

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021720\
 Data File : VY001640.D
 Acq On : 17 Feb 2020 11:50
 Operator : SY/MD
 Sample : VSTDIC150
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 2/19/2020 10:50:10 AM

Quant Time: Feb 17 12:17:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 17 12:01:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	203299	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	369968	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	331206	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	148126	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	336910	154.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	308.14%	
35) Dibromofluoromethane	7.74	113	312991	147.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	295.42%	
50) Toluene-d8	10.19	98	1297991	156.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	312.70%	
62) 4-Bromofluorobenzene	12.49	95	468191	145.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	290.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	305967	154.396	ug/l	100
3) Chloromethane	2.12	50	367883	138.019	ug/l	100
4) Vinyl Chloride	2.26	62	382251	142.181	ug/l	100
5) Bromomethane	2.63	94	196762	117.102	ug/l	100
6) Chloroethane	2.79	64	230246	138.980	ug/l	100
7) Trichlorofluoromethane	3.13	101	484766	140.885	ug/l	100
8) Diethyl Ether	3.54	74	189840	139.952	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.91	101	309450	143.083	ug/l	100
10) Methyl Iodide	4.11	142	398424	150.525	ug/l	100
11) Tert butyl alcohol	4.99	59	175264	577.598	ug/l	100
12) 1,1-Dichloroethene	3.88	96	312117	141.497	ug/l	100
13) Acrolein	3.75	56	161902	733.074	ug/l	100
14) Allyl chloride	4.50	41	570860	145.414	ug/l	100
15) Acrylonitrile	5.19	53	516446	742.781	ug/l	100
16) Acetone	3.97	43	597980	790.300	ug/l	100
17) Carbon Disulfide	4.21	76	1076316	146.153	ug/l	100
18) Methyl Acetate	4.50	43	235461	142.895	ug/l	100
19) Methyl tert-butyl Ether	5.25	73	893355	145.463	ug/l	100
20) Methylene Chloride	4.74	84	350952	130.581	ug/l	100
21) trans-1,2-Dichloroethene	5.24	96	364462	144.817	ug/l	100
22) Diisopropyl ether	6.14	45	1161257	144.041	ug/l	100
23) Vinyl Acetate	6.09	43	3853899	732.852	ug/l	100
24) 1,1-Dichloroethane	6.05	63	621450	144.224	ug/l	100
25) 2-Butanone	7.01	43	783194	761.952	ug/l	100
26) 2,2-Dichloropropane	7.01	77	522386	139.345	ug/l	100
27) cis-1,2-Dichloroethene	7.01	96	392345	141.235	ug/l	100
28) Bromochloromethane	7.36	49	281496	156.827	ug/l	100
29) Tetrahydrofuran	7.37	42	458503	738.009	ug/l	100
30) Chloroform	7.53	83	593158	140.883	ug/l	100
31) Cyclohexane	7.80	56	630867	137.318	ug/l	100
32) 1,1,1-Trichloroethane	7.72	97	510540	144.277	ug/l	100
36) 1,1-Dichloropropene	7.94	75	491482	139.076	ug/l	100
37) Ethyl Acetate	7.10	43	299304	141.903	ug/l	100
38) Carbon Tetrachloride	7.92	117	431649	139.061	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	653971	139.489	ug/l	100
40) Benzene	8.18	78	1444126	138.946	ug/l	100
41) Methacrylonitrile	7.35	41	160829m	56.292	ug/l	
42) 1,2-Dichloroethane	8.26	62	389600	137.595	ug/l	100
43) Isopropyl Acetate	8.29	43	576825	144.136	ug/l	100
44) Trichloroethene	8.96	130	356564	137.429	ug/l	100
45) 1,2-Dichloropropane	9.23	63	366943	140.973	ug/l	100
46) Dibromomethane	9.32	93	192729	141.564	ug/l	100
47) Bromodichloromethane	9.51	83	464301	141.307	ug/l	100
48) Methyl methacrylate	9.31	41	260764	144.075	ug/l	100
49) 1,4-Dioxane	9.31	88	56696	2948.494	ug/l	100
51) 4-Methyl-2-Pentanone	10.08	43	1463237	711.635	ug/l	100
52) Toluene	10.25	92	905138	139.614	ug/l	100
53) t-1,3-Dichloropropene	10.48	75	523158	144.024	ug/l	100
54) cis-1,3-Dichloropropene	9.94	75	594824	142.278	ug/l	100
55) 1,1,2-Trichloroethane	10.66	97	284122	141.532	ug/l	100
56) Ethyl methacrylate	10.52	69	447406	148.562	ug/l	100
57) 1,3-Dichloropropane	10.80	76	501673	140.646	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.80	63	796920	633.667	ug/l	100
59) 2-Hexanone	10.85	43	1126715	730.319	ug/l	100
60) Dibromochloromethane	11.00	129	315824	142.696	ug/l	100
61) 1,2-Dibromoethane	11.10	107	276465	145.651	ug/l	100
64) Tetrachloroethene	10.73	164	277862	133.641	ug/l	100
65) Chlorobenzene	11.53	112	913804	138.194	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.60	131	302185	135.473	ug/l	100
67) Ethyl Benzene	11.60	91	1677972	136.741	ug/l	100
68) m/p-Xylenes	11.71	106	1241092	270.753	ug/l	100
69) o-Xylene	12.04	106	590315	135.460	ug/l	100
70) Styrene	12.05	104	1049500	138.573	ug/l	100
71) Bromoform	12.22	173	186129	146.013	ug/l	100
73) Isopropylbenzene	12.34	105	1603663	142.111	ug/l	100
74) N-amyl acetate	12.15	43	525383	145.884	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.59	83	358584	148.822	ug/l	100
76) 1,2,3-Trichloropropane	12.64	75	230215m	73.019	ug/l	
77) Bromobenzene	12.62	156	340923	139.364	ug/l	100
78) n-propylbenzene	12.68	91	1961822	142.745	ug/l	100
79) 2-Chlorotoluene	12.77	91	1100668	142.790	ug/l	100
80) 1,3,5-Trimethylbenzene	12.82	105	1310915	140.338	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	139834	156.126	ug/l	100
82) 4-Chlorotoluene	12.86	91	1167511	143.608	ug/l	100
83) tert-Butylbenzene	13.08	119	1091722	139.739	ug/l	100
84) 1,2,4-Trimethylbenzene	13.13	105	1286381	138.132	ug/l	100
85) sec-Butylbenzene	13.26	105	1600477	139.290	ug/l	100
86) p-Isopropyltoluene	13.38	119	1351491	135.393	ug/l	100
87) 1,3-Dichlorobenzene	13.38	146	627378	132.238	ug/l	100
88) 1,4-Dichlorobenzene	13.45	146	652025	135.960	ug/l	100
89) n-Butylbenzene	13.70	91	1420835	139.302	ug/l	100
90) Hexachloroethane	13.97	117	271492	144.357	ug/l	100
91) 1,2-Dichlorobenzene	13.75	146	600558	137.167	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	59049	148.496	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	392744	135.363	ug/l	100
94) Hexachlorobutadiene	15.12	225	186291	129.105	ug/l	100
95) Naphthalene	15.24	128	969312	144.893	ug/l	100
96) 1,2,3-Trichlorobenzene	15.43	180	345560	135.377	ug/l	100

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

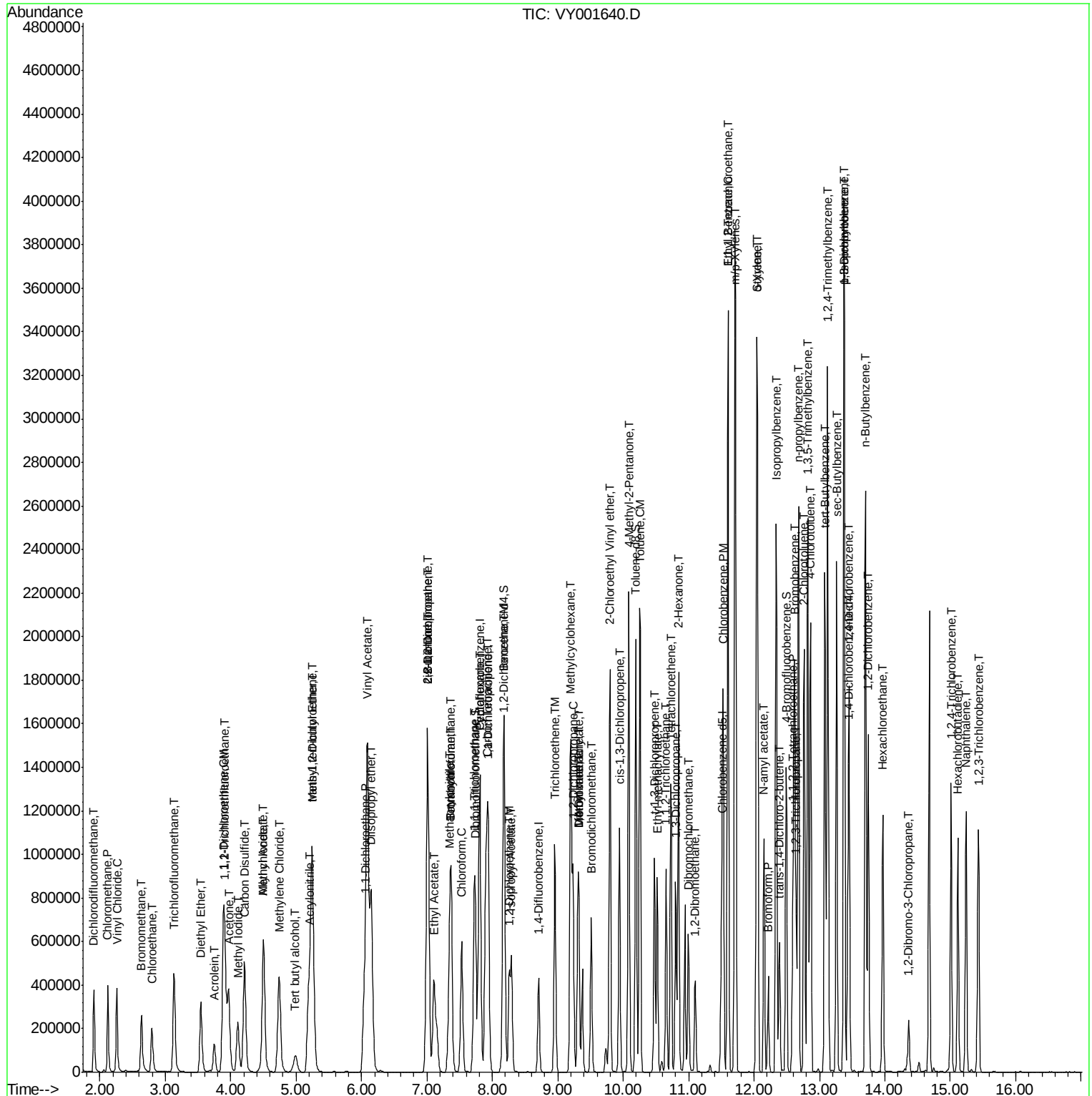
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Data File : VY001640.D
Acq On : 17 Feb 2020 11:50
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. -0.00 min

Lab File: VY001640.D

Acq: 17 Feb 2020 11:50

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 203299

Ion Ratio Lower Upper

168 100

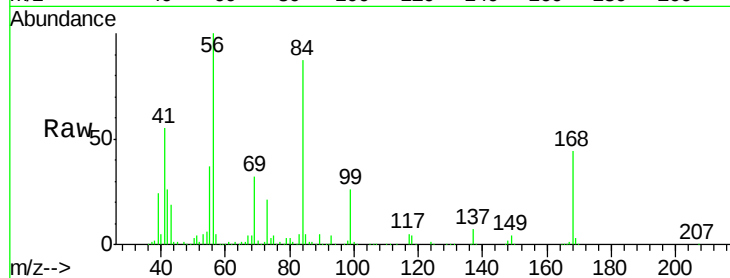
99 59.4 47.5 71.3

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VY001640.D (-948) (-)

Ion 98.90 (98.60 to 99.60): VY001640.D (-948) (-)

150000

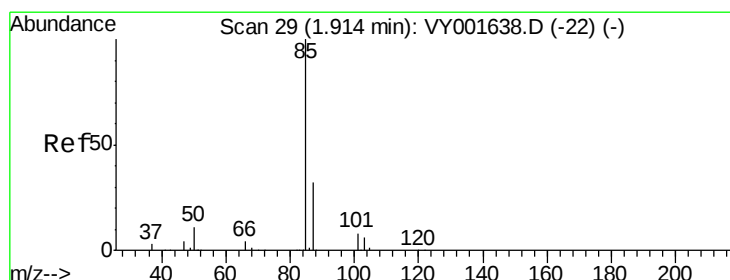
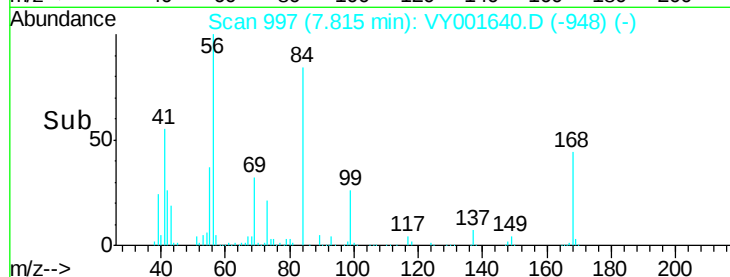
100000

50000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 154.396 ug/l

RT: 1.91 min Scan# 28

Delta R.T. -0.01 min

Lab File: VY001640.D

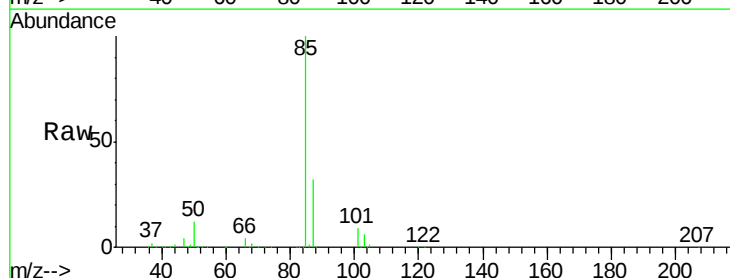
Acq: 17 Feb 2020 11:50

Tgt Ion: 85 Resp: 305967

Ion Ratio Lower Upper

85 100

87 32.4 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VY001640.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VY001640.D (-1) (-)

250000

200000

150000

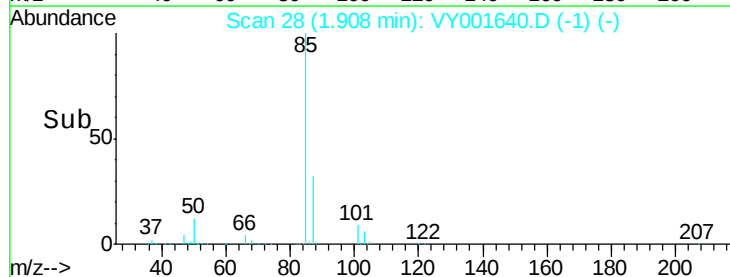
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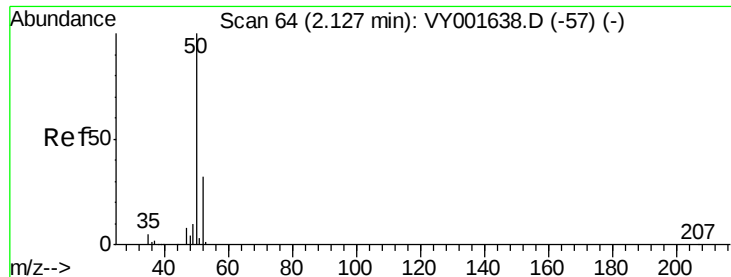
50000

0

1.80 1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 138.019 ug/l

RT: 2.12 min Scan# 63

Delta R.T. -0.01 min

Lab File: VY001640.D

Acq: 17 Feb 2020 11:50

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 367883

Ion Ratio Lower Upper

50 100

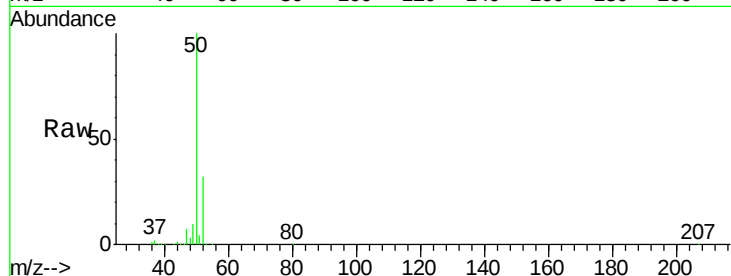
52 32.2 25.8 38.6

Manual Integrations

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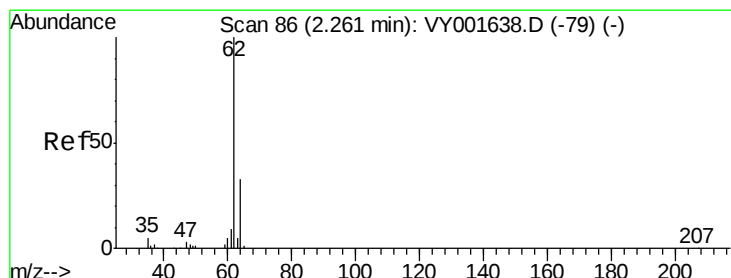
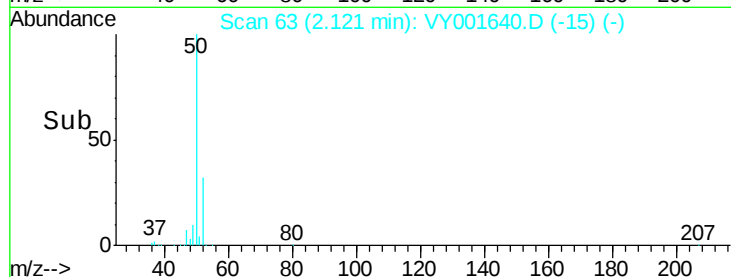
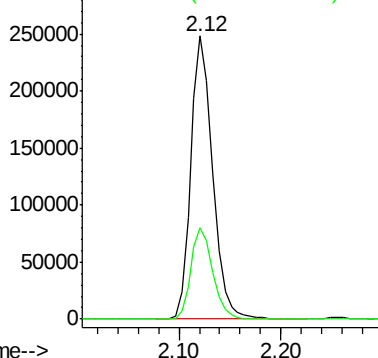
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Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 142.181 ug/l

RT: 2.26 min Scan# 86

Delta R.T. -0.00 min

Lab File: VY001640.D

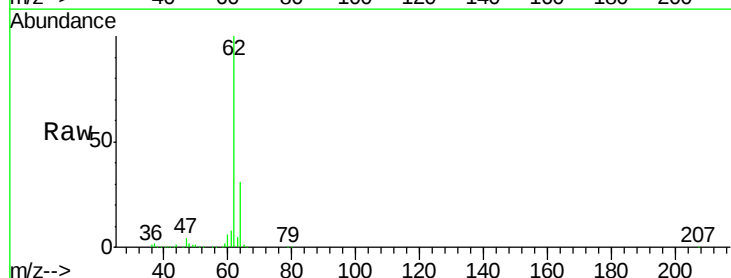
Acq: 17 Feb 2020 11:50

Tgt Ion: 62 Resp: 382251

Ion Ratio Lower Upper

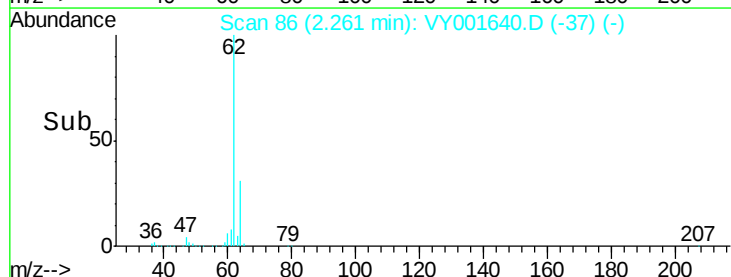
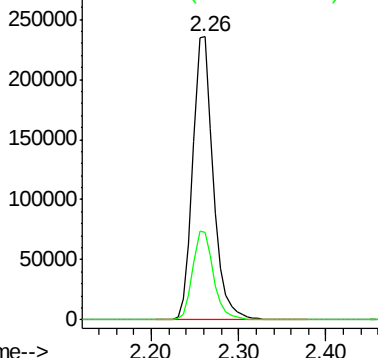
62 100

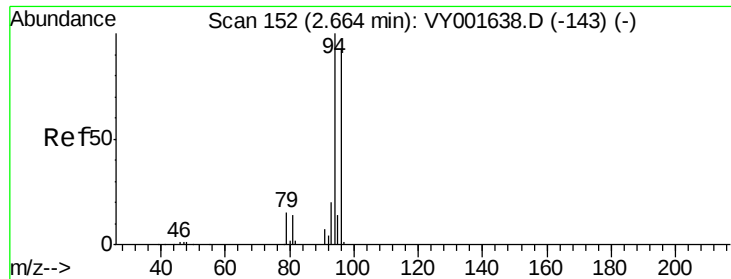
64 31.1 24.9 37.3



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 117.102 ug/l

RT: 2.63 min Scan# 147

Delta R.T. -0.03 min

Lab File: VY001640.D

Acq: 17 Feb 2020 11:50

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 196762

Ion Ratio Lower Upper

94 100

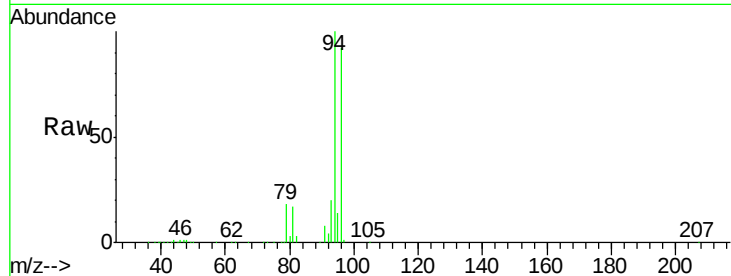
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Manual Integrations

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2/19/2020 10:50:10 AM

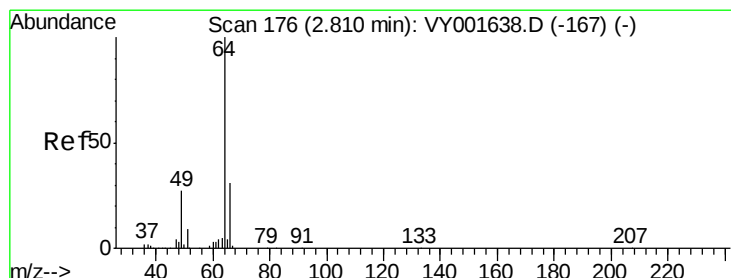
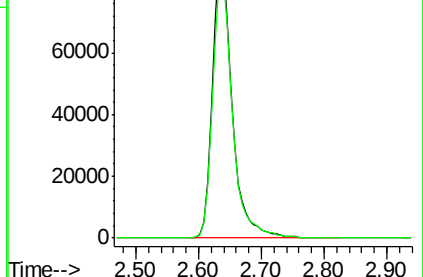
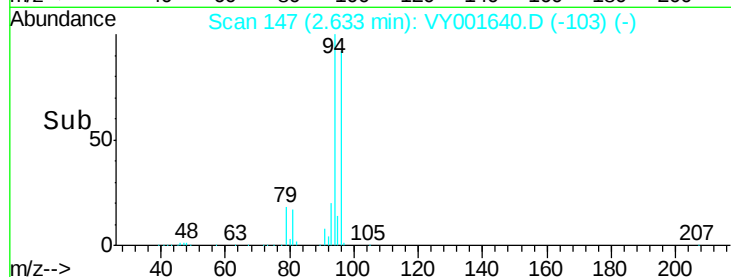


Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0

2.63

Time-->



#6

Chloroethane

Concen: 138.980 ug/l

RT: 2.79 min Scan# 173

Delta R.T. -0.02 min

Lab File: VY001640.D

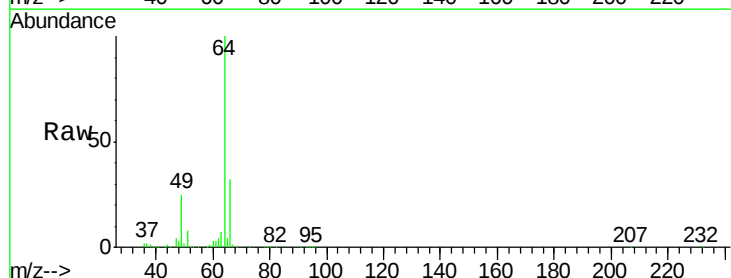
Acq: 17 Feb 2020 11:50

Tgt Ion: 64 Resp: 230246

Ion Ratio Lower Upper

64 100

66 31.9 25.5 38.3

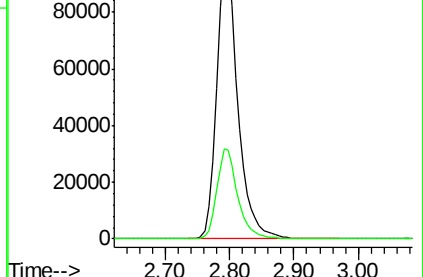
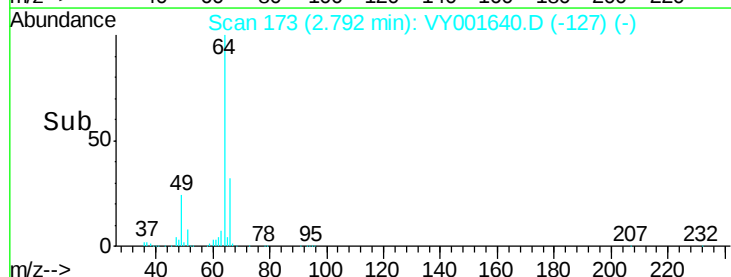


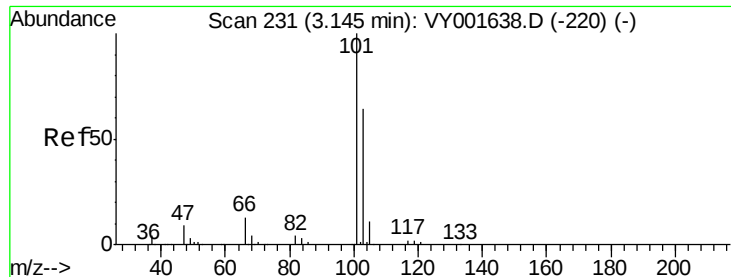
Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0

2.79

Time-->





#7

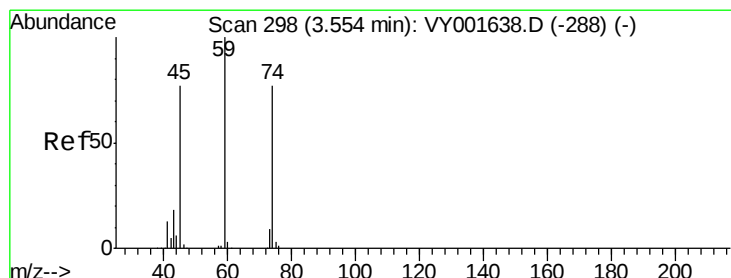
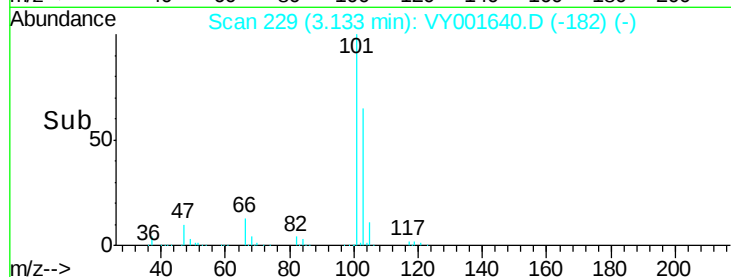
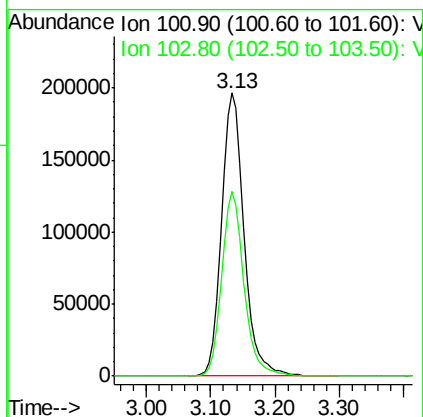
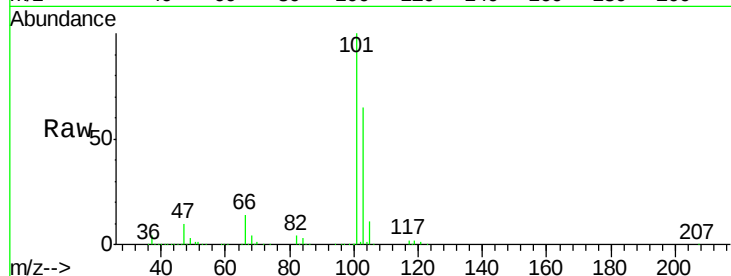
Trichlorofluoromethane
 Concen: 140.885 ug/l
 RT: 3.13 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VY001640.D
 Acq: 17 Feb 2020 11:50

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.2	52.2	78.2

Manual Integrations
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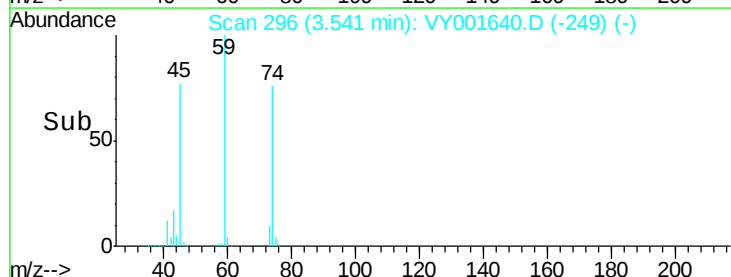
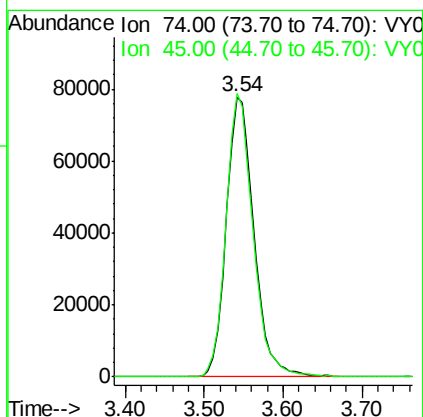
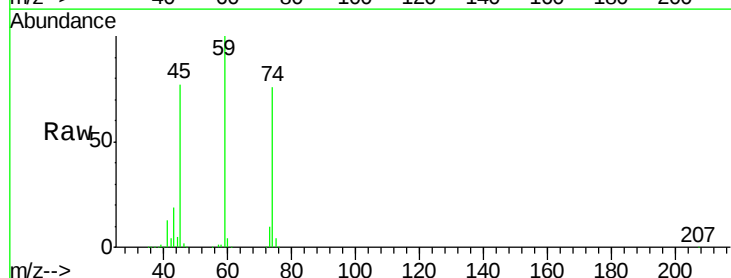
MMDadoda
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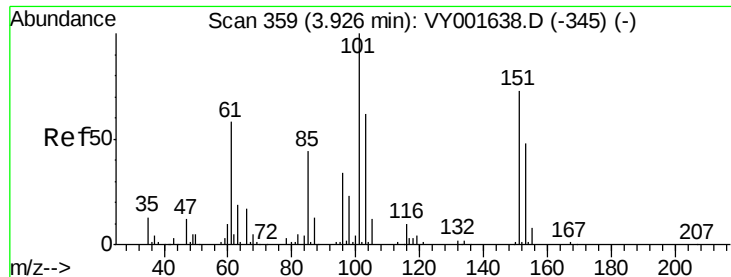


#8

Diethyl Ether
 Concen: 139.952 ug/l
 RT: 3.54 min Scan# 296
 Delta R.T. -0.01 min
 Lab File: VY001640.D
 Acq: 17 Feb 2020 11:50

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.2	49.6	148.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 143.083 ug/l

RT: 3.91 min Scan# 357

Delta R.T. -0.01 min

Lab File: VY001640.D

Acq: 17 Feb 2020 11:50

Instrument :

MSVOA_Y

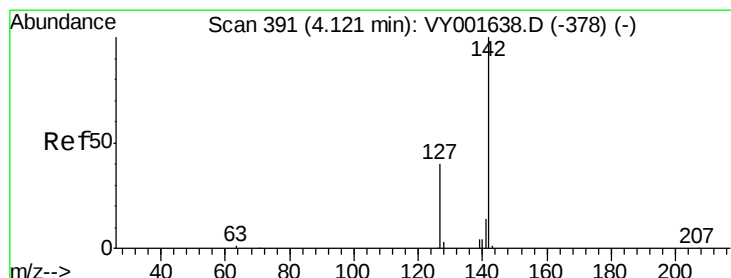
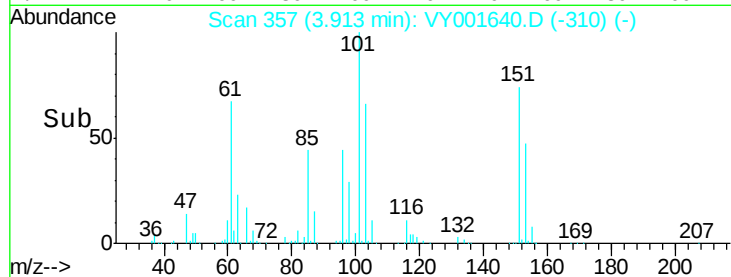
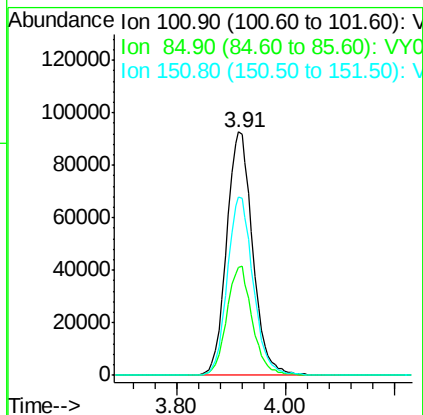
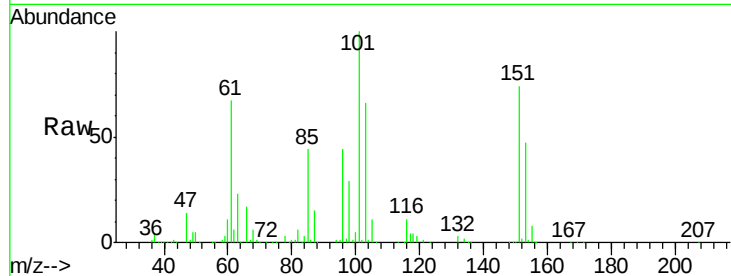
ClientSampleId :

VSTDIC150

Tot Ion:	101	Resp:	309450
Ion Ratio	Lower	Upper	
101	100		
85	43.9	35.1	52.7
151	73.0	58.4	87.6

