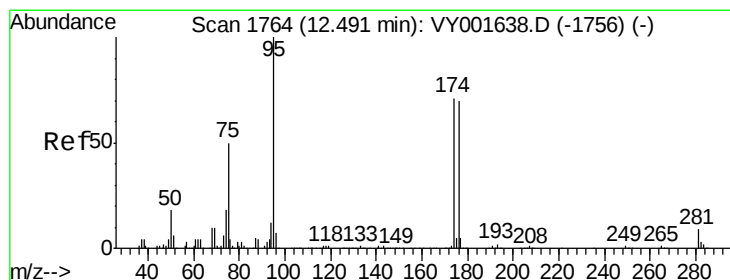
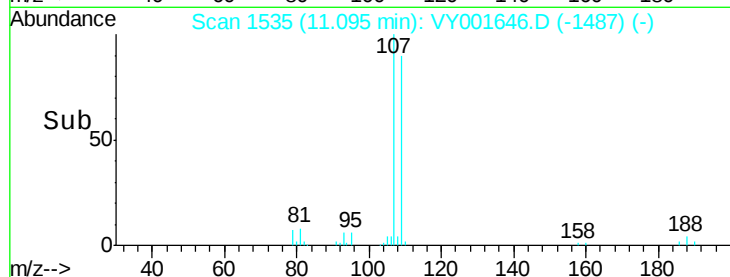
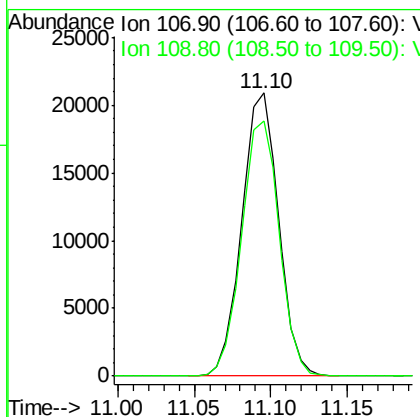
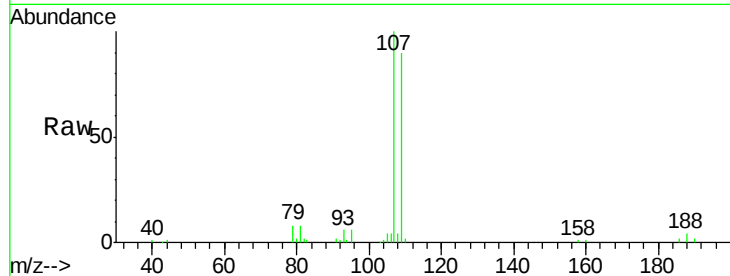
#61
 1,2-Dibromoethane
 Concen: 19.299 ug/l
 RT: 11.10 min Scan# 1535
 Delta R.T. -0.01 min
 Lab File: VY001646.D
 Acq: 17 Feb 2020 15:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0217SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.3	74.2	111.4

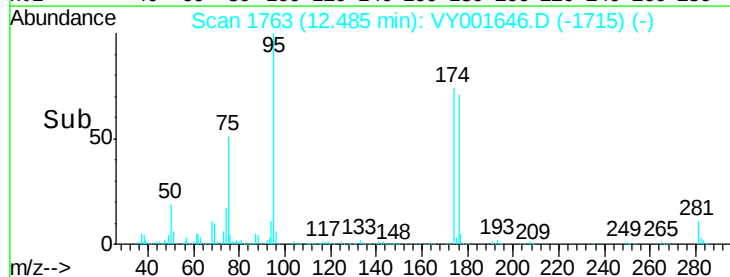
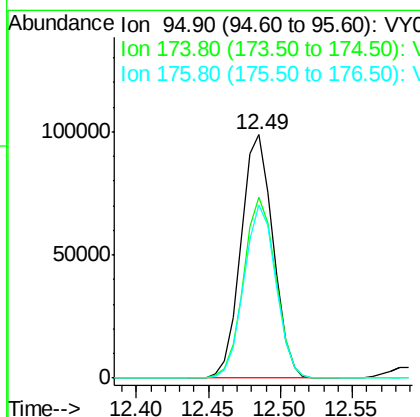
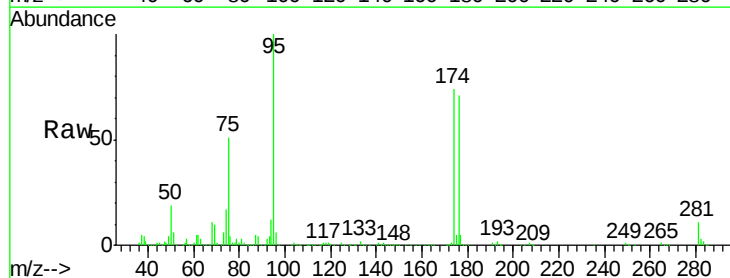
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 2/19/2020 10:49:39 AM



#62
 4-Bromofluorobenzene
 Concen: 49.527 ug/l
 RT: 12.49 min Scan# 1763
 Delta R.T. -0.01 min
 Lab File: VY001646.D
 Acq: 17 Feb 2020 15:16

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.1	0.0	138.4
176	70.5	0.0	131.8





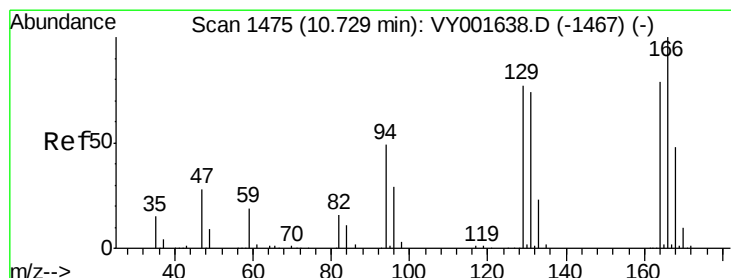
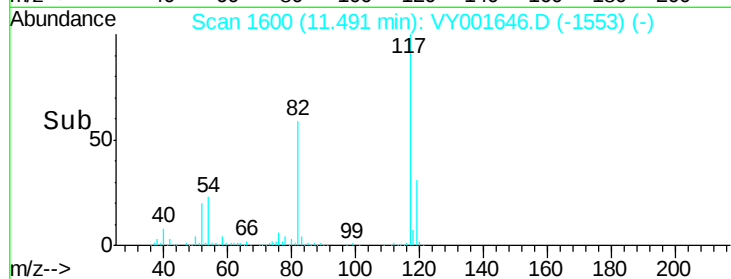
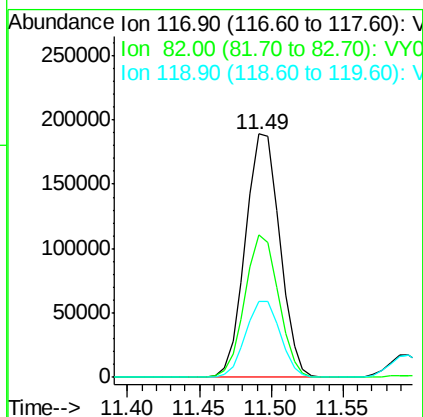
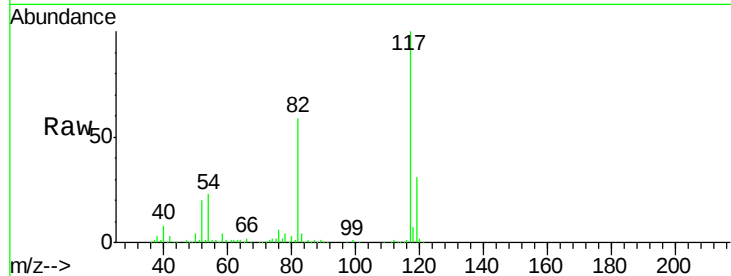
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY001646.D
Acq: 17 Feb 2020 15:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0217SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.6	45.5	68.3
119	31.0	25.8	38.6

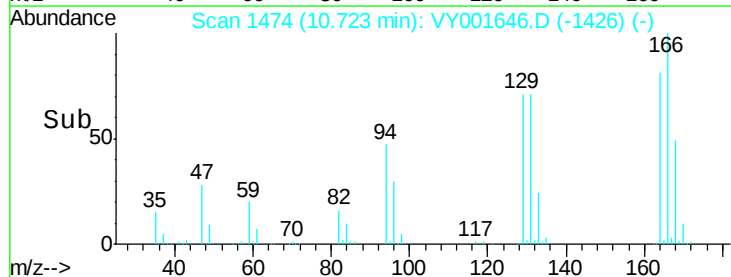
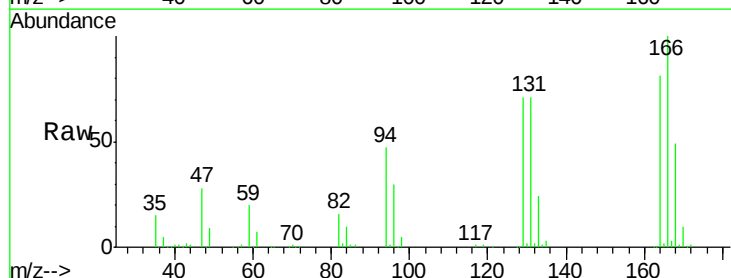
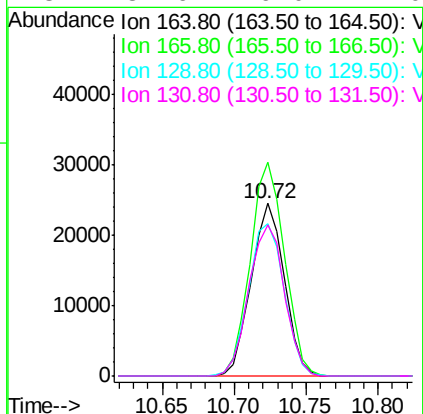
Manual Integrations
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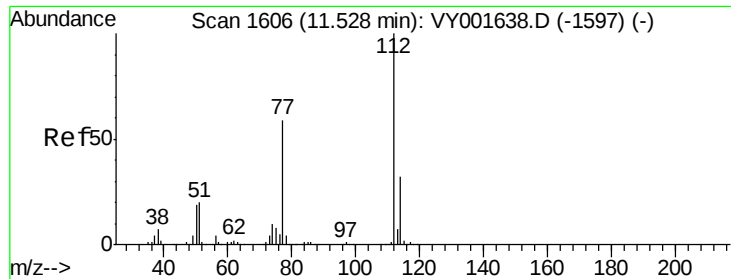
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#64
Tetrachloroethene
Concen: 19.837 ug/l
RT: 10.72 min Scan# 1474
Delta R.T. -0.01 min
Lab File: VY001646.D
Acq: 17 Feb 2020 15:16

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.7	101.4	152.0
129	88.3	78.7	118.1
131	87.6	76.0	114.0





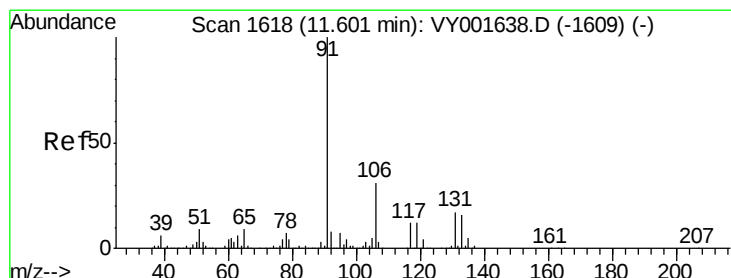
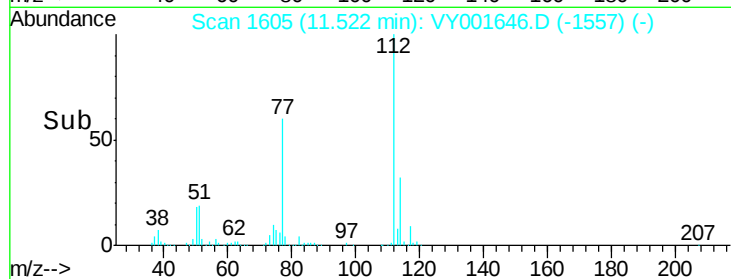
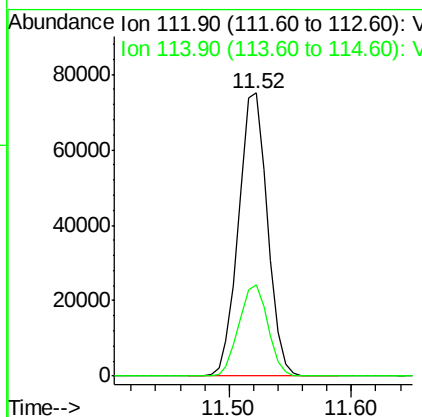
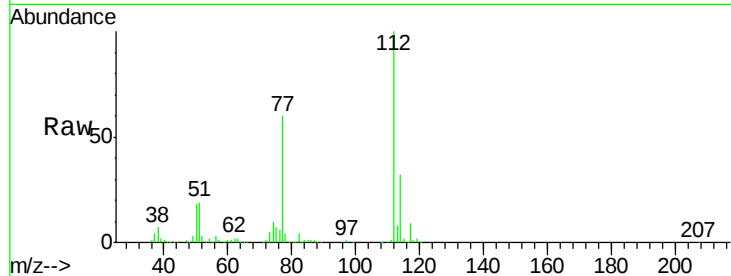
#65
Chlorobenzene
Concen: 19.682 ug/l
RT: 11.52 min Scan# 1605
Delta R.T. -0.01 min
Lab File: VY001646.D
Acq: 17 Feb 2020 15:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0217SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.2	25.4	38.2

