

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021720\
 Data File : VY001661.D
 Acq On : 17 Feb 2020 20:48
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/19/2020 10:49:24 AM

Quant Time: Feb 18 01:21:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 17 12:19:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	176310	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	320760	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	291191	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	140704	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.17	65	105472	55.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.22%	
35) Dibromofluoromethane	7.75	113	96126	52.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.64%	
50) Toluene-d8	10.20	98	400521	55.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.30%	
62) 4-Bromofluorobenzene	12.50	95	144951	51.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.68%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.91	85	95509	55.573	ug/l	98
3) Chloromethane	2.13	50	122874	53.155	ug/l	99
4) Vinyl Chloride	2.26	62	122959	52.737	ug/l	99
5) Bromomethane	2.66	94	80102	54.970	ug/l	98
6) Chloroethane	2.81	64	76979	53.578	ug/l	99
7) Trichlorofluoromethane	3.15	101	158502	53.116	ug/l	98
8) Diethyl Ether	3.55	74	63317	53.823	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.93	101	97508	51.987	ug/l	98
10) Methyl Iodide	4.12	142	117249	51.078	ug/l	98
11) Tert butyl alcohol	4.99	59	55408	252.443	ug/l #	89
12) 1,1-Dichloroethene	3.90	96	101010	52.802	ug/l	97
13) Acrolein	3.76	56	46335	241.915	ug/l	98
14) Allyl chloride	4.52	41	178309	52.373	ug/l	97
15) Acrylonitrile	5.21	53	161365	267.611	ug/l	98
16) Acetone	3.97	43	152340	232.155	ug/l	97
17) Carbon Disulfide	4.22	76	330316	51.720	ug/l	99
18) Methyl Acetate	4.51	43	74749	52.307	ug/l	98
19) Methyl tert-butyl Ether	5.26	73	284893	53.489	ug/l	100
20) Methylene Chloride	4.75	84	128202	55.003	ug/l	95
21) trans-1,2-Dichloroethene	5.25	96	113916	52.193	ug/l	97
22) Diisopropyl ether	6.16	45	377214	53.951	ug/l	96
23) Vinyl Acetate	6.10	43	1222834	268.128	ug/l	97
24) 1,1-Dichloroethane	6.05	63	195119	52.214	ug/l	99
25) 2-Butanone	7.02	43	227889	255.647	ug/l	98
26) 2,2-Dichloropropane	7.02	77	158216	48.664	ug/l	99
27) cis-1,2-Dichloroethene	7.02	96	127336	52.855	ug/l	97
28) Bromochloromethane	7.36	49	88932	57.130	ug/l	99
29) Tetrahydrofuran	7.38	42	147518	273.793	ug/l	97
30) Chloroform	7.54	83	189682	51.948	ug/l	98
31) Cyclohexane	7.82	56	197548	49.582	ug/l	100
32) 1,1,1-Trichloroethane	7.73	97	159721	52.046	ug/l	99
36) 1,1-Dichloropropene	7.94	75	155233	50.665	ug/l	98
37) Ethyl Acetate	7.11	43	94253	51.541	ug/l	98
38) Carbon Tetrachloride	7.93	117	138037	51.292	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.21	83	202988	49.939	ug/l	98
40) Benzene	8.19	78	472156	52.397	ug/l	97
41) Methacrylonitrile	7.35	41	57330m	62.438	ug/l	
42) 1,2-Dichloroethane	8.27	62	130827	53.293	ug/l	100
43) Isopropyl Acetate	8.30	43	184280	53.112	ug/l	99
44) Trichloroethene	8.96	130	115823	51.490	ug/l	96
45) 1,2-Dichloropropane	9.24	63	118098	52.332	ug/l	98
46) Dibromomethane	9.33	93	62718	53.135	ug/l	99
47) Bromodichloromethane	9.52	83	149647	52.531	ug/l	99
48) Methyl methacrylate	9.32	41	83930	53.486	ug/l	98
49) 1,4-Dioxane	9.32	88	17122	1027.037	ug/l	94
51) 4-Methyl-2-Pentanone	10.09	43	484017	271.511	ug/l	97
52) Toluene	10.26	92	289515	51.508	ug/l	99
53) t-1,3-Dichloropropene	10.49	75	164436	52.213	ug/l	100
54) cis-1,3-Dichloropropene	9.95	75	188687	52.057	ug/l	98
55) 1,1,2-Trichloroethane	10.66	97	92508	53.151	ug/l	99
56) Ethyl methacrylate	10.53	69	140920	53.971	ug/l	96
57) 1,3-Dichloropropane	10.81	76	163286	52.801	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	233229	236.484	ug/l	100
59) 2-Hexanone	10.85	43	349976	261.650	ug/l	98
60) Dibromochloromethane	11.00	129	101963	53.137	ug/l	100
61) 1,2-Dibromoethane	11.11	107	88179	53.583	ug/l	99
64) Tetrachloroethene	10.74	164	98034	53.630	ug/l	98
65) Chlorobenzene	11.53	112	298745	51.387	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.61	131	102002	52.013	ug/l	100
67) Ethyl Benzene	11.61	91	555171	51.459	ug/l	99
68) m/p-Xylenes	11.72	106	417867	103.688	ug/l	100
69) o-Xylene	12.05	106	197994	51.677	ug/l	99
70) Styrene	12.06	104	349752	52.526	ug/l	100
71) Bromoform	12.22	173	59108	52.740	ug/l #	99
73) Isopropylbenzene	12.35	105	533029	49.727	ug/l	99
74) N-amyl acetate	12.16	43	181479	53.050	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.59	83	118498	51.774	ug/l	100
76) 1,2,3-Trichloropropane	12.65	75	88935m	55.100	ug/l	
77) Bromobenzene	12.63	156	116658	50.204	ug/l	98
78) n-propylbenzene	12.69	91	658048	50.406	ug/l	100
79) 2-Chlorotoluene	12.77	91	366642	50.074	ug/l	99
80) 1,3,5-Trimethylbenzene	12.83	105	448308	50.524	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	41890	49.238	ug/l	96
82) 4-Chlorotoluene	12.87	91	391426	50.686	ug/l	99
83) tert-Butylbenzene	13.09	119	371520	50.062	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	450684	50.947	ug/l	100
85) sec-Butylbenzene	13.27	105	551856	50.562	ug/l	100
86) p-Isopropyltoluene	13.38	119	475639	50.163	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	227399	50.459	ug/l	99
88) 1,4-Dichlorobenzene	13.46	146	228791	50.224	ug/l	99
89) n-Butylbenzene	13.71	91	486465	50.210	ug/l	99
90) Hexachloroethane	13.97	117	90965	50.919	ug/l	97
91) 1,2-Dichlorobenzene	13.75	146	211043	50.745	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.38	75	18907	50.055	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	136728	49.610	ug/l	99
94) Hexachlorobutadiene	15.13	225	66525	48.536	ug/l	99
95) Naphthalene	15.25	128	321481	50.590	ug/l	99
96) 1,2,3-Trichlorobenzene	15.44	180	120497	49.696	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 998

Delta R.T. 0.01 min

Lab File: VY001661.D

Acq: 17 Feb 2020 20:48

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 176310

Ion Ratio Lower Upper

168 100

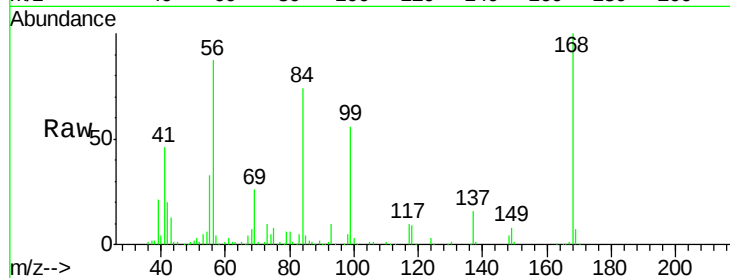
99 56.1 47.5 71.3

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VY001661.D (-948) (-)

Ion 98.90 (98.60 to 99.60): VY001661.D (-948) (-)

7.82

80000

60000

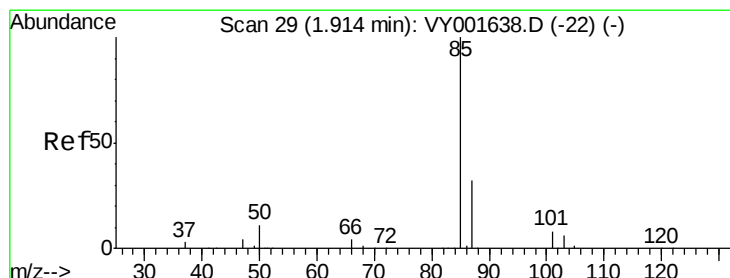
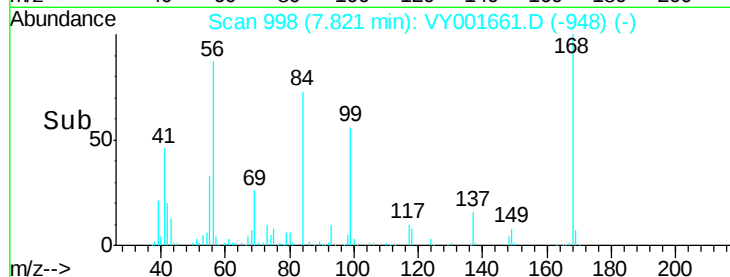
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 55.573 ug/l

RT: 1.91 min Scan# 29

Delta R.T. 0.00 min

Lab File: VY001661.D

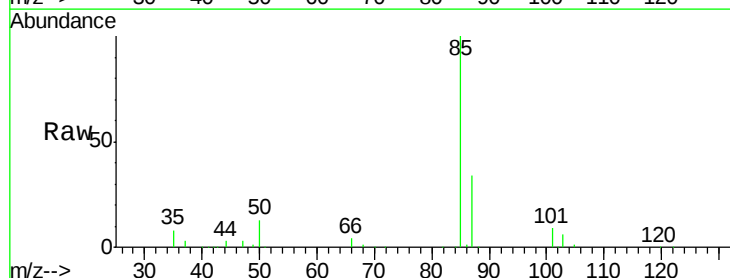
Acq: 17 Feb 2020 20:48

Tgt Ion: 85 Resp: 95509

Ion Ratio Lower Upper

85 100

87 33.6 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VY001661.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VY001661.D (-1) (-)

1.91

80000

60000

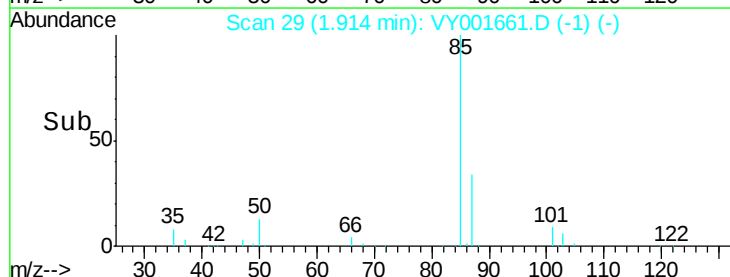
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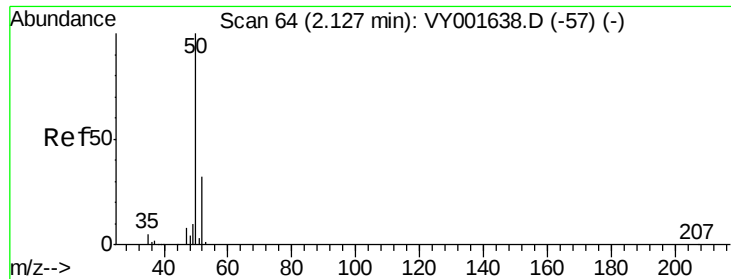
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0

1.85 1.90 1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 53.155 ug/l

RT: 2.13 min Scan# 64

Delta R.T. 0.00 min

Lab File: VY001661.D

Acq: 17 Feb 2020 20:48

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 122874

Ion Ratio Lower Upper

50 100

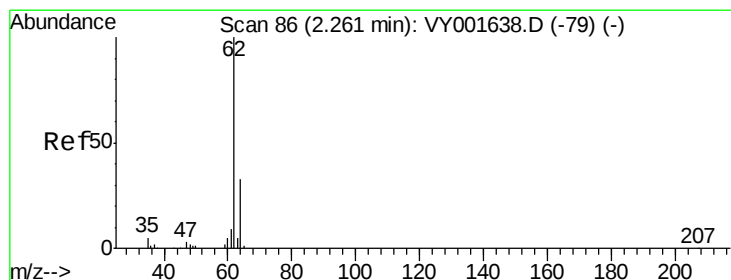
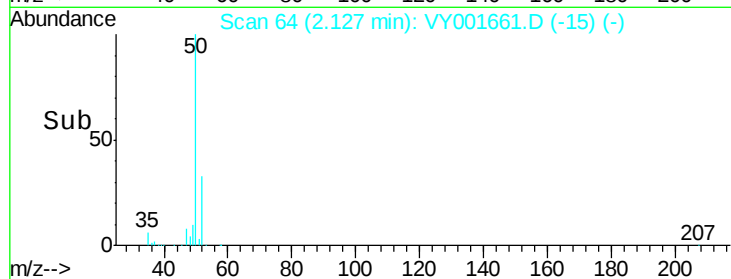
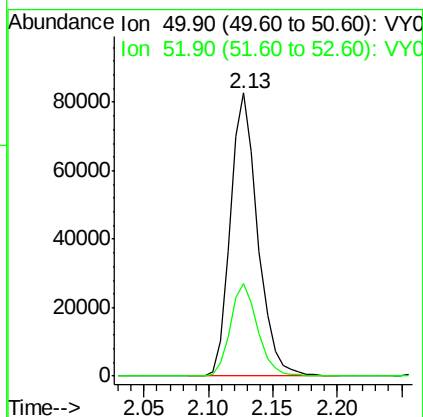
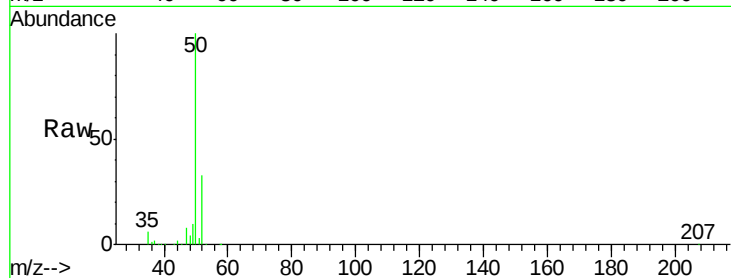
52 32.7 25.8 38.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 52.737 ug/l

RT: 2.26 min Scan# 86

Delta R.T. 0.00 min

Lab File: VY001661.D

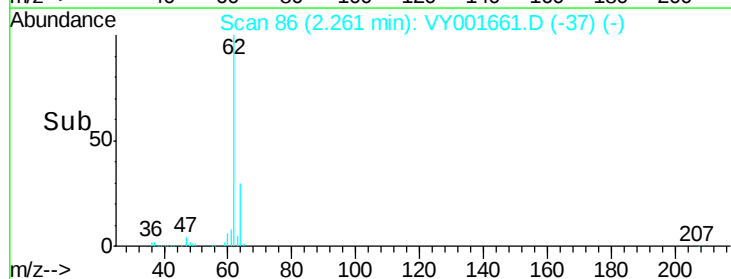
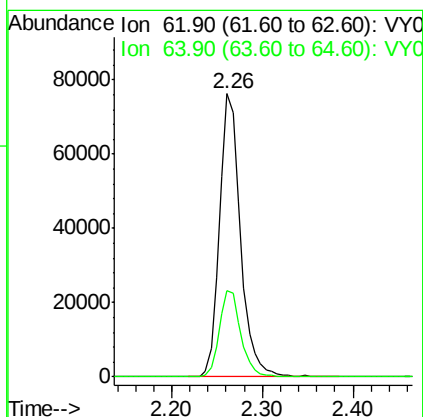
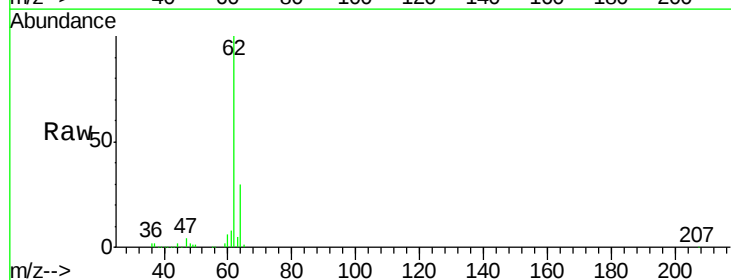
Acq: 17 Feb 2020 20:48

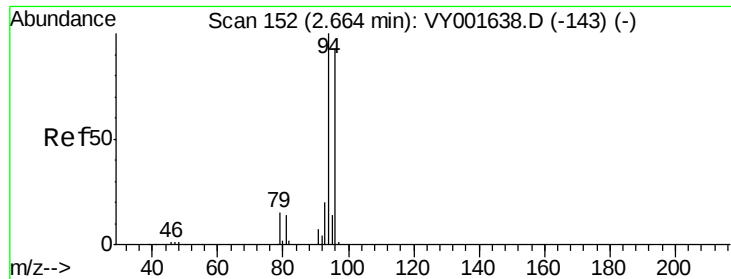
Tgt Ion: 62 Resp: 122959

Ion Ratio Lower Upper

62 100

64 30.5 24.9 37.3





#5

Bromomethane

Concen: 54.970 ug/l

RT: 2.66 min Scan# 152

Delta R.T. 0.00 min

Lab File: VY001661.D

Acq: 17 Feb 2020 20:48

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 80102

Ion Ratio Lower Upper

94 100

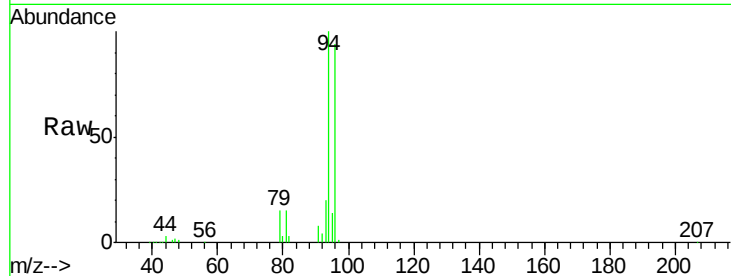
96 93.8 73.7 110.5

Manual Integrations

APPROVED

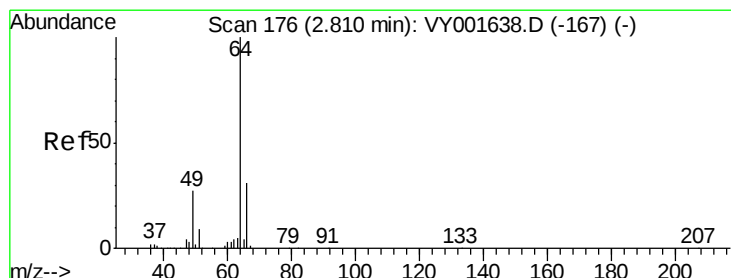
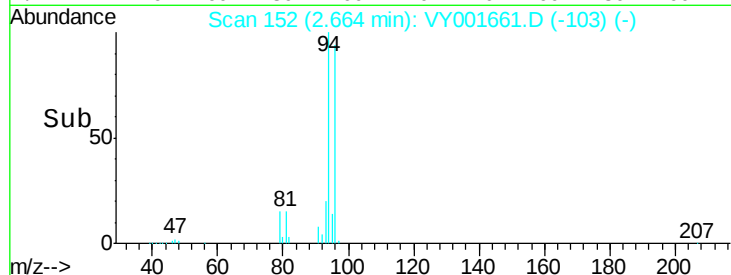
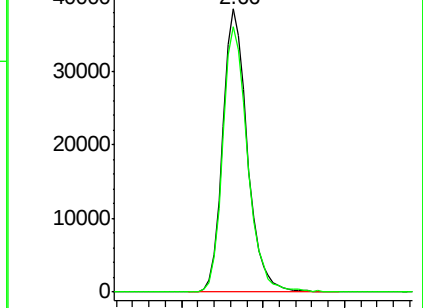
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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 53.578 ug/l

RT: 2.81 min Scan# 176

Delta R.T. 0.00 min

Lab File: VY001661.D

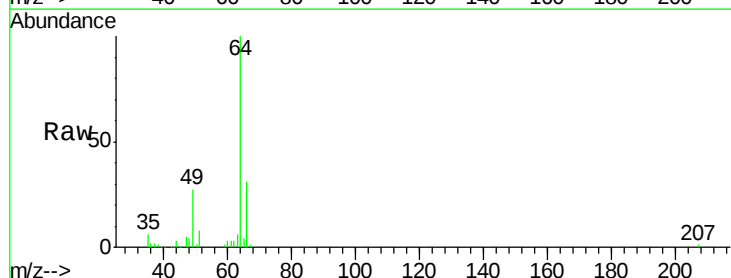
Acq: 17 Feb 2020 20:48

Tgt Ion: 64 Resp: 76979

Ion Ratio Lower Upper

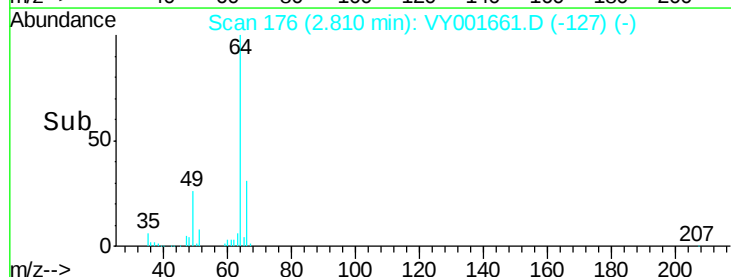
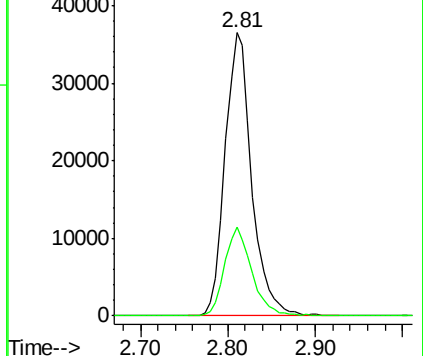
64 100

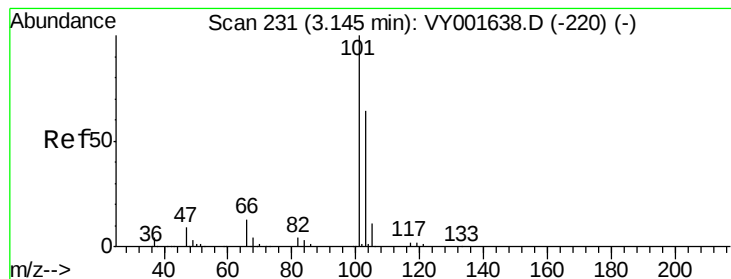
66 31.2 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

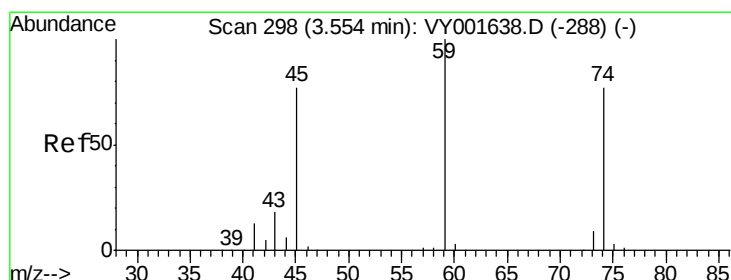
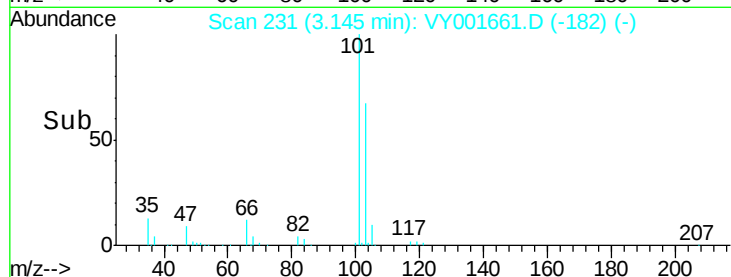
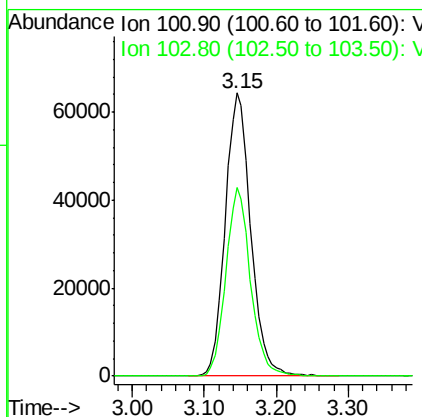
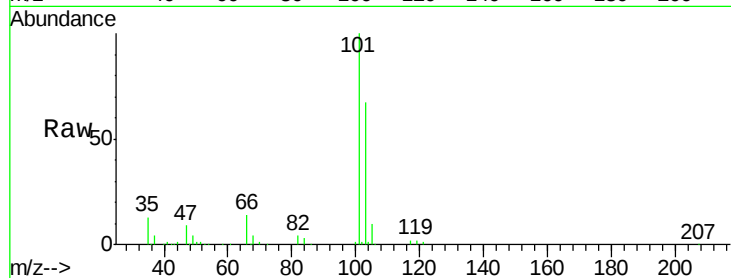
Trichlorofluoromethane
Concen: 53.116 ug/l
RT: 3.15 min Scan# 231
Delta R.T. 0.00 min
Lab File: VY001661.D
Acq: 17 Feb 2020 20:48

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	66.7	52.2	78.2

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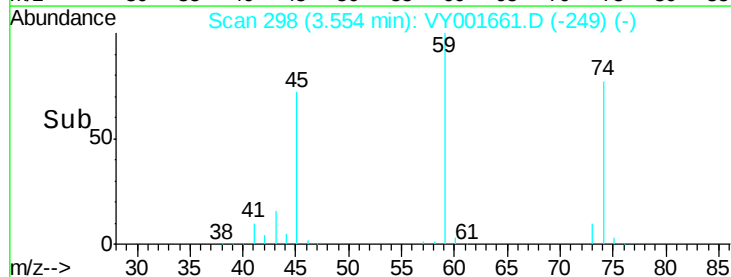
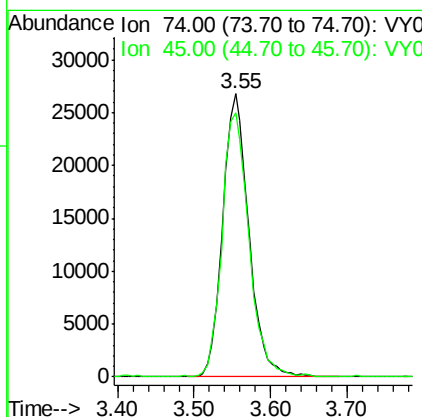
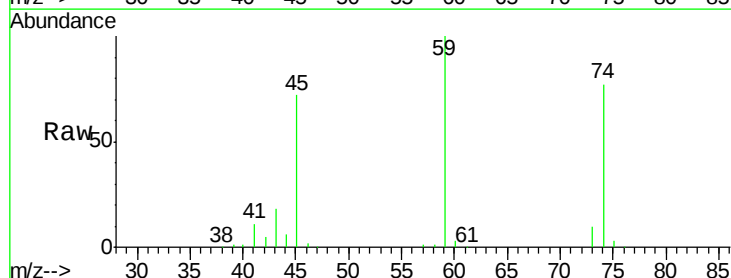
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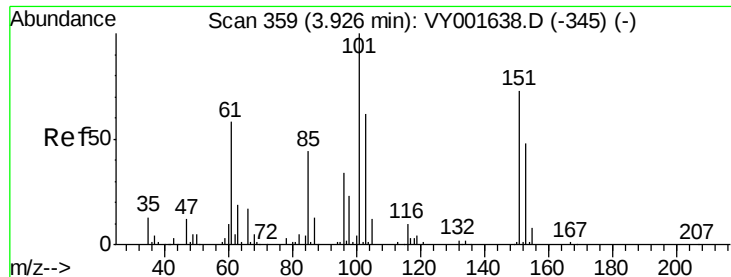


#8

Diethyl Ether
Concen: 53.823 ug/l
RT: 3.55 min Scan# 298
Delta R.T. 0.00 min
Lab File: VY001661.D
Acq: 17 Feb 2020 20:48

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.3	49.6	148.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.987 ug/l

RT: 3.93 min Scan# 359

Delta R.T. 0.00 min

Lab File: VY001661.D

Acq: 17 Feb 2020 20:48

Instrument :

MSVOA_Y

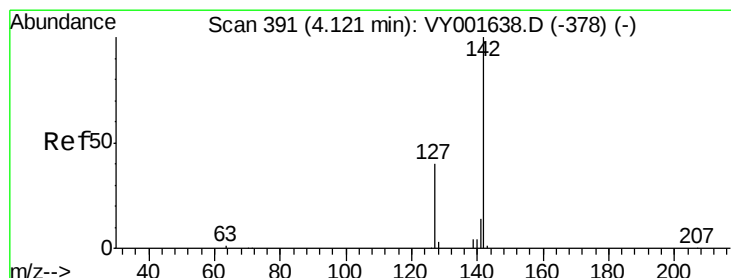
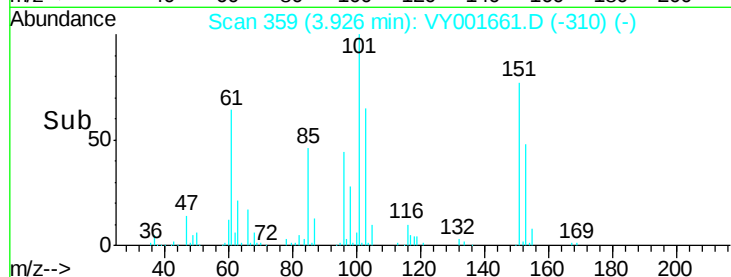
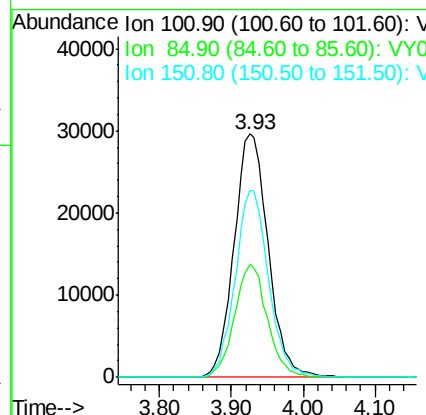
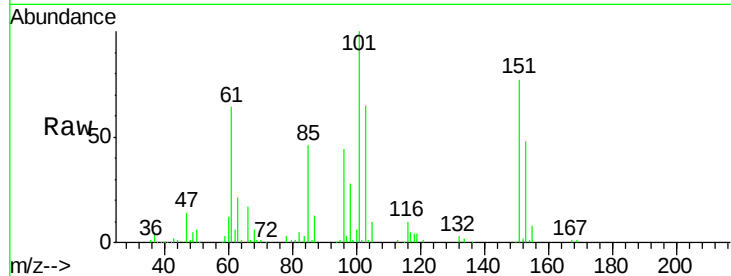
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	97508
Ion Ratio	Lower	Upper	
101	100		
85	44.6	35.1	52.7
151	75.4	58.4	87.6

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#10

Methyl Iodide

Concen: 51.078 ug/l

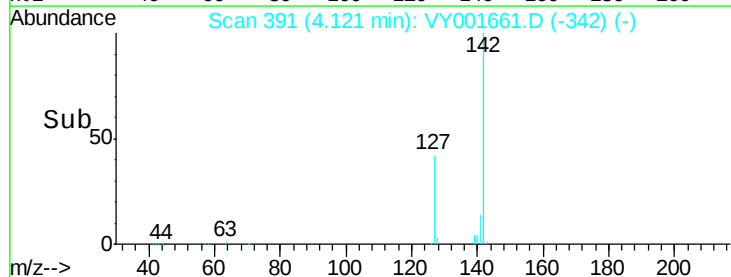
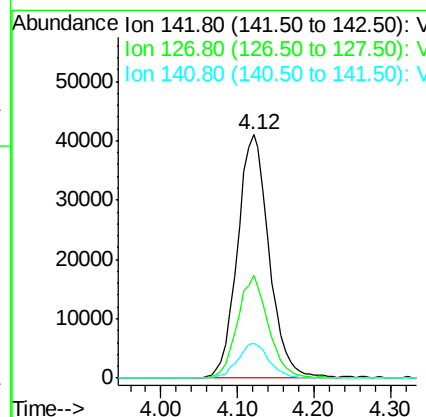
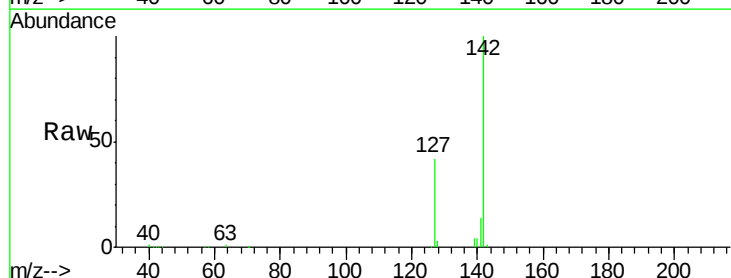
RT: 4.12 min Scan# 391

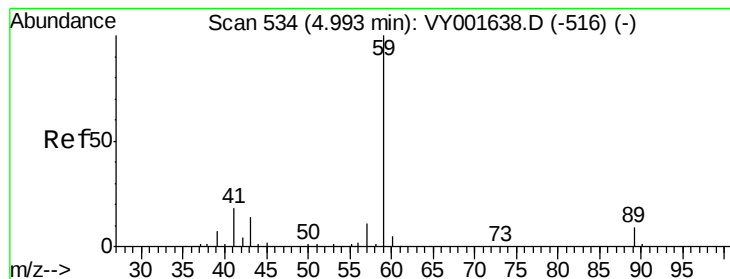
Delta R.T. 0.00 min

Lab File: VY001661.D

Acq: 17 Feb 2020 20:48

Tgt Ion:	142	Resp:	117249
Ion Ratio	Lower	Upper	
142	100		
127	41.4	32.1	48.1
141	14.2	11.3	16.9