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#10

Methyl Iodide

Concen: 150.525 ug/l

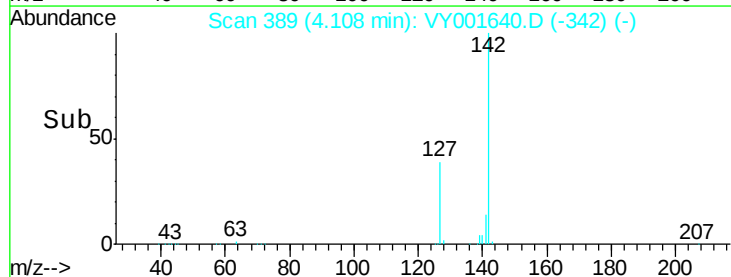
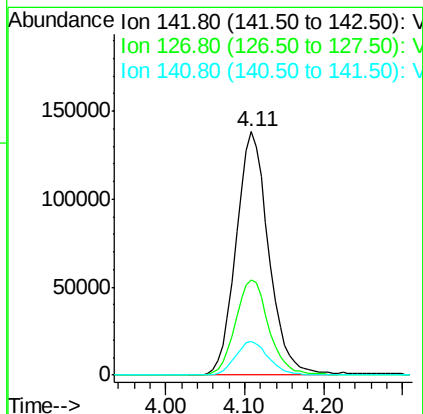
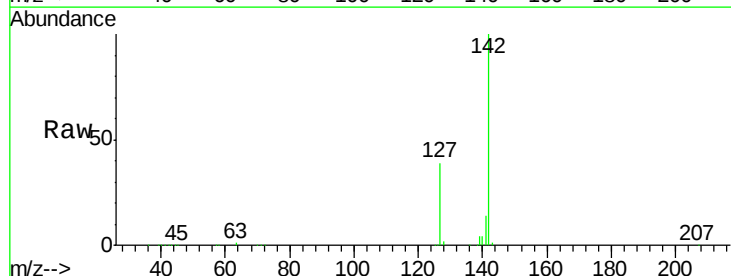
RT: 4.11 min Scan# 389

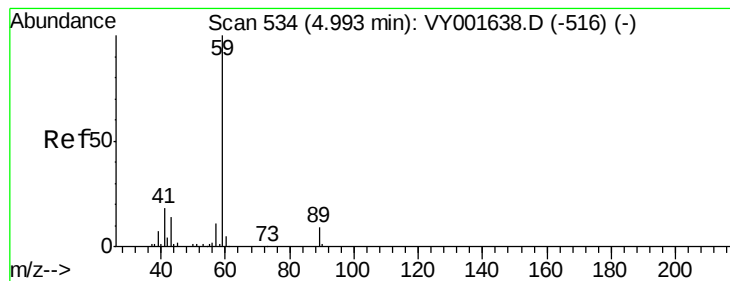
Delta R.T. -0.01 min

Lab File: VY001640.D

Acq: 17 Feb 2020 11:50

Tgt Ion:	142	Resp:	398424
Ion Ratio	Lower	Upper	
142	100		
127	40.1	32.1	48.1
141	14.1	11.3	16.9





#11

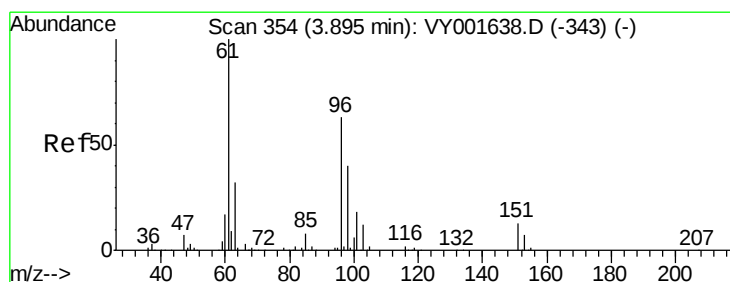
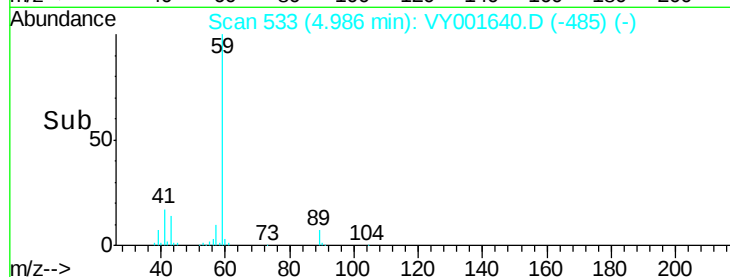
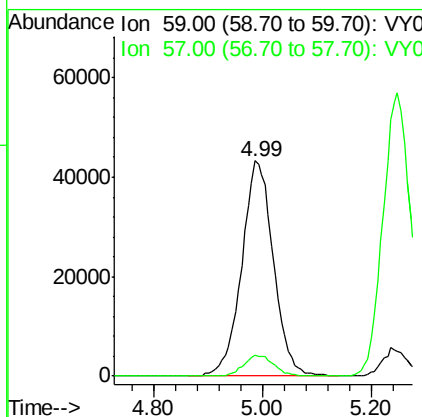
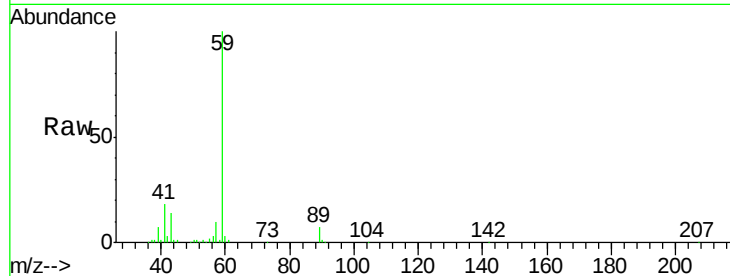
Tert butyl alcohol
Concen: 577.598 ug/l
RT: 4.99 min Scan# 533
Delta R.T. -0.01 min
Lab File: VY001640.D
Acq: 17 Feb 2020 11:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.3	7.4	11.2

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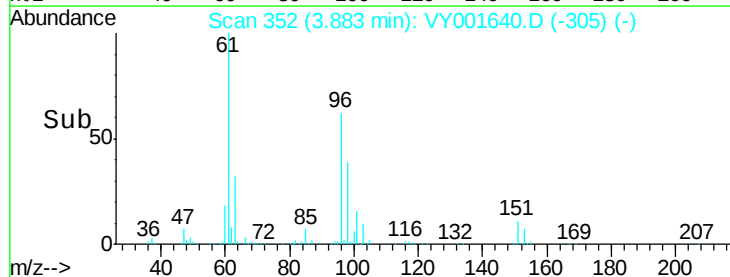
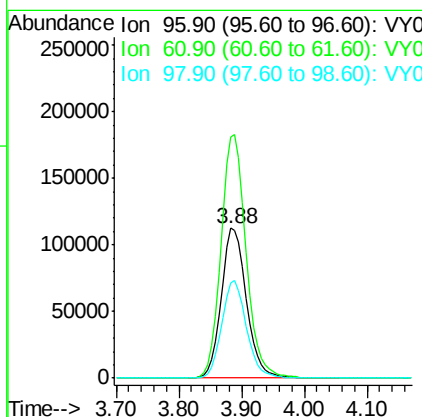
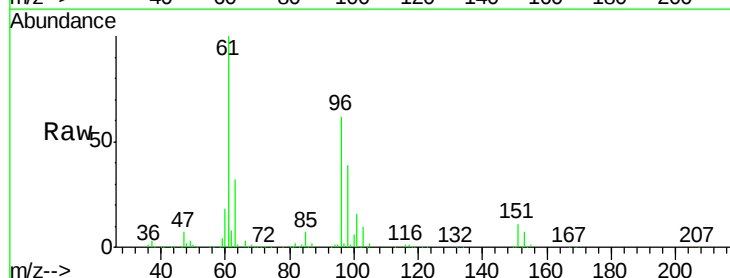
MMDadoda
2/19/2020 10:50:10 AM

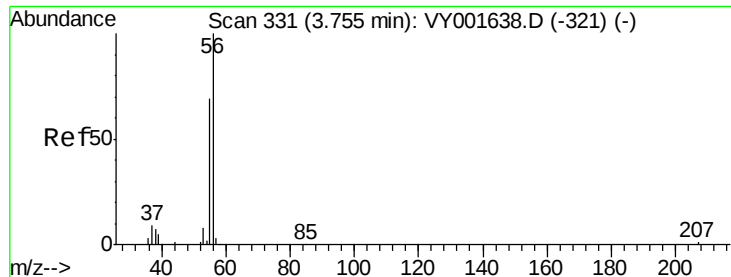


#12

1,1-Dichloroethene
Concen: 141.497 ug/l
RT: 3.88 min Scan# 352
Delta R.T. -0.01 min
Lab File: VY001640.D
Acq: 17 Feb 2020 11:50

Tgt Ion	Ratio	Lower	Upper
96	100		
61	160.9	128.7	193.1
98	63.4	50.7	76.1





#13

Acrolein

Concen: 733.074 ug/l

RT: 3.75 min Scan# 330

Delta R.T. -0.01 min

Lab File: VY001640.D

Acq: 17 Feb 2020 11:50

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 161902

Ion Ratio Lower Upper

56 100

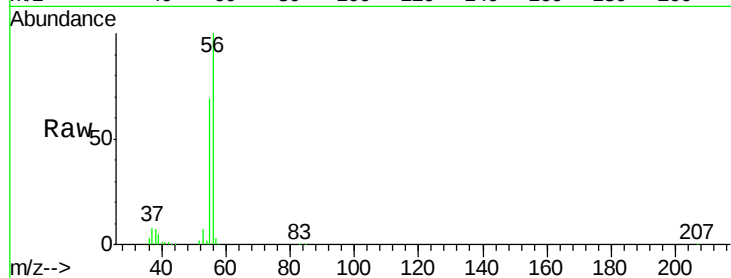
55 70.1 56.1 84.1

Manual Integrations

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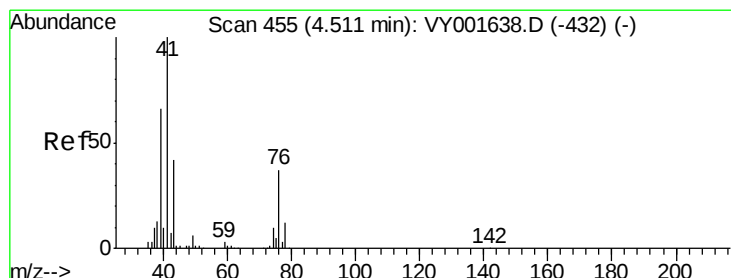
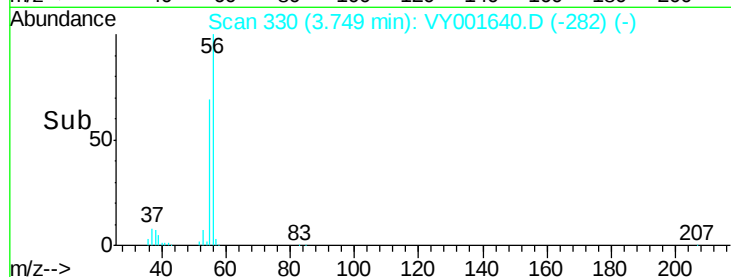
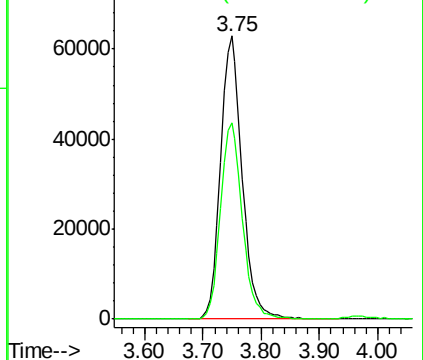
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Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0



#14

Allyl chloride

Concen: 145.414 ug/l

RT: 4.50 min Scan# 453

Delta R.T. -0.01 min

Lab File: VY001640.D

Acq: 17 Feb 2020 11:50

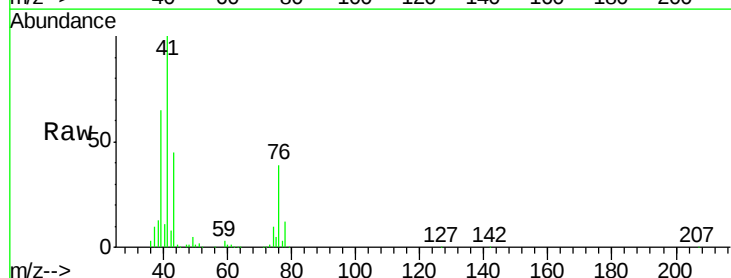
Tgt Ion: 41 Resp: 570860

Ion Ratio Lower Upper

41 100

39 61.7 49.4 74.0

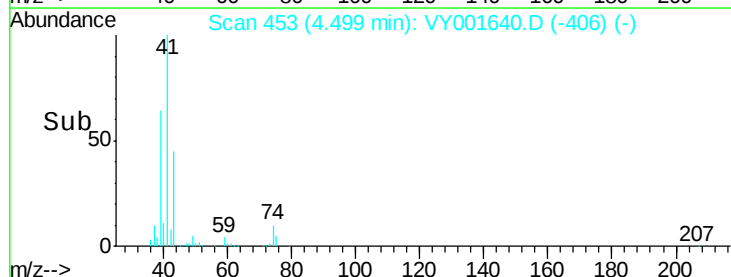
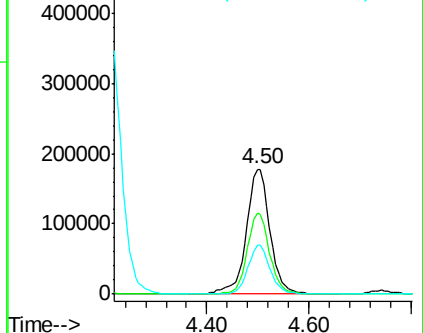
76 36.3 29.0 43.6



Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 75.90 (75.60 to 76.60): VY0





#15

Acrylonitrile

Concen: 742.781 ug/l

RT: 5.19 min Scan# 567

Delta R.T. -0.01 min

Lab File: VY001640.D

Acq: 17 Feb 2020 11:50

Instrument :

MSVOA_Y

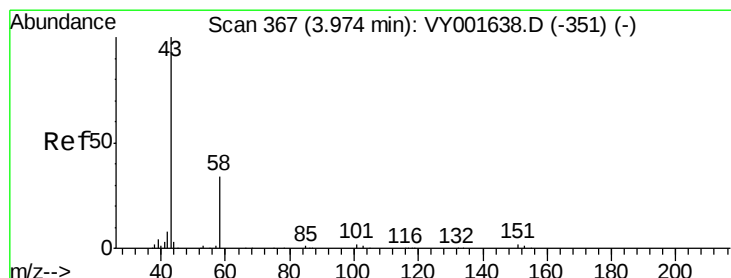
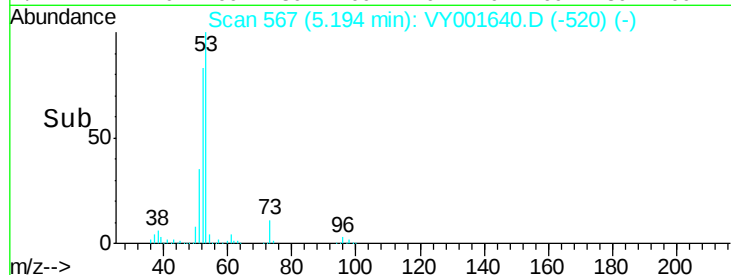
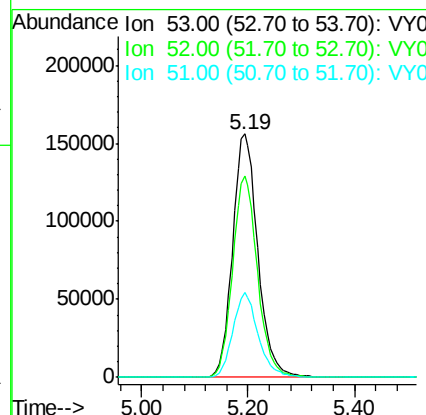
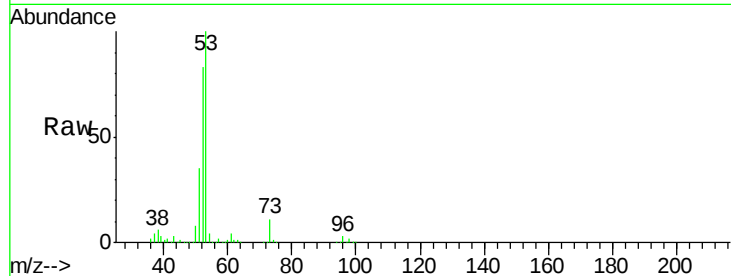
ClientSampleId :

VSTDIC150

Tot Ion:	53	Resp:	516446
Ion Ratio	Lower	Upper	
53	100		
52	81.7	65.4	98.0
51	35.0	28.0	42.0

Manual Integrations
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#16

Acetone

Concen: 790.300 ug/l

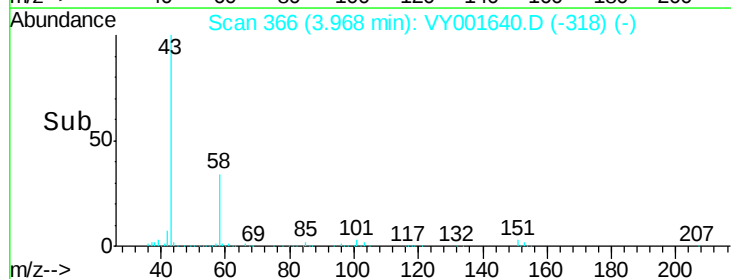
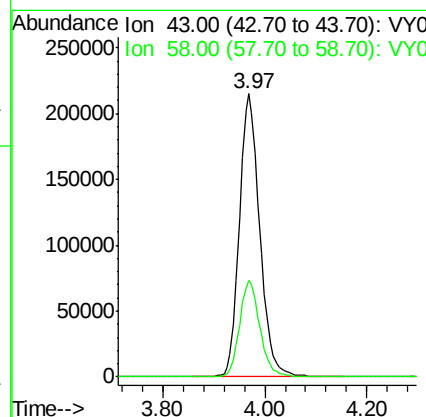
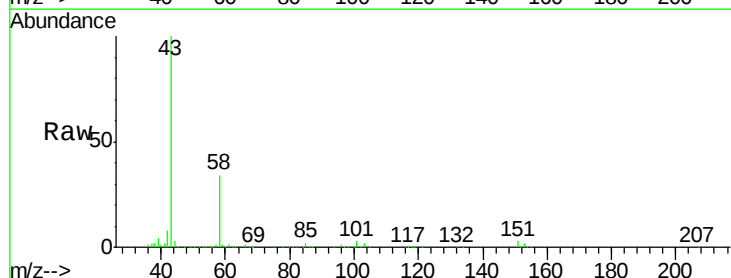
RT: 3.97 min Scan# 366

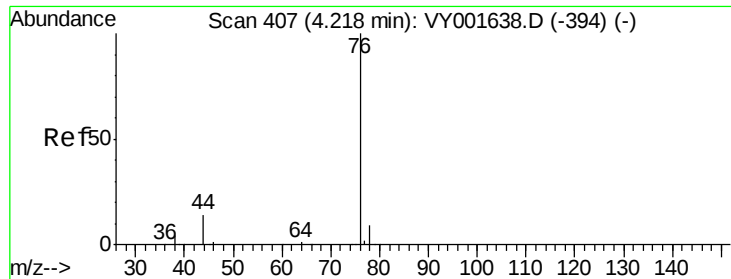
Delta R.T. -0.01 min

Lab File: VY001640.D

Acq: 17 Feb 2020 11:50

Tgt Ion:	43	Resp:	597980
Ion Ratio	Lower	Upper	
43	100		
58	34.1	27.3	40.9





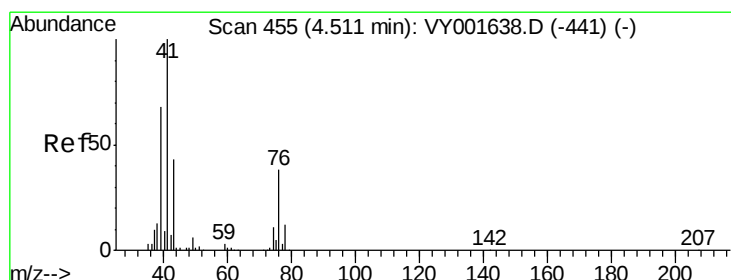
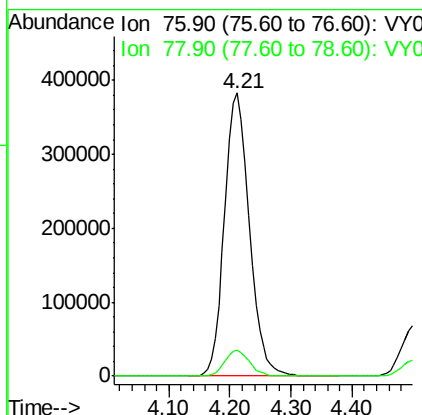
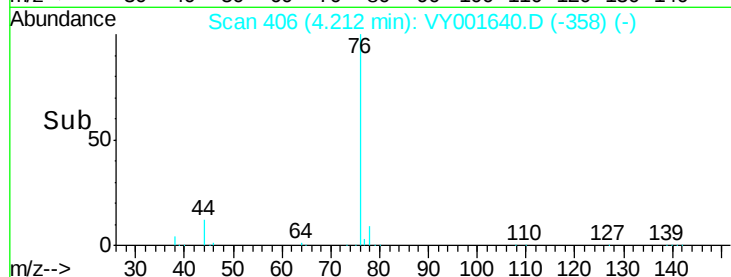
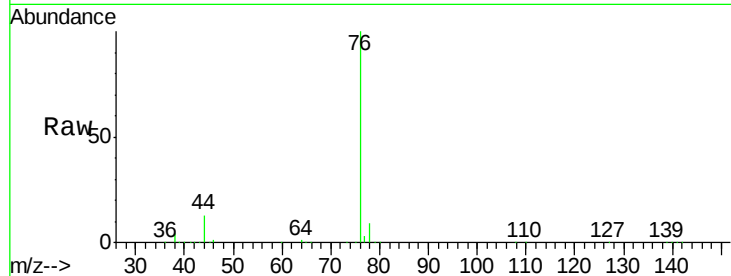
#17
Carbon Disulfide
Concen: 146.153 ug/l
RT: 4.21 min Scan# 406
Delta R.T. -0.01 min
Lab File: VY001640.D
Acq: 17 Feb 2020 11:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion: 76 Resp: 1076316
Ion Ratio Lower Upper
76 100
78 9.1 7.3 10.9

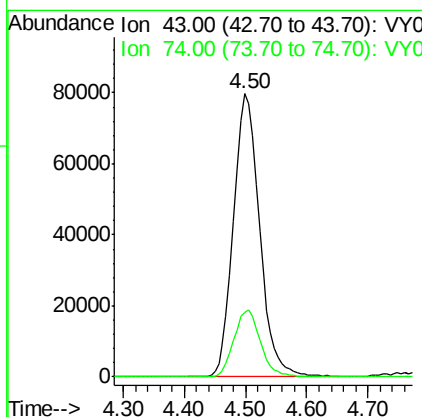
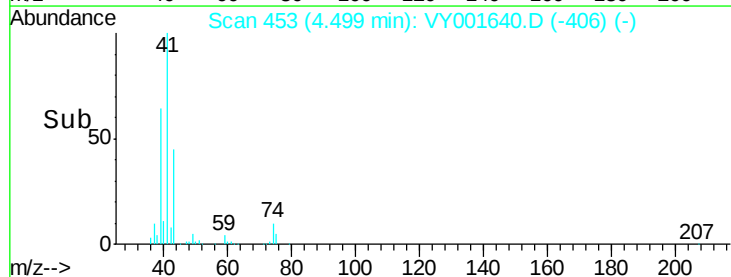
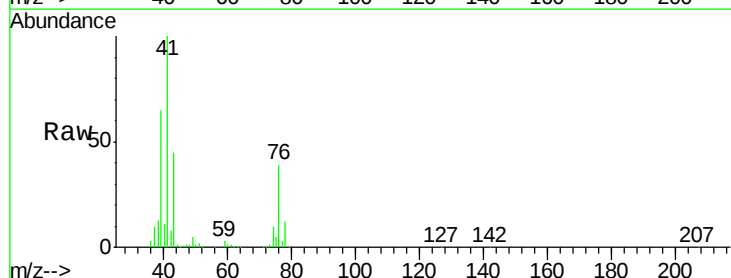
Manual Integrations
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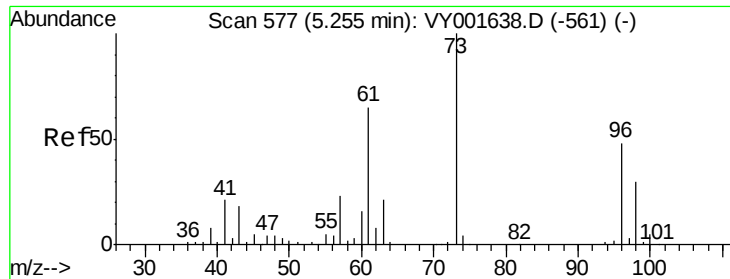
MMDadoda
2/19/2020 10:50:10 AM



#18
Methyl Acetate
Concen: 142.895 ug/l
RT: 4.50 min Scan# 453
Delta R.T. -0.01 min
Lab File: VY001640.D
Acq: 17 Feb 2020 11:50

Tgt Ion: 43 Resp: 235461
Ion Ratio Lower Upper
43 100
74 23.9 19.1 28.7





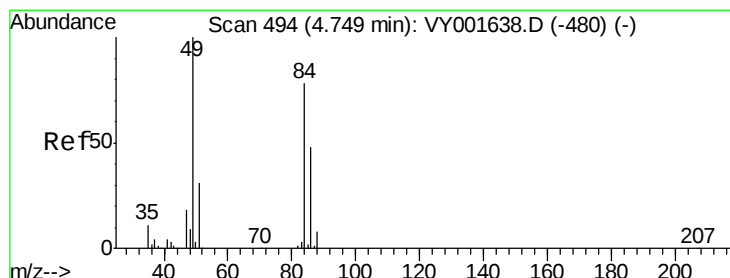
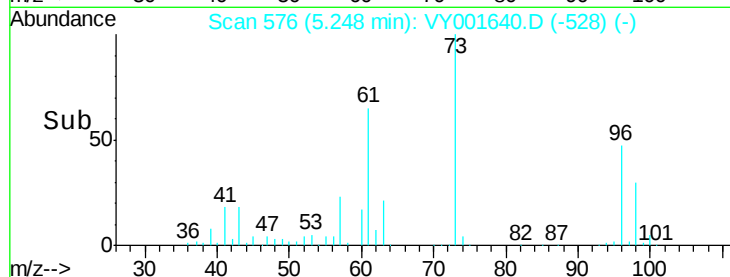
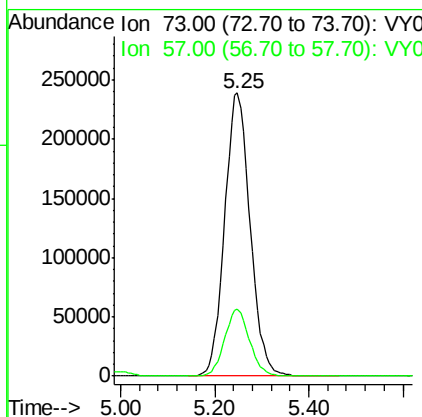
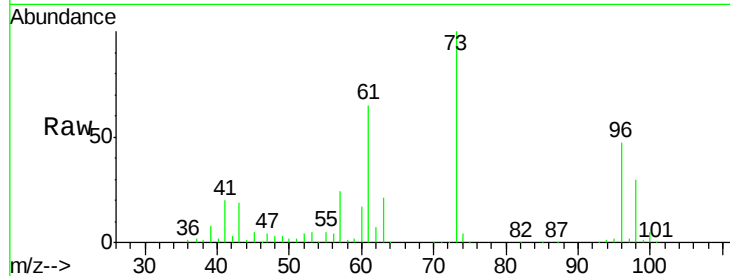
#19
Methvl tert-butvl Ether
Concen: 145.463 ug/l
RT: 5.25 min Scan# 576
Delta R.T. -0.01 min
Lab File: VY001640.D
Acq: 17 Feb 2020 11:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion: 73 Resp: 893355
Ion Ratio Lower Upper
73 100
57 23.8 19.0 28.6

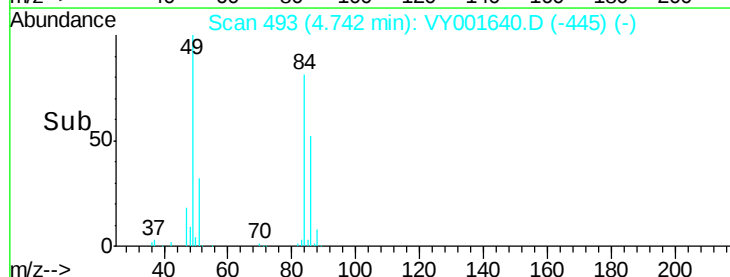
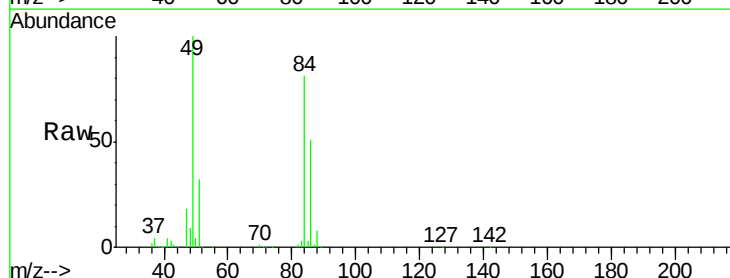
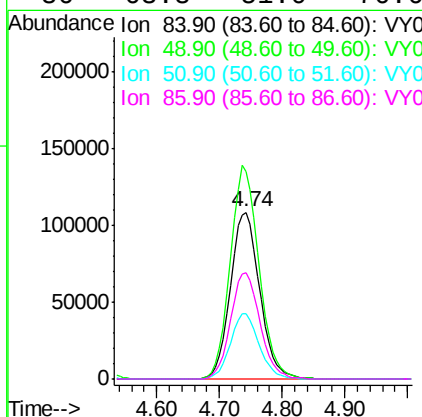
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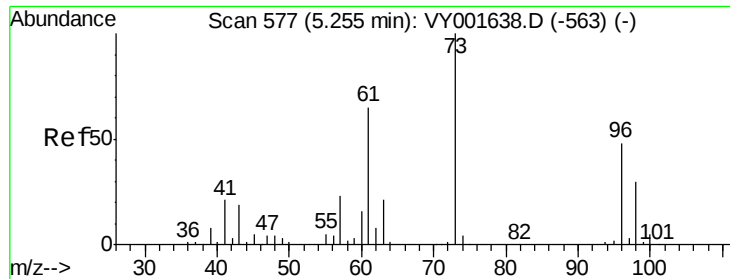
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#20
Methylene Chloride
Concen: 130.581 ug/l
RT: 4.74 min Scan# 493
Delta R.T. -0.01 min
Lab File: VY001640.D
Acq: 17 Feb 2020 11:50

Tgt Ion: 84 Resp: 350952
Ion Ratio Lower Upper
84 100
49 124.0 99.2 148.8
51 39.4 31.5 47.3
86 63.8 51.0 76.6





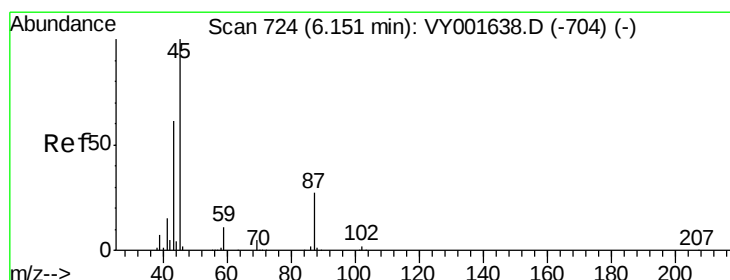
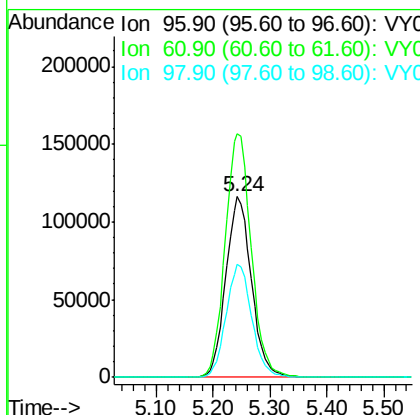
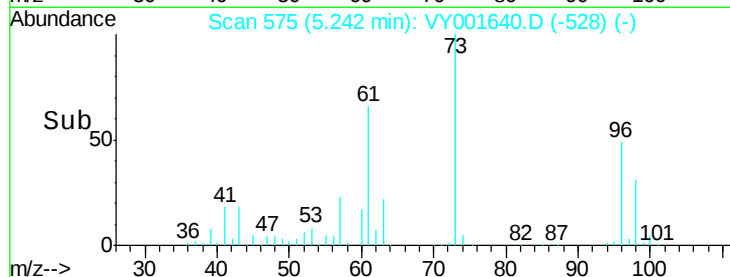
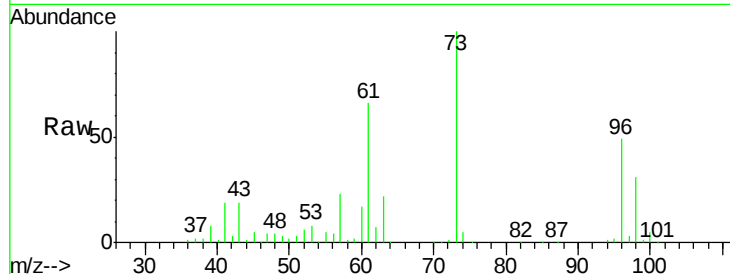
#21
trans-1,2-Dichloroethene
Concen: 144.817 ug/l
RT: 5.24 min Scan# 575
Delta R.T. -0.01 min
Lab File: VY001640.D
Acq: 17 Feb 2020 11:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
96	100		
61	134.9	107.9	161.9
98	62.3	49.8	74.8

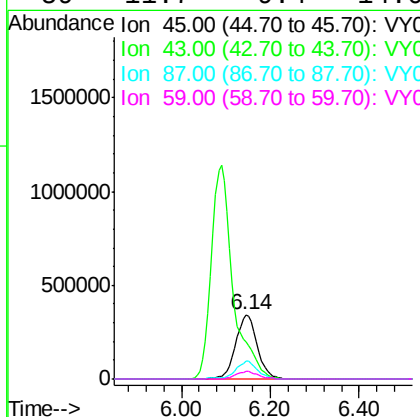
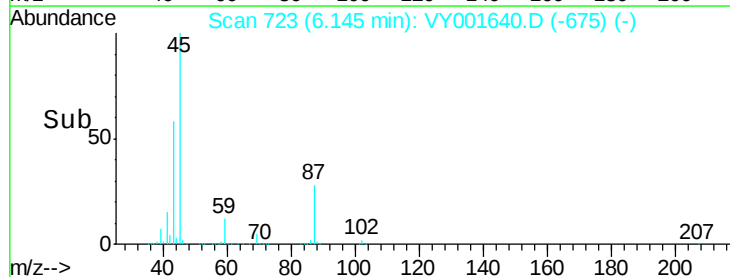
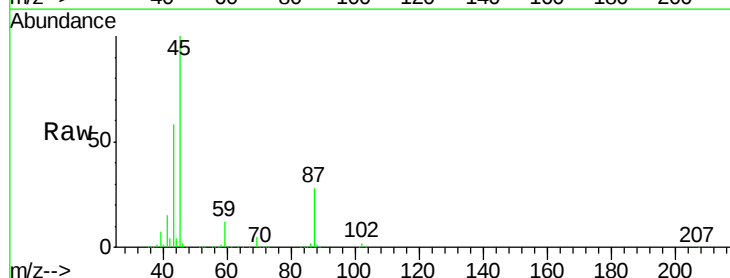
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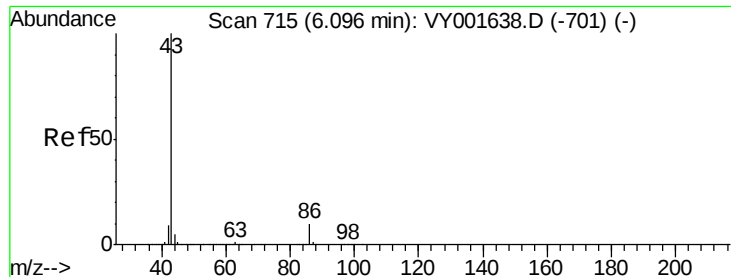
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2/19/2020 10:50:10 AM