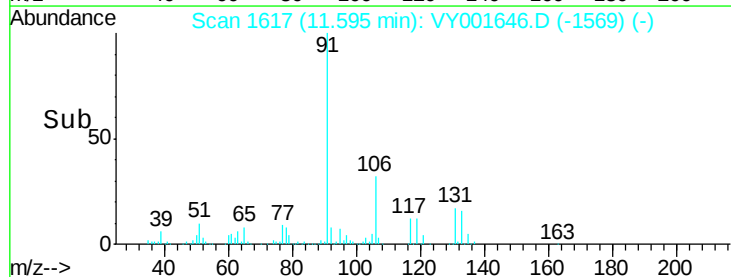
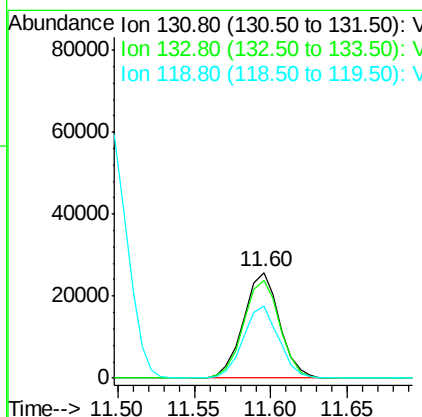
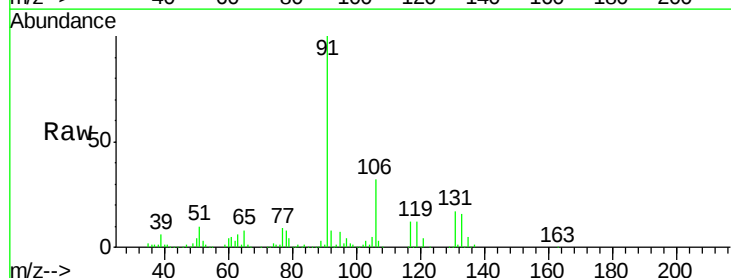
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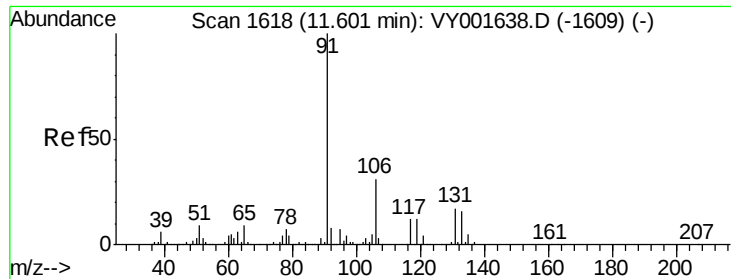
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.000 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. -0.01 min
Lab File: VY001646.D
Acq: 17 Feb 2020 15:16

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.1	47.4	142.2
119	66.9	34.4	103.1





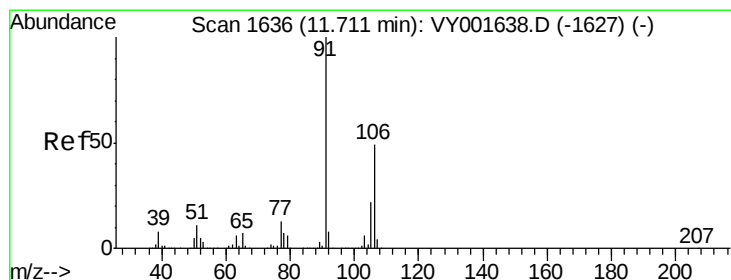
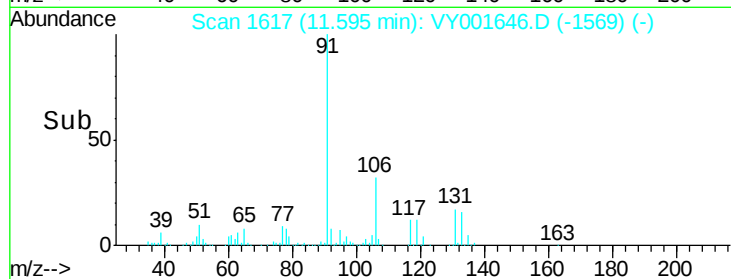
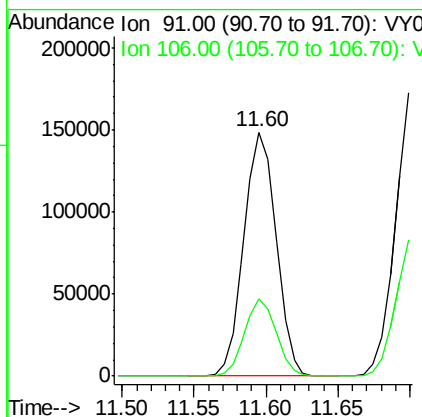
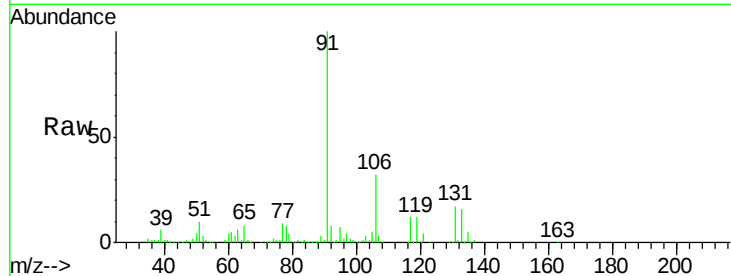
#67
Ethyl Benzene
Concen: 19.969 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. -0.01 min
Lab File: VY001646.D
Acq: 17 Feb 2020 15:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0217SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
106	31.7	24.5	36.7

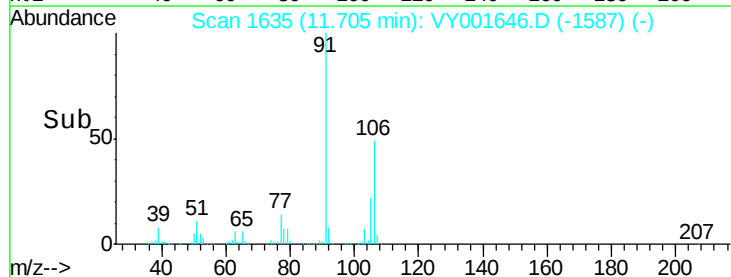
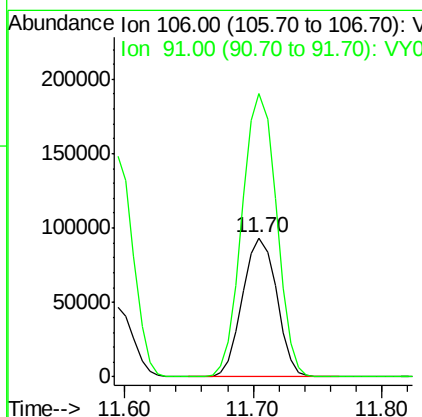
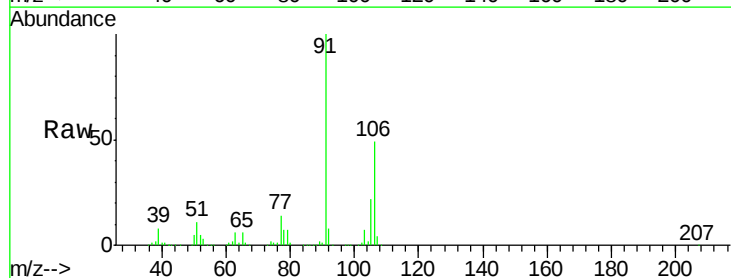
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#68
m/p-Xylenes
Concen: 39.680 ug/l
RT: 11.70 min Scan# 1635
Delta R.T. -0.01 min
Lab File: VY001646.D
Acq: 17 Feb 2020 15:16

Tgt Ion	Ratio	Lower	Upper
106	100		
91	205.2	163.3	244.9





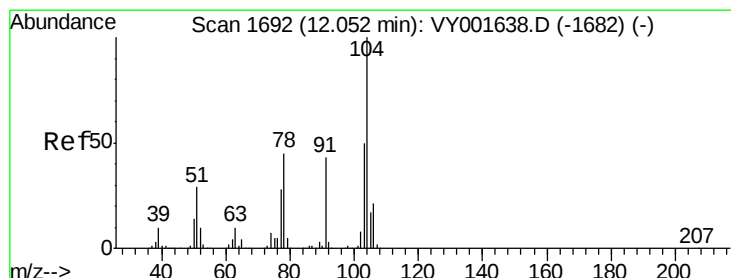
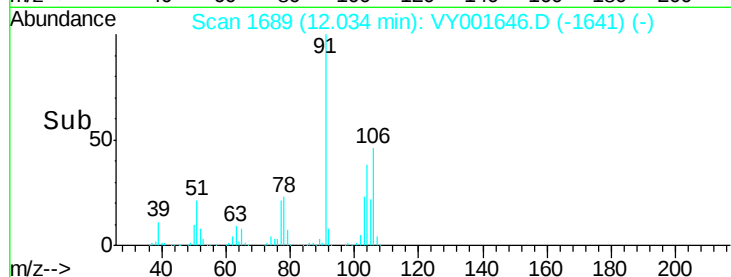
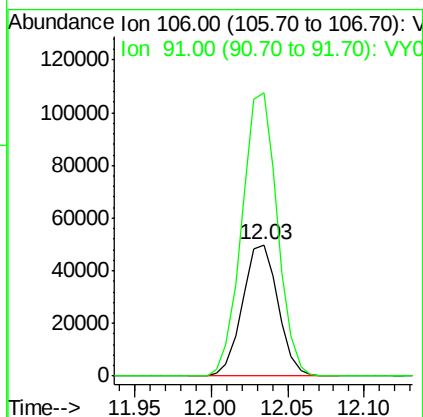
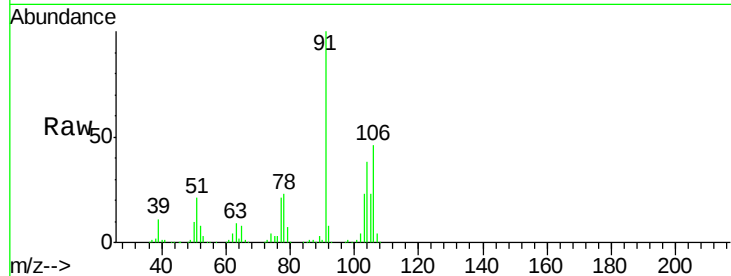
#69
o-Xylene
Concen: 19.541 ug/l
RT: 12.03 min Scan# 1689
Delta R.T. -0.01 min
Lab File: VY001646.D
Acq: 17 Feb 2020 15:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0217SBS01

