

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY022020\
 Data File : VY001730.D
 Acq On : 20 Feb 2020 17:54
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/21/2020 3:23:31 PM

Quant Time: Feb 21 08:45:00 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	199444	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	362854	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	328572	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	152321	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.17	65	107730	50.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.44%	
35) Dibromofluoromethane	7.75	113	96761	46.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.12%	
50) Toluene-d8	10.19	98	405862	49.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.70%	
62) 4-Bromofluorobenzene	12.49	95	147956	46.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.56%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.91	85	108469	55.793	ug/l	99
3) Chloromethane	2.13	50	135582	51.849	ug/l	99
4) Vinyl Chloride	2.26	62	136038	51.578	ug/l	100
5) Bromomethane	2.66	94	88944	53.958	ug/l	98
6) Chloroethane	2.81	64	85577	52.654	ug/l	100
7) Trichlorofluoromethane	3.15	101	178671	52.930	ug/l	99
8) Diethyl Ether	3.55	74	71274	53.560	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.93	101	113086	53.299	ug/l	100
10) Methyl Iodide	4.11	142	132511	51.031	ug/l	99
11) Tert butyl alcohol	4.99	59	66603	270.016	ug/l #	87
12) 1,1-Dichloroethene	3.90	96	114798	53.049	ug/l	98
13) Acrolein	3.75	56	55620	256.709	ug/l	99
14) Allyl chloride	4.51	41	208806	54.217	ug/l	98
15) Acrylonitrile	5.20	53	189291	277.511	ug/l	100
16) Acetone	3.97	43	171446	230.965	ug/l	97
17) Carbon Disulfide	4.22	76	369016	51.077	ug/l	100
18) Methyl Acetate	4.50	43	87591	54.184	ug/l	99
19) Methyl tert-butyl Ether	5.25	73	324197	53.808	ug/l	99
20) Methylene Chloride	4.75	84	131709	49.953	ug/l	98
21) trans-1,2-Dichloroethene	5.25	96	127966	51.830	ug/l	96
22) Diisopropyl ether	6.15	45	429478	54.302	ug/l	98
23) Vinyl Acetate	6.10	43	1430436	277.267	ug/l	98
24) 1,1-Dichloroethane	6.05	63	227731	53.872	ug/l	99
25) 2-Butanone	7.02	43	259360	257.203	ug/l	99
26) 2,2-Dichloropropane	7.02	77	192529	52.349	ug/l	99
27) cis-1,2-Dichloroethene	7.02	96	144655	53.079	ug/l	99
28) Bromochloromethane	7.36	49	101723	57.767	ug/l	98
29) Tetrahydrofuran	7.38	42	170255	279.340	ug/l	98
30) Chloroform	7.53	83	217613	52.685	ug/l	100
31) Cyclohexane	7.81	56	231558	51.376	ug/l	99
32) 1,1,1-Trichloroethane	7.73	97	185807	53.523	ug/l	99
36) 1,1-Dichloropropene	7.94	75	180023	51.940	ug/l	99
37) Ethyl Acetate	7.11	43	111120	53.716	ug/l	100
38) Carbon Tetrachloride	7.92	117	156482	51.401	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	237664	51.687	ug/l	98
40) Benzene	8.19	78	531128	52.104	ug/l	98
41) Methacrylonitrile	7.35	41	49254m	47.419	ug/l	
42) 1,2-Dichloroethane	8.26	62	147306	53.044	ug/l	100
43) Isopropyl Acetate	8.30	43	214397	54.623	ug/l	99
44) Trichloroethene	8.96	130	130432	51.258	ug/l	99
45) 1,2-Dichloropropane	9.24	63	136821	53.595	ug/l	100
46) Dibromomethane	9.32	93	70840	53.054	ug/l	98
47) Bromodichloromethane	9.52	83	169845	52.704	ug/l	99
48) Methyl methacrylate	9.31	41	96268	54.232	ug/l	99
49) 1,4-Dioxane	9.31	88	19729	1046.129	ug/l	95
51) 4-Methyl-2-Pentanone	10.08	43	552016	273.732	ug/l	98
52) Toluene	10.26	92	330954	52.049	ug/l	99
53) t-1,3-Dichloropropene	10.48	75	189467	53.182	ug/l	100
54) cis-1,3-Dichloropropene	9.94	75	215988	52.676	ug/l	98
55) 1,1,2-Trichloroethane	10.66	97	104237	52.942	ug/l	99
56) Ethyl methacrylate	10.52	69	162103	54.882	ug/l	98
57) 1,3-Dichloropropane	10.80	76	186318	53.259	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	291843	263.785	ug/l	99
59) 2-Hexanone	10.85	43	392734	259.555	ug/l	99
60) Dibromochloromethane	11.00	129	112242	51.708	ug/l	99
61) 1,2-Dibromoethane	11.10	107	100891	54.195	ug/l	99
64) Tetrachloroethene	10.74	164	104165	50.501	ug/l	97
65) Chlorobenzene	11.53	112	336604	51.312	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.60	131	116170	52.498	ug/l	99
67) Ethyl Benzene	11.61	91	633643	52.050	ug/l	99
68) m/p-Xylenes	11.72	106	471565	103.700	ug/l	99
69) o-Xylene	12.04	106	226050	52.288	ug/l	98
70) Styrene	12.06	104	393691	52.399	ug/l	99
71) Bromoform	12.22	173	65880	52.095	ug/l #	99
73) Isopropylbenzene	12.34	105	605877	52.212	ug/l	100
74) N-amyl acetate	12.16	43	200554	54.154	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.59	83	134812	54.410	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	95542m	54.679	ug/l	
77) Bromobenzene	12.62	156	129207	51.363	ug/l	99
78) n-propylbenzene	12.69	91	751847	53.199	ug/l	100
79) 2-Chlorotoluene	12.77	91	418623	52.813	ug/l	100
80) 1,3,5-Trimethylbenzene	12.83	105	503639	52.431	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	48952	53.150	ug/l	96
82) 4-Chlorotoluene	12.87	91	441153	52.769	ug/l	100
83) tert-Butylbenzene	13.09	119	426517	53.090	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	506050	52.843	ug/l	100
85) sec-Butylbenzene	13.27	105	619007	52.389	ug/l	100
86) p-Isopropyltoluene	13.38	119	535277	52.148	ug/l	100
87) 1,3-Dichlorobenzene	13.38	146	251916	51.636	ug/l	99
88) 1,4-Dichlorobenzene	13.46	146	251148	50.927	ug/l	99
89) n-Butylbenzene	13.71	91	553961	52.816	ug/l	99
90) Hexachloroethane	13.97	117	101863	52.671	ug/l	99
91) 1,2-Dichlorobenzene	13.75	146	230582	51.214	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.37	75	22442	54.883	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	151017	50.616	ug/l	99
94) Hexachlorobutadiene	15.12	225	72470	48.841	ug/l	100
95) Naphthalene	15.25	128	365832	53.179	ug/l	100
96) 1,2,3-Trichlorobenzene	15.44	180	132465	50.466	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.00 min

Lab File: VY001730.D

Acq: 20 Feb 2020 17:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 199444

Ion Ratio Lower Upper

168 100

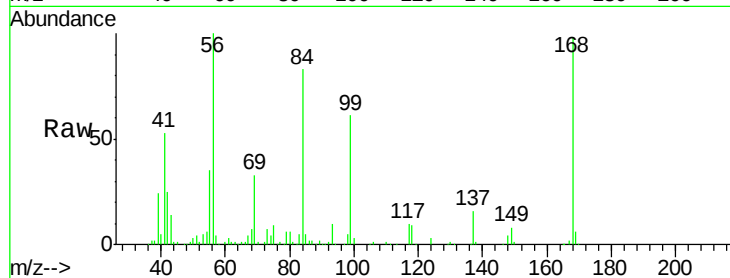
99 61.7 47.5 71.3

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VY001730.D (-948) (-)

Ion 98.90 (98.60 to 99.60): VY001730.D (-948) (-)

7.82

80000

60000

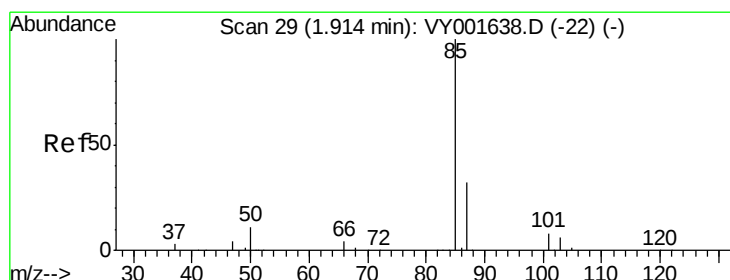
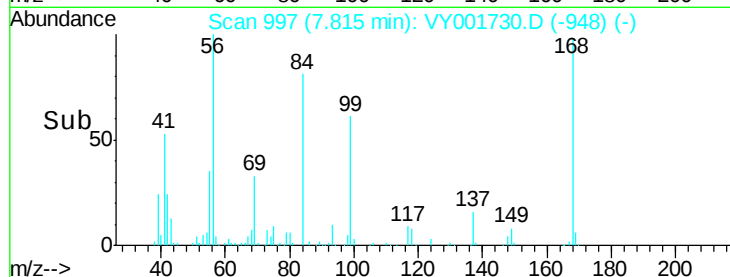
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 55.793 ug/l

RT: 1.91 min Scan# 29

Delta R.T. 0.00 min

Lab File: VY001730.D

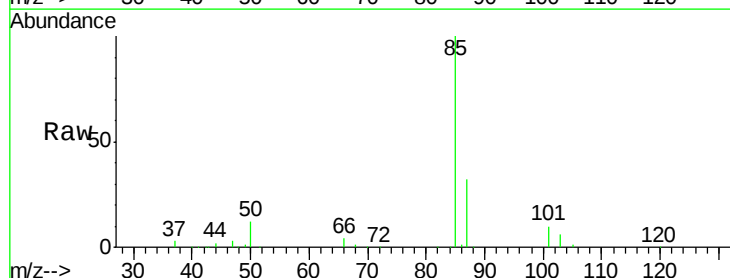
Acq: 20 Feb 2020 17:54

Tgt Ion: 85 Resp: 108469

Ion Ratio Lower Upper

85 100

87 31.9 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VY001730.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VY001730.D (-1) (-)

1.91

80000

60000

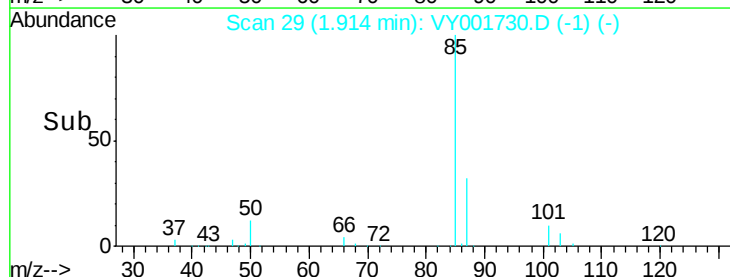
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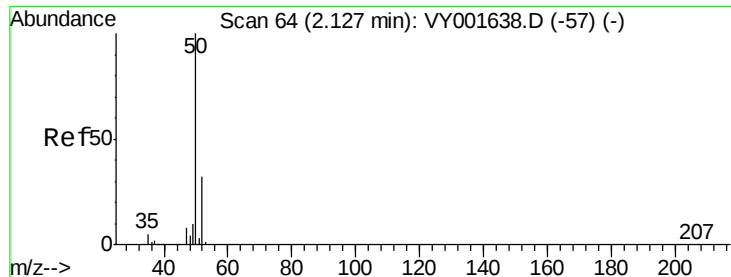
20000

0

1.85 1.90 1.95 2.00

Time-->





#3

Chloromethane

Concen: 51.849 ug/l

RT: 2.13 min Scan# 64

Delta R.T. 0.00 min

Lab File: VY001730.D

Acq: 20 Feb 2020 17:54

Instrument :

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ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 135582

Ion Ratio Lower Upper

50 100

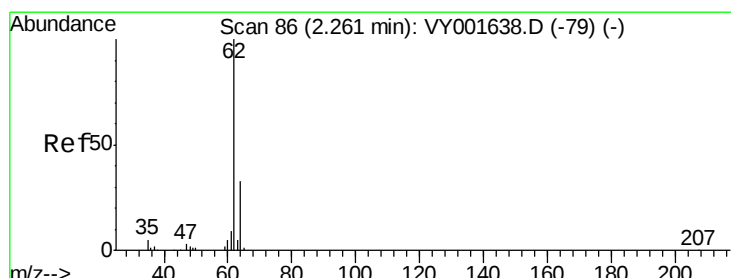
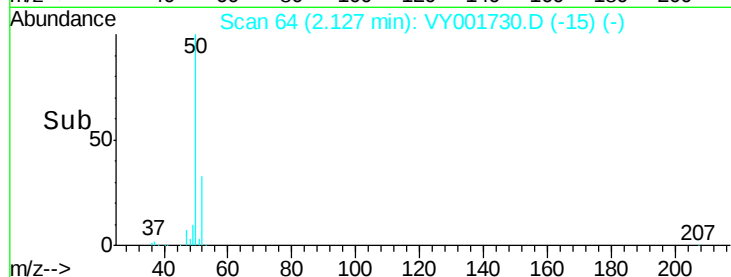
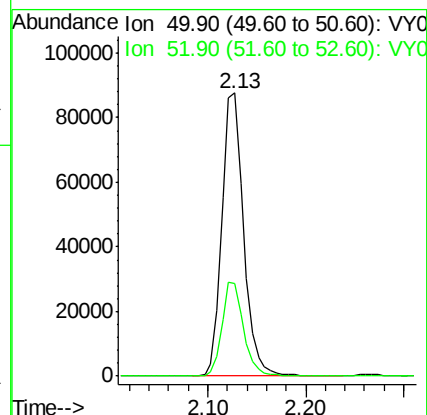
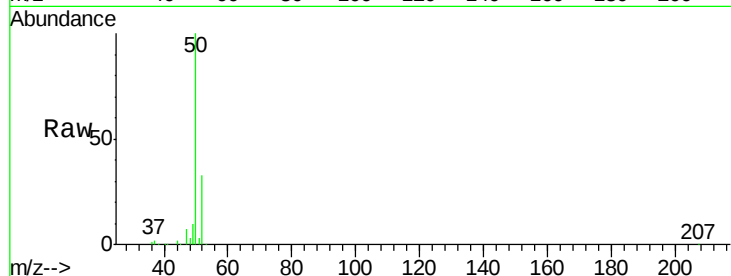
52 32.8 25.8 38.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 51.578 ug/l

RT: 2.26 min Scan# 86

Delta R.T. 0.00 min

Lab File: VY001730.D

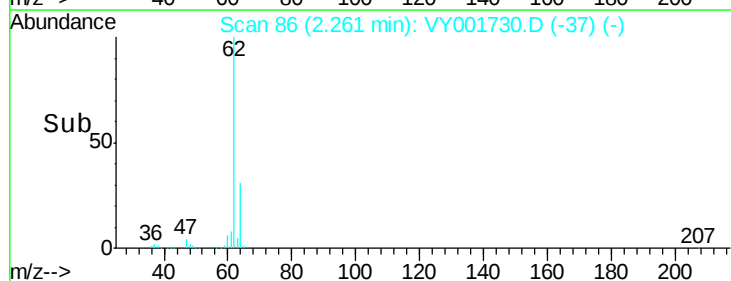
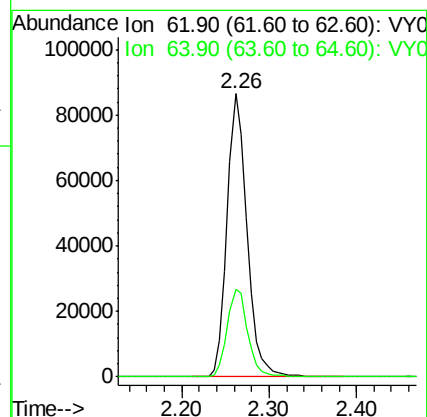
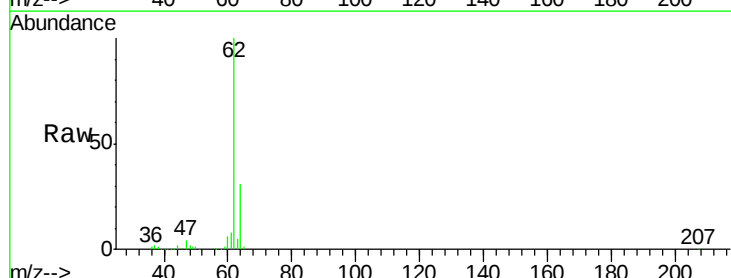
Acq: 20 Feb 2020 17:54

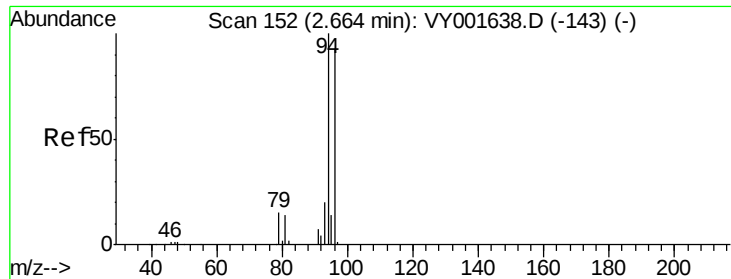
Tgt Ion: 62 Resp: 136038

Ion Ratio Lower Upper

62 100

64 31.0 24.9 37.3





#5

Bromomethane

Concen: 53.958 ug/l

RT: 2.66 min Scan# 152

Delta R.T. 0.00 min

Lab File: VY001730.D

Acq: 20 Feb 2020 17:54

Instrument :

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ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 88944

Ion Ratio Lower Upper

94 100

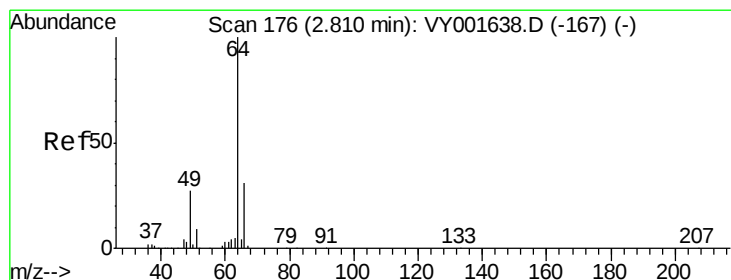
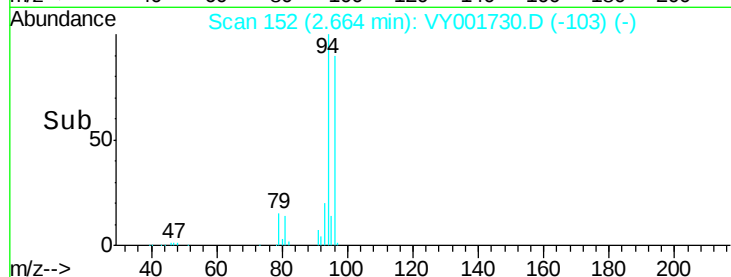
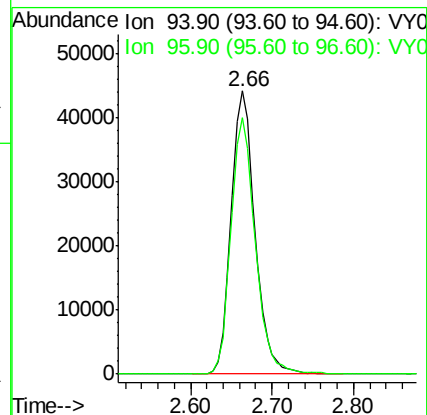
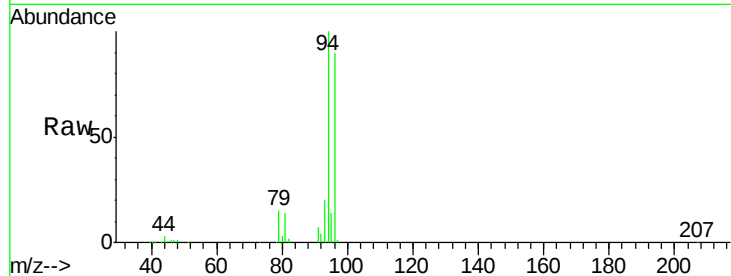
96 90.4 73.7 110.5

Manual Integrations

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#6

Chloroethane

Concen: 52.654 ug/l

RT: 2.81 min Scan# 176

Delta R.T. 0.00 min

Lab File: VY001730.D

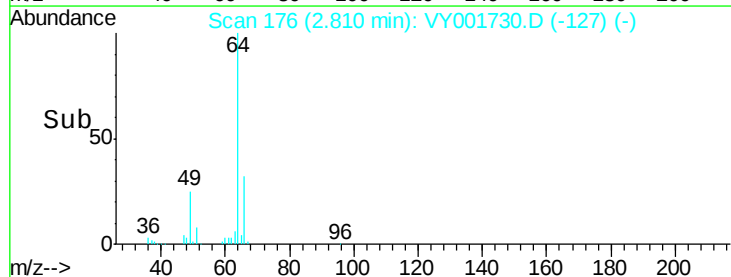
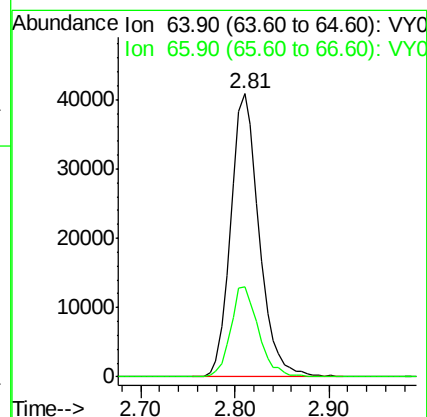
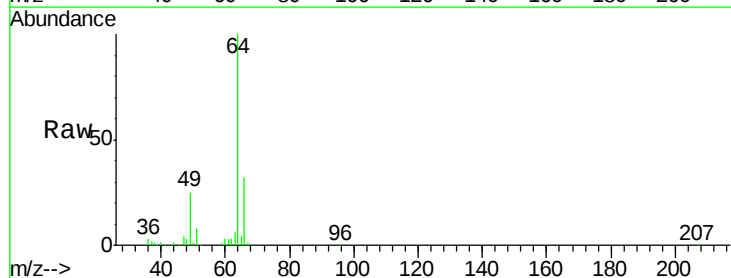
Acq: 20 Feb 2020 17:54

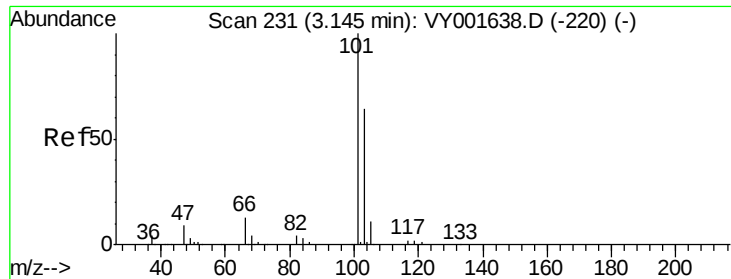
Tgt Ion: 64 Resp: 85577

Ion Ratio Lower Upper

64 100

66 31.8 25.5 38.3





#7

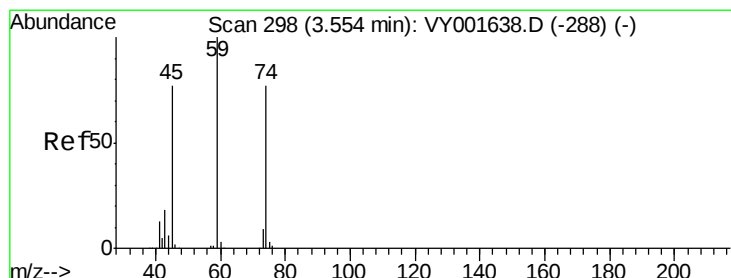
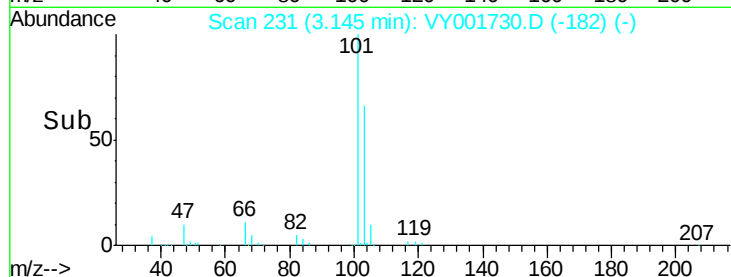
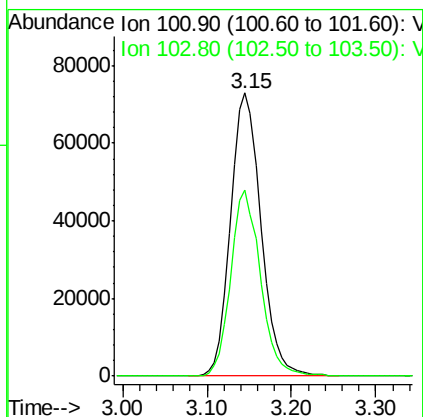
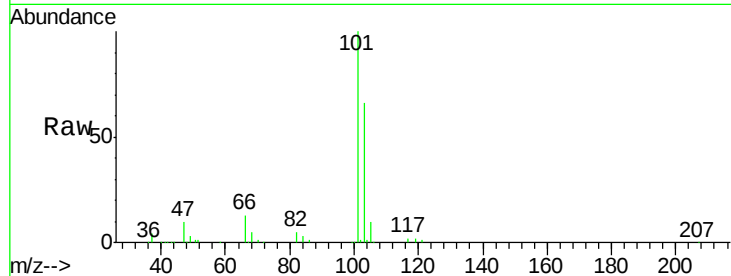
Trichlorofluoromethane
Concen: 52.930 ug/l
RT: 3.15 min Scan# 231
Delta R.T. 0.00 min
Lab File: VY001730.D
Acq: 20 Feb 2020 17:54