#11

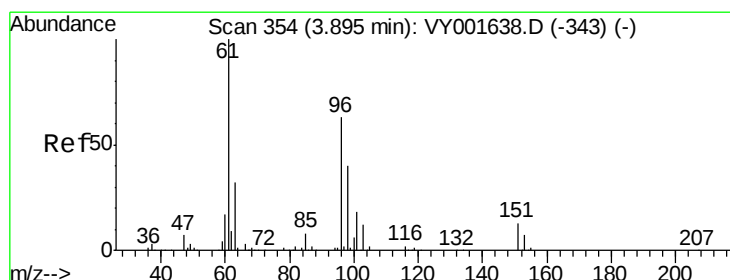
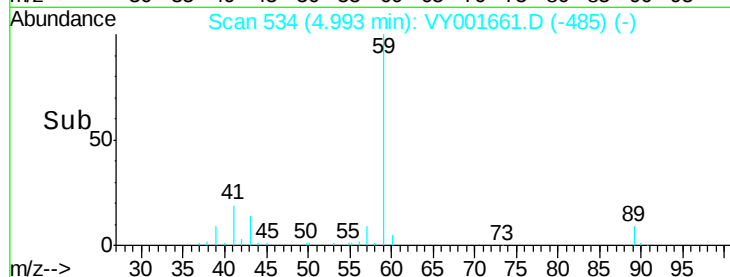
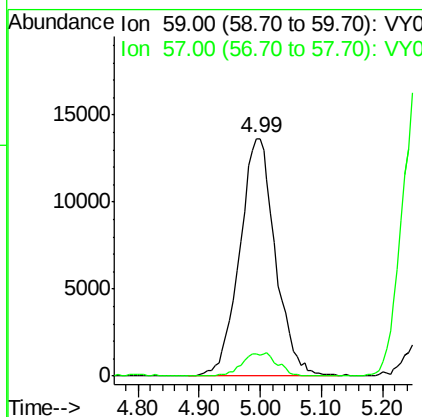
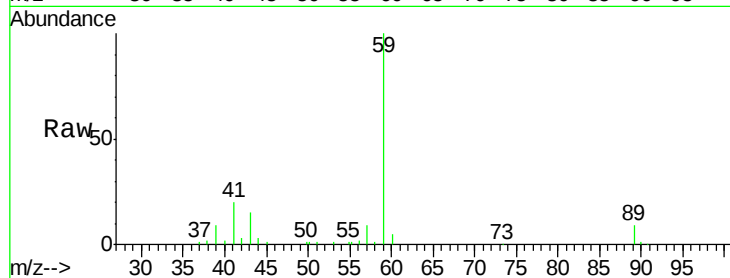
Tert butyl alcohol
Concen: 252.443 ug/l
RT: 4.99 min Scan# 534
Delta R.T. 0.00 min
Lab File: VY001661.D
Acq: 17 Feb 2020 20:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	5.1	7.4	11.2#

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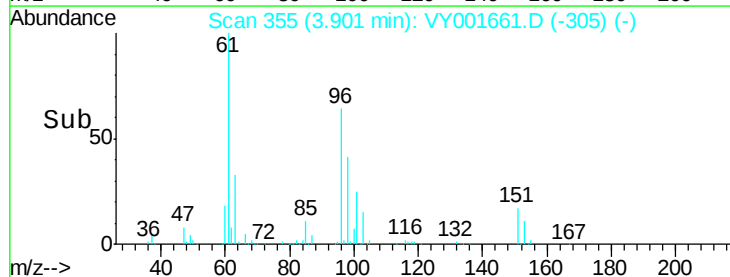
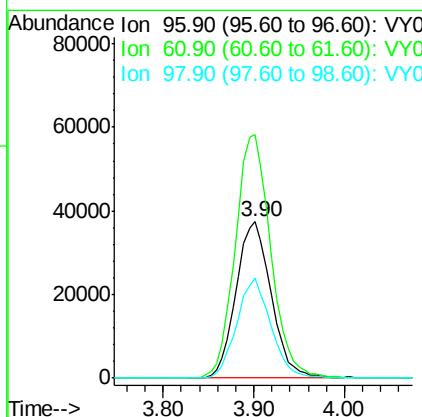
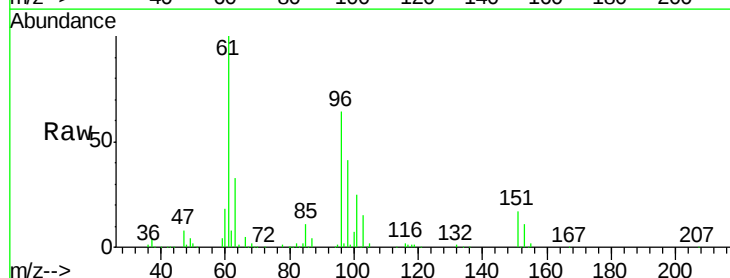
MMDadoda
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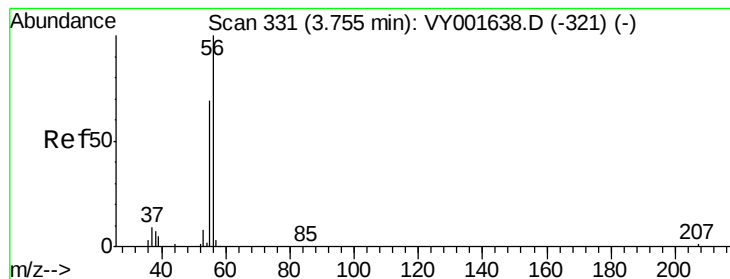


#12

1,1-Dichloroethene
Concen: 52.802 ug/l
RT: 3.90 min Scan# 355
Delta R.T. 0.01 min
Lab File: VY001661.D
Acq: 17 Feb 2020 20:48

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.7	128.7	193.1
98	63.9	50.7	76.1





#13

Acrolein

Concen: 241.915 ug/l

RT: 3.76 min Scan# 331

Delta R.T. 0.00 min

Lab File: VY001661.D

Acq: 17 Feb 2020 20:48

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 46335

Ion Ratio Lower Upper

56 100

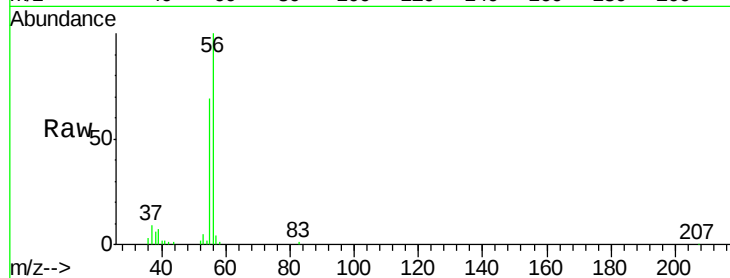
55 68.2 56.1 84.1

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

3.76

20000

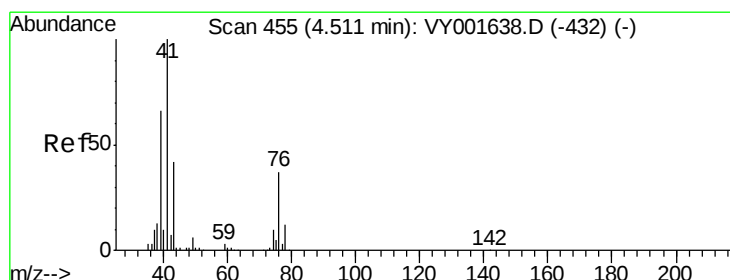
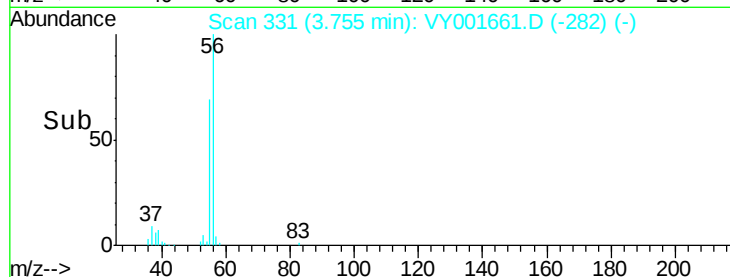
15000

10000

5000

0

Time-->



#14

Allyl chloride

Concen: 52.373 ug/l

RT: 4.52 min Scan# 456

Delta R.T. 0.01 min

Lab File: VY001661.D

Acq: 17 Feb 2020 20:48

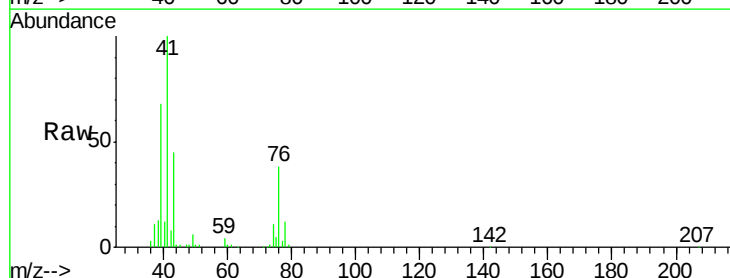
Tgt Ion: 41 Resp: 178309

Ion Ratio Lower Upper

41 100

39 65.1 49.4 74.0

76 36.1 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

4.52

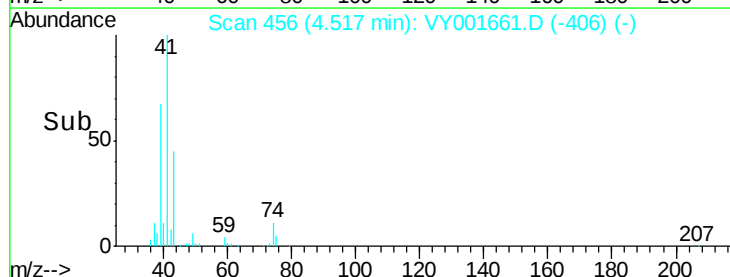
60000

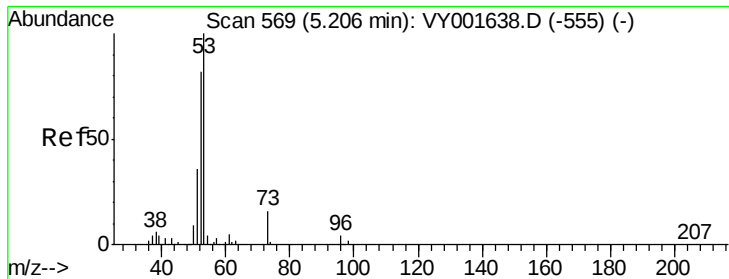
40000

20000

0

Time-->





#15

Acrylonitrile

Concen: 267.611 ug/l

RT: 5.21 min Scan# 569

Delta R.T. 0.00 min

Lab File: VY001661.D

Acq: 17 Feb 2020 20:48

Instrument :

MSVOA_Y

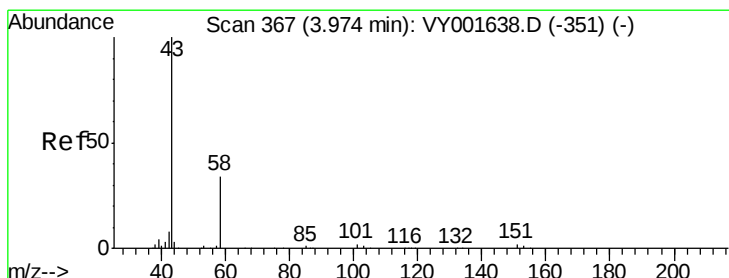
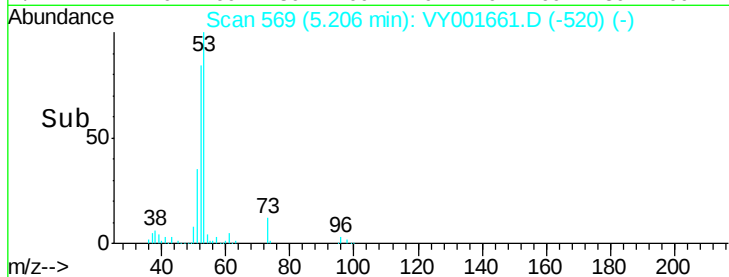
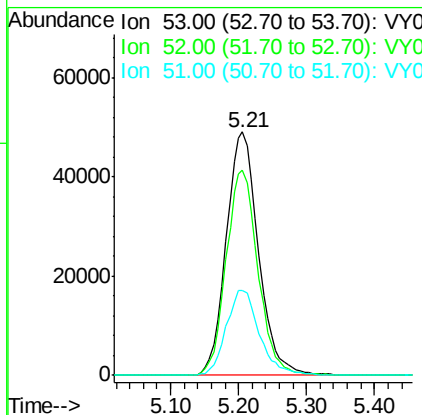
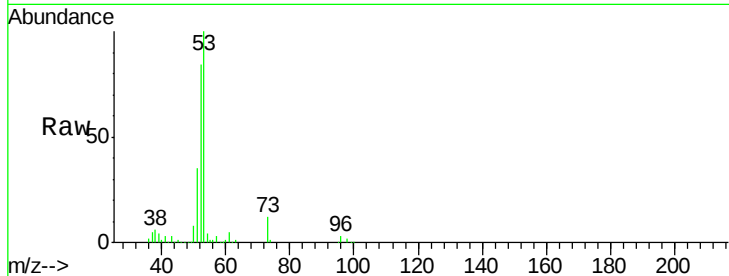
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	161365
Ion Ratio		Lower	Upper
53	100		
52	83.3	65.4	98.0
51	36.1	28.0	42.0

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#16

Acetone

Concen: 232.155 ug/l

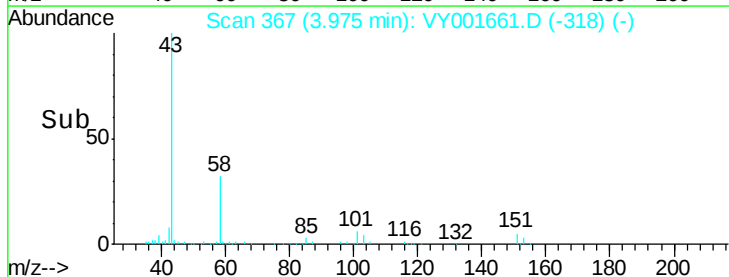
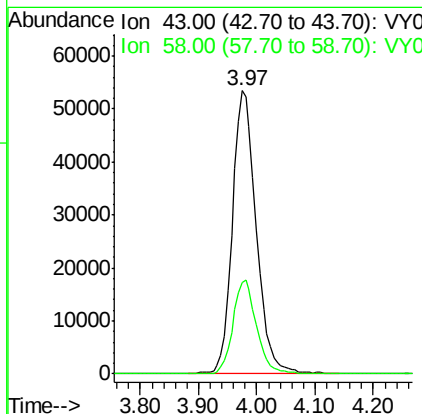
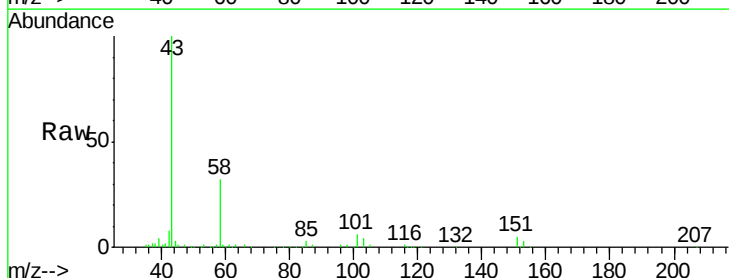
RT: 3.97 min Scan# 367

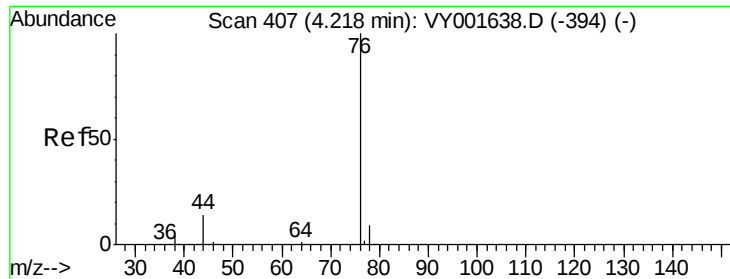
Delta R.T. 0.00 min

Lab File: VY001661.D

Acq: 17 Feb 2020 20:48

Tgt Ion:	43	Resp:	152340
Ion Ratio		Lower	Upper
43	100		
58	32.2	27.3	40.9





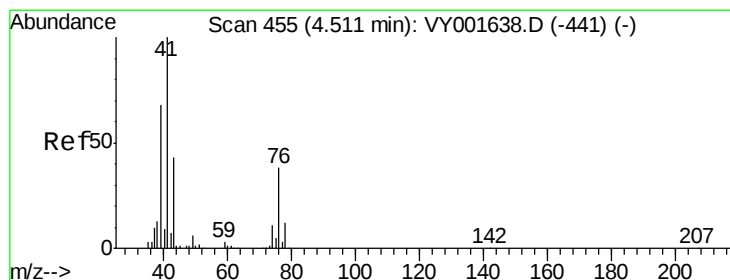
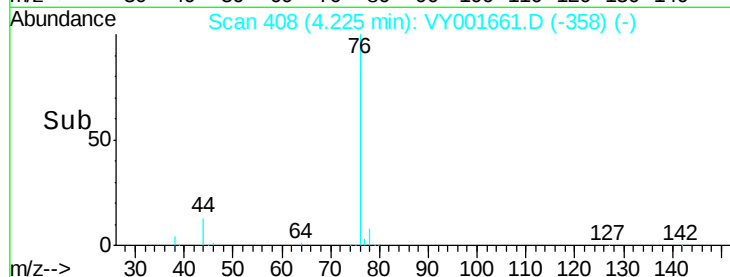
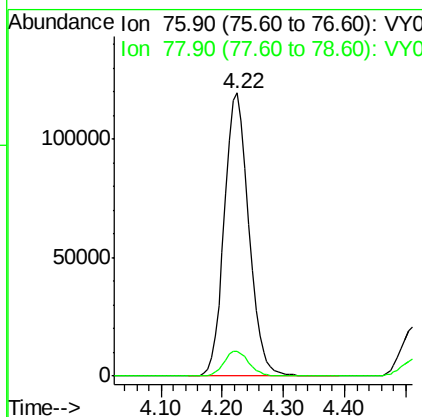
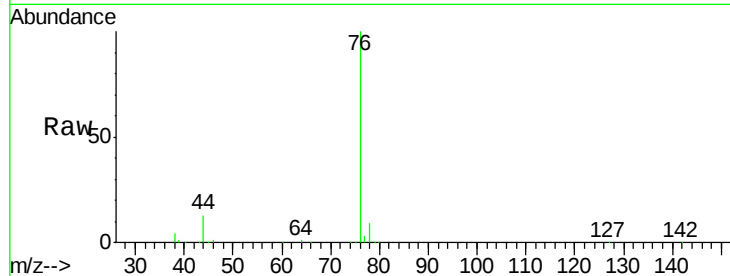
#17
Carbon Disulfide
Concen: 51.720 ug/l
RT: 4.22 min Scan# 408
Delta R.T. 0.01 min
Lab File: VY001661.D
Acq: 17 Feb 2020 20:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.3	10.9

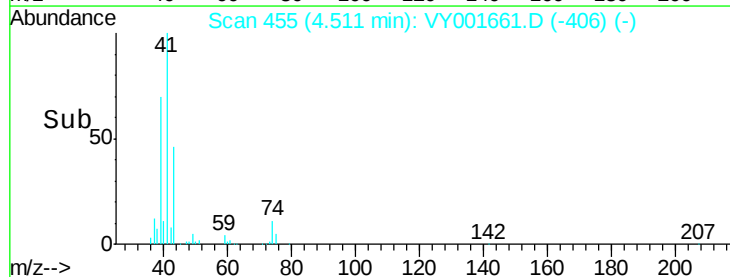
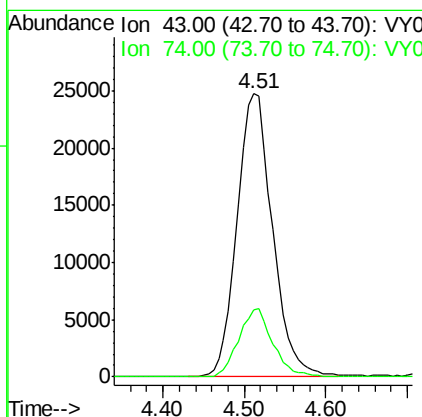
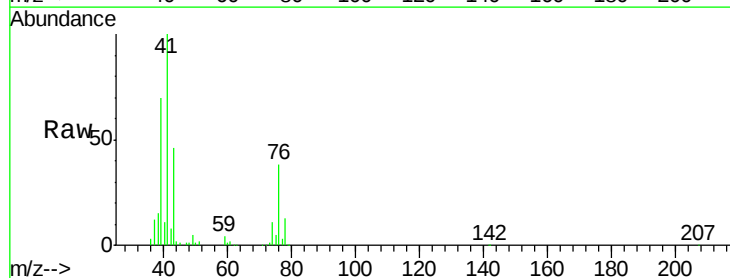
Manual Integrations
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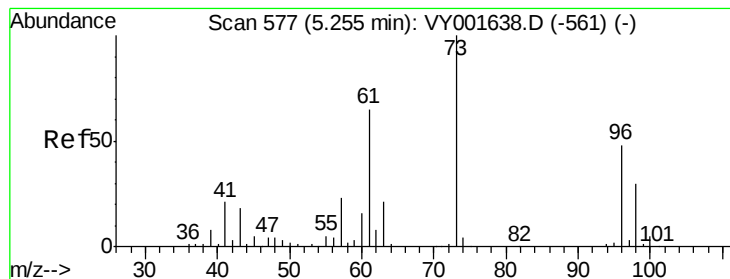
MMDadoda
2/19/2020 10:49:24 AM



#18
Methyl Acetate
Concen: 52.307 ug/l
RT: 4.51 min Scan# 455
Delta R.T. 0.00 min
Lab File: VY001661.D
Acq: 17 Feb 2020 20:48

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.1	19.1	28.7





#19

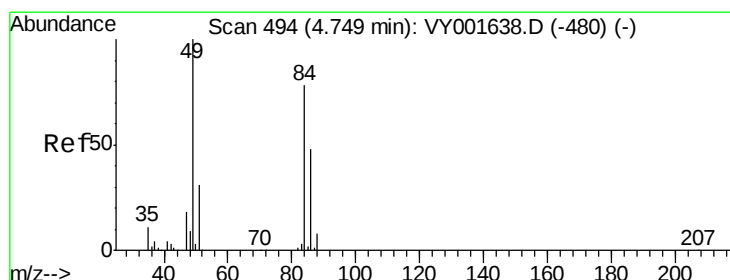
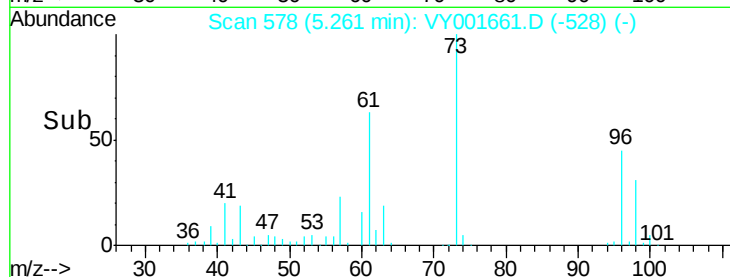
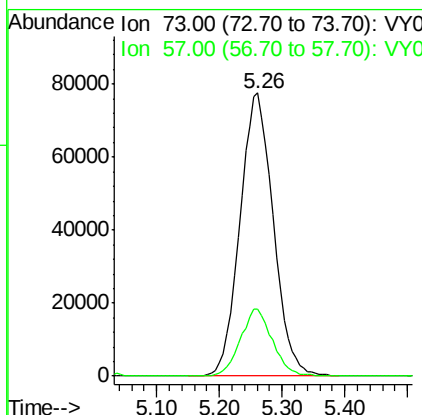
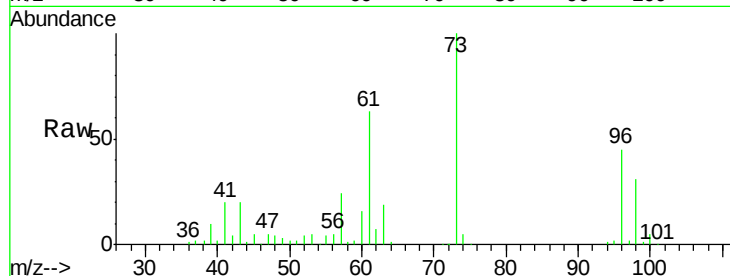
Methyl tert-butyl Ether
 Concen: 53.489 ug/l
 RT: 5.26 min Scan# 578
 Delta R.T. 0.01 min
 Lab File: VY001661.D
 Acq: 17 Feb 2020 20:48

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.6	19.0	28.6

Manual Integrations
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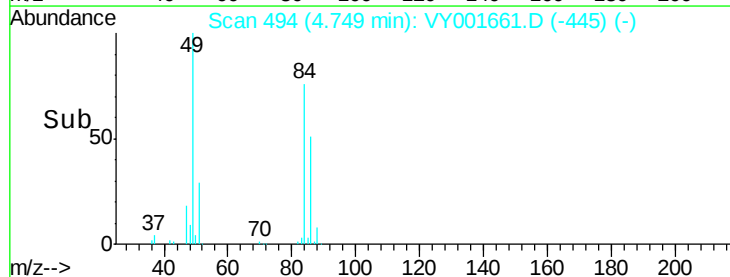
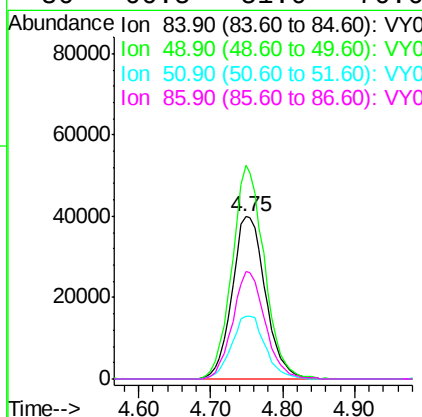
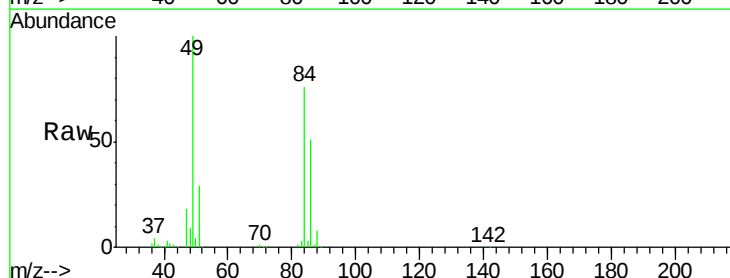
MMDadoda
 2/19/2020 10:49:24 AM

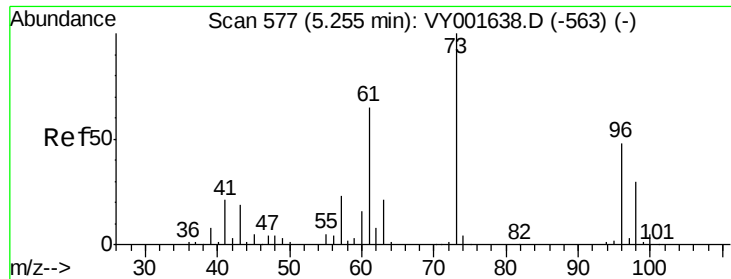


#20

Methylene Chloride
 Concen: 55.003 ug/l
 RT: 4.75 min Scan# 494
 Delta R.T. 0.00 min
 Lab File: VY001661.D
 Acq: 17 Feb 2020 20:48

Tgt Ion	Ratio	Lower	Upper
84	100		
49	131.5	99.2	148.8
51	38.8	31.5	47.3
86	66.5	51.0	76.6





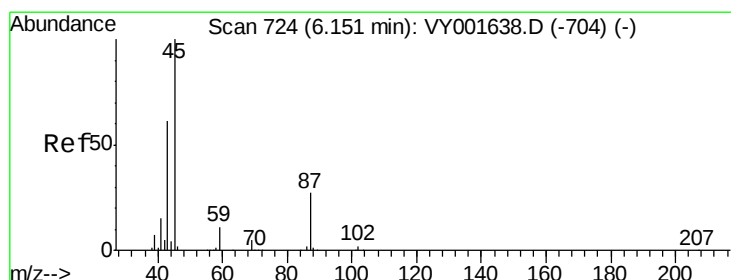
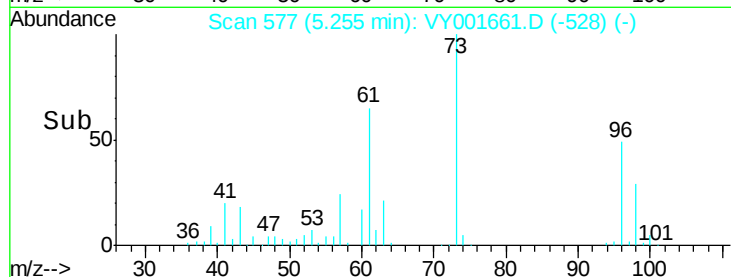
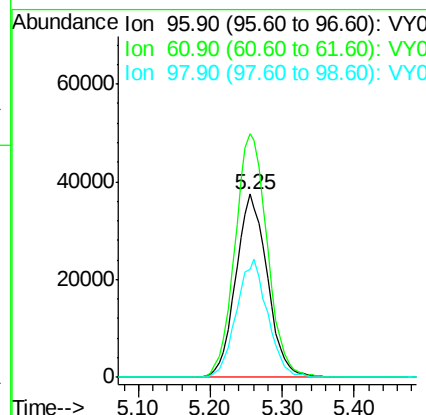
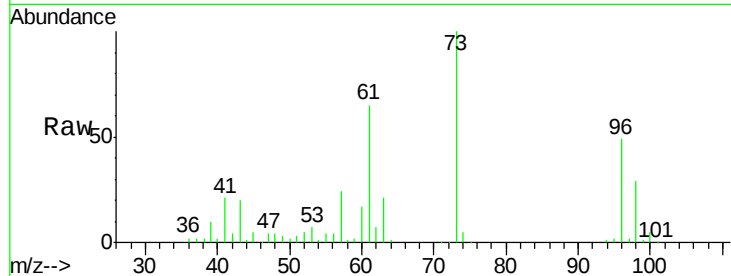
#21
trans-1,2-Dichloroethene
Concen: 52.193 ug/l
RT: 5.25 min Scan# 577
Delta R.T. 0.00 min
Lab File: VY001661.D
Acq: 17 Feb 2020 20:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	132.9	107.9	161.9
98	58.8	49.8	74.8

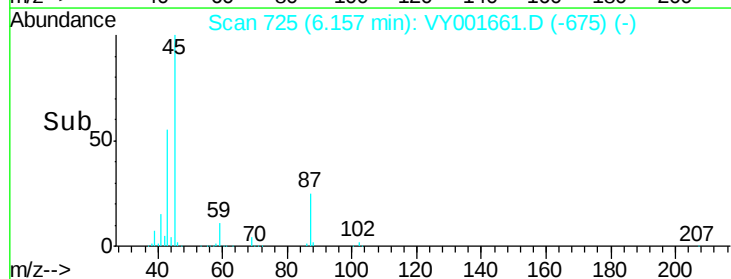
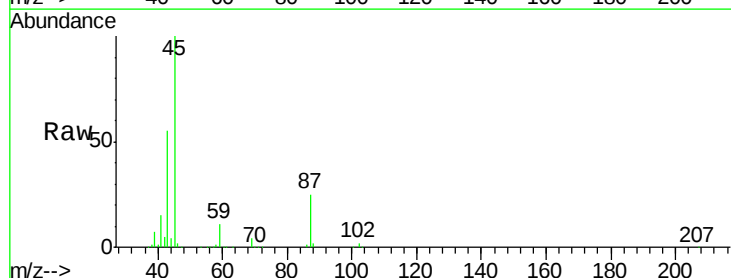
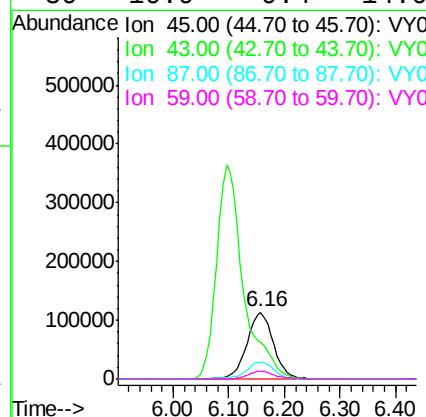
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#22
Diisopropyl ether
Concen: 53.951 ug/l
RT: 6.16 min Scan# 725
Delta R.T. 0.01 min
Lab File: VY001661.D
Acq: 17 Feb 2020 20:48

Tgt Ion	Ratio	Lower	Upper
45	100		
43	54.6	46.4	69.6
87	25.2	22.1	33.1
59	10.9	9.4	14.0





#23

Vinyl Acetate

Concen: 268.128 ug/l

RT: 6.10 min Scan# 715

Delta R.T. 0.00 min

Lab File: VY001661.D

Acq: 17 Feb 2020 20:48

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1222834

Ion Ratio Lower Upper

43 100

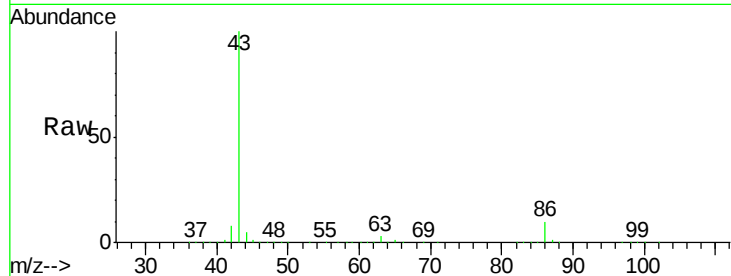
86 10.0 8.8 13.2

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

6.10

400000

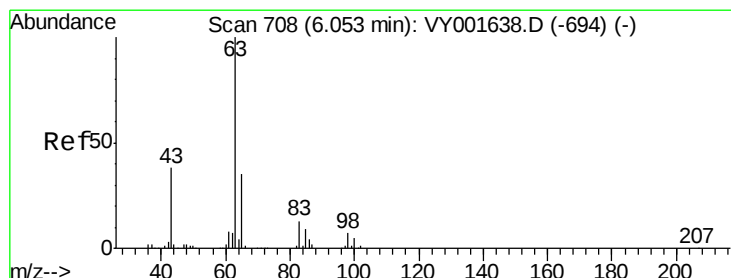
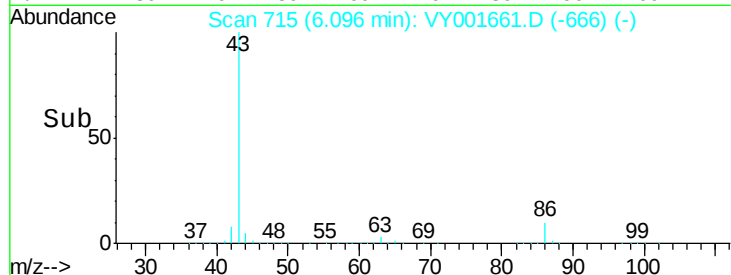
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 52.214 ug/l