Tot Ion:106 Resp: 80321
Ion Ratio Lower Upper
106 100
91 215.0 108.3 324.9

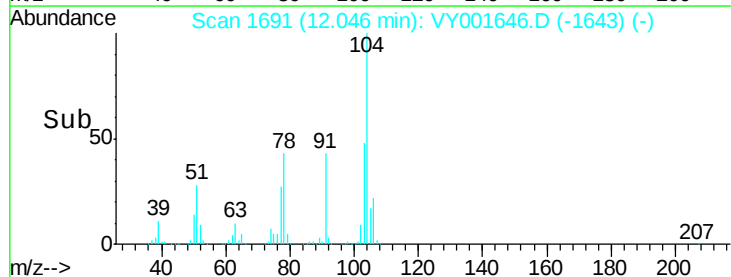
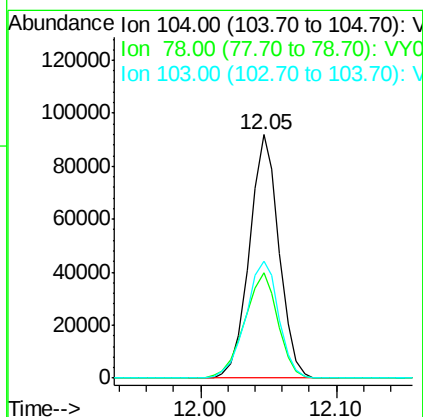
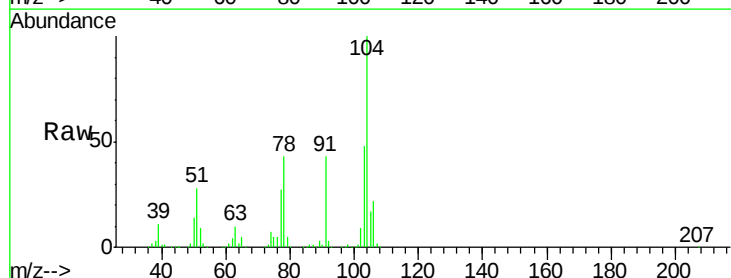
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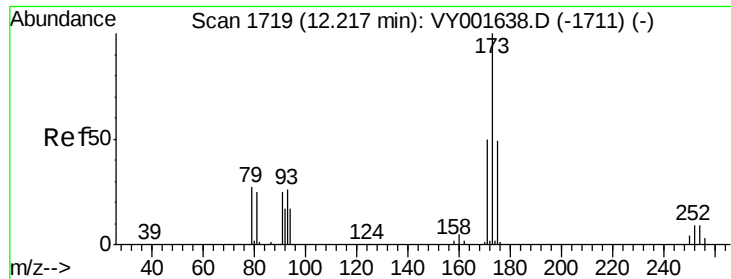
MMDadoda
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#70
Styrene
Concen: 19.588 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. -0.01 min
Lab File: VY001646.D
Acq: 17 Feb 2020 15:16

Tgt Ion:104 Resp: 139929
Ion Ratio Lower Upper
104 100
78 48.8 39.2 58.8
103 53.6 43.0 64.6





#71

Bromoform

Concen: 18.816 ug/l

RT: 12.21 min Scan# 1718

Delta R.T. -0.01 min

Lab File: VY001646.D

Acq: 17 Feb 2020 15:16

Instrument :

MSVOA_Y

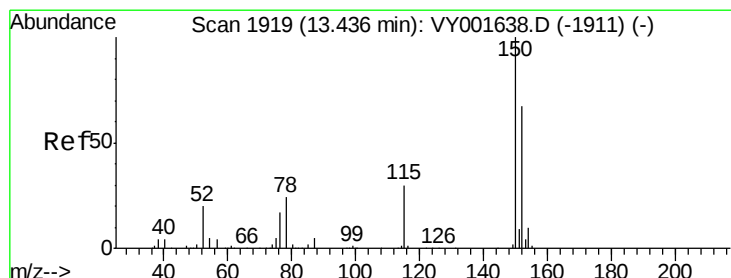
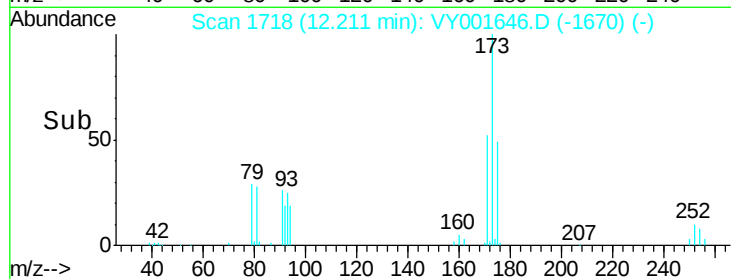
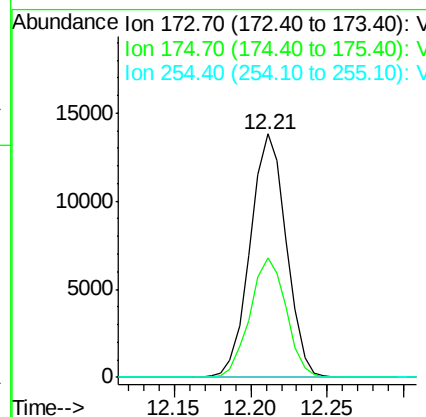
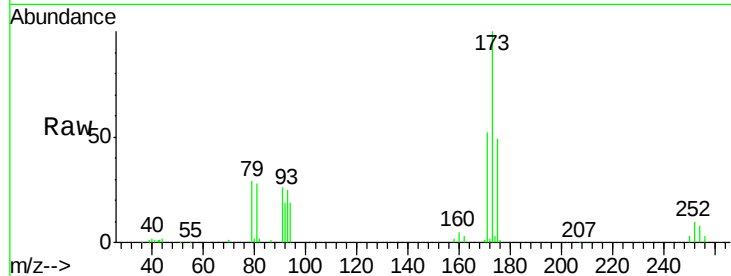
ClientSampleId :

VY0217SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.3	73.0
254	0.0	0.1	0.1#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

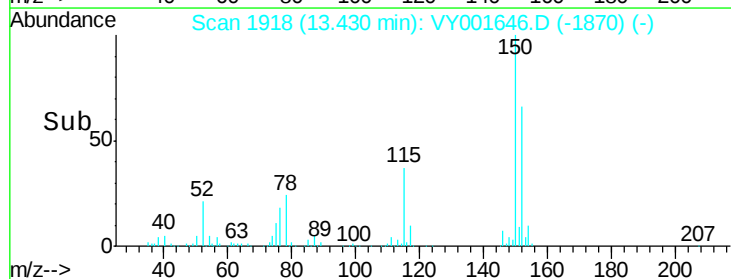
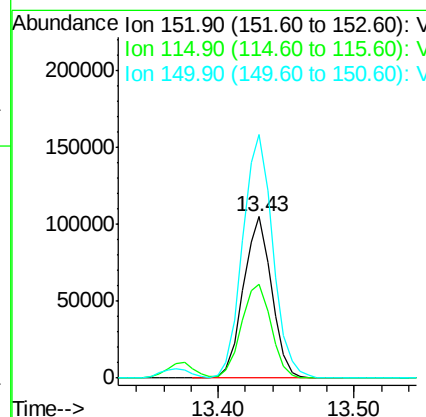
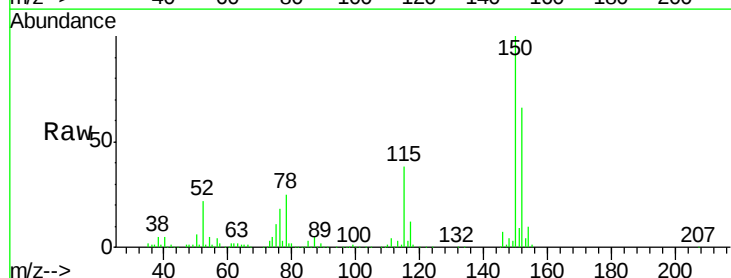
RT: 13.43 min Scan# 1918

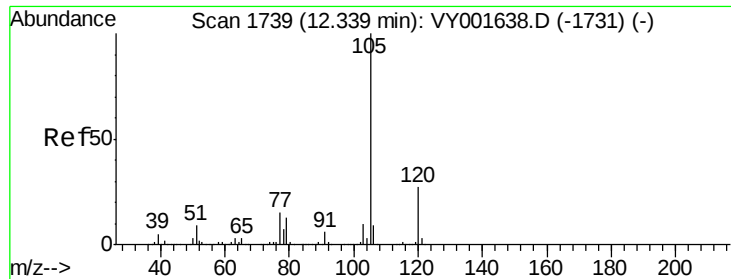
Delta R.T. -0.01 min

Lab File: VY001646.D

Acq: 17 Feb 2020 15:16

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.9	31.4	94.2
150	161.7	0.0	407.2





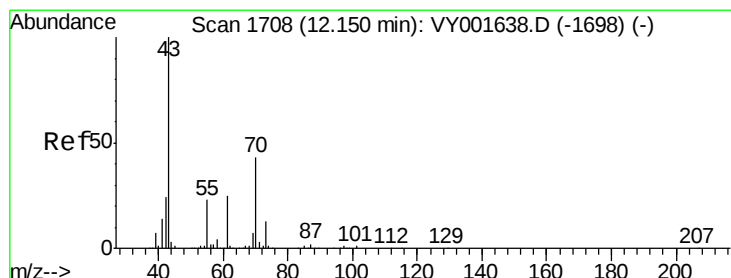
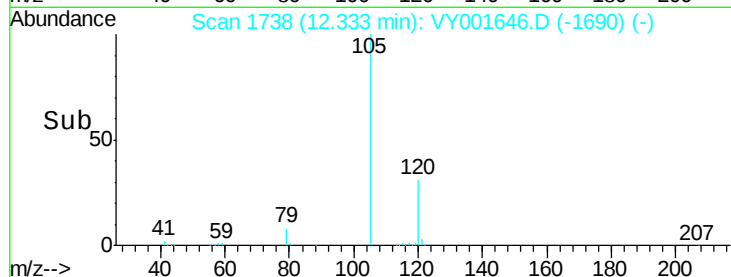
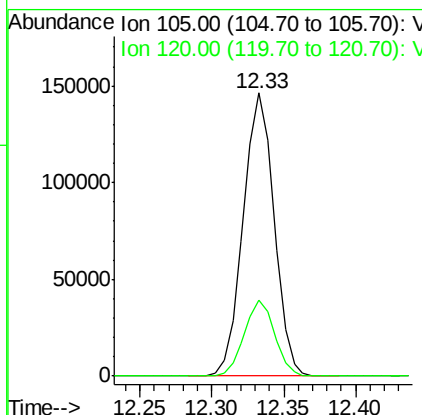
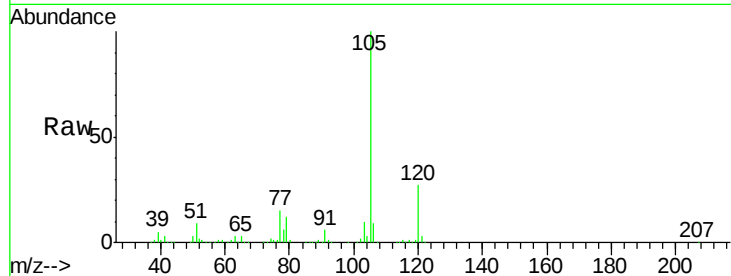
#73
Isopropylbenzene
Concen: 18.770 ug/l
RT: 12.33 min Scan# 1738
Delta R.T. -0.01 min
Lab File: VY001646.D
Acq: 17 Feb 2020 15:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0217SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	217189		
120	26.5	13.4	40.1	

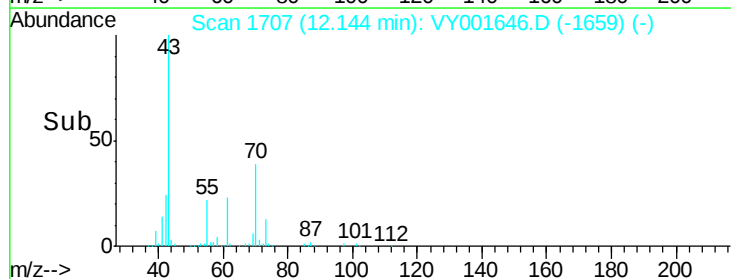
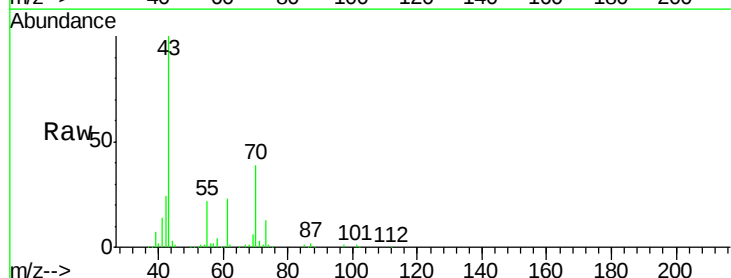
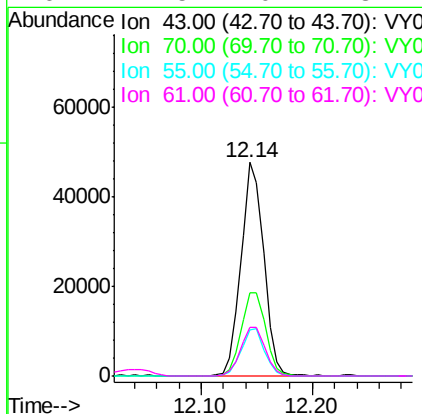
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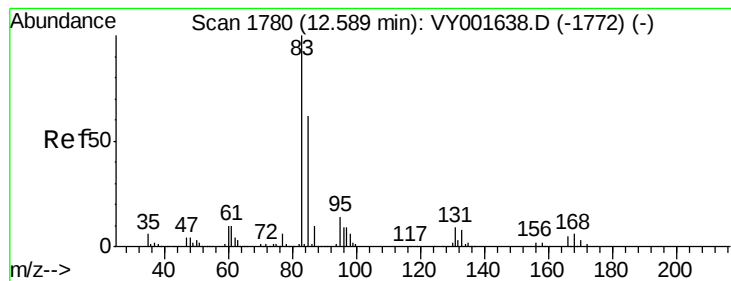
MMDadoda
2/19/2020 10:49:39 AM