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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.8	52.2	78.2

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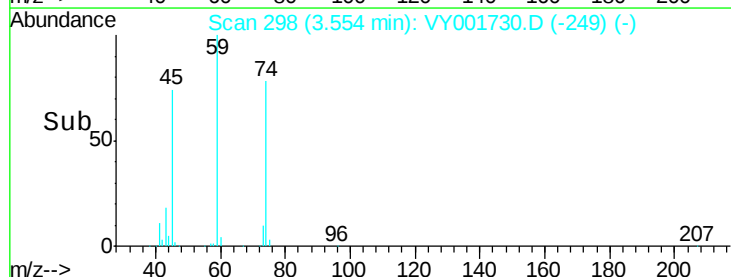
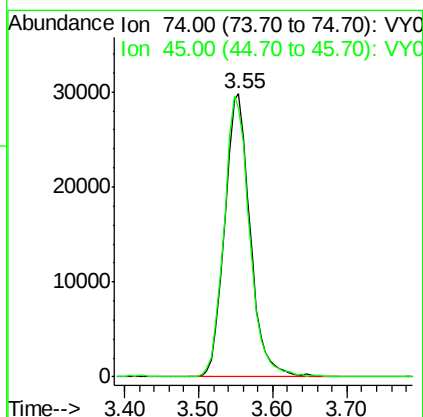
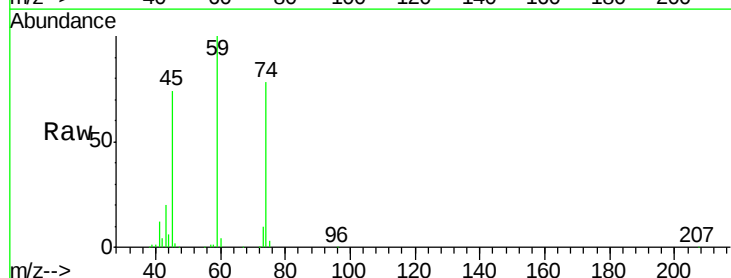
MMDadoda
2/21/2020 3:23:31 PM

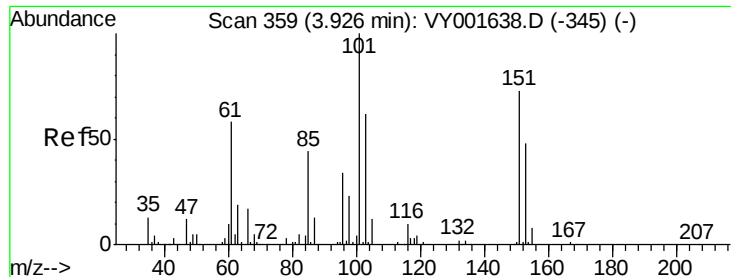


#8

Diethyl Ether
Concen: 53.560 ug/l
RT: 3.55 min Scan# 298
Delta R.T. 0.00 min
Lab File: VY001730.D
Acq: 20 Feb 2020 17:54

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.4	49.6	148.8





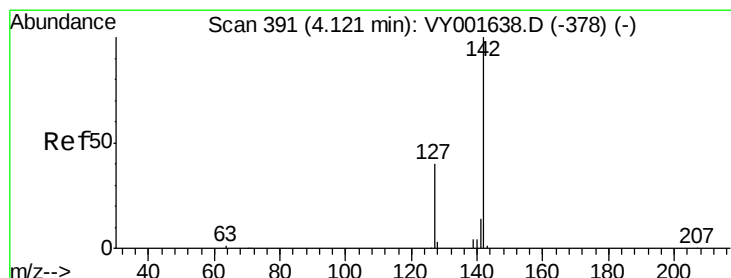
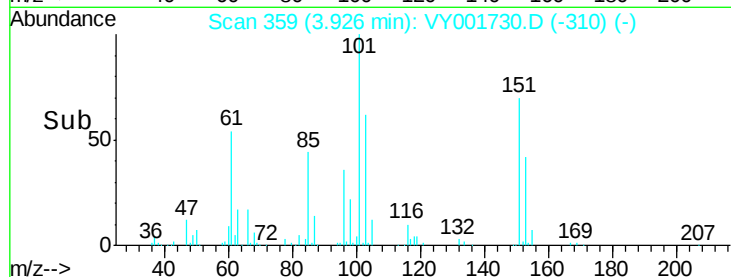
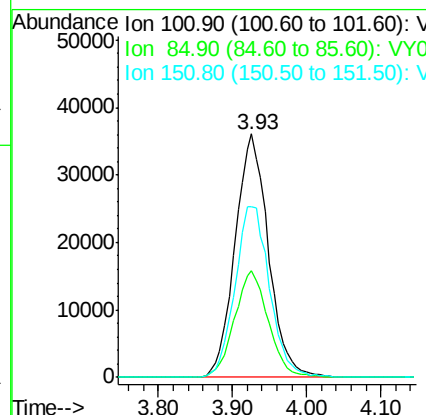
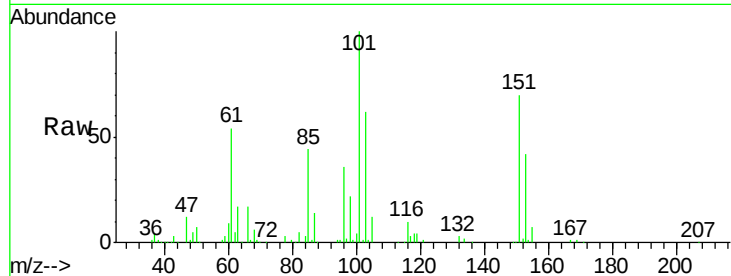
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 53.299 ug/l
 RT: 3.93 min Scan# 359
 Delta R.T. 0.00 min
 Lab File: VY001730.D
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	113086		
85	44.4	35.1	52.7	
151	73.2	58.4	87.6	

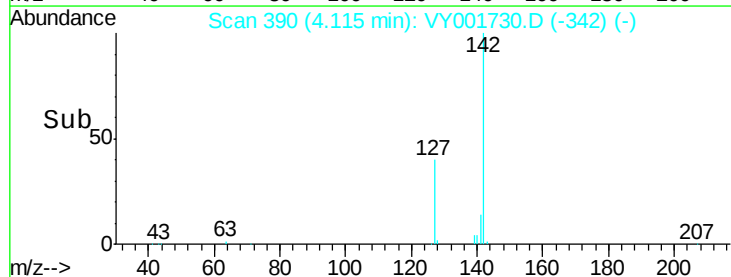
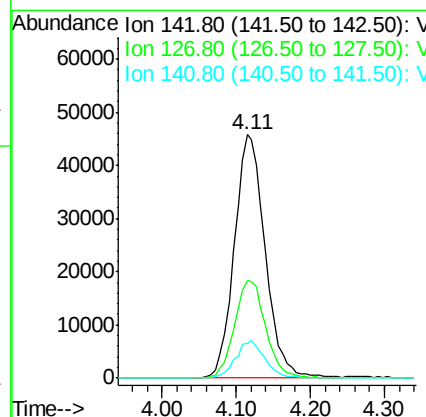
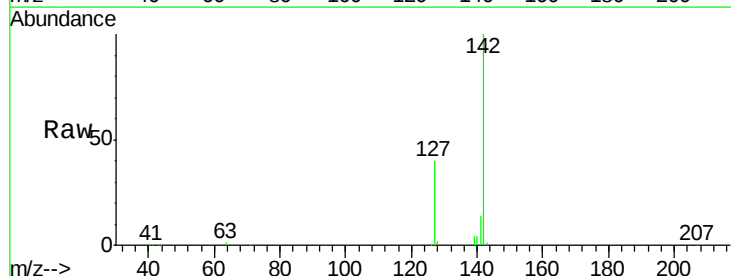
Manual Integrations
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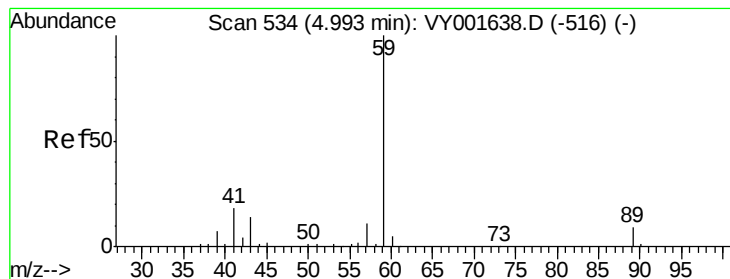
MMDadoda
 2/21/2020 3:23:31 PM



#10
 Methyl Iodide
 Concen: 51.031 ug/l
 RT: 4.11 min Scan# 390
 Delta R.T. -0.01 min
 Lab File: VY001730.D
 Acq: 20 Feb 2020 17:54

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	132511		
127	40.5	32.1	48.1	
141	14.6	11.3	16.9	





#11

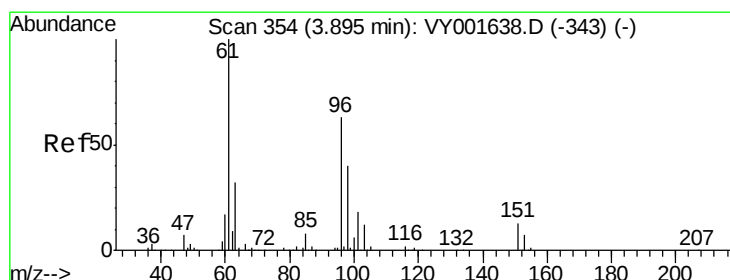
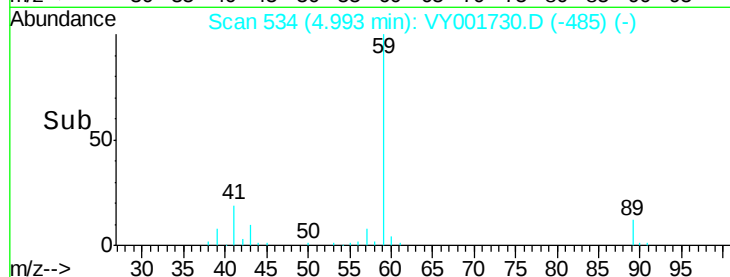
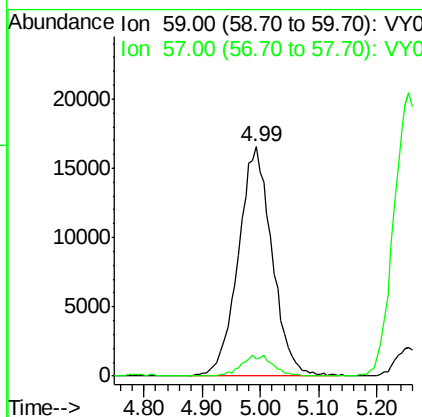
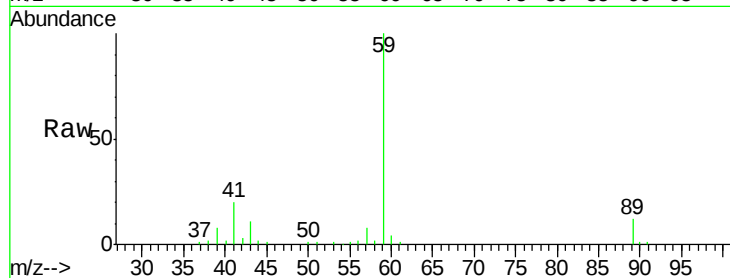
Tert butyl alcohol
 Concen: 270.016 ug/l
 RT: 4.99 min Scan# 534
 Delta R.T. 0.00 min
 Lab File: VY001730.D
 Acq: 20 Feb 2020 17:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	4.4	7.4	11.2#

Manual Integrations
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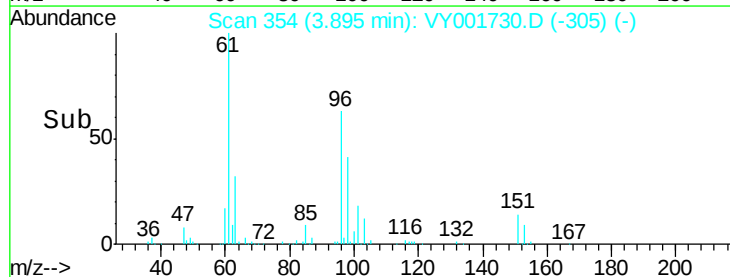
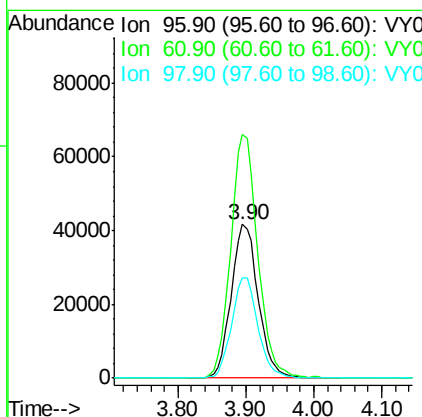
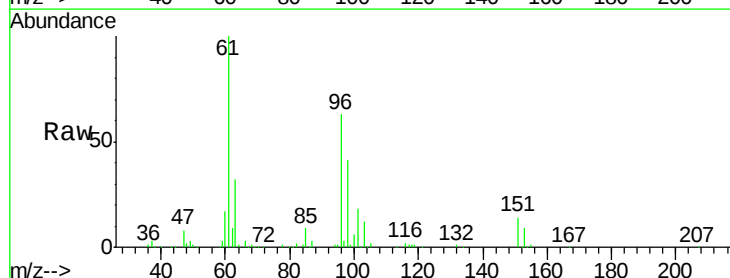
MMDadoda
 2/21/2020 3:23:31 PM

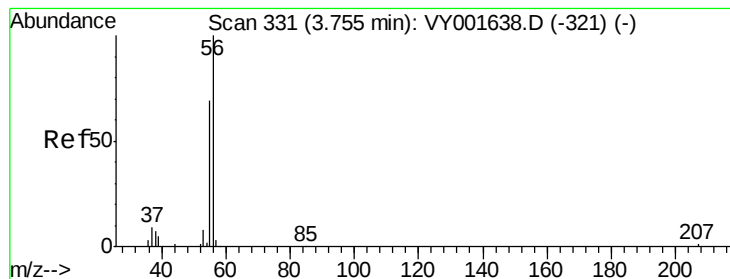


#12

1,1-Dichloroethene
 Concen: 53.049 ug/l
 RT: 3.90 min Scan# 354
 Delta R.T. 0.00 min
 Lab File: VY001730.D
 Acq: 20 Feb 2020 17:54

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.5	128.7	193.1
98	65.0	50.7	76.1





#13

Acrolein

Concen: 256.709 ug/l

RT: 3.75 min Scan# 331

Delta R.T. 0.00 min

Lab File: VY001730.D

Acq: 20 Feb 2020 17:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 55620

Ion Ratio Lower Upper

56 100

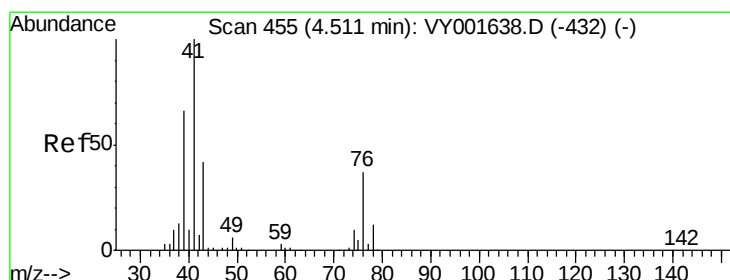
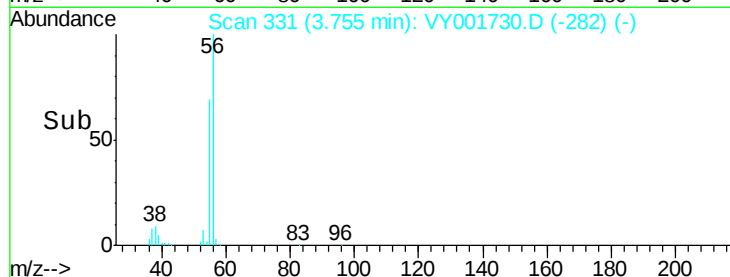
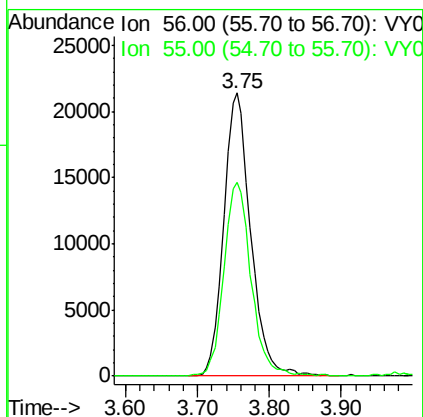
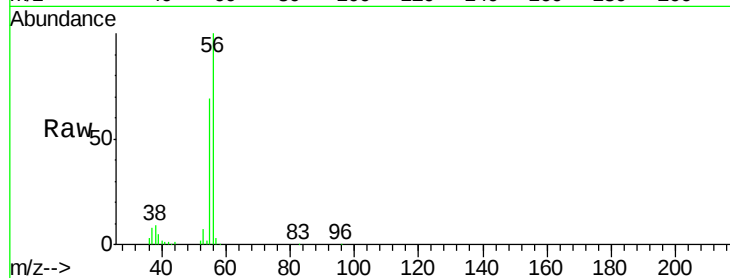
55 69.2 56.1 84.1

Manual Integrations

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#14

Allyl chloride

Concen: 54.217 ug/l

RT: 4.51 min Scan# 455

Delta R.T. 0.00 min

Lab File: VY001730.D

Acq: 20 Feb 2020 17:54

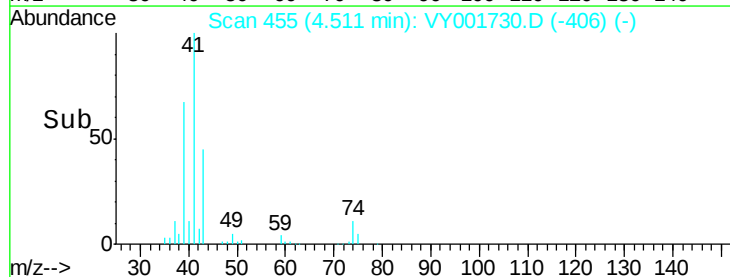
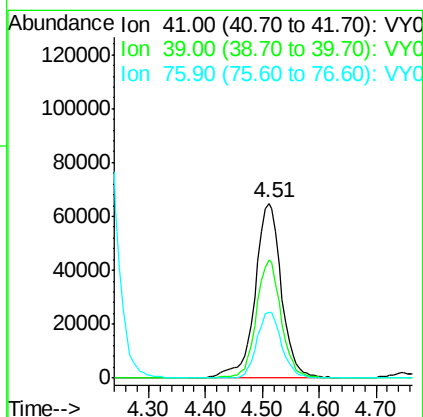
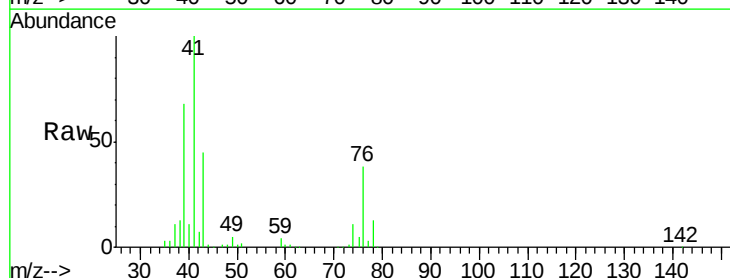
Tgt Ion: 41 Resp: 208806

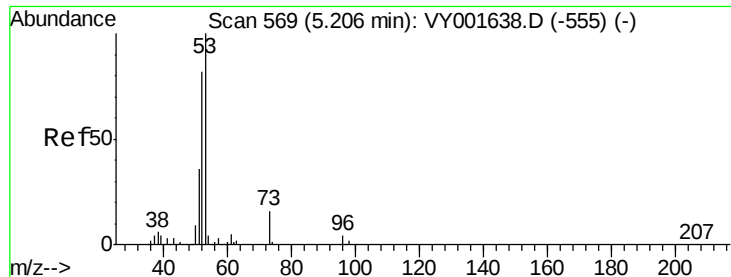
Ion Ratio Lower Upper

41 100

39 63.7 49.4 74.0

76 35.5 29.0 43.6





#15

Acrylonitrile

Concen: 277.511 ug/l

RT: 5.20 min Scan# 568

Delta R.T. -0.01 min

Lab File: VY001730.D

Acq: 20 Feb 2020 17:54

Instrument :

MSVOA_Y

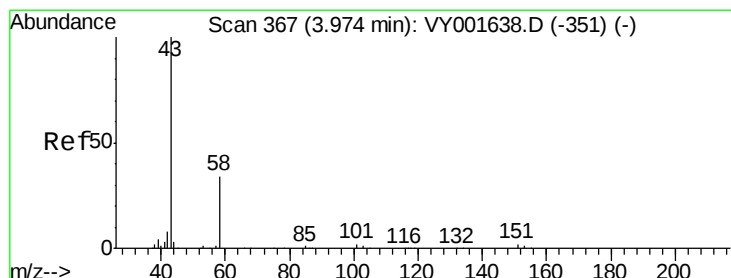
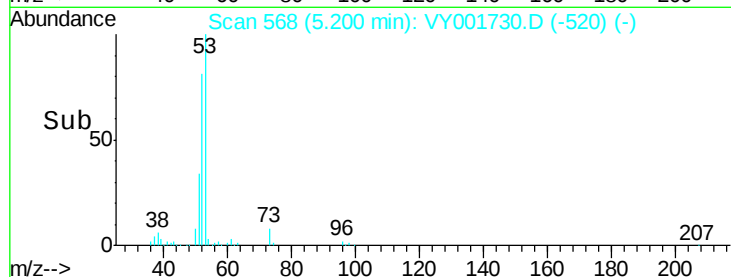
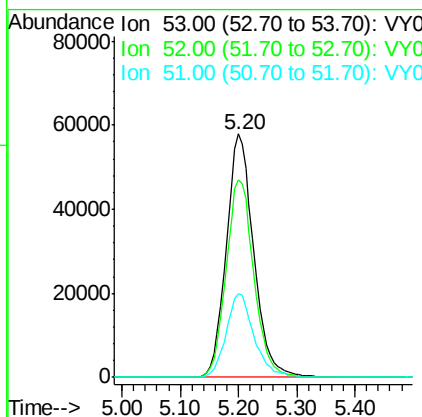
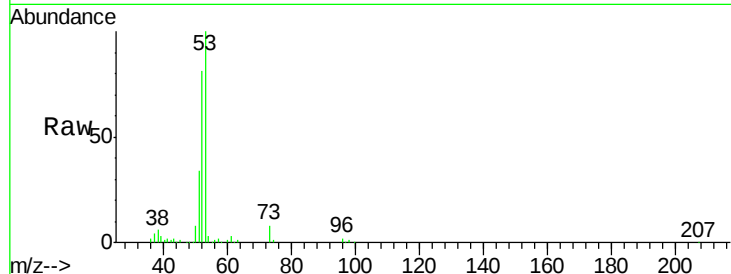
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	189291
Ion Ratio	Lower	Upper	
53	100		
52	81.9	65.4	98.0
51	34.9	28.0	42.0

Manual Integrations
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#16

Acetone

Concen: 230.965 ug/l

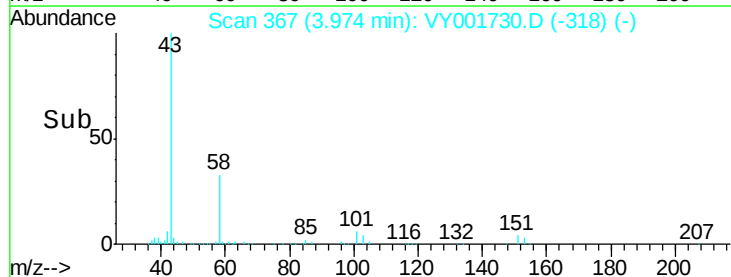
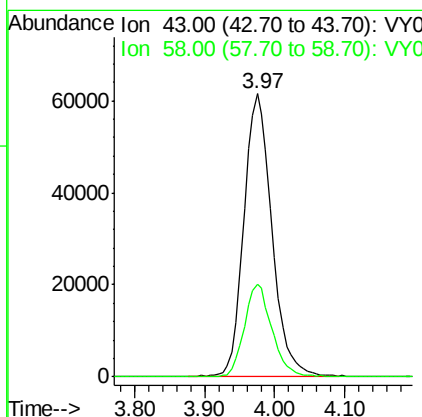
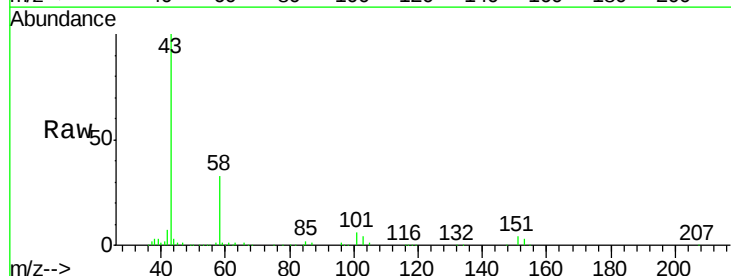
RT: 3.97 min Scan# 367