RT: 6.05 min Scan# 708

Delta R.T. 0.00 min

Lab File: VY001661.D

Acq: 17 Feb 2020 20:48

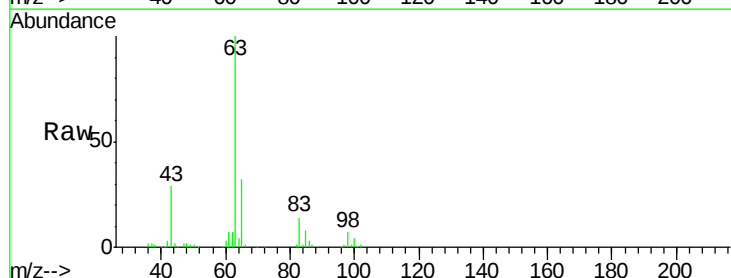
Tgt Ion: 63 Resp: 195119

Ion Ratio Lower Upper

63 100

98 7.1 3.4 10.2

100 4.2 2.3 6.9



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0

6.05

80000

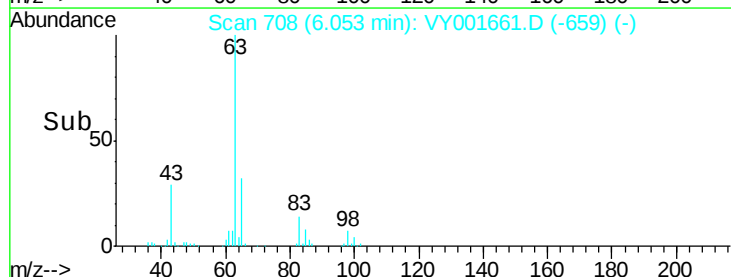
60000

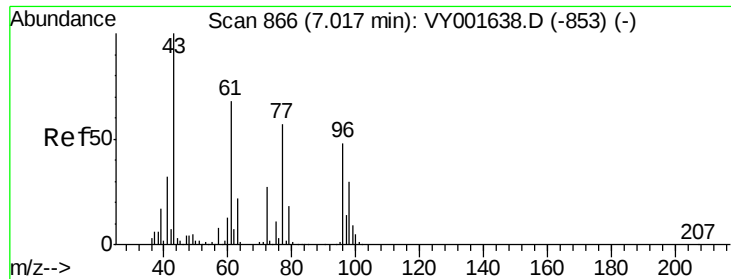
40000

20000

0

Time-->





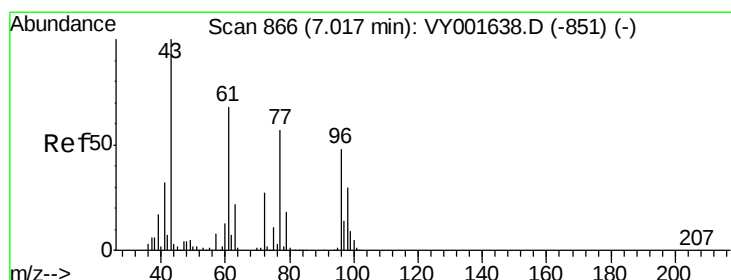
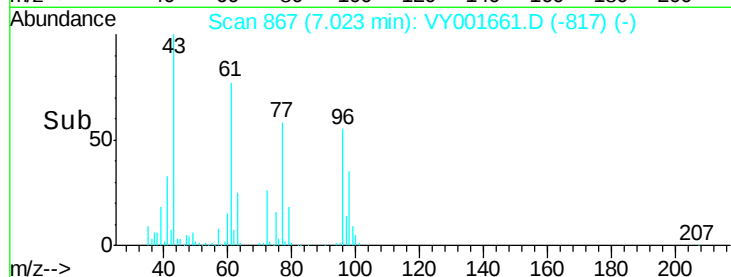
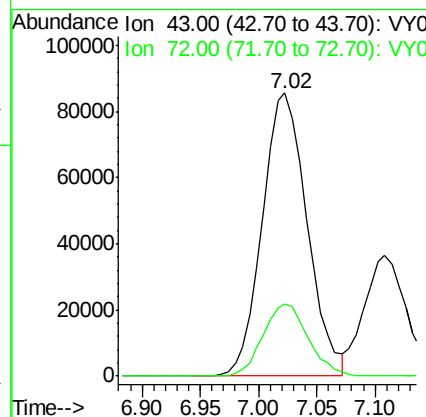
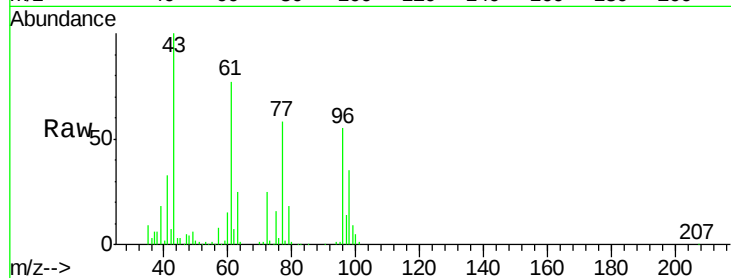
#25
2-Butanone
Concen: 255.647 ug/l
RT: 7.02 min Scan# 867
Delta R.T. 0.01 min
Lab File: VY001661.D
Acq: 17 Feb 2020 20:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 227889
Ion Ratio Lower Upper
43 100
72 25.5 21.2 31.8

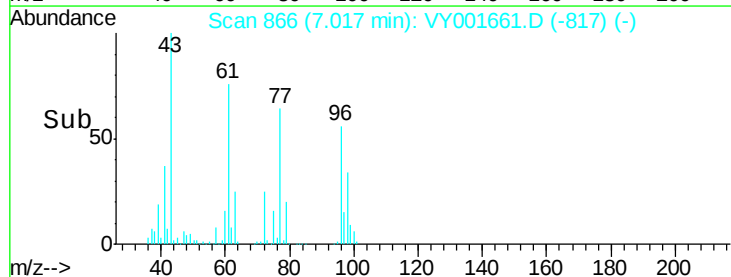
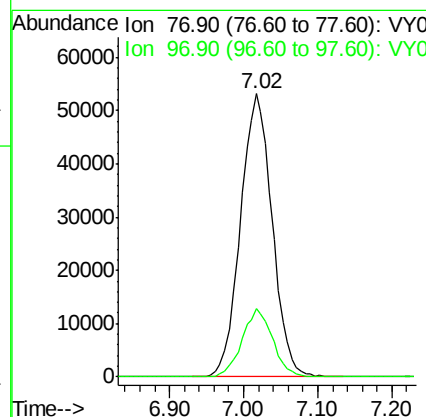
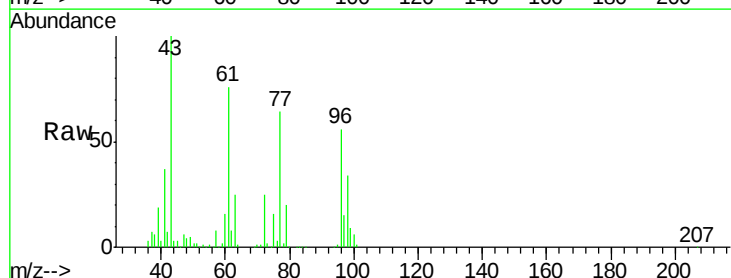
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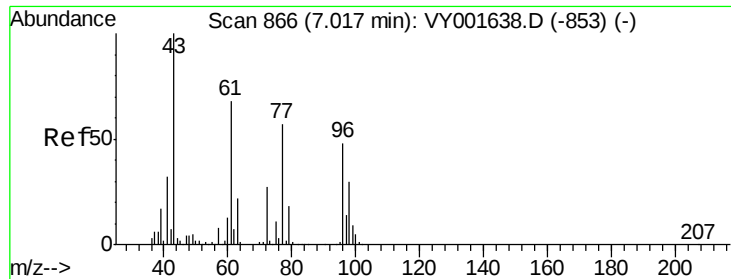
MMDadoda
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#26
2,2-Dichloropropane
Concen: 48.664 ug/l
RT: 7.02 min Scan# 866
Delta R.T. 0.00 min
Lab File: VY001661.D
Acq: 17 Feb 2020 20:48

Tgt Ion: 77 Resp: 158216
Ion Ratio Lower Upper
77 100
97 23.2 11.8 35.4





#27

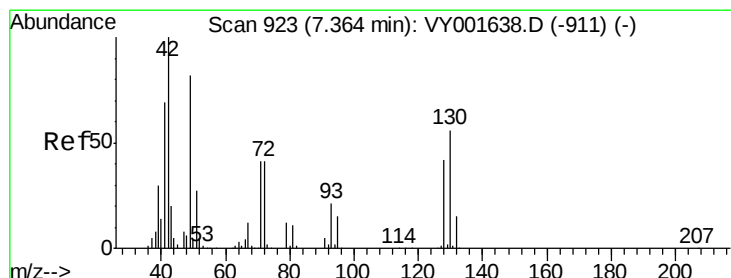
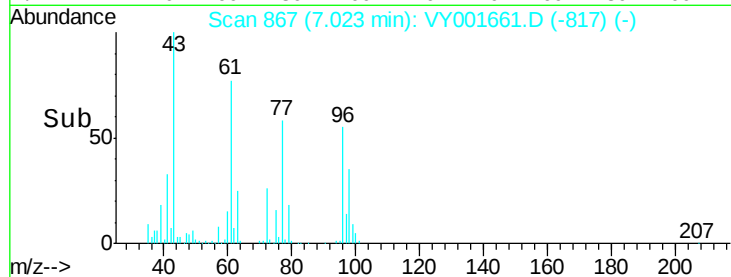
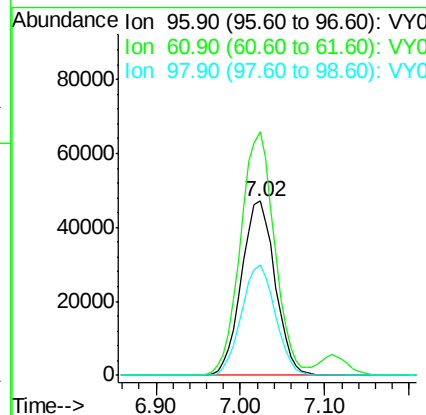
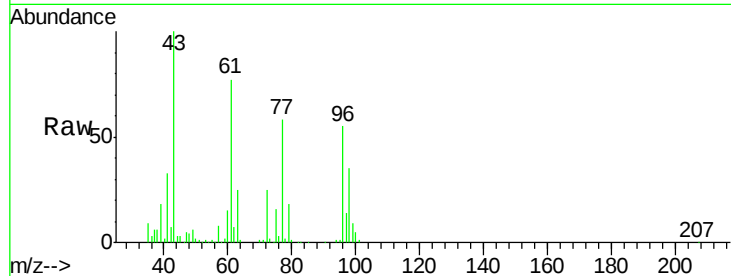
cis-1,2-Dichloroethene
Concen: 52.855 ug/l
RT: 7.02 min Scan# 867
Delta R.T. 0.01 min
Lab File: VY001661.D
Acq: 17 Feb 2020 20:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	127336		
61	141.3	0.0	290.8	
98	63.7	0.0	128.6	

Manual Integrations
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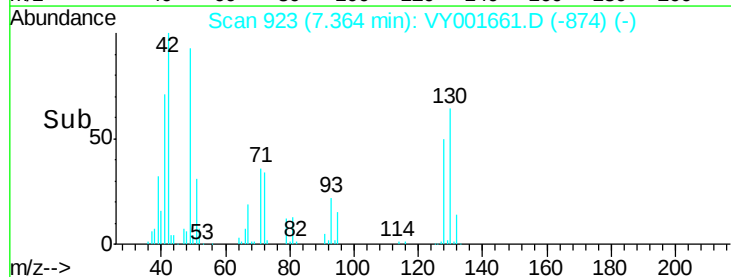
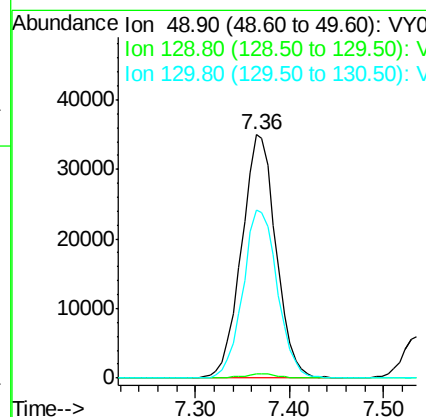
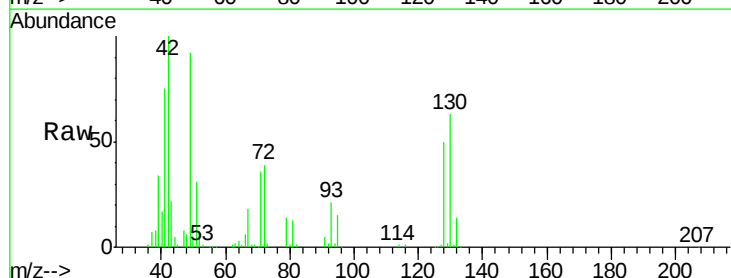
MMDadoda
2/19/2020 10:49:24 AM

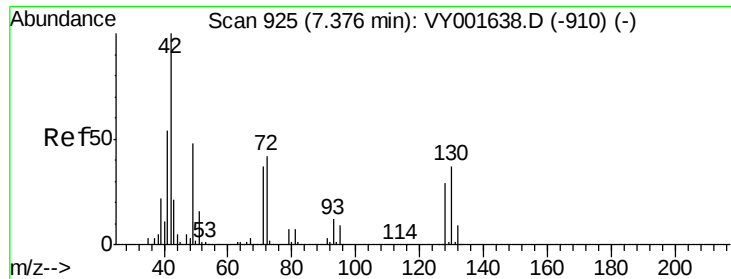


#28

Bromochloromethane
Concen: 57.130 ug/l
RT: 7.36 min Scan# 923
Delta R.T. 0.00 min
Lab File: VY001661.D
Acq: 17 Feb 2020 20:48

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	88932		
129	1.8	0.0	3.6	
130	69.5	56.2	84.4	





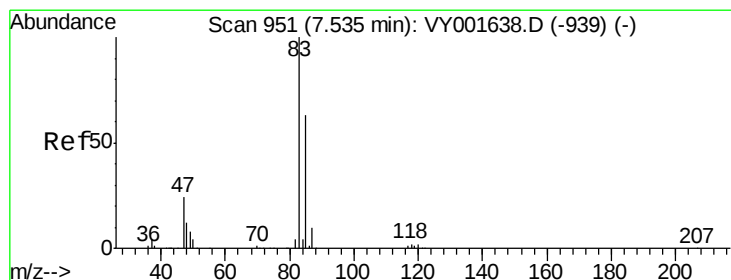
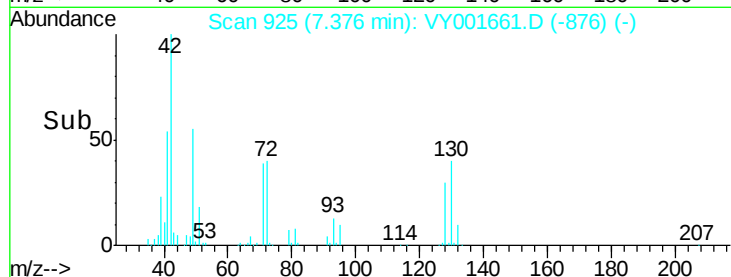
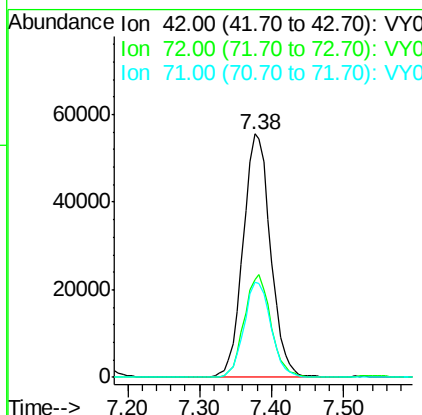
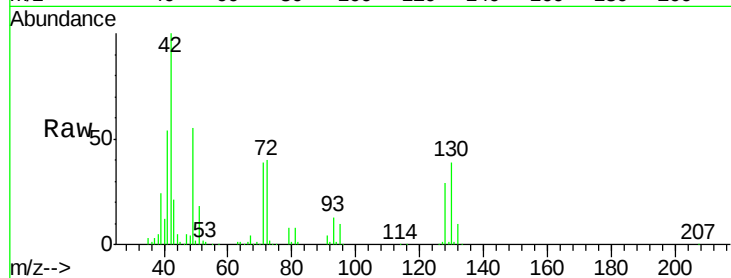
#29
Tetrahydrofuran
Concen: 273.793 ug/l
RT: 7.38 min Scan# 925
Delta R.T. 0.00 min
Lab File: VY001661.D
Acq: 17 Feb 2020 20:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.0	34.4	51.6
71	38.2	31.8	47.8

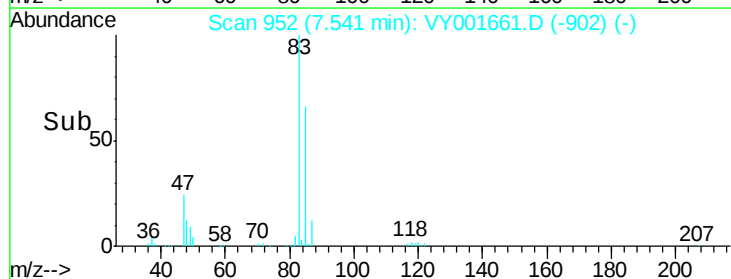
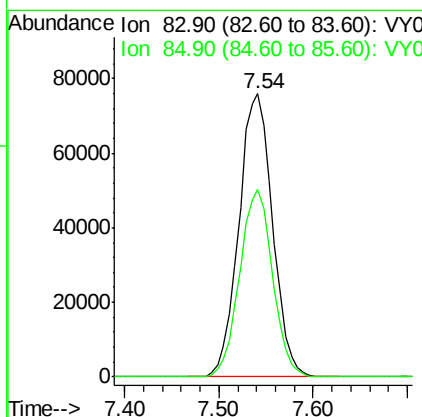
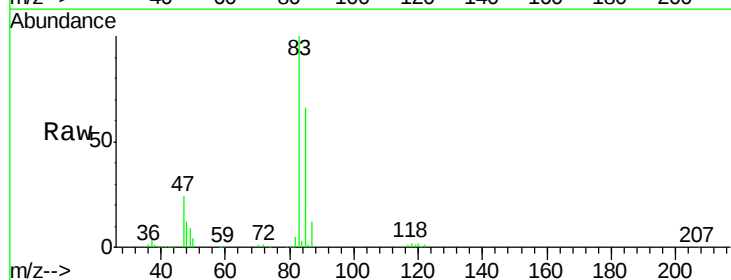
Manual Integrations
APPROVED

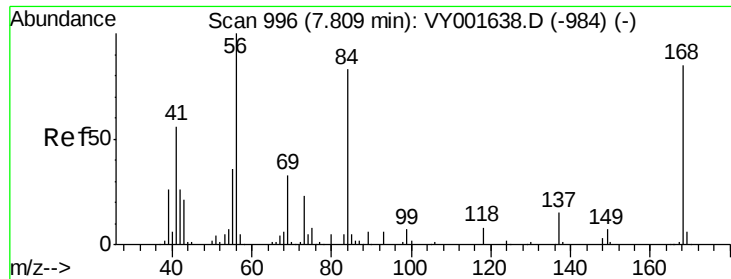
MMDadoda
2/19/2020 10:49:24 AM



#30
Chloroform
Concen: 51.948 ug/l
RT: 7.54 min Scan# 952
Delta R.T. 0.01 min
Lab File: VY001661.D
Acq: 17 Feb 2020 20:48

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.0	51.6	77.4





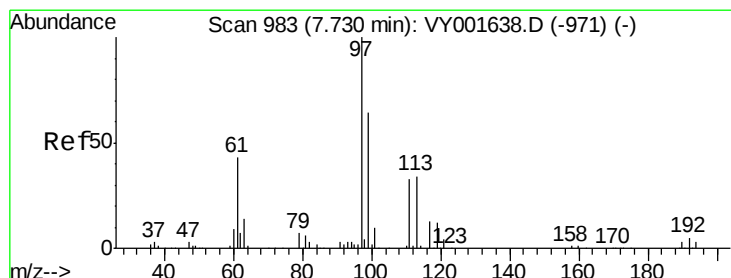
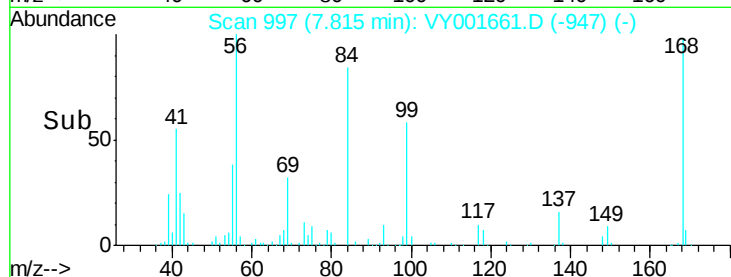
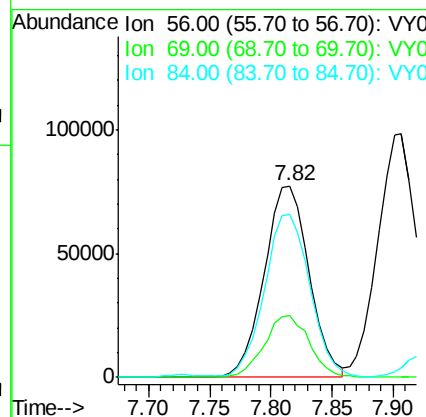
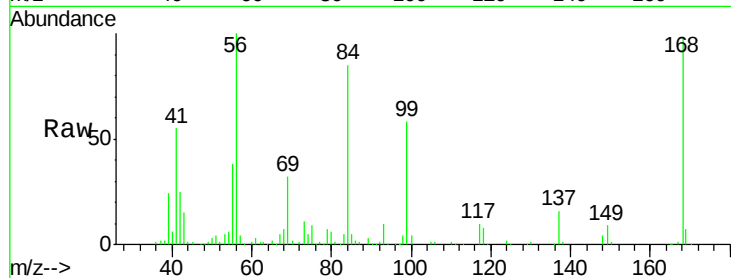
#31
Cyclohexane
Concen: 49.582 ug/l
RT: 7.82 min Scan# 997
Delta R.T. 0.01 min
Lab File: VY001661.D
Acq: 17 Feb 2020 20:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.0	25.1	37.7
84	83.7	66.9	100.3

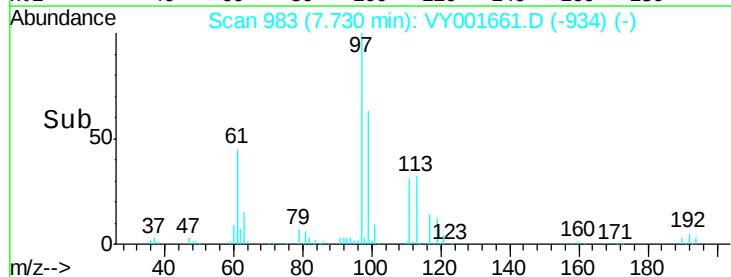
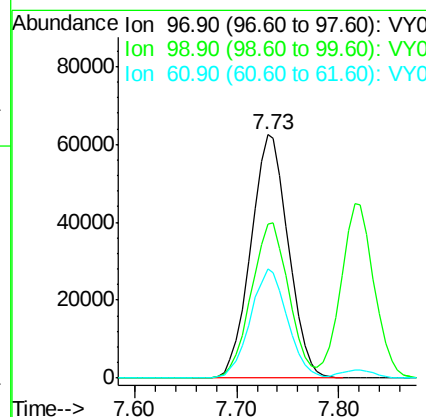
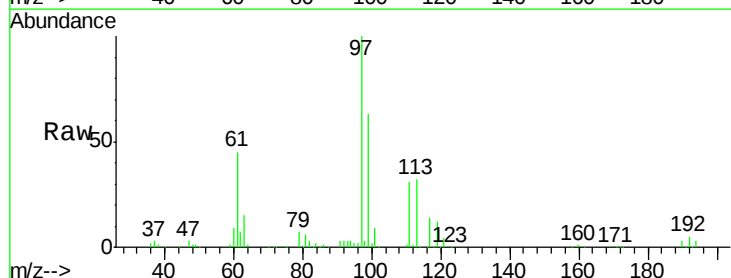
Manual Integrations
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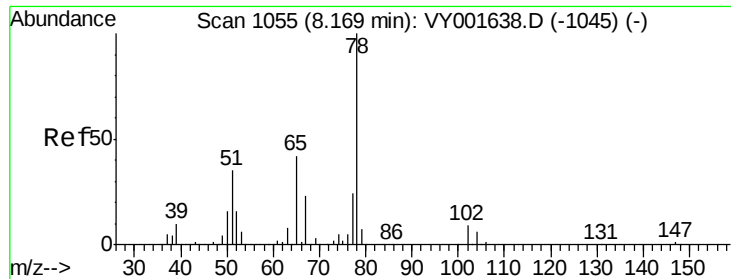
MMDadoda
2/19/2020 10:49:24 AM



#32
1,1,1-Trichloroethane
Concen: 52.046 ug/l
RT: 7.73 min Scan# 983
Delta R.T. 0.00 min
Lab File: VY001661.D
Acq: 17 Feb 2020 20:48

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.2	76.8
61	44.5	35.0	52.6





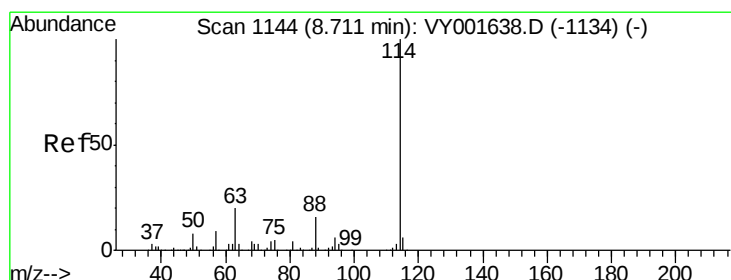
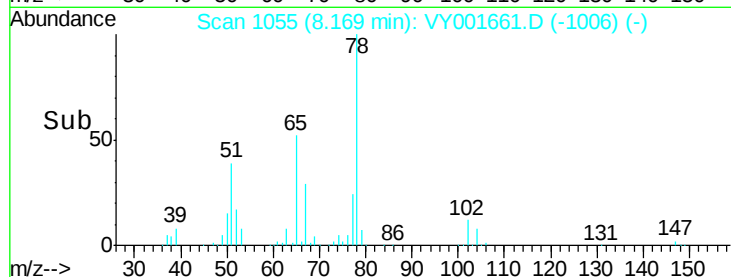
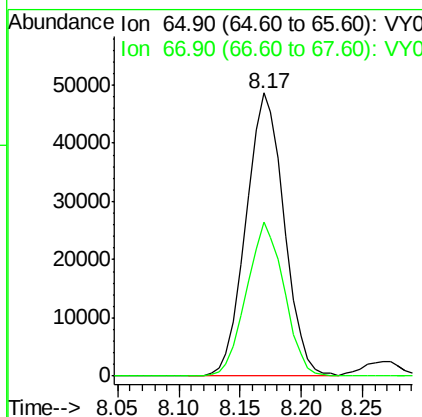
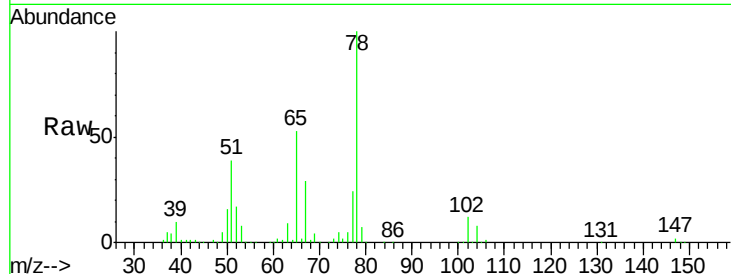
#33
 1,2-Dichloroethane-d4
 Concen: 55.615 ug/l
 RT: 8.17 min Scan# 1055
 Delta R.T. 0.00 min
 Lab File: VY001661.D
 Acq: 17 Feb 2020 20:48

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.8	0.0	111.0	

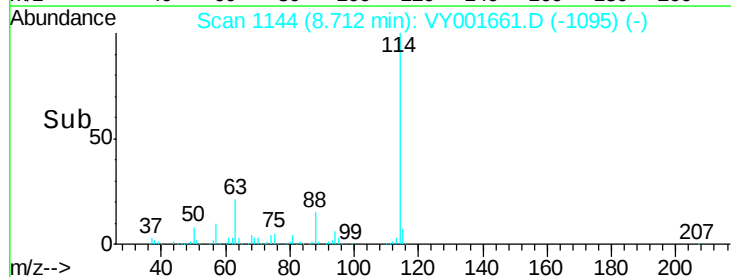
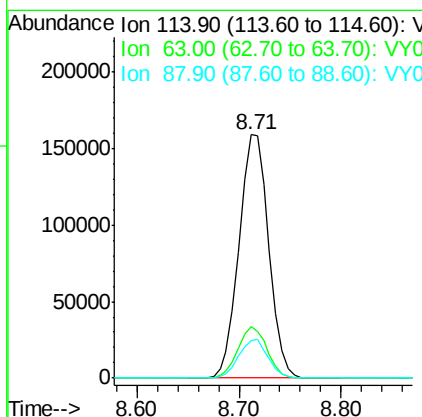
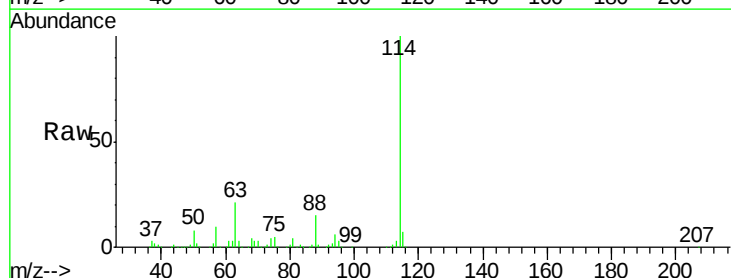
Manual Integrations
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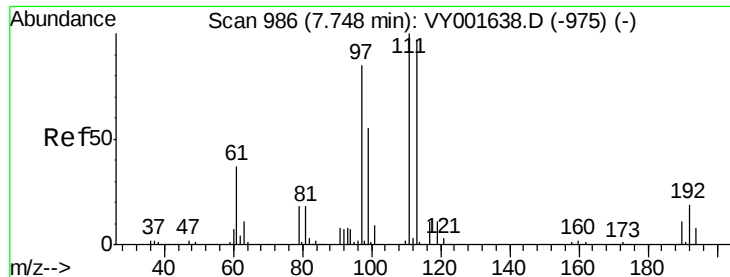
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1144
 Delta R.T. 0.00 min
 Lab File: VY001661.D
 Acq: 17 Feb 2020 20:48

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	21.2	0.0	41.4	
88	15.4	0.0	32.8	





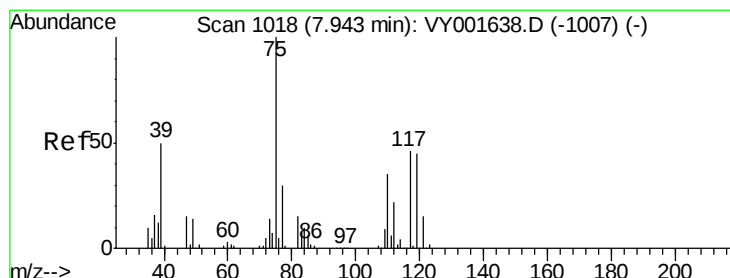
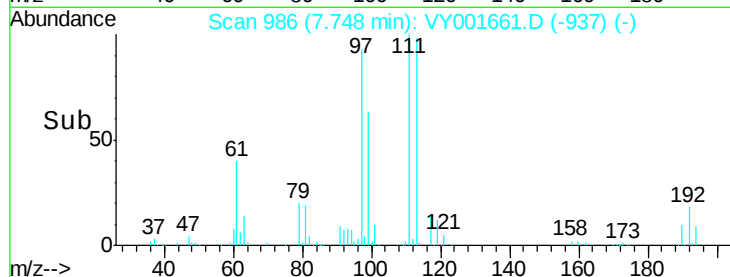
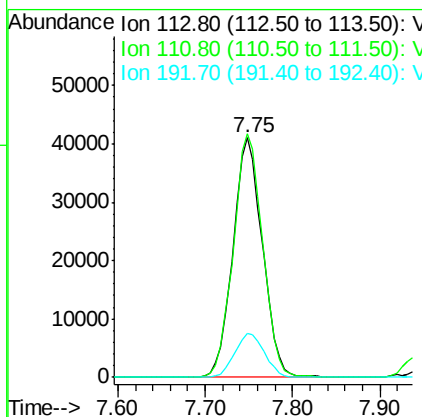
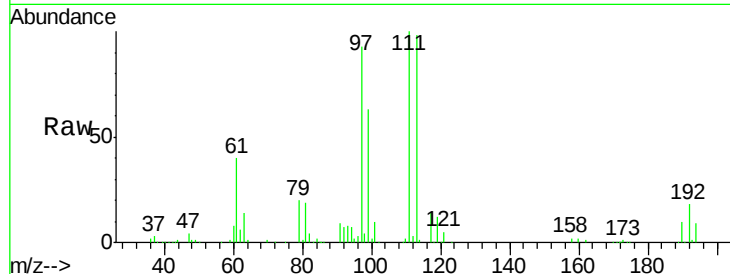
#35
 Dibromofluoromethane
 Concen: 52.323 ug/l
 RT: 7.75 min Scan# 986
 Delta R.T. 0.00 min
 Lab File: VY001661.D
 Acq: 17 Feb 2020 20:48