#74
N-ethyl acetate
Concen: 18.373 ug/l
RT: 12.14 min Scan# 1707
Delta R.T. -0.01 min
Lab File: VY001646.D
Acq: 17 Feb 2020 15:16

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	67847		
70	41.8	35.9	53.9	
55	22.8	18.3	27.5	
61	24.5	20.7	31.1	





#75

1,1,2,2-Tetrachloroethane

Concen: 18.287 ug/l

RT: 12.59 min Scan# 1780

Delta R.T. -0.00 min

Lab File: VY001646.D

Acq: 17 Feb 2020 15:16

Instrument :

MSVOA_Y

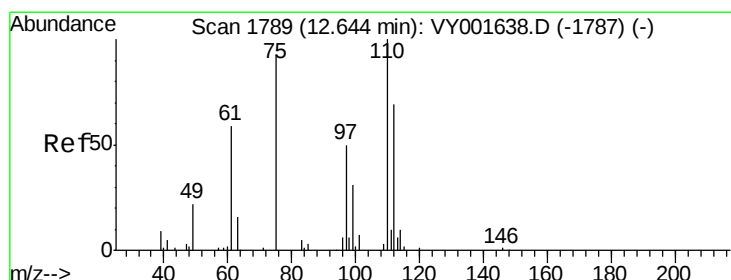
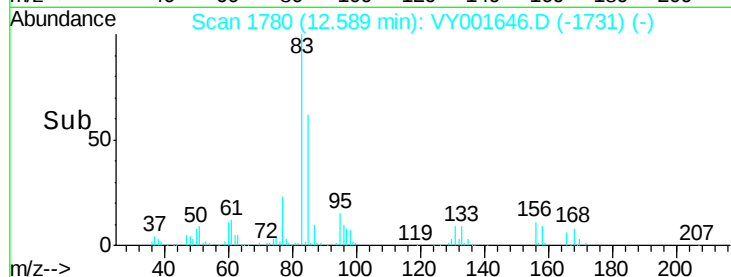
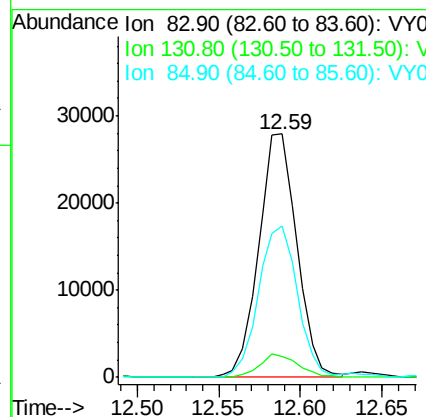
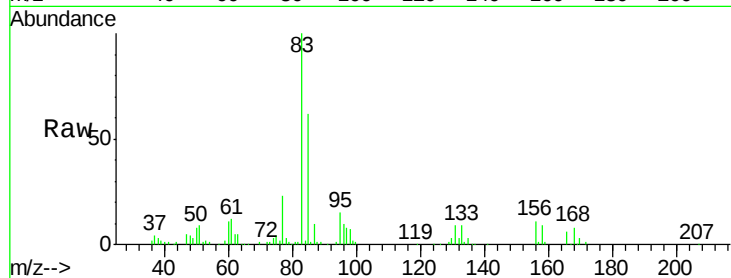
ClientSampleId :

VY0217SBS01

Tot Ion:	83	Resp:	45181
Ion Ratio	Lower	Upper	
83	100		
131	9.7	4.7	14.1
85	63.7	31.6	94.7

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#76

1,2,3-Trichloropropane

Concen: 16.919 ug/l m

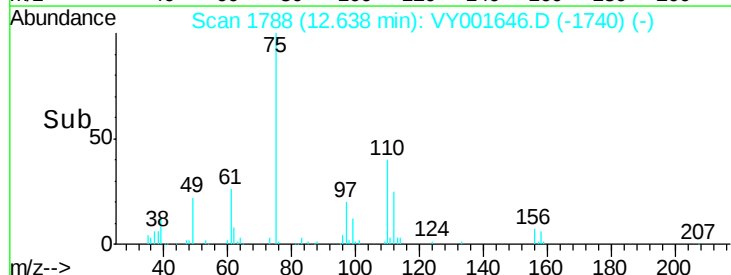
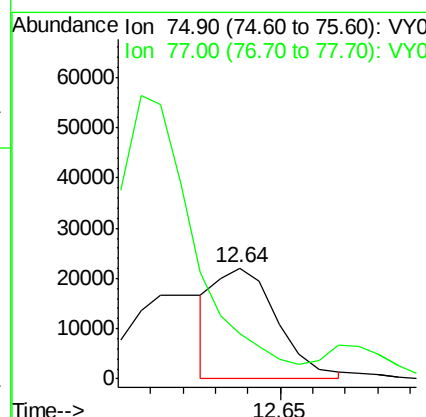
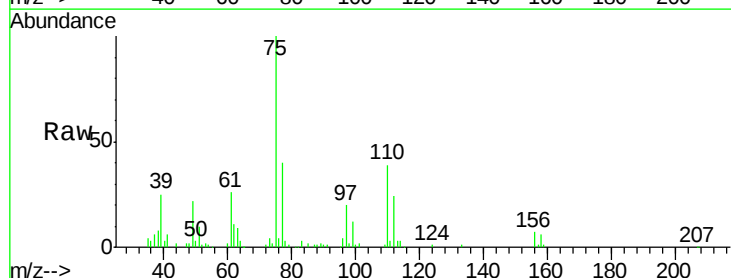
RT: 12.64 min Scan# 1788

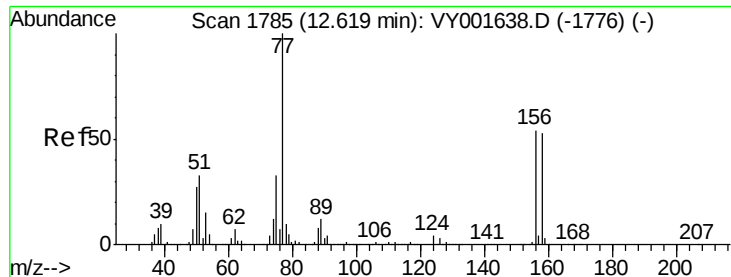
Delta R.T. -0.01 min

Lab File: VY001646.D

Acq: 17 Feb 2020 15:16

Tgt Ion:	75	Resp:	29479
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.045 ug/l

RT: 12.61 min Scan# 1784

Delta R.T. -0.01 min

Lab File: VY001646.D

Acq: 17 Feb 2020 15:16

Instrument :

MSVOA_Y

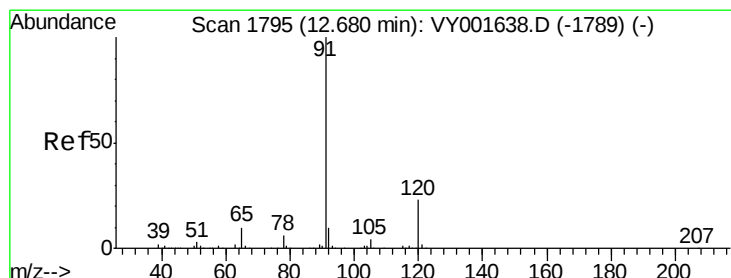
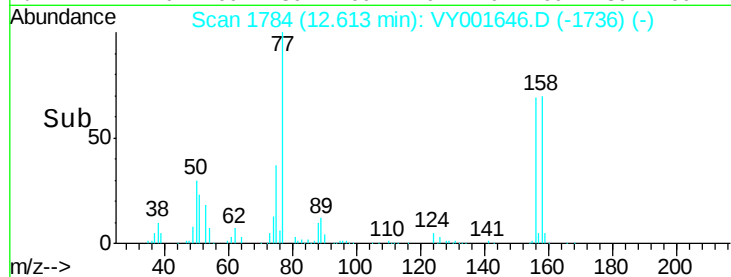
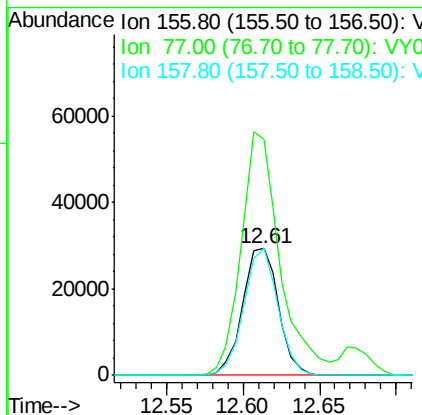
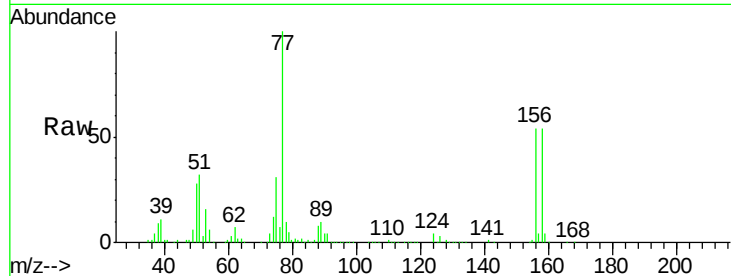
ClientSampleId :

VY0217SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	208.1	110.1	330.1
158	95.4	47.9	143.7

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#78

n-propylbenzene

Concen: 19.115 ug/l

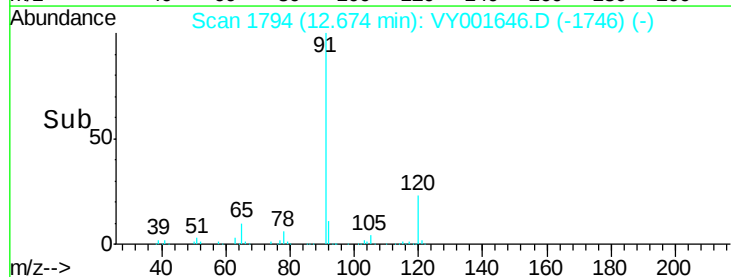
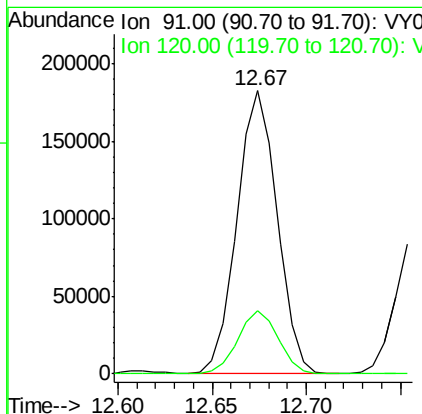
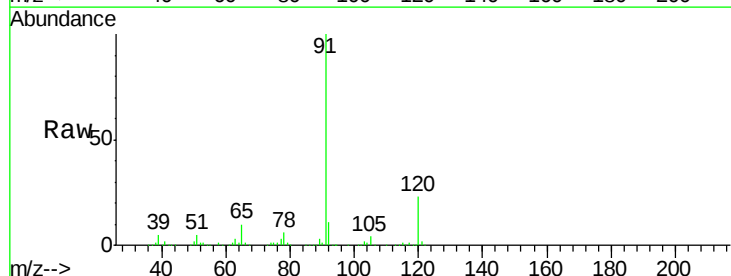
RT: 12.67 min Scan# 1794

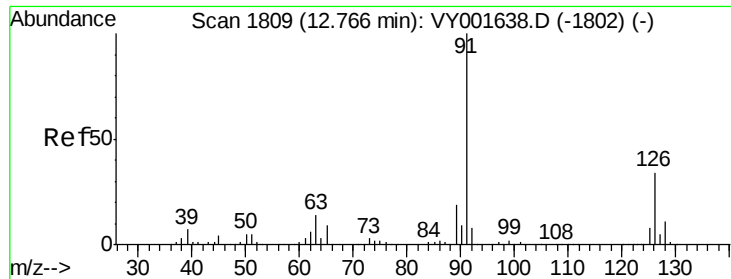
Delta R.T. -0.01 min

Lab File: VY001646.D

Acq: 17 Feb 2020 15:16

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.5	11.1	33.1





#79

2-Chlorotoluene

Concen: 19.026 ug/l

RT: 12.76 min Scan# 1808

Delta R.T. -0.01 min

Lab File: VY001646.D

Acq: 17 Feb 2020 15:16

Instrument :