#22
Diisopropyl ether
Concen: 144.041 ug/l
RT: 6.14 min Scan# 723
Delta R.T. -0.01 min
Lab File: VY001640.D
Acq: 17 Feb 2020 11:50

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.0	46.4	69.6
87	27.6	22.1	33.1
59	11.7	9.4	14.0





#23

Vinyl Acetate

Concen: 732.852 ug/l

RT: 6.09 min Scan# 714

Delta R.T. -0.01 min

Lab File: VY001640.D

Acq: 17 Feb 2020 11:50

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 3853899

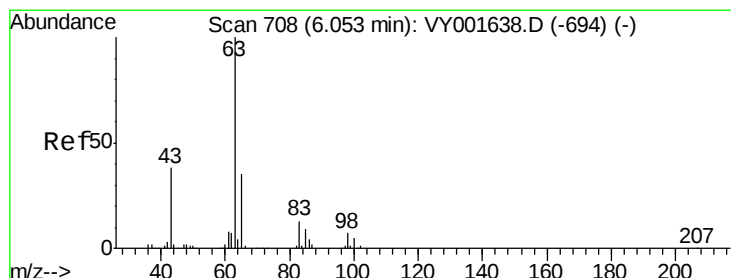
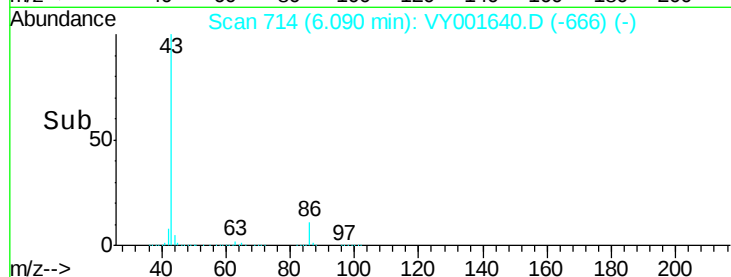
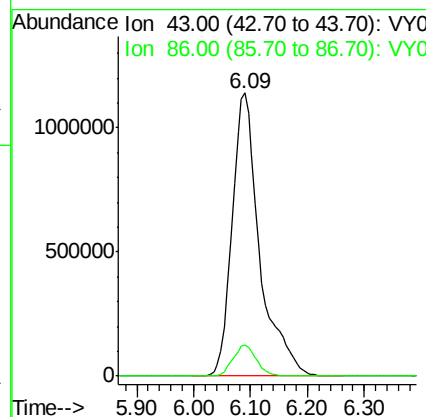
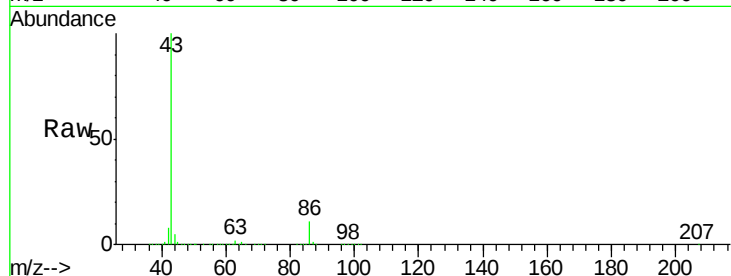
Ion Ratio Lower Upper

43 100

86 11.0 8.8 13.2

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 144.224 ug/l

RT: 6.05 min Scan# 707

Delta R.T. -0.01 min

Lab File: VY001640.D

Acq: 17 Feb 2020 11:50

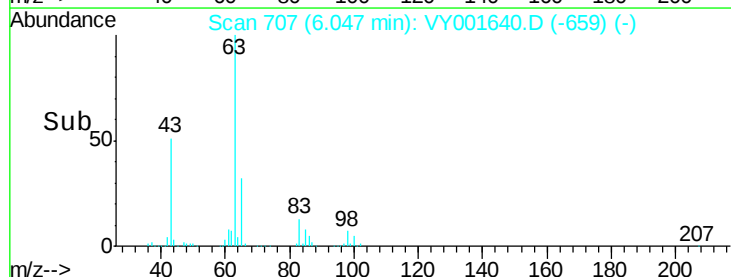
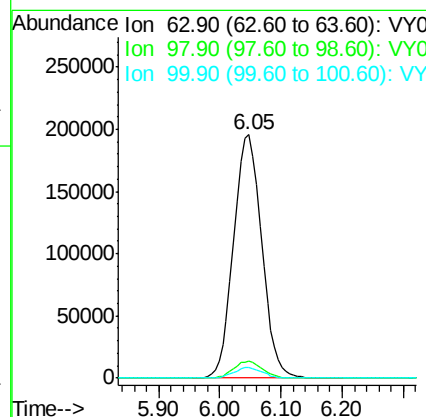
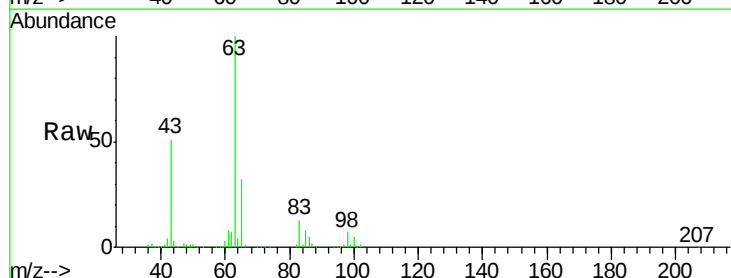
Tgt Ion: 63 Resp: 621450

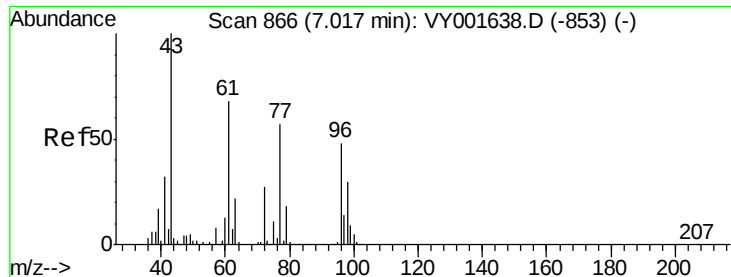
Ion Ratio Lower Upper

63 100

98 6.8 3.4 10.2

100 4.6 2.3 6.9





#25

2-Butanone

Concen: 761.952 ug/l

RT: 7.01 min Scan# 865

Delta R.T. -0.01 min

Lab File: VY001640.D

Acq: 17 Feb 2020 11:50

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 783194

Ion Ratio Lower Upper

43 100

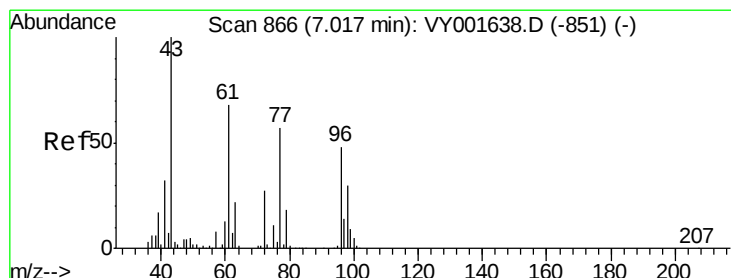
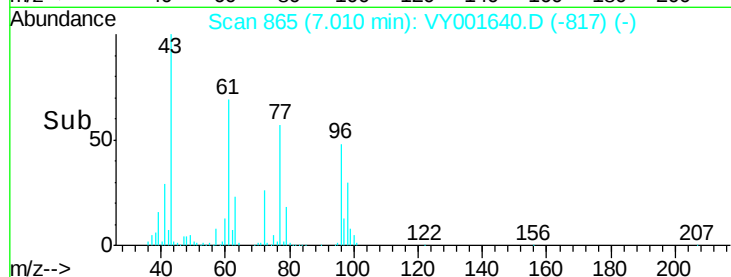
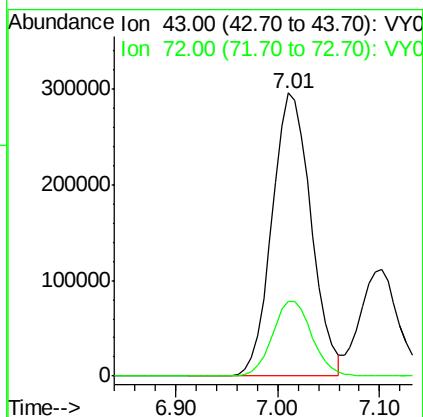
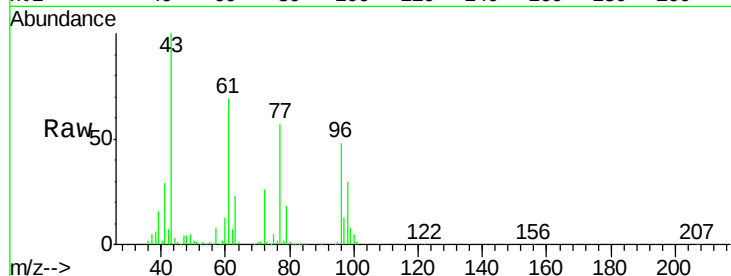
72 26.5 21.2 31.8

Manual Integrations

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2/19/2020 10:50:10 AM



#26

2,2-Dichloropropane

Concen: 139.345 ug/l

RT: 7.01 min Scan# 865

Delta R.T. -0.01 min

Lab File: VY001640.D

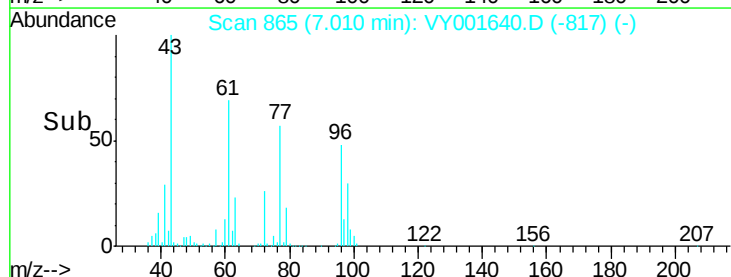
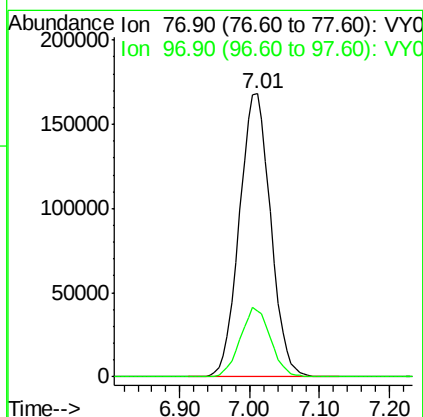
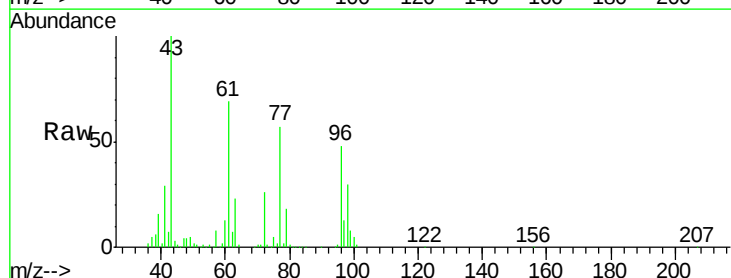
Acq: 17 Feb 2020 11:50

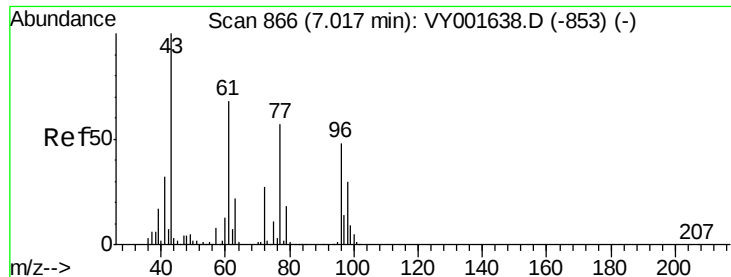
Tgt Ion: 77 Resp: 522386

Ion Ratio Lower Upper

77 100

97 23.6 11.8 35.4





#27

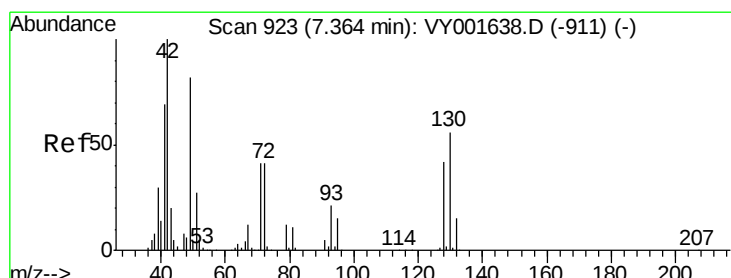
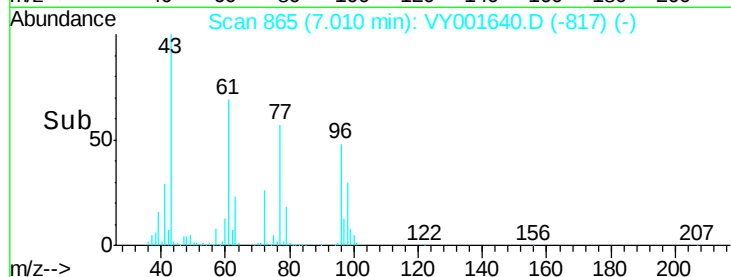
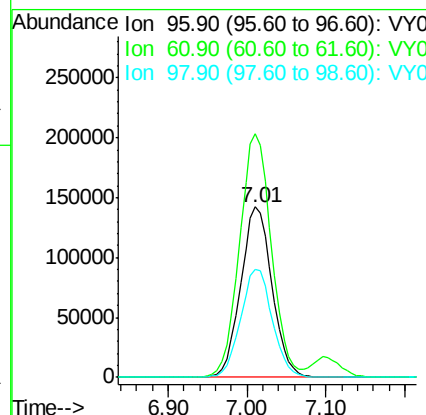
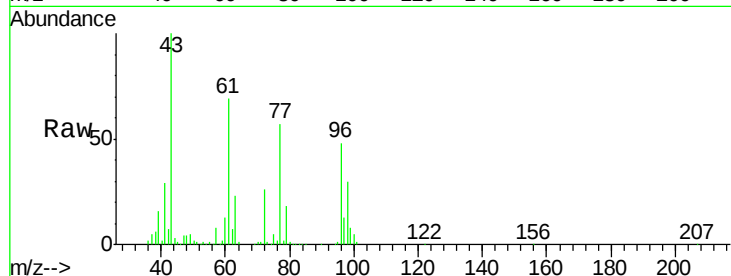
cis-1,2-Dichloroethene
Concen: 141.235 ug/l
RT: 7.01 min Scan# 865
Delta R.T. -0.01 min
Lab File: VY001640.D
Acq: 17 Feb 2020 11:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	145.4	0.0	290.8	
98	64.3	0.0	128.6	

Manual Integrations
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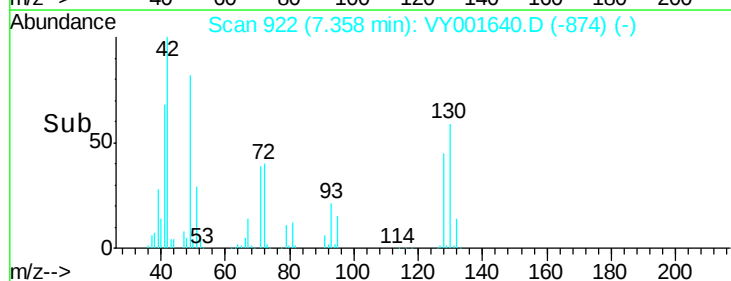
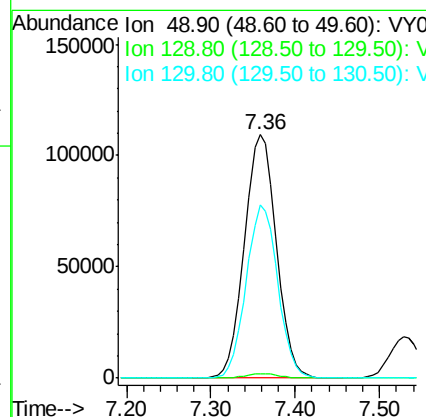
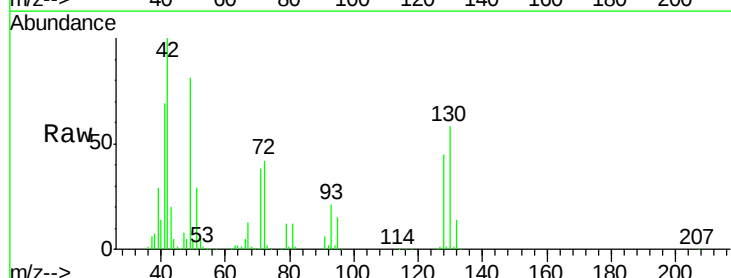
MMDadoda
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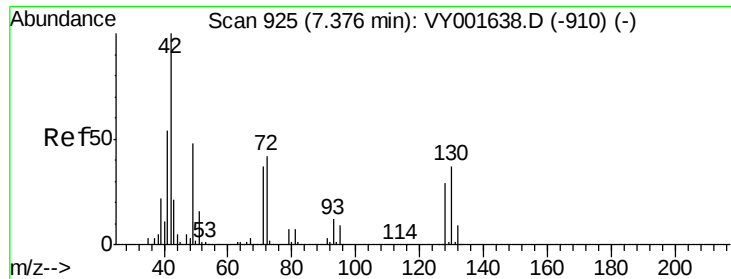


#28

Bromochloromethane
Concen: 156.827 ug/l
RT: 7.36 min Scan# 922
Delta R.T. -0.01 min
Lab File: VY001640.D
Acq: 17 Feb 2020 11:50

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.8	0.0	3.6	
130	70.3	56.2	84.4	





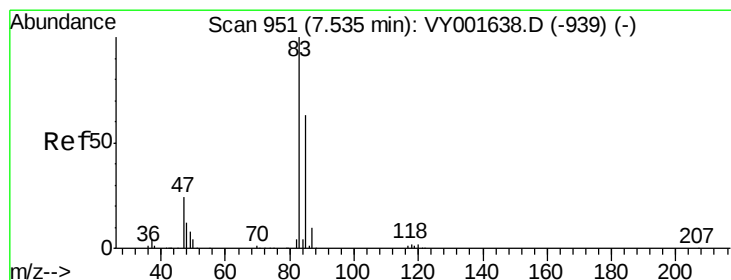
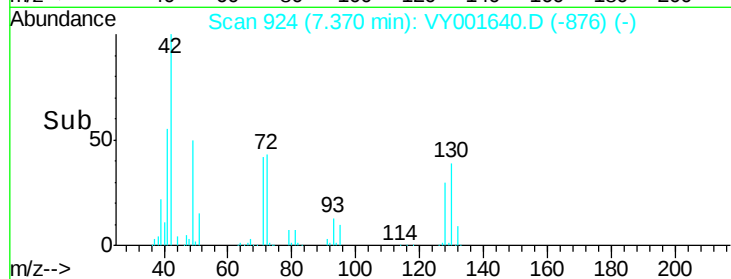
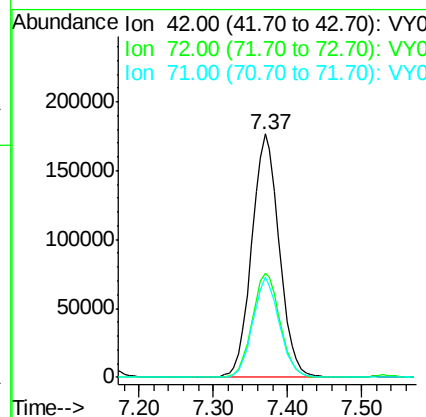
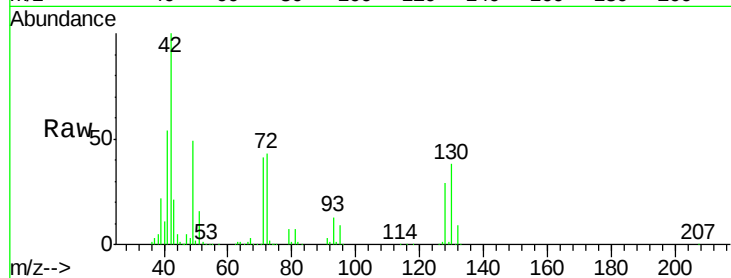
#29
Tetrahydrofuran
Concen: 738.009 ug/l
RT: 7.37 min Scan# 924
Delta R.T. -0.01 min
Lab File: VY001640.D
Acq: 17 Feb 2020 11:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.0	34.4	51.6
71	39.8	31.8	47.8

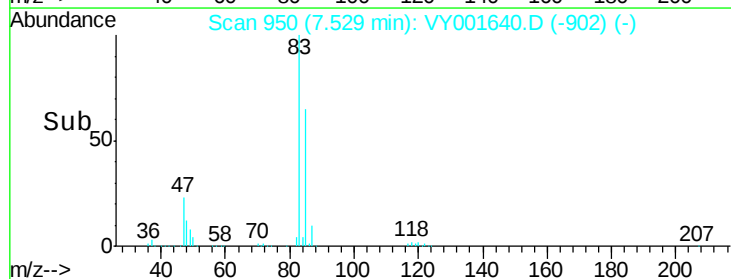
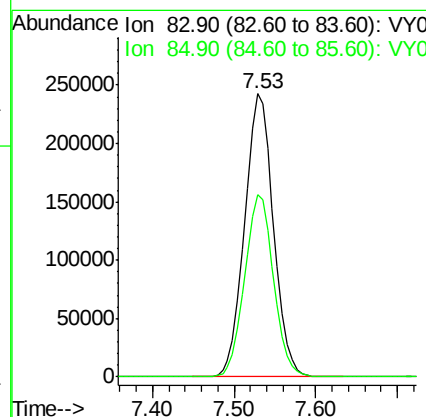
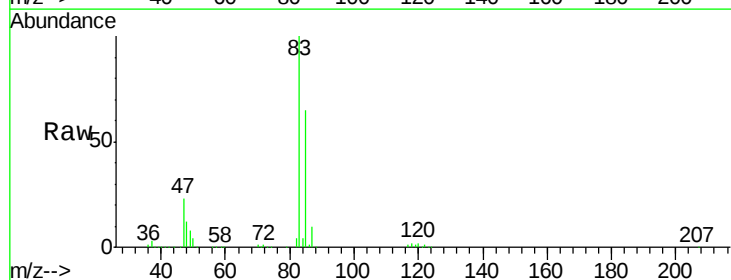
Manual Integrations
APPROVED

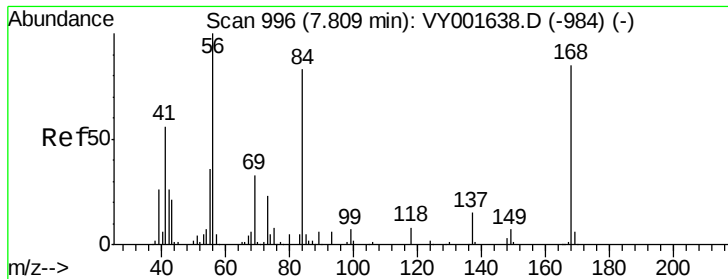
MMDadoda
2/19/2020 10:50:10 AM



#30
Chloroform
Concen: 140.883 ug/l
RT: 7.53 min Scan# 950
Delta R.T. -0.01 min
Lab File: VY001640.D
Acq: 17 Feb 2020 11:50

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.6	77.4





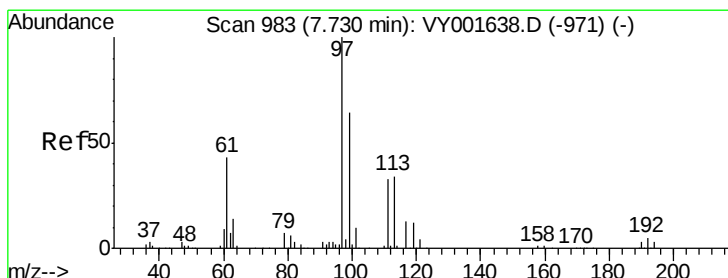
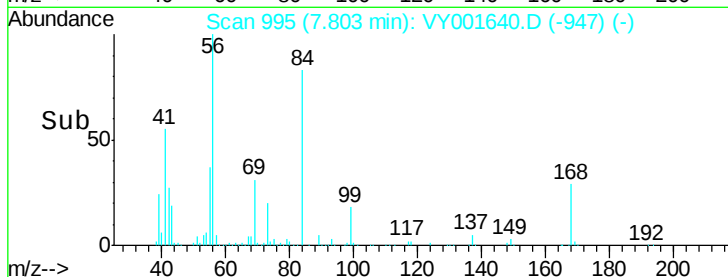
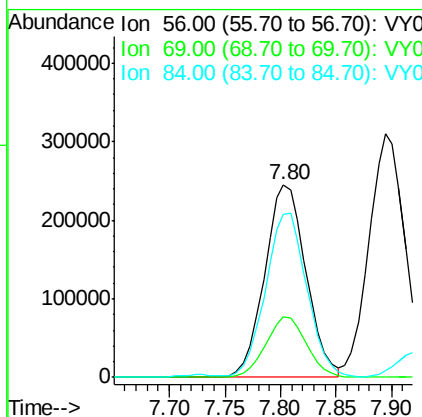
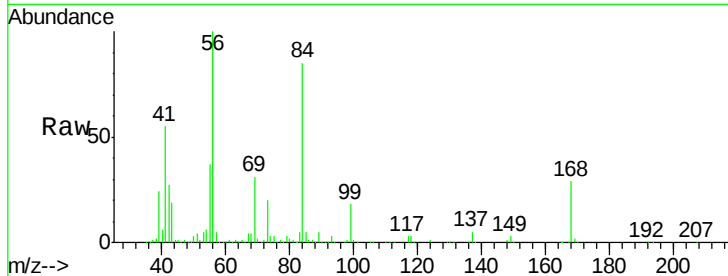
#31
Cyclohexane
Concen: 137.318 ug/l
RT: 7.80 min Scan# 995
Delta R.T. -0.01 min
Lab File: VY001640.D
Acq: 17 Feb 2020 11:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.4	25.1	37.7
84	83.6	66.9	100.3

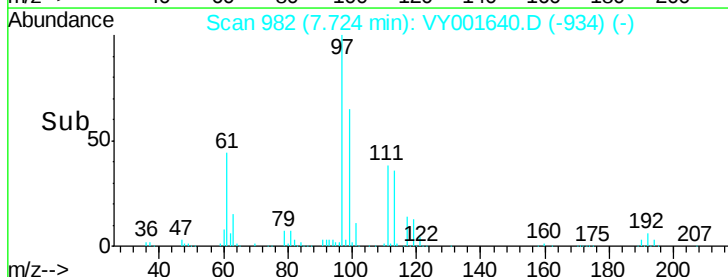
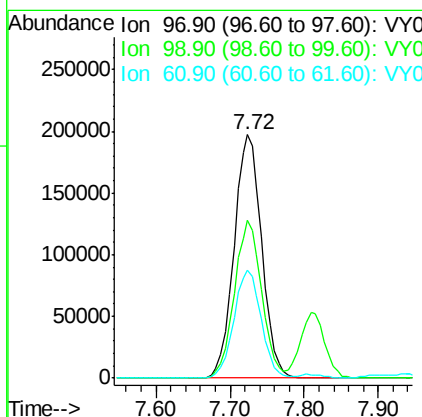
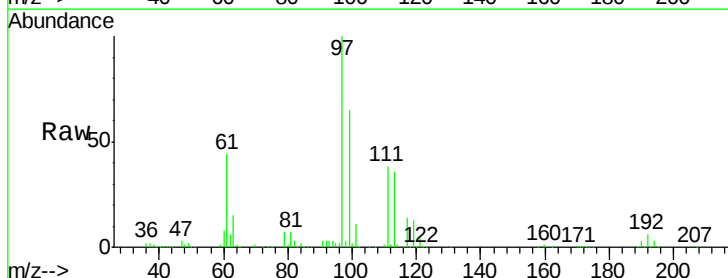
Manual Integrations
APPROVED

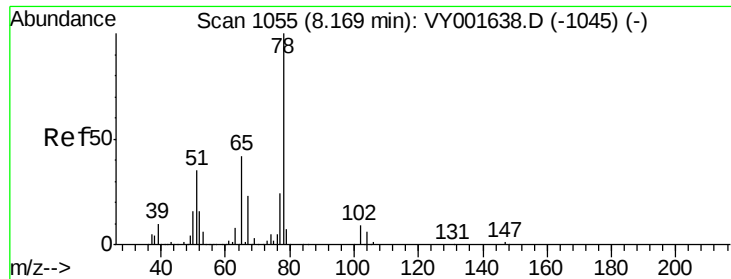
MMDadoda
2/19/2020 10:50:10 AM



#32
1,1,1-Trichloroethane
Concen: 144.277 ug/l
RT: 7.72 min Scan# 982
Delta R.T. -0.01 min
Lab File: VY001640.D
Acq: 17 Feb 2020 11:50

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.2	76.8
61	43.8	35.0	52.6





#33

1,2-Dichloroethane-d4

Concen: 154.067 ug/l

RT: 8.16 min Scan# 1054

Delta R.T. -0.01 min

Lab File: VY001640.D

Acq: 17 Feb 2020 11:50

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tot Ion: 65 Resp: 336910

Ion Ratio Lower Upper

65 100

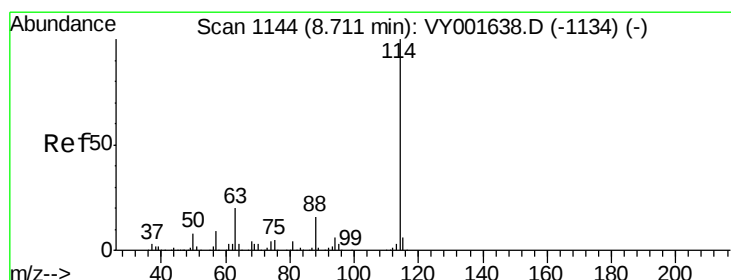
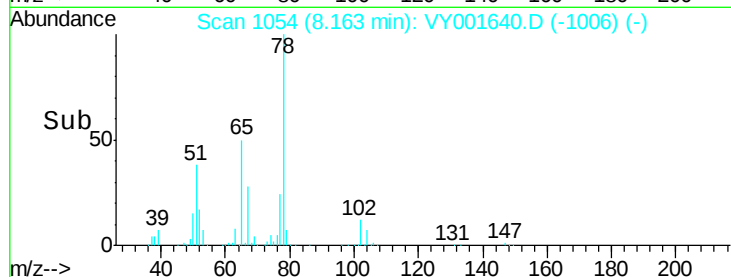
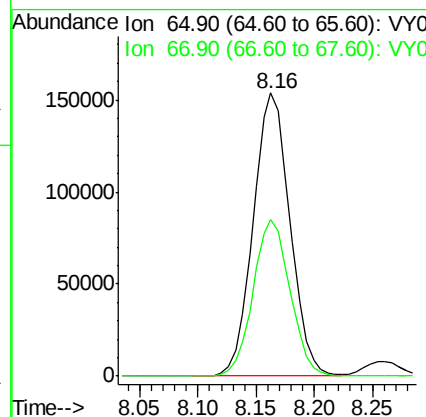
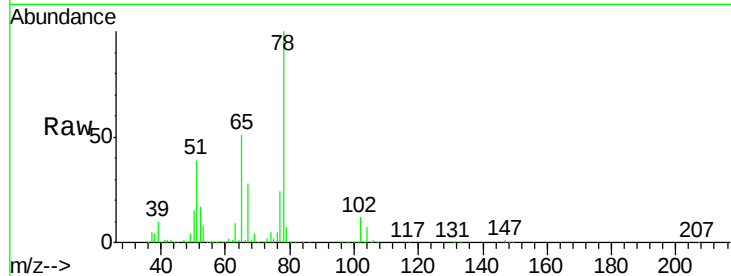
67 55.5 0.0 111.0

Manual Integrations

APPROVED

MMDadoda

2/19/2020 10:50:10 AM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.71 min Scan# 1143

Delta R.T. -0.01 min

Lab File: VY001640.D

Acq: 17 Feb 2020 11:50

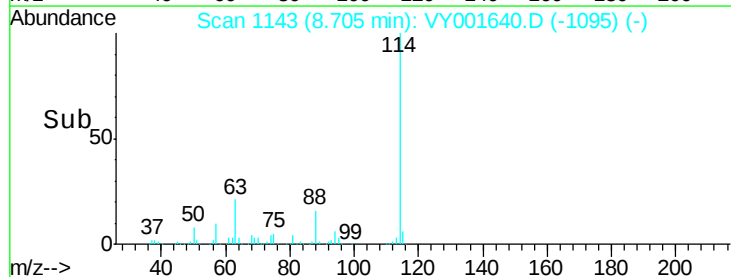
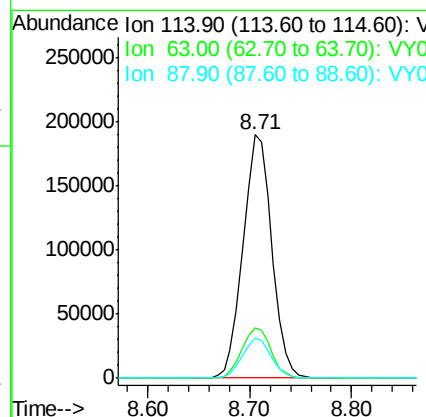
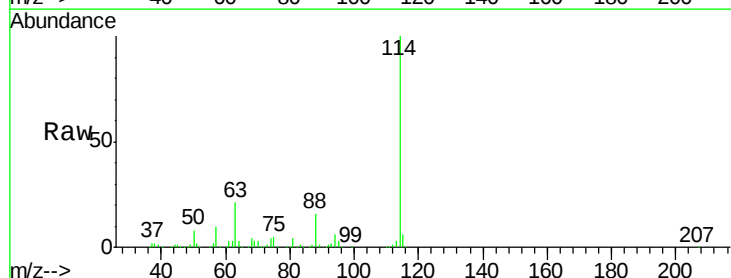
Tgt Ion: 114 Resp: 369968