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	96126		
111	101.2	81.9	122.9	
192	18.6	14.3	21.5	

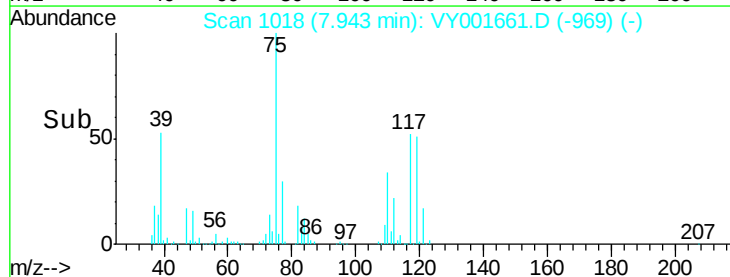
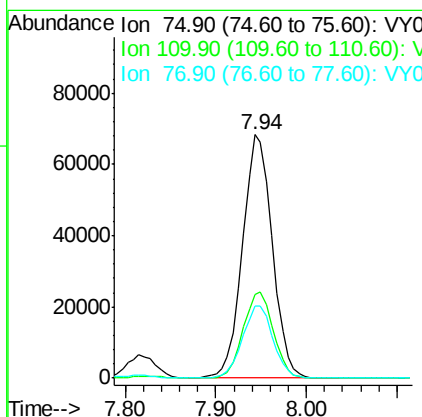
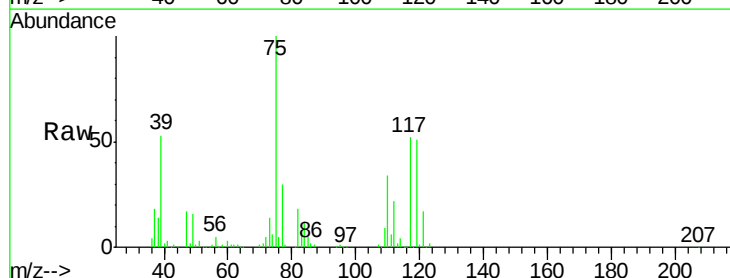
Manual Integrations
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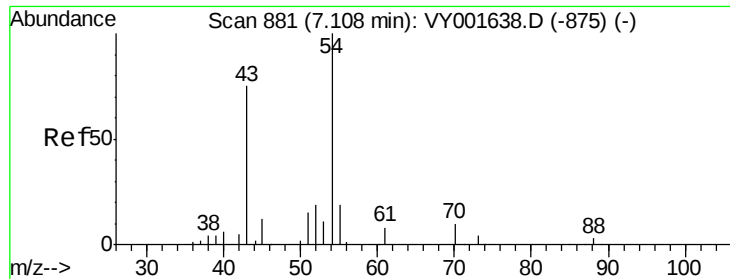
MMDadoda
 2/19/2020 10:49:24 AM



#36
 1,1-Dichloropropene
 Concen: 50.665 ug/l
 RT: 7.94 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VY001661.D
 Acq: 17 Feb 2020 20:48

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	155233		
110	35.8	17.2	51.6	
77	30.6	24.8	37.2	





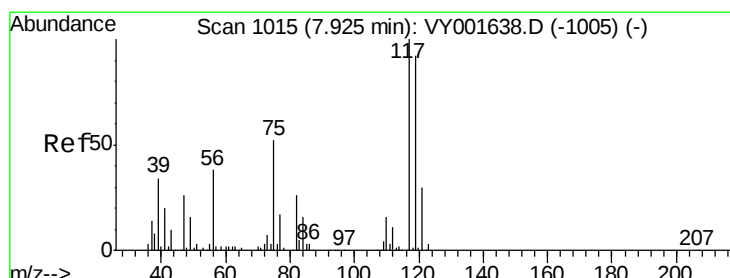
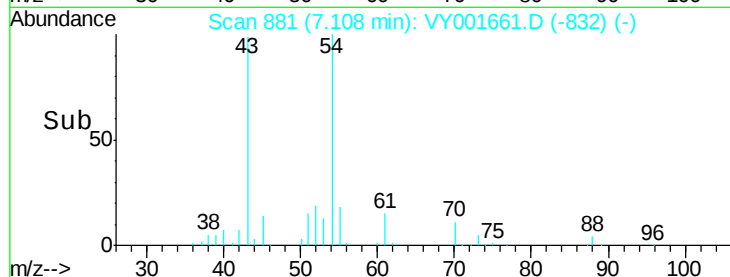
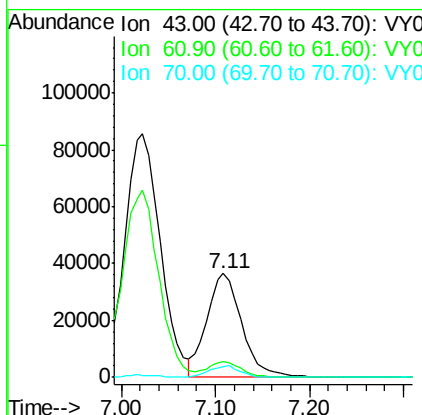
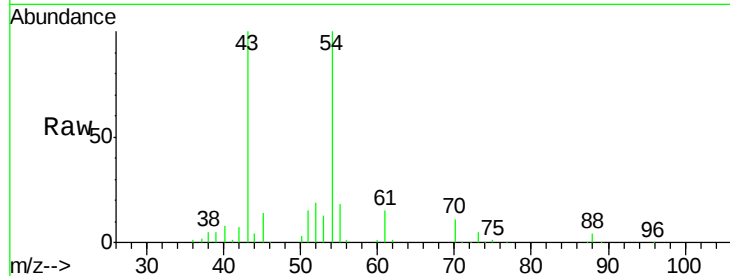
#37
Ethyl Acetate
Concen: 51.541 ug/l
RT: 7.11 min Scan# 881
Delta R.T. 0.00 min
Lab File: VY001661.D
Acq: 17 Feb 2020 20:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.0	16.6
70	10.4	8.8	13.2

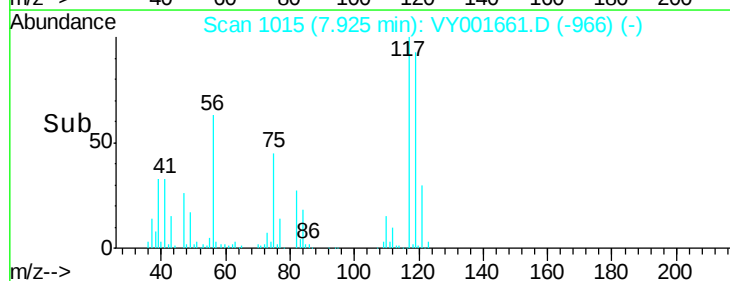
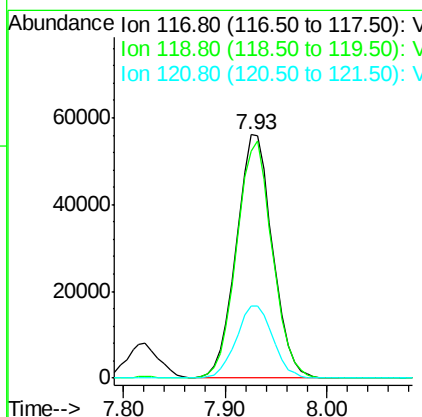
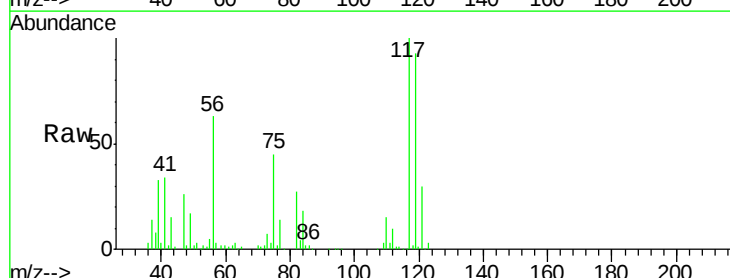
Manual Integrations
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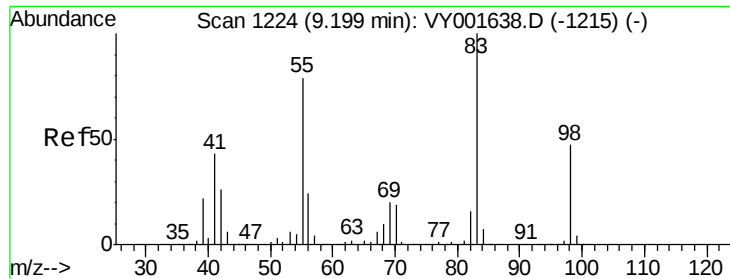
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#38
Carbon Tetrachloride
Concen: 51.292 ug/l
RT: 7.93 min Scan# 1015
Delta R.T. 0.00 min
Lab File: VY001661.D
Acq: 17 Feb 2020 20:48

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.5	74.8	112.2
121	29.6	23.8	35.6





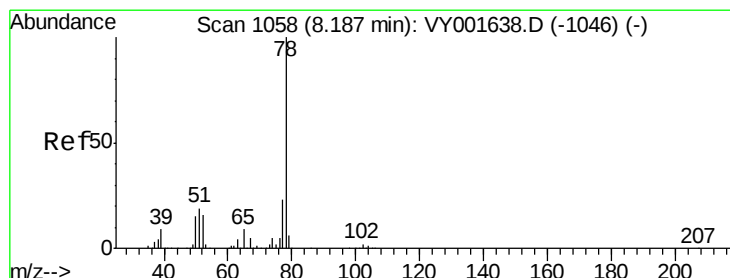
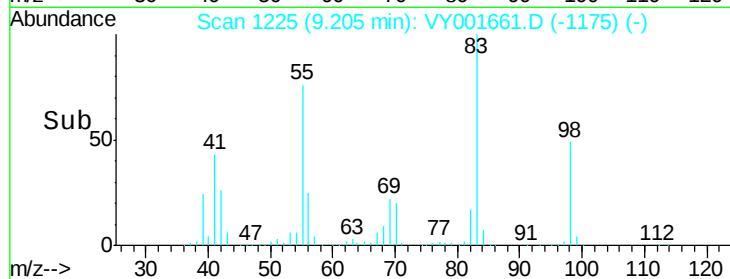
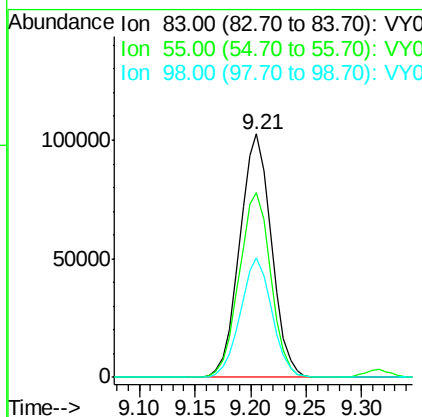
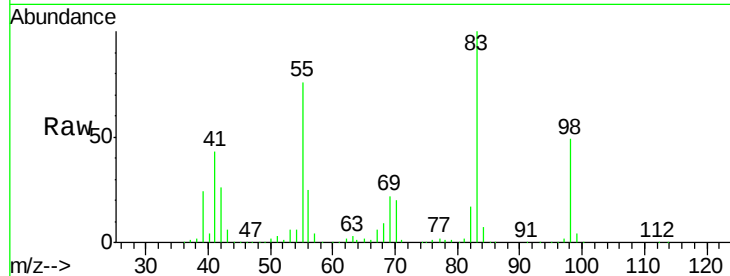
#39
Methvlcvclohexane
Concen: 49.939 ug/l
RT: 9.21 min Scan# 1225
Delta R.T. 0.01 min
Lab File: VY001661.D
Acq: 17 Feb 2020 20:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	202988		
55	75.7	61.3	91.9	
98	49.1	38.0	57.0	

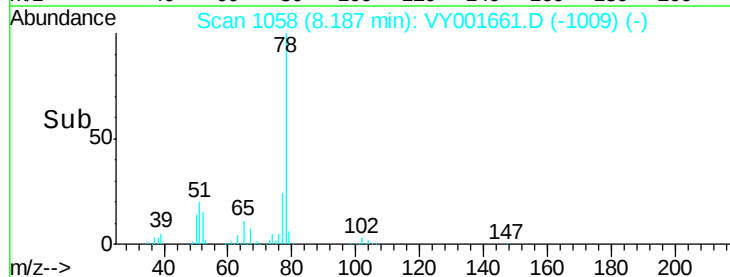
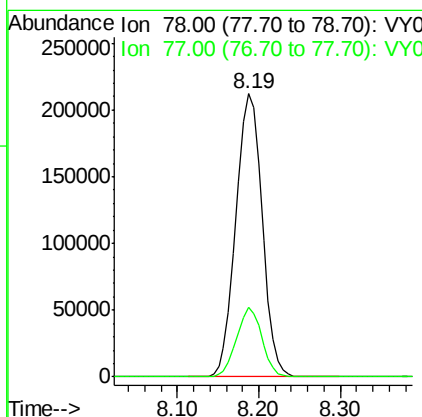
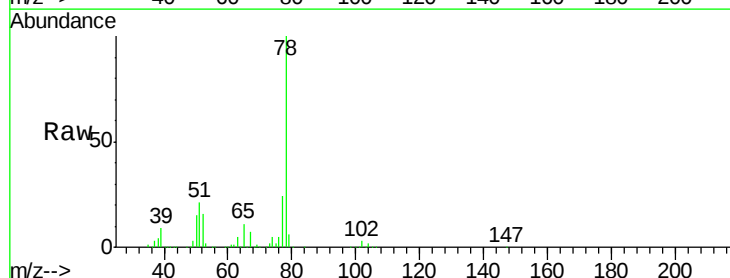
Manual Integrations
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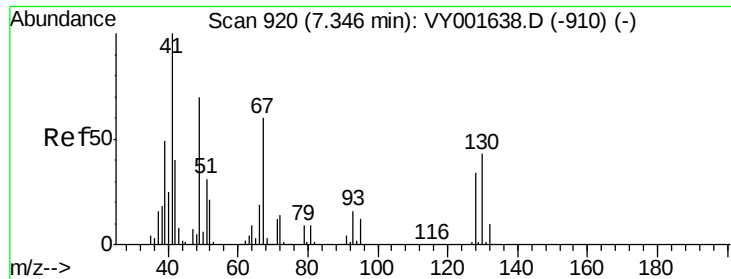
MMDadoda
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#40
Benzene
Concen: 52.397 ug/l
RT: 8.19 min Scan# 1058
Delta R.T. 0.00 min
Lab File: VY001661.D
Acq: 17 Feb 2020 20:48

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	472156		
77	24.4	18.2	27.4	





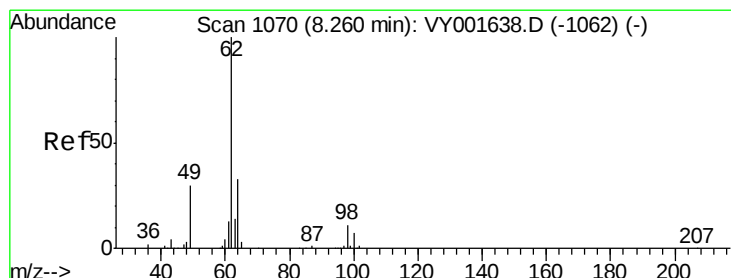
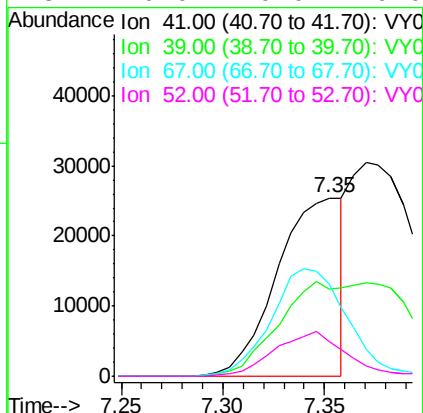
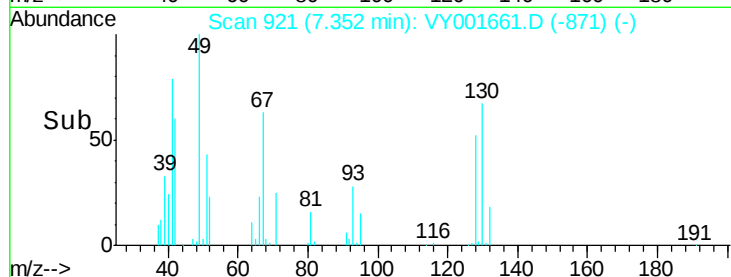
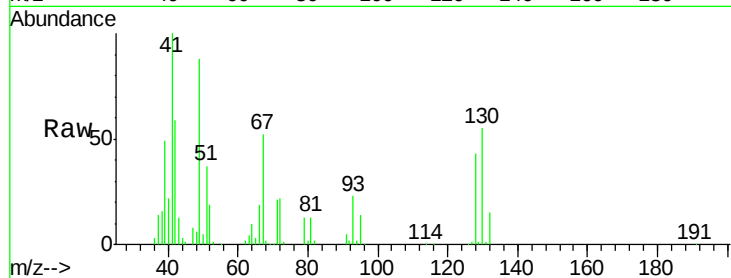
#41
Methacrylonitrile
Concen: 62.438 ug/l m
RT: 7.35 min Scan# 921
Delta R.T. 0.01 min
Lab File: VY001661.D
Acq: 17 Feb 2020 20:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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

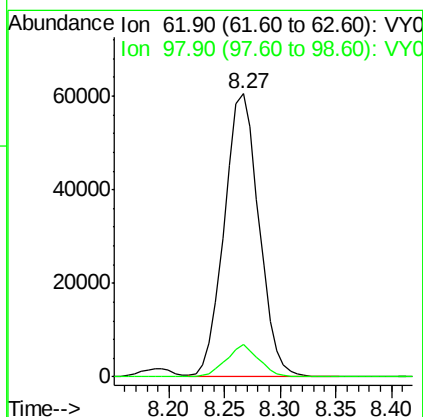
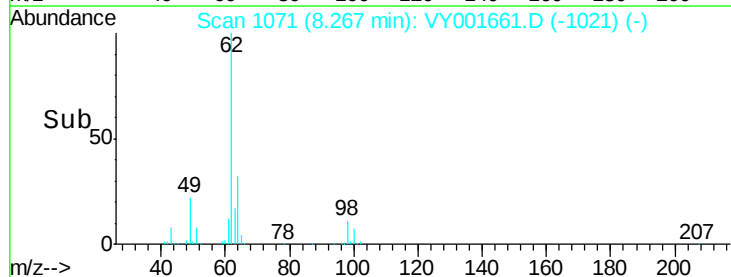
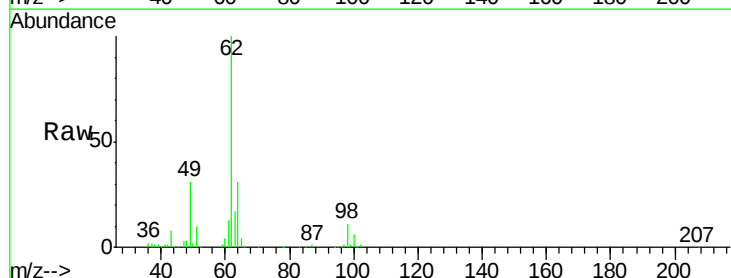
Manual Integrations
APPROVED

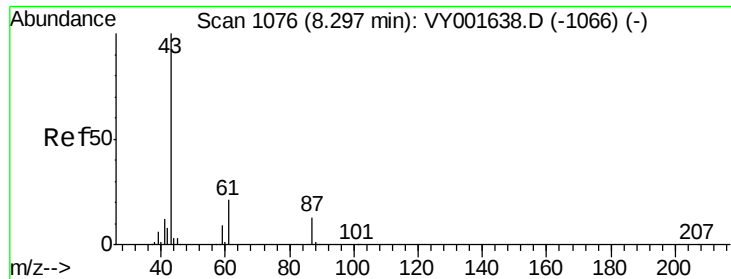
MMDadoda
2/19/2020 10:49:24 AM



#42
1,2-Dichloroethane
Concen: 53.293 ug/l
RT: 8.27 min Scan# 1071
Delta R.T. 0.01 min
Lab File: VY001661.D
Acq: 17 Feb 2020 20:48

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	20.8





#43

Isopropyl Acetate

Concen: 53.112 ug/l

RT: 8.30 min Scan# 1076

Delta R.T. 0.00 min

Lab File: VY001661.D

Acq: 17 Feb 2020 20:48

Instrument :

MSVOA_Y

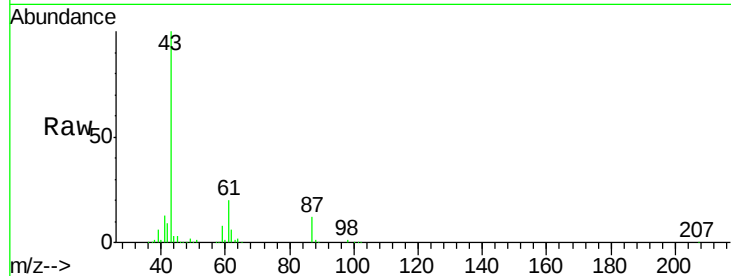
ClientSampleId :

VSTDCCC050EC

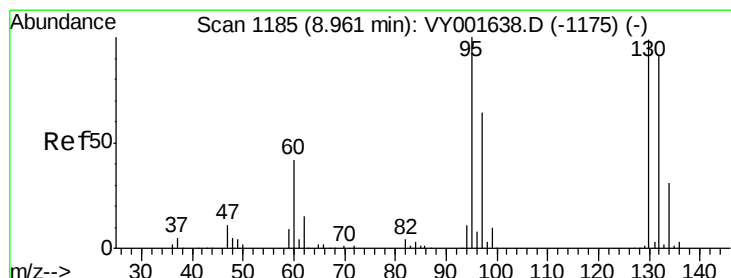
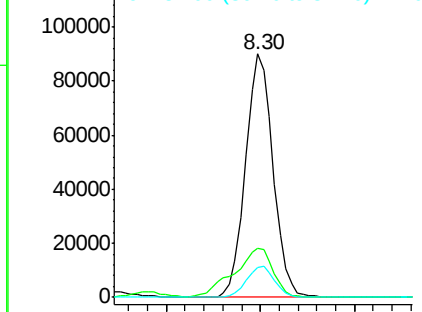
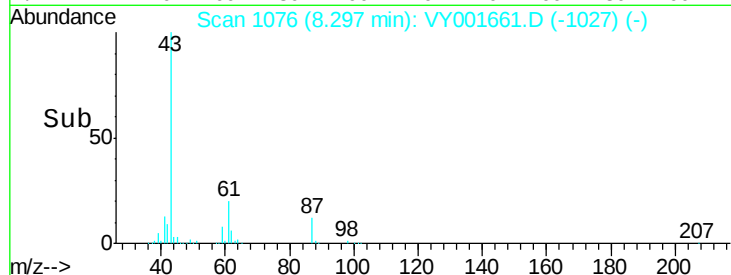
Tot Ion:	43	Resp:	184280
Ion	Ratio	Lower	Upper
43	100		
61	28.4	23.0	34.4
87	13.0	10.7	16.1

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Abundance Ion 43.00 (42.70 to 43.70): VY001661.D (-1027) (-)



#44

Trichloroethene

Concen: 51.490 ug/l

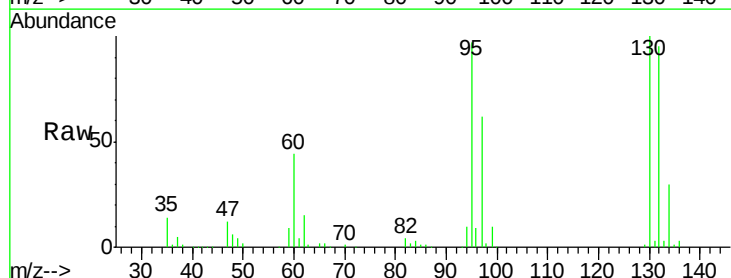
RT: 8.96 min Scan# 1185

Delta R.T. 0.00 min

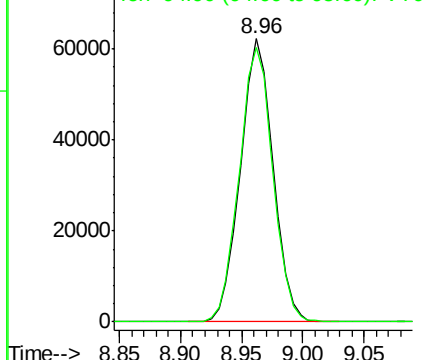
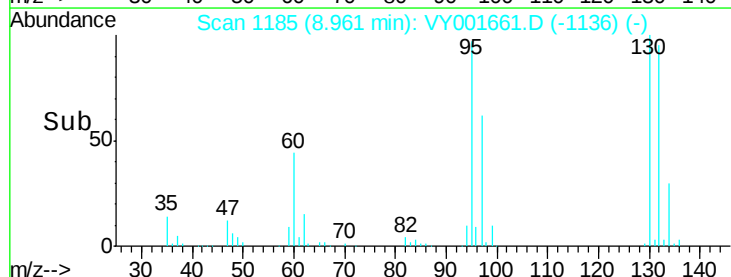
Lab File: VY001661.D

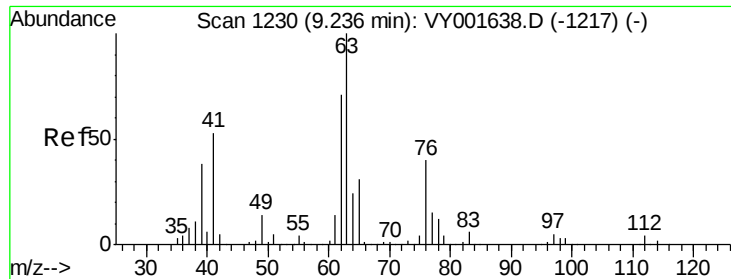
Acq: 17 Feb 2020 20:48

Tgt Ion:	130	Resp:	115823
Ion	Ratio	Lower	Upper
130	100		
95	96.7	0.0	200.6



Abundance Ion 129.80 (129.50 to 130.50): VY001661.D (-1136) (-)





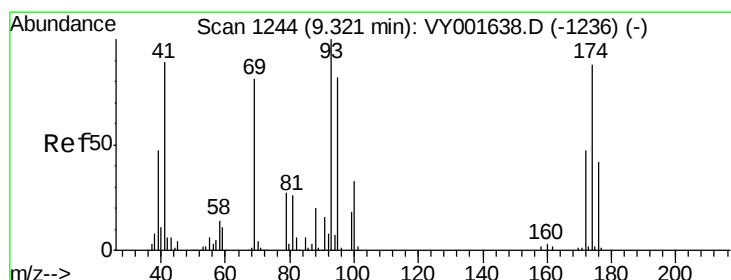
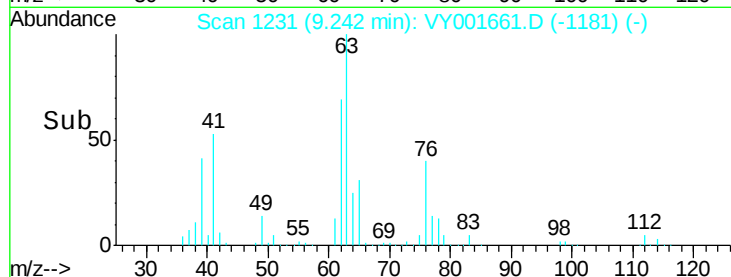
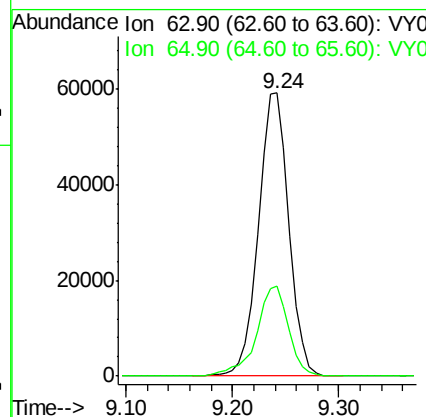
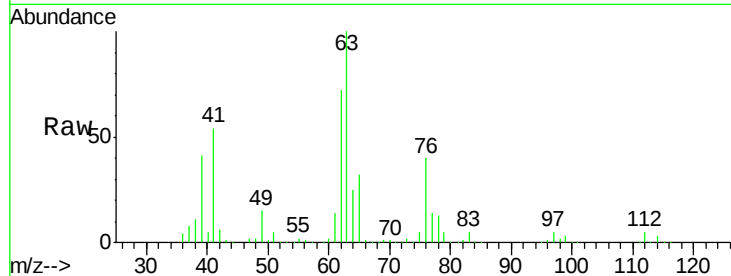
#45
 1,2-Dichloropropane
 Concen: 52.332 ug/l
 RT: 9.24 min Scan# 1231
 Delta R.T. 0.01 min
 Lab File: VY001661.D
 Acq: 17 Feb 2020 20:48

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 118098
 Ion Ratio Lower Upper
 63 100
 65 31.8 24.6 37.0

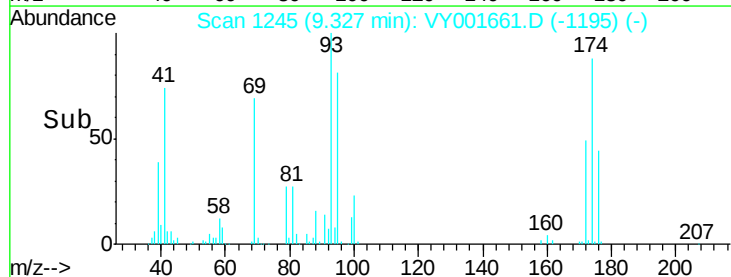
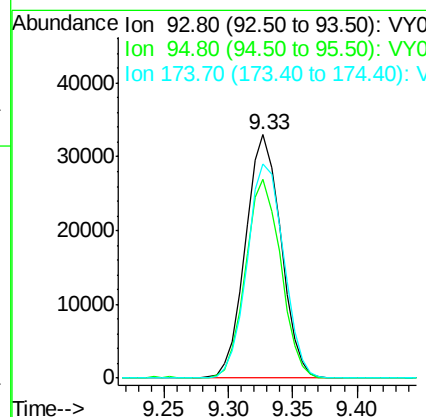
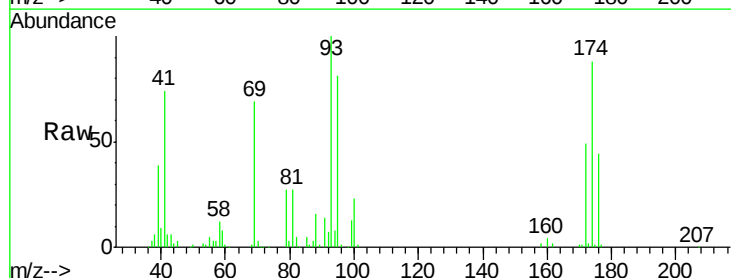
Manual Integrations
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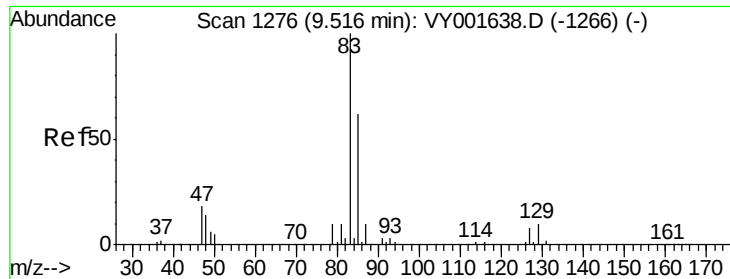
MMDadoda
 2/19/2020 10:49:24 AM



#46
 Dibromomethane
 Concen: 53.135 ug/l
 RT: 9.33 min Scan# 1245
 Delta R.T. 0.01 min
 Lab File: VY001661.D
 Acq: 17 Feb 2020 20:48

Tgt Ion: 93 Resp: 62718
 Ion Ratio Lower Upper
 93 100
 95 81.0 66.1 99.1
 174 90.6 72.5 108.7





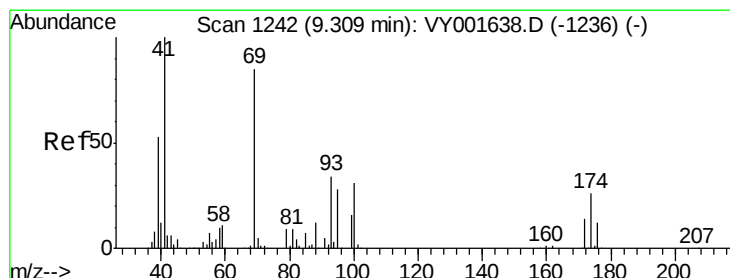
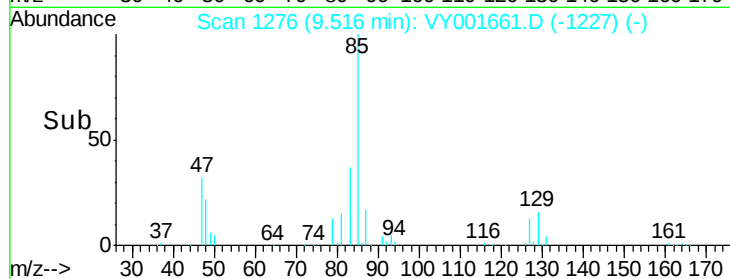
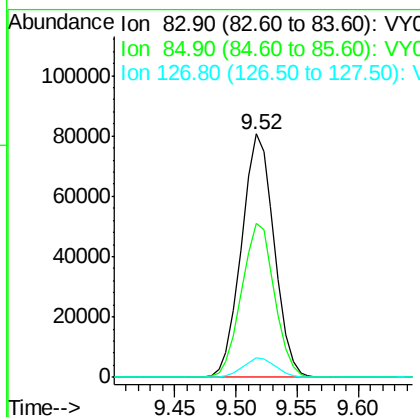
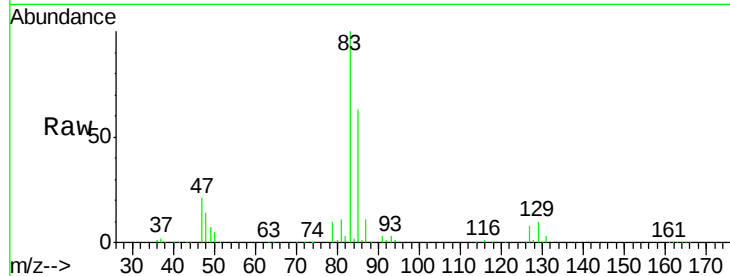
#47
Bromodichloromethane
Concen: 52.531 ug/l
RT: 9.52 min Scan# 1276
Delta R.T. 0.00 min
Lab File: VY001661.D
Acq: 17 Feb 2020 20:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	149647
Ion Ratio	100		
Lower	51.4		
Upper	77.0		
85	63.5		
127	8.0		