MSVOA_Y

ClientSampleId :

VY0217SBS01

Tot Ion: 91 Resp: 150378

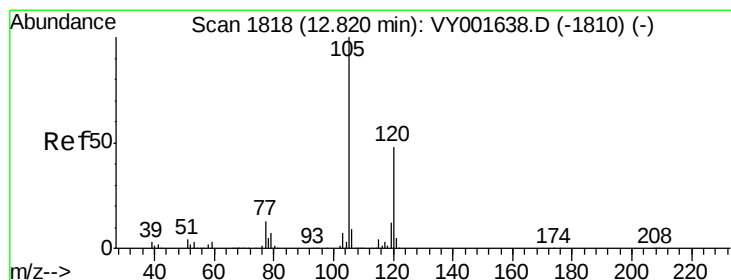
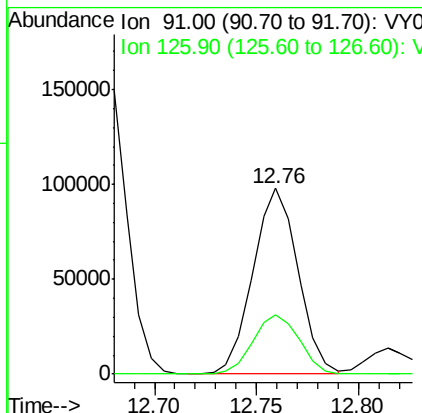
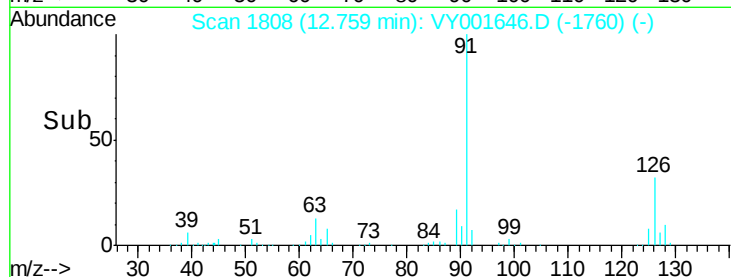
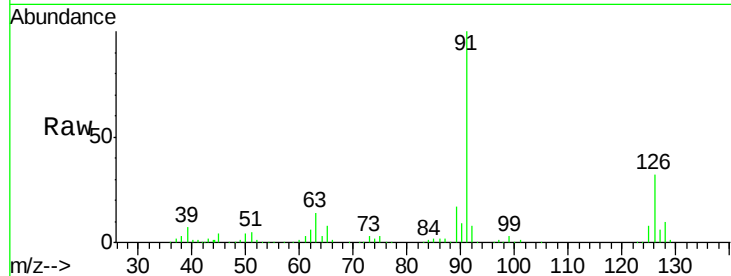
Ion Ratio Lower Upper

91 100

126 32.9 16.2 48.6

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 19.256 ug/l

RT: 12.81 min Scan# 1817

Delta R.T. -0.01 min

Lab File: VY001646.D

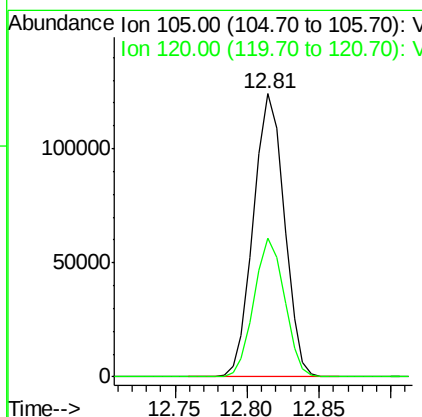
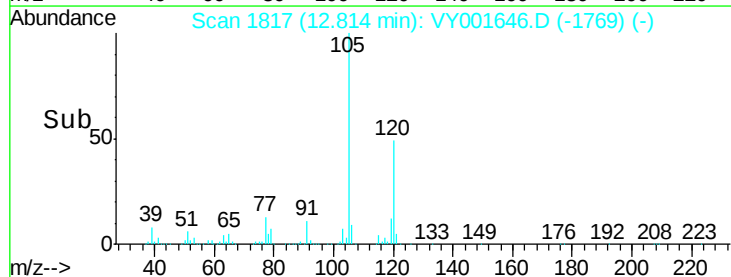
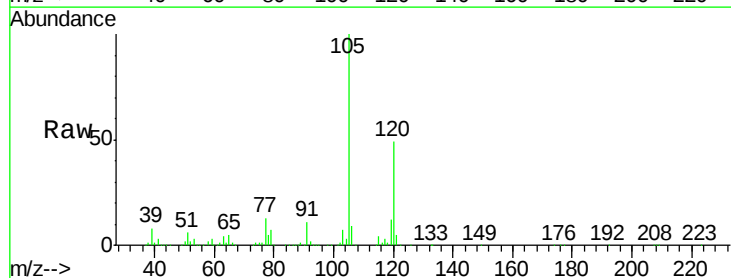
Acq: 17 Feb 2020 15:16

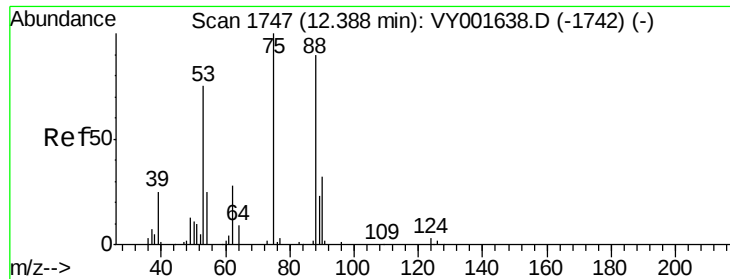
Tgt Ion: 105 Resp: 184437

Ion Ratio Lower Upper

105 100

120 48.4 24.3 72.9





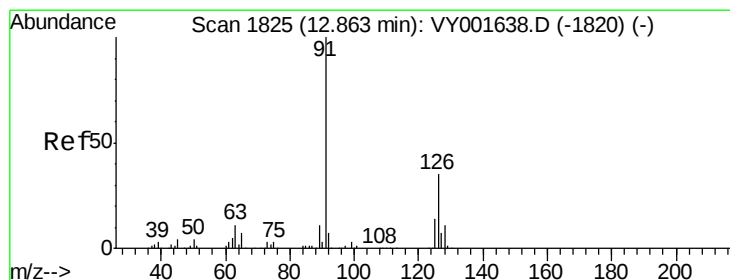
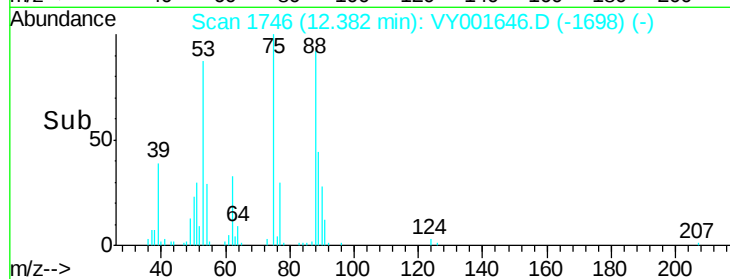
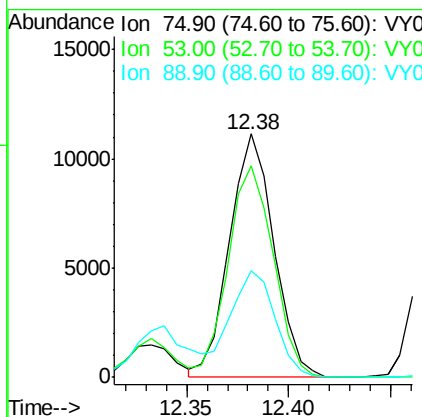
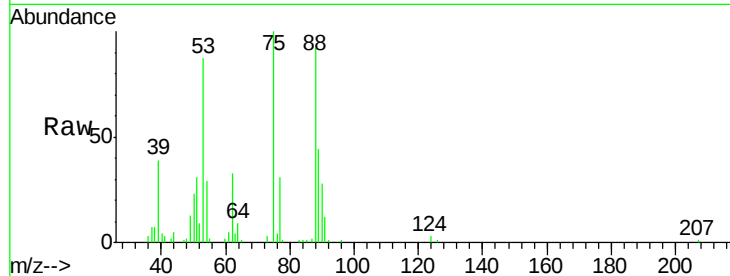
#81
trans-1,4-Dichloro-2-butene
Concen: 18.276 ug/l
RT: 12.38 min Scan# 1746
Delta R.T. -0.01 min
Lab File: VY001646.D
Acq: 17 Feb 2020 15:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0217SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	88.3	64.5	96.7
89	44.7	36.3	54.5

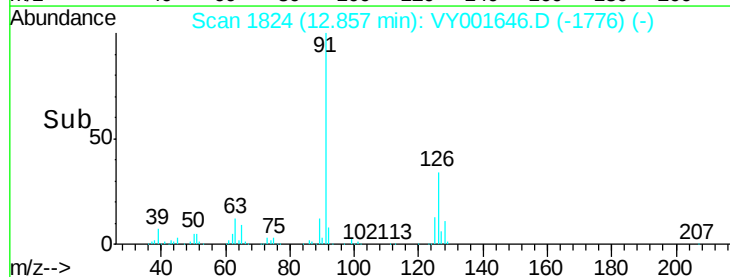
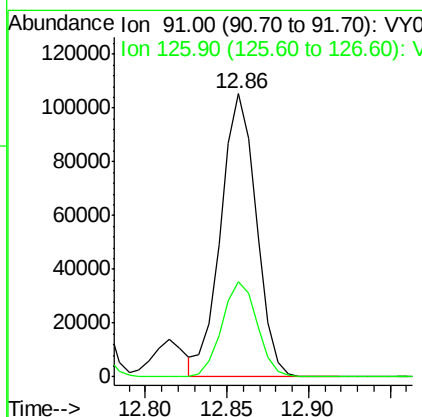
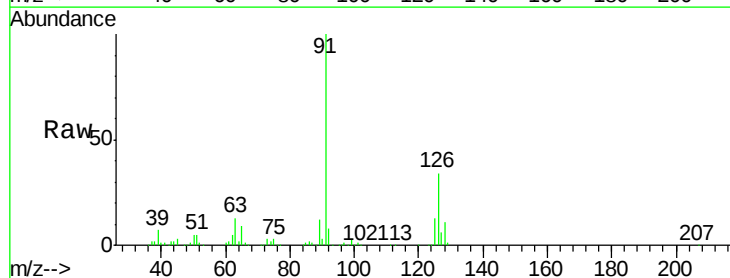
Manual Integrations
APPROVED

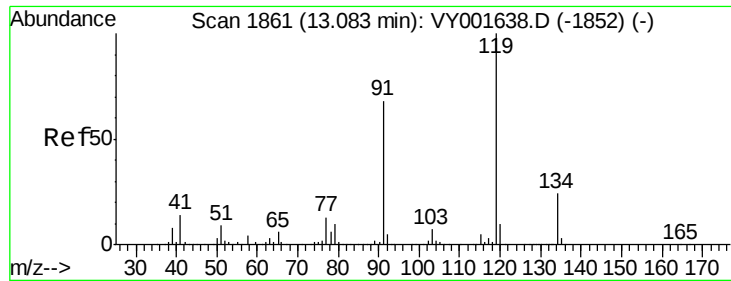
MMDadoda
2/19/2020 10:49:39 AM



#82
4-Chlorotoluene
Concen: 19.090 ug/l
RT: 12.86 min Scan# 1824
Delta R.T. -0.01 min
Lab File: VY001646.D
Acq: 17 Feb 2020 15:16