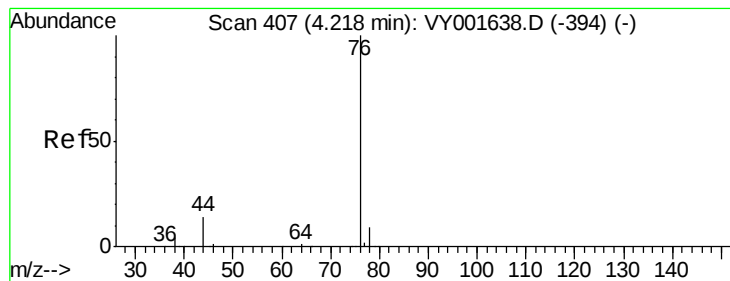
Delta R.T. 0.00 min

Lab File: VY001730.D

Acq: 20 Feb 2020 17:54

Tgt Ion:	43	Resp:	171446
Ion Ratio	Lower	Upper	
43	100		
58	32.6	27.3	40.9





#17

Carbon Disulfide

Concen: 51.077 ug/l

RT: 4.22 min Scan# 407

Delta R.T. 0.00 min

Lab File: VY001730.D

Acq: 20 Feb 2020 17:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 369016

Ion Ratio Lower Upper

76 100

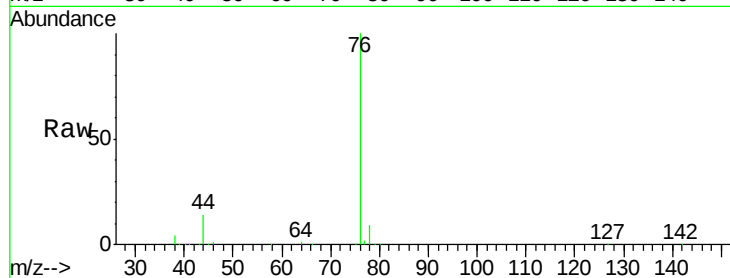
78 9.0 7.3 10.9

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0

4.22

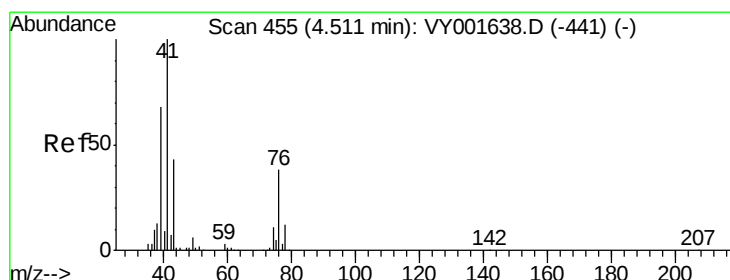
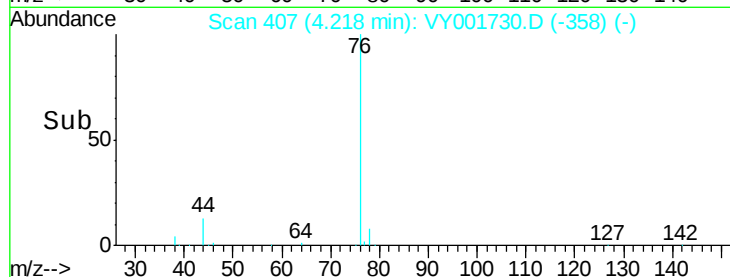
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 54.184 ug/l

RT: 4.50 min Scan# 454

Delta R.T. -0.01 min

Lab File: VY001730.D

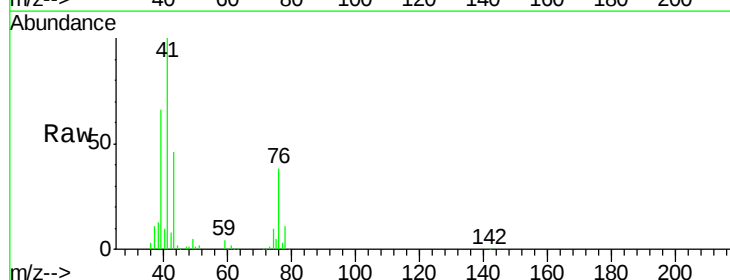
Acq: 20 Feb 2020 17:54

Tgt Ion: 43 Resp: 87591

Ion Ratio Lower Upper

43 100

74 23.5 19.1 28.7



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0

4.50

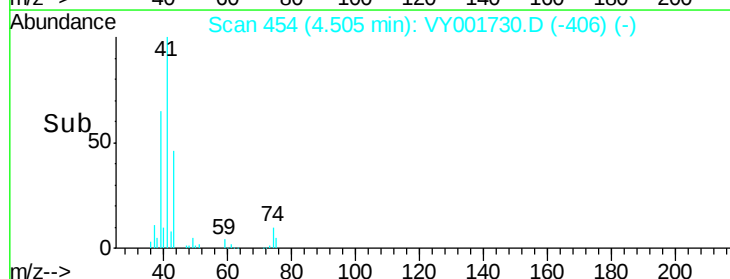
30000

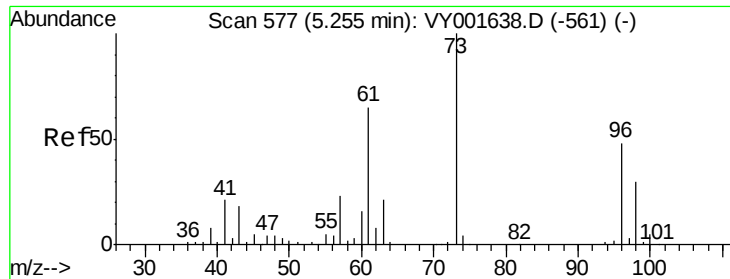
20000

10000

0

Time-->





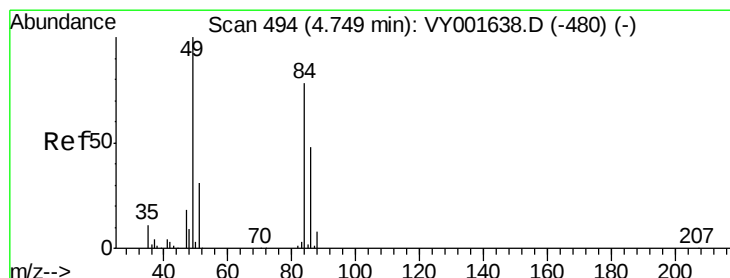
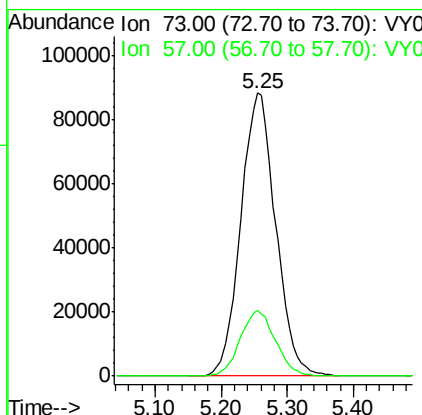
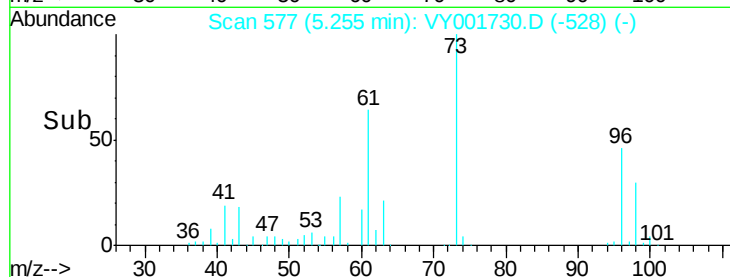
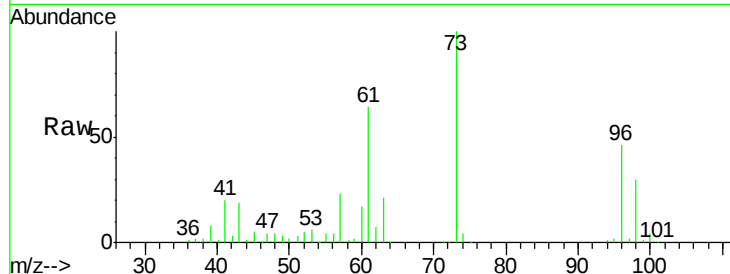
#19
Methvl tert-butvl Ether
Concen: 53.808 ug/l
RT: 5.25 min Scan# 577
Delta R.T. 0.00 min
Lab File: VY001730.D
Acq: 20 Feb 2020 17:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 324197
Ion Ratio Lower Upper
73 100
57 23.1 19.0 28.6

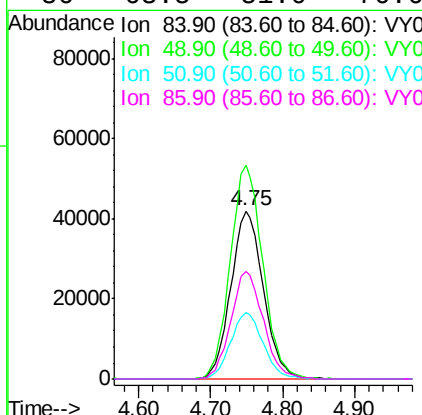
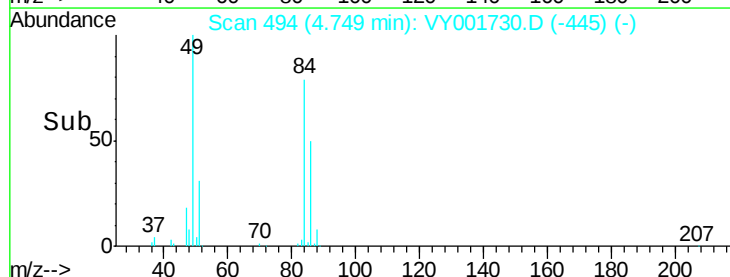
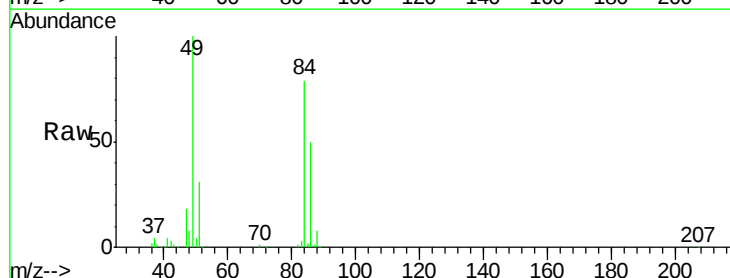
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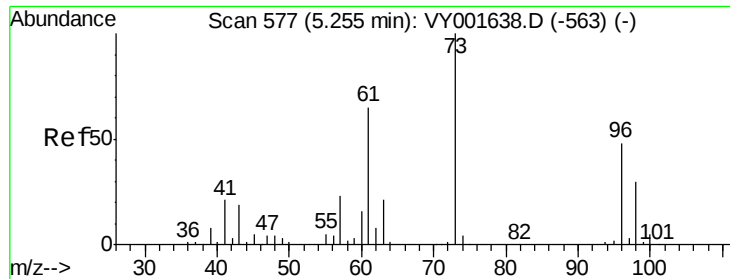
MMDadoda
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#20
Methylene Chloride
Concen: 49.953 ug/l
RT: 4.75 min Scan# 494
Delta R.T. 0.00 min
Lab File: VY001730.D
Acq: 20 Feb 2020 17:54

Tgt Ion: 84 Resp: 131709
Ion Ratio Lower Upper
84 100
49 126.9 99.2 148.8
51 39.8 31.5 47.3
86 63.5 51.0 76.6





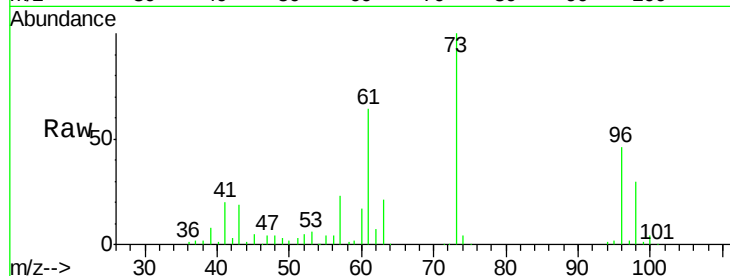
#21
trans-1,2-Dichloroethene
Concen: 51.830 ug/l
RT: 5.25 min Scan# 577
Delta R.T. 0.00 min
Lab File: VY001730.D
Acq: 20 Feb 2020 17:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

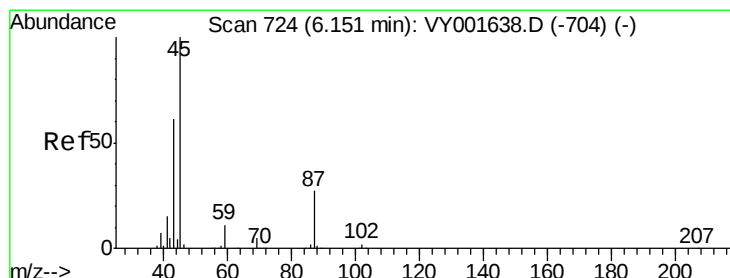
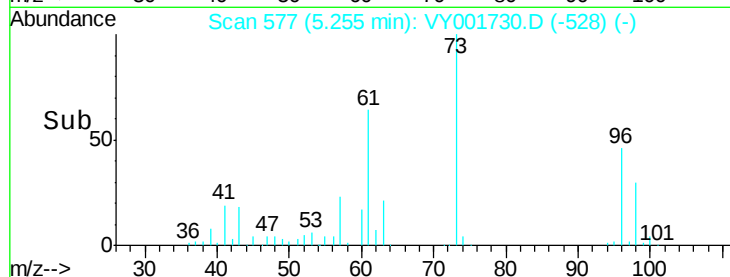
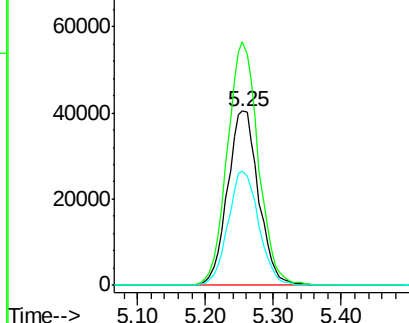
Tot Ion	Ratio	Lower	Upper
96	100		
61	140.0	107.9	161.9
98	65.5	49.8	74.8

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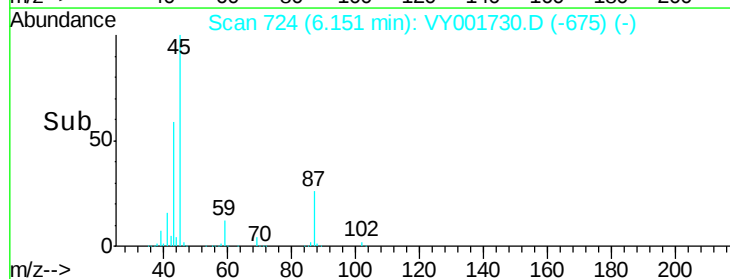
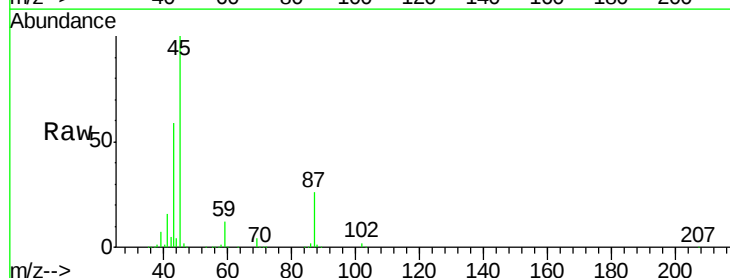
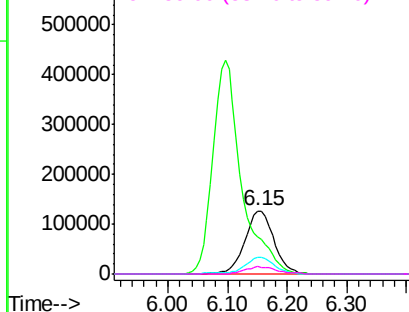
Abundance Ion 95.90 (95.60 to 96.60): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 97.90 (97.60 to 98.60): VY0

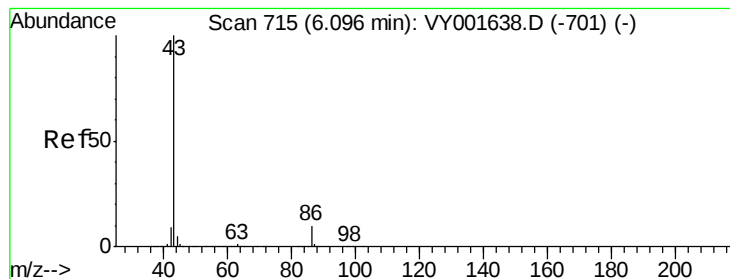


#22
Diisopropyl ether
Concen: 54.302 ug/l
RT: 6.15 min Scan# 724
Delta R.T. 0.00 min
Lab File: VY001730.D
Acq: 20 Feb 2020 17:54

Tgt Ion	Ratio	Lower	Upper
45	100		
43	59.1	46.4	69.6
87	25.6	22.1	33.1
59	11.5	9.4	14.0

Abundance Ion 45.00 (44.70 to 45.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 87.00 (86.70 to 87.70): VY0
Ion 59.00 (58.70 to 59.70): VY0





#23

Vinyl Acetate

Concen: 277.267 ug/l

RT: 6.10 min Scan# 715

Delta R.T. 0.00 min

Lab File: VY001730.D

Acq: 20 Feb 2020 17:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1430436

Ion Ratio Lower Upper

43 100

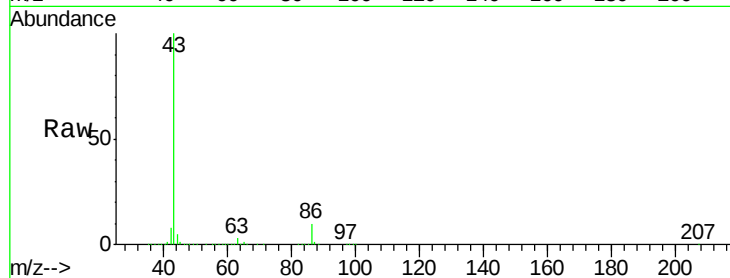
86 10.2 8.8 13.2

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

500000

400000

300000

200000

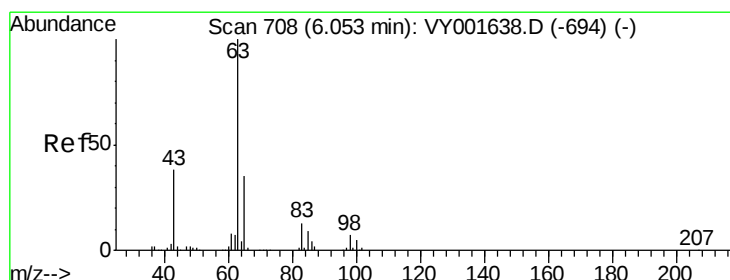
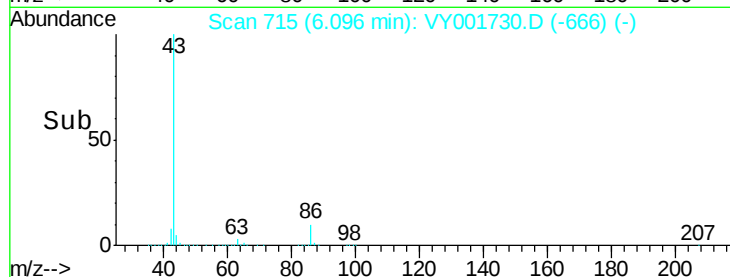
100000

0

6.10

6.00 6.20 6.40

Time-->



#24

1,1-Dichloroethane

Concen: 53.872 ug/l

RT: 6.05 min Scan# 708

Delta R.T. 0.00 min

Lab File: VY001730.D

Acq: 20 Feb 2020 17:54

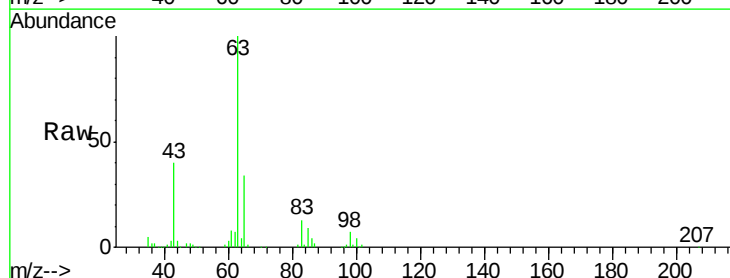
Tgt Ion: 63 Resp: 227731

Ion Ratio Lower Upper

63 100

98 7.4 3.4 10.2

100 4.4 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

100000

80000

60000

40000

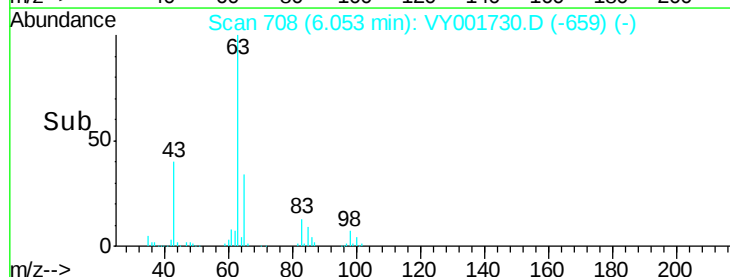
20000

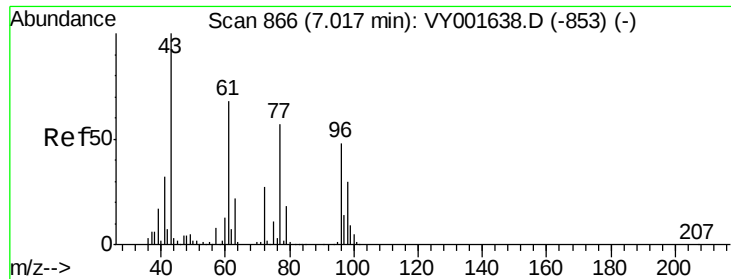
0

6.05

5.90 6.00 6.10 6.20

Time-->





#25

2-Butanone

Concen: 257.203 ug/l

RT: 7.02 min Scan# 867

Delta R.T. 0.01 min

Lab File: VY001730.D

Acq: 20 Feb 2020 17:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 259360

Ion Ratio Lower Upper

43 100

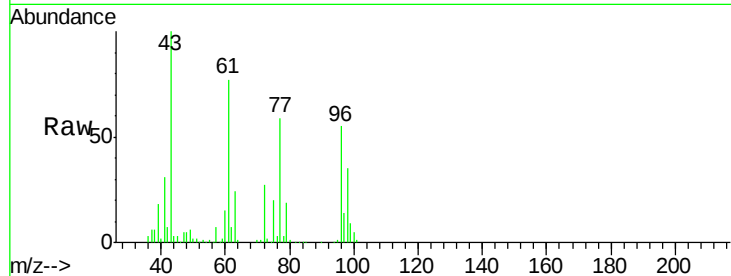
72 27.0 21.2 31.8

Manual Integrations

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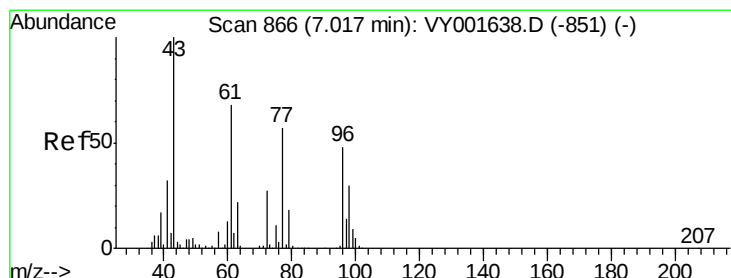
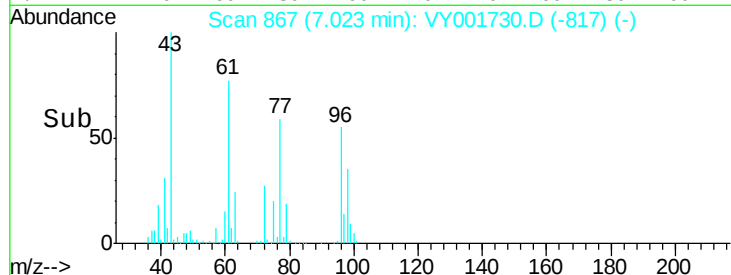
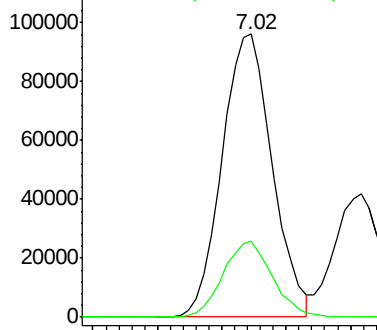
MMDadoda