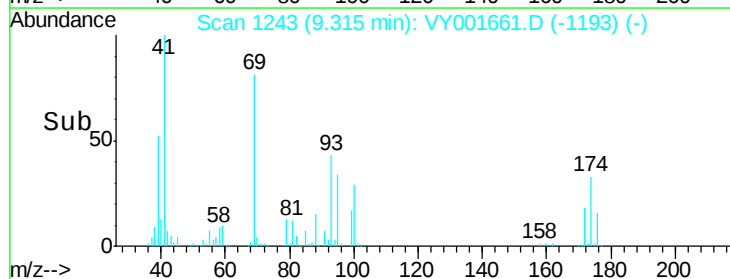
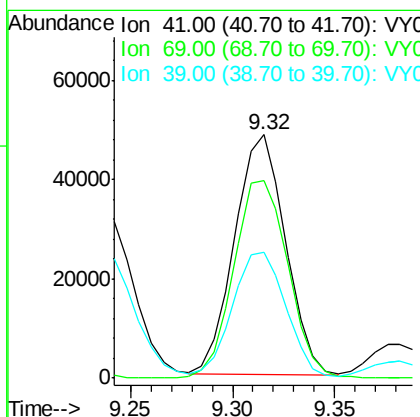
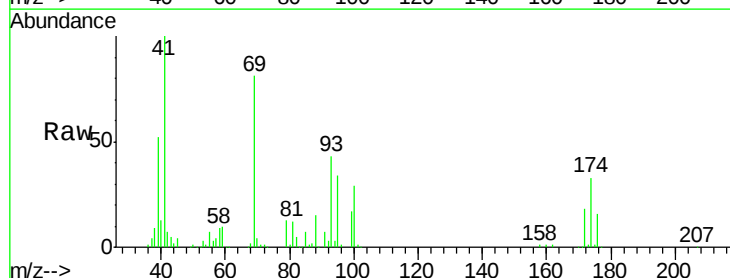
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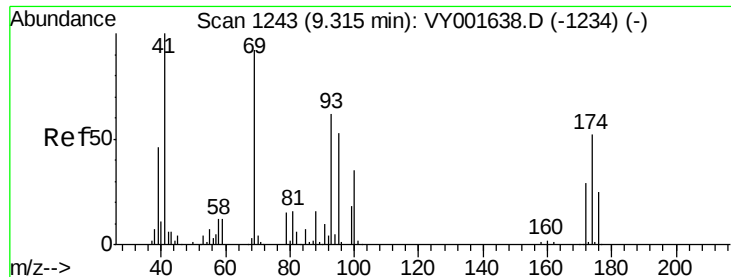
MMDadoda
2/19/2020 10:49:24 AM



#48
Methyl methacrylate
Concen: 53.486 ug/l
RT: 9.32 min Scan# 1243
Delta R.T. 0.01 min
Lab File: VY001661.D
Acq: 17 Feb 2020 20:48

Tgt Ion	41	Resp	83930
Ion Ratio	100		
Lower	70.7		
Upper	106.1		
69	87.9		
39	55.7		





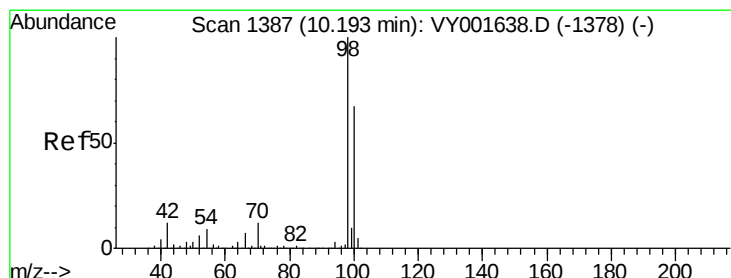
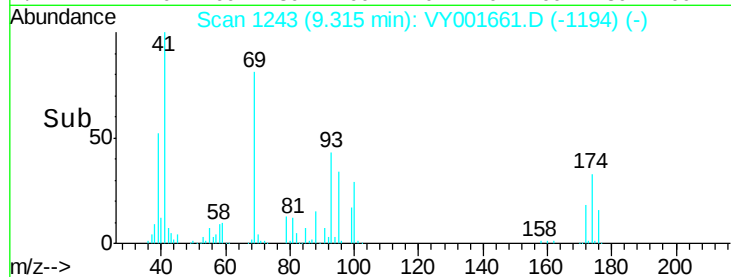
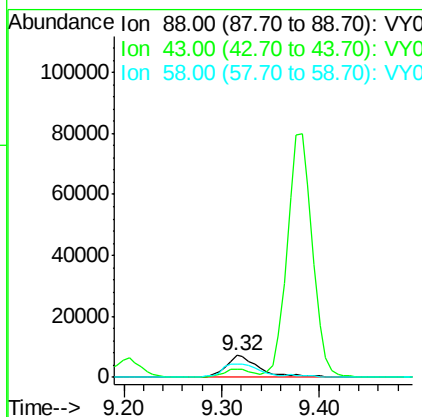
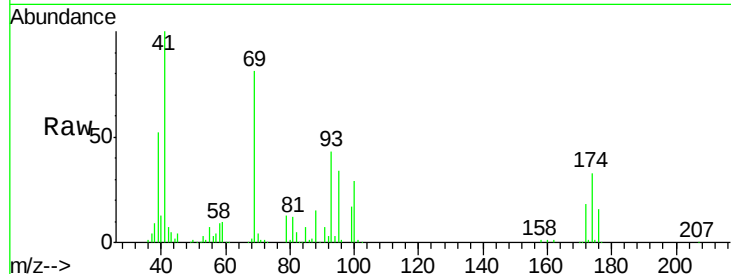
#49
1,4-Dioxane
Concen: 1027.037 ug/l
RT: 9.32 min Scan# 1243
Delta R.T. 0.00 min
Lab File: VY001661.D
Acq: 17 Feb 2020 20:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.2	23.1	34.7
58	77.2	58.1	87.1

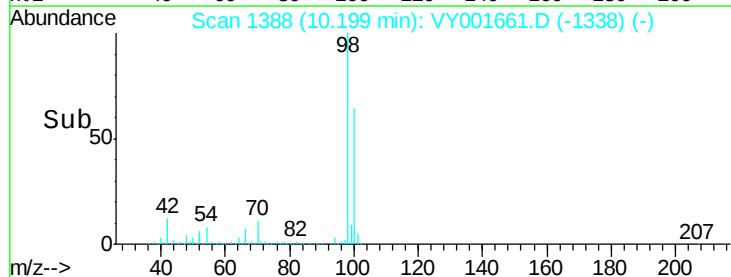
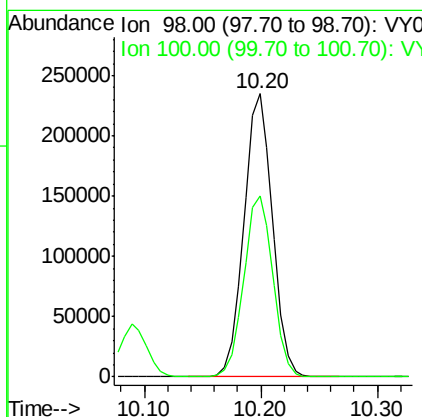
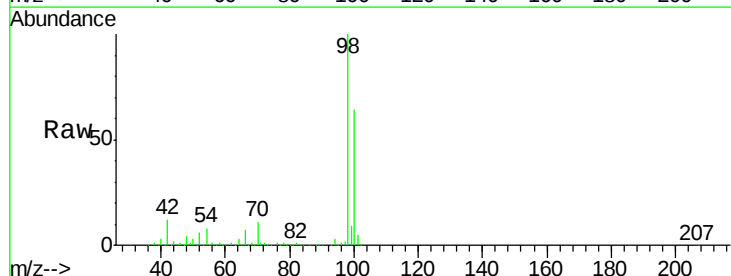
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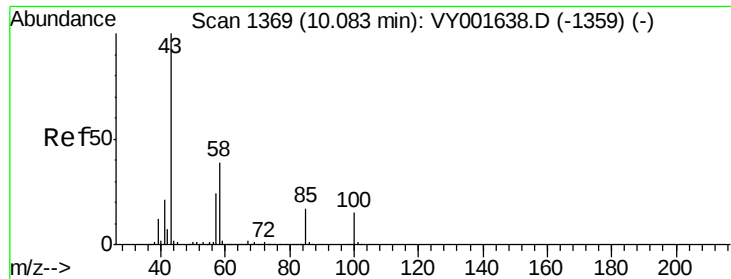
MMDadoda
2/19/2020 10:49:24 AM



#50
Toluene-d8
Concen: 55.647 ug/l
RT: 10.20 min Scan# 1388
Delta R.T. 0.01 min
Lab File: VY001661.D
Acq: 17 Feb 2020 20:48

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.9	53.0	79.4





#51

4-Methyl-2-Pentanone

Concen: 271.511 ug/l

RT: 10.09 min Scan# 1370

Delta R.T. 0.01 min

Lab File: VY001661.D

Acq: 17 Feb 2020 20:48

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 484017

Ion Ratio Lower Upper

43 100

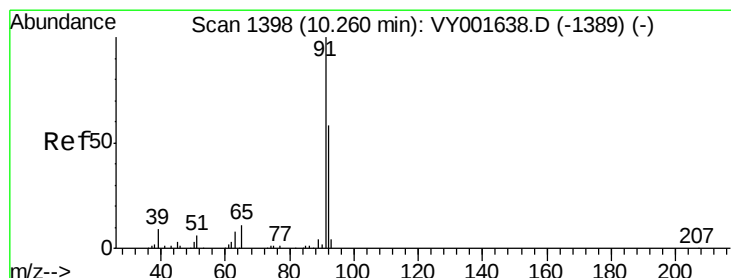
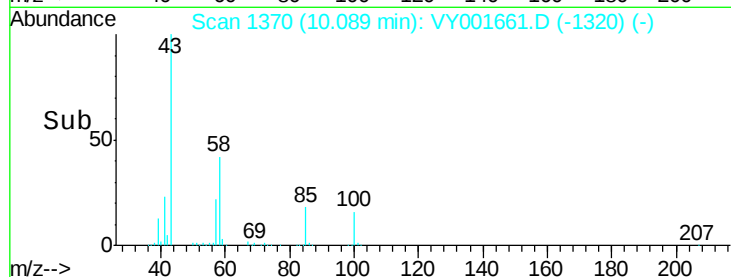
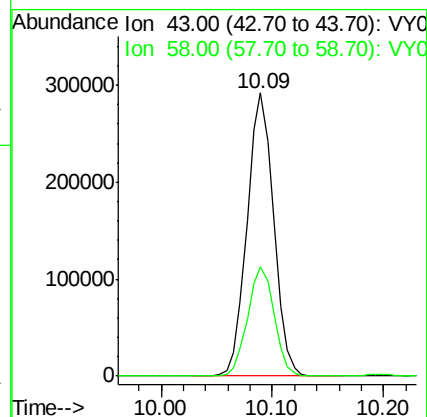
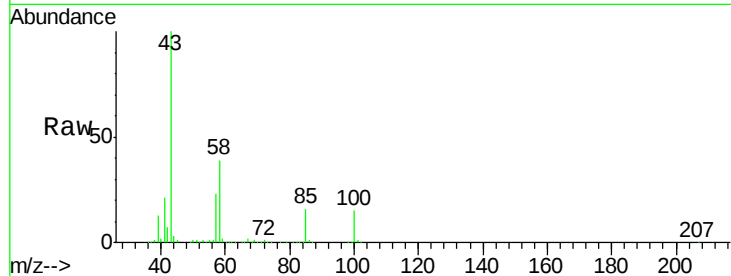
58 38.7 32.2 48.4

Manual Integrations

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#52

Toluene

Concen: 51.508 ug/l

RT: 10.26 min Scan# 1398

Delta R.T. 0.00 min

Lab File: VY001661.D

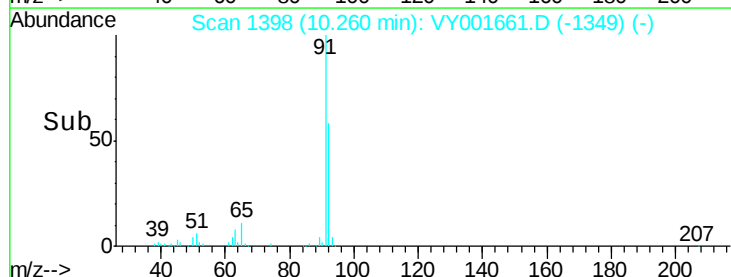
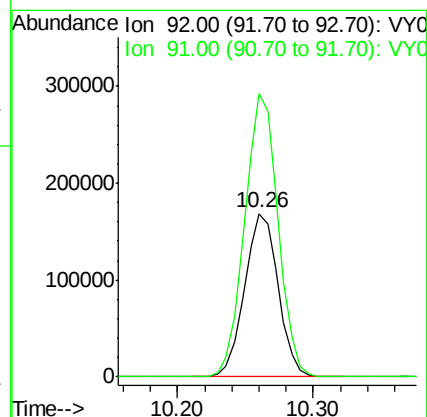
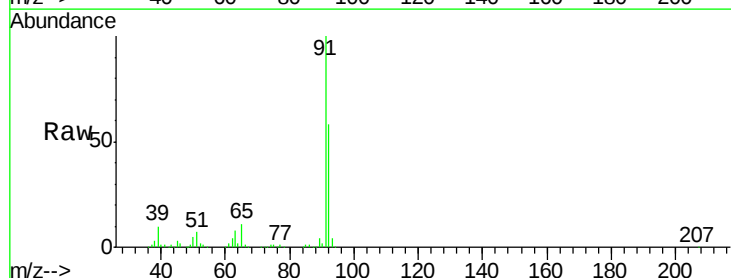
Acq: 17 Feb 2020 20:48

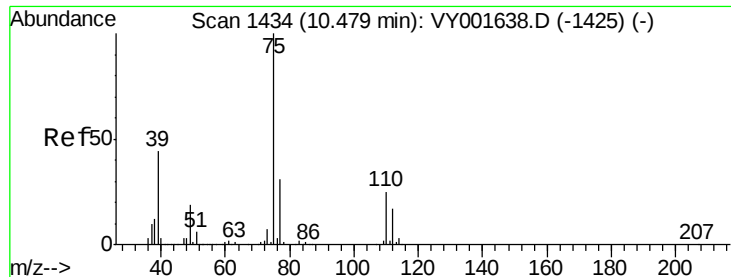
Tgt Ion: 92 Resp: 289515

Ion Ratio Lower Upper

92 100

91 172.9 137.0 205.6





#53

t-1,3-Dichloropropene

Concen: 52.213 ug/l

RT: 10.49 min Scan# 1435

Delta R.T. 0.01 min

Lab File: VY001661.D

Acq: 17 Feb 2020 20:48

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 164436

Ion Ratio Lower Upper

75 100

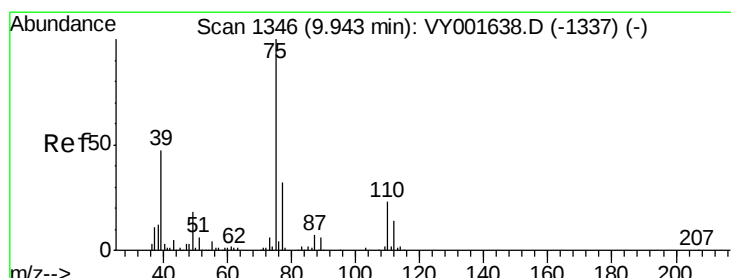
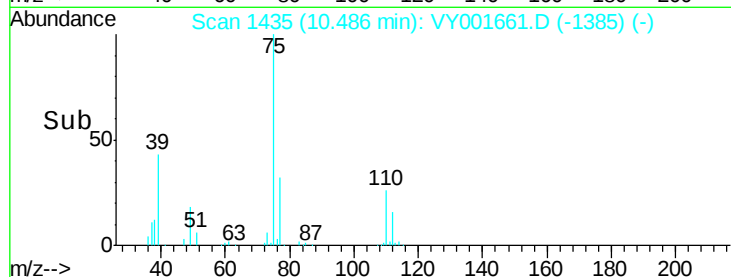
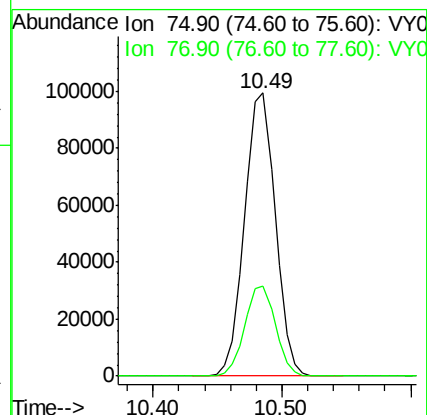
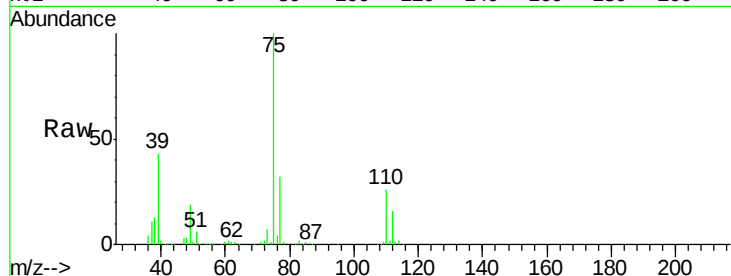
77 31.7 25.2 37.8

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 52.057 ug/l

RT: 9.95 min Scan# 1347

Delta R.T. 0.01 min

Lab File: VY001661.D

Acq: 17 Feb 2020 20:48

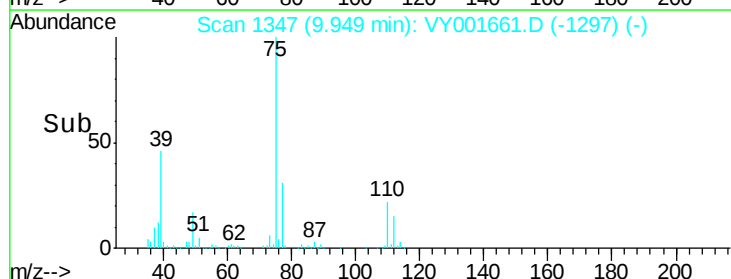
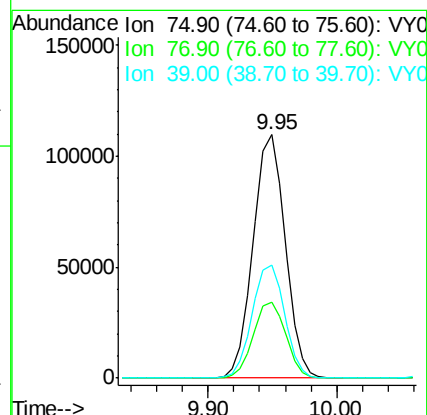
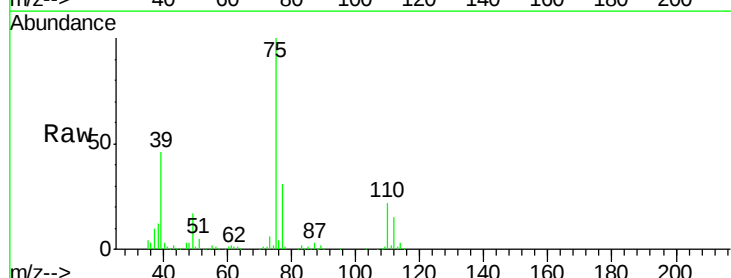
Tgt Ion: 75 Resp: 188687

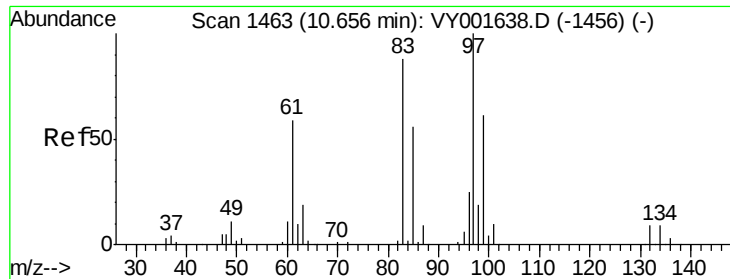
Ion Ratio Lower Upper

75 100

77 31.4 25.7 38.5

39 46.3 35.7 53.5





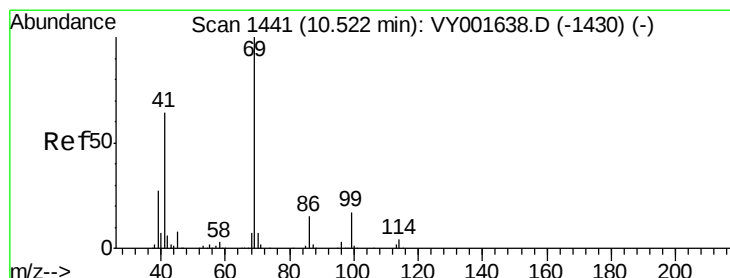
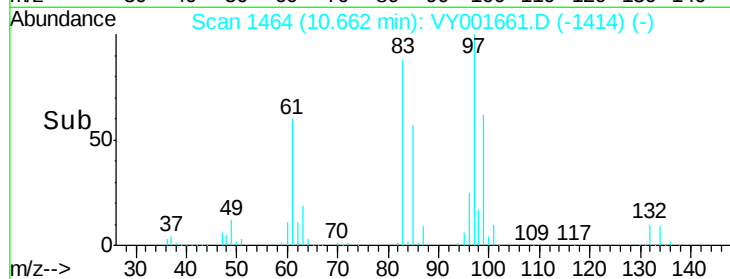
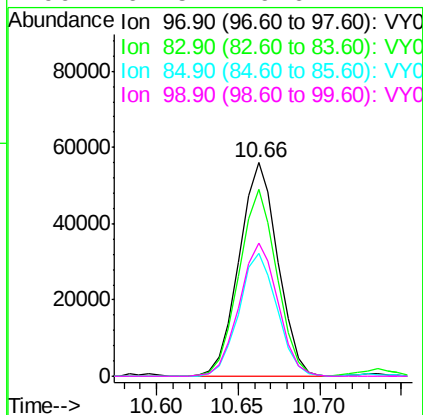
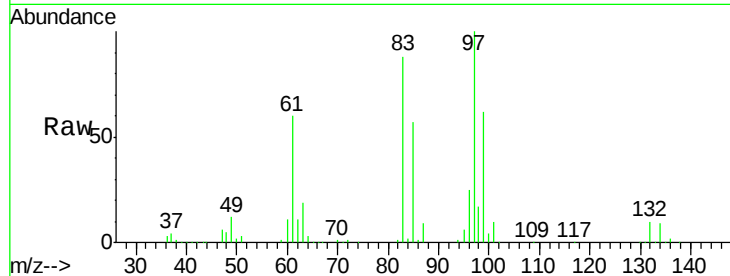
#55
 1,1,2-Trichloroethane
 Concen: 53.151 ug/l
 RT: 10.66 min Scan# 1464
 Delta R.T. 0.01 min
 Lab File: VY001661.D
 Acq: 17 Feb 2020 20:48

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	92508
Ion	Ratio	Lower	Upper
97	100		
83	87.6	69.7	104.5
85	57.4	44.5	66.7
99	62.5	49.6	74.4

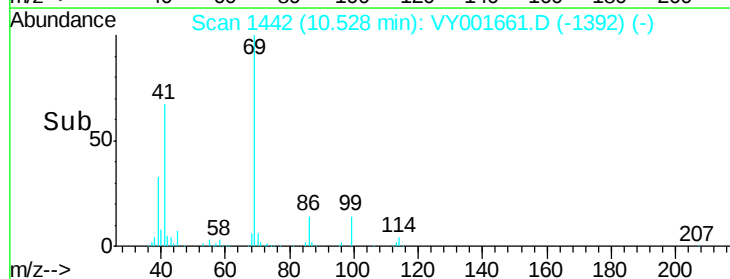
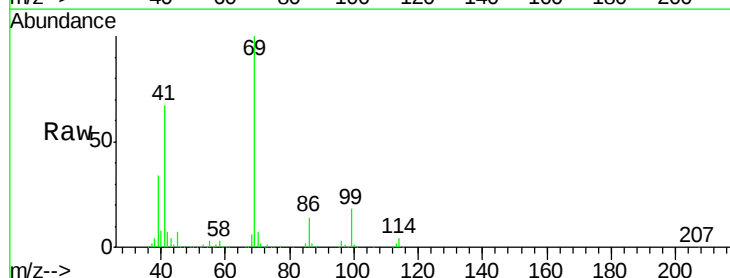
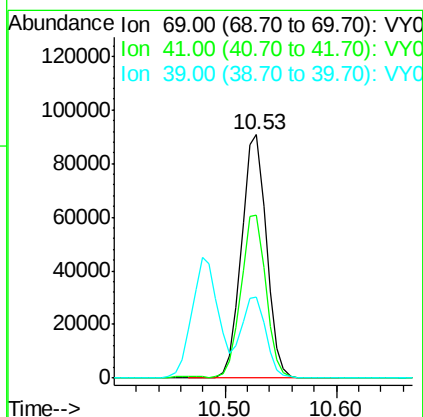
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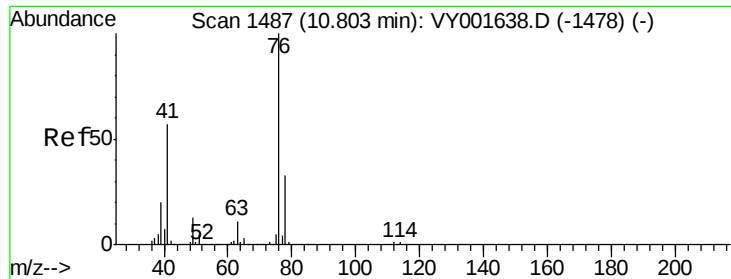
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 2/19/2020 10:49:24 AM



#56
 Ethyl methacrylate
 Concen: 53.971 ug/l
 RT: 10.53 min Scan# 1442
 Delta R.T. 0.01 min
 Lab File: VY001661.D
 Acq: 17 Feb 2020 20:48

Tgt Ion:	69	Resp:	140920
Ion	Ratio	Lower	Upper
69	100		
41	66.4	51.0	76.4
39	33.2	24.7	37.1





#57

1,3-Dichloropropane

Concen: 52.801 ug/l

RT: 10.81 min Scan# 1488

Delta R.T. 0.01 min

Lab File: VY001661.D

Acq: 17 Feb 2020 20:48

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 163286

Ion Ratio Lower Upper

76 100

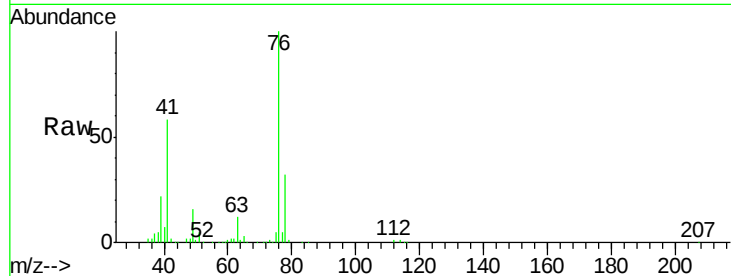
78 31.8 25.7 38.5

Manual Integrations

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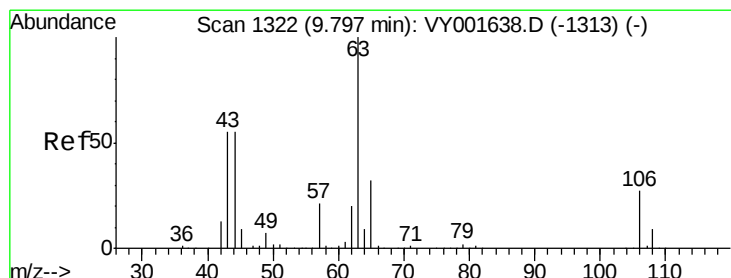
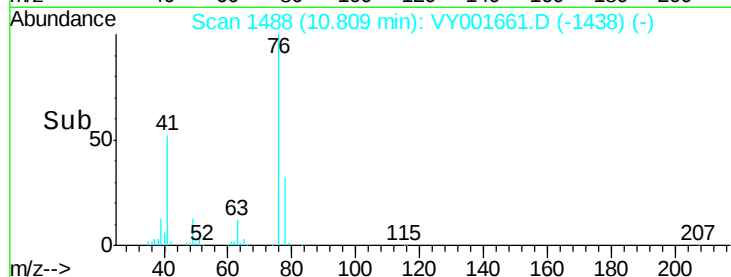
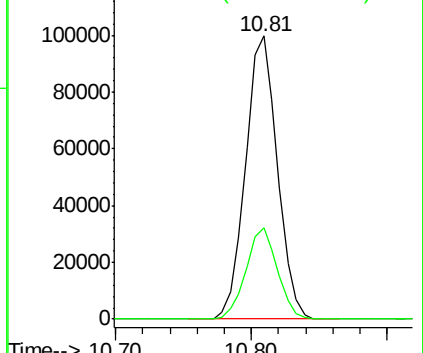
MMDadoda

2/19/2020 10:49:24 AM



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#58

2-Chloroethyl Vinyl ether

Concen: 236.484 ug/l

RT: 9.80 min Scan# 1323

Delta R.T. 0.01 min

Lab File: VY001661.D

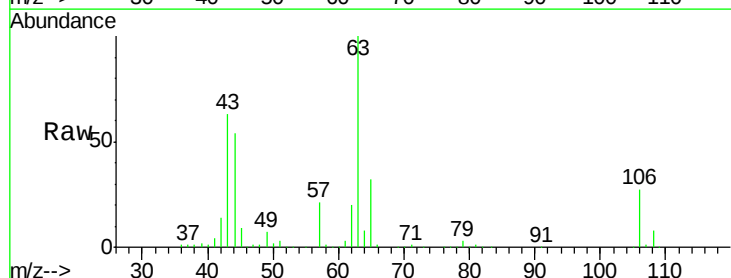
Acq: 17 Feb 2020 20:48

Tgt Ion: 63 Resp: 233229

Ion Ratio Lower Upper

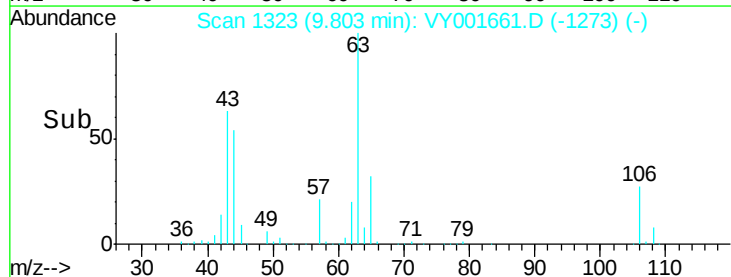
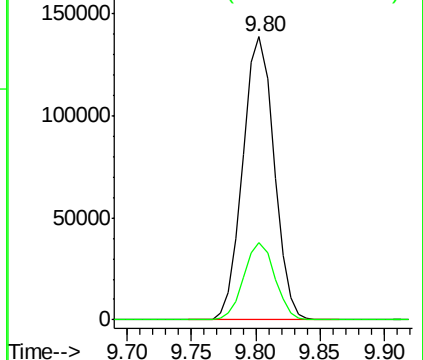
63 100

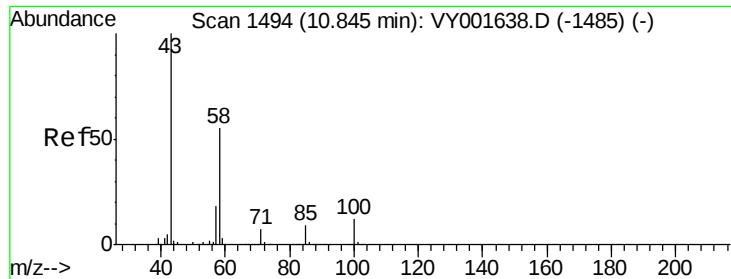
106 27.0 21.6 32.4



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 105.90 (105.60 to 106.60): V





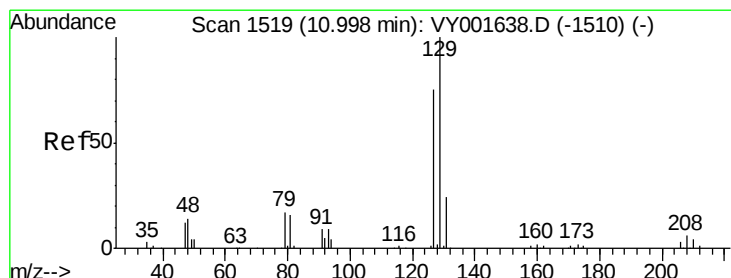
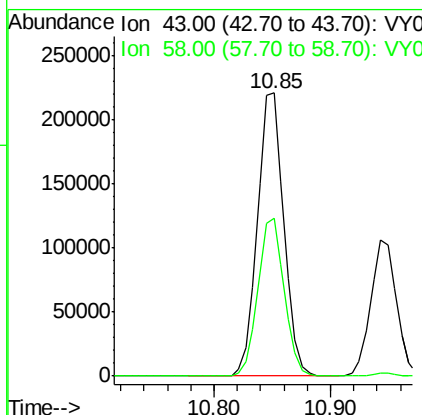
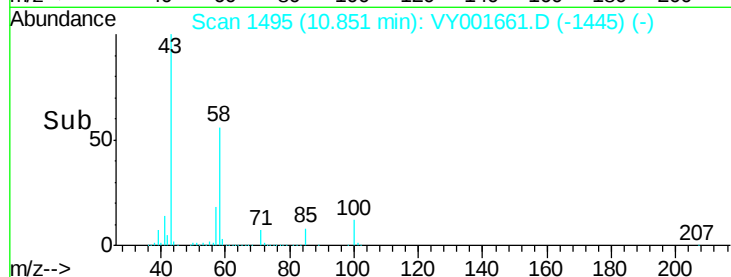
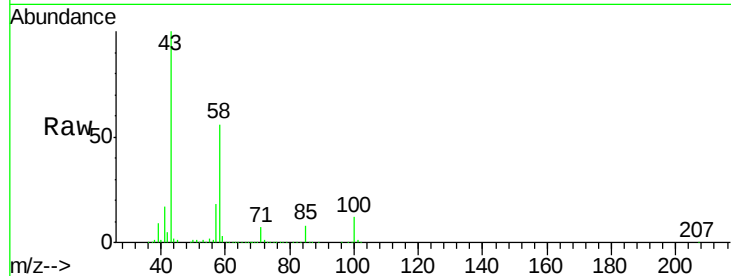
#59
2-Hexanone
Concen: 261.650 ug/l
RT: 10.85 min Scan# 1495
Delta R.T. 0.01 min
Lab File: VY001661.D
Acq: 17 Feb 2020 20:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 349976
Ion Ratio Lower Upper
43 100
58 55.6 28.4 85.2