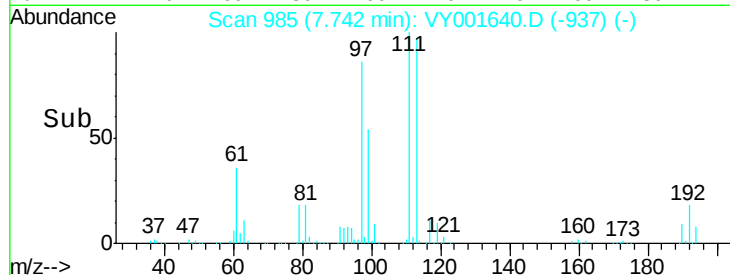
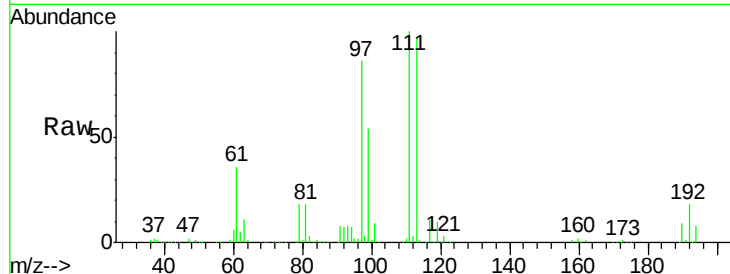
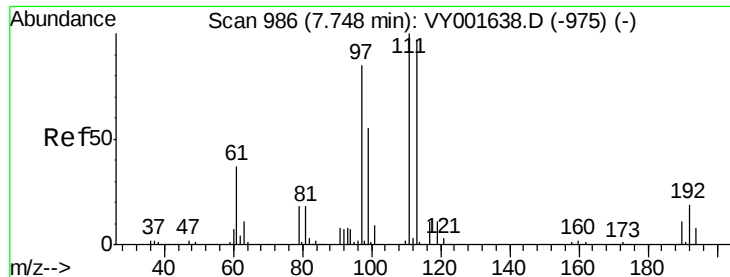
Ion Ratio Lower Upper

114 100

63 20.7 0.0 41.4

88 16.4 0.0 32.8





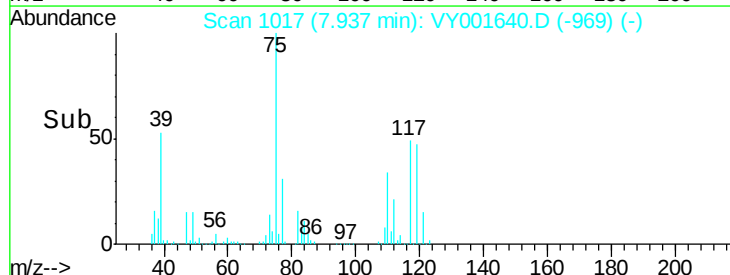
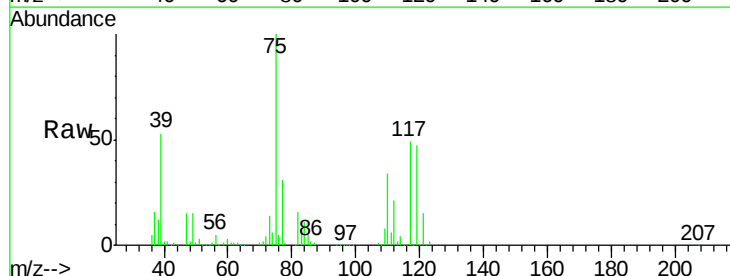
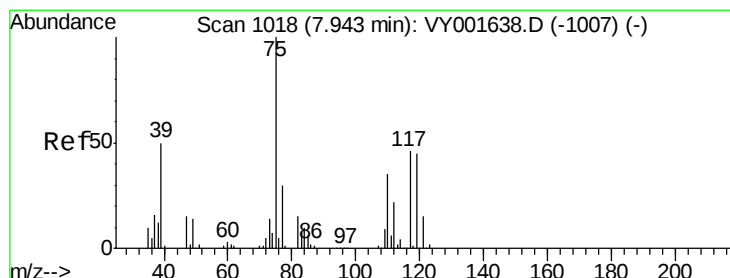
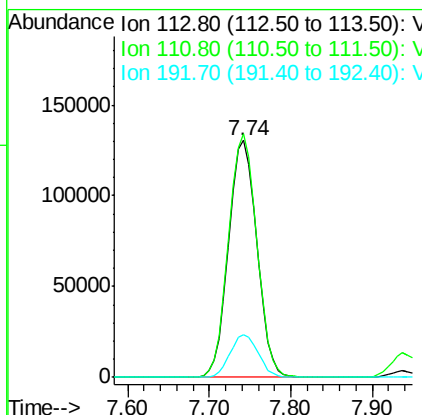
#35
Dibromofluoromethane
Concen: 147.706 ug/l
RT: 7.74 min Scan# 985
Delta R.T. -0.01 min
Lab File: VY001640.D
Acq: 17 Feb 2020 11:50

Tot Ion	Ratio	Resp	Lower	Upper
113	100	312991		
111	102.4	81.9	122.9	
192	17.9	14.3	21.5	

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

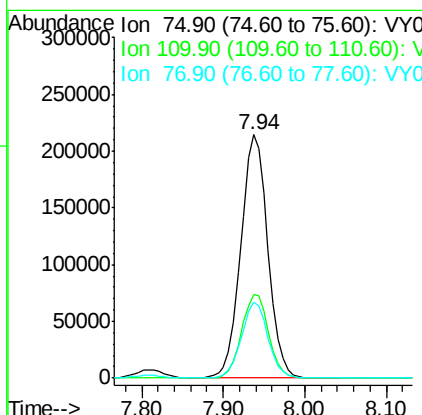
Manual Integrations
APPROVED

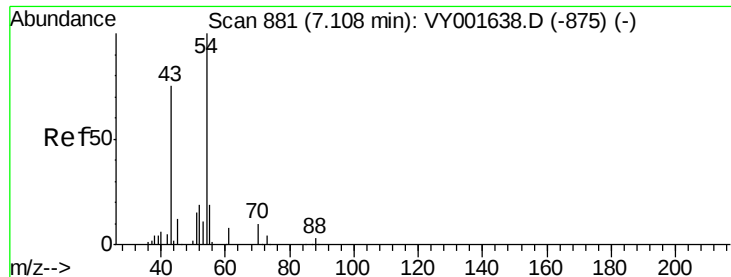
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2/19/2020 10:50:10 AM



#36
1,1-Dichloropropene
Concen: 139.076 ug/l
RT: 7.94 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VY001640.D
Acq: 17 Feb 2020 11:50

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	491482		
110	34.4	17.2	51.6	
77	31.0	24.8	37.2	





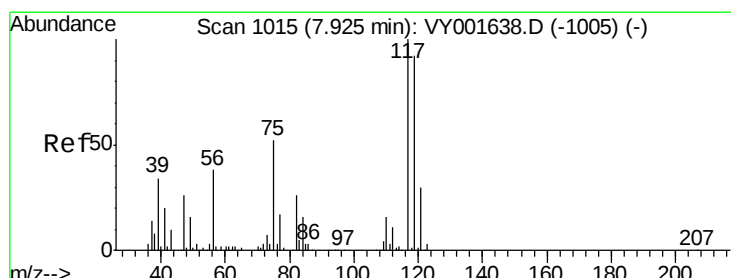
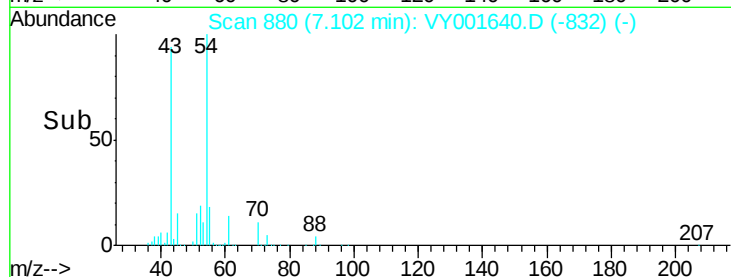
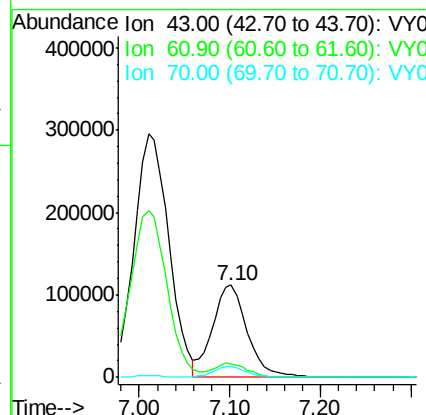
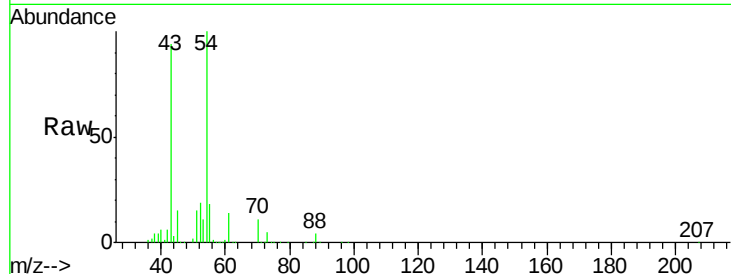
#37
Ethyl Acetate
Concen: 141.903 ug/l
RT: 7.10 min Scan# 880
Delta R.T. -0.01 min
Lab File: VY001640.D
Acq: 17 Feb 2020 11:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

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

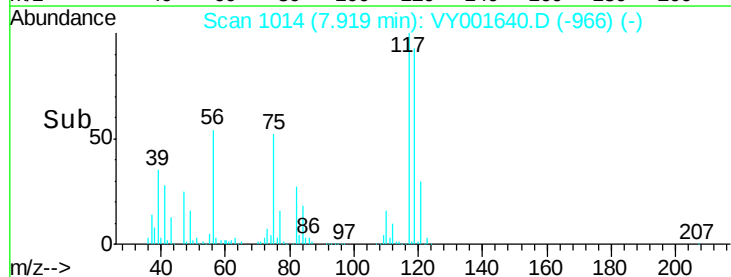
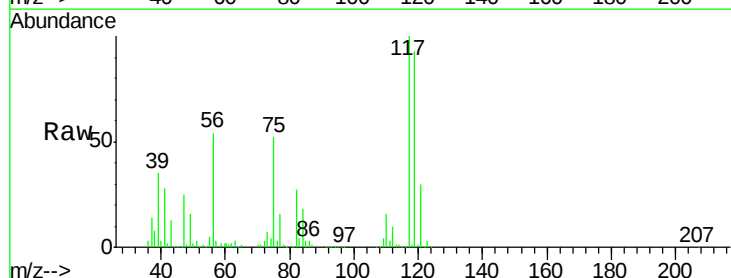
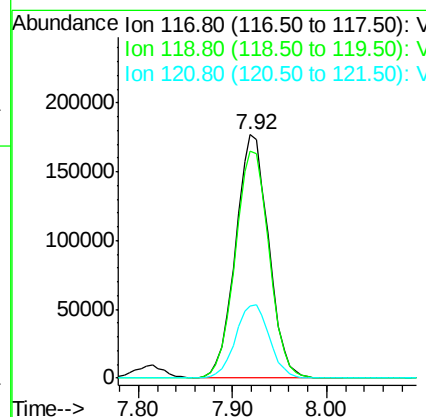
Manual Integrations
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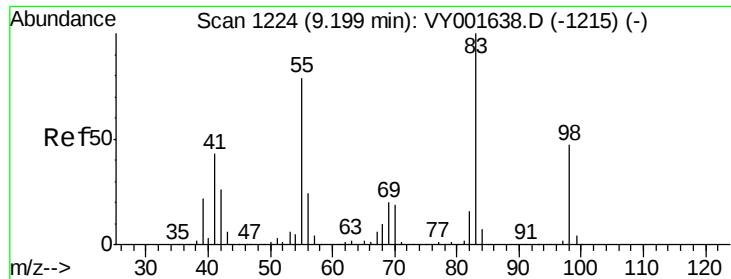
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#38
Carbon Tetrachloride
Concen: 139.061 ug/l
RT: 7.92 min Scan# 1014
Delta R.T. -0.01 min
Lab File: VY001640.D
Acq: 17 Feb 2020 11:50

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.5	74.8	112.2
121	29.7	23.8	35.6





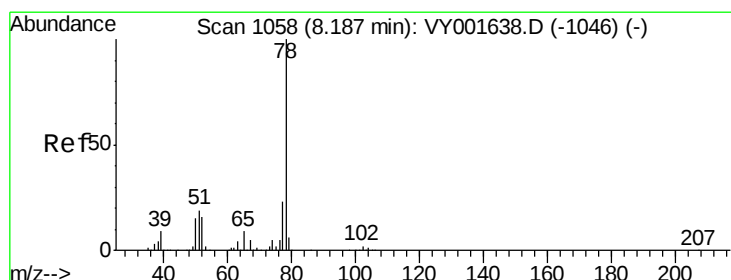
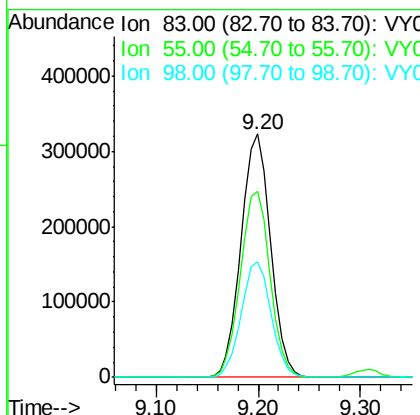
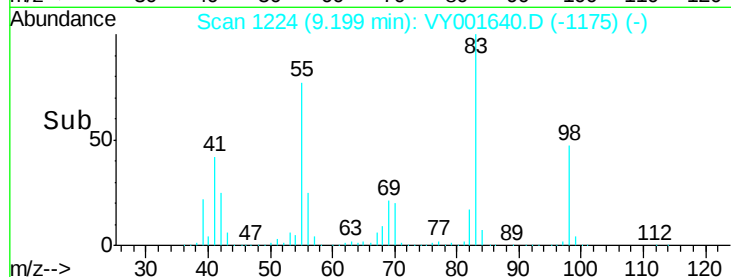
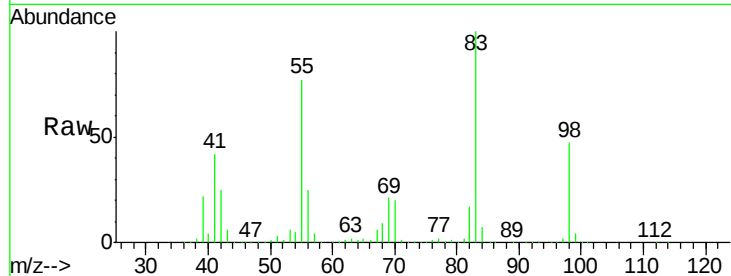
#39
Methvlcvclohexane
Concen: 139.489 ug/l
RT: 9.20 min Scan# 1224
Delta R.T. -0.00 min
Lab File: VY001640.D
Acq: 17 Feb 2020 11:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion	83	Resp	653971
Ion Ratio	100	Lower	Upper
83	100		
55	76.6	61.3	91.9
98	47.5	38.0	57.0

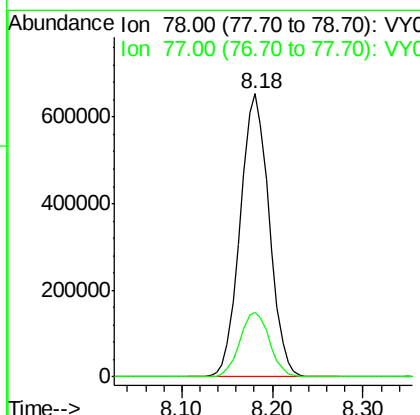
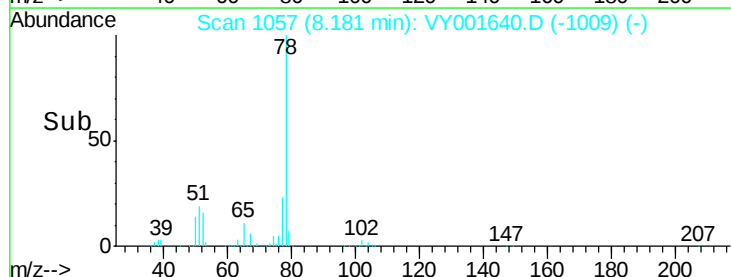
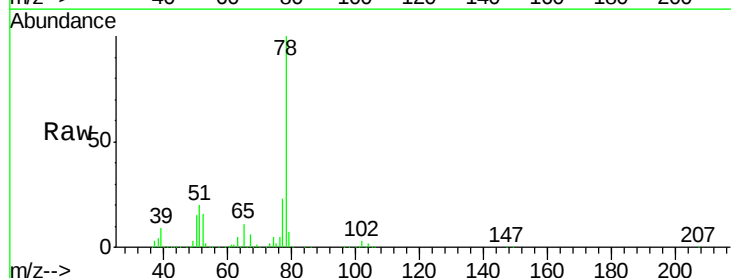
Manual Integrations
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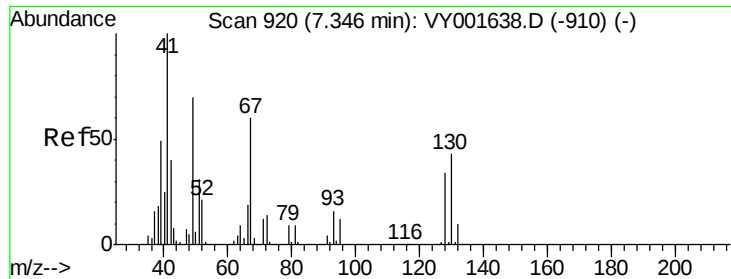
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2/19/2020 10:50:10 AM



#40
Benzene
Concen: 138.946 ug/l
RT: 8.18 min Scan# 1057
Delta R.T. -0.01 min
Lab File: VY001640.D
Acq: 17 Feb 2020 11:50

Tgt Ion	78	Resp	1444126
Ion Ratio	100	Lower	Upper
78	100		
77	22.8	18.2	27.4





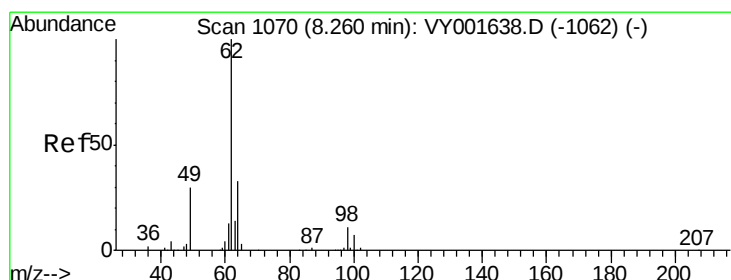
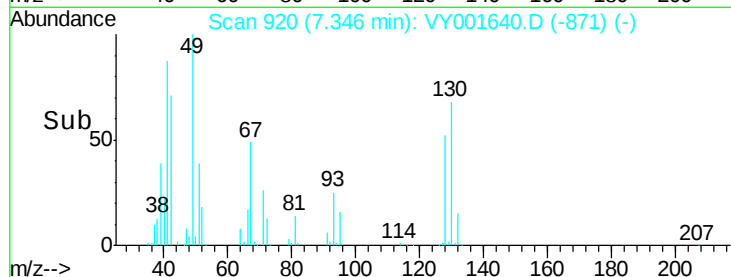
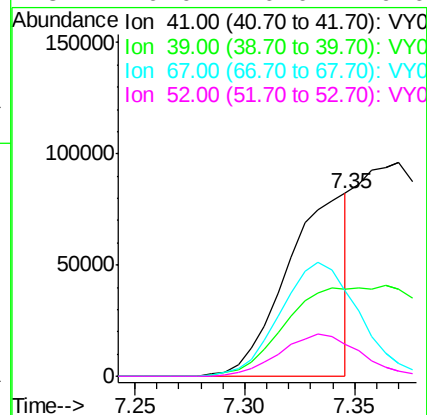
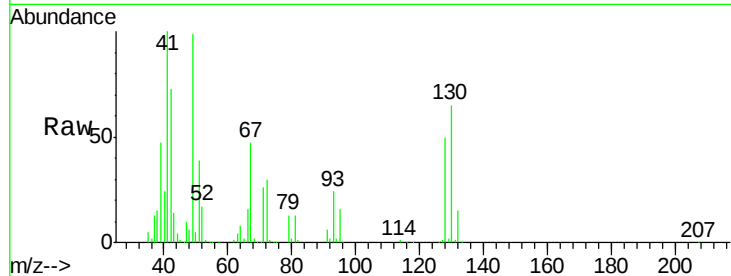
#41
Methacrylonitrile
Concen: 56.292 ug/l m
RT: 7.35 min Scan# 920
Delta R.T. -0.00 min
Lab File: VY001640.D
Acq: 17 Feb 2020 11:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		160829		
39	112.9	36.0	54.0#		
67	0.0	0.0	0.0		
52	0.0	0.0	0.0		

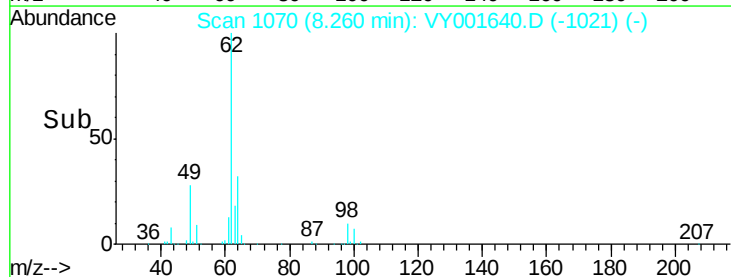
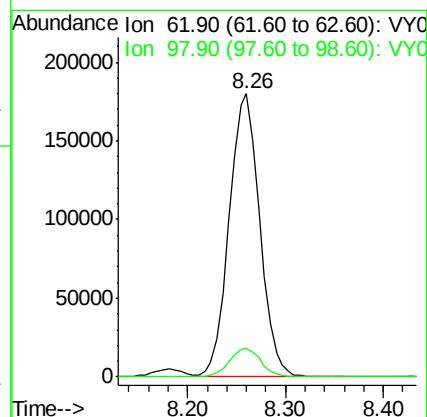
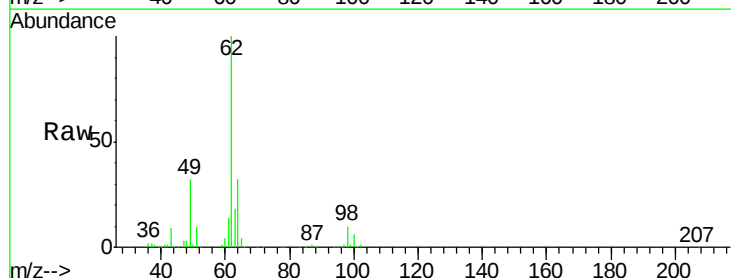
Manual Integrations
APPROVED

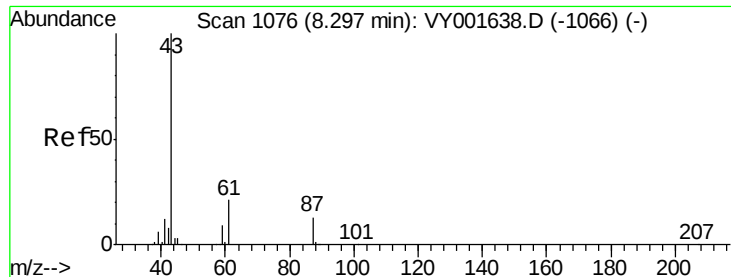
MMDadoda
2/19/2020 10:50:10 AM



#42
1,2-Dichloroethane
Concen: 137.595 ug/l
RT: 8.26 min Scan# 1070
Delta R.T. -0.00 min
Lab File: VY001640.D
Acq: 17 Feb 2020 11:50

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		389600		
98	10.4	0.0	20.8		





#43

Isopropyl Acetate

Concen: 144.136 ug/l

RT: 8.29 min Scan# 1075

Delta R.T. -0.01 min

Lab File: VY001640.D

Acq: 17 Feb 2020 11:50

Instrument :

MSVOA_Y

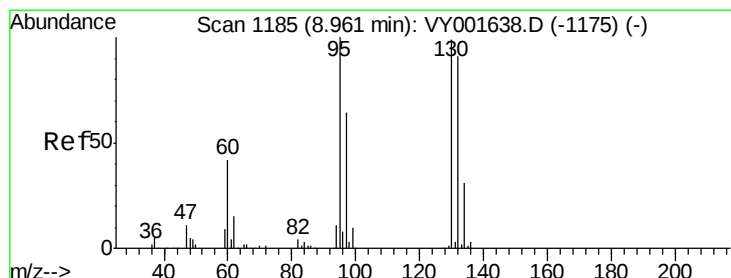
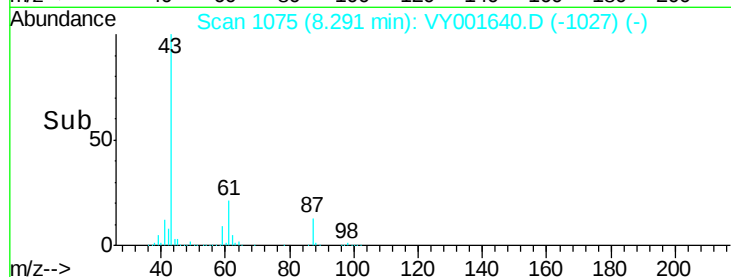
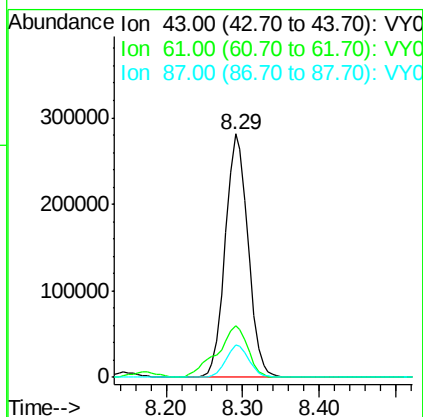
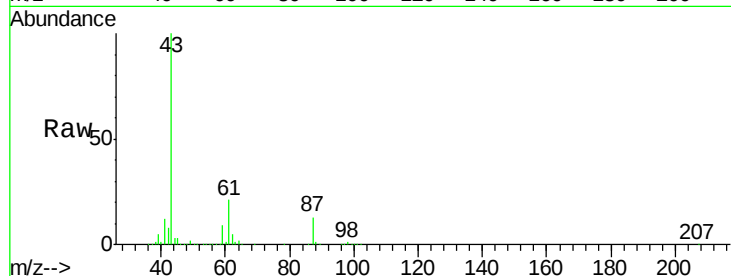
ClientSampleId :

VSTDIC150

Tot Ion:	43	Resp:	576825
Ion	Ratio	Lower	Upper
43	100		
61	28.7	23.0	34.4
87	13.4	10.7	16.1

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2/19/2020 10:50:10 AM



#44

Trichloroethene

Concen: 137.429 ug/l

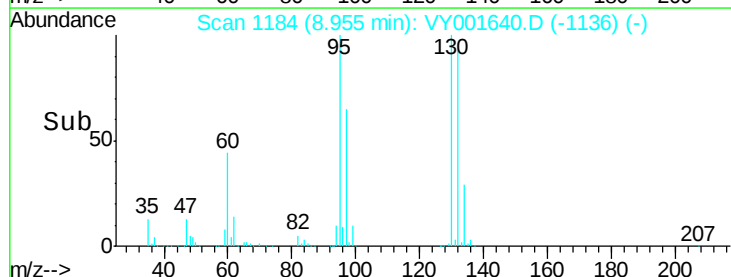
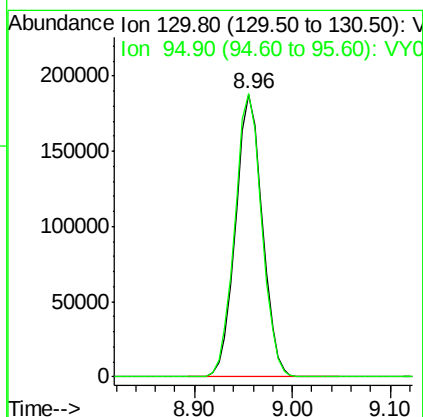
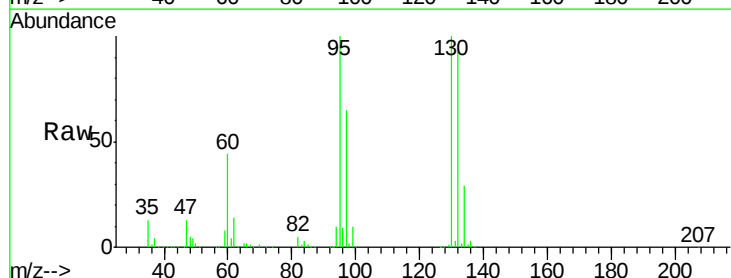
RT: 8.96 min Scan# 1184

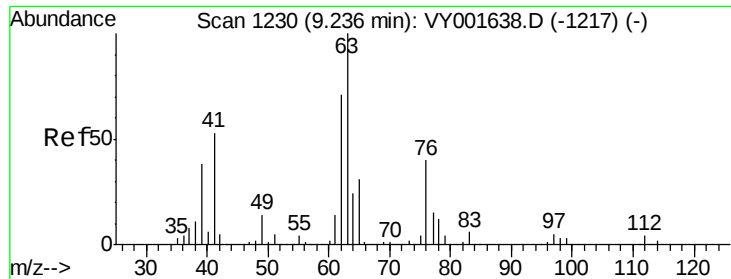
Delta R.T. -0.01 min

Lab File: VY001640.D

Acq: 17 Feb 2020 11:50

Tgt Ion:	130	Resp:	356564
Ion	Ratio	Lower	Upper
130	100		
95	100.3	0.0	200.6





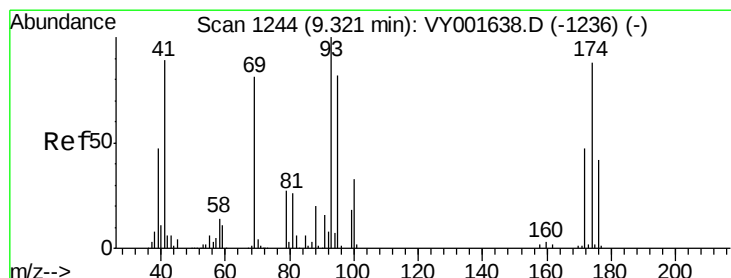
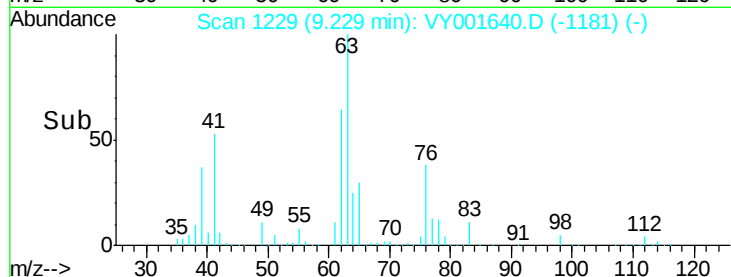
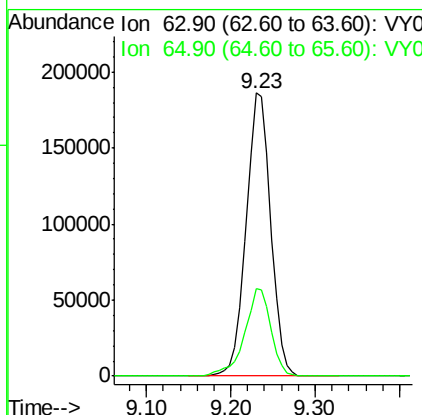
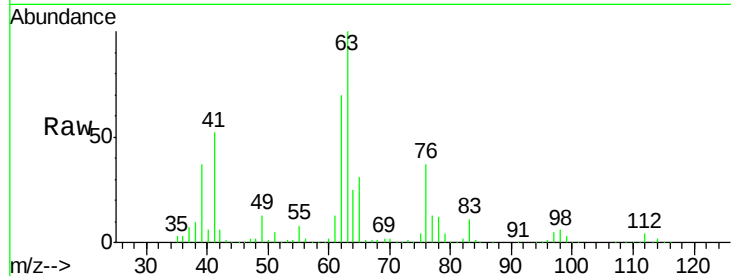
#45
 1,2-Dichloropropane
 Concen: 140.973 ug/l
 RT: 9.23 min Scan# 1229
 Delta R.T. -0.01 min
 Lab File: VY001640.D
 Acq: 17 Feb 2020 11:50

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC150

Tot Ion: 63 Resp: 366943
 Ion Ratio Lower Upper
 63 100
 65 30.8 24.6 37.0

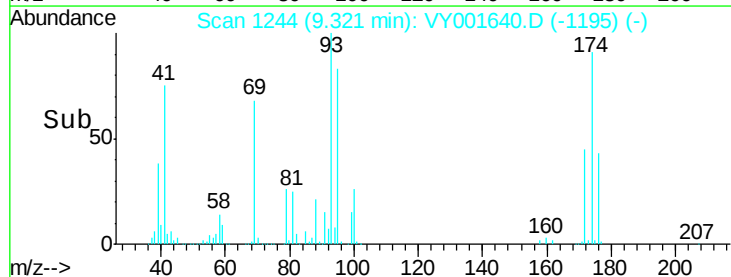
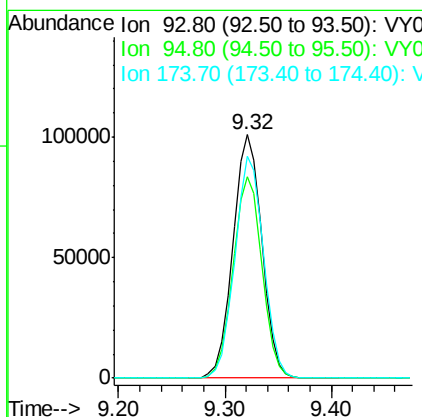
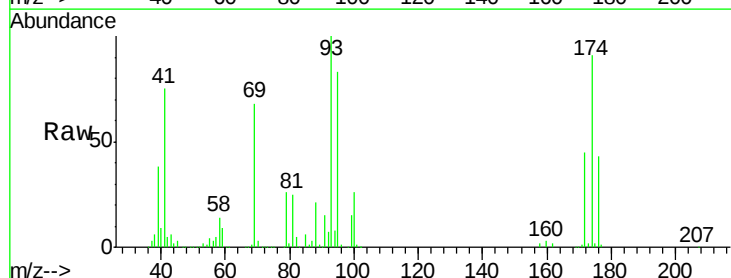
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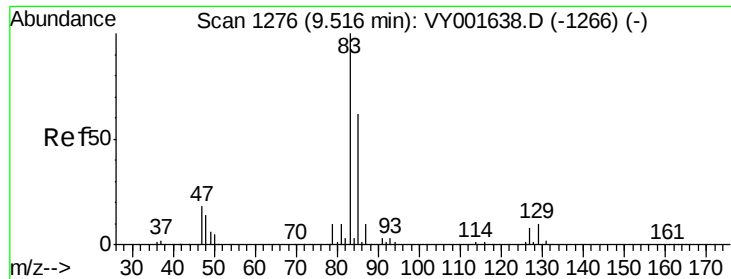
MMDadoda
 2/19/2020 10:50:10 AM