2/21/2020 3:23:31 PM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#26

2,2-Dichloropropane

Concen: 52.349 ug/l

RT: 7.02 min Scan# 866

Delta R.T. 0.00 min

Lab File: VY001730.D

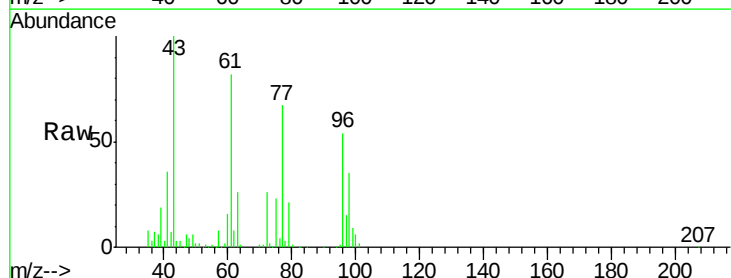
Acq: 20 Feb 2020 17:54

Tgt Ion: 77 Resp: 192529

Ion Ratio Lower Upper

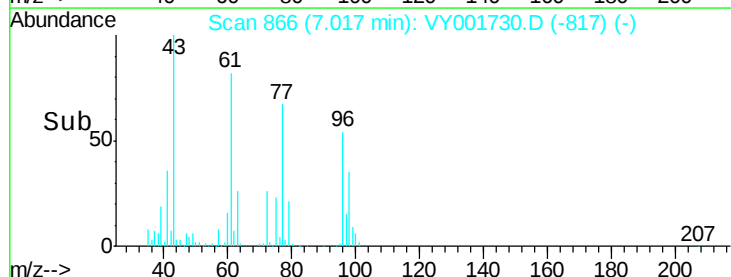
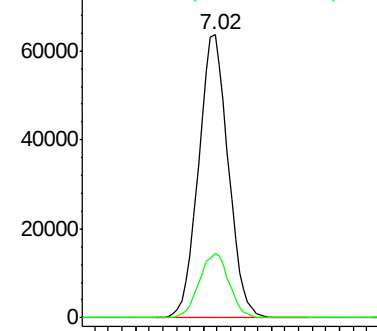
77 100

97 22.9 11.8 35.4



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0





#27

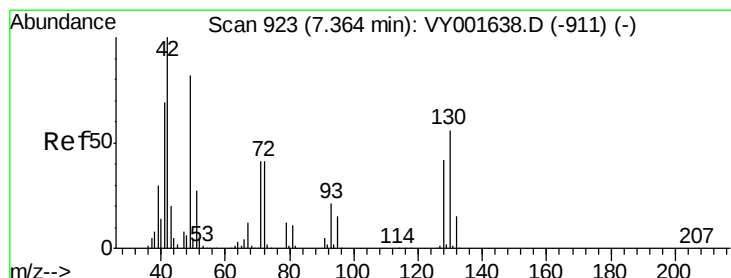
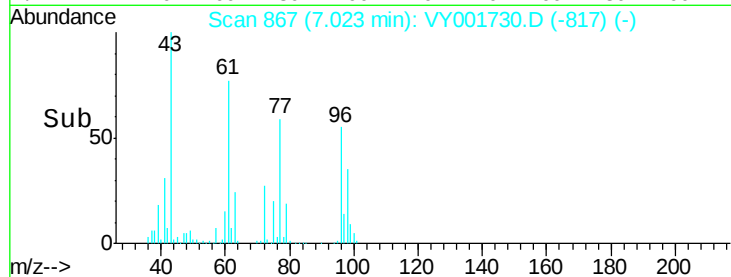
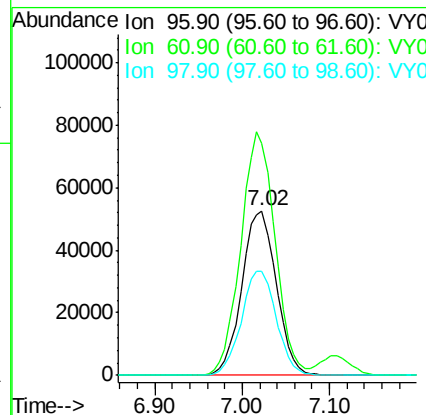
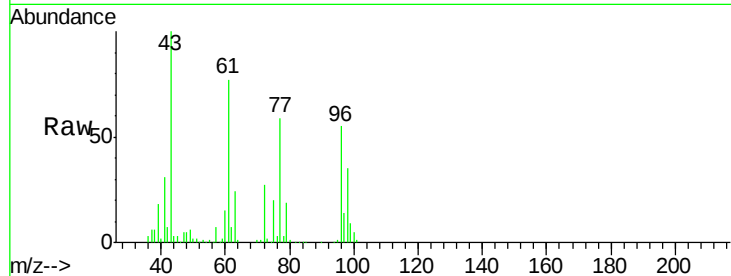
cis-1,2-Dichloroethene
Concen: 53.079 ug/l
RT: 7.02 min Scan# 867
Delta R.T. 0.01 min
Lab File: VY001730.D
Acq: 20 Feb 2020 17:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	146.3	0.0	290.8	
98	64.1	0.0	128.6	

Manual Integrations
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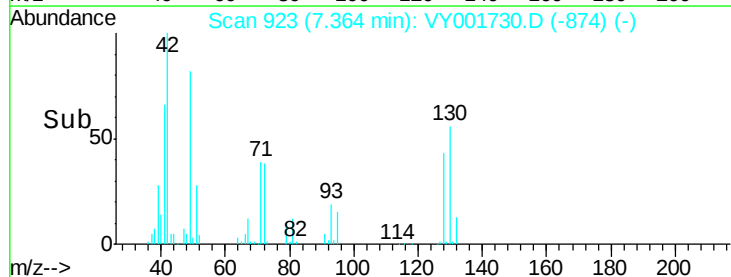
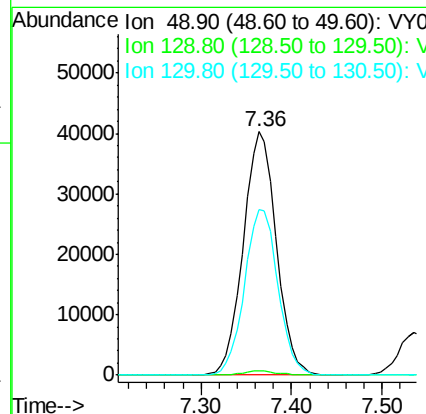
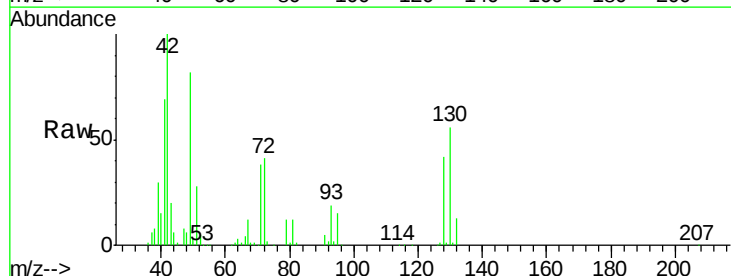
MMDadoda
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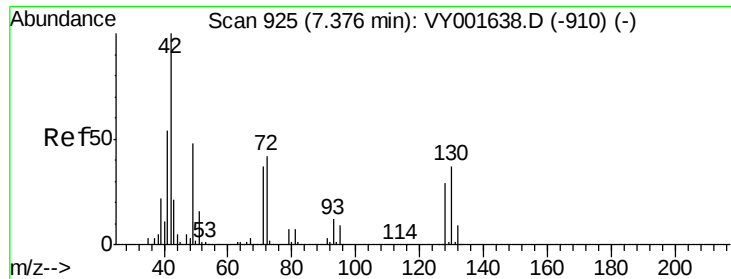


#28

Bromochloromethane
Concen: 57.767 ug/l
RT: 7.36 min Scan# 923
Delta R.T. 0.00 min
Lab File: VY001730.D
Acq: 20 Feb 2020 17:54

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.7	0.0	3.6	
130	68.5	56.2	84.4	





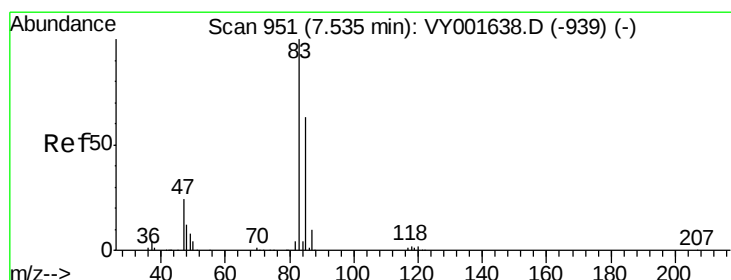
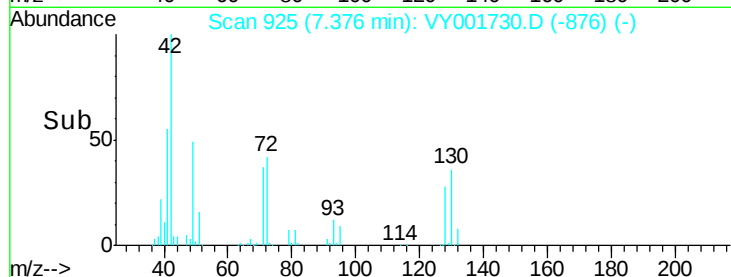
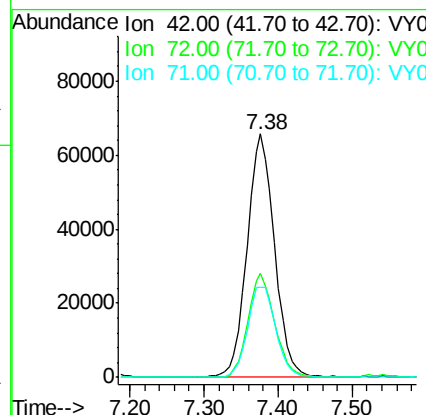
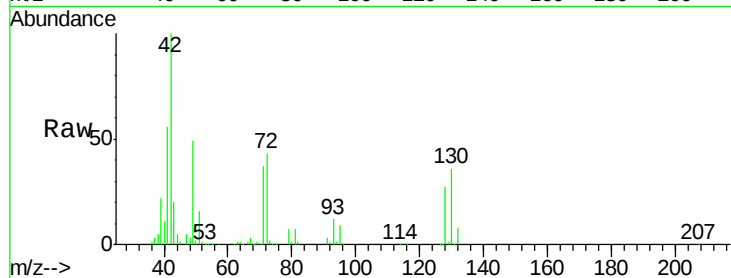
#29
Tetrahydrofuran
Concen: 279.340 ug/l
RT: 7.38 min Scan# 925
Delta R.T. 0.00 min
Lab File: VY001730.D
Acq: 20 Feb 2020 17:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.3	34.4	51.6
71	38.5	31.8	47.8

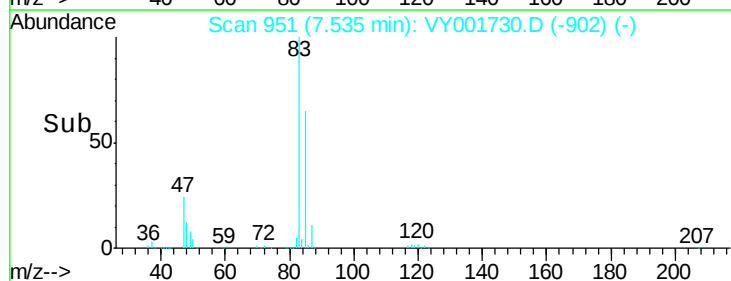
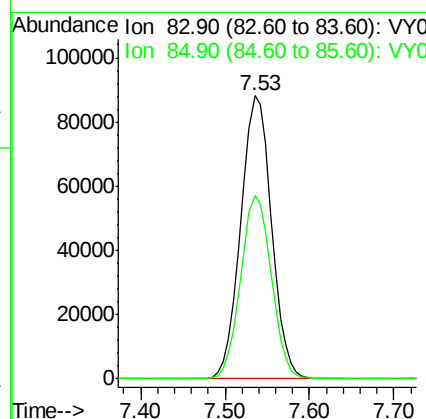
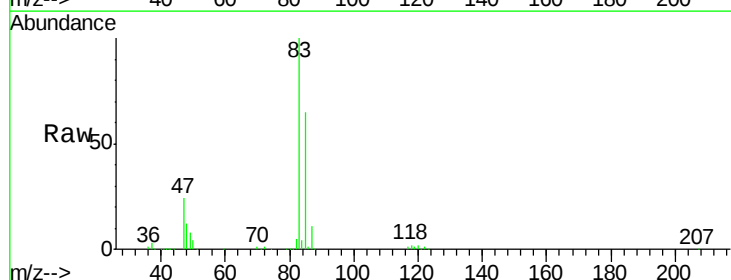
Manual Integrations
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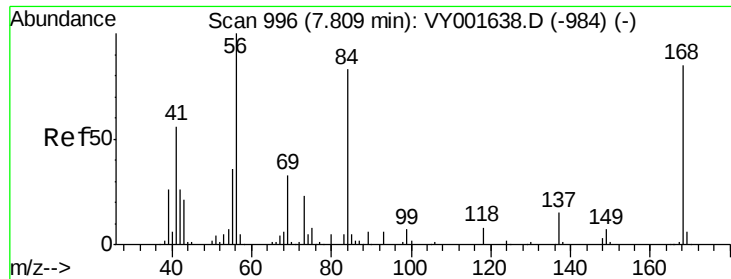
MMDadoda
2/21/2020 3:23:31 PM



#30
Chloroform
Concen: 52.685 ug/l
RT: 7.53 min Scan# 951
Delta R.T. 0.00 min
Lab File: VY001730.D
Acq: 20 Feb 2020 17:54

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.6	77.4





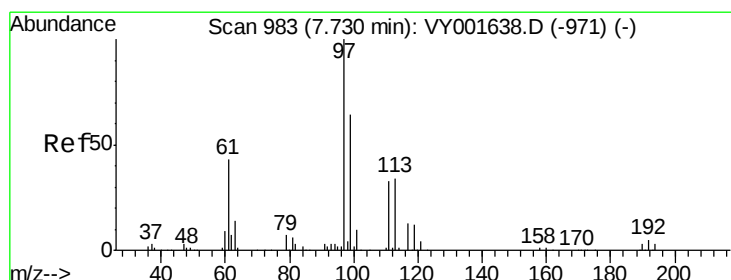
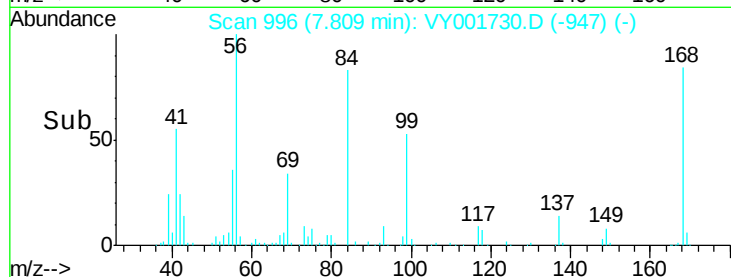
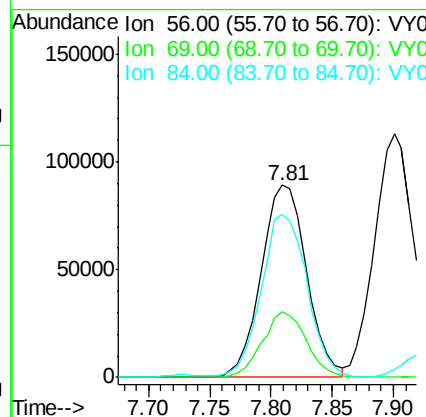
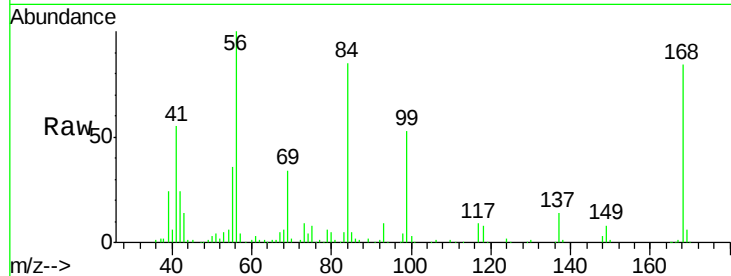
#31
Cyclohexane
Concen: 51.376 ug/l
RT: 7.81 min Scan# 996
Delta R.T. 0.00 min
Lab File: VY001730.D
Acq: 20 Feb 2020 17:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.2	25.1	37.7
84	83.5	66.9	100.3

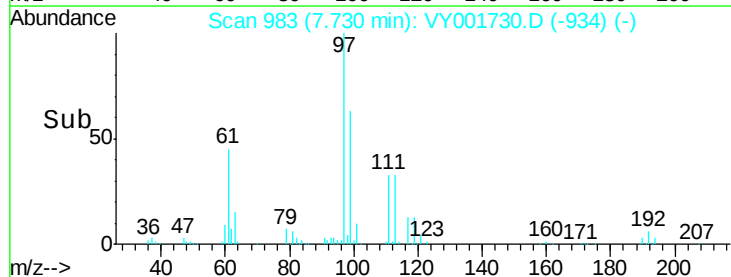
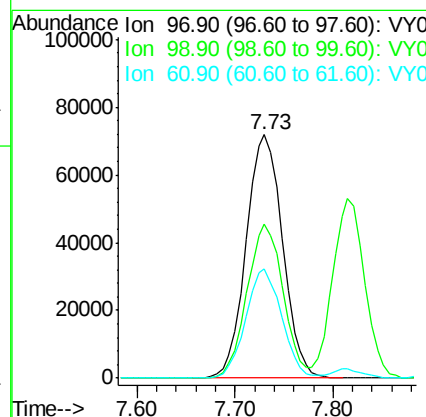
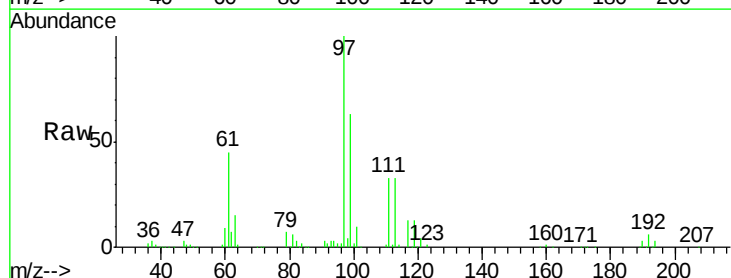
Manual Integrations
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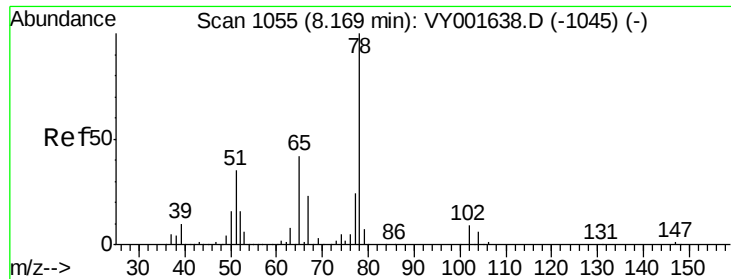
MMDadoda
2/21/2020 3:23:31 PM



#32
1,1,1-Trichloroethane
Concen: 53.523 ug/l
RT: 7.73 min Scan# 983
Delta R.T. 0.00 min
Lab File: VY001730.D
Acq: 20 Feb 2020 17:54

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.4	51.2	76.8
61	44.2	35.0	52.6





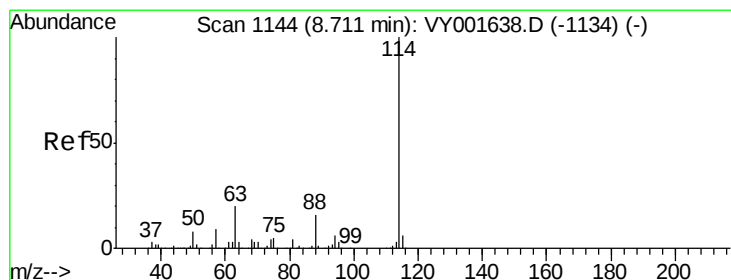
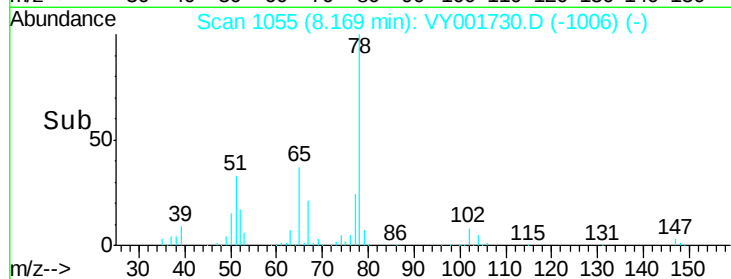
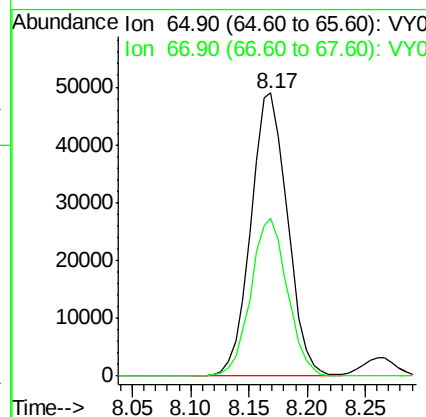
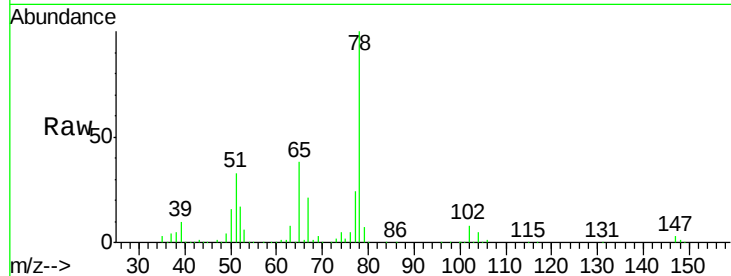
#33
 1,2-Dichloroethane-d4
 Concen: 50.217 ug/l
 RT: 8.17 min Scan# 1055
 Delta R.T. 0.00 min
 Lab File: VY001730.D
 Acq: 20 Feb 2020 17:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	107730		
67	55.5	0.0	111.0	

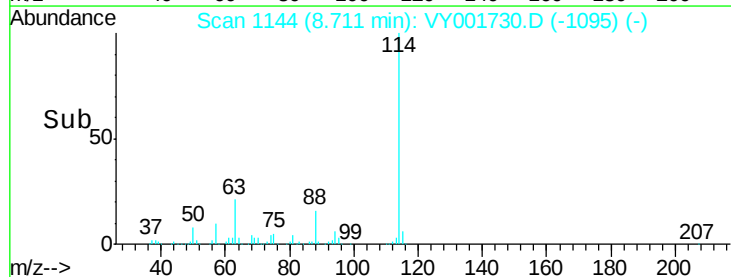
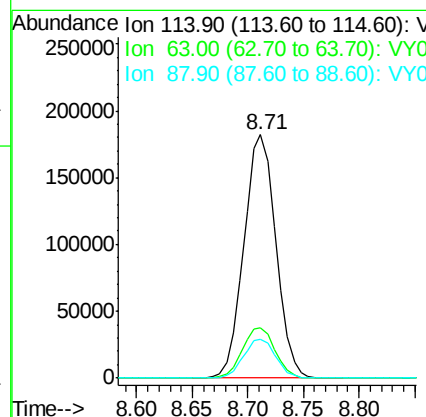
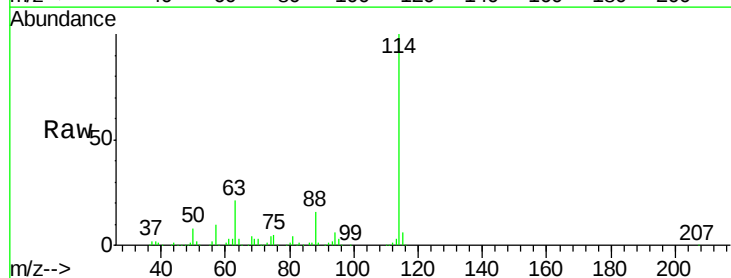
Manual Integrations
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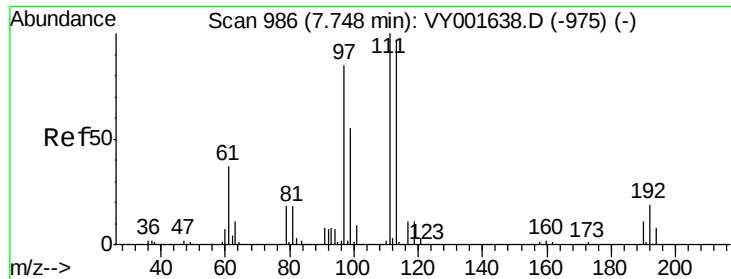
MMDadoda
 2/21/2020 3:23:31 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1144
 Delta R.T. 0.00 min
 Lab File: VY001730.D
 Acq: 20 Feb 2020 17:54

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	362854		
63	20.7	0.0	41.4	
88	16.0	0.0	32.8	





#35

Dibromofluoromethane

Concen: 46.558 ug/l

RT: 7.75 min Scan# 986

Delta R.T. 0.00 min

Lab File: VY001730.D

Acq: 20 Feb 2020 17:54

Instrument :