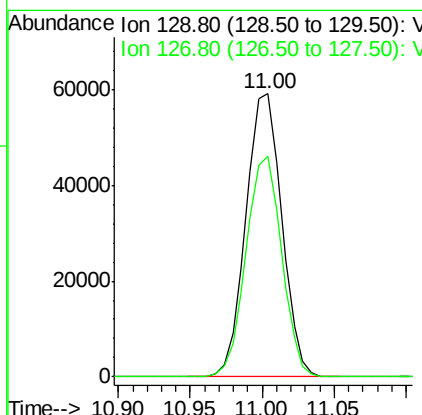
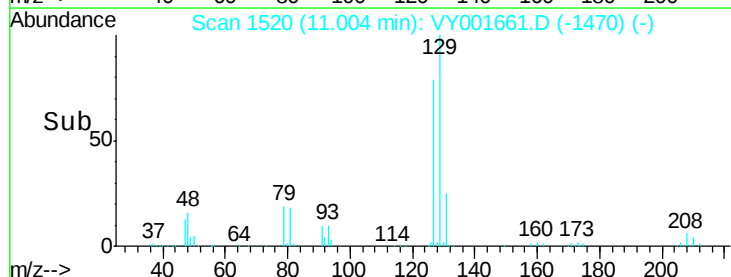
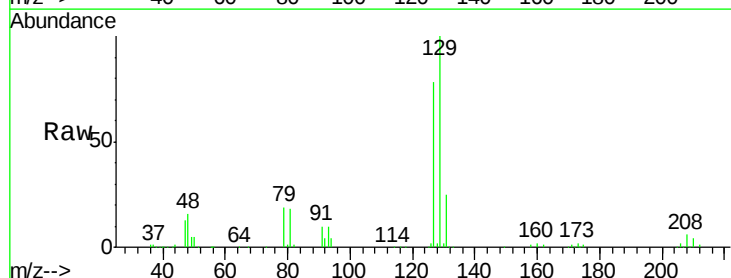
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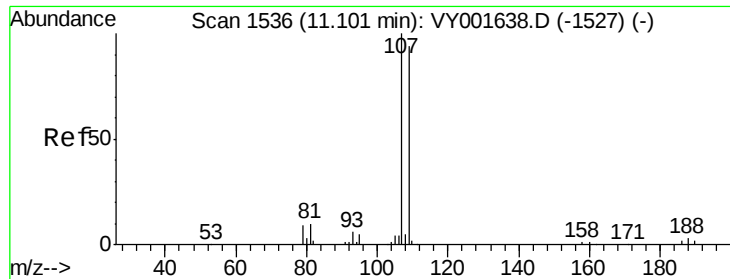
MMDadoda
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#60
Dibromochloromethane
Concen: 53.137 ug/l
RT: 11.00 min Scan# 1520
Delta R.T. 0.01 min
Lab File: VY001661.D
Acq: 17 Feb 2020 20:48

Tgt Ion: 129 Resp: 101963
Ion Ratio Lower Upper
129 100
127 77.3 38.9 116.6





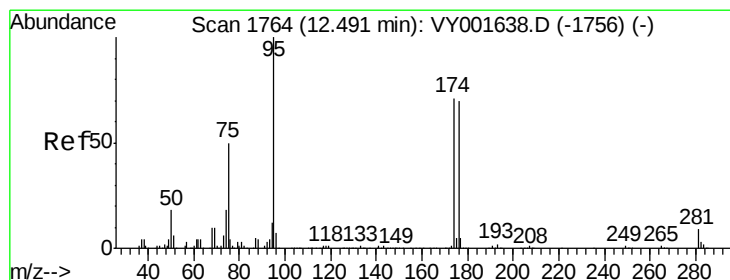
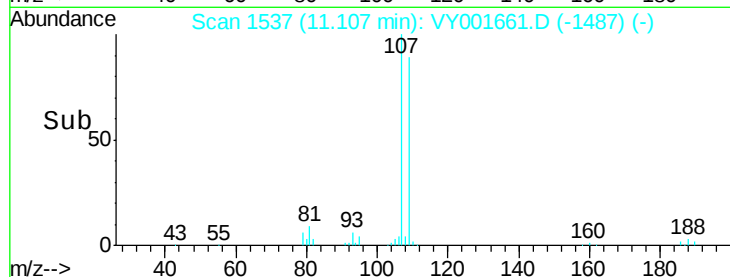
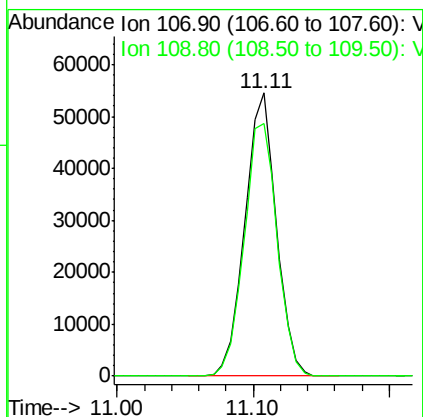
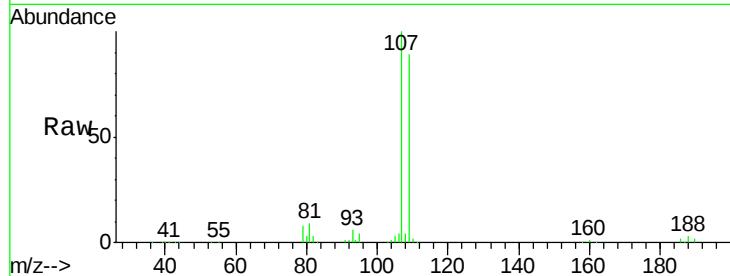
#61
 1,2-Dibromoethane
 Concen: 53.583 ug/l
 RT: 11.11 min Scan# 1537
 Delta R.T. 0.01 min
 Lab File: VY001661.D
 Acq: 17 Feb 2020 20:48

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.8	74.2	111.4

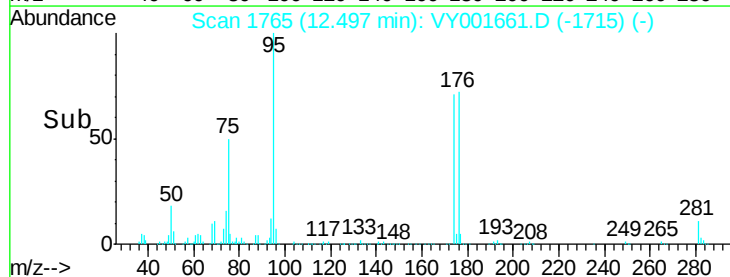
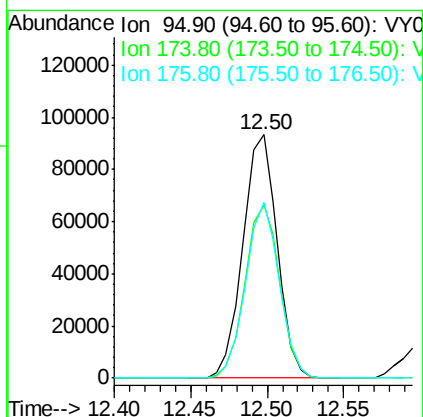
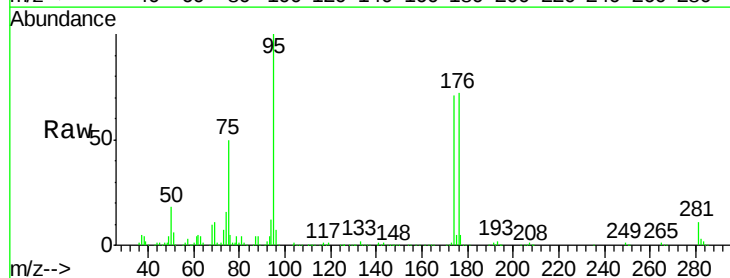
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#62
 4-Bromofluorobenzene
 Concen: 51.839 ug/l
 RT: 12.50 min Scan# 1765
 Delta R.T. 0.01 min
 Lab File: VY001661.D
 Acq: 17 Feb 2020 20:48

Tgt Ion	Ratio	Lower	Upper
95	100		
174	72.1	0.0	138.4
176	70.9	0.0	131.8





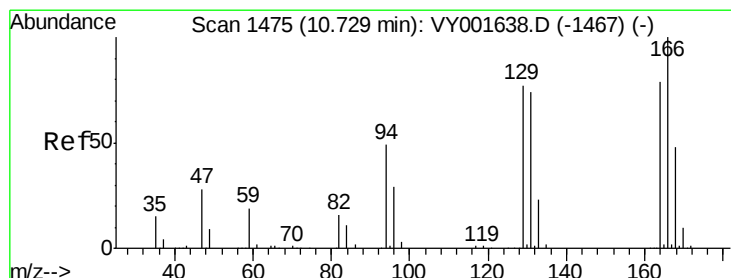
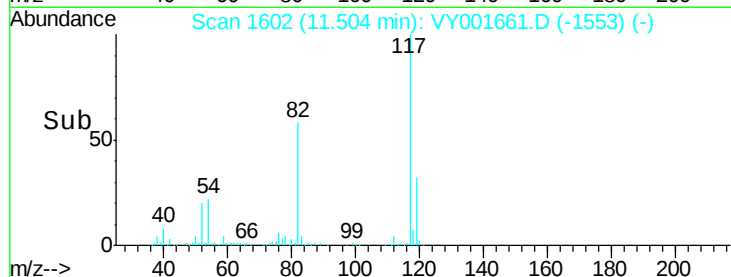
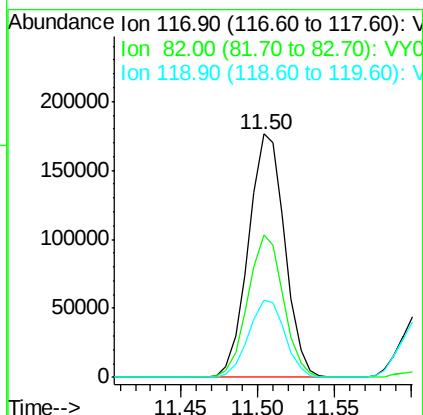
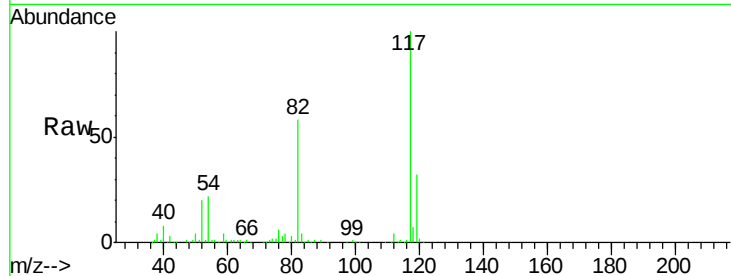
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.00 min
Lab File: VY001661.D
Acq: 17 Feb 2020 20:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	291191		
82	58.4	45.5	68.3	
119	31.7	25.8	38.6	

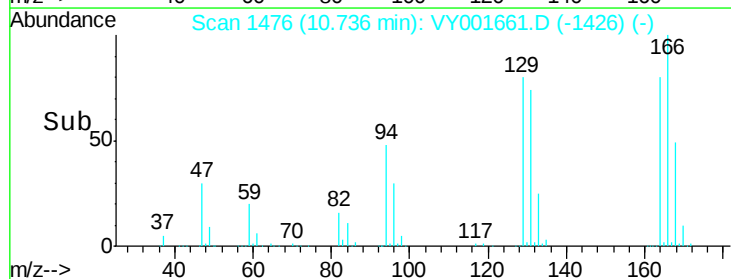
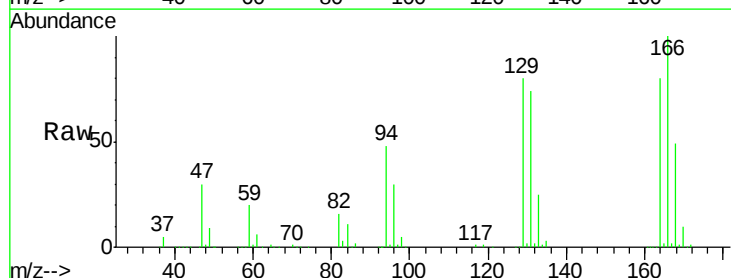
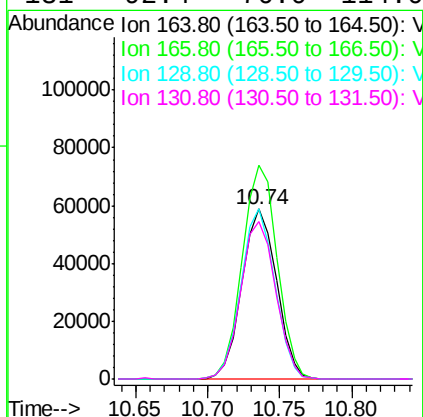
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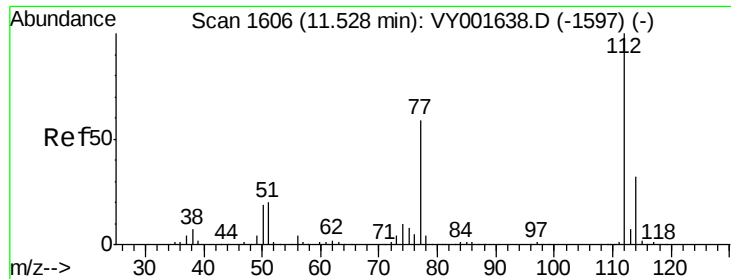
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#64
Tetrachloroethene
Concen: 53.630 ug/l
RT: 10.74 min Scan# 1476
Delta R.T. 0.01 min
Lab File: VY001661.D
Acq: 17 Feb 2020 20:48

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	98034		
166	125.8	101.4	152.0	
129	100.2	78.7	118.1	
131	92.4	76.0	114.0	





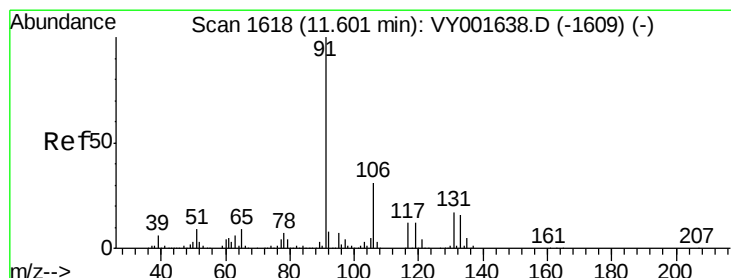
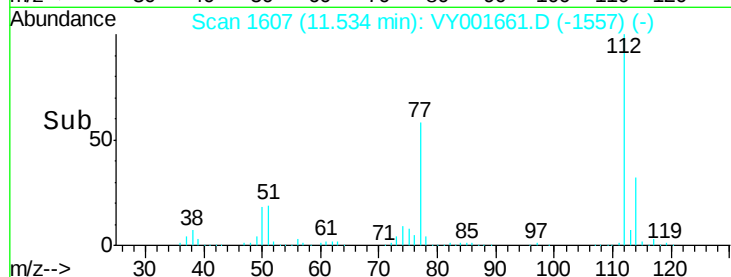
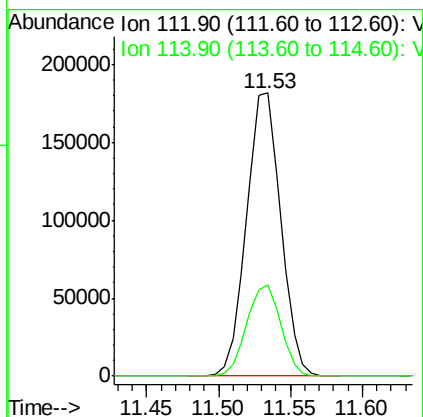
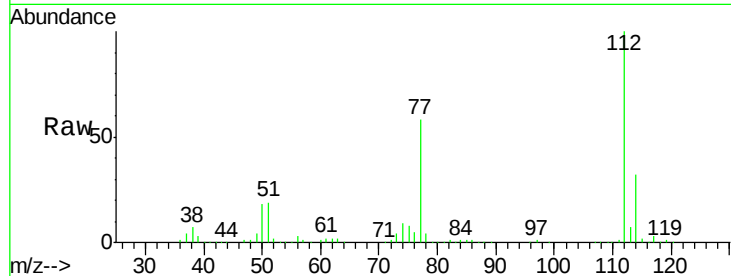
#65
Chlorobenzene
Concen: 51.387 ug/l
RT: 11.53 min Scan# 1607
Delta R.T. 0.01 min
Lab File: VY001661.D
Acq: 17 Feb 2020 20:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 298745
Ion Ratio Lower Upper
112 100
114 32.1 25.4 38.2

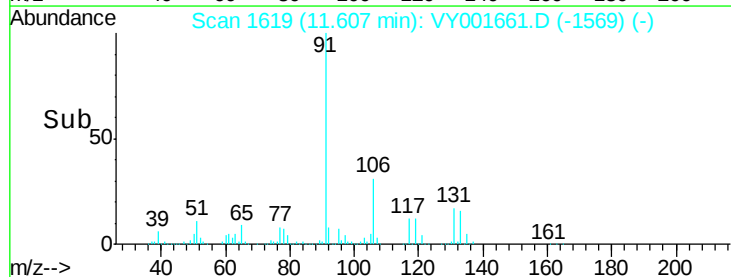
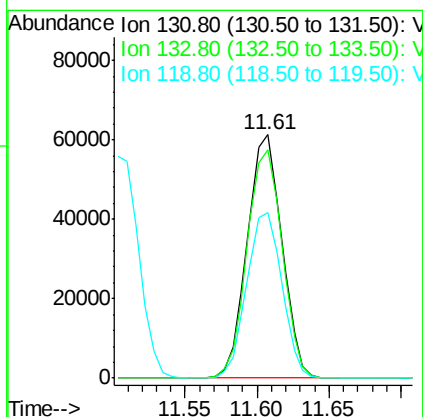
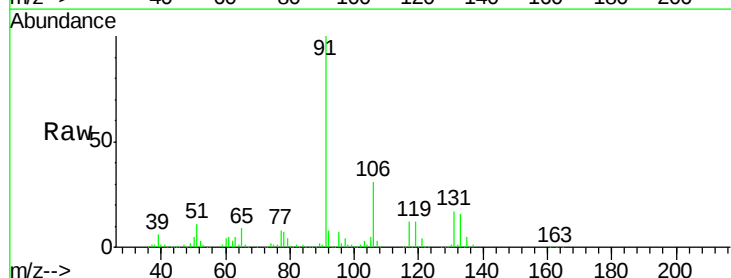
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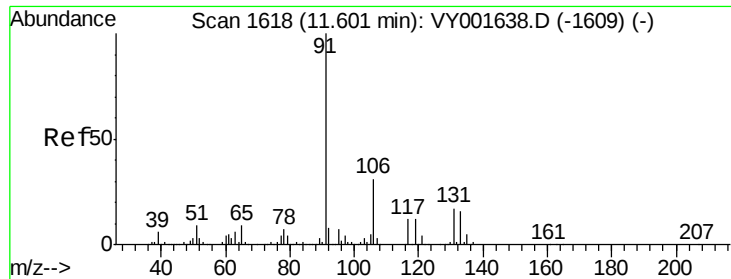
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#66
1,1,1,2-Tetrachloroethane
Concen: 52.013 ug/l
RT: 11.61 min Scan# 1619
Delta R.T. 0.01 min
Lab File: VY001661.D
Acq: 17 Feb 2020 20:48

Tgt Ion:131 Resp: 102002
Ion Ratio Lower Upper
131 100
133 95.1 47.4 142.2
119 68.9 34.4 103.1





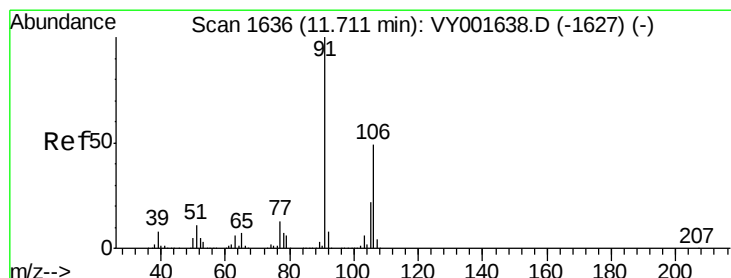
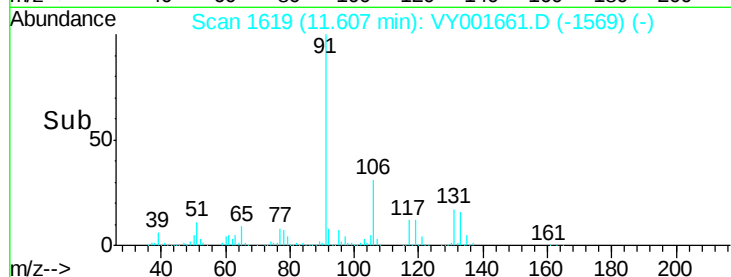
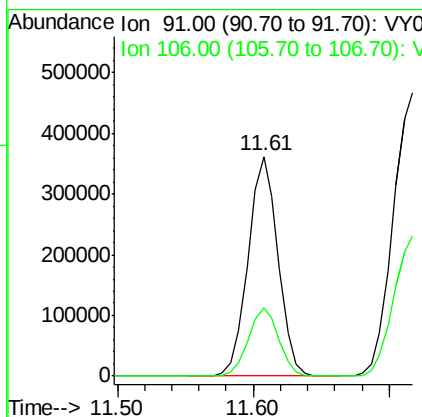
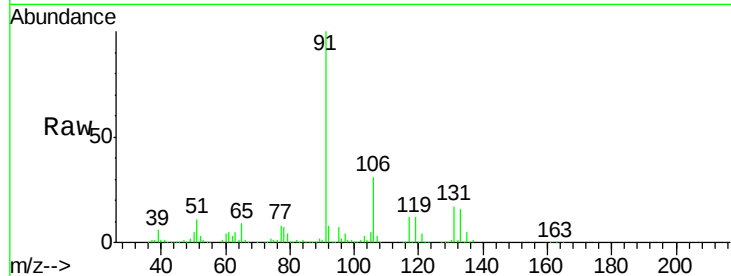
#67
Ethyl Benzene
Concen: 51.459 ug/l
RT: 11.61 min Scan# 1619
Delta R.T. 0.01 min
Lab File: VY001661.D
Acq: 17 Feb 2020 20:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 555171
Ion Ratio Lower Upper
91 100
106 31.0 24.5 36.7

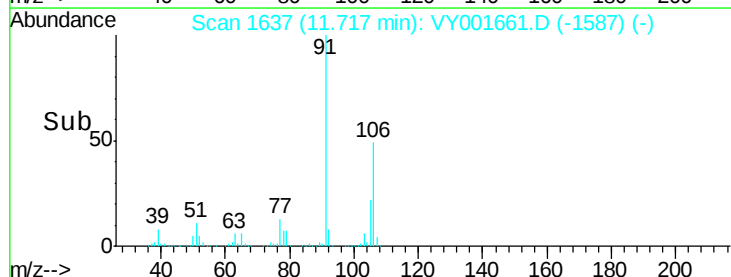
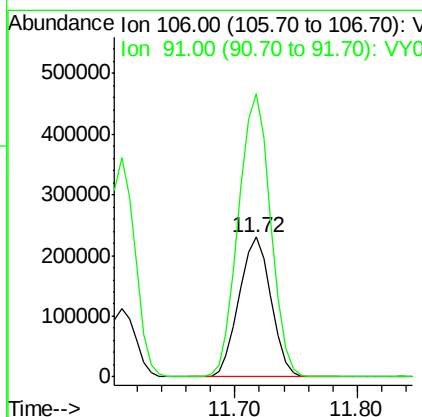
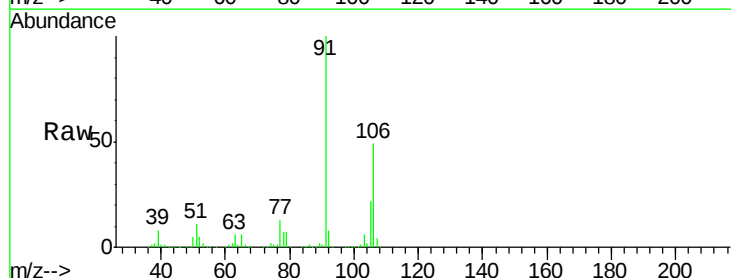
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#68
m/p-Xylenes
Concen: 103.688 ug/l
RT: 11.72 min Scan# 1637
Delta R.T. 0.01 min
Lab File: VY001661.D
Acq: 17 Feb 2020 20:48

Tgt Ion: 106 Resp: 417867
Ion Ratio Lower Upper
106 100
91 203.4 163.3 244.9





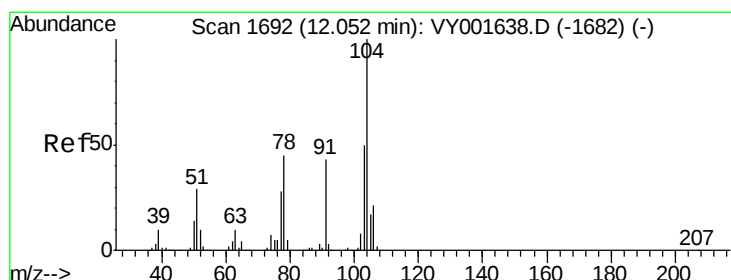
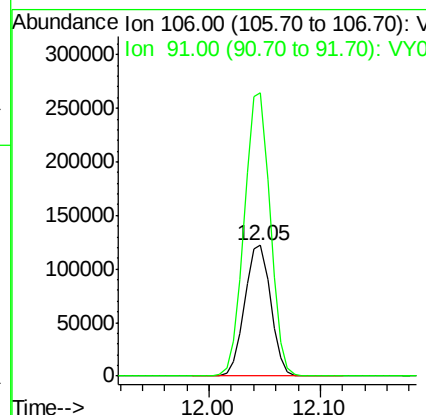
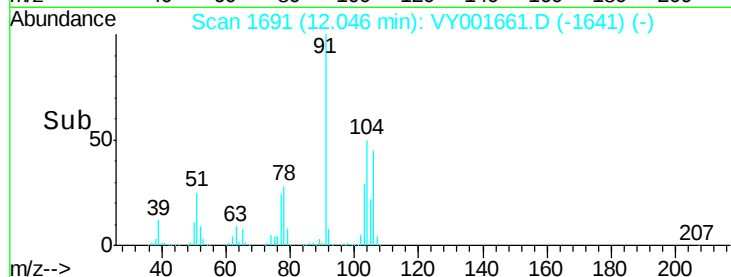
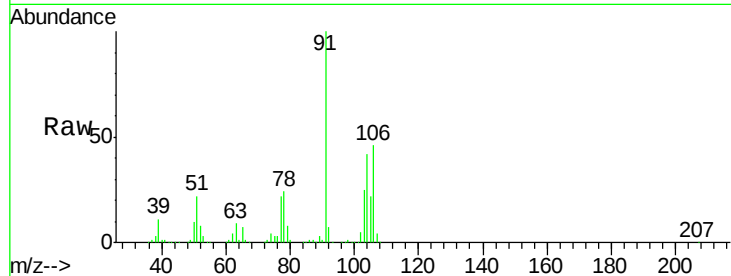
#69
o-Xylene
Concen: 51.677 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. 0.01 min
Lab File: VY001661.D
Acq: 17 Feb 2020 20:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 197994
Ion Ratio Lower Upper
106 100
91 215.3 108.3 324.9

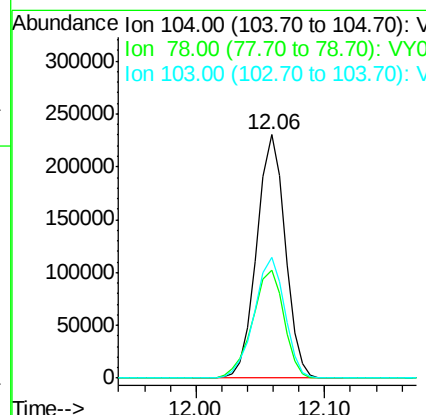
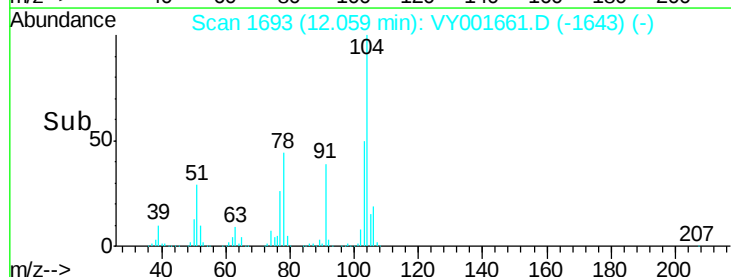
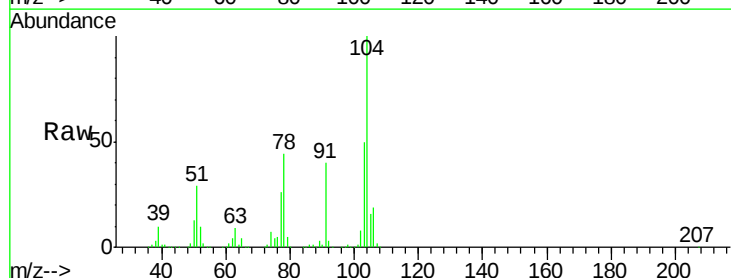
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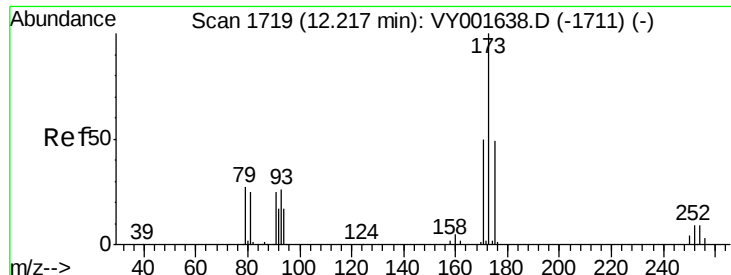
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#70
Styrene
Concen: 52.526 ug/l
RT: 12.06 min Scan# 1693
Delta R.T. 0.01 min
Lab File: VY001661.D
Acq: 17 Feb 2020 20:48

Tgt Ion:104 Resp: 349752
Ion Ratio Lower Upper
104 100
78 49.2 39.2 58.8
103 53.6 43.0 64.6





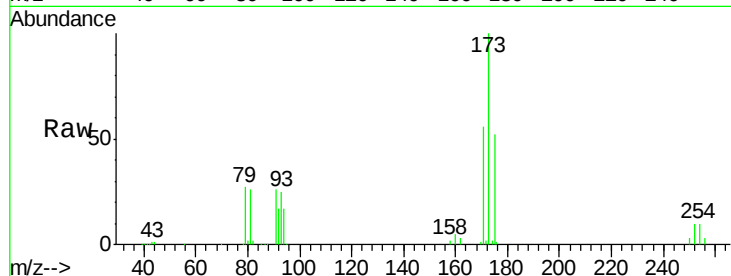
#71
Bromoform
Concen: 52.740 ug/l
RT: 12.22 min Scan# 1720
Delta R.T. 0.01 min
Lab File: VY001661.D
Acq: 17 Feb 2020 20:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

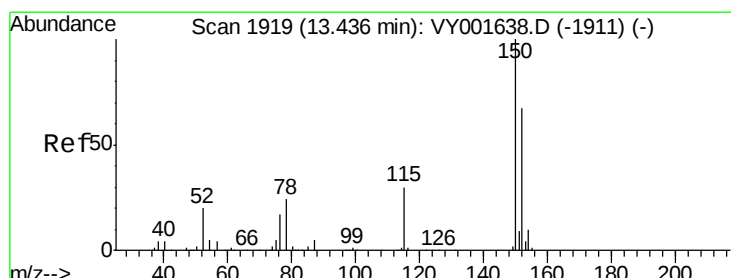
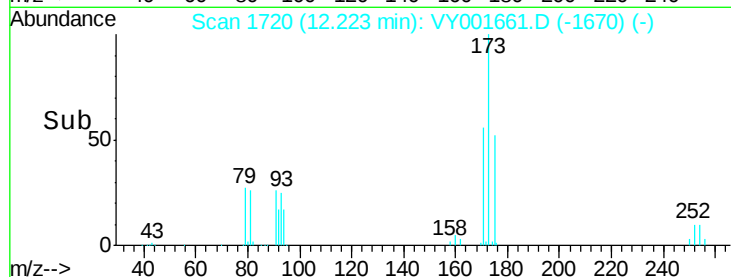
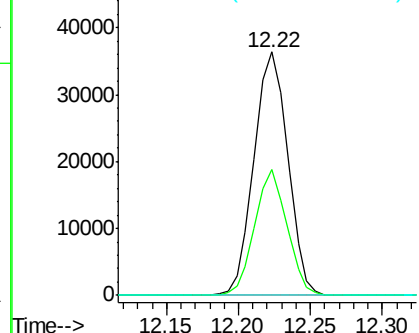
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.3	73.0
254	0.0	0.1	0.1#