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.6	16.2	48.6





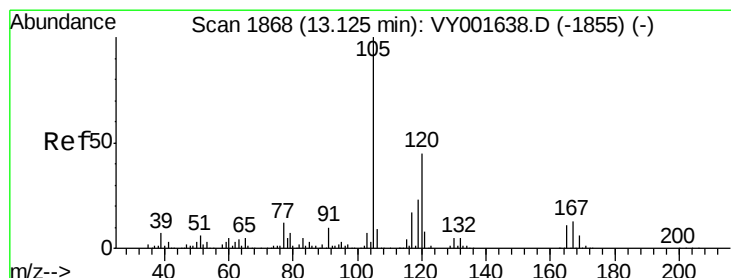
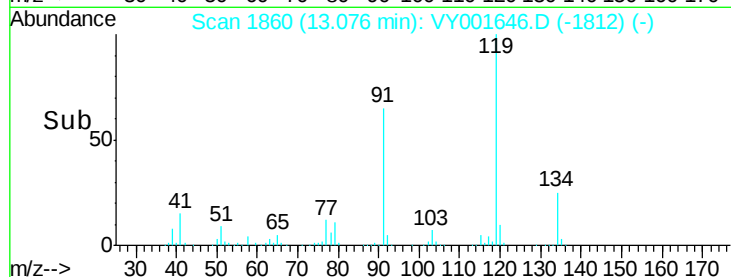
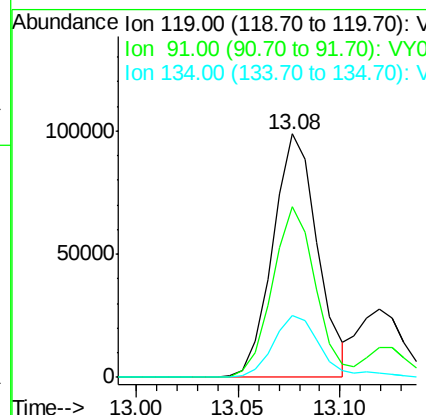
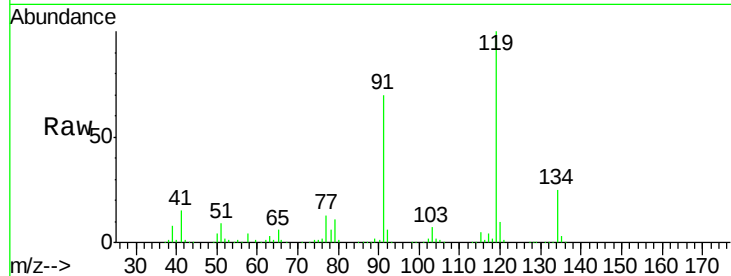
#83
tert-Butylbenzene
Concen: 18.868 ug/l
RT: 13.08 min Scan# 1860
Delta R.T. -0.01 min
Lab File: VY001646.D
Acq: 17 Feb 2020 15:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0217SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	151151		
91	68.3	33.5	100.5	
134	27.3	13.3	39.8	

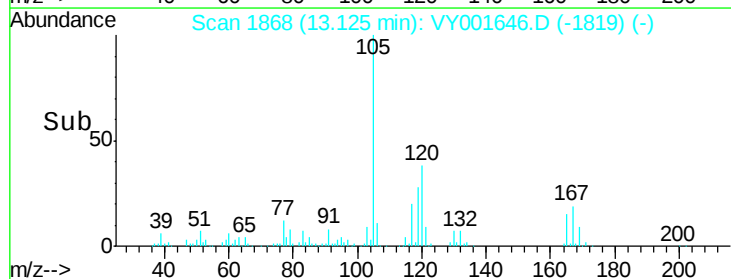
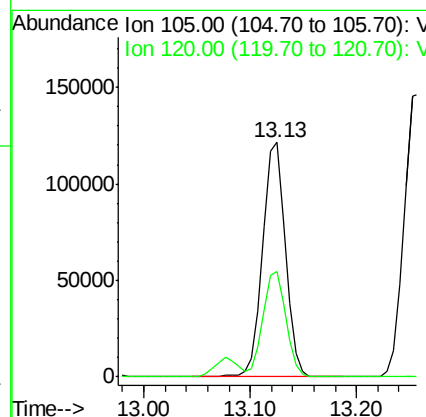
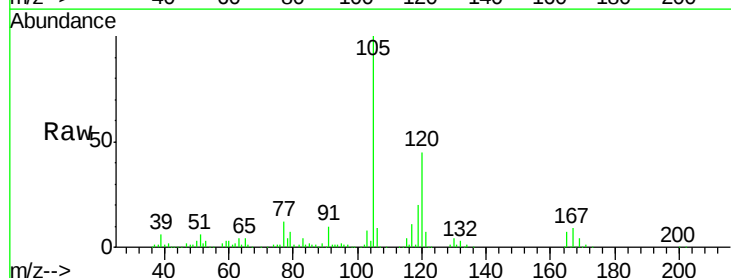
Manual Integrations
APPROVED

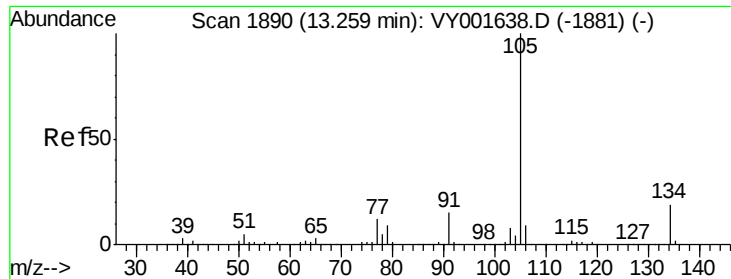
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 19.214 ug/l
RT: 13.13 min Scan# 1868
Delta R.T. 0.00 min
Lab File: VY001646.D
Acq: 17 Feb 2020 15:16

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	183475		
120	45.2	22.4	67.3	





#85

sec-Butylbenzene

Concen: 19.057 ug/l

RT: 13.26 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VY001646.D

Acq: 17 Feb 2020 15:16

Instrument :

MSVOA_Y

ClientSampleId :

VY0217SBS01

Tot Ion:105 Resp: 224530

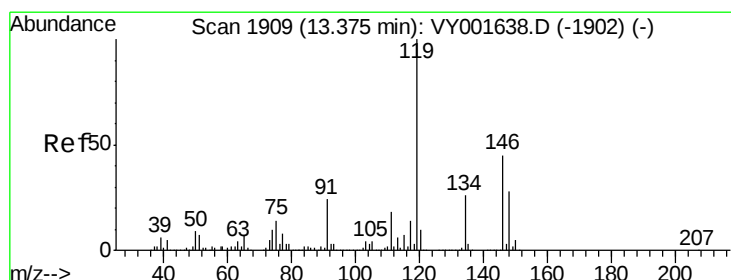
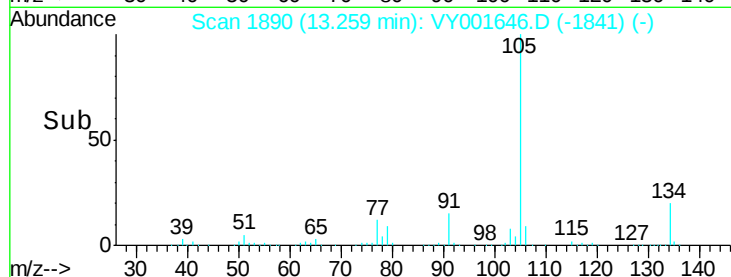
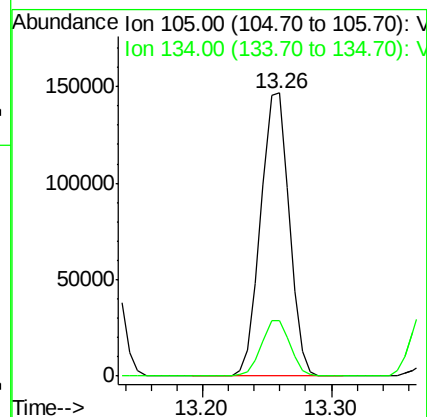
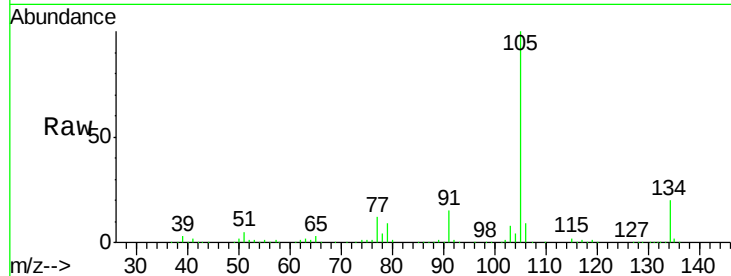
Ion Ratio Lower Upper

105 100

134 19.7 9.8 29.3

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 19.292 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. -0.01 min

Lab File: VY001646.D

Acq: 17 Feb 2020 15:16

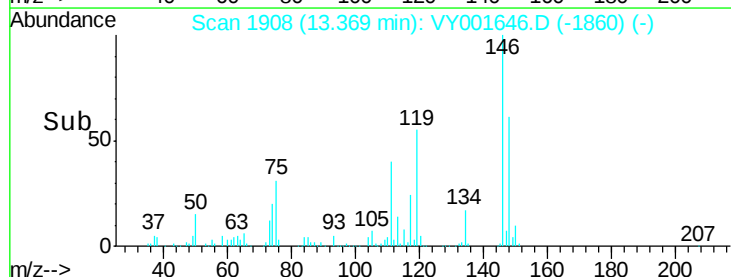
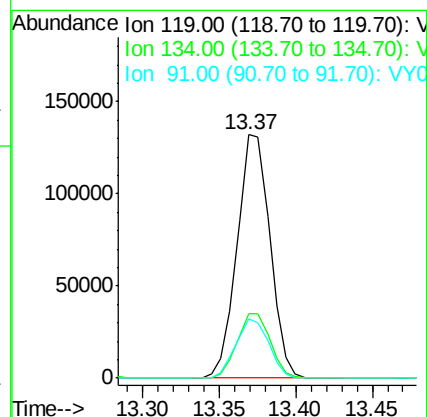
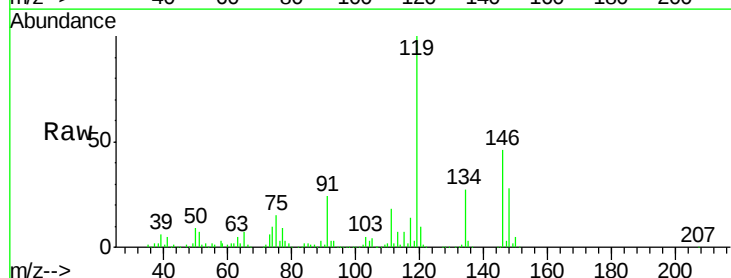
Tgt Ion:119 Resp: 197455

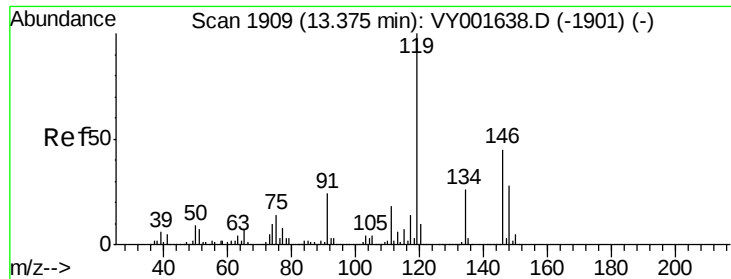
Ion Ratio Lower Upper

119 100

134 26.8 13.0 39.0

91 24.4 12.2 36.6





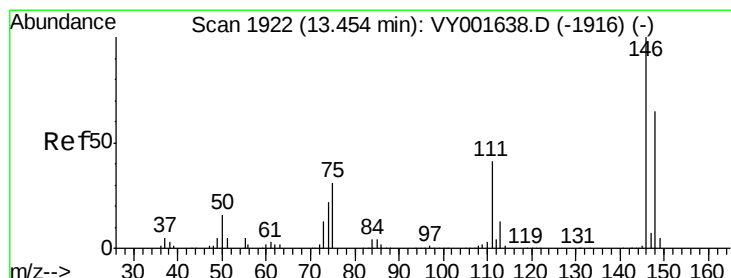
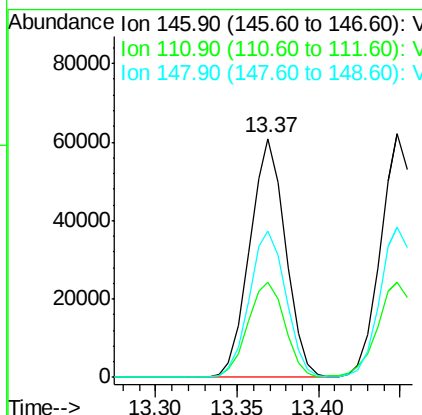
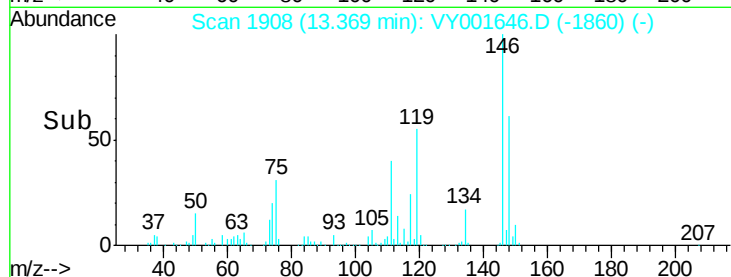
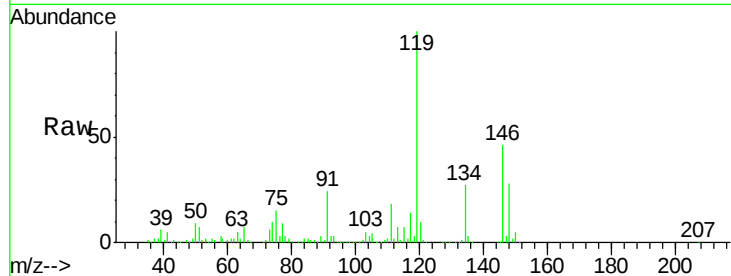
#87
 1,3-Dichlorobenzene
 Concen: 19.104 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. -0.01 min
 Lab File: VY001646.D
 Acq: 17 Feb 2020 15:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0217SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	21.4	64.3
148	62.7	31.6	94.7