MSVOA_Y

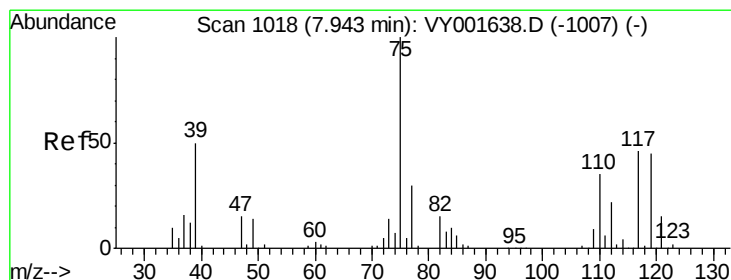
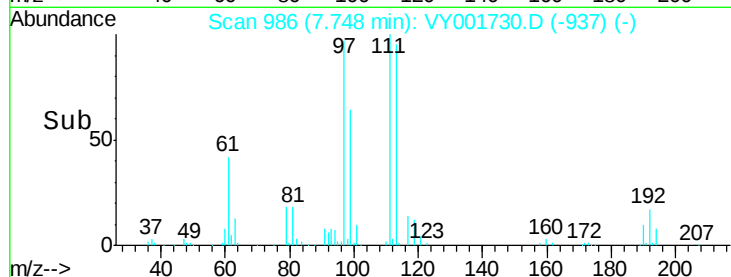
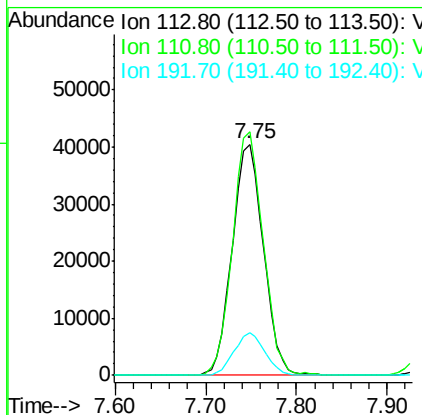
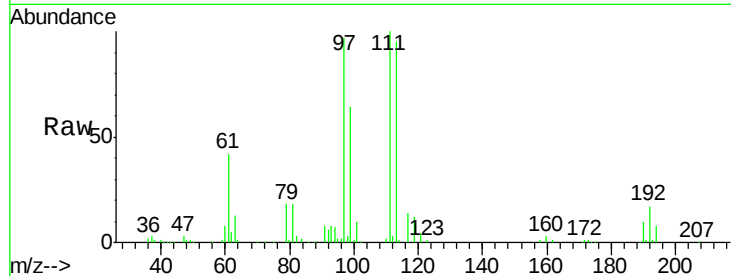
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	96761
Ion	Ratio	Lower	Upper
113	100		
111	103.0	81.9	122.9
192	18.1	14.3	21.5

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 51.940 ug/l

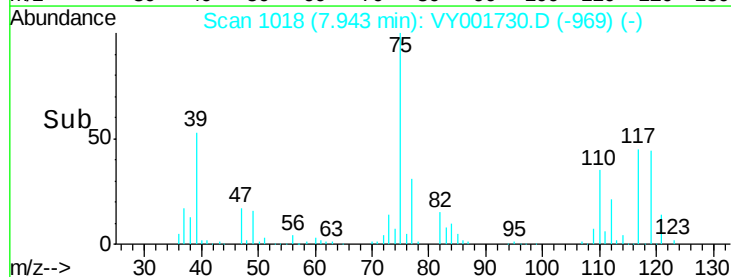
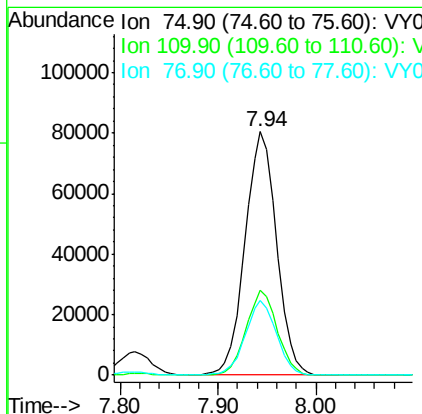
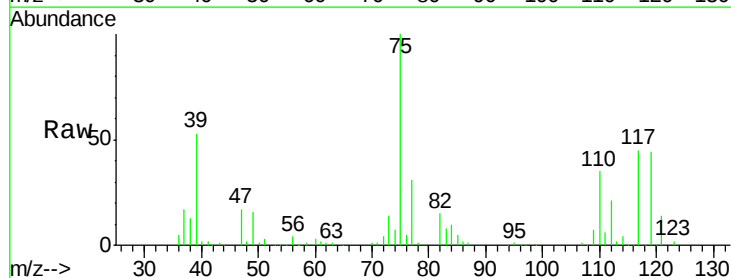
RT: 7.94 min Scan# 1018

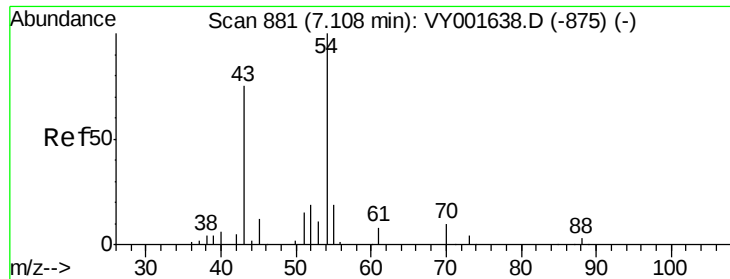
Delta R.T. 0.00 min

Lab File: VY001730.D

Acq: 20 Feb 2020 17:54

Tgt Ion:	75	Resp:	180023
Ion	Ratio	Lower	Upper
75	100		
110	34.1	17.2	51.6
77	30.5	24.8	37.2





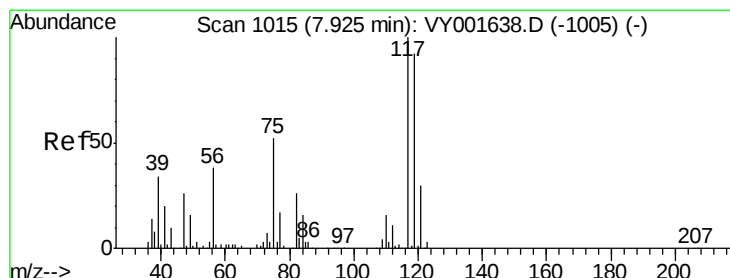
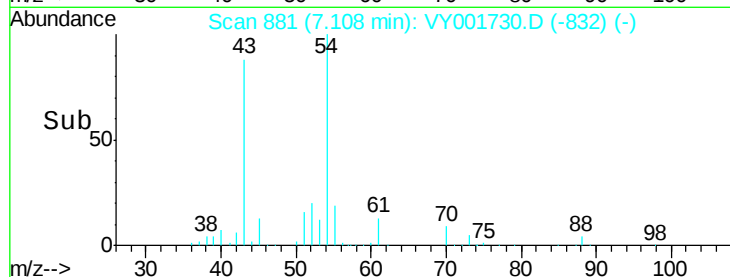
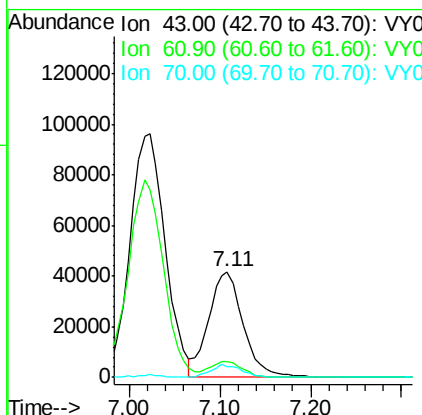
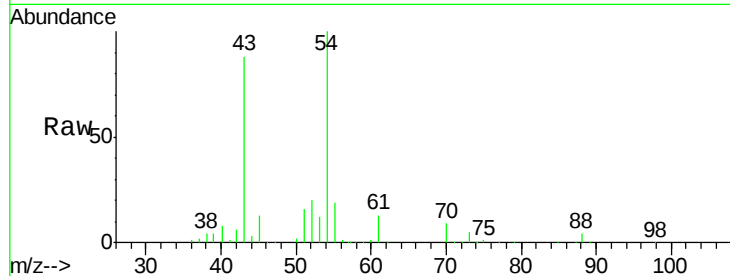
#37
Ethyl Acetate
Concen: 53.716 ug/l
RT: 7.11 min Scan# 881
Delta R.T. 0.00 min
Lab File: VY001730.D
Acq: 20 Feb 2020 17:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.8	11.0	16.6
70	10.8	8.8	13.2

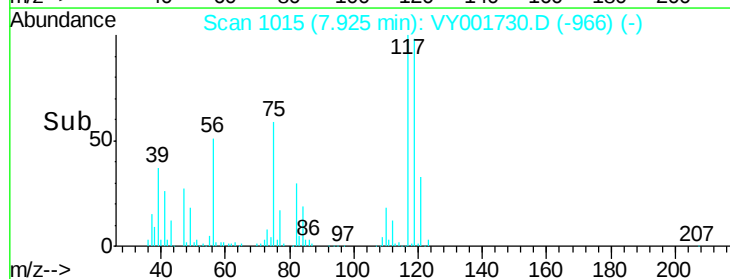
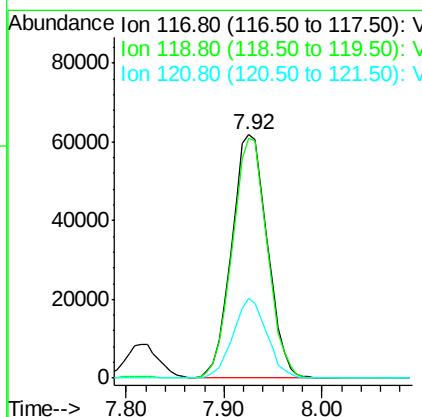
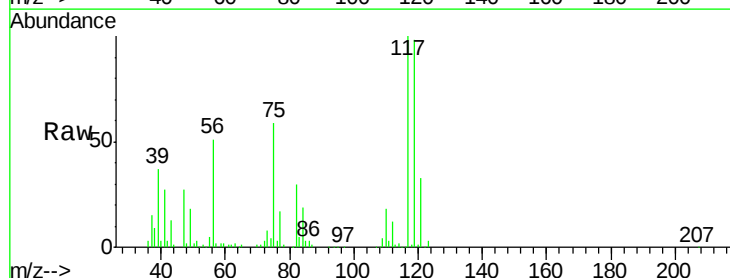
Manual Integrations
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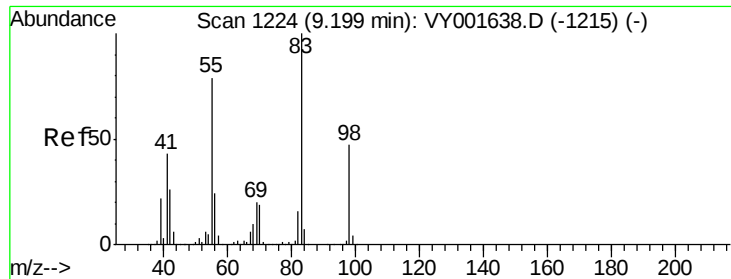
MMDadoda
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#38
Carbon Tetrachloride
Concen: 51.401 ug/l
RT: 7.92 min Scan# 1015
Delta R.T. 0.00 min
Lab File: VY001730.D
Acq: 20 Feb 2020 17:54

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.3	74.8	112.2
121	32.6	23.8	35.6





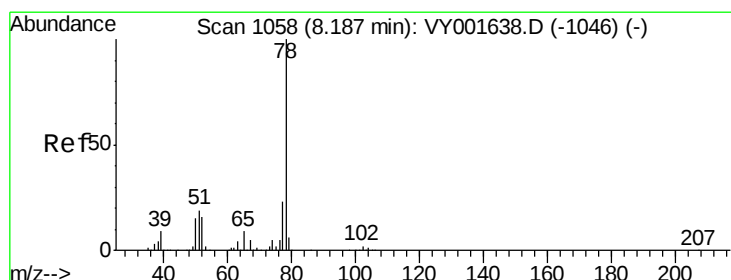
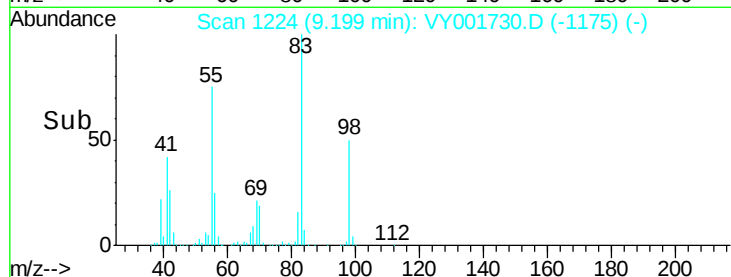
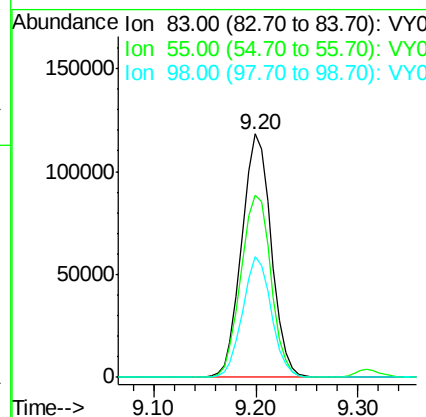
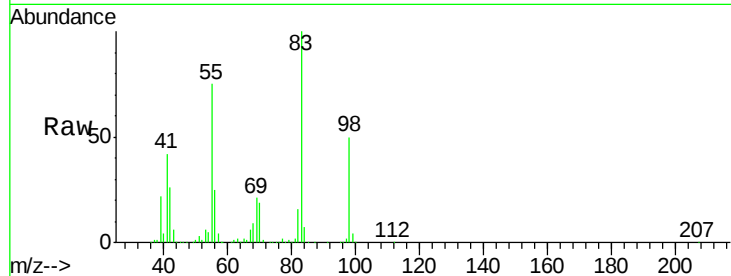
#39
Methvlcvclohexane
Concen: 51.687 ug/l
RT: 9.20 min Scan# 1224
Delta R.T. 0.00 min
Lab File: VY001730.D
Acq: 20 Feb 2020 17:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.0	61.3	91.9
98	49.8	38.0	57.0

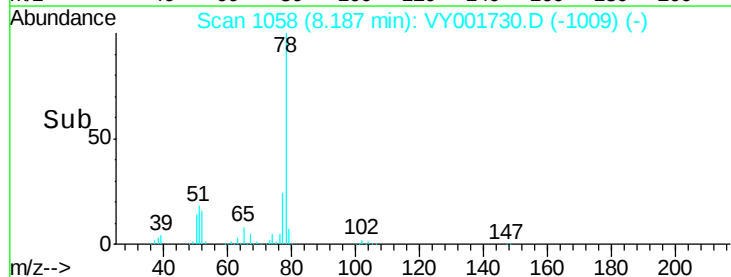
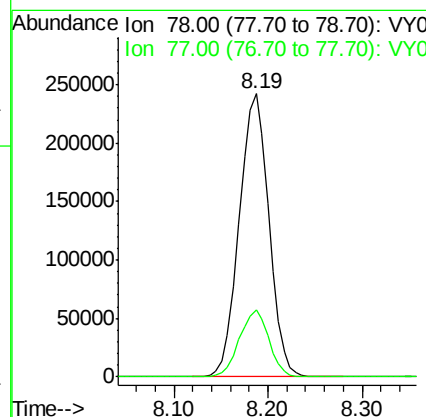
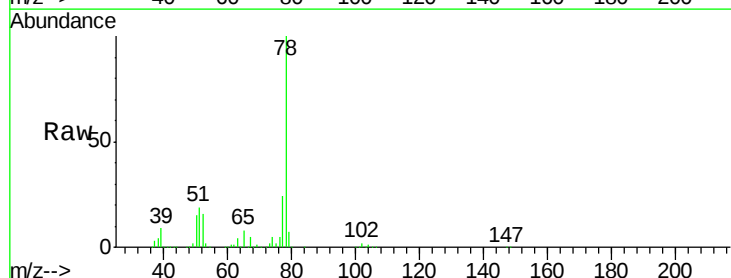
Manual Integrations
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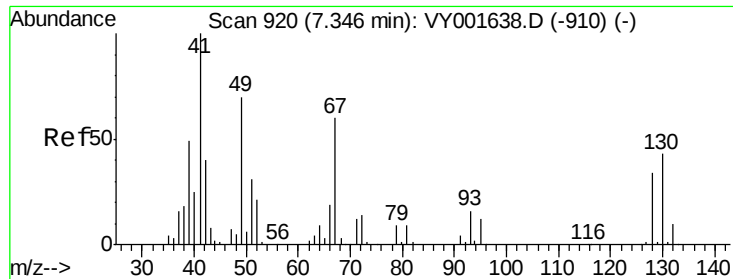
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#40
Benzene
Concen: 52.104 ug/l
RT: 8.19 min Scan# 1058
Delta R.T. 0.00 min
Lab File: VY001730.D
Acq: 20 Feb 2020 17:54

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.2	27.4





#41

Methacrylonitrile

Concen: 47.419 ug/l m

RT: 7.35 min Scan# 920

Delta R.T. 0.00 min

Lab File: VY001730.D

Acq: 20 Feb 2020 17:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 49254
Ion Ratio Lower Upper

41 100

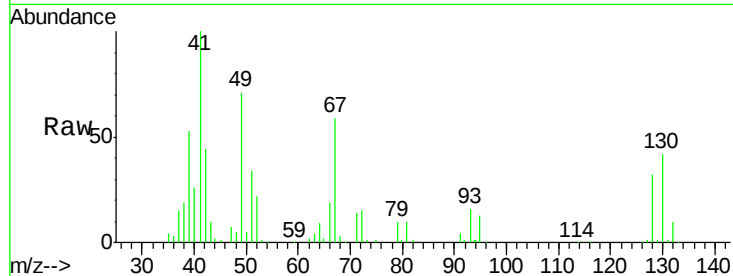
39 0.0 36.0 54.0#

67 0.0 0.0 0.0

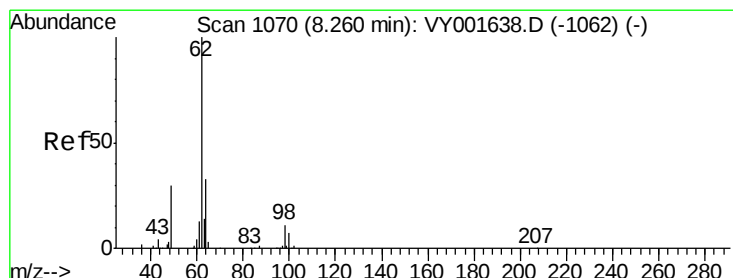
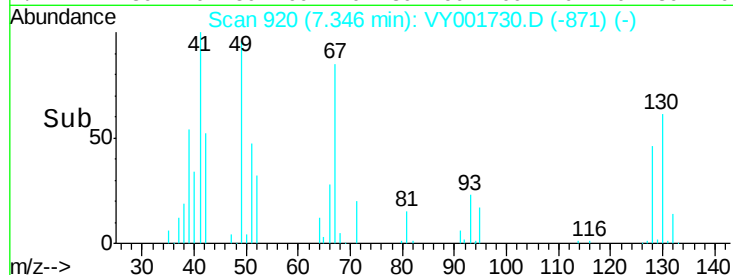
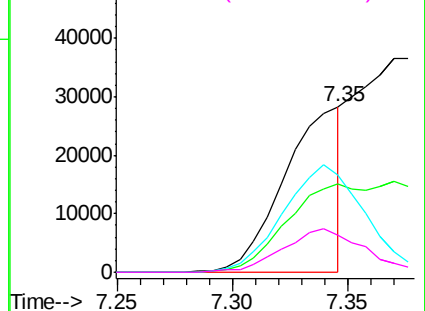
52 0.0 0.0 0.0

Manual Integrations
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Abundance Ion 41.00 (40.70 to 41.70): VY0
Ion 39.00 (38.70 to 39.70): VY0
Ion 67.00 (66.70 to 67.70): VY0
Ion 52.00 (51.70 to 52.70): VY0



#42

1,2-Dichloroethane

Concen: 53.044 ug/l

RT: 8.26 min Scan# 1070

Delta R.T. 0.00 min

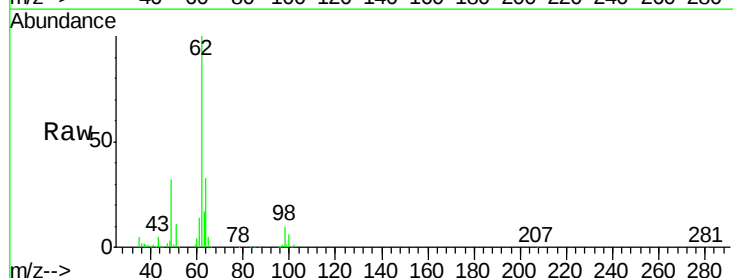
Lab File: VY001730.D

Acq: 20 Feb 2020 17:54

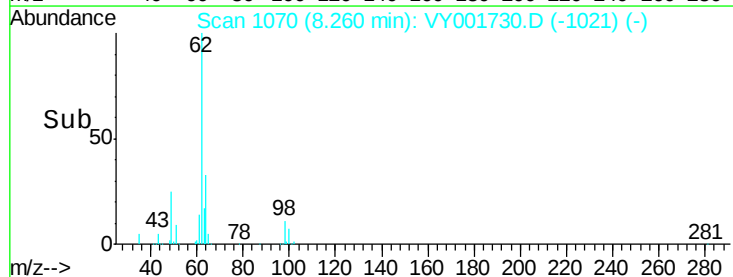
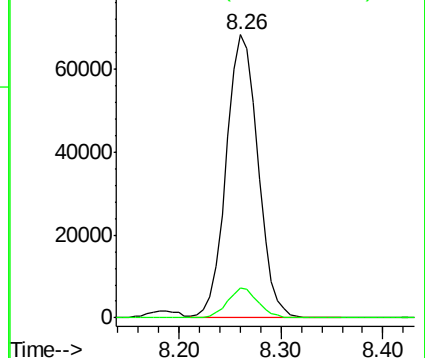
Tgt Ion: 62 Resp: 147306
Ion Ratio Lower Upper

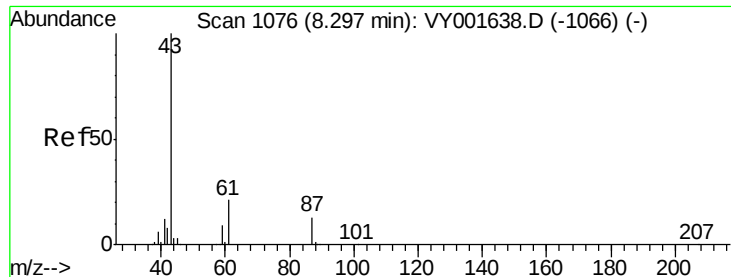
62 100

98 10.3 0.0 20.8



Abundance Ion 61.90 (61.60 to 62.60): VY0
Ion 97.90 (97.60 to 98.60): VY0





#43

Isopropyl Acetate

Concen: 54.623 ug/l

RT: 8.30 min Scan# 1076

Delta R.T. 0.00 min

Lab File: VY001730.D

Acq: 20 Feb 2020 17:54

Instrument :

MSVOA_Y

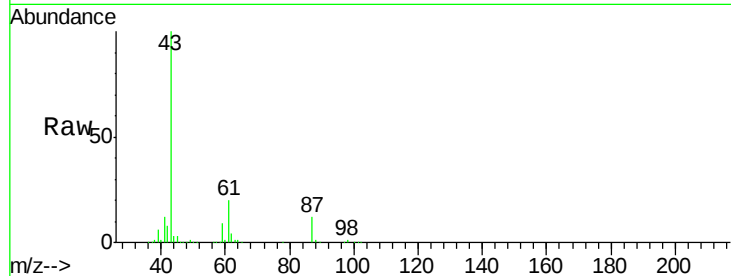
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	214397
Ion	Ratio	Lower	Upper
43	100		
61	28.7	23.0	34.4
87	12.5	10.7	16.1

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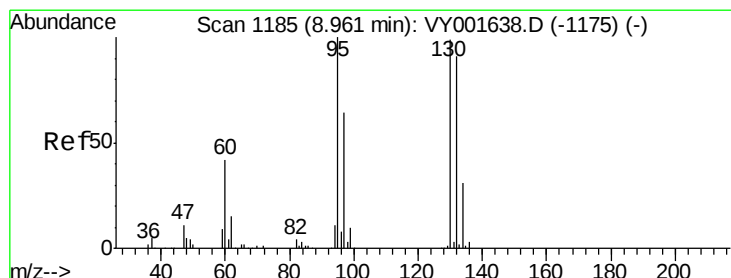
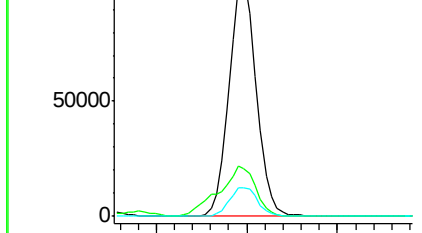
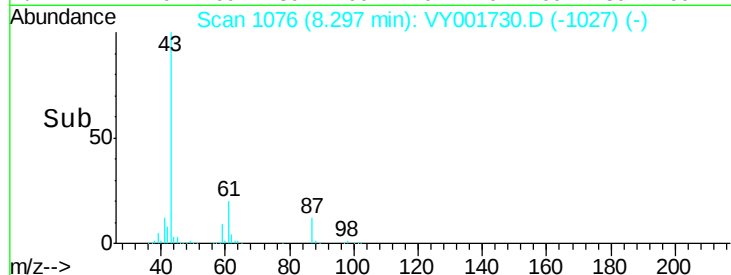