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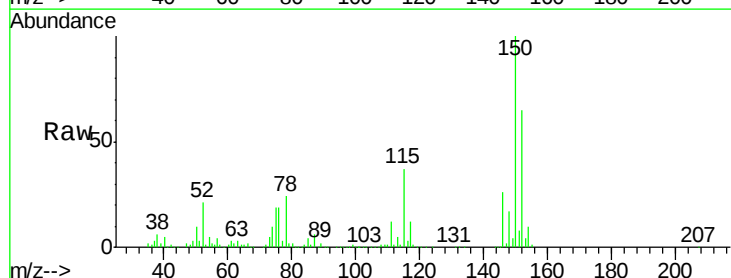


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

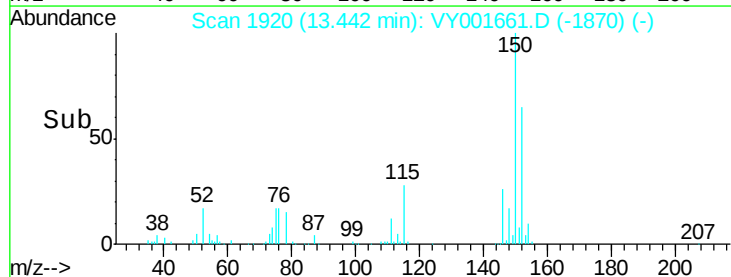
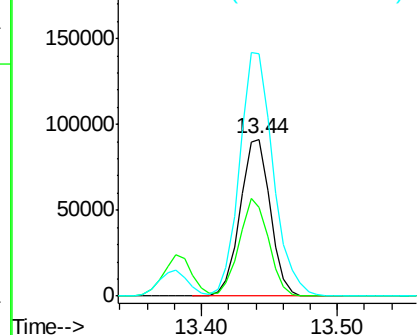


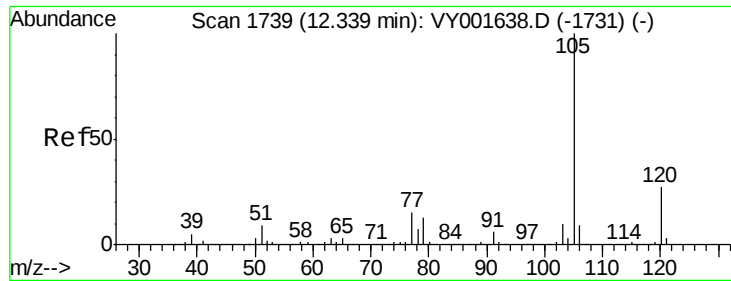
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1920
Delta R.T. 0.01 min
Lab File: VY001661.D
Acq: 17 Feb 2020 20:48

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.9	31.4	94.2
150	173.4	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





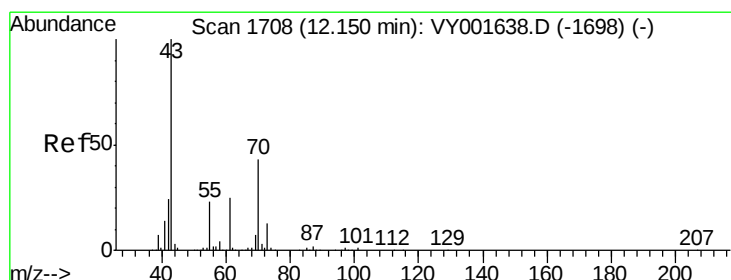
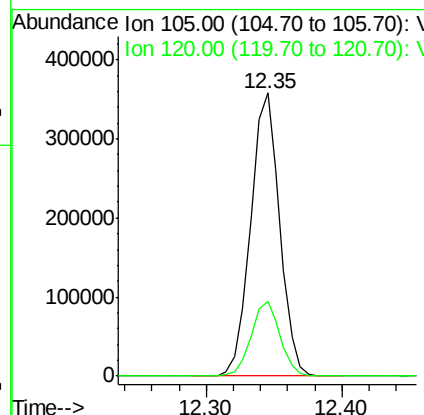
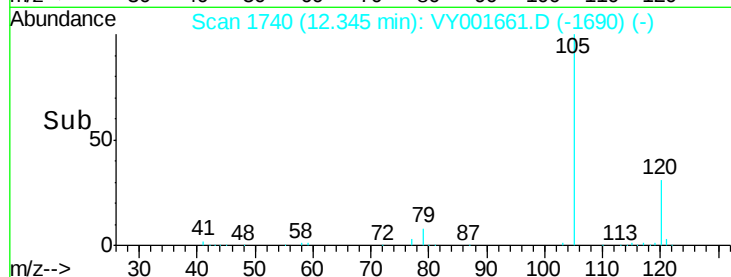
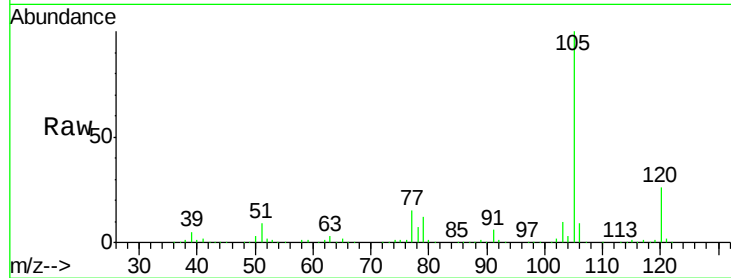
#73
Isopropylbenzene
Concen: 49.727 ug/l
RT: 12.35 min Scan# 1740
Delta R.T. 0.01 min
Lab File: VY001661.D
Acq: 17 Feb 2020 20:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 105 Resp: 533029
Ion Ratio Lower Upper
105 100
120 26.2 13.4 40.1

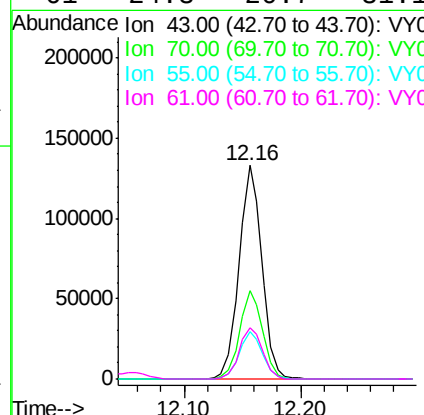
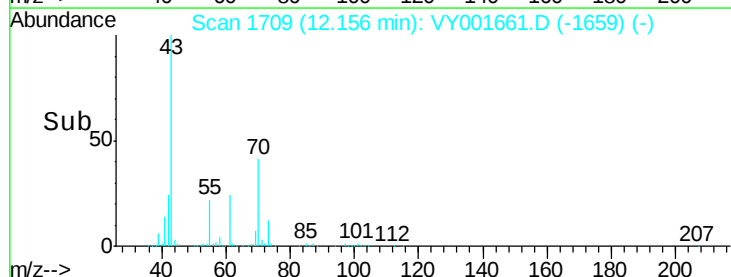
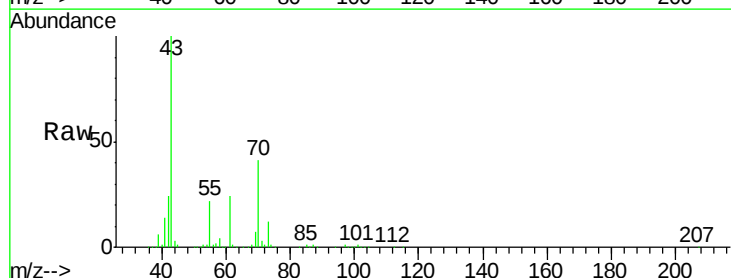
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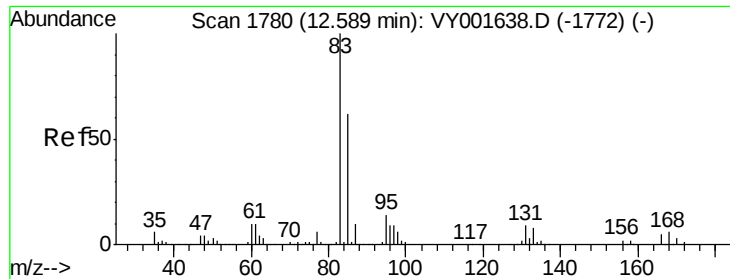
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#74
N-ethyl acetate
Concen: 53.050 ug/l
RT: 12.16 min Scan# 1709
Delta R.T. 0.01 min
Lab File: VY001661.D
Acq: 17 Feb 2020 20:48

Tgt Ion: 43 Resp: 181479
Ion Ratio Lower Upper
43 100
70 41.3 35.9 53.9
55 22.3 18.3 27.5
61 24.3 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 51.774 ug/l

RT: 12.59 min Scan# 1781

Delta R.T. 0.01 min

Lab File: VY001661.D

Acq: 17 Feb 2020 20:48

Instrument :

MSVOA_Y

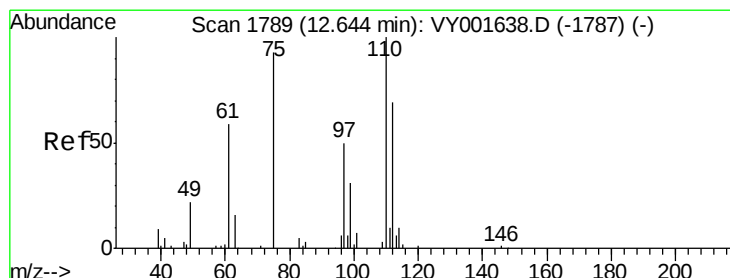
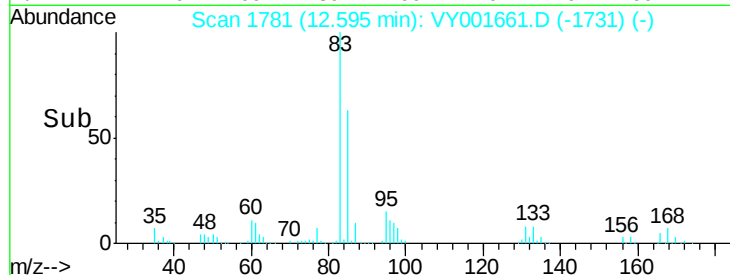
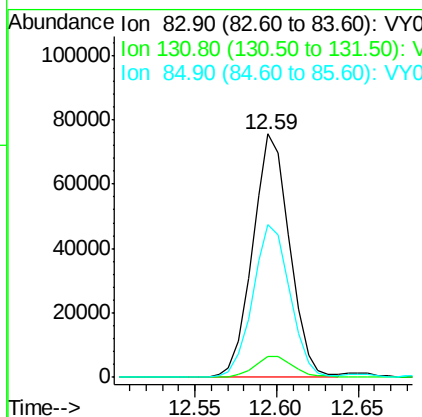
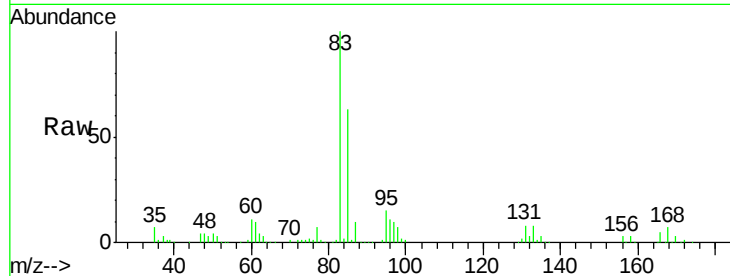
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	118498
Ion Ratio	Lower	Upper	
83	100		
131	9.1	4.7	14.1
85	63.3	31.6	94.7

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#76

1,2,3-Trichloropropane

Concen: 55.100 ug/l m

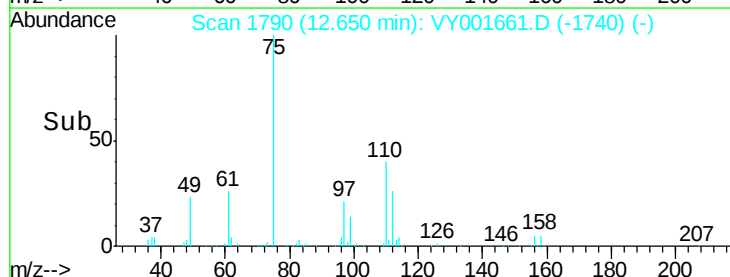
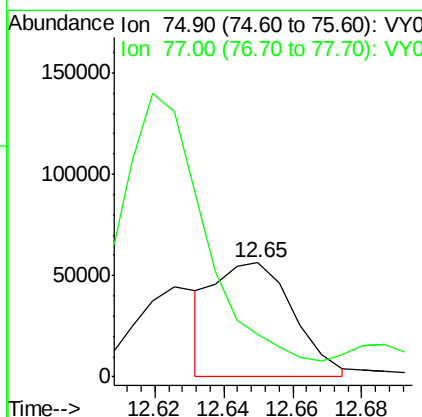
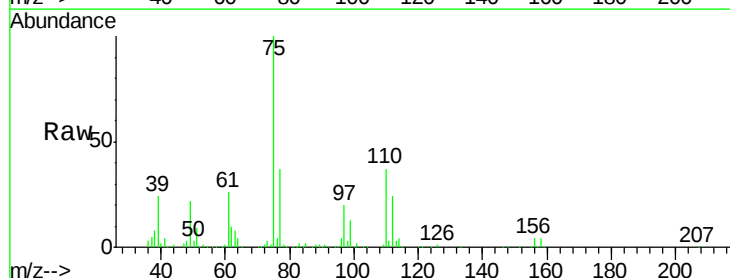
RT: 12.65 min Scan# 1790

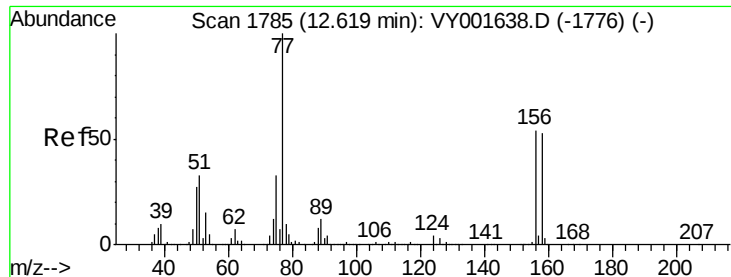
Delta R.T. 0.01 min

Lab File: VY001661.D

Acq: 17 Feb 2020 20:48

Tgt Ion:	75	Resp:	88935
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 50.204 ug/l

RT: 12.63 min Scan# 1786

Delta R.T. 0.01 min

Lab File: VY001661.D

Acq: 17 Feb 2020 20:48

Instrument :

MSVOA_Y

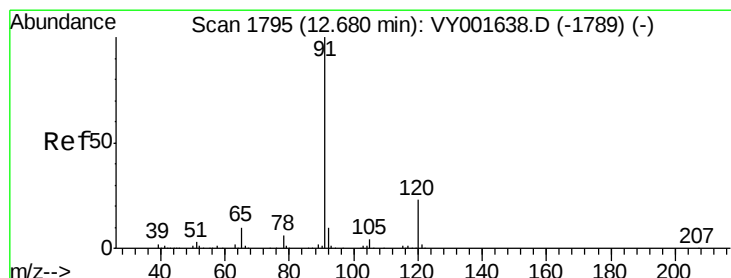
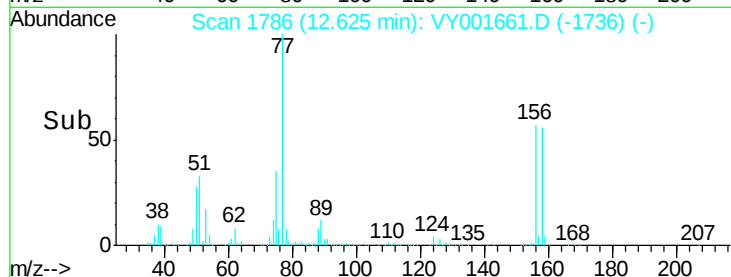
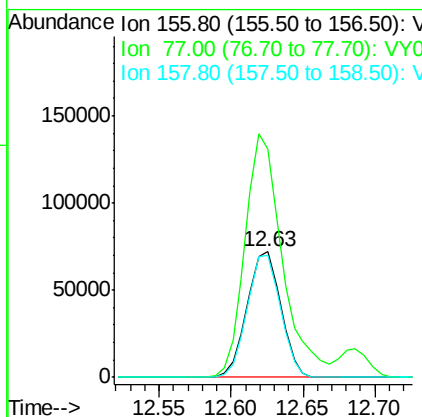
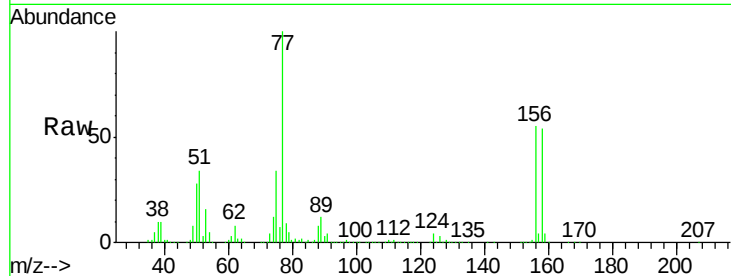
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	116658
Ion Ratio	Lower	Upper	
156	100		
77	215.6	110.1	330.1
158	96.8	47.9	143.7

Manual Integrations
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#78

n-propylbenzene

Concen: 50.406 ug/l

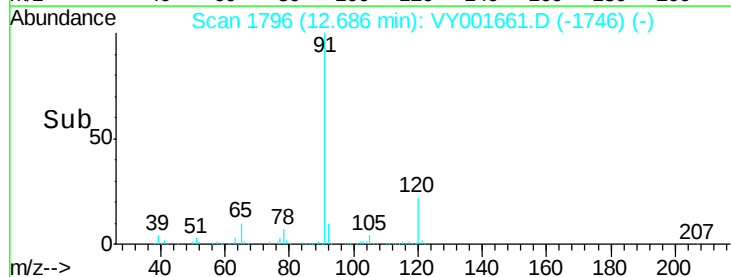
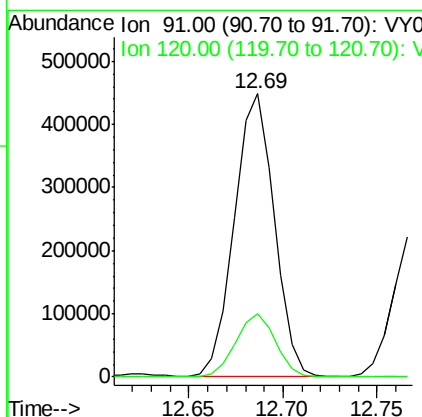
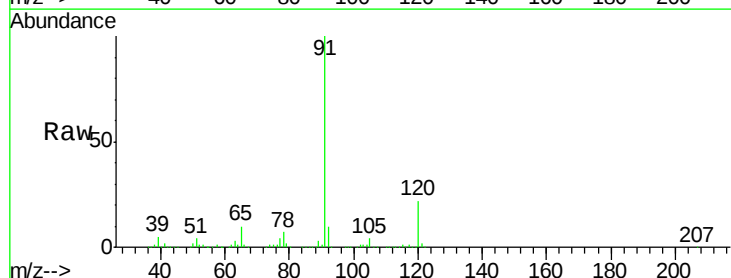
RT: 12.69 min Scan# 1796

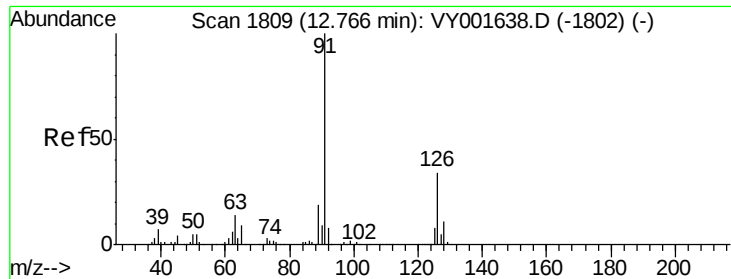
Delta R.T. 0.01 min

Lab File: VY001661.D

Acq: 17 Feb 2020 20:48

Tgt Ion:	91	Resp:	658048
Ion Ratio	Lower	Upper	
91	100		
120	22.2	11.1	33.1





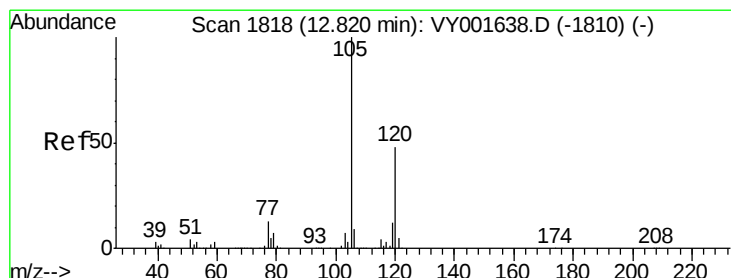
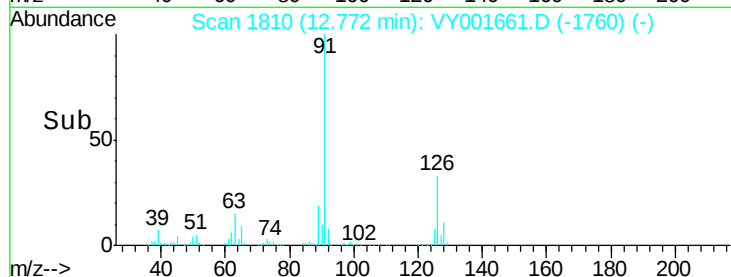
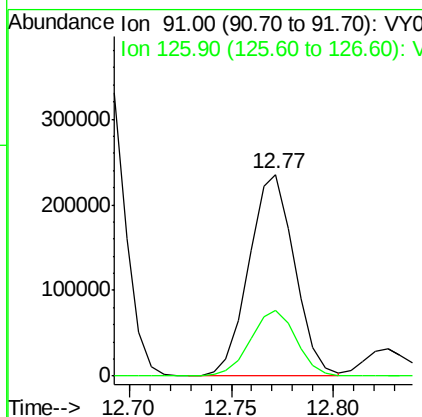
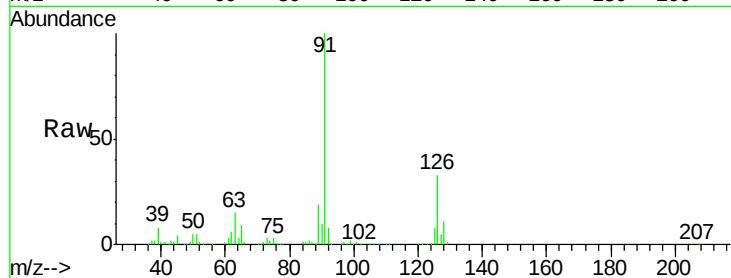
#79
2-Chlorotoluene
Concen: 50.074 ug/l
RT: 12.77 min Scan# 1810
Delta R.T. 0.01 min
Lab File: VY001661.D
Acq: 17 Feb 2020 20:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 366642
Ion Ratio Lower Upper
91 100
126 32.8 16.2 48.6

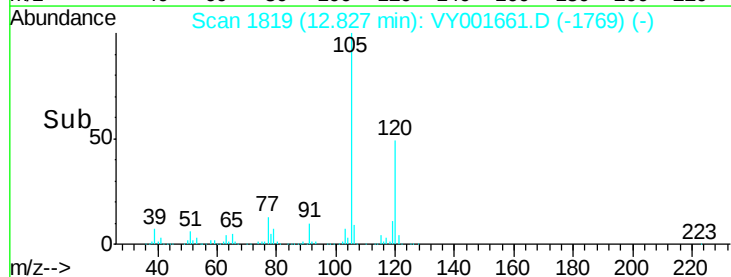
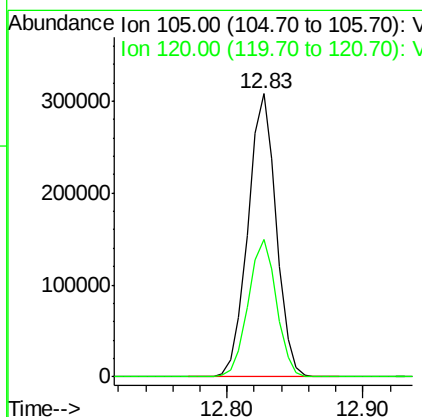
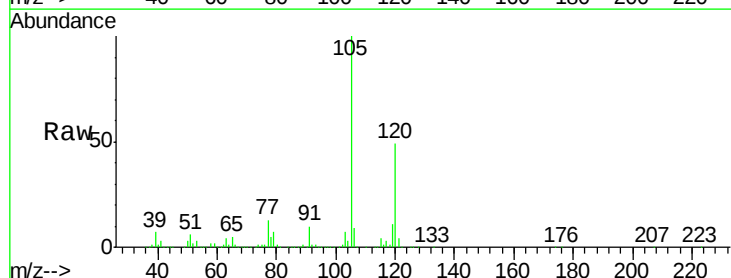
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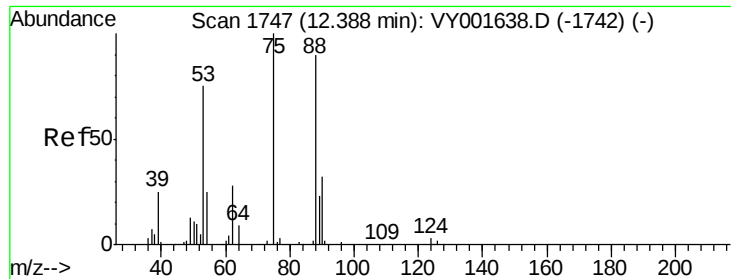
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#80
1,3,5-Trimethylbenzene
Concen: 50.524 ug/l
RT: 12.83 min Scan# 1819
Delta R.T. 0.01 min
Lab File: VY001661.D
Acq: 17 Feb 2020 20:48

Tgt Ion: 105 Resp: 448308
Ion Ratio Lower Upper
105 100
120 48.5 24.3 72.9





#81

trans-1,4-Dichloro-2-butene

Concen: 49.238 ug/l

RT: 12.39 min Scan# 1748

Delta R.T. 0.01 min

Lab File: VY001661.D

Acq: 17 Feb 2020 20:48

Instrument :

MSVOA_Y

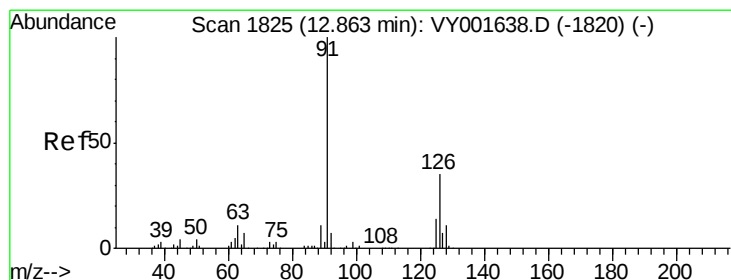
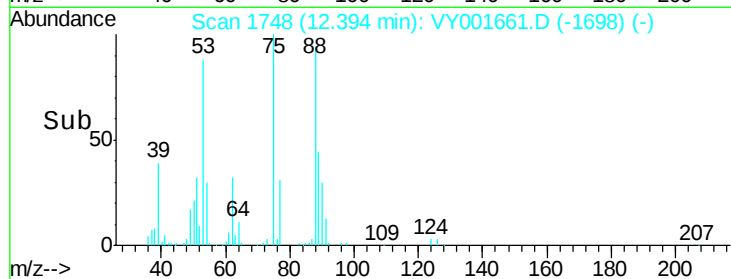
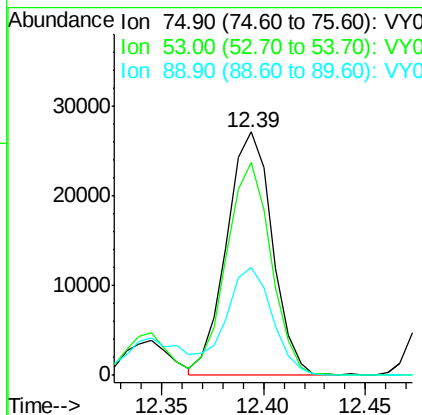
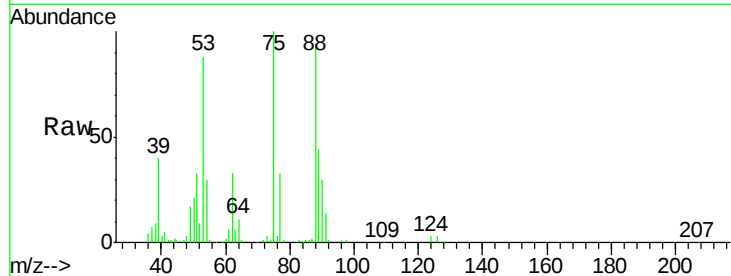
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	41890
Ion	Ratio	Lower	Upper
75	100		
53	85.9	64.5	96.7
89	46.6	36.3	54.5

Manual Integrations
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#82

4-Chlorotoluene

Concen: 50.686 ug/l

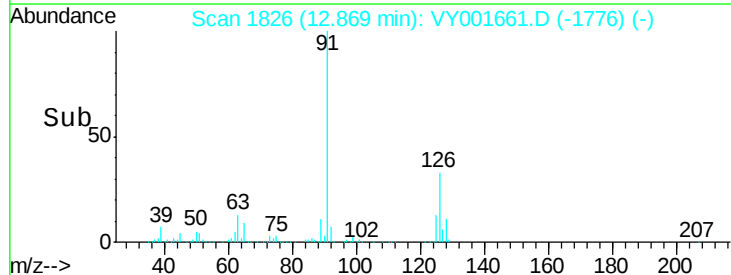
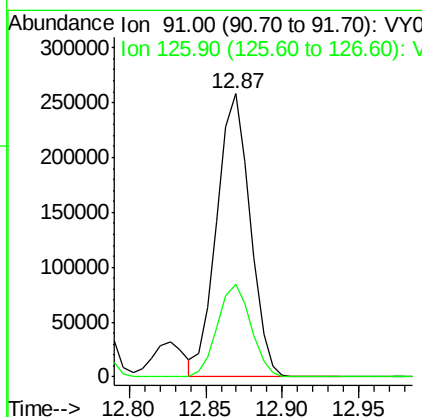
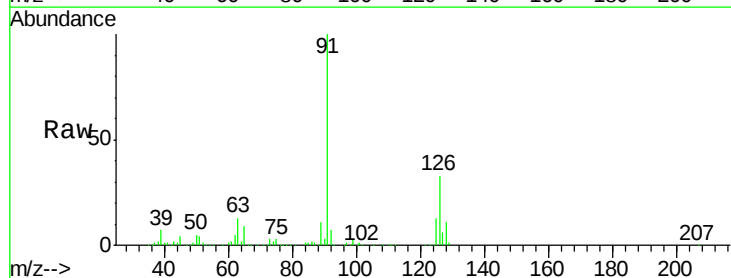
RT: 12.87 min Scan# 1826

Delta R.T. 0.01 min

Lab File: VY001661.D

Acq: 17 Feb 2020 20:48

Tgt Ion:	91	Resp:	391426
Ion	Ratio	Lower	Upper
91	100		
126	32.8	16.2	48.6





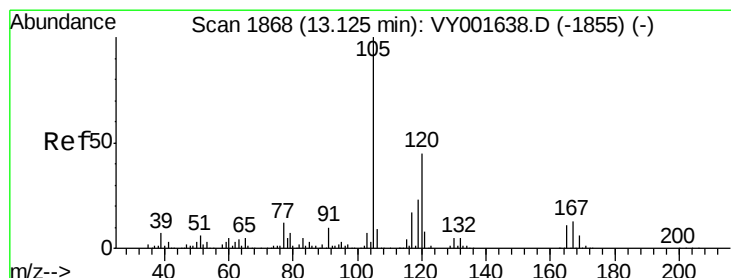
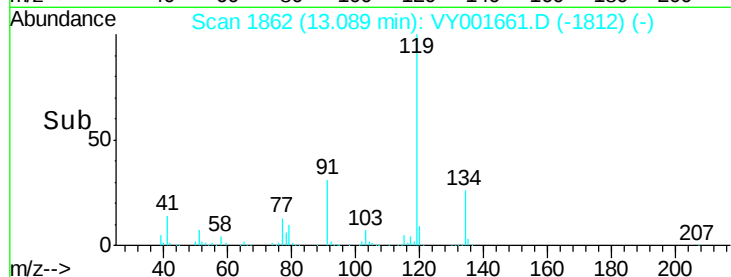
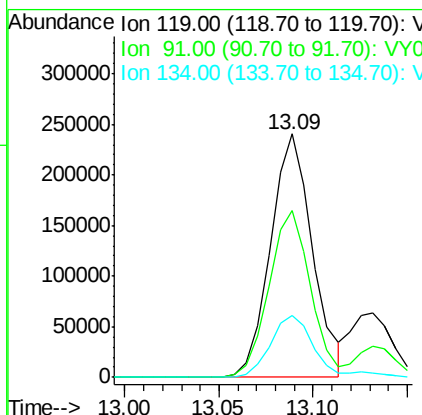
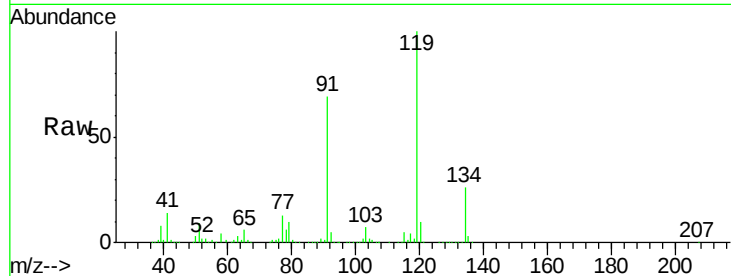
#83
tert-Butylbenzene
Concen: 50.062 ug/l
RT: 13.09 min Scan# 1862
Delta R.T. 0.01 min
Lab File: VY001661.D
Acq: 17 Feb 2020 20:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.4	33.5	100.5
134	26.8	13.3	39.8