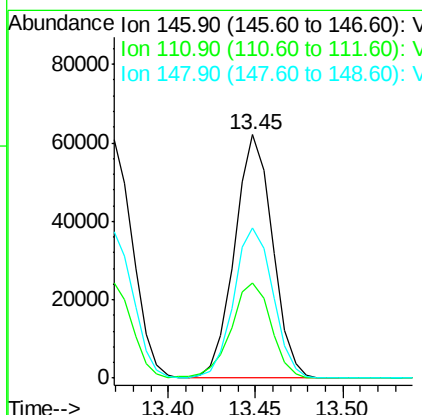
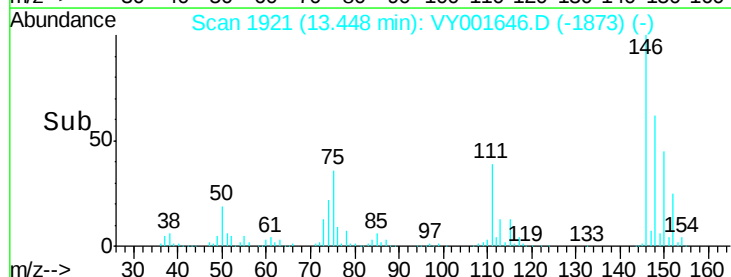
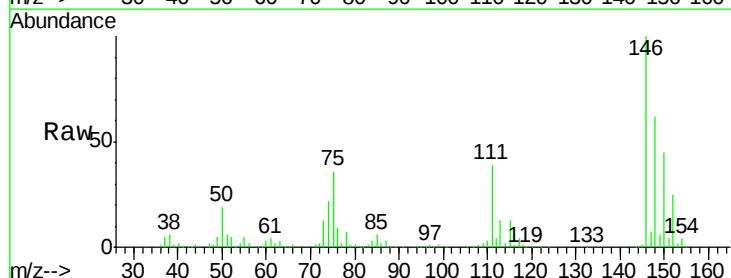
Manual Integrations
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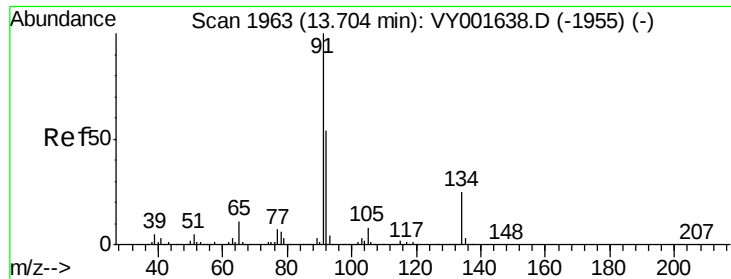
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#88
 1,4-Dichlorobenzene
 Concen: 19.052 ug/l
 RT: 13.45 min Scan# 1921
 Delta R.T. -0.01 min
 Lab File: VY001646.D
 Acq: 17 Feb 2020 15:16

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.4	61.3
148	63.7	31.6	94.7





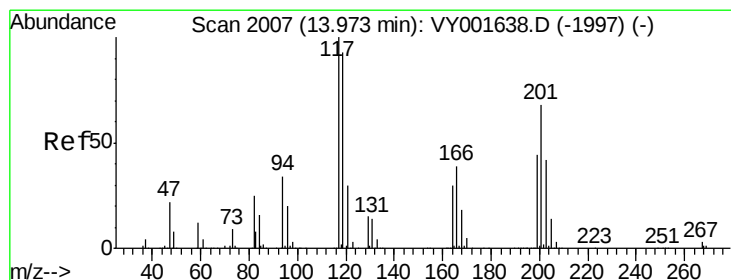
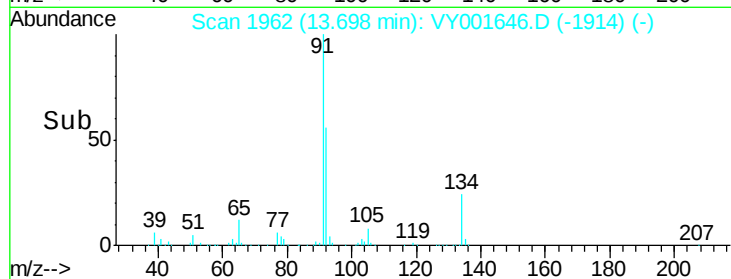
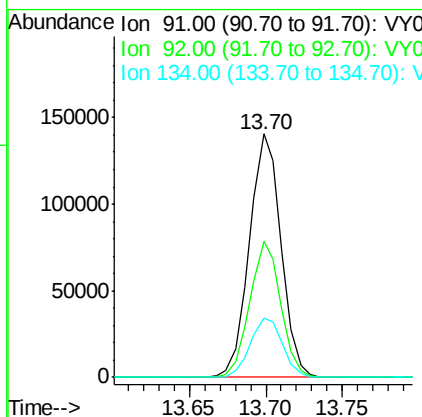
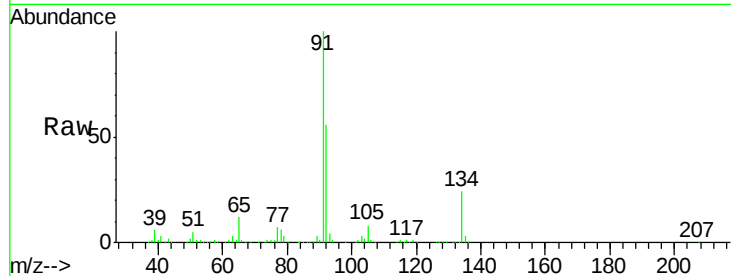
#89
n-Butylbenzene
Concen: 19.277 ug/l
RT: 13.70 min Scan# 1962
Delta R.T. -0.01 min
Lab File: VY001646.D
Acq: 17 Feb 2020 15:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0217SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	201606		
92	54.8		27.5	82.4
134	24.8		12.4	37.4

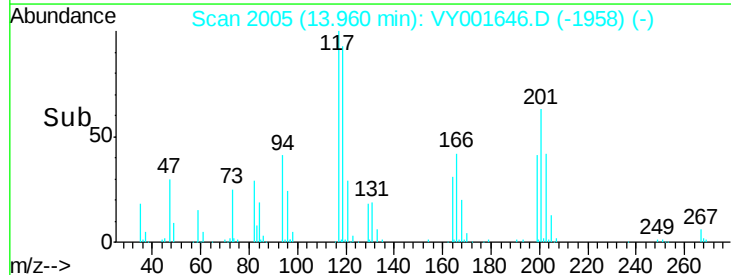
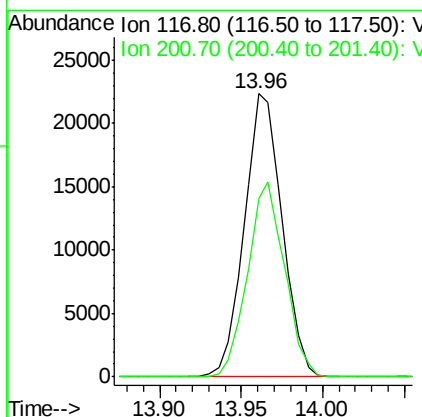
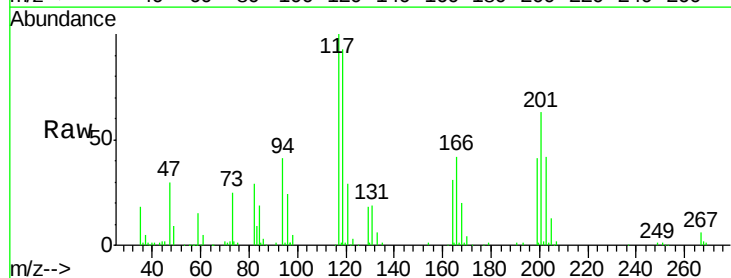
Manual Integrations
APPROVED

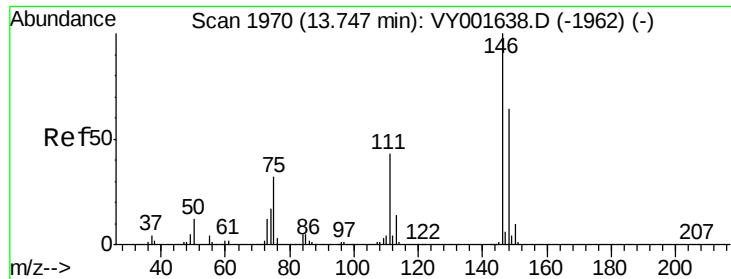
MMDadoda
2/19/2020 10:49:39 AM



#90
Hexachloroethane
Concen: 18.618 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. -0.01 min
Lab File: VY001646.D
Acq: 17 Feb 2020 15:16

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	35904		
201	67.5		32.5	97.4





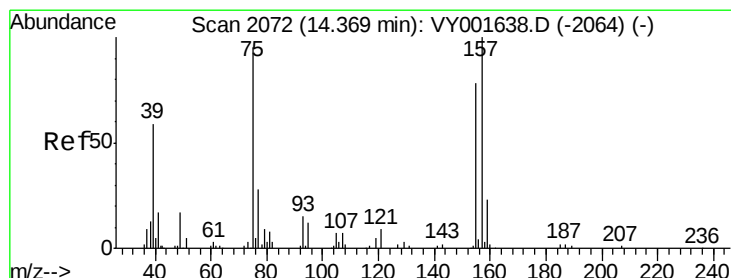
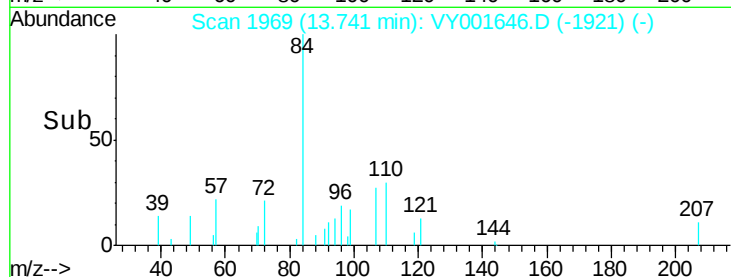
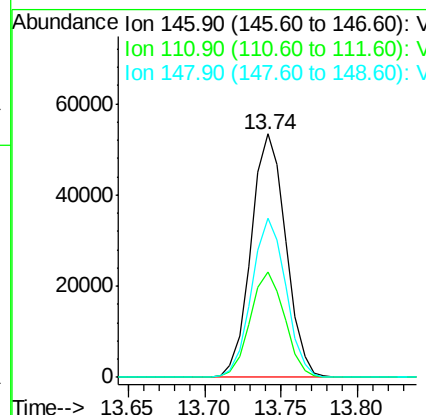
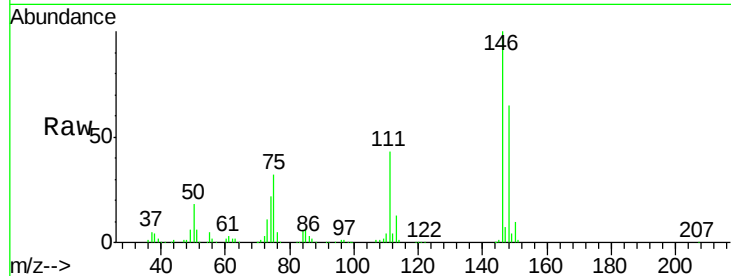
#91
1,2-Dichlorobenzene
Concen: 18.773 ug/l
RT: 13.74 min Scan# 1969
Delta R.T. -0.01 min
Lab File: VY001646.D
Acq: 17 Feb 2020 15:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0217SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.9	65.7
148	64.3	31.5	94.5