Abundance Ion 43.00 (42.70 to 43.70): VY001730.D (-1027) (-)

Ion 61.00 (60.70 to 61.70): VY001730.D (-1027) (-)

Ion 87.00 (86.70 to 87.70): VY001730.D (-1027) (-)

Time-->



#44

Trichloroethene

Concen: 51.258 ug/l

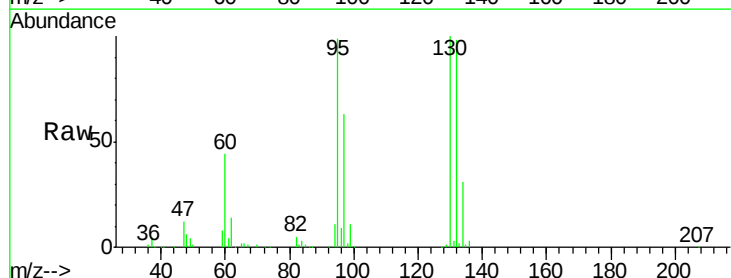
RT: 8.96 min Scan# 1185

Delta R.T. 0.00 min

Lab File: VY001730.D

Acq: 20 Feb 2020 17:54

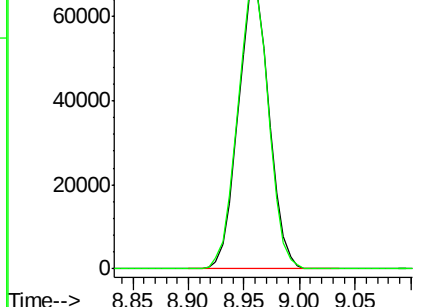
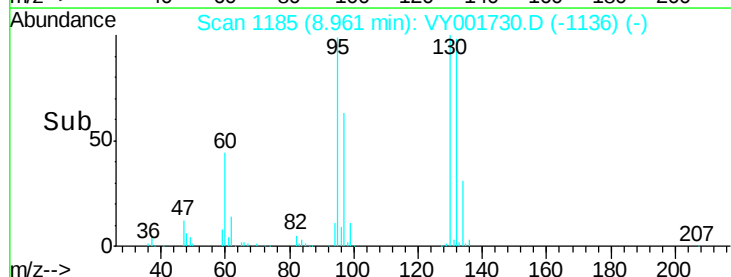
Tgt Ion:	130	Resp:	130432
Ion	Ratio	Lower	Upper
130	100		
95	99.5	0.0	200.6

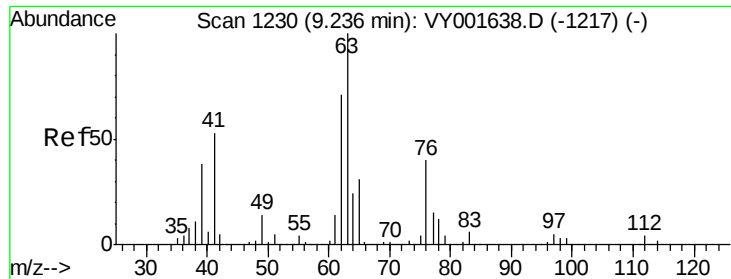


Abundance Ion 129.80 (129.50 to 130.50): VY001730.D (-1136) (-)

Ion 94.90 (94.60 to 95.60): VY001730.D (-1136) (-)

Time-->





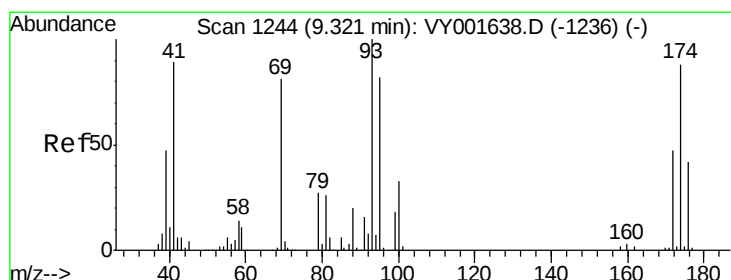
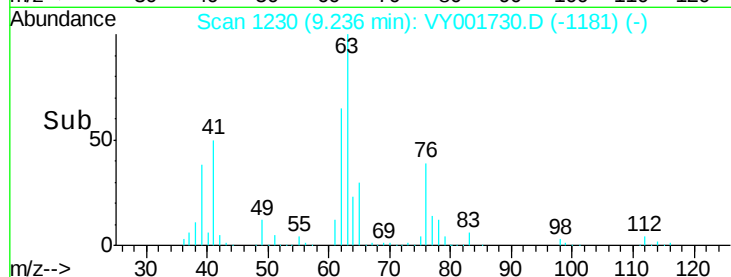
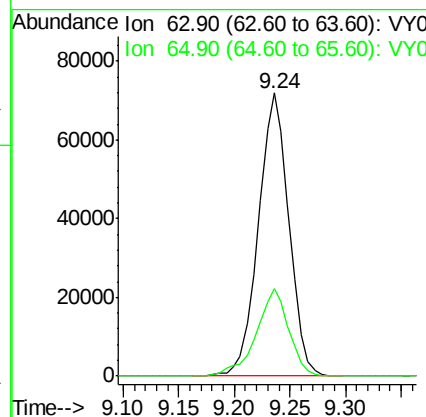
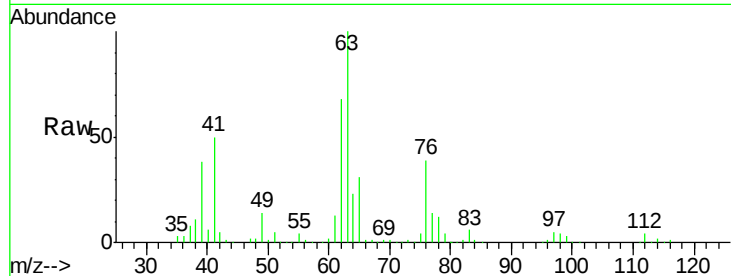
#45
 1,2-Dichloropropane
 Concen: 53.595 ug/l
 RT: 9.24 min Scan# 1230
 Delta R.T. 0.00 min
 Lab File: VY001730.D
 Acq: 20 Feb 2020 17:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.8	24.6	37.0

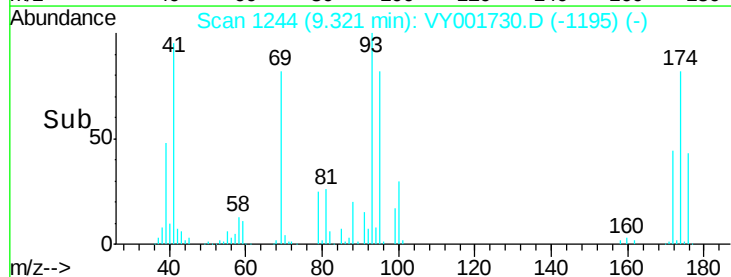
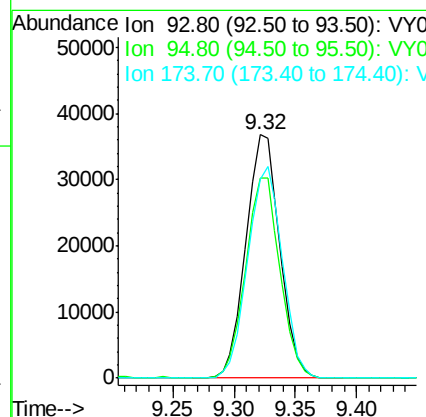
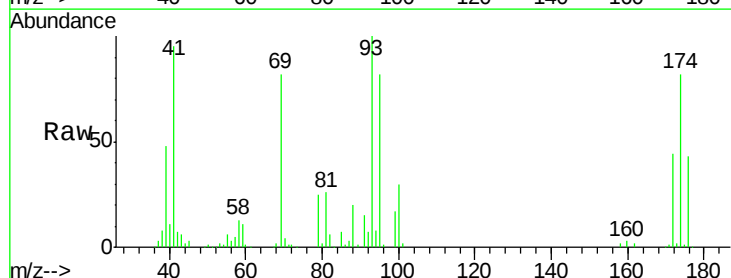
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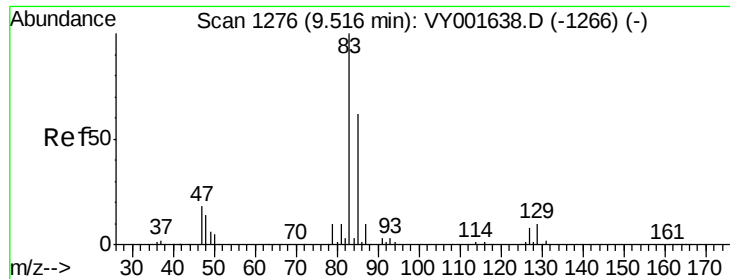
MMDadoda
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#46
 Dibromomethane
 Concen: 53.054 ug/l
 RT: 9.32 min Scan# 1244
 Delta R.T. 0.00 min
 Lab File: VY001730.D
 Acq: 20 Feb 2020 17:54

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.6	66.1	99.1
174	88.5	72.5	108.7





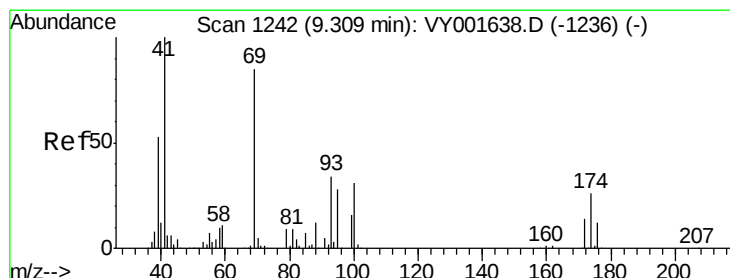
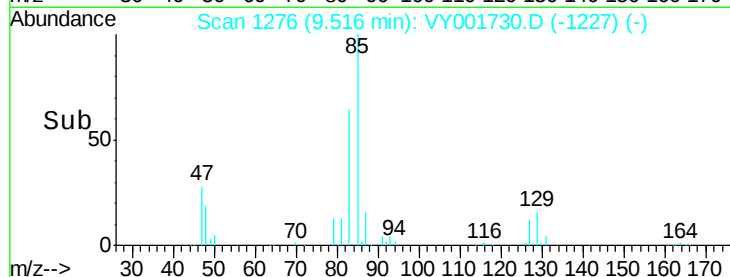
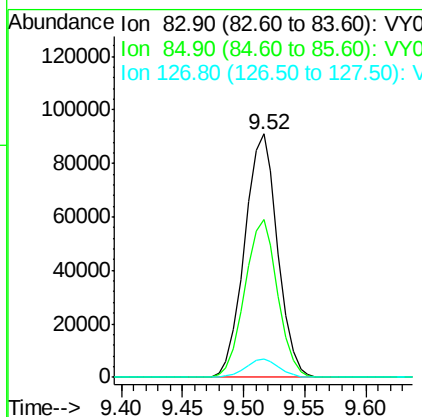
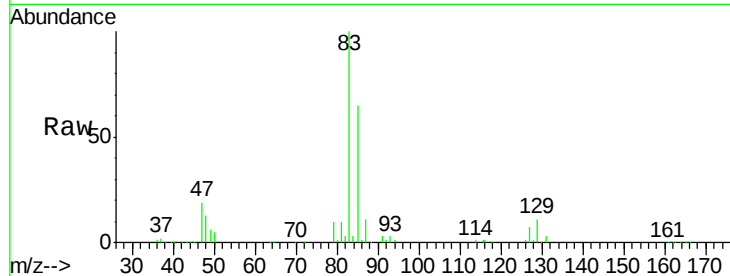
#47
Bromodichloromethane
Concen: 52.704 ug/l
RT: 9.52 min Scan# 1276
Delta R.T. 0.00 min
Lab File: VY001730.D
Acq: 20 Feb 2020 17:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	169845
Ion Ratio	100		
Lower	51.4		
Upper	77.0		
85	65.0		
127	7.5		

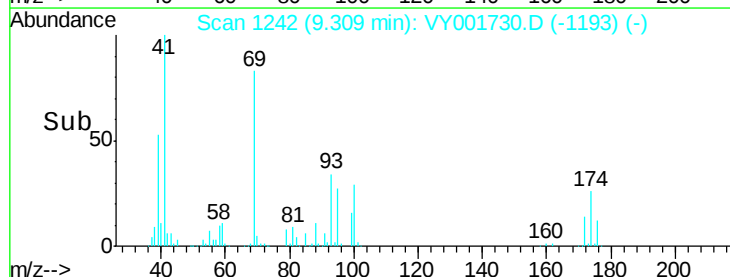
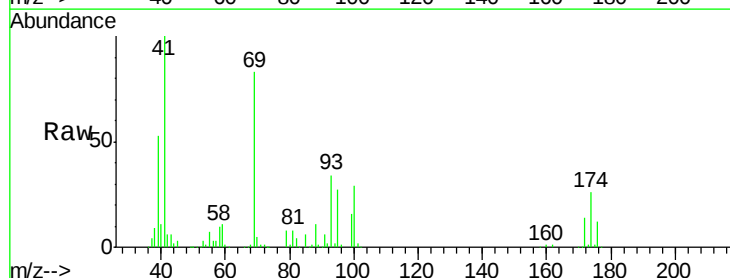
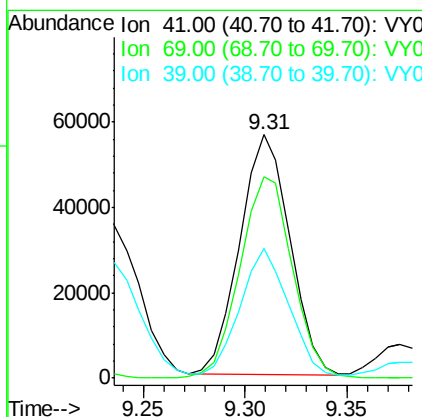
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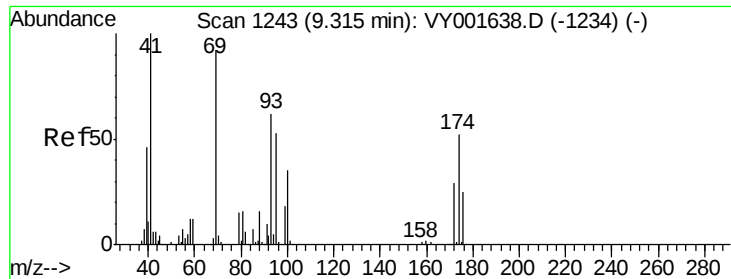
MMDadoda
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#48
Methyl methacrylate
Concen: 54.232 ug/l
RT: 9.31 min Scan# 1242
Delta R.T. 0.00 min
Lab File: VY001730.D
Acq: 20 Feb 2020 17:54

Tgt Ion	41	Resp	96268
Ion Ratio	100		
Lower	70.7		
Upper	106.1		
69	87.9		
39	50.8		





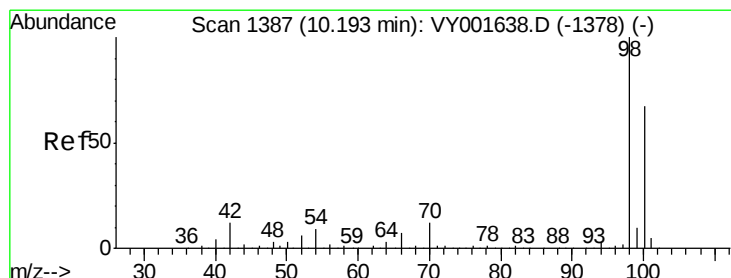
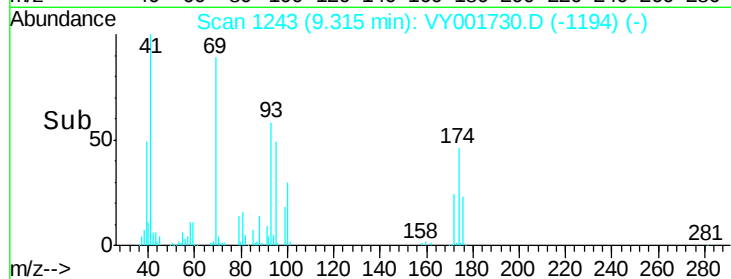
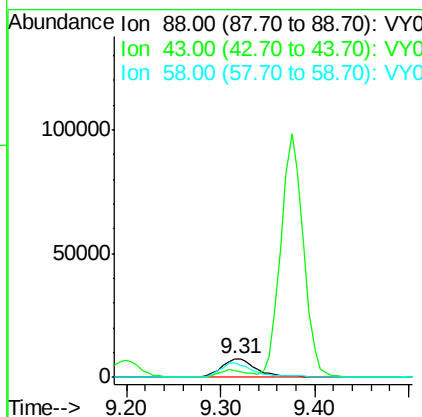
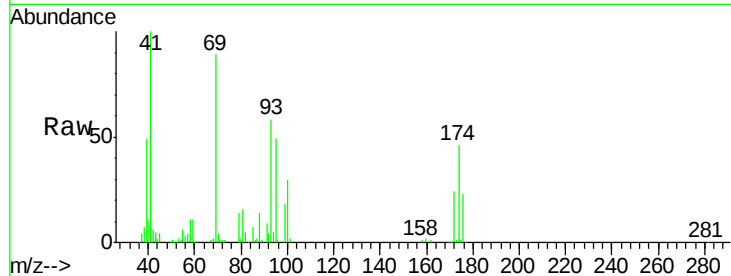
#49
1,4-Dioxane
Concen: 1046.129 ug/l
RT: 9.31 min Scan# 1243
Delta R.T. 0.00 min
Lab File: VY001730.D
Acq: 20 Feb 2020 17:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	19729
Ion	Ratio	Lower	Upper
88	100		
43	32.6	23.1	34.7
58	75.7	58.1	87.1

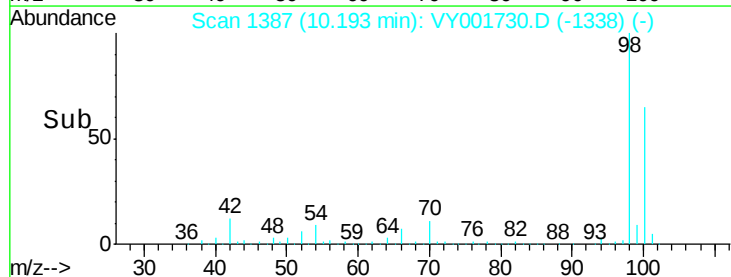
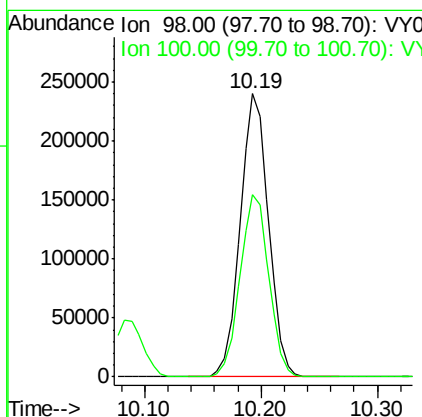
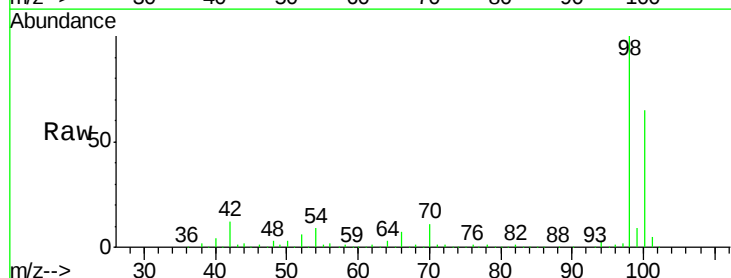
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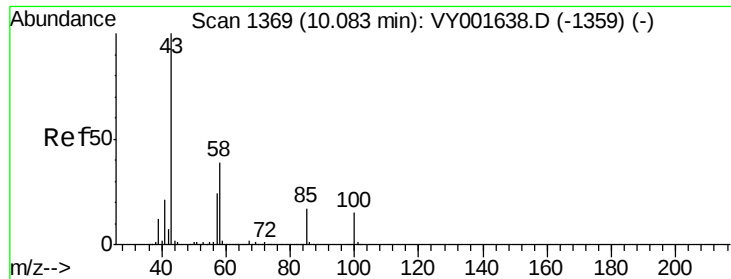
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#50
Toluene-d8
Concen: 49.848 ug/l
RT: 10.19 min Scan# 1387
Delta R.T. 0.00 min
Lab File: VY001730.D
Acq: 20 Feb 2020 17:54

Tgt Ion	98	Resp	405862
Ion	Ratio	Lower	Upper
98	100		
100	65.4	53.0	79.4





#51

4-Methyl-2-Pentanone

Concen: 273.732 ug/l

RT: 10.08 min Scan# 1369

Delta R.T. 0.00 min

Lab File: VY001730.D

Acq: 20 Feb 2020 17:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 552016

Ion Ratio Lower Upper

43 100

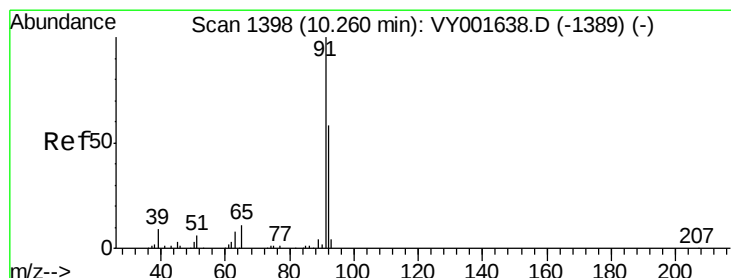
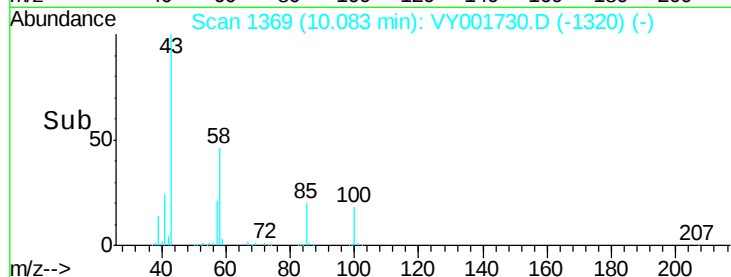
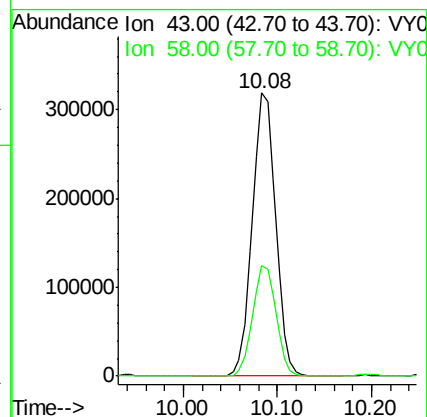
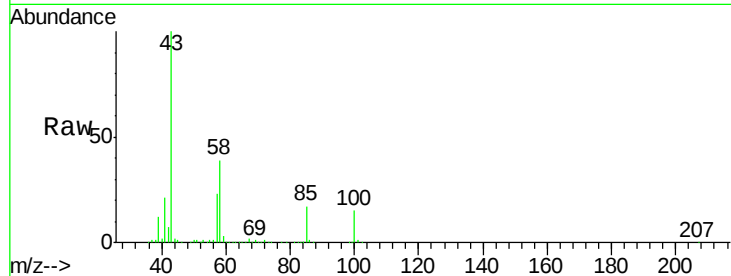
58 39.2 32.2 48.4

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#52

Toluene

Concen: 52.049 ug/l

RT: 10.26 min Scan# 1398

Delta R.T. 0.00 min

Lab File: VY001730.D

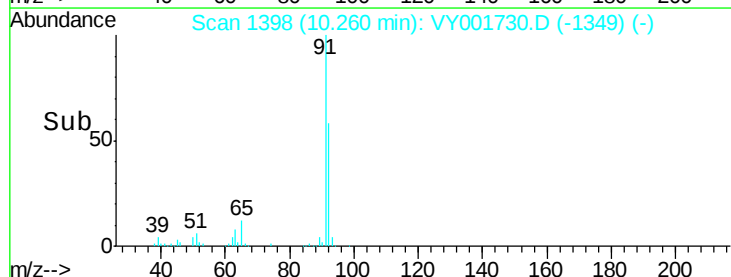
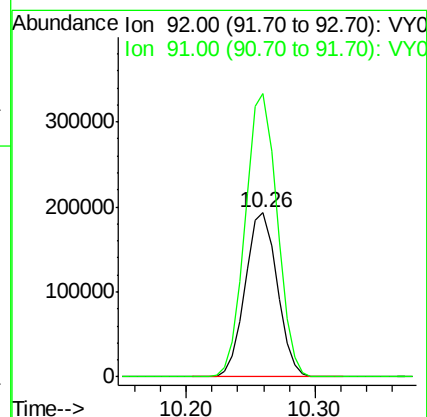
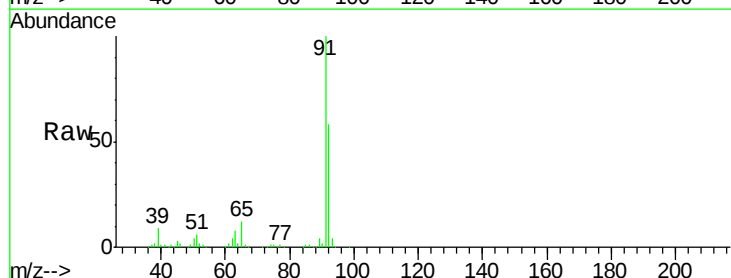
Acq: 20 Feb 2020 17:54