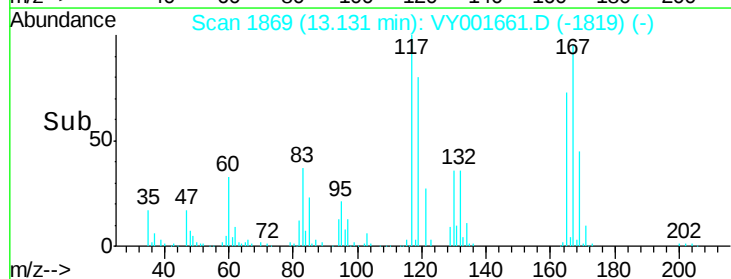
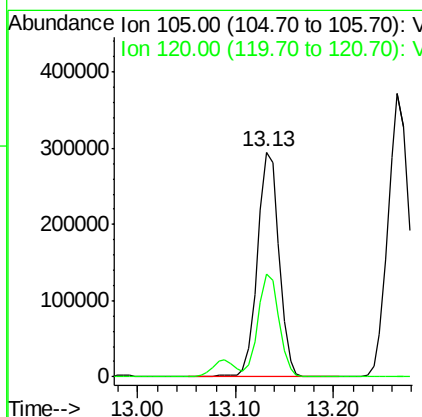
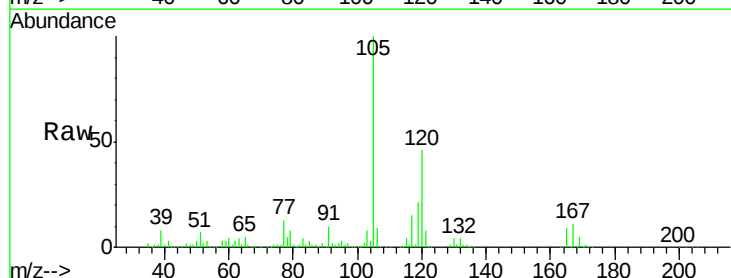
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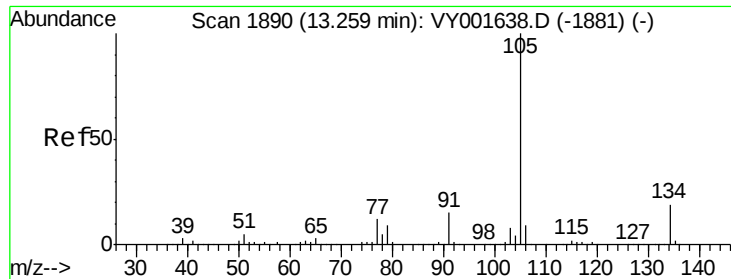
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#84
1,2,4-Trimethylbenzene
Concen: 50.947 ug/l
RT: 13.13 min Scan# 1869
Delta R.T. 0.01 min
Lab File: VY001661.D
Acq: 17 Feb 2020 20:48

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.7	22.4	67.3





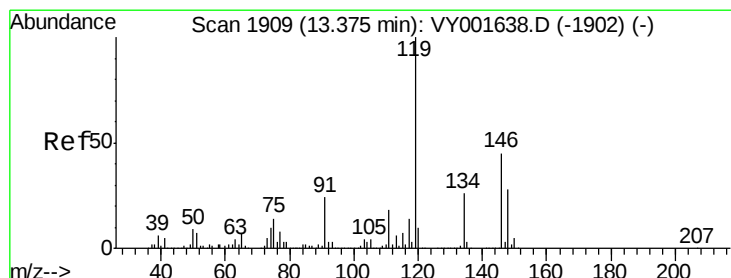
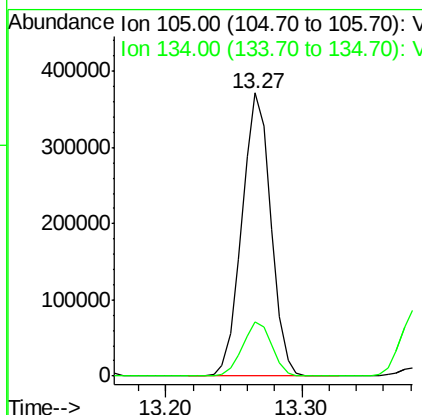
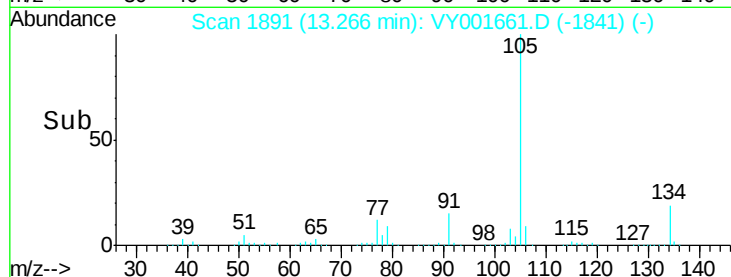
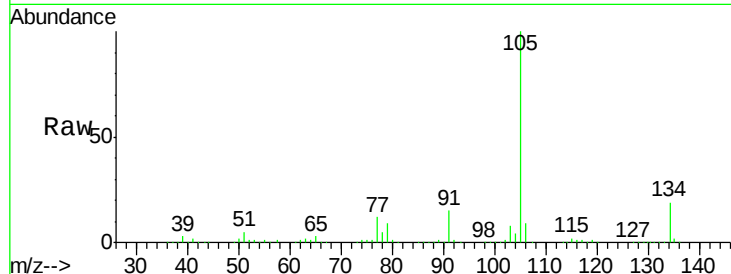
#85
 sec-Butylbenzene
 Concen: 50.562 ug/l
 RT: 13.27 min Scan# 1891
 Delta R.T. 0.01 min
 Lab File: VY001661.D
 Acq: 17 Feb 2020 20:48

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.8	29.3

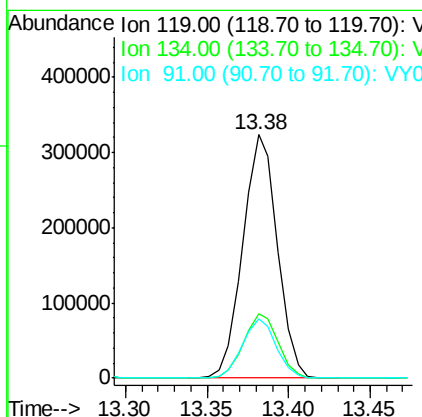
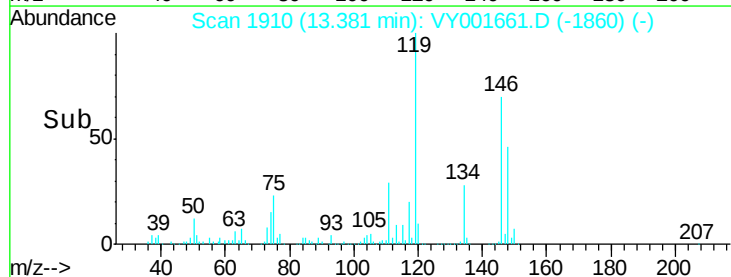
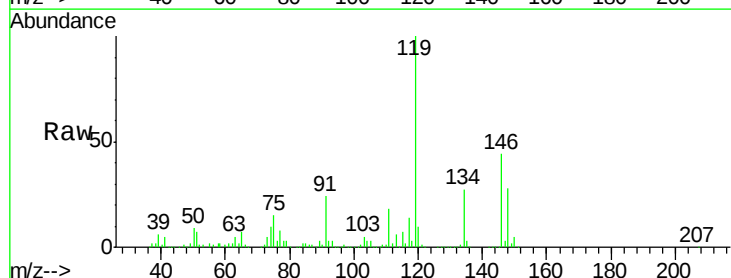
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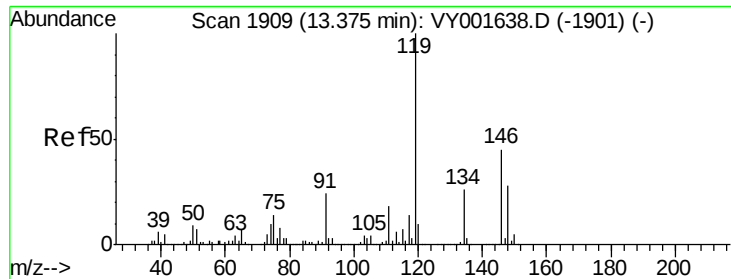
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#86
 p-Isopropyltoluene
 Concen: 50.163 ug/l
 RT: 13.38 min Scan# 1910
 Delta R.T. 0.01 min
 Lab File: VY001661.D
 Acq: 17 Feb 2020 20:48

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.6	13.0	39.0
91	23.9	12.2	36.6





#87

1,3-Dichlorobenzene

Concen: 50.459 ug/l

RT: 13.38 min Scan# 1910

Delta R.T. 0.01 min

Lab File: VY001661.D

Acq: 17 Feb 2020 20:48

Instrument :

MSVOA_Y

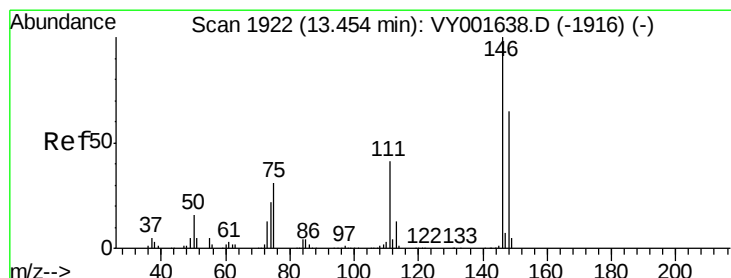
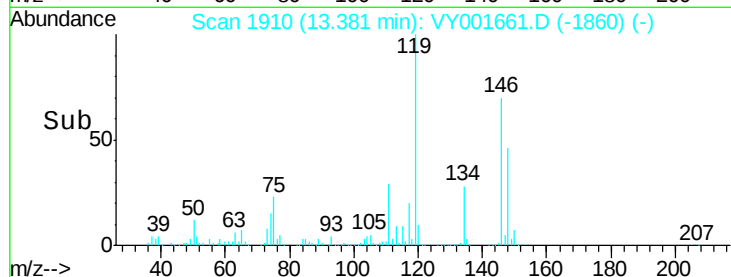
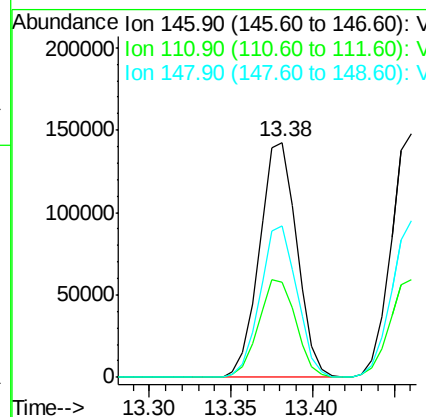
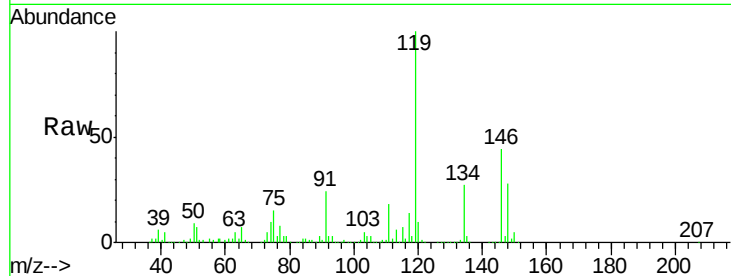
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	227399
Ion Ratio	Lower	Upper	
146	100		
111	41.5	21.4	64.3
148	63.6	31.6	94.7

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#88

1,4-Dichlorobenzene

Concen: 50.224 ug/l

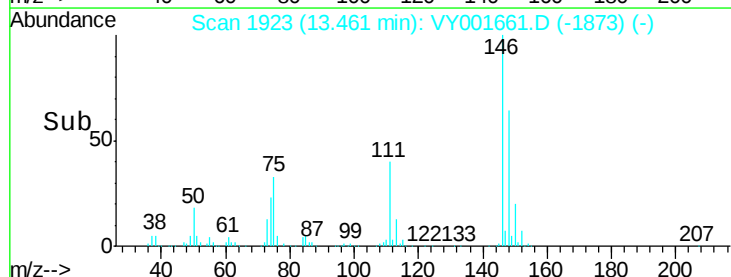
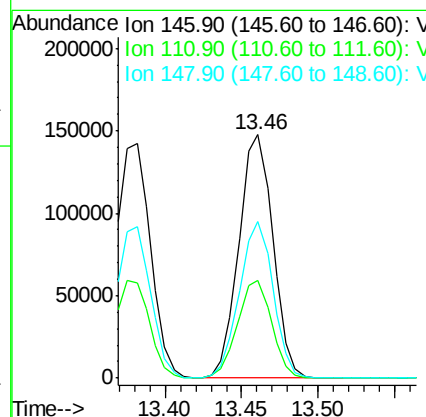
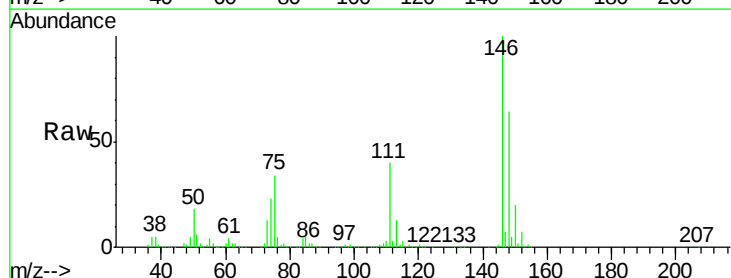
RT: 13.46 min Scan# 1923

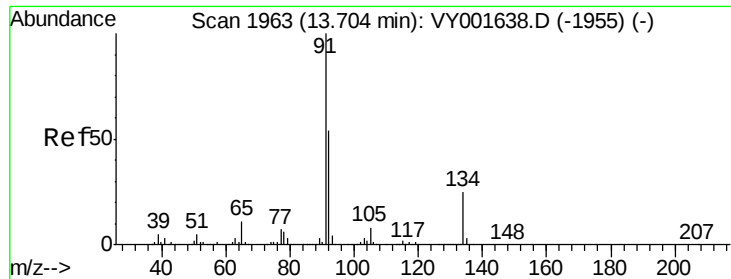
Delta R.T. 0.01 min

Lab File: VY001661.D

Acq: 17 Feb 2020 20:48

Tgt Ion:	146	Resp:	228791
Ion Ratio	Lower	Upper	
146	100		
111	40.3	20.4	61.3
148	63.8	31.6	94.7





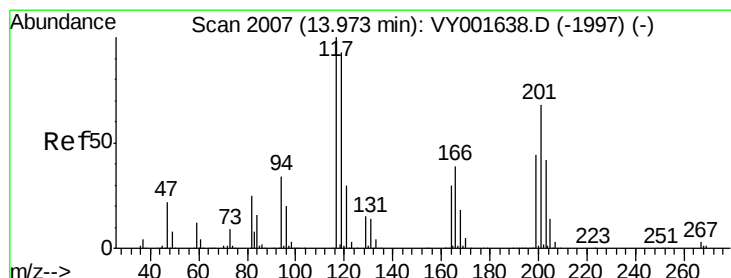
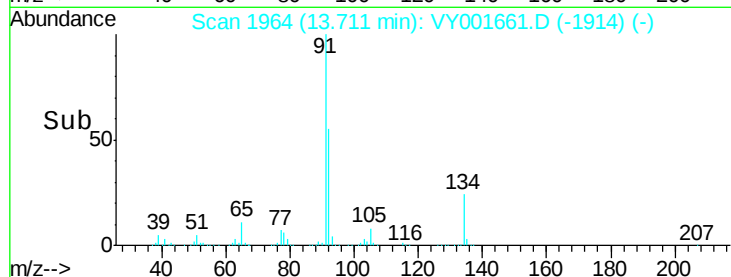
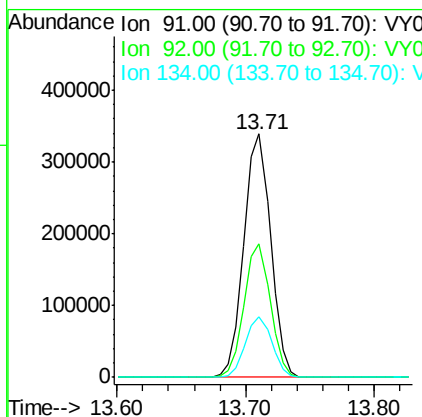
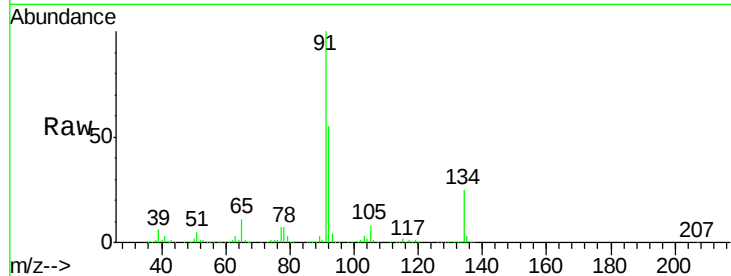
#89
n-Butylbenzene
Concen: 50.210 ug/l
RT: 13.71 min Scan# 1964
Delta R.T. 0.01 min
Lab File: VY001661.D
Acq: 17 Feb 2020 20:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
91	100	486465		
92	53.7		27.5	82.4
134	24.8		12.4	37.4

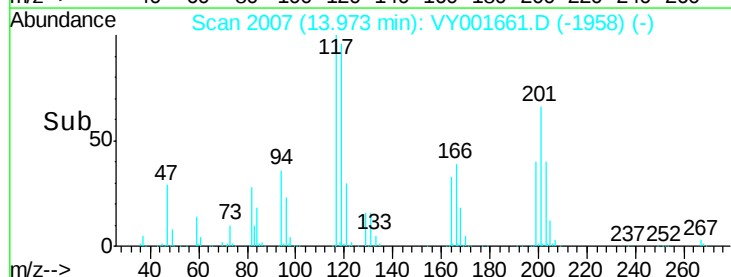
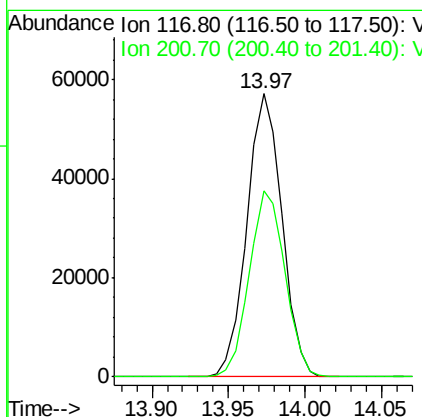
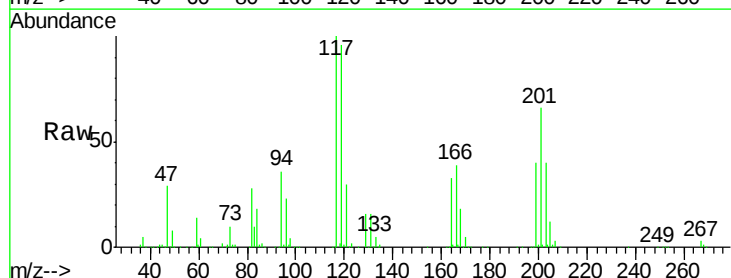
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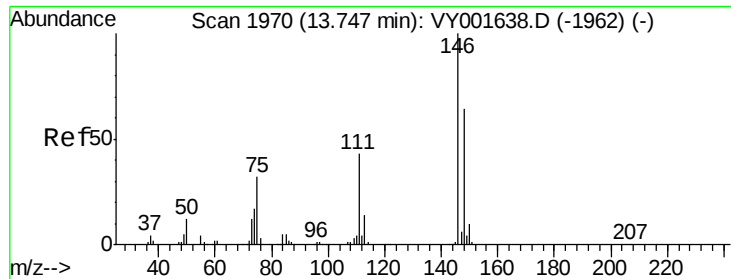
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#90
Hexachloroethane
Concen: 50.919 ug/l
RT: 13.97 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VY001661.D
Acq: 17 Feb 2020 20:48

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	90965		
201	67.1		32.5	97.4





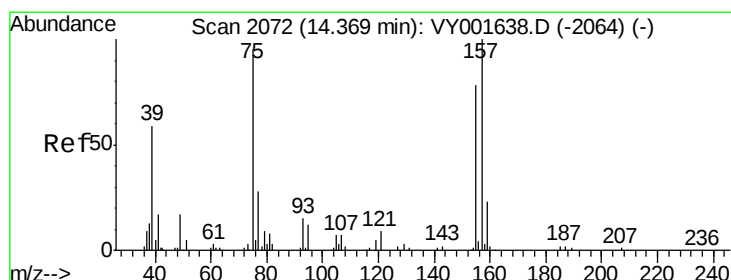
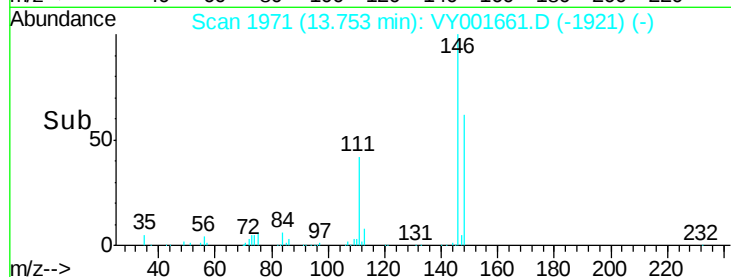
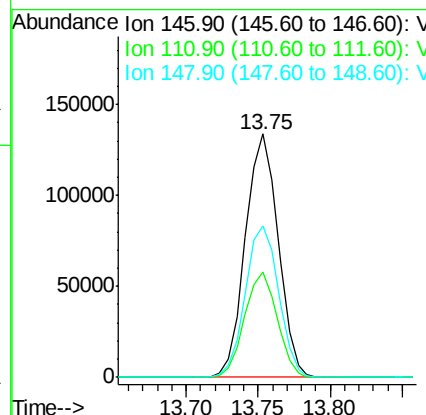
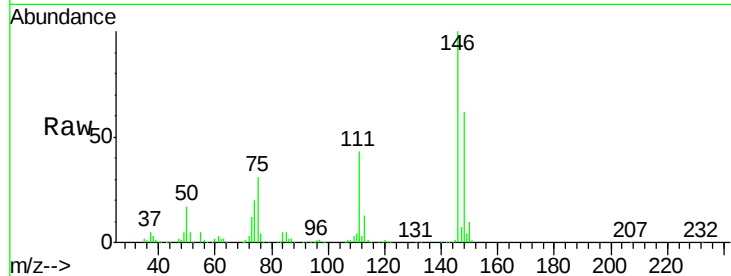
#91
 1,2-Dichlorobenzene
 Concen: 50.745 ug/l
 RT: 13.75 min Scan# 1971
 Delta R.T. 0.01 min
 Lab File: VY001661.D
 Acq: 17 Feb 2020 20:48

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.9	65.7
148	63.4	31.5	94.5

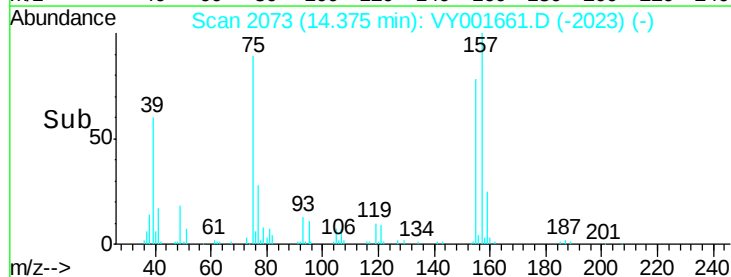
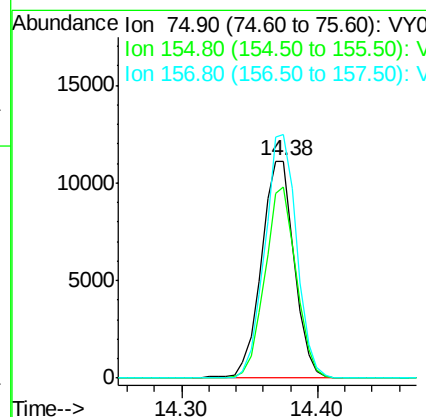
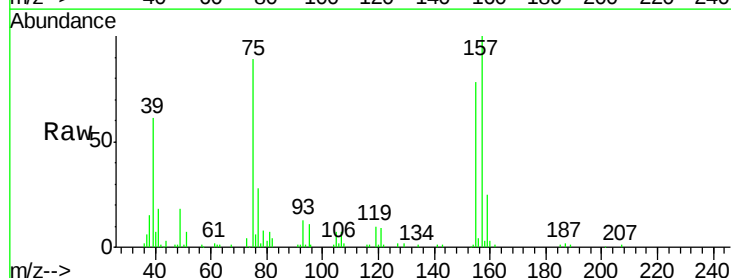
Manual Integrations
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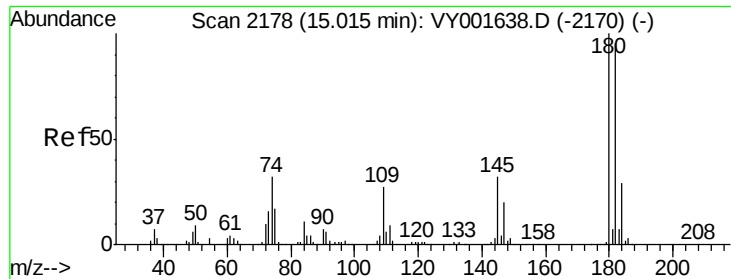
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.055 ug/l
 RT: 14.38 min Scan# 2073
 Delta R.T. 0.01 min
 Lab File: VY001661.D
 Acq: 17 Feb 2020 20:48

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.7	40.8	122.4
157	108.1	52.1	156.4





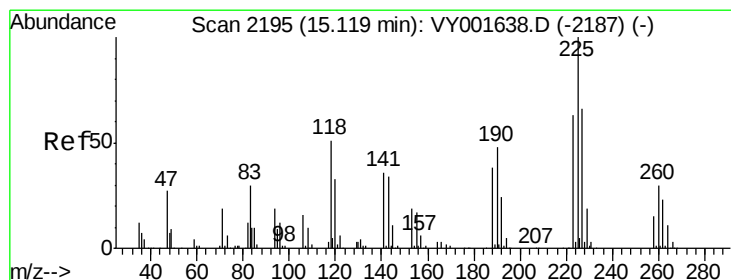
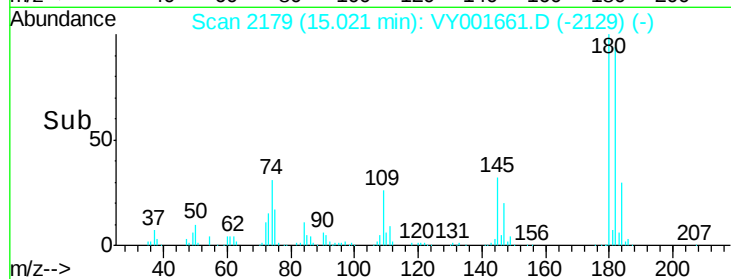
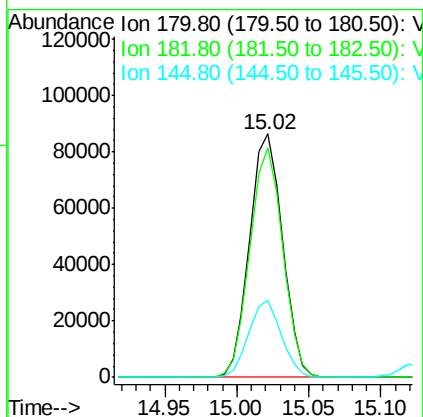
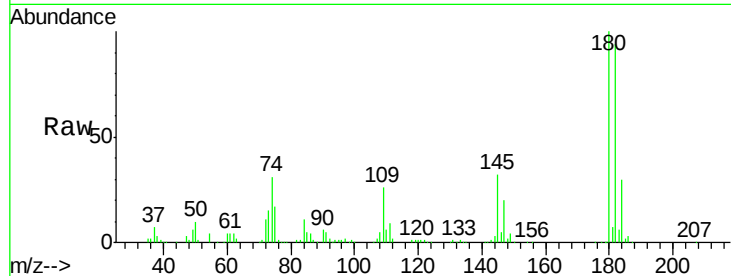
#93
1,2,4-Trichlorobenzene
Concen: 49.610 ug/l
RT: 15.02 min Scan# 2179
Delta R.T. 0.01 min
Lab File: VY001661.D
Acq: 17 Feb 2020 20:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	136728		
182	93.9	46.8	140.3	
145	31.4	16.2	48.5	

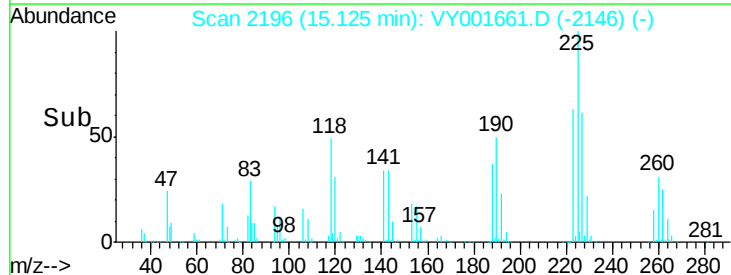
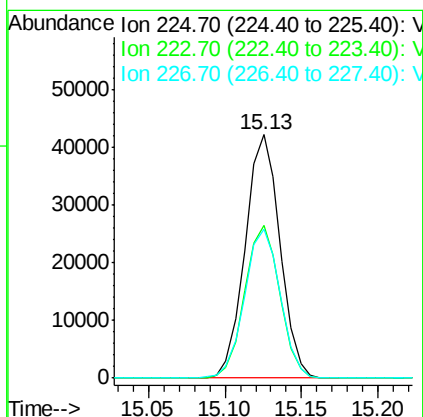
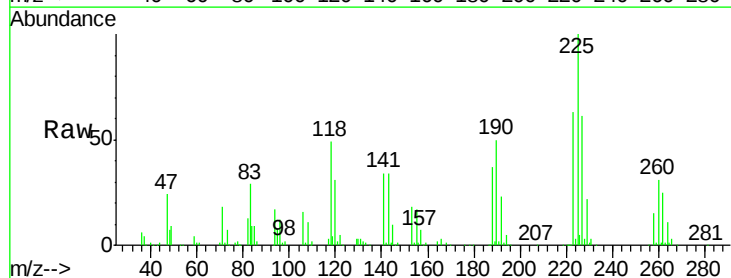
Manual Integrations
APPROVED

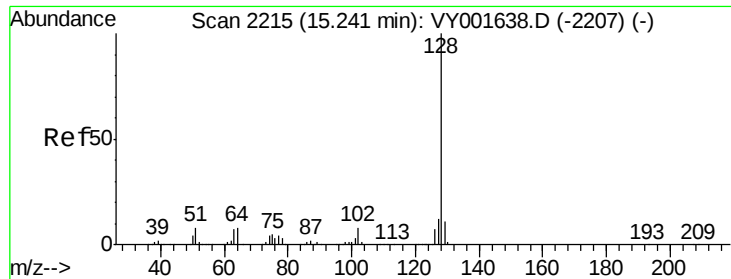
MMDadoda
2/19/2020 10:49:24 AM



#94
Hexachlorobutadiene
Concen: 48.536 ug/l
RT: 15.13 min Scan# 2196
Delta R.T. 0.01 min
Lab File: VY001661.D
Acq: 17 Feb 2020 20:48

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	66525		
223	63.0	31.4	94.0	
227	62.7	31.6	94.8	





#95

Naphthalene

Concen: 50.590 ug/l

RT: 15.25 min Scan# 2216

Delta R.T. 0.01 min

Lab File: VY001661.D

Acq: 17 Feb 2020 20:48

Instrument :

MSVOA_Y

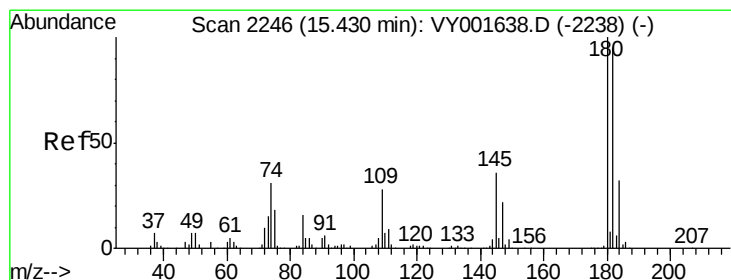
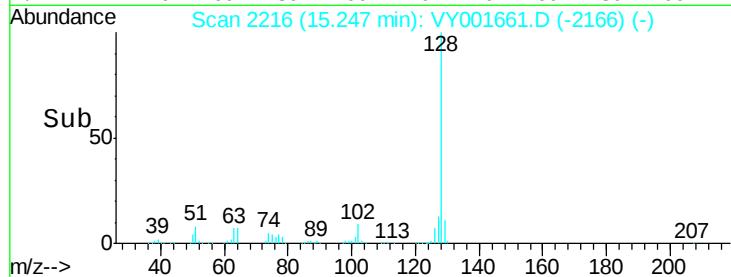
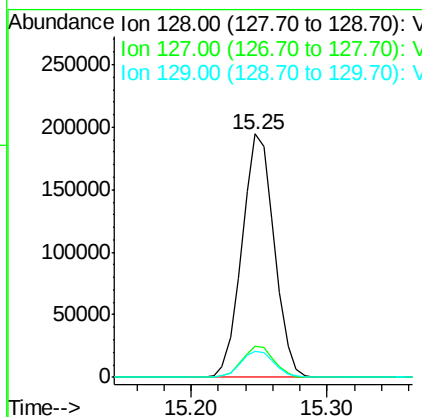
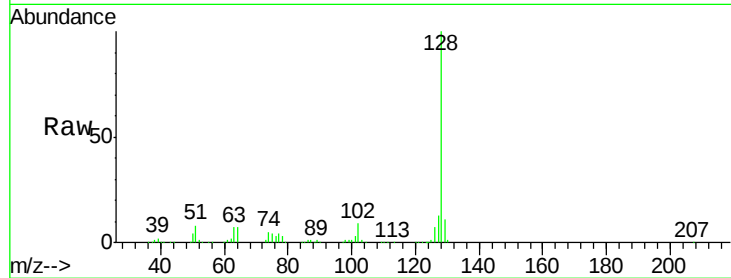
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	321481
Ion Ratio	Lower	Upper	
128	100		
127	12.6	9.9	14.9
129	11.1	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
2/19/2020 10:49:24 AM



#96

1,2,3-Trichlorobenzene

Concen: 49.696 ug/l

RT: 15.44 min Scan# 2247

Delta R.T. 0.01 min

Lab File: VY001661.D

Acq: 17 Feb 2020 20:48

Tgt Ion:	180	Resp:	120497
Ion Ratio	Lower	Upper	
180	100		
182	93.8	47.2	141.6
145	34.4	17.3	52.0