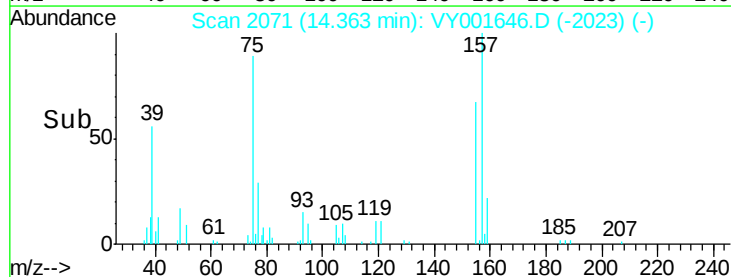
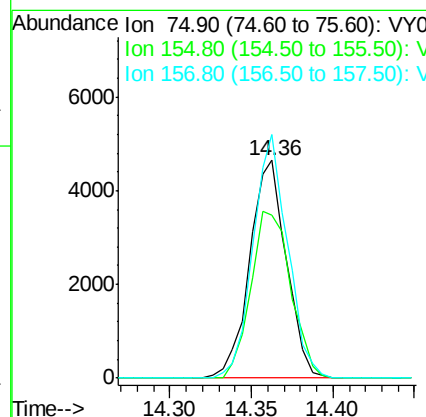
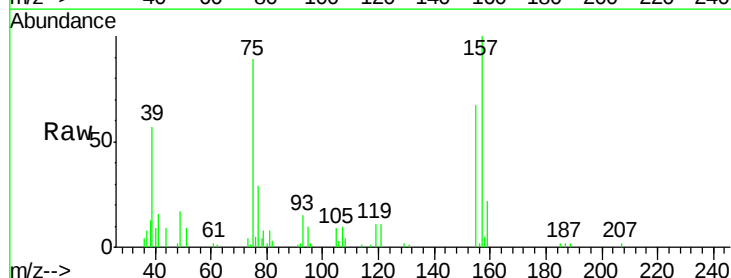
Manual Integrations
APPROVED

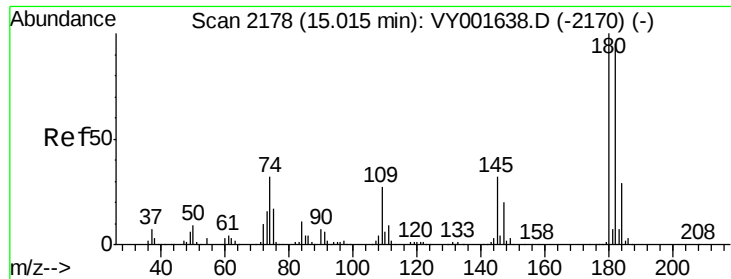
MMDadoda
2/19/2020 10:49:39 AM



#92
1,2-Dibromo-3-Chloropropane
Concen: 17.855 ug/l
RT: 14.36 min Scan# 2071
Delta R.T. -0.01 min
Lab File: VY001646.D
Acq: 17 Feb 2020 15:16

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.7	40.8	122.4
157	105.1	52.1	156.4





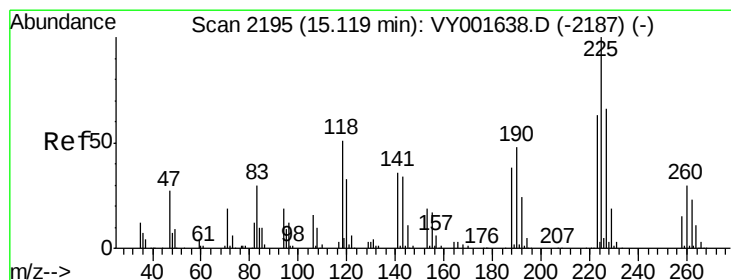
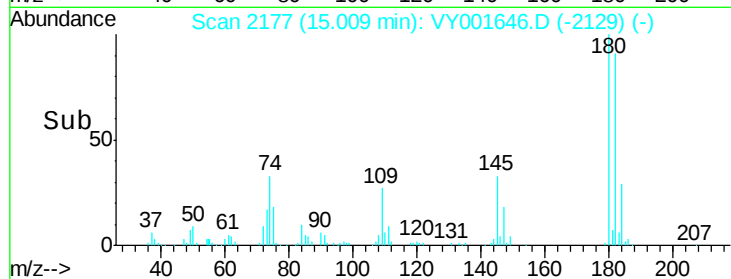
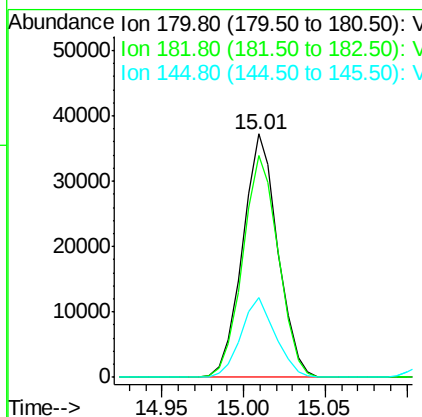
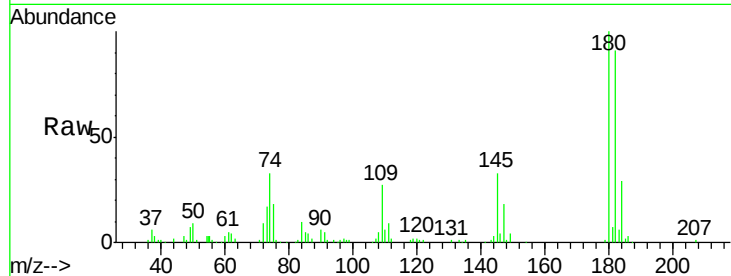
#93
 1,2,4-Trichlorobenzene
 Concen: 18.835 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. -0.01 min
 Lab File: VY001646.D
 Acq: 17 Feb 2020 15:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0217SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	56035		
182	92.1	46.8	140.3	
145	32.0	16.2	48.5	

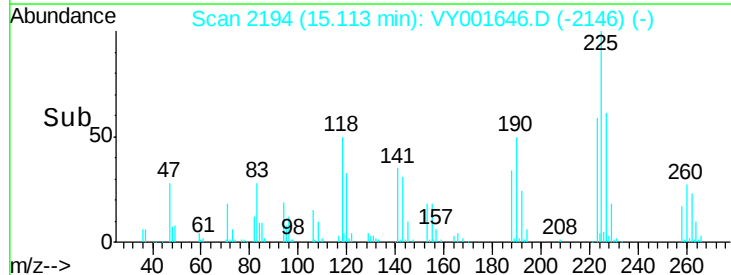
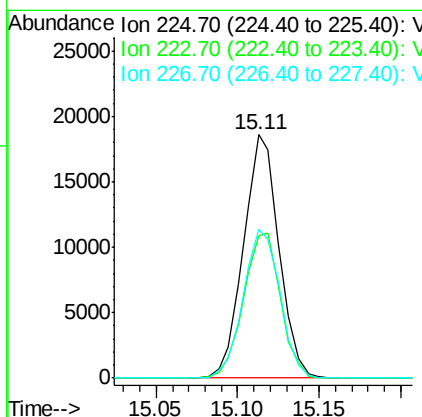
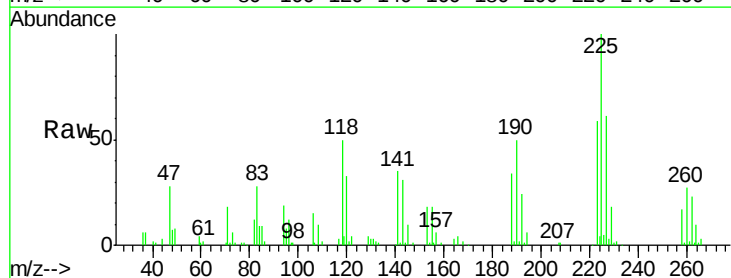
Manual Integrations
 APPROVED

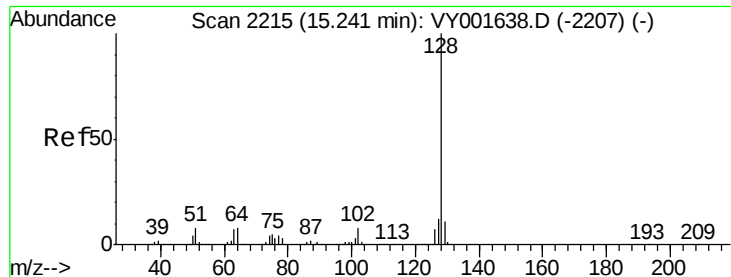
MMDadoda
 2/19/2020 10:49:39 AM



#94
 Hexachlorobutadiene
 Concen: 18.969 ug/l
 RT: 15.11 min Scan# 2194
 Delta R.T. -0.01 min
 Lab File: VY001646.D
 Acq: 17 Feb 2020 15:16

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	28066		
223	62.4	31.4	94.0	
227	63.4	31.6	94.8	





#95

Naphthalene

Concen: 17.929 ug/l

RT: 15.24 min Scan# 2215

Delta R.T. -0.00 min

Lab File: VY001646.D

Acq: 17 Feb 2020 15:16

Instrument :

MSVOA_Y

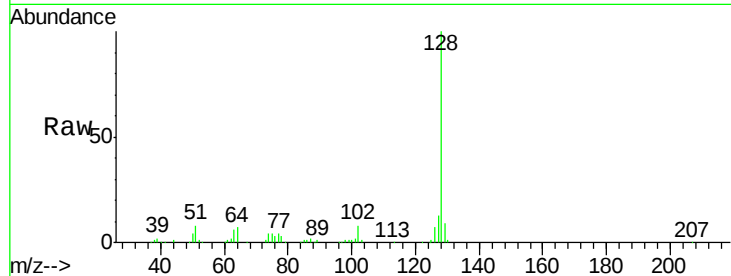
ClientSampleId :

VY0217SBS01

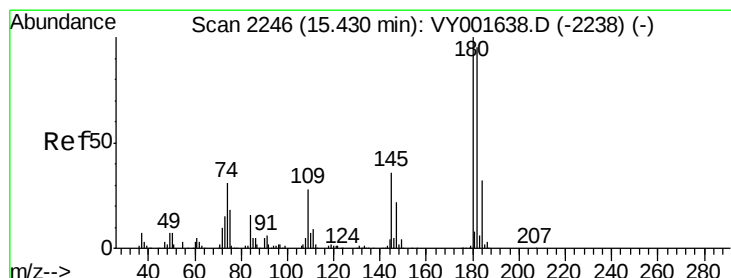
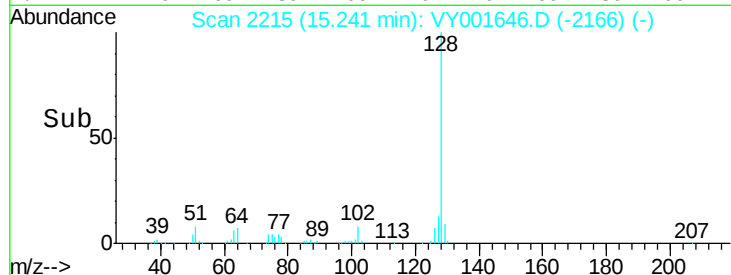
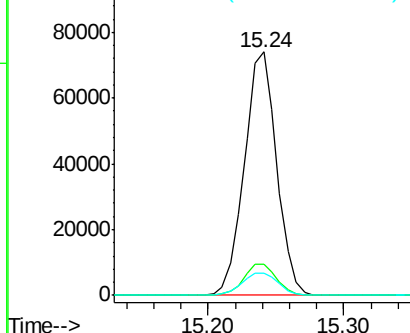
Tot Ion	Ratio	Resp	Lower	Upper
128	100	122985		
127	13.0		9.9	14.9
129	10.2		8.6	13.0

Manual Integrations
APPROVED

MMDadoda
2/19/2020 10:49:39 AM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 18.576 ug/l

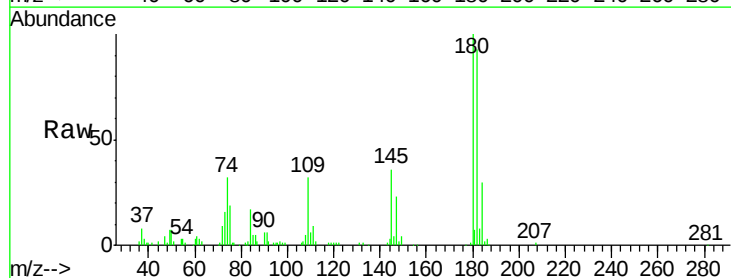
RT: 15.42 min Scan# 2245

Delta R.T. -0.01 min

Lab File: VY001646.D

Acq: 17 Feb 2020 15:16

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	48619		
182	93.8		47.2	141.6
145	33.0		17.3	52.0



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