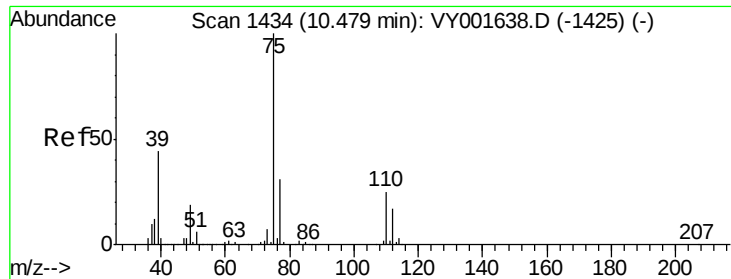
Tgt Ion: 92 Resp: 330954

Ion Ratio Lower Upper

92 100

91 172.1 137.0 205.6





#53

t-1,3-Dichloropropene

Concen: 53.182 ug/l

RT: 10.48 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VY001730.D

Acq: 20 Feb 2020 17:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 189467

Ion Ratio Lower Upper

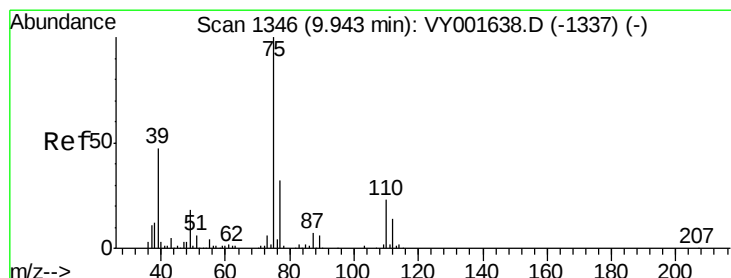
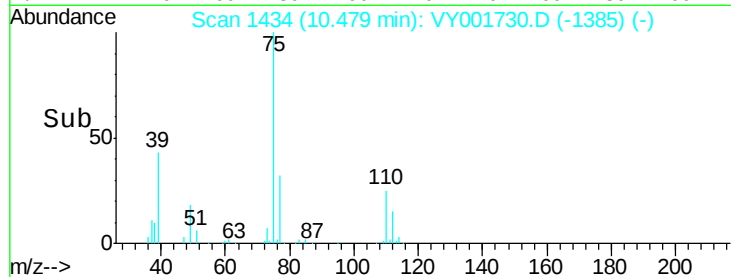
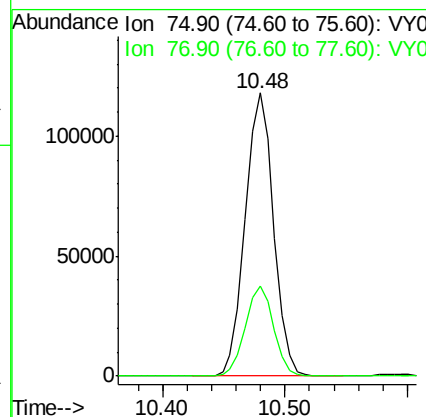
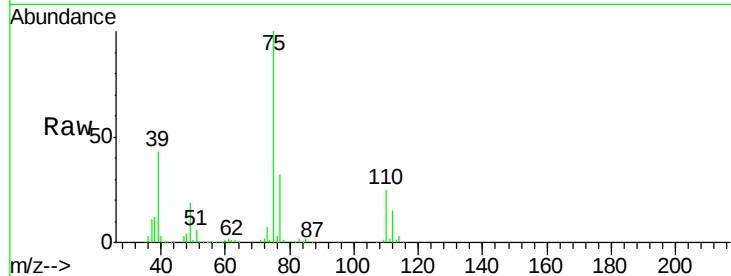
75 100

77 31.6 25.2 37.8

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#54

cis-1,3-Dichloropropene

Concen: 52.676 ug/l

RT: 9.94 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VY001730.D

Acq: 20 Feb 2020 17:54

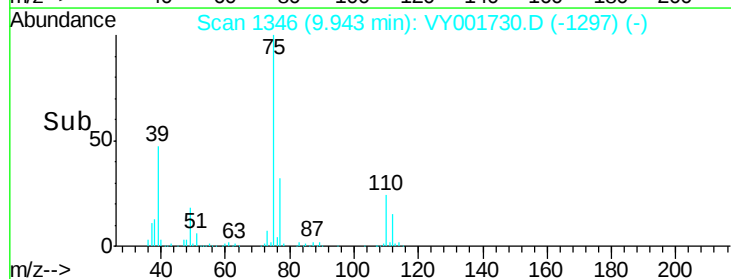
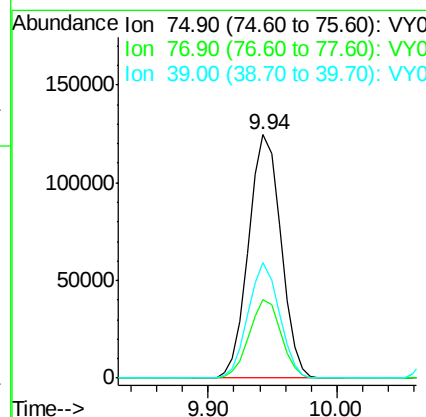
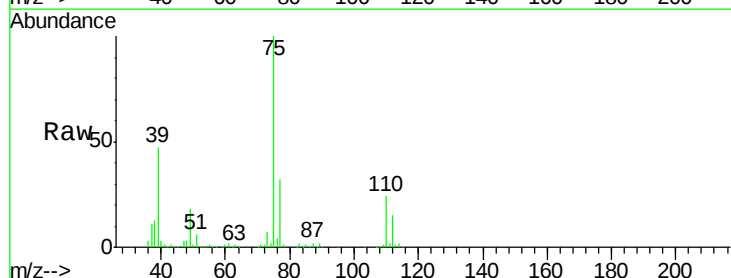
Tgt Ion: 75 Resp: 215988

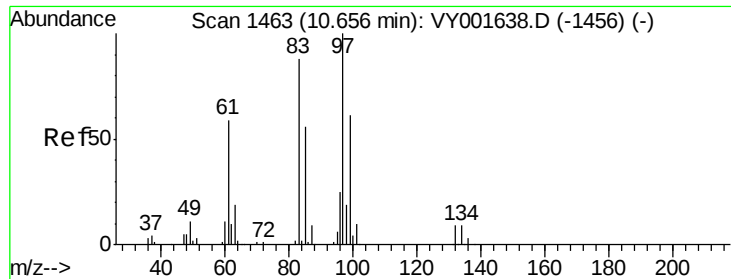
Ion Ratio Lower Upper

75 100

77 32.3 25.7 38.5

39 47.2 35.7 53.5





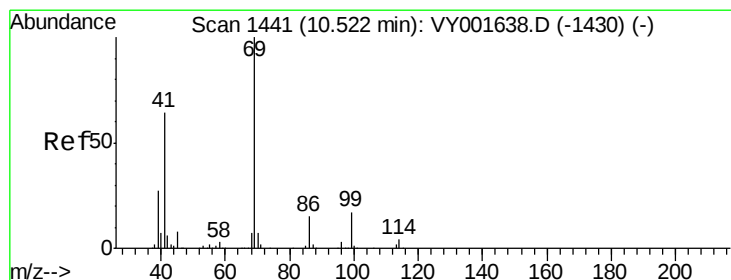
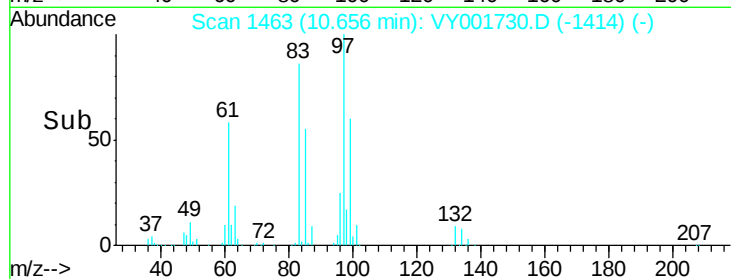
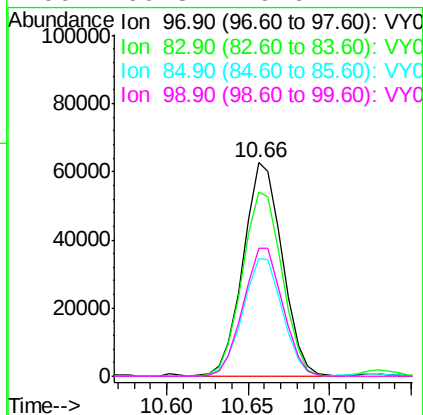
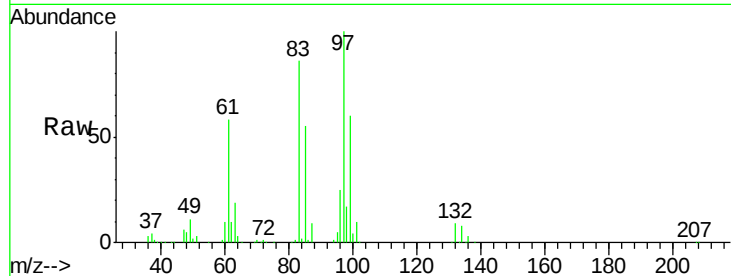
#55
 1,1,2-Trichloroethane
 Concen: 52.942 ug/l
 RT: 10.66 min Scan# 1463
 Delta R.T. 0.00 min
 Lab File: VY001730.D
 Acq: 20 Feb 2020 17:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	97	Resp	104237
Ion	Ratio	Lower	Upper
97	100		
83	86.1	69.7	104.5
85	55.2	44.5	66.7
99	60.3	49.6	74.4

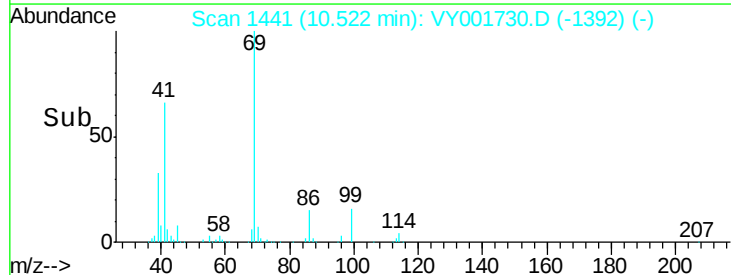
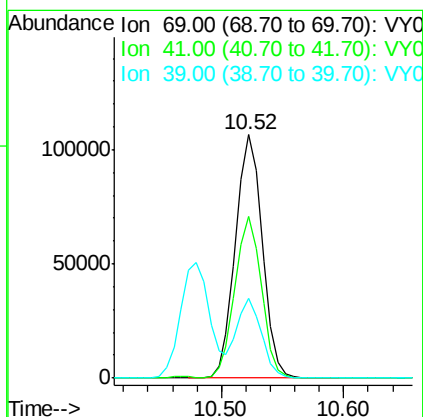
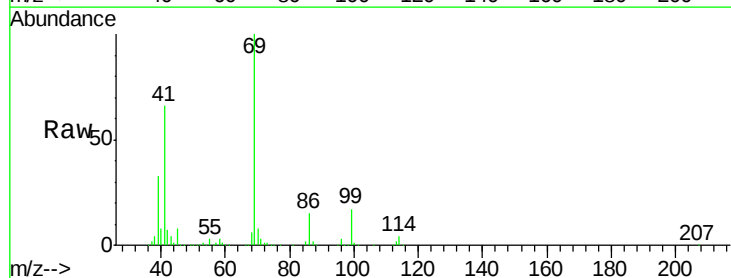
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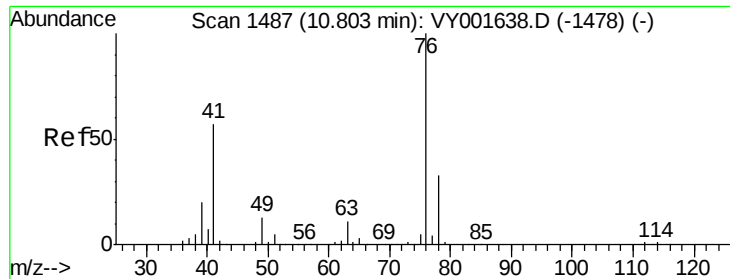
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 54.882 ug/l
 RT: 10.52 min Scan# 1441
 Delta R.T. 0.00 min
 Lab File: VY001730.D
 Acq: 20 Feb 2020 17:54

Tgt Ion	69	Resp	162103
Ion	Ratio	Lower	Upper
69	100		
41	65.6	51.0	76.4
39	30.3	24.7	37.1





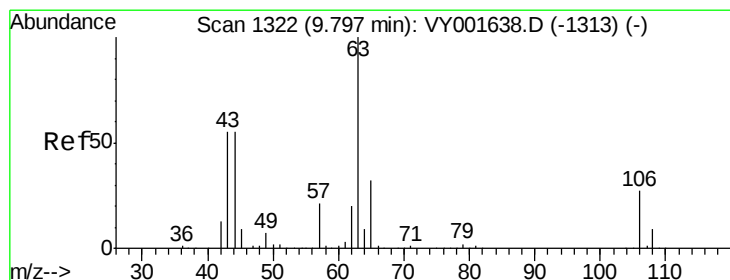
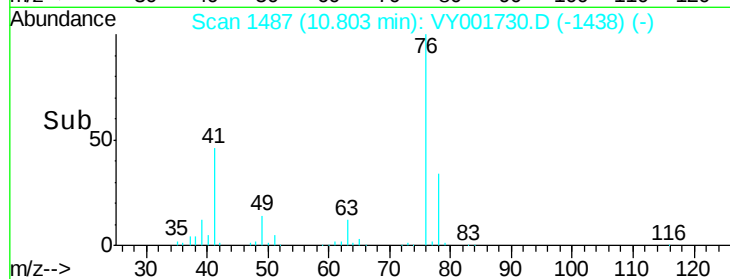
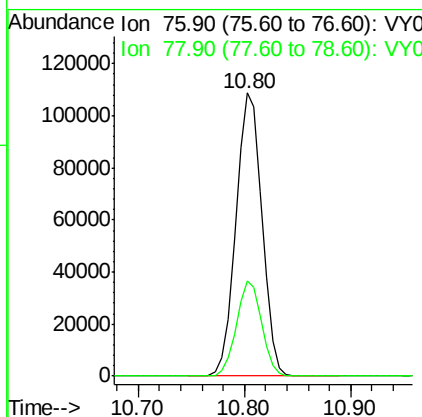
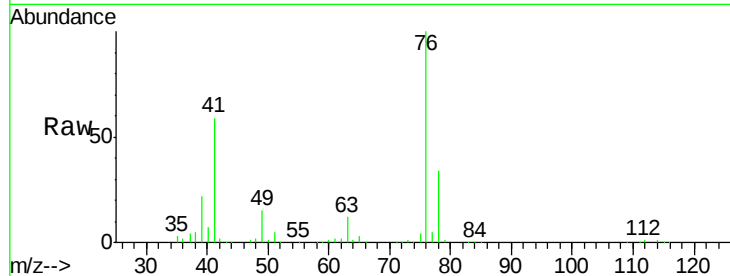
#57
 1,3-Dichloropropane
 Concen: 53.259 ug/l
 RT: 10.80 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VY001730.D
 Acq: 20 Feb 2020 17:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 186318
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.7 38.5

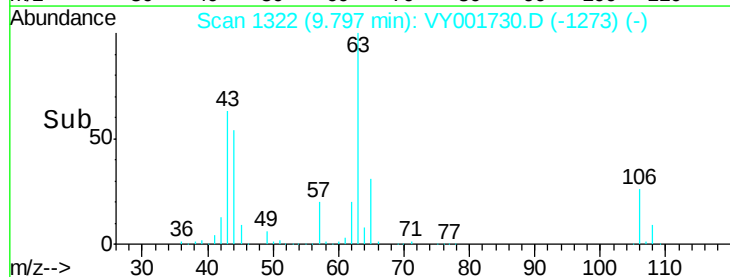
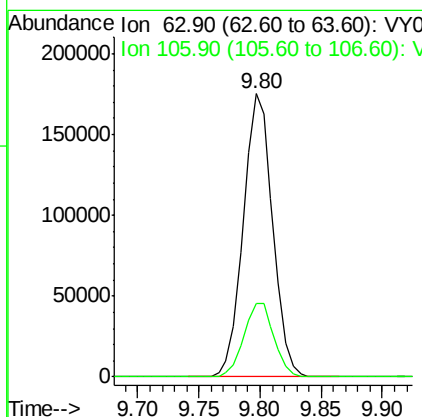
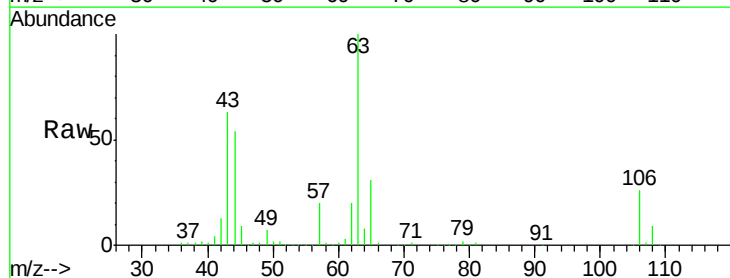
Manual Integrations
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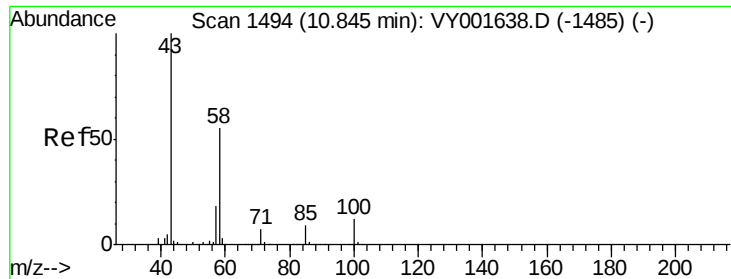
MMDadoda
 2/21/2020 3:23:31 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 263.785 ug/l
 RT: 9.80 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VY001730.D
 Acq: 20 Feb 2020 17:54

Tgt Ion: 63 Resp: 291843
 Ion Ratio Lower Upper
 63 100
 106 26.6 21.6 32.4





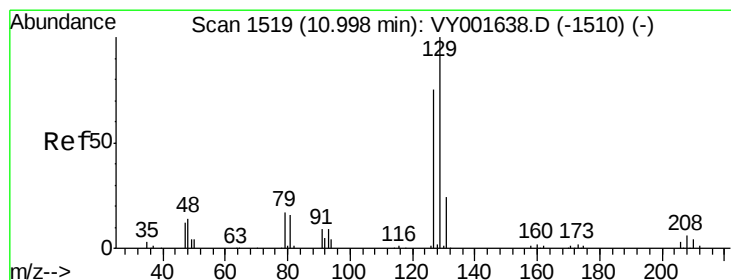
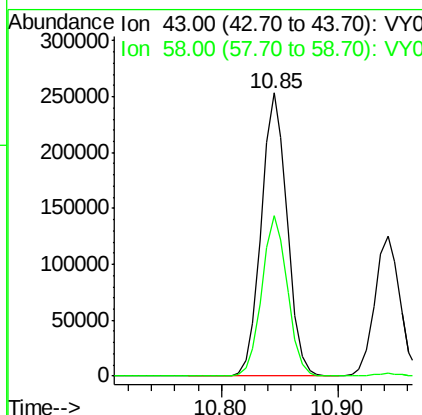
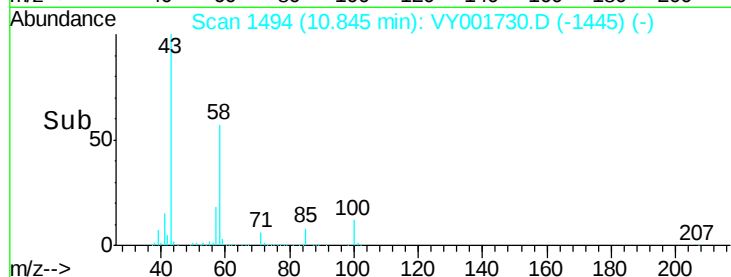
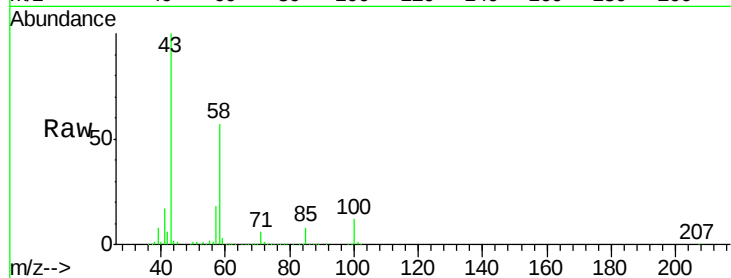
#59
2-Hexanone
Concen: 259.555 ug/l
RT: 10.85 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VY001730.D
Acq: 20 Feb 2020 17:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 392734
Ion Ratio Lower Upper
43 100
58 56.0 28.4 85.2

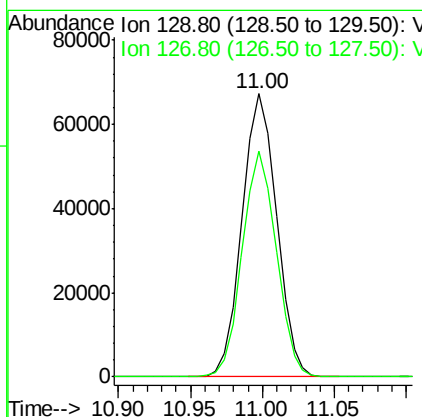
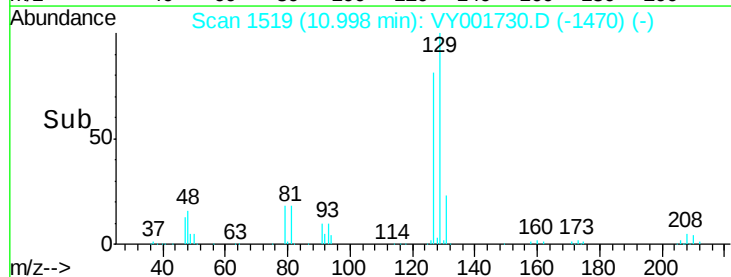
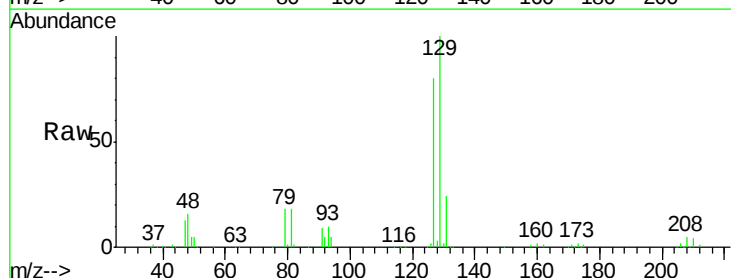
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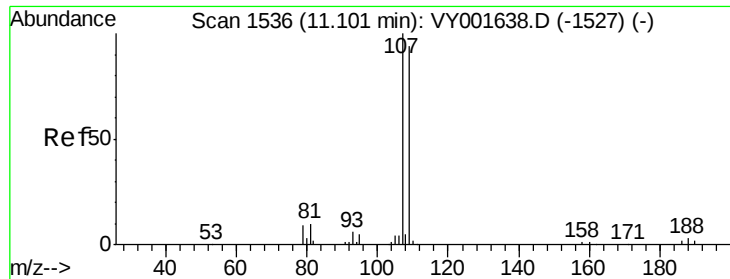
MMDadoda
2/21/2020 3:23:31 PM



#60
Dibromochloromethane
Concen: 51.708 ug/l
RT: 11.00 min Scan# 1519
Delta R.T. 0.00 min
Lab File: VY001730.D
Acq: 20 Feb 2020 17:54