#46
 Dibromomethane
 Concen: 141.564 ug/l
 RT: 9.32 min Scan# 1244
 Delta R.T. -0.00 min
 Lab File: VY001640.D
 Acq: 17 Feb 2020 11:50

Tgt Ion: 93 Resp: 192729
 Ion Ratio Lower Upper
 93 100
 95 82.6 66.1 99.1
 174 90.6 72.5 108.7





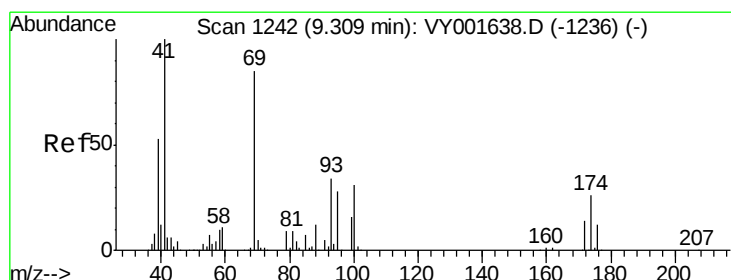
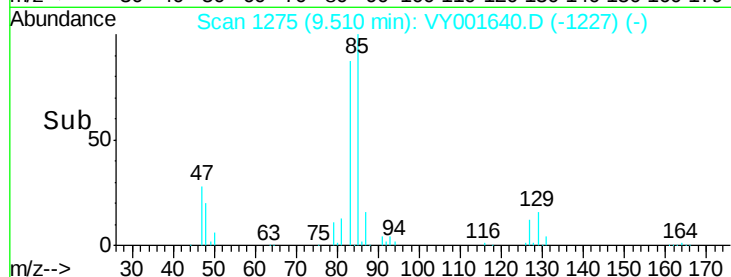
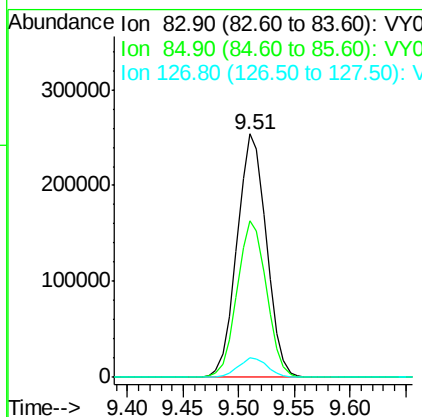
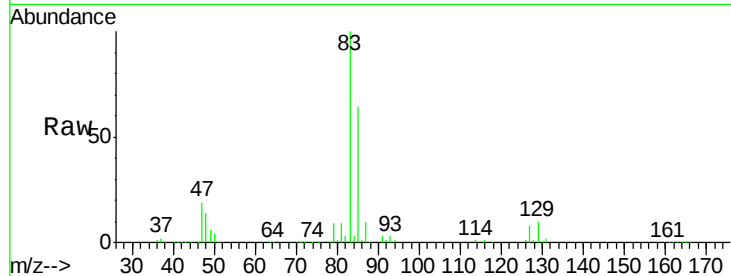
#47
Bromodichloromethane
Concen: 141.307 ug/l
RT: 9.51 min Scan# 1275
Delta R.T. -0.01 min
Lab File: VY001640.D
Acq: 17 Feb 2020 11:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
83	100	464301		
85	64.2	51.4	77.0	
127	8.0	6.4	9.6	

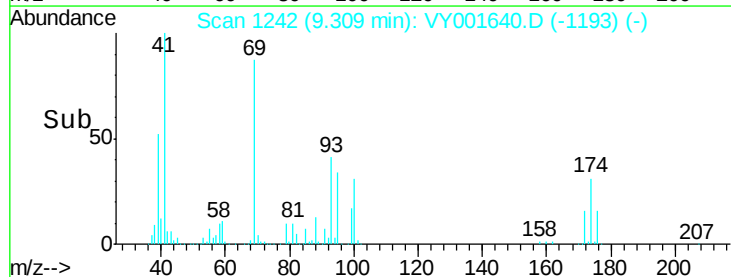
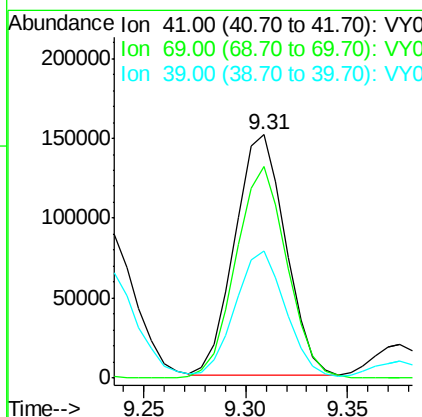
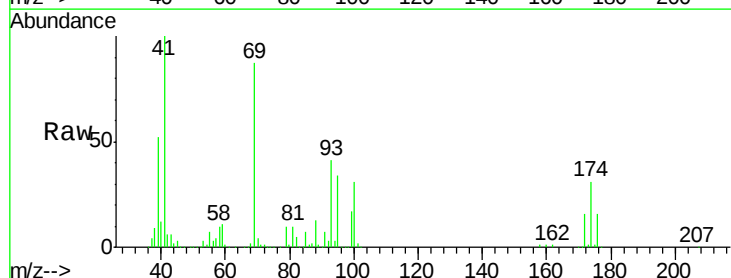
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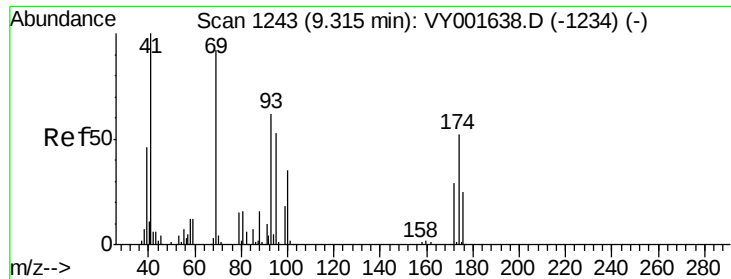
MMDadoda
2/19/2020 10:50:10 AM



#48
Methyl methacrylate
Concen: 144.075 ug/l
RT: 9.31 min Scan# 1242
Delta R.T. -0.00 min
Lab File: VY001640.D
Acq: 17 Feb 2020 11:50

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	260764		
69	88.4	70.7	106.1	
39	52.7	42.2	63.2	





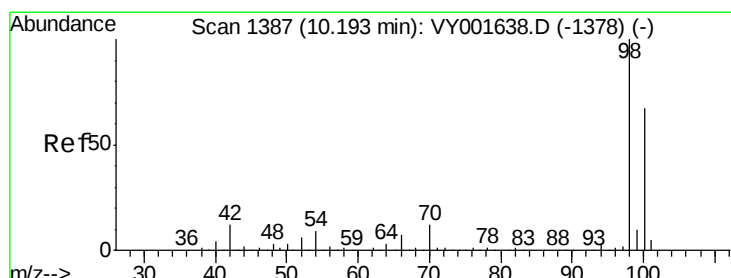
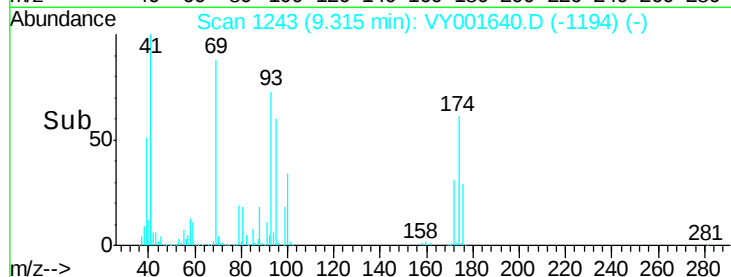
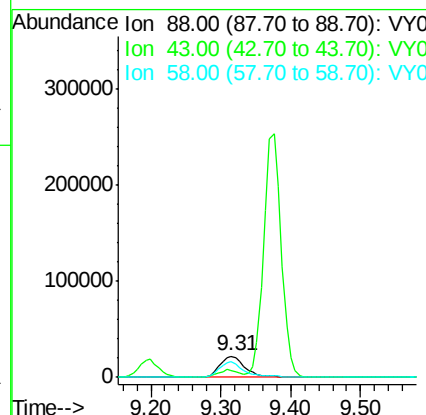
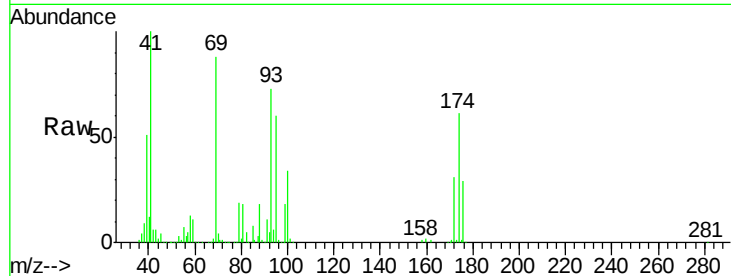
#49
1,4-Dioxane
Concen: 2948.494 ug/l
RT: 9.31 min Scan# 1243
Delta R.T. -0.00 min
Lab File: VY001640.D
Acq: 17 Feb 2020 11:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion	88	Resp	56696
Ion	Ratio	Lower	Upper
88	100		
43	28.9	23.1	34.7
58	72.6	58.1	87.1

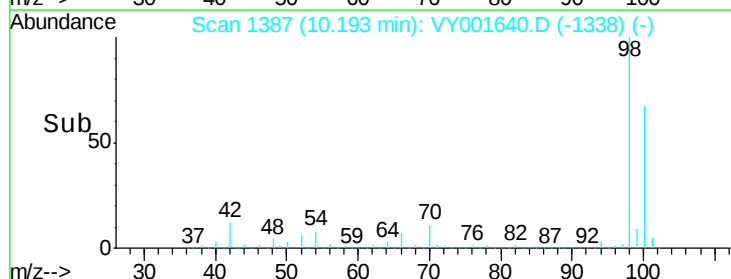
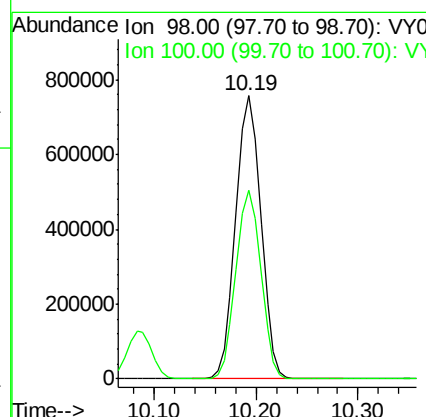
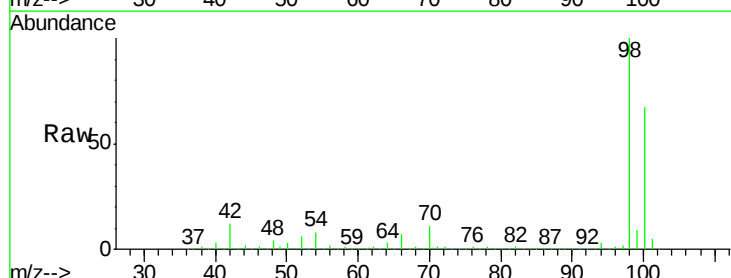
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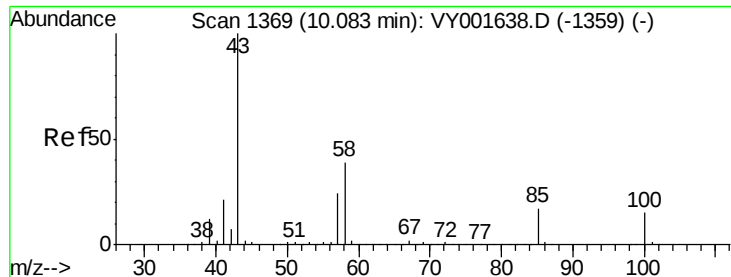
MMDadoda
2/19/2020 10:50:10 AM



#50
Toluene-d8
Concen: 156.353 ug/l
RT: 10.19 min Scan# 1387
Delta R.T. -0.00 min
Lab File: VY001640.D
Acq: 17 Feb 2020 11:50

Tgt Ion	98	Resp	1297991
Ion	Ratio	Lower	Upper
98	100		
100	66.2	53.0	79.4





#51

4-Methyl-2-Pentanone

Concen: 711.635 ug/l

RT: 10.08 min Scan# 1369

Delta R.T. -0.00 min

Lab File: VY001640.D

Acq: 17 Feb 2020 11:50

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 1463237

Ion Ratio Lower Upper

43 100

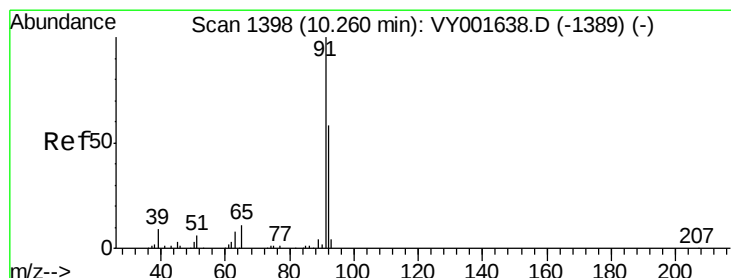
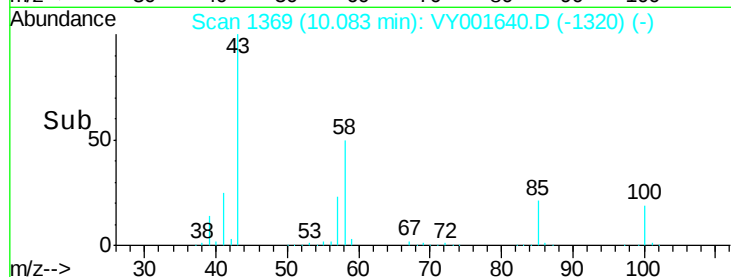
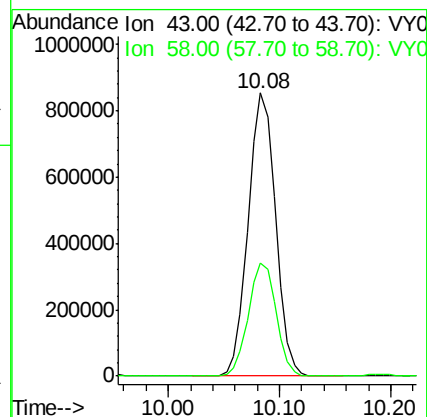
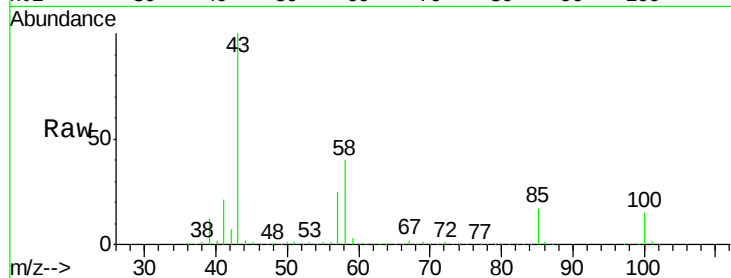
58 40.3 32.2 48.4

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MMDadoda

2/19/2020 10:50:10 AM



#52

Toluene

Concen: 139.614 ug/l

RT: 10.25 min Scan# 1397

Delta R.T. -0.01 min

Lab File: VY001640.D

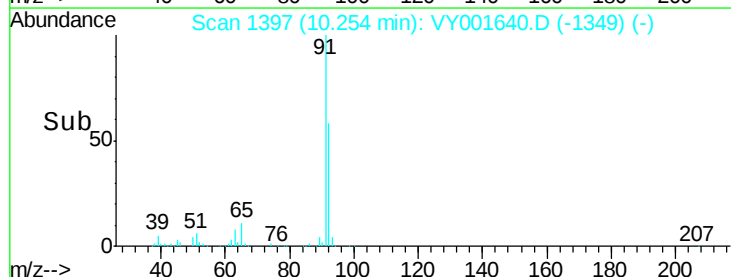
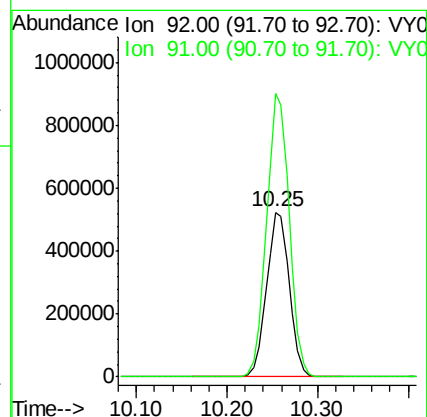
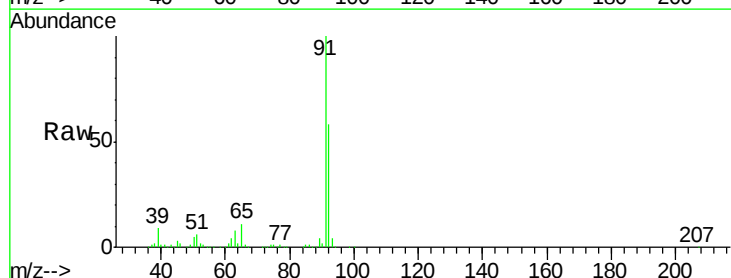
Acq: 17 Feb 2020 11:50

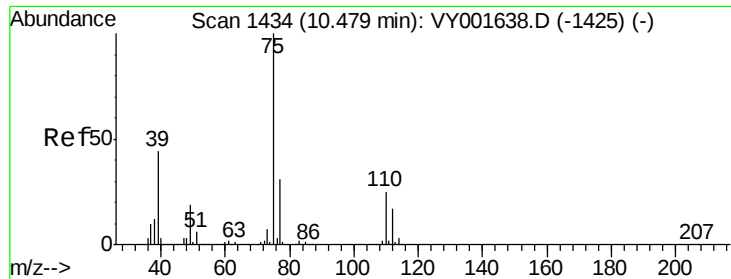
Tgt Ion: 92 Resp: 905138

Ion Ratio Lower Upper

92 100

91 171.3 137.0 205.6





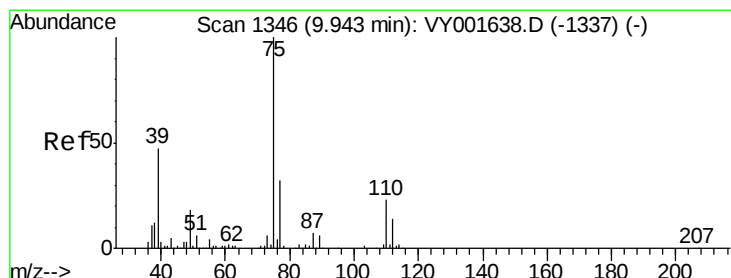
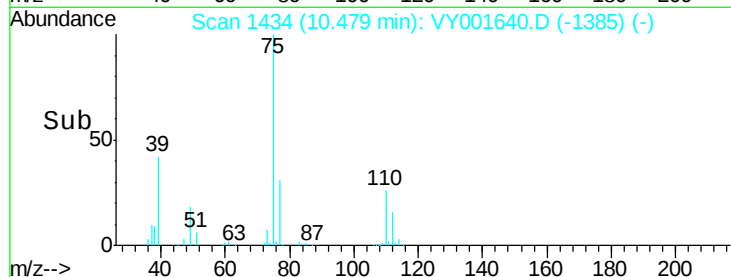
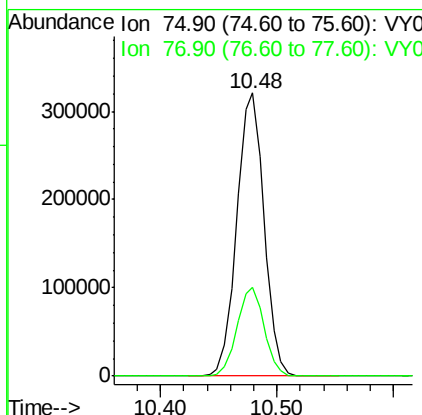
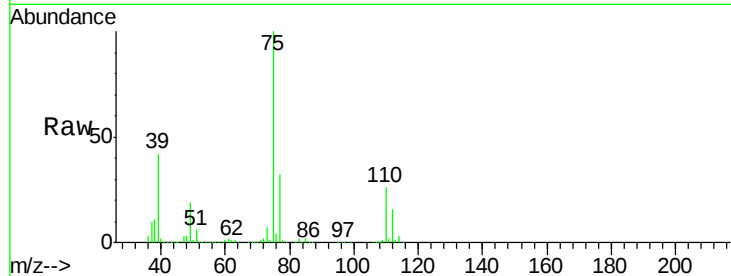
#53
t-1,3-Dichloropropene
Concen: 144.024 ug/l
RT: 10.48 min Scan# 1434
Delta R.T. -0.00 min
Lab File: VY001640.D
Acq: 17 Feb 2020 11:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion: 75 Resp: 523158
Ion Ratio Lower Upper
75 100
77 31.5 25.2 37.8

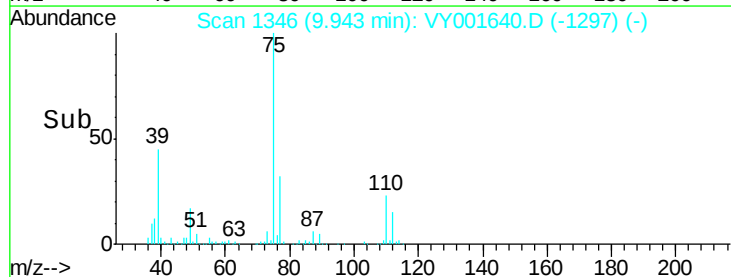
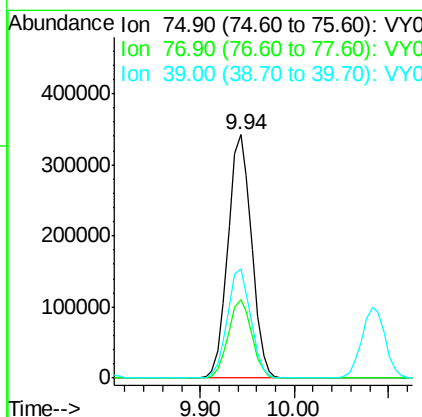
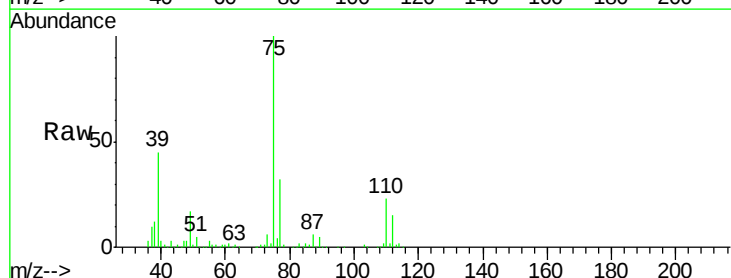
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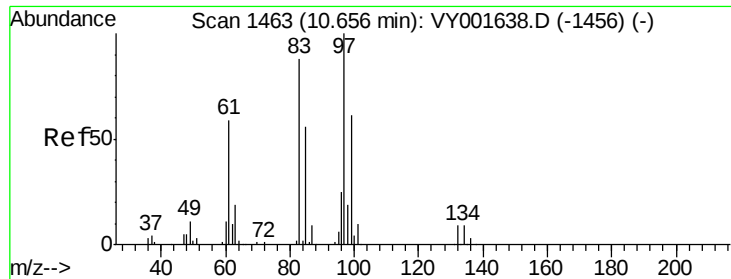
MMDadoda
2/19/2020 10:50:10 AM



#54
cis-1,3-Dichloropropene
Concen: 142.278 ug/l
RT: 9.94 min Scan# 1346
Delta R.T. -0.00 min
Lab File: VY001640.D
Acq: 17 Feb 2020 11:50

Tgt Ion: 75 Resp: 594824
Ion Ratio Lower Upper
75 100
77 32.1 25.7 38.5
39 44.6 35.7 53.5





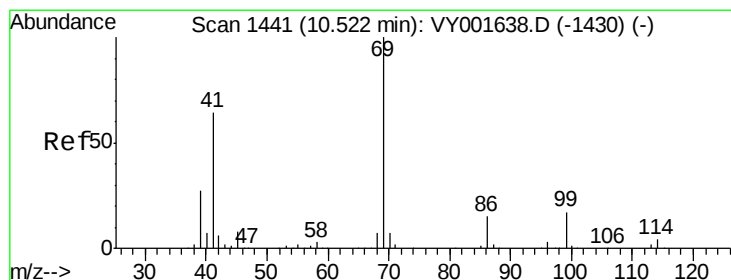
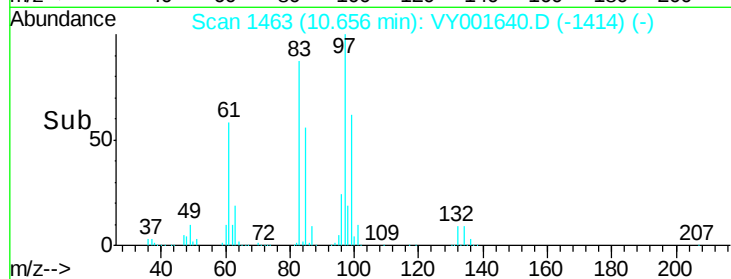
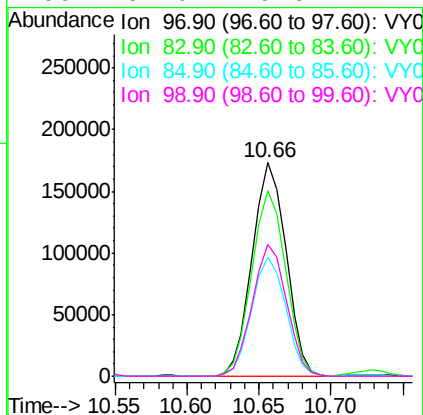
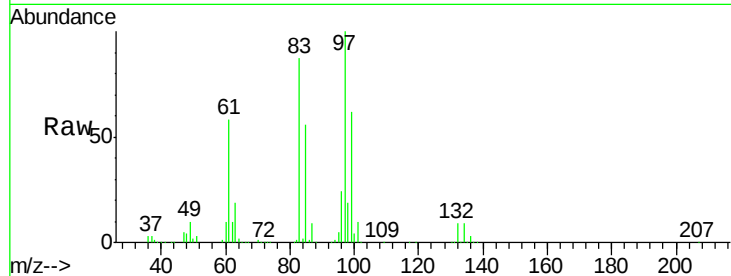
#55
 1,1,2-Trichloroethane
 Concen: 141.532 ug/l
 RT: 10.66 min Scan# 1463
 Delta R.T. -0.00 min
 Lab File: VY001640.D
 Acq: 17 Feb 2020 11:50

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC150

Tot Ion:	97	Resp:	284122
Ion	Ratio	Lower	Upper
97	100		
83	87.1	69.7	104.5
85	55.6	44.5	66.7
99	62.0	49.6	74.4

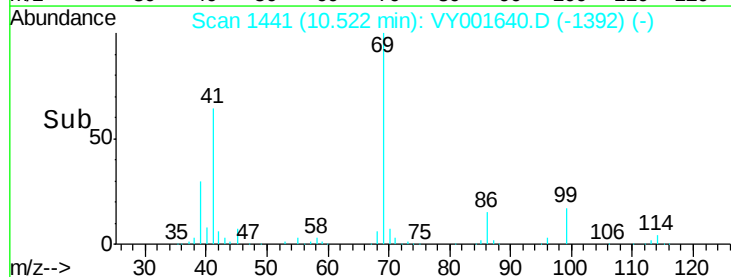
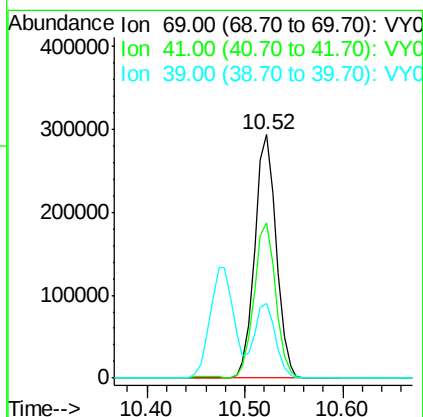
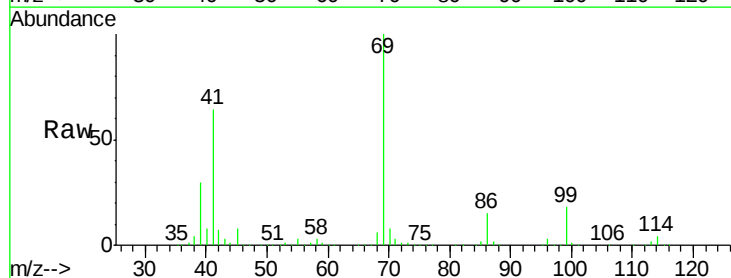
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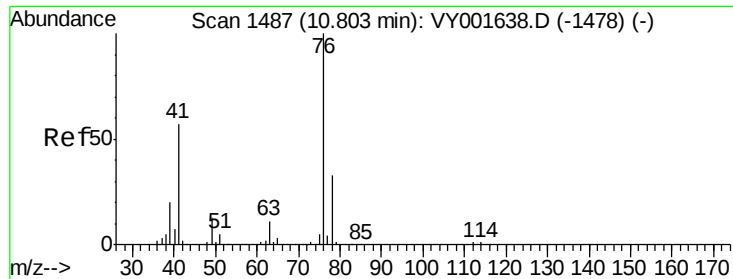
MMDadoda
 2/19/2020 10:50:10 AM



#56
 Ethyl methacrylate
 Concen: 148.562 ug/l
 RT: 10.52 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: VY001640.D
 Acq: 17 Feb 2020 11:50

Tgt Ion:	69	Resp:	447406
Ion	Ratio	Lower	Upper
69	100		
41	63.7	51.0	76.4
39	30.9	24.7	37.1





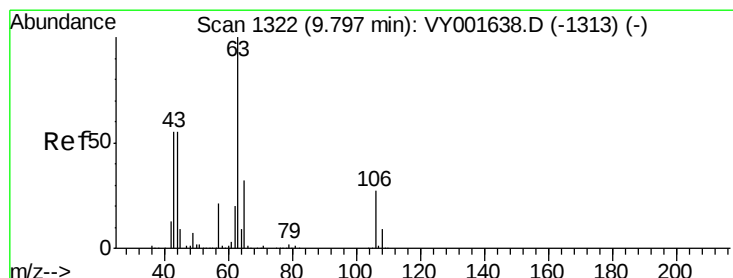
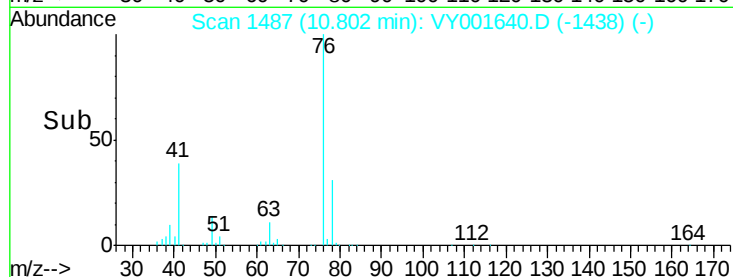
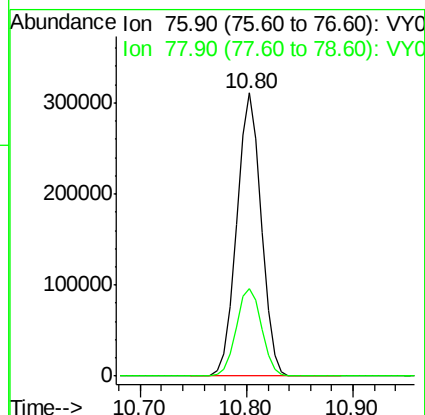
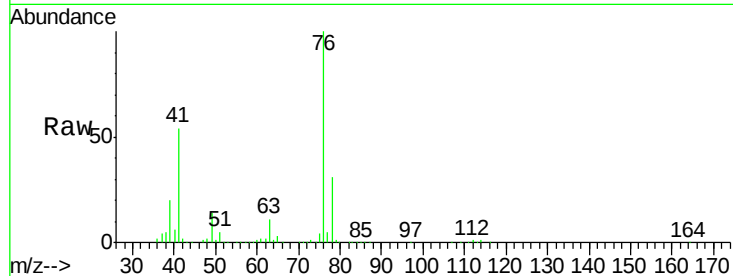
#57
 1,3-Dichloropropane
 Concen: 140.646 ug/l
 RT: 10.80 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VY001640.D
 Acq: 17 Feb 2020 11:50

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC150

Tot Ion: 76 Resp: 501673
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.7 38.5

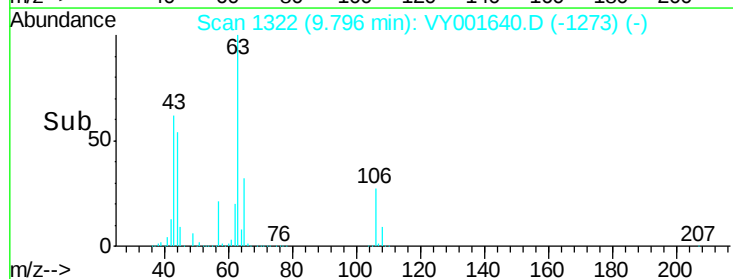
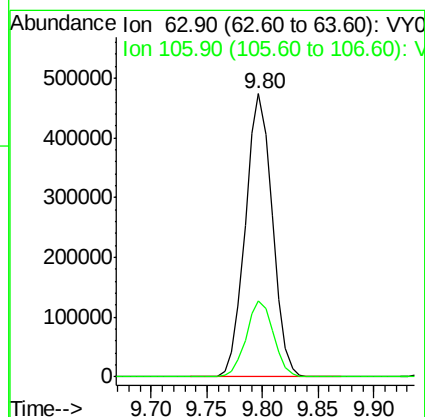
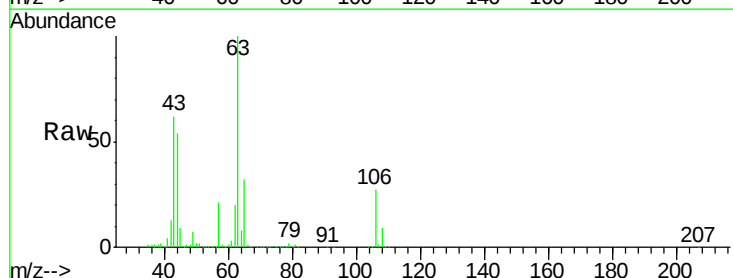
Manual Integrations
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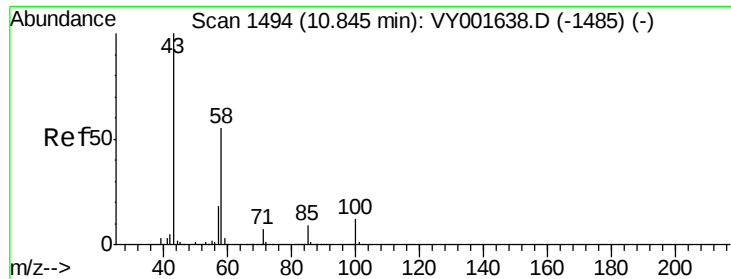
MMDadoda
 2/19/2020 10:50:10 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 633.667 ug/l
 RT: 9.80 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VY001640.D
 Acq: 17 Feb 2020 11:50

Tgt Ion: 63 Resp: 796920
 Ion Ratio Lower Upper
 63 100
 106 27.0 21.6 32.4





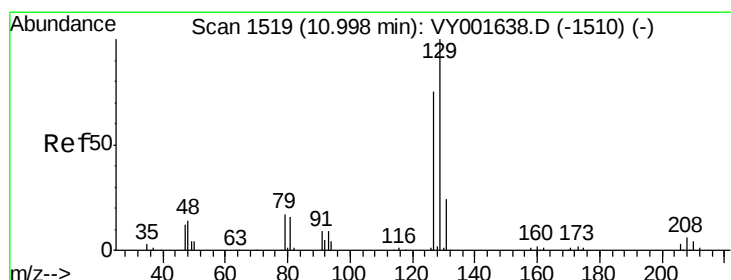
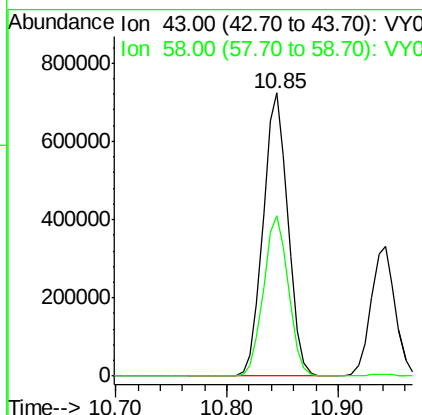
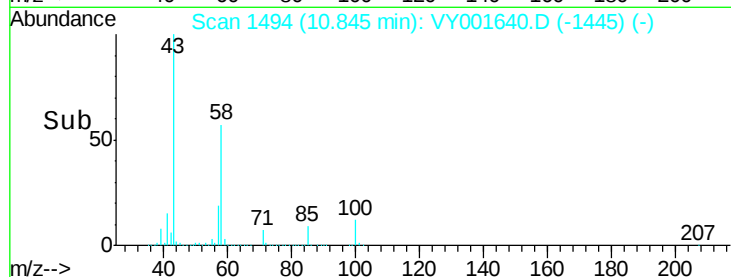
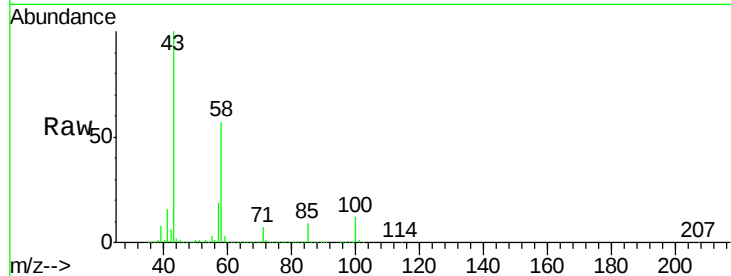
#59
2-Hexanone
Concen: 730.319 ug/l
RT: 10.85 min Scan# 1494
Delta R.T. -0.00 min
Lab File: VY001640.D
Acq: 17 Feb 2020 11:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 1126715
Ion Ratio Lower Upper
43 100
58 56.8 28.4 85.2

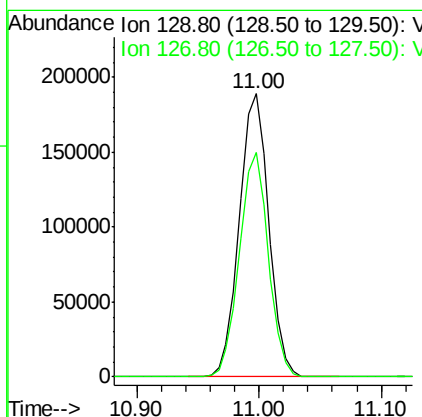
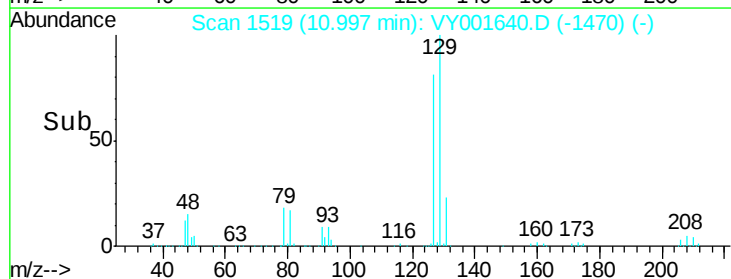
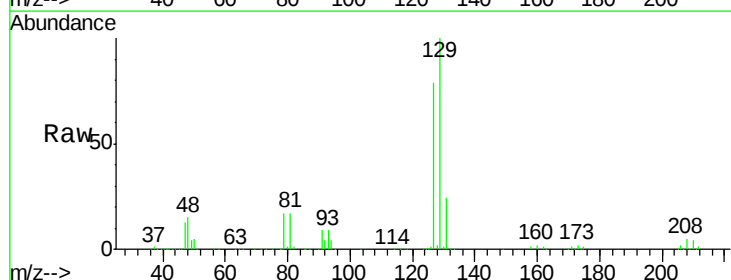
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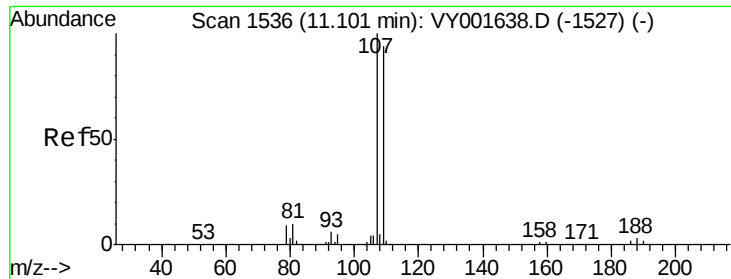
MMDadoda
2/19/2020 10:50:10 AM



#60
Dibromochloromethane
Concen: 142.696 ug/l
RT: 11.00 min Scan# 1519
Delta R.T. -0.00 min
Lab File: VY001640.D
Acq: 17 Feb 2020 11:50

Tgt Ion: 129 Resp: 315824
Ion Ratio Lower Upper
129 100
127 77.7 38.9 116.6





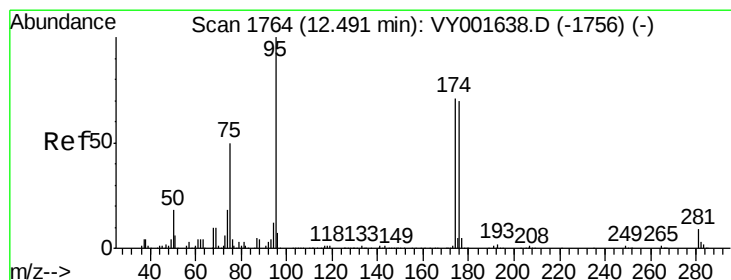
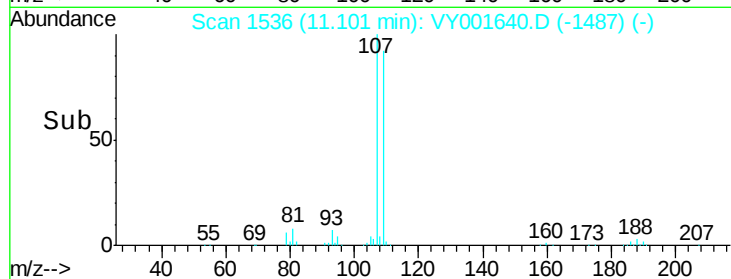
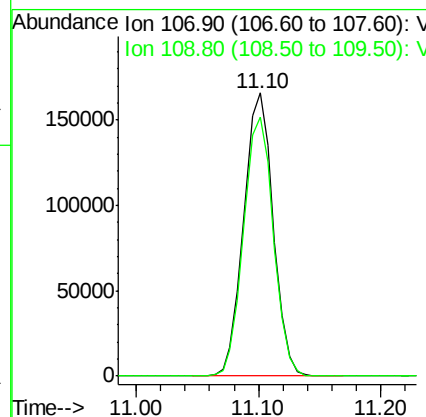
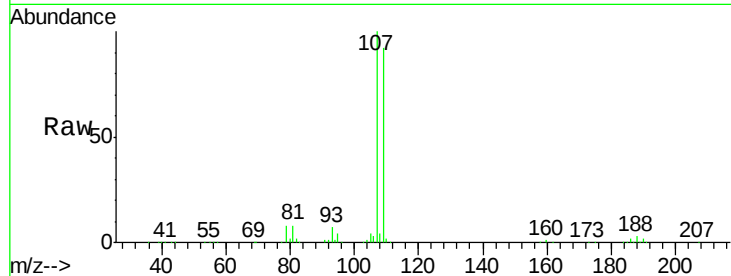
#61
 1,2-Dibromoethane
 Concen: 145.651 ug/l
 RT: 11.10 min Scan# 1536
 Delta R.T. -0.00 min
 Lab File: VY001640.D
 Acq: 17 Feb 2020 11:50

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
107	100	276465		
109	92.8	74.2	111.4	

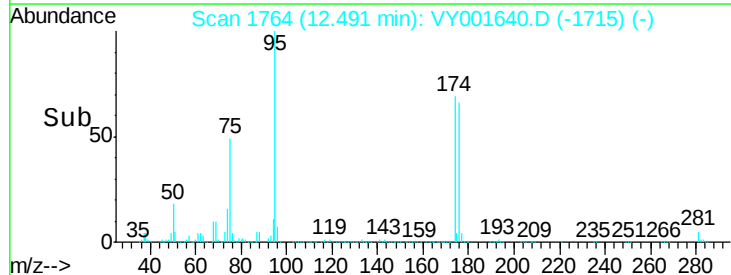
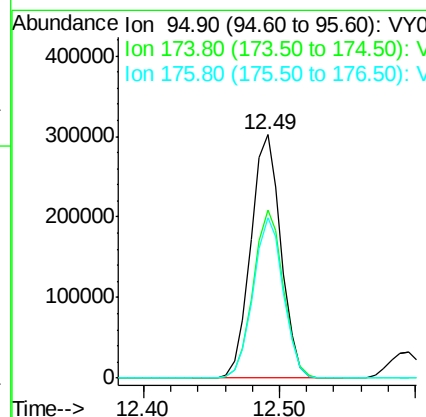
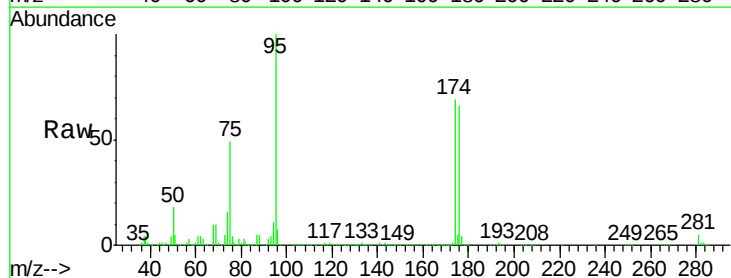
Manual Integrations
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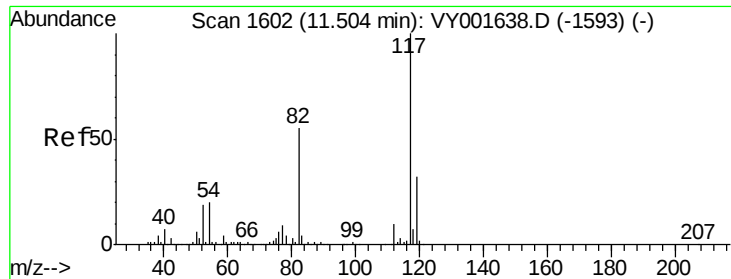
MMDadoda
 2/19/2020 10:50:10 AM



#62
 4-Bromofluorobenzene
 Concen: 145.170 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. -0.00 min
 Lab File: VY001640.D
 Acq: 17 Feb 2020 11:50

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	468191		
174	69.2	0.0	138.4	
176	65.9	0.0	131.8	





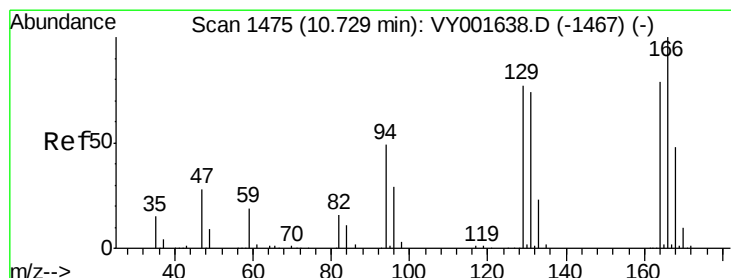
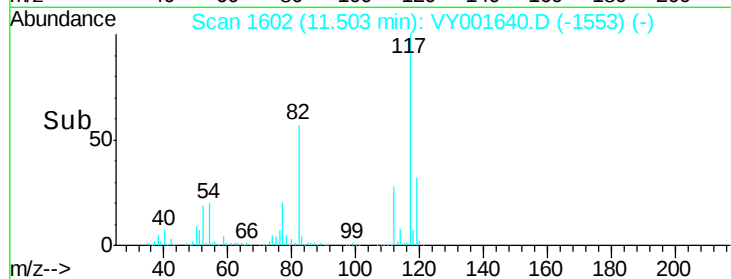
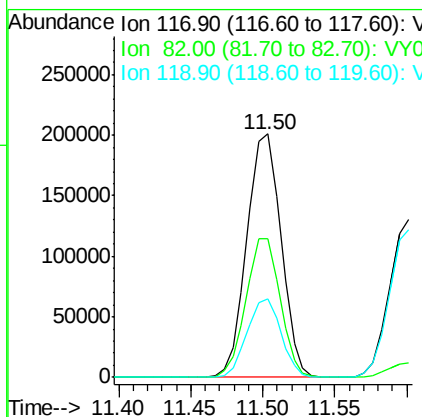
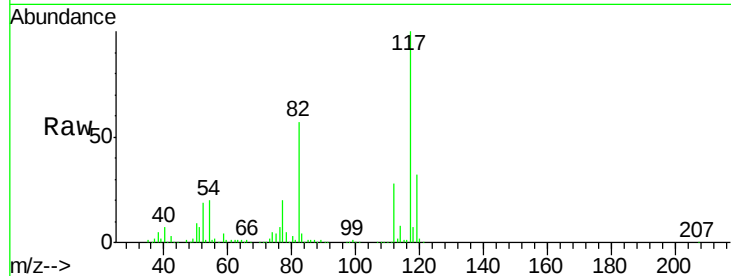
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. -0.00 min
Lab File: VY001640.D
Acq: 17 Feb 2020 11:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tot Ion	Ratio	Resp	Lower	Upper
117	100	331206		
82	56.9		45.5	68.3
119	32.2		25.8	38.6

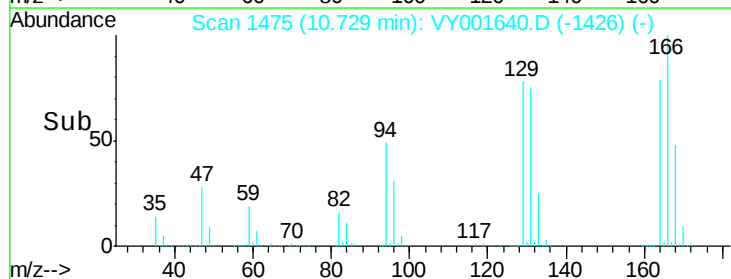
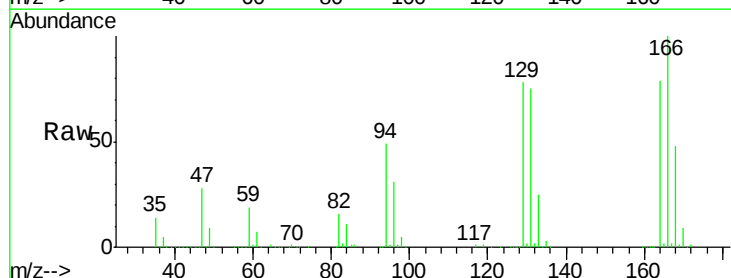
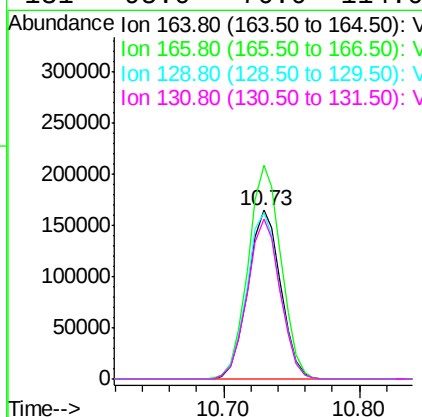
Manual Integrations
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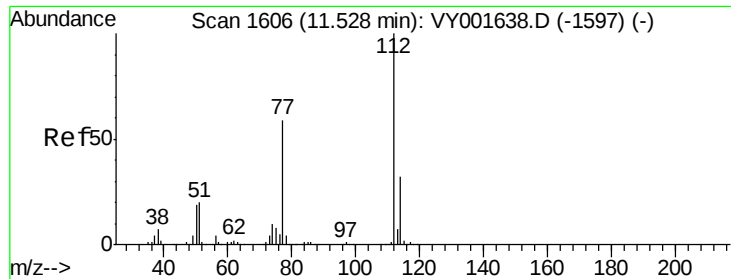
MMDadoda
2/19/2020 10:50:10 AM



#64
Tetrachloroethene
Concen: 133.641 ug/l
RT: 10.73 min Scan# 1475
Delta R.T. -0.00 min
Lab File: VY001640.D
Acq: 17 Feb 2020 11:50

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	277862		
166	126.7		101.4	152.0
129	98.4		78.7	118.1
131	95.0		76.0	114.0





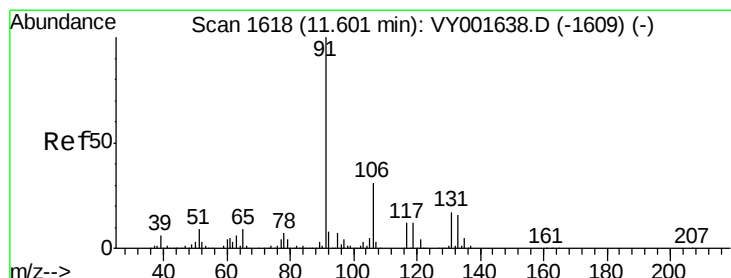
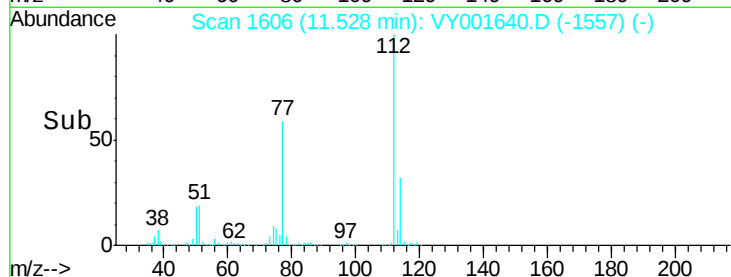
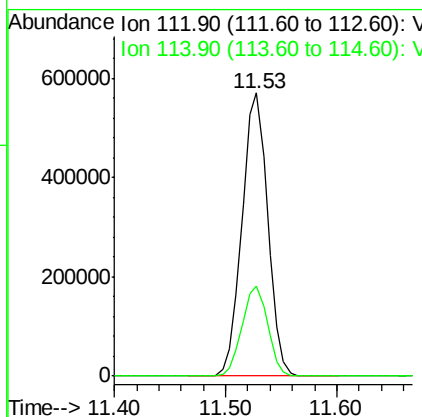
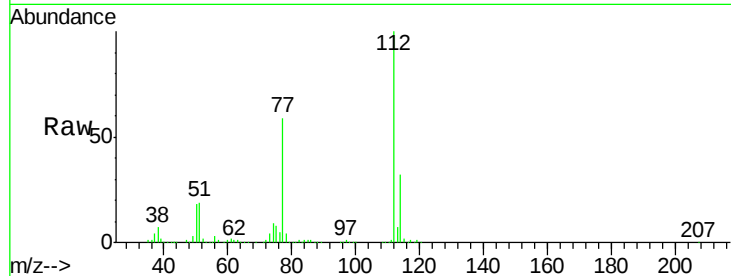
#65
Chlorobenzene
Concen: 138.194 ug/l
RT: 11.53 min Scan# 1606
Delta R.T. -0.00 min
Lab File: VY001640.D
Acq: 17 Feb 2020 11:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion:112 Resp: 913804
Ion Ratio Lower Upper
112 100
114 31.8 25.4 38.2

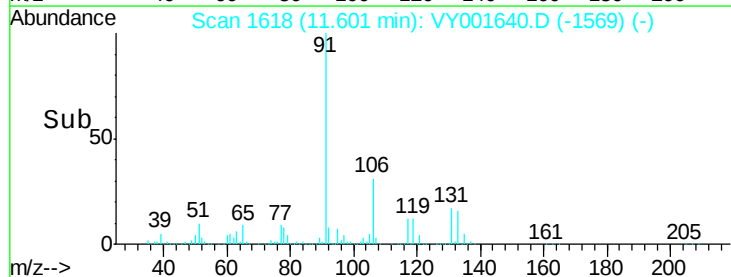
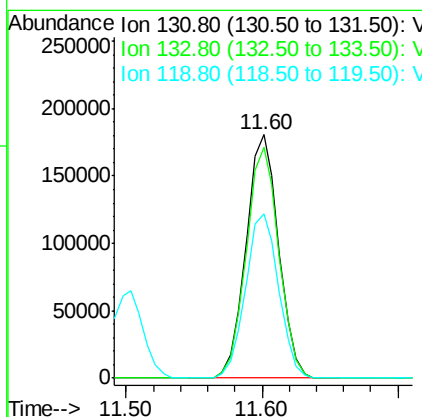
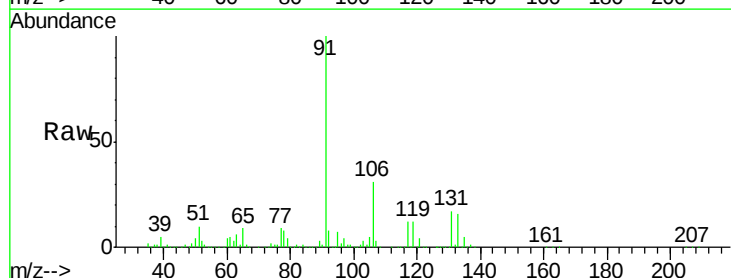
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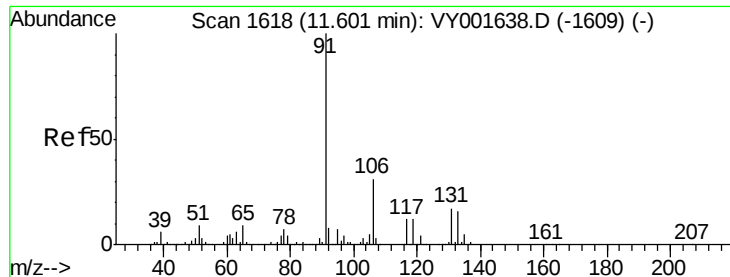
MMDadoda
2/19/2020 10:50:10 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 135.473 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VY001640.D
Acq: 17 Feb 2020 11:50

Tgt Ion:131 Resp: 302185
Ion Ratio Lower Upper
131 100
133 94.8 47.4 142.2
119 68.7 34.4 103.1





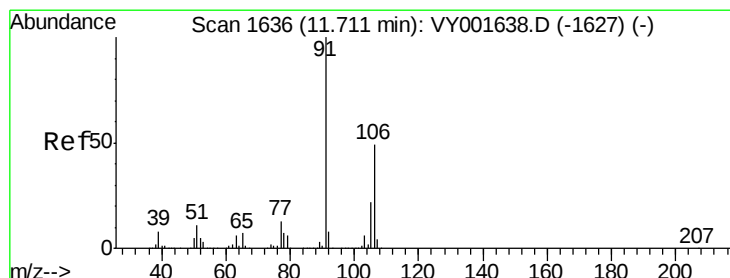
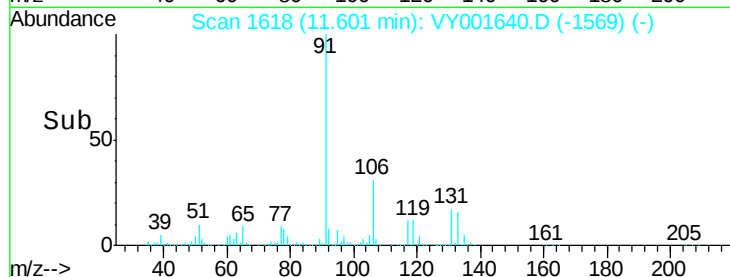
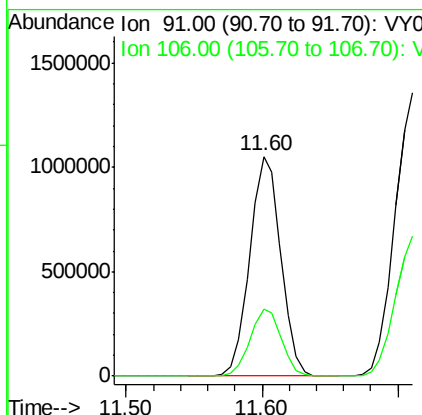
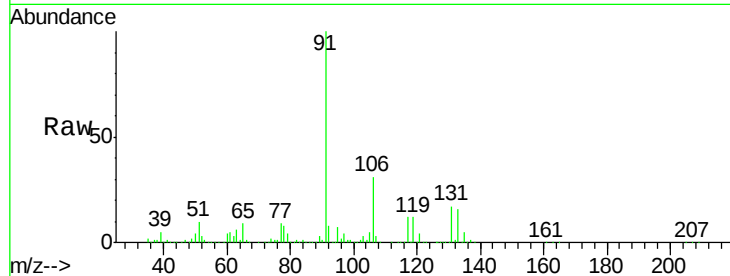
#67
Ethyl Benzene
Concen: 136.741 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VY001640.D
Acq: 17 Feb 2020 11:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 1677972
Ion Ratio Lower Upper
91 100
106 30.6 24.5 36.7

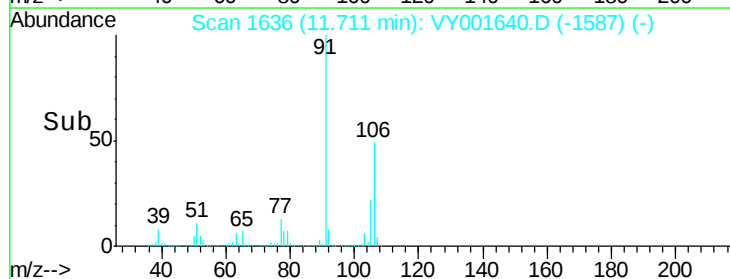
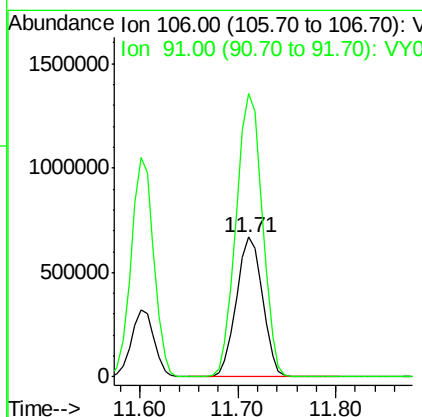
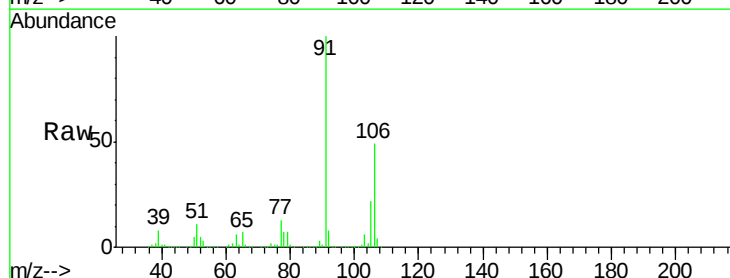
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2/19/2020 10:50:10 AM



#68
m/p-Xylenes
Concen: 270.753 ug/l
RT: 11.71 min Scan# 1636
Delta R.T. -0.00 min
Lab File: VY001640.D
Acq: 17 Feb 2020 11:50

Tgt Ion: 106 Resp: 1241092
Ion Ratio Lower Upper
106 100
91 204.1 163.3 244.9





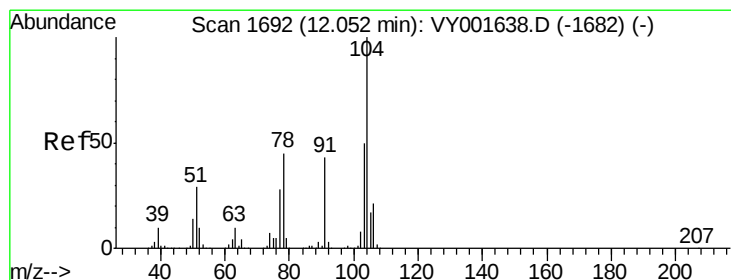
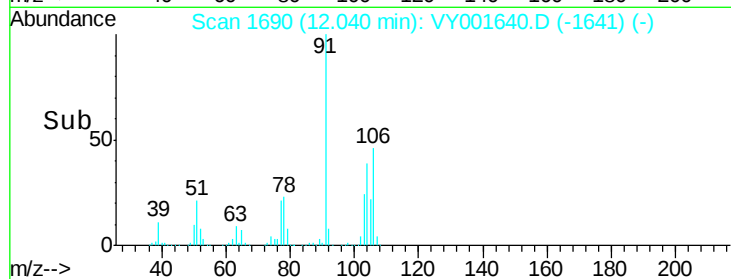
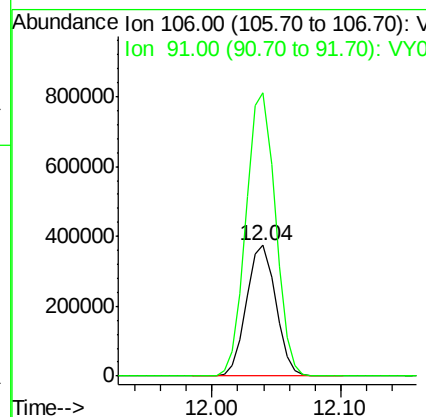
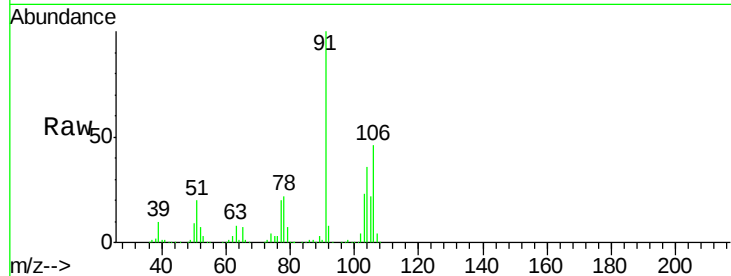
#69
o-Xylene
Concen: 135.460 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VY001640.D
Acq: 17 Feb 2020 11:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		590315		
91	216.6	108.3	324.9		

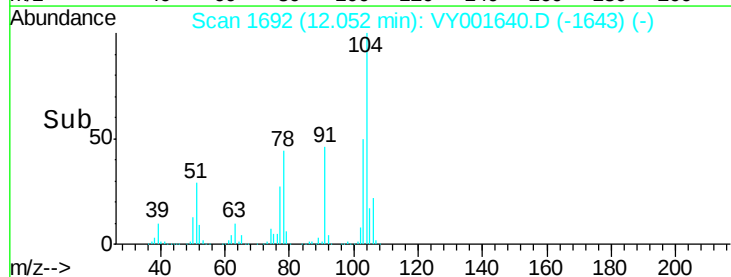
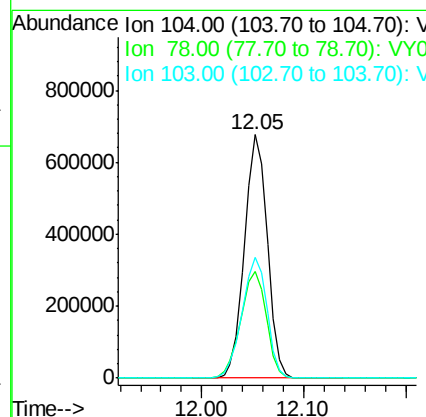
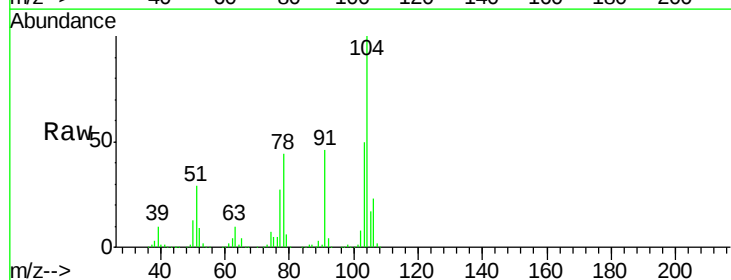
Manual Integrations
APPROVED

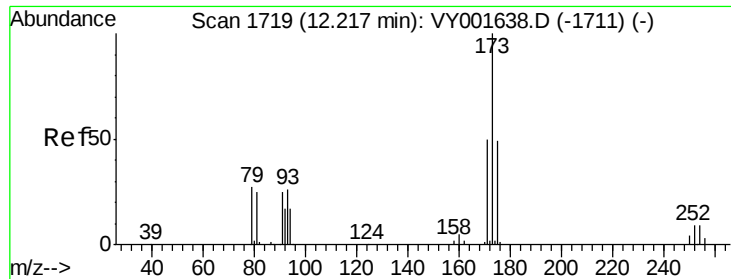
MMDadoda
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#70
Styrene
Concen: 138.573 ug/l
RT: 12.05 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VY001640.D
Acq: 17 Feb 2020 11:50

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		1049500		
78	49.0	39.2	58.8		
103	53.8	43.0	64.6		





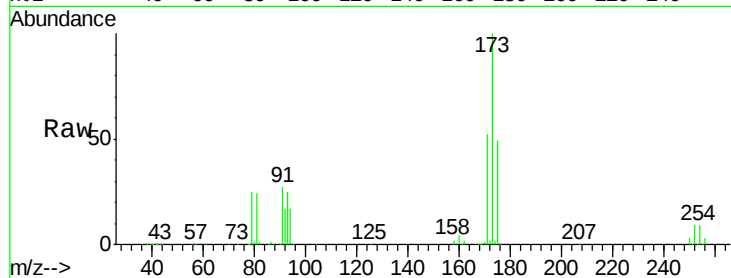
#71
Bromoform
Concen: 146.013 ug/l
RT: 12.22 min Scan# 1719
Delta R.T. -0.00 min
Lab File: VY001640.D
Acq: 17 Feb 2020 11:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.3	73.0
254	0.1	0.1	0.1

Manual Integrations
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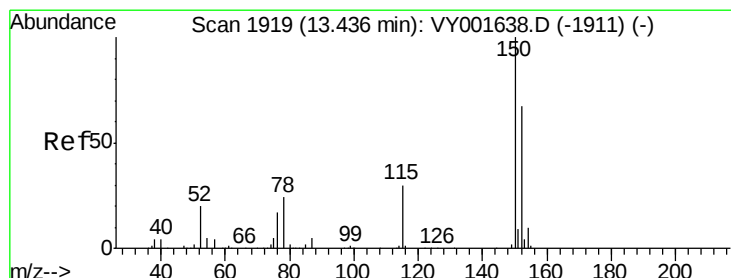
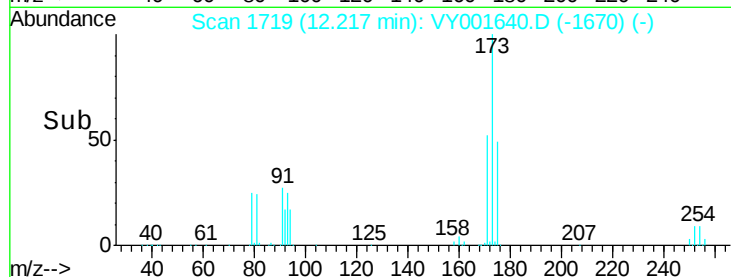
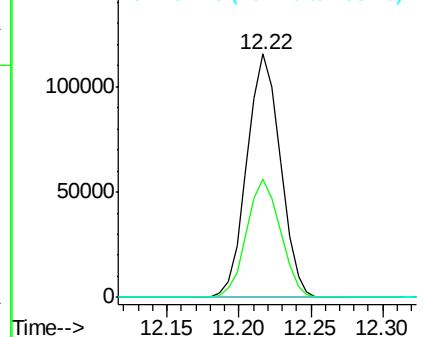


Abundance

Ion 172.70 (172.40 to 173.40): V

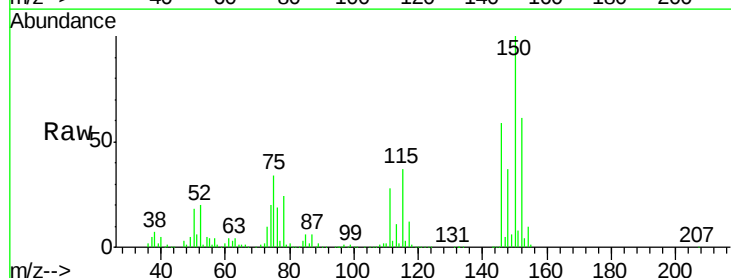
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1919
Delta R.T. -0.00 min
Lab File: VY001640.D
Acq: 17 Feb 2020 11:50

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.8	31.4	94.2
150	203.6	0.0	407.2

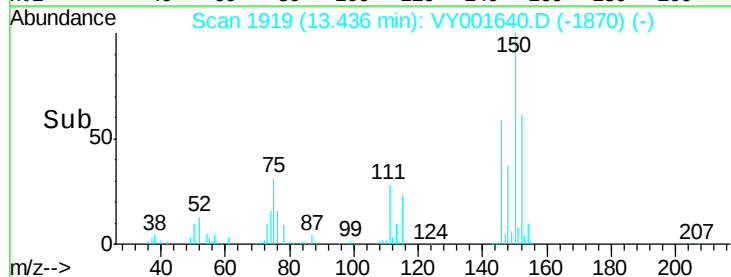
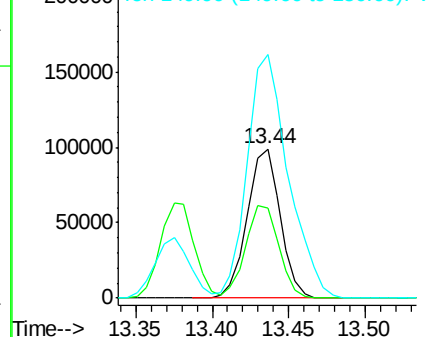


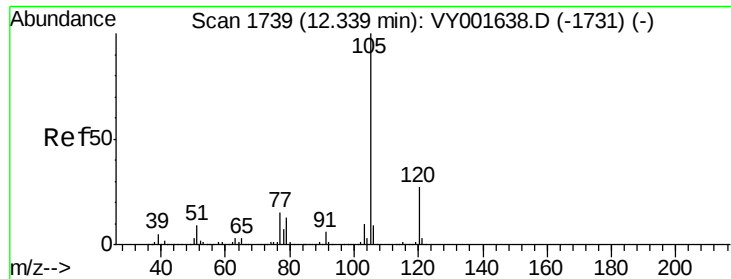
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





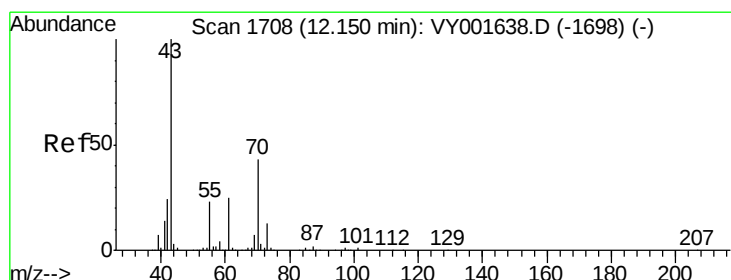
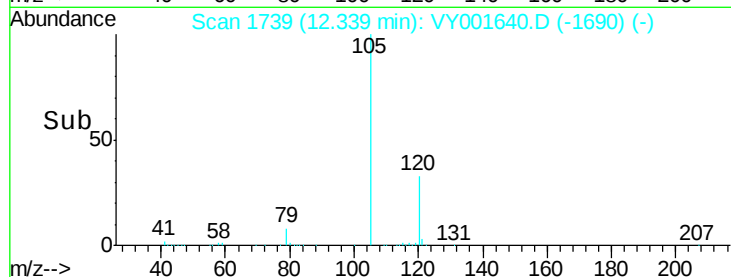
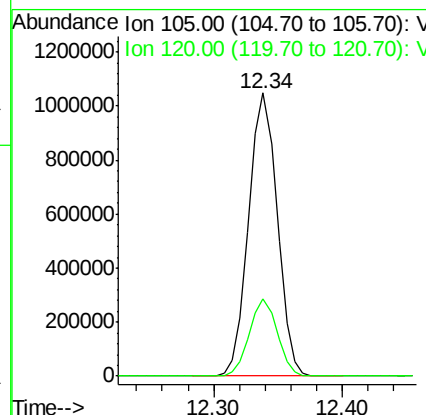
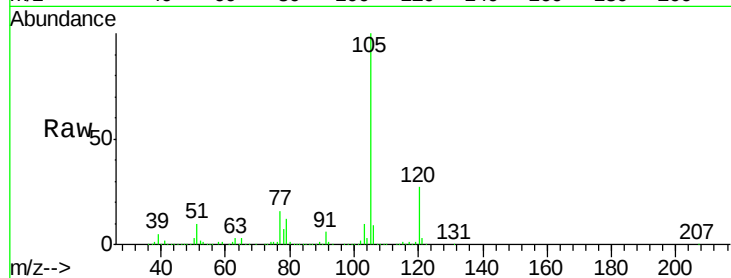
#73
Isopropylbenzene
Concen: 142.111 ug/l
RT: 12.34 min Scan# 1739
Delta R.T. -0.00 min
Lab File: VY001640.D
Acq: 17 Feb 2020 11:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion:105 Resp: 1603663
Ion Ratio Lower Upper
105 100
120 26.7 13.4 40.1

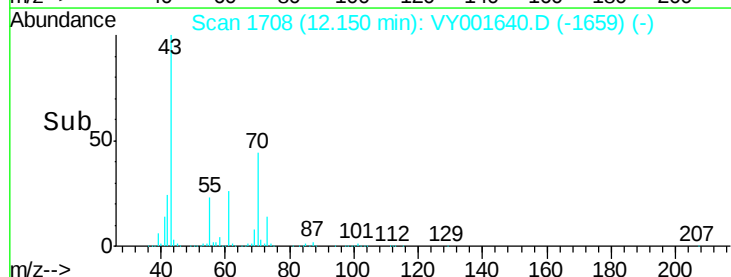
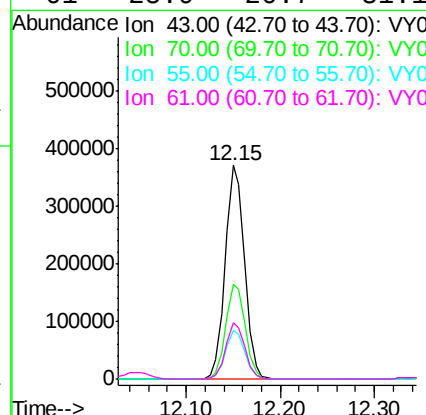
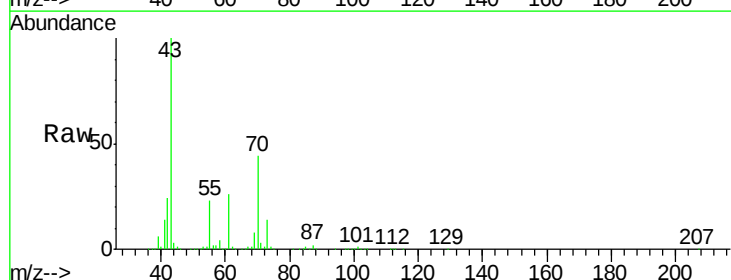
Manual Integrations
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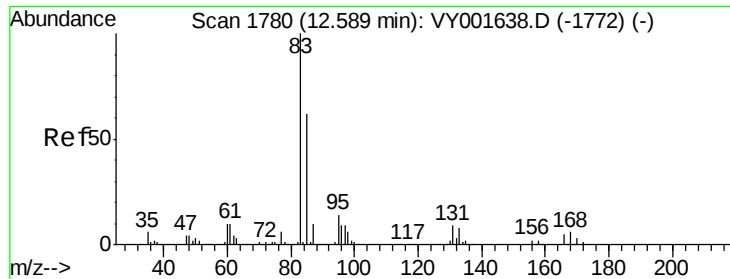
MMDadoda
2/19/2020 10:50:10 AM



#74
N-ethyl acetate
Concen: 145.884 ug/l
RT: 12.15 min Scan# 1708
Delta R.T. -0.00 min
Lab File: VY001640.D
Acq: 17 Feb 2020 11:50

Tgt Ion: 43 Resp: 525383
Ion Ratio Lower Upper
43 100
70 44.9 35.9 53.9
55 22.9 18.3 27.5
61 25.9 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 148.822 ug/l

RT: 12.59 min Scan# 1781

Delta R.T. 0.01 min

Lab File: VY001640.D

Acq: 17 Feb 2020 11:50

Instrument :

MSVOA_Y

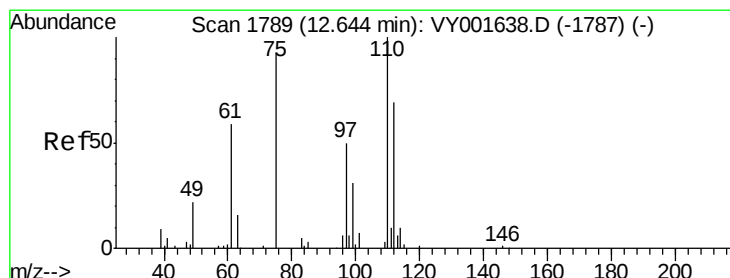
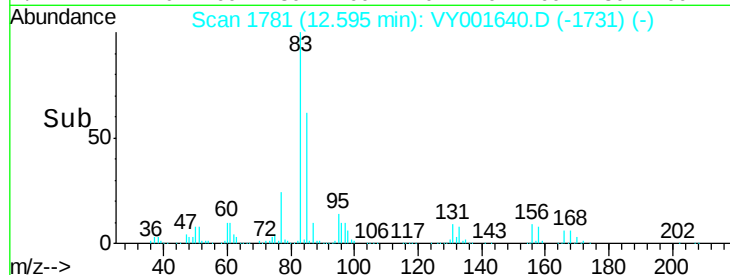
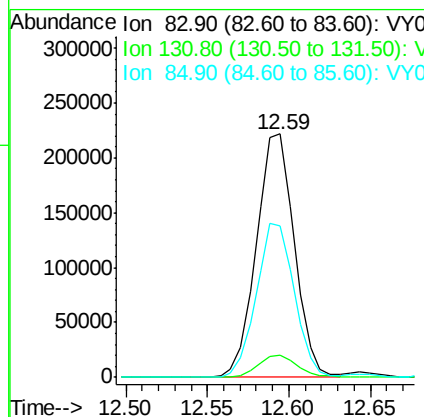
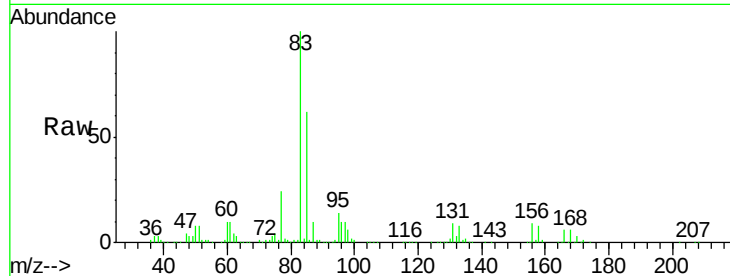
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	358584
Ion Ratio	Lower	Upper	
83	100		
131	9.4	4.7	14.1
85	63.1	31.6	94.7

Manual Integrations
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2/19/2020 10:50:10 AM



#76

1,2,3-Trichloropropane

Concen: 73.019 ug/l m

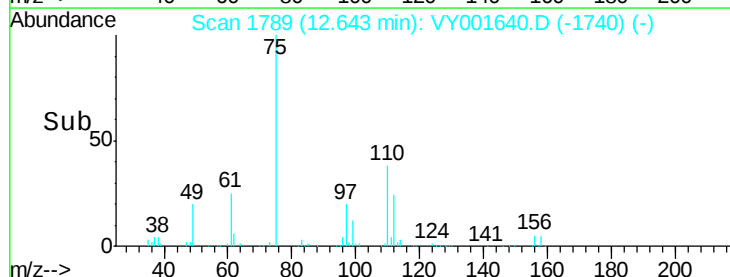
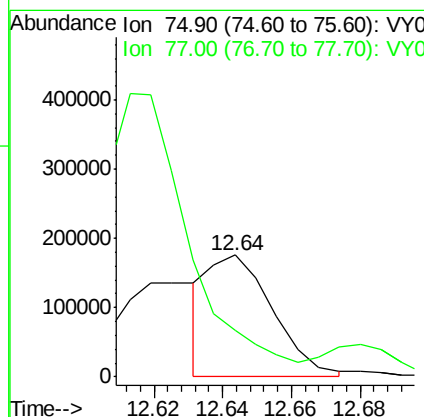
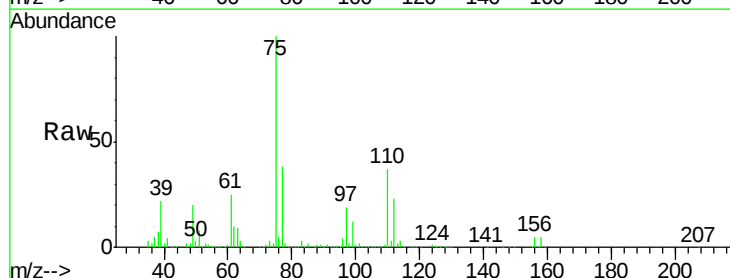
RT: 12.64 min Scan# 1789

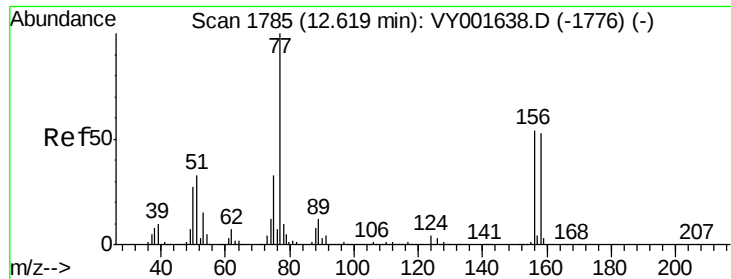
Delta R.T. -0.00 min

Lab File: VY001640.D

Acq: 17 Feb 2020 11:50

Tgt Ion:	75	Resp:	230215
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 139.364 ug/l

RT: 12.62 min Scan# 1785

Delta R.T. -0.00 min

Lab File: VY001640.D

Acq: 17 Feb 2020 11:50

Instrument :

MSVOA_Y

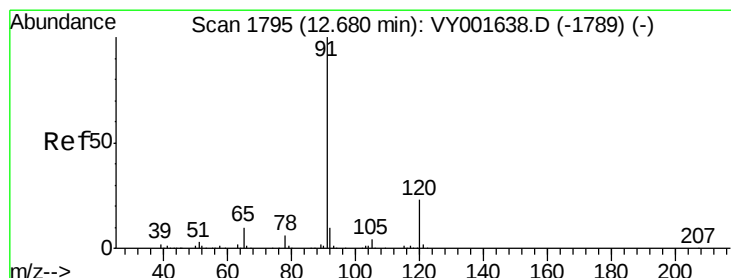
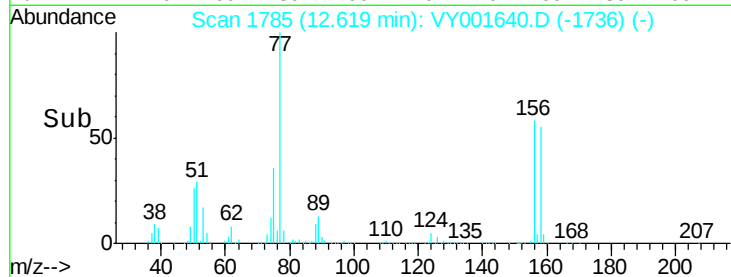
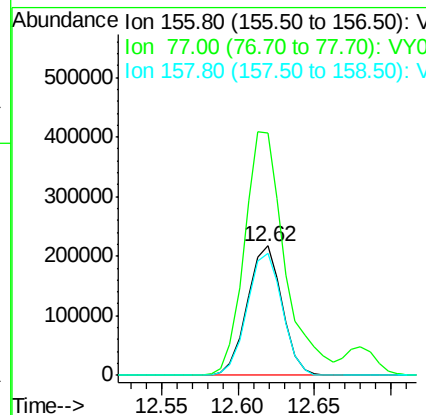
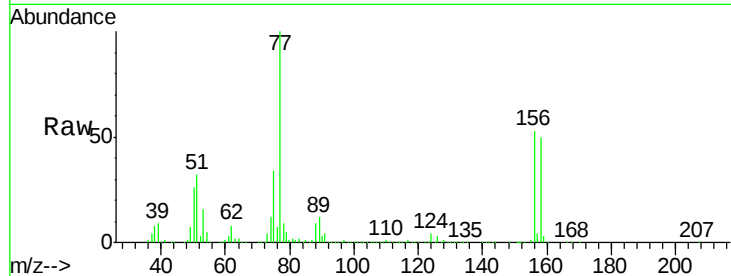
ClientSampleId :

VSTDIC150

Tot Ion	Ratio	Lower	Upper
156	100		
77	220.1	110.1	330.1
158	95.8	47.9	143.7

Manual Integrations
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#78

n-propylbenzene

Concen: 142.745 ug/l

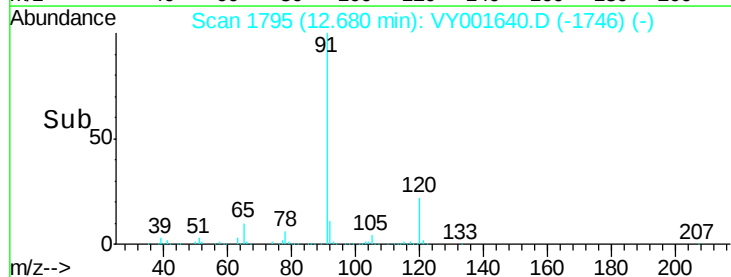
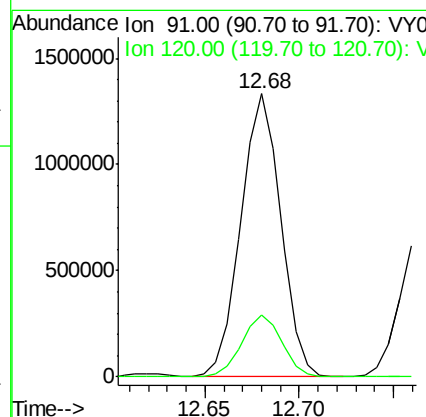
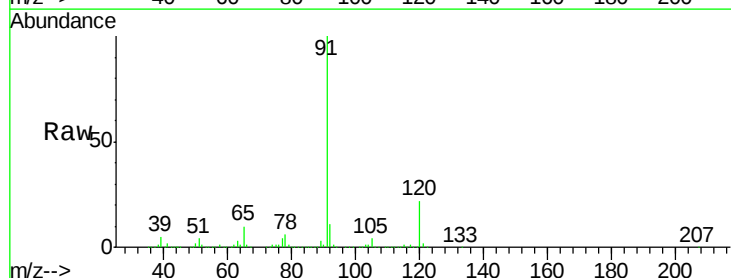
RT: 12.68 min Scan# 1795

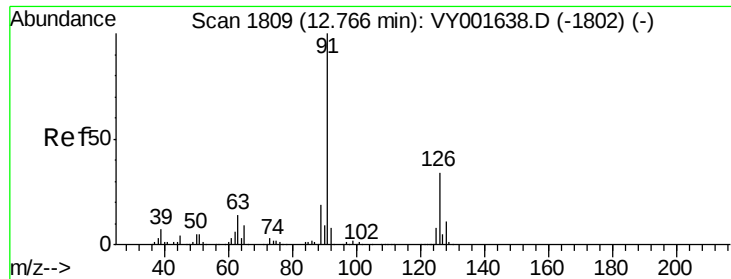
Delta R.T. -0.00 min

Lab File: VY001640.D

Acq: 17 Feb 2020 11:50

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.1	11.1	33.1





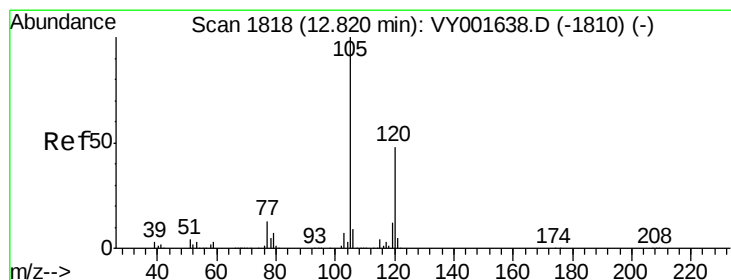
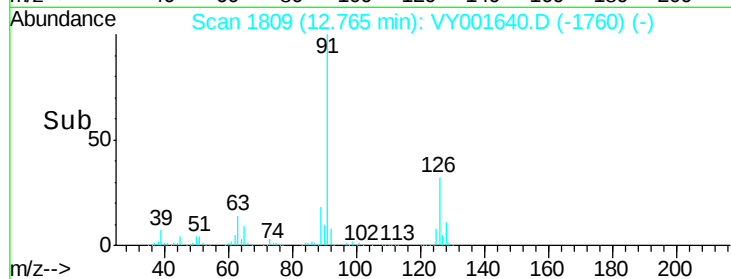
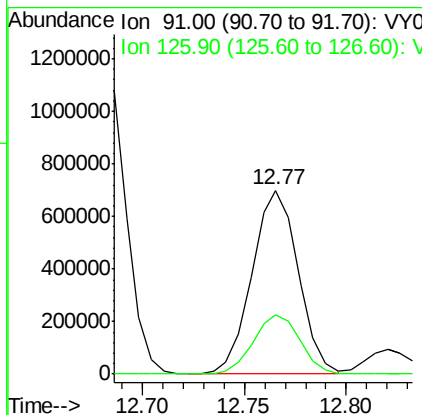
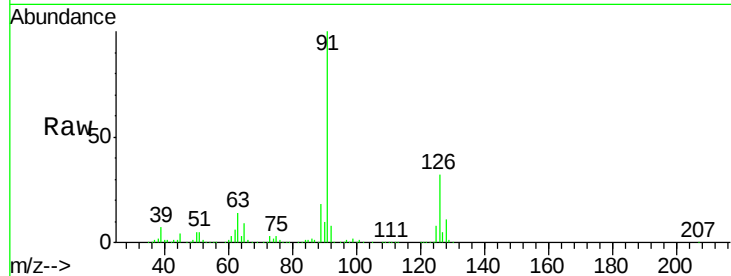
#79
2-Chlorotoluene
Concen: 142.790 ug/l
RT: 12.77 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VY001640.D
Acq: 17 Feb 2020 11:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tot Ion: 91 Resp: 1100668
Ion Ratio Lower Upper
91 100
126 32.4 16.2 48.6

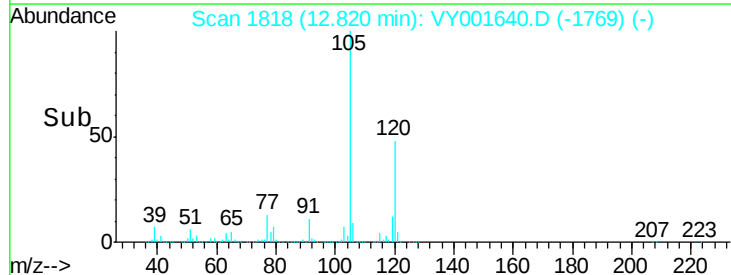
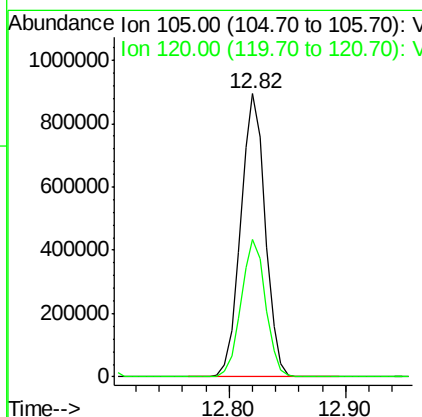
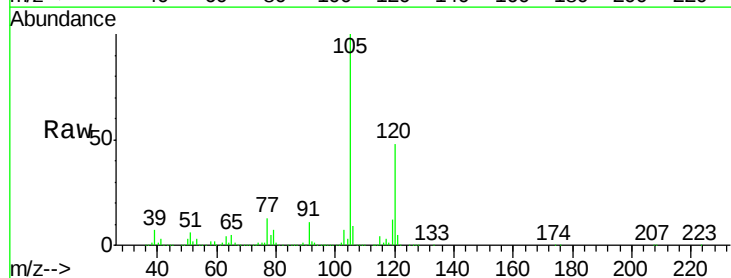
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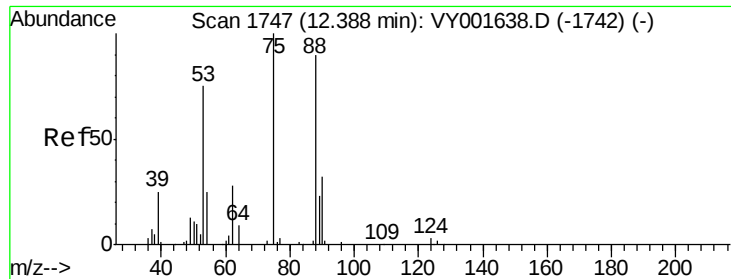
MMDadoda
2/19/2020 10:50:10 AM



#80
1,3,5-Trimethylbenzene
Concen: 140.338 ug/l
RT: 12.82 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VY001640.D
Acq: 17 Feb 2020 11:50

Tgt Ion: 105 Resp: 1310915
Ion Ratio Lower Upper
105 100
120 48.6 24.3 72.9





#81

trans-1,4-Dichloro-2-butene

Concen: 156.126 ug/l

RT: 12.39 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VY001640.D

Acq: 17 Feb 2020 11:50

Instrument :

MSVOA_Y

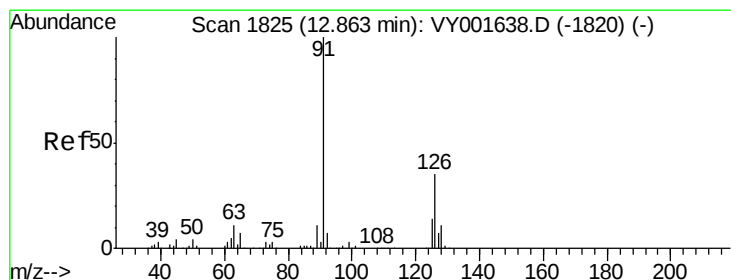
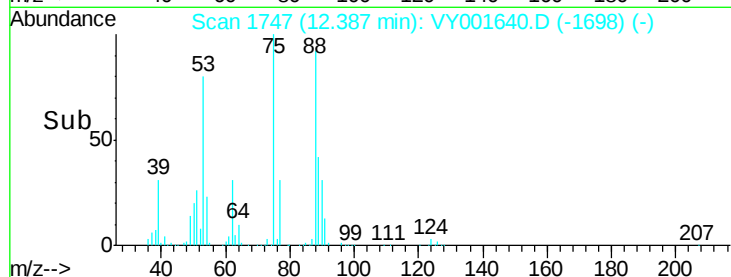
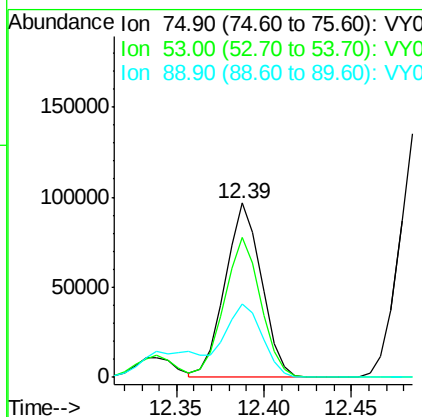
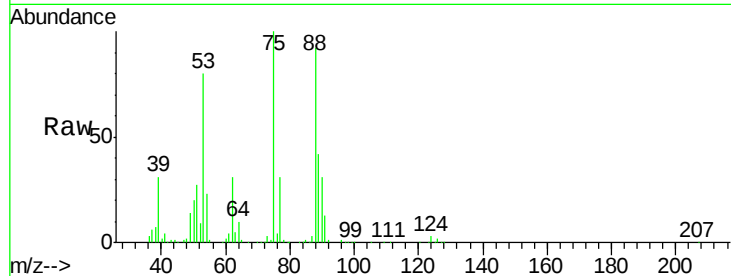
ClientSampleId :

VSTDIC150

Tot Ion:	75	Resp:	139834
Ion Ratio	Lower	Upper	
75	100		
53	80.6	64.5	96.7
89	45.4	36.3	54.5

Manual Integrations
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#82

4-Chlorotoluene

Concen: 143.608 ug/l

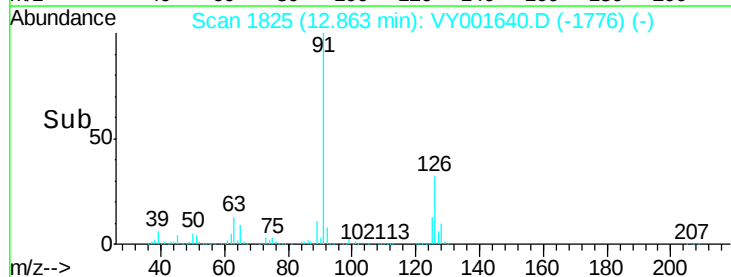
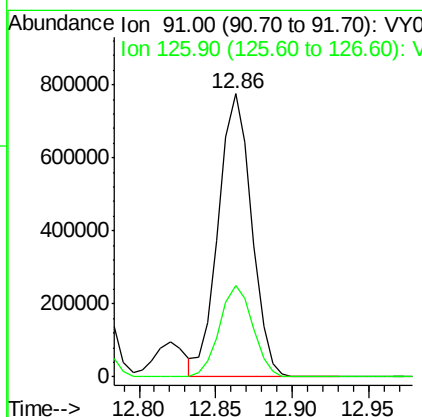
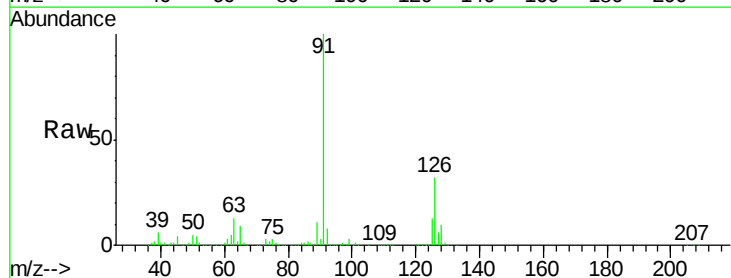
RT: 12.86 min Scan# 1825

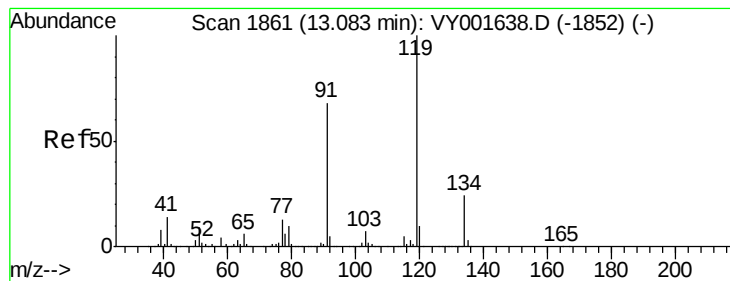
Delta R.T. -0.00 min

Lab File: VY001640.D

Acq: 17 Feb 2020 11:50

Tgt Ion:	91	Resp:	1167511
Ion Ratio	Lower	Upper	
91	100		
126	32.4	16.2	48.6





#83

tert-Butylbenzene

Concen: 139.739 ug/l

RT: 13.08 min Scan# 1861

Delta R.T. -0.00 min

Lab File: VY001640.D

Acq: 17 Feb 2020 11:50

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tot Ion:119 Resp: 1091722

Ion Ratio Lower Upper

119 100

91 67.0 33.5 100.5

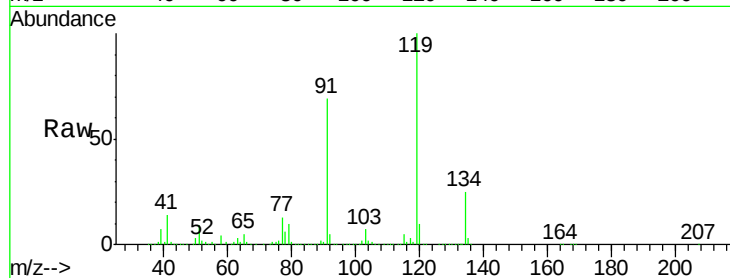
134 26.5 13.3 39.8

Manual Integrations

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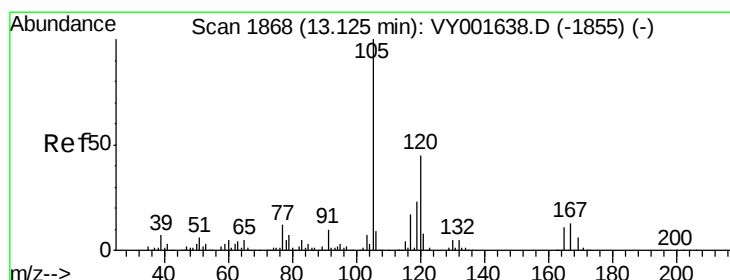
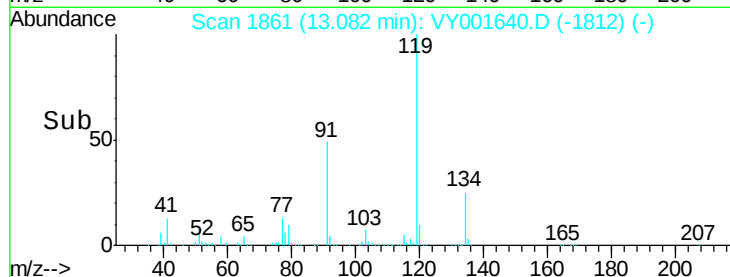
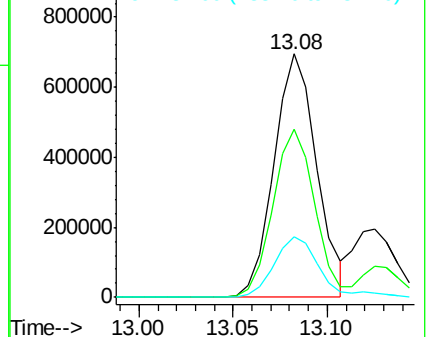
2/19/2020 10:50:10 AM



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VY0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 138.132 ug/l

RT: 13.13 min Scan# 1869

Delta R.T. 0.01 min

Lab File: VY001640.D

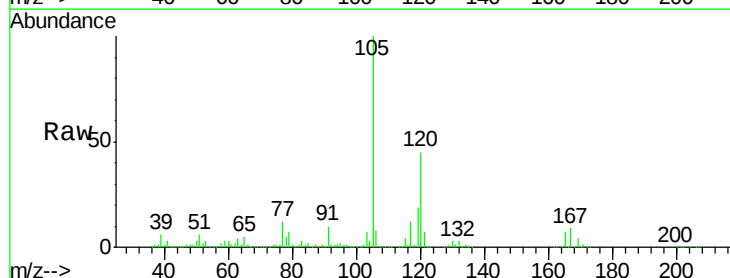
Acq: 17 Feb 2020 11:50

Tgt Ion:105 Resp: 1286381

Ion Ratio Lower Upper

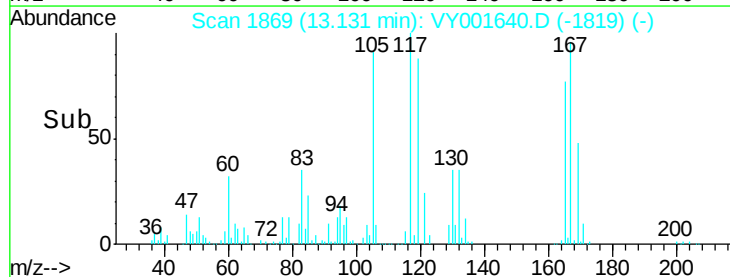
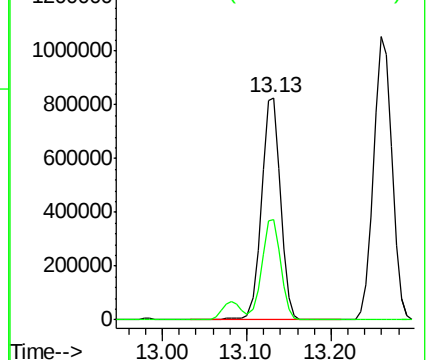
105 100

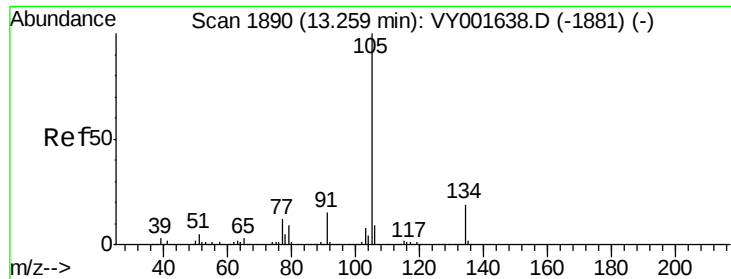
120 44.9 22.4 67.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 139.290 ug/l

RT: 13.26 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VY001640.D

Acq: 17 Feb 2020 11:50

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 1600477

Ion Ratio Lower Upper

105 100

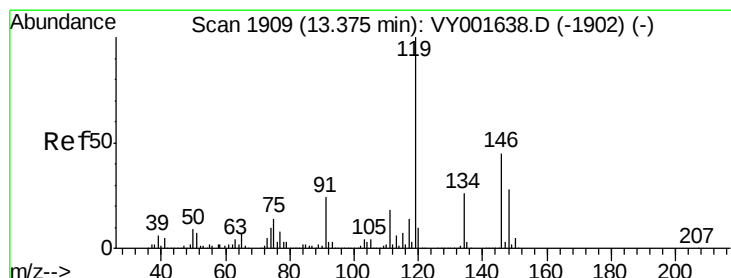
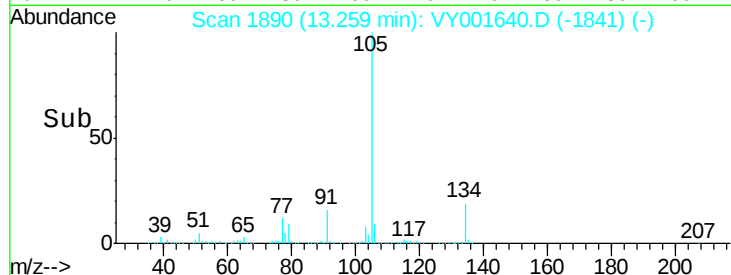
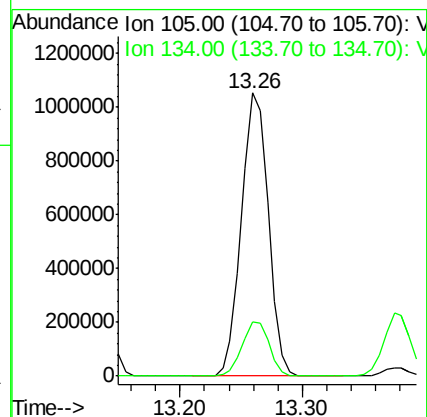
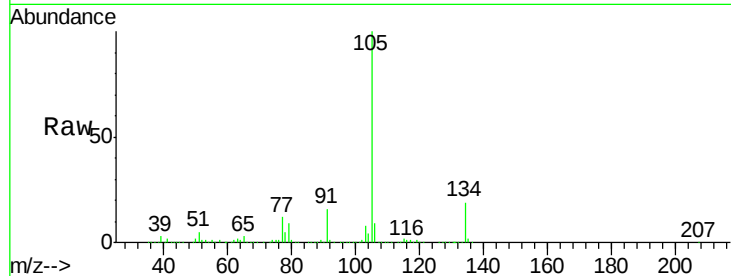
134 19.5 9.8 29.3

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 135.393 ug/l

RT: 13.38 min Scan# 1909

Delta R.T. -0.00 min

Lab File: VY001640.D

Acq: 17 Feb 2020 11:50

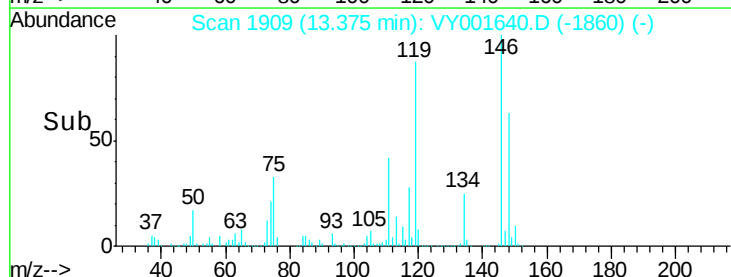
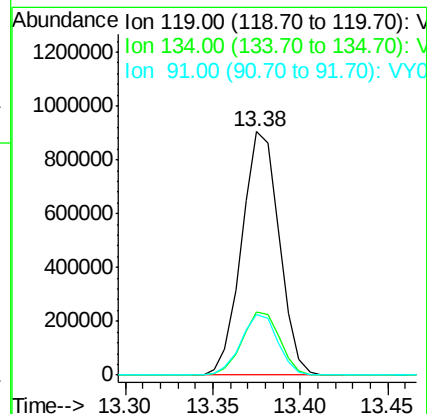
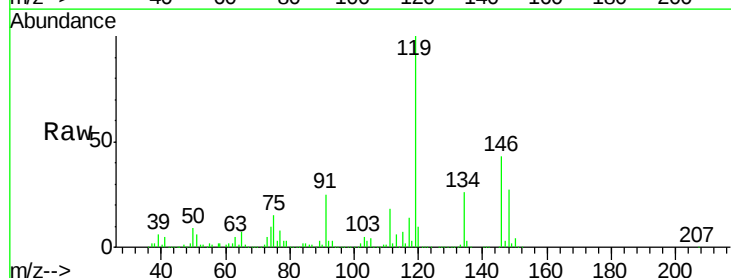
Tgt Ion:119 Resp: 1351491

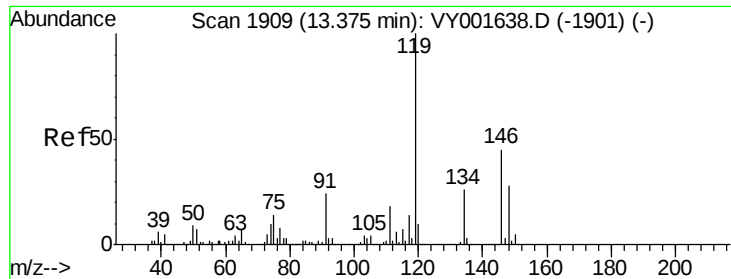
Ion Ratio Lower Upper

119 100

134 26.0 13.0 39.0

91 24.4 12.2 36.6





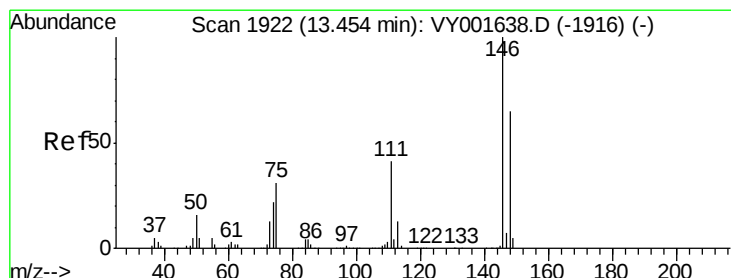
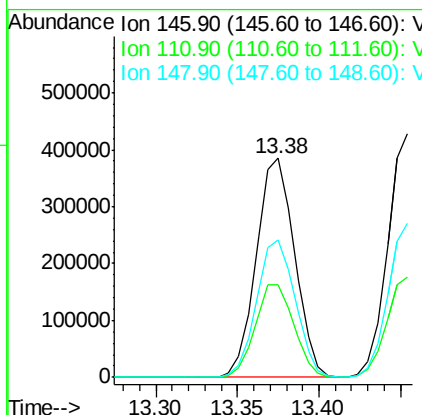
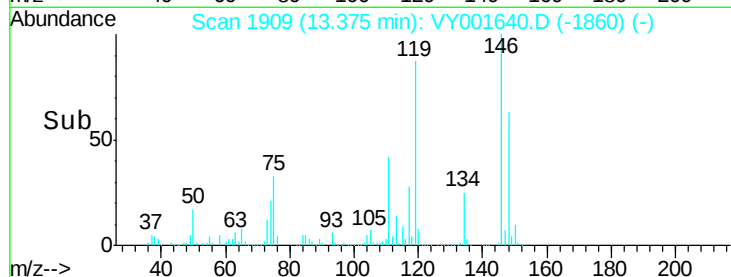
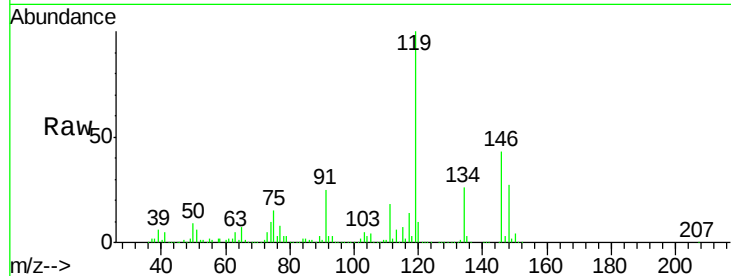
#87
 1,3-Dichlorobenzene
 Concen: 132.238 ug/l
 RT: 13.38 min Scan# 1909
 Delta R.T. -0.00 min
 Lab File: VY001640.D
 Acq: 17 Feb 2020 11:50

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.4	64.3
148	63.1	31.6	94.7

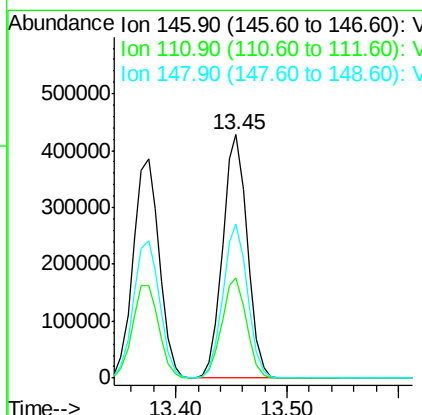
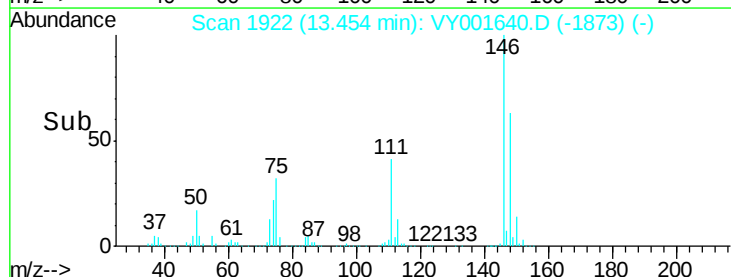
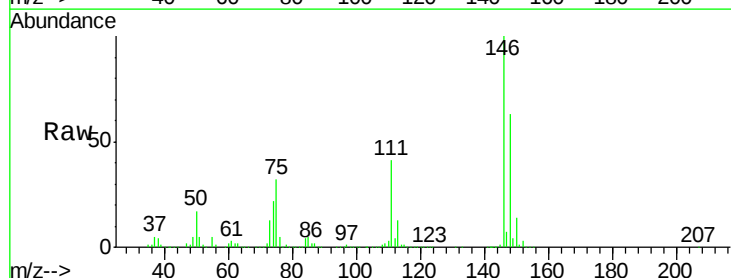
Manual Integrations
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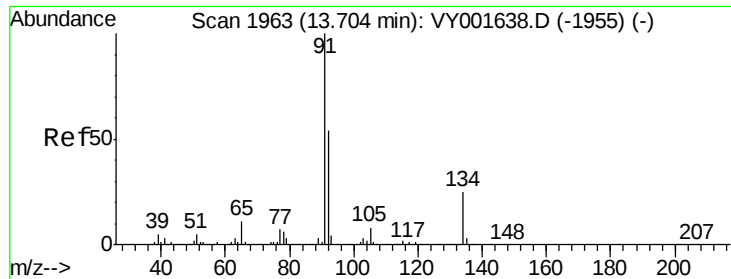
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#88
 1,4-Dichlorobenzene
 Concen: 135.960 ug/l
 RT: 13.45 min Scan# 1922
 Delta R.T. -0.00 min
 Lab File: VY001640.D
 Acq: 17 Feb 2020 11:50

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.4	61.3
148	63.1	31.6	94.7





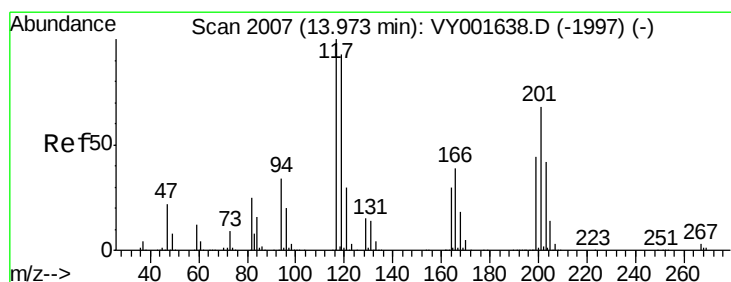
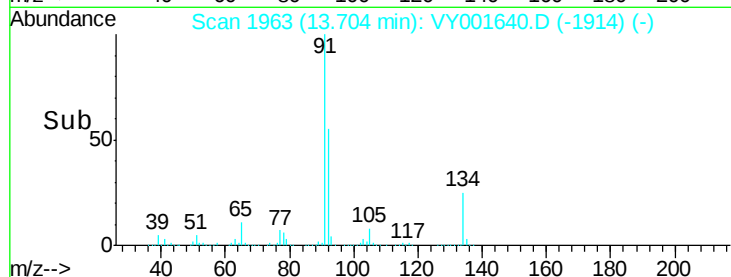
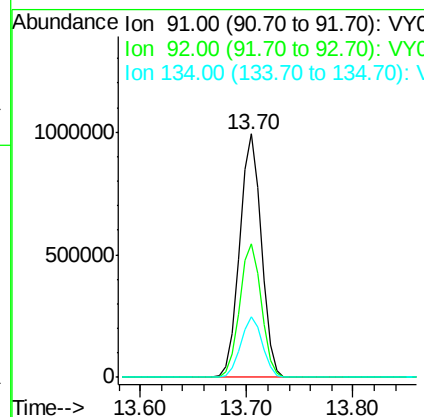
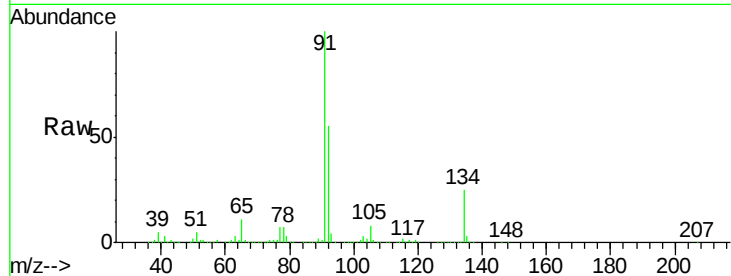
#89
n-Butylbenzene
Concen: 139.302 ug/l
RT: 13.70 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VY001640.D
Acq: 17 Feb 2020 11:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 1420835
Ion Ratio Lower Upper
91 100
92 54.9 27.5 82.4
134 24.9 12.4 37.4

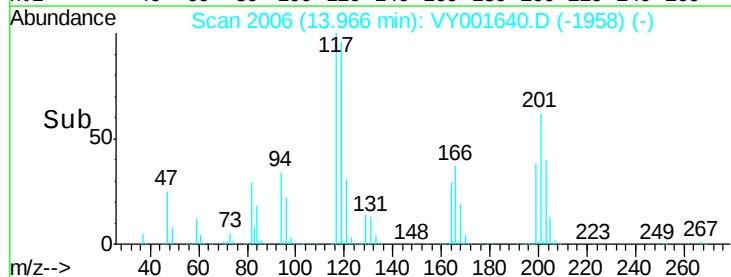
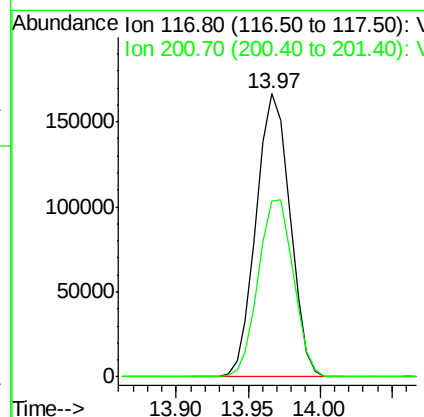
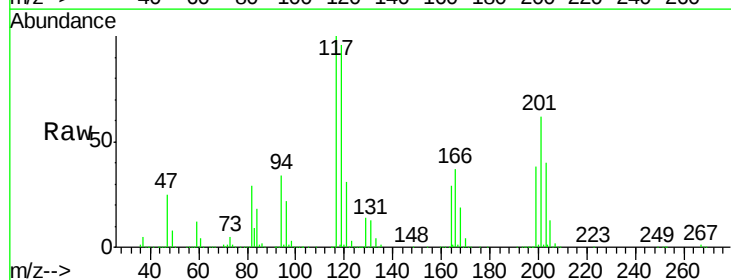
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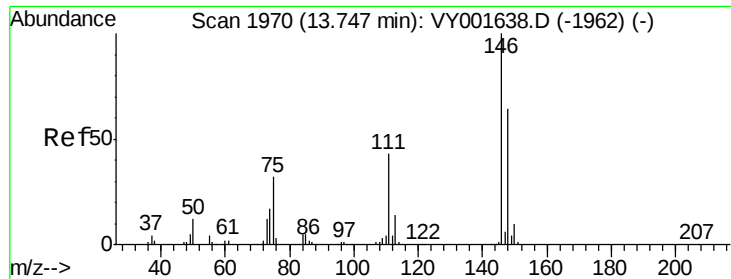
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#90
Hexachloroethane
Concen: 144.357 ug/l
RT: 13.97 min Scan# 2006
Delta R.T. -0.01 min
Lab File: VY001640.D
Acq: 17 Feb 2020 11:50

Tgt Ion: 117 Resp: 271492
Ion Ratio Lower Upper
117 100
201 64.9 32.5 97.4





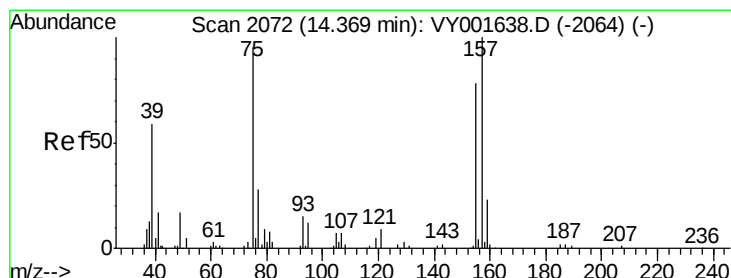
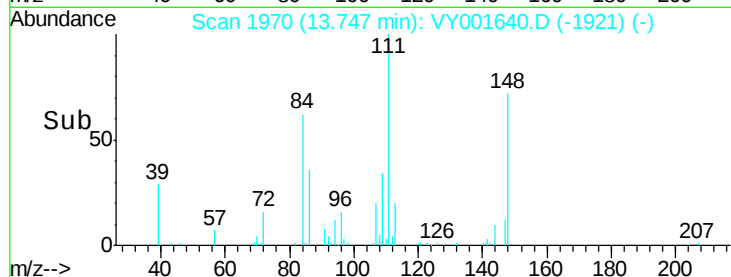
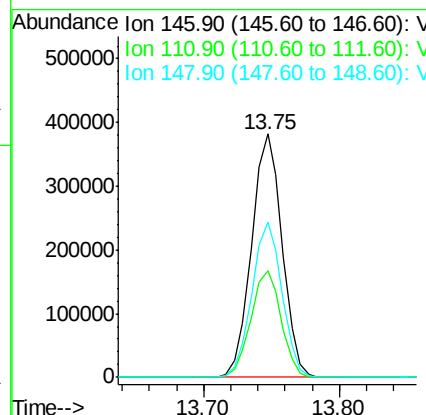
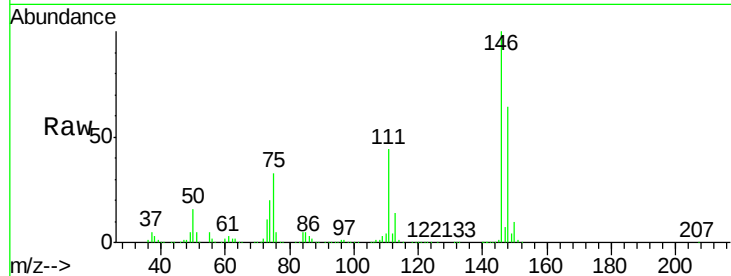
#91
 1,2-Dichlorobenzene
 Concen: 137.167 ug/l
 RT: 13.75 min Scan# 1970
 Delta R.T. -0.00 min
 Lab File: VY001640.D
 Acq: 17 Feb 2020 11:50

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.8	21.9	65.7
148	63.0	31.5	94.5

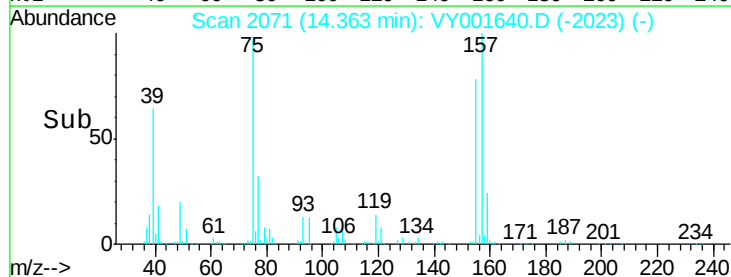
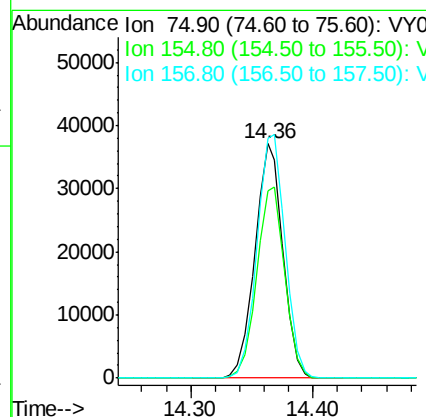
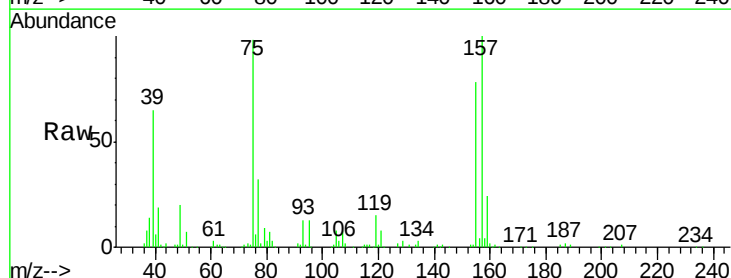
Manual Integrations
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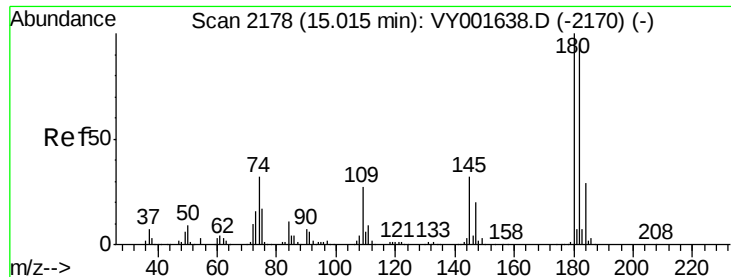
MMDadoda
 2/19/2020 10:50:10 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 148.496 ug/l
 RT: 14.36 min Scan# 2071
 Delta R.T. -0.01 min
 Lab File: VY001640.D
 Acq: 17 Feb 2020 11:50

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.6	40.8	122.4
157	104.3	52.1	156.4





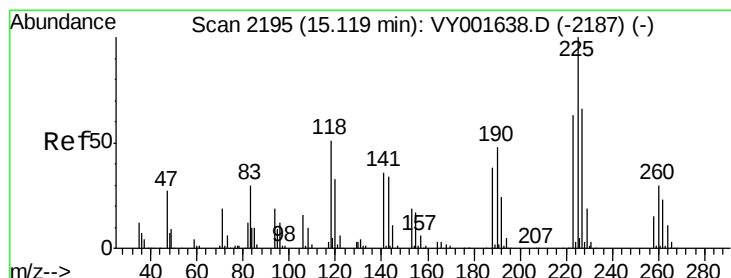
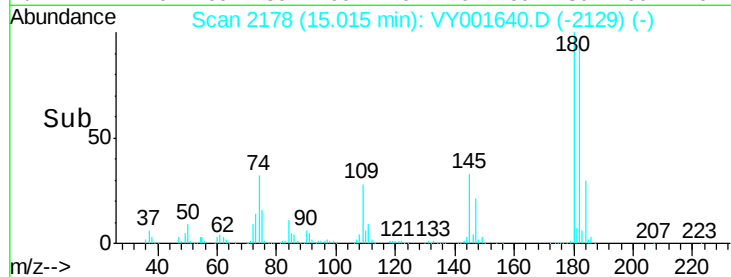
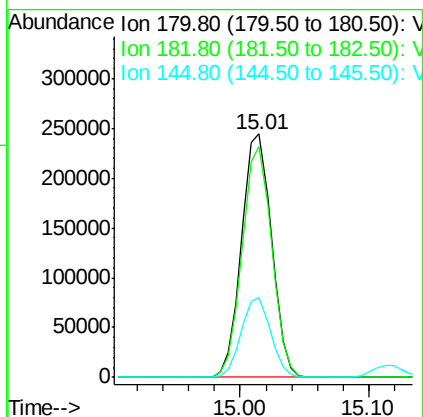
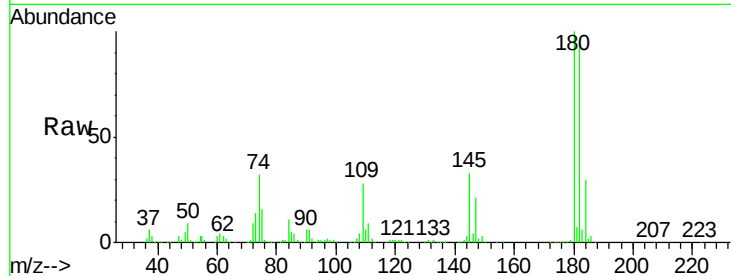
#93
1,2,4-Trichlorobenzene
Concen: 135.363 ug/l
RT: 15.01 min Scan# 2178
Delta R.T. -0.00 min
Lab File: VY001640.D
Acq: 17 Feb 2020 11:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
180	100	392744		
182	93.5	46.8	140.3	
145	32.3	16.2	48.5	

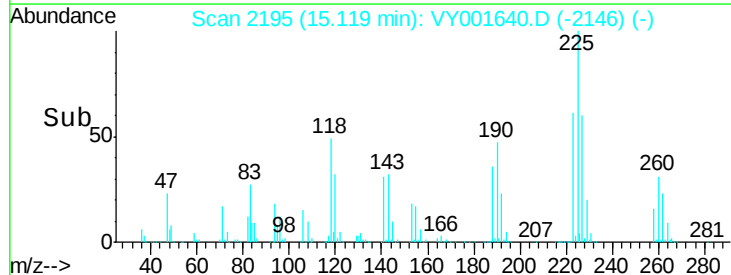
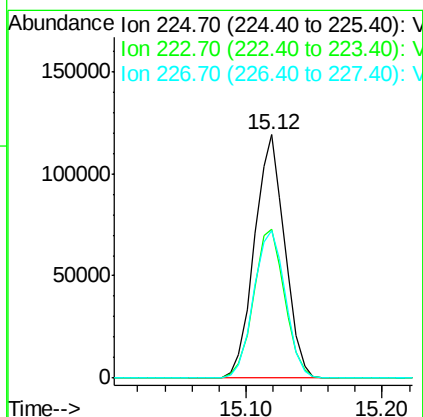
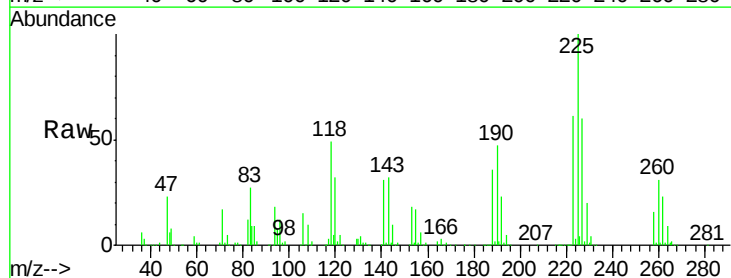
Manual Integrations
APPROVED

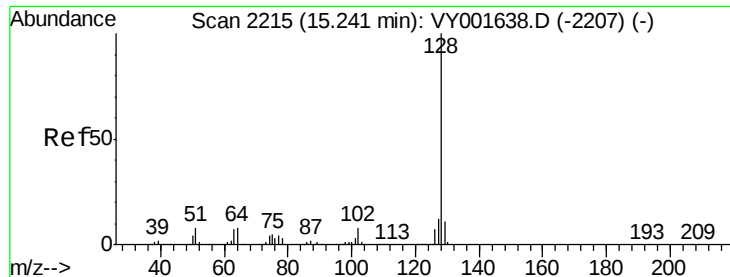
MMDadoda
2/19/2020 10:50:10 AM



#94
Hexachlorobutadiene
Concen: 129.105 ug/l
RT: 15.12 min Scan# 2195
Delta R.T. -0.00 min
Lab File: VY001640.D
Acq: 17 Feb 2020 11:50

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	186291		
223	62.7	31.4	94.0	
227	63.2	31.6	94.8	





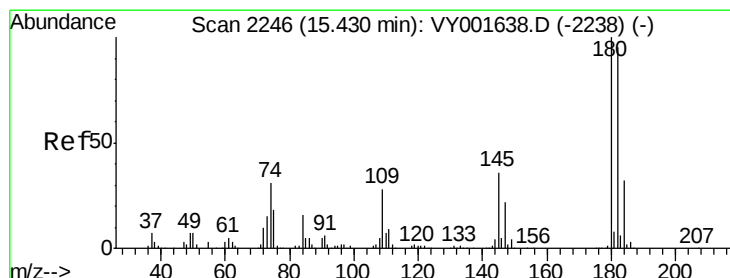
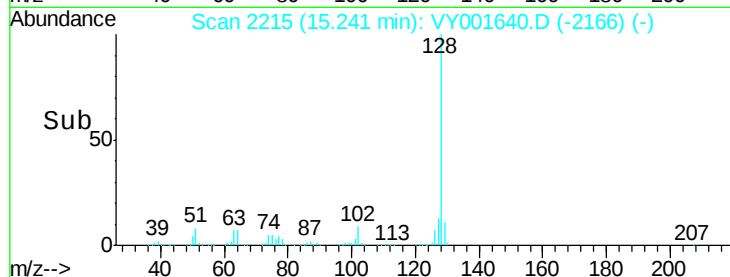
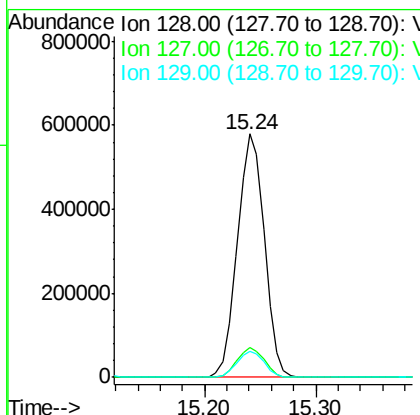
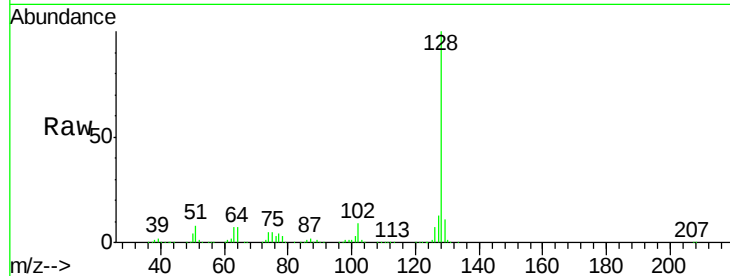
#95
Naphthalene
Concen: 144.893 ug/l
RT: 15.24 min Scan# 2215
Delta R.T. -0.00 min
Lab File: VY001640.D
Acq: 17 Feb 2020 11:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp Lower	Resp Upper
128	100		
127	12.4	9.9	14.9
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
2/19/2020 10:50:10 AM



#96
1,2,3-Trichlorobenzene
Concen: 135.377 ug/l
RT: 15.43 min Scan# 2246
Delta R.T. -0.00 min
Lab File: VY001640.D
Acq: 17 Feb 2020 11:50

Tgt Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	94.4	47.2	141.6
145	34.7	17.3	52.0