Tgt Ion: 129 Resp: 112242
Ion Ratio Lower Upper
129 100
127 78.4 38.9 116.6





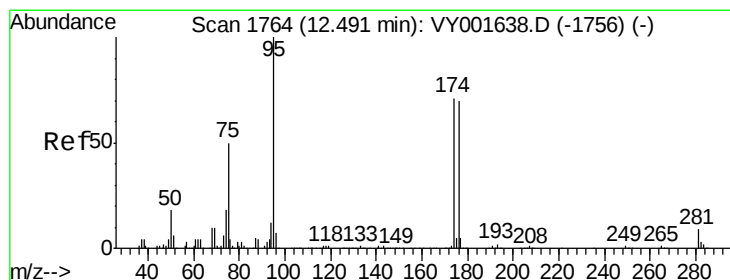
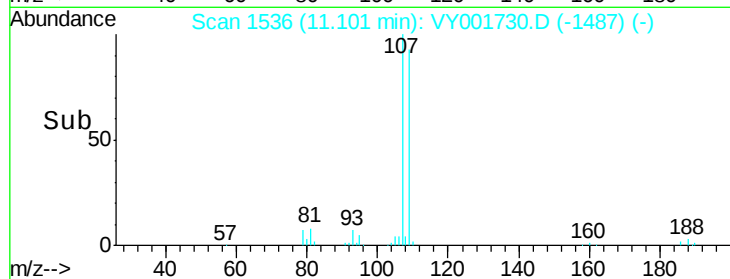
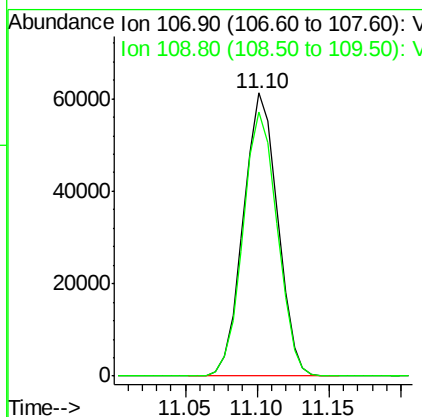
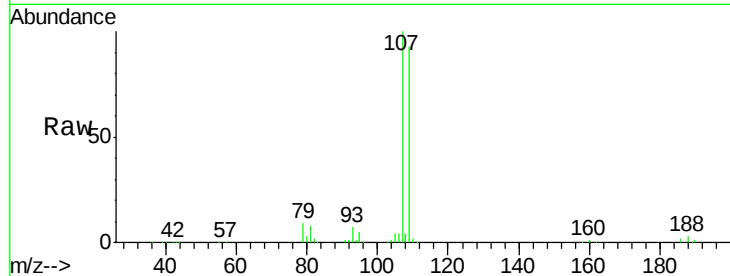
#61
 1,2-Dibromoethane
 Concen: 54.195 ug/l
 RT: 11.10 min Scan# 1536
 Delta R.T. 0.00 min
 Lab File: VY001730.D
 Acq: 20 Feb 2020 17:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
107	100	100891		
109	93.4	74.2	111.4	

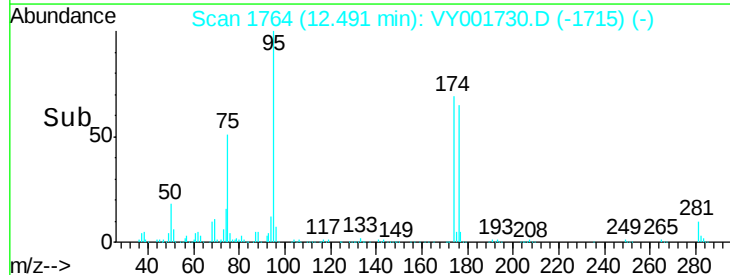
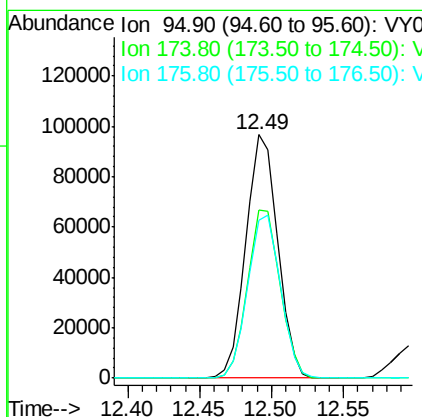
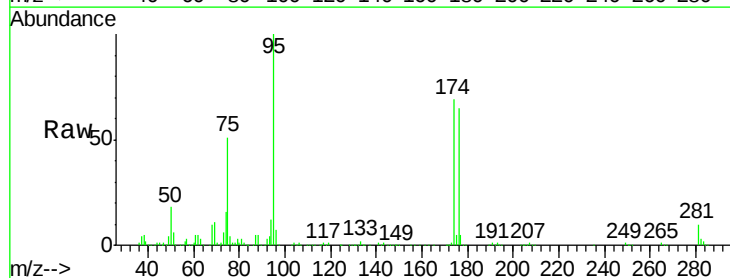
Manual Integrations
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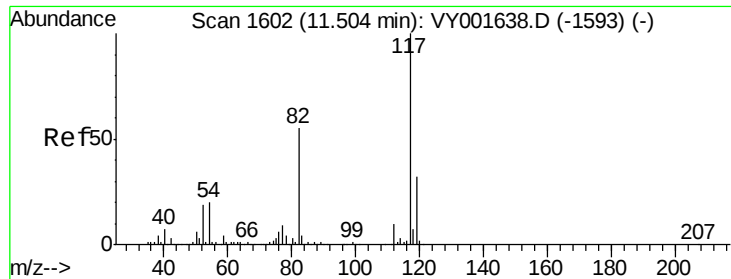
MMDadoda
 2/21/2020 3:23:31 PM



#62
 4-Bromofluorobenzene
 Concen: 46.776 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. 0.00 min
 Lab File: VY001730.D
 Acq: 20 Feb 2020 17:54

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	147956		
174	70.5	0.0	138.4	
176	68.5	0.0	131.8	





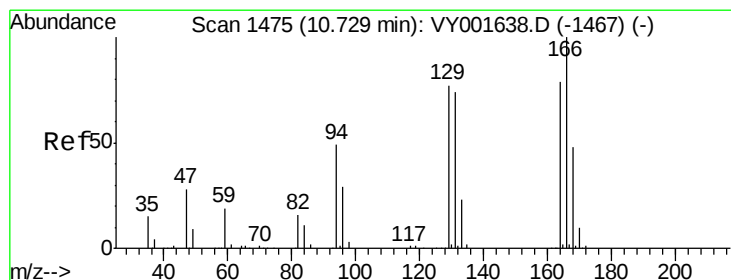
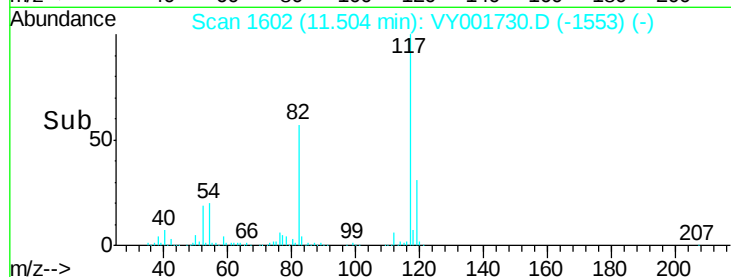
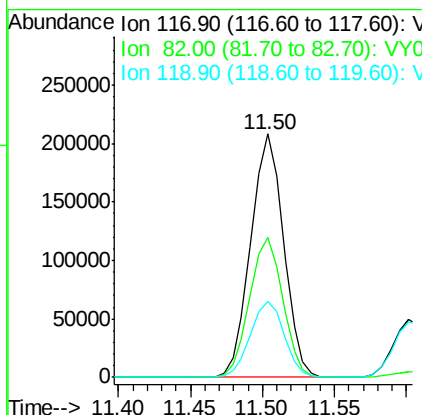
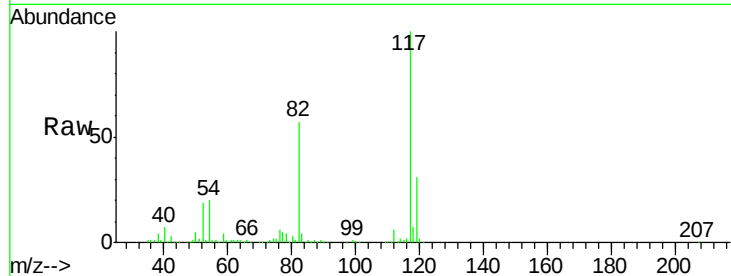
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.00 min
Lab File: VY001730.D
Acq: 20 Feb 2020 17:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.3	45.5	68.3
119	31.2	25.8	38.6

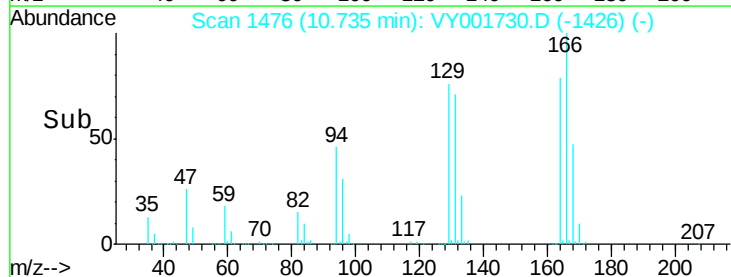
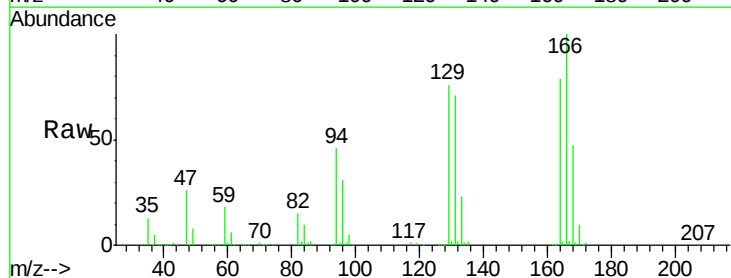
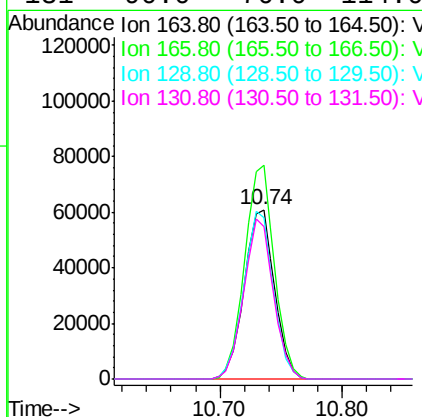
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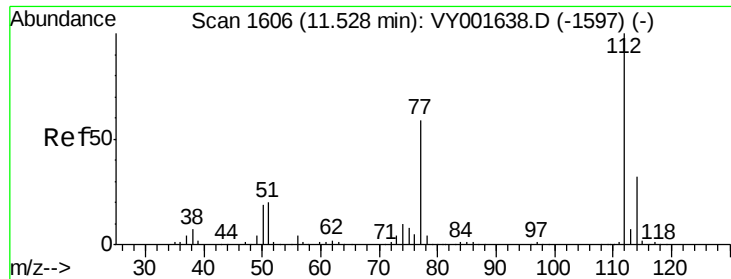
MMDadoda
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#64
Tetrachloroethene
Concen: 50.501 ug/l
RT: 10.74 min Scan# 1476
Delta R.T. 0.01 min
Lab File: VY001730.D
Acq: 20 Feb 2020 17:54

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.3	101.4	152.0
129	95.4	78.7	118.1
131	90.0	76.0	114.0





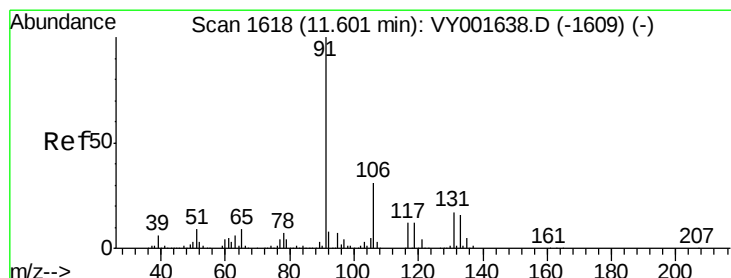
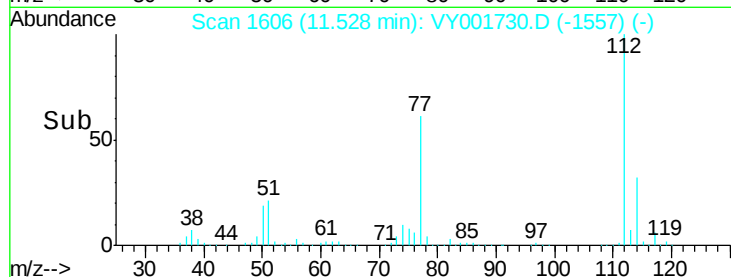
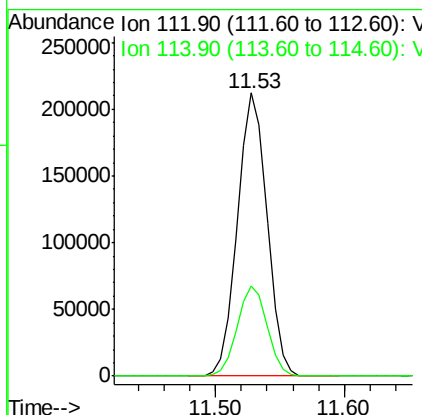
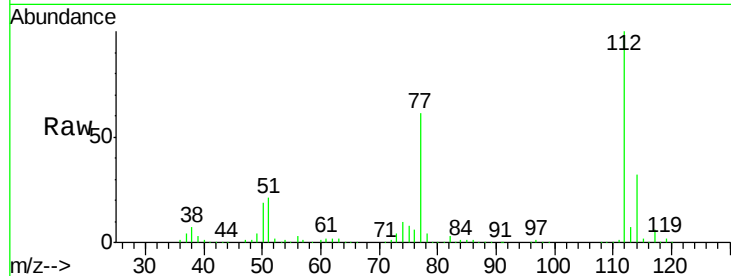
#65
Chlorobenzene
Concen: 51.312 ug/l
RT: 11.53 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VY001730.D
Acq: 20 Feb 2020 17:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 336604
Ion Ratio Lower Upper
112 100
114 31.9 25.4 38.2

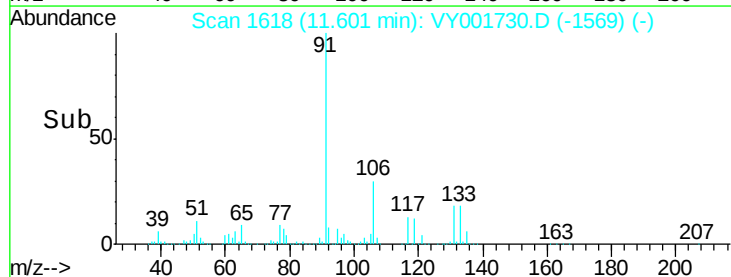
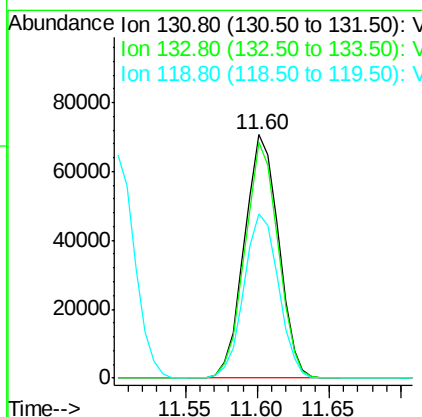
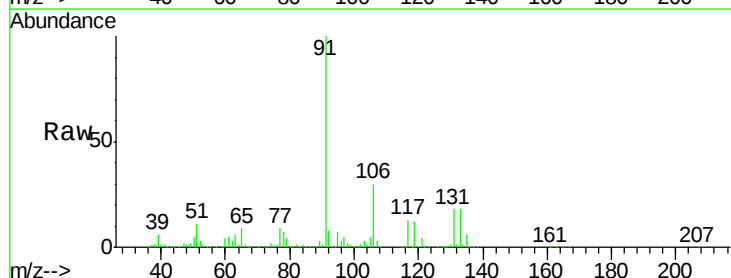
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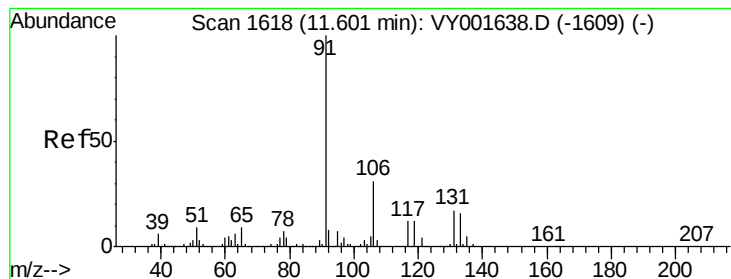
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 52.498 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VY001730.D
Acq: 20 Feb 2020 17:54

Tgt Ion:131 Resp: 116170
Ion Ratio Lower Upper
131 100
133 93.9 47.4 142.2
119 68.0 34.4 103.1





#67

Ethyl Benzene

Concen: 52.050 ug/l

RT: 11.61 min Scan# 1619

Delta R.T. 0.01 min

Lab File: VY001730.D

Acq: 20 Feb 2020 17:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 633643

Ion Ratio Lower Upper

91 100

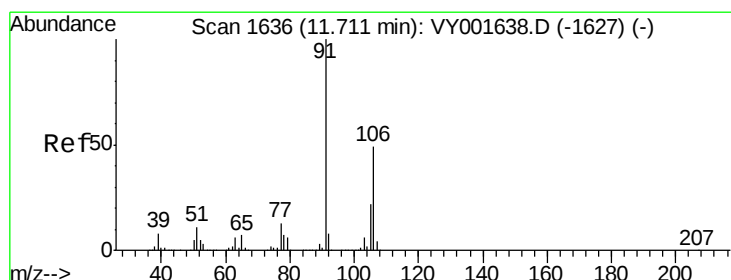
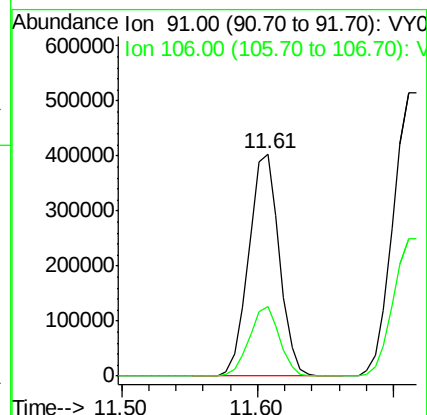
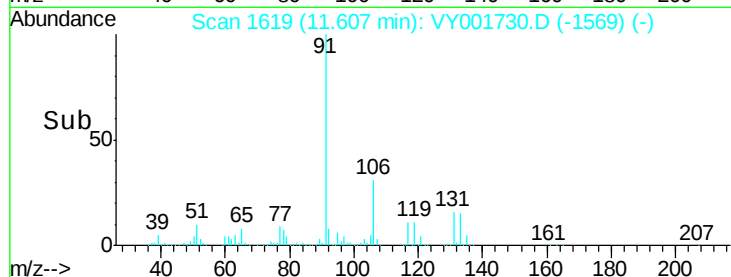
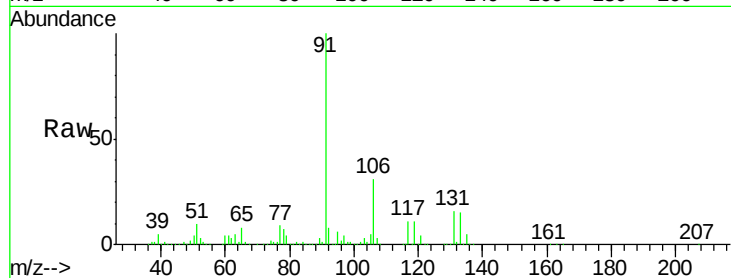
106 31.1 24.5 36.7

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#68

m/p-Xylenes

Concen: 103.700 ug/l

RT: 11.72 min Scan# 1637

Delta R.T. 0.01 min

Lab File: VY001730.D

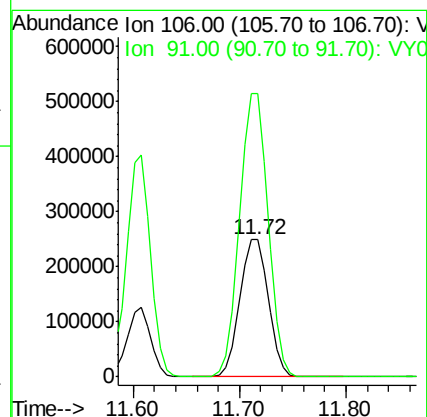
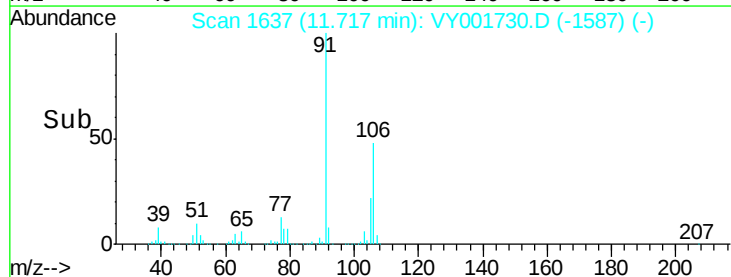
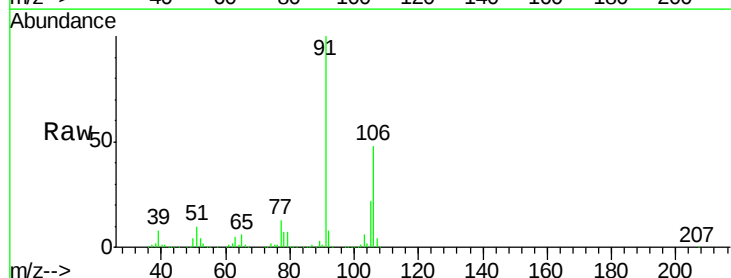
Acq: 20 Feb 2020 17:54

Tgt Ion: 106 Resp: 471565

Ion Ratio Lower Upper

106 100

91 205.6 163.3 244.9





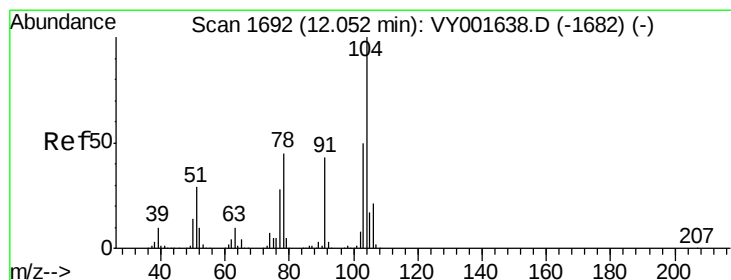
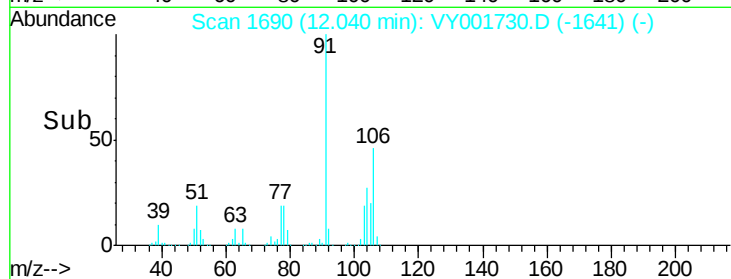
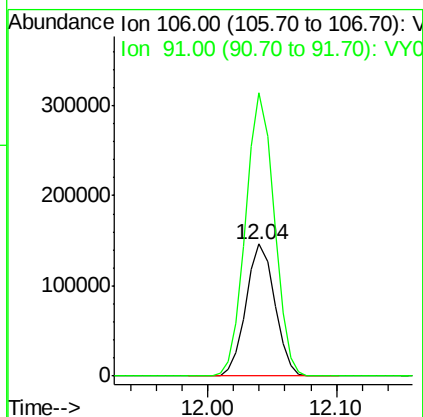
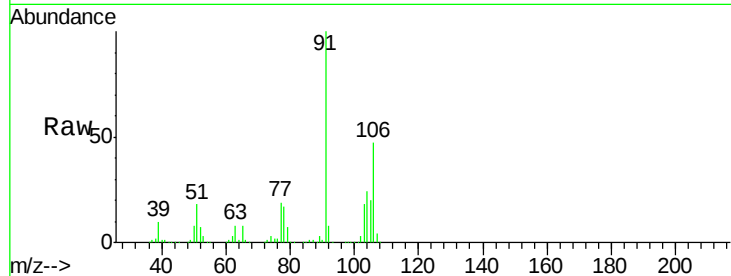
#69
o-Xylene
Concen: 52.288 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VY001730.D
Acq: 20 Feb 2020 17:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	226050		
91	91	212.7	108.3	324.9	

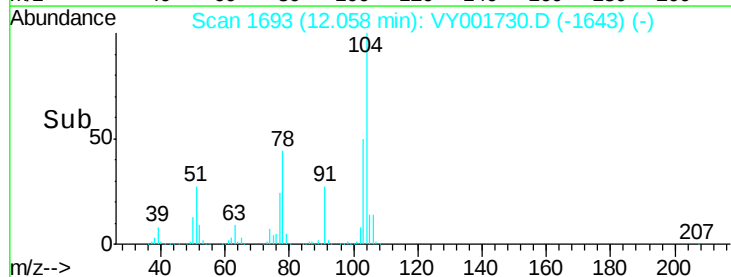
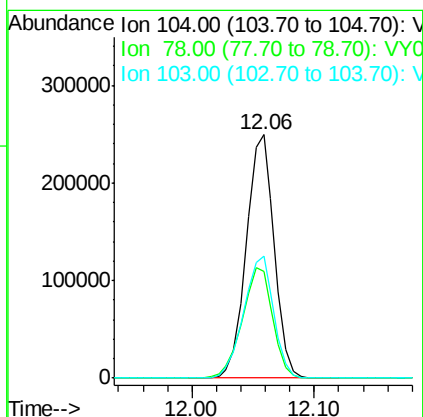
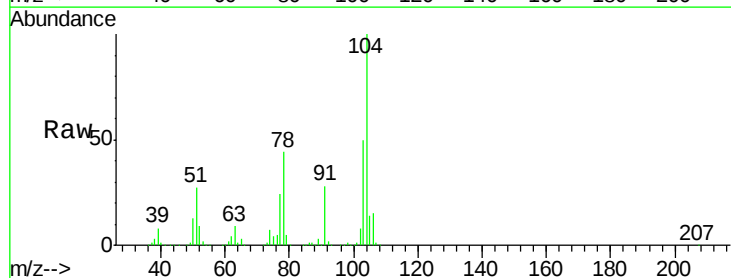
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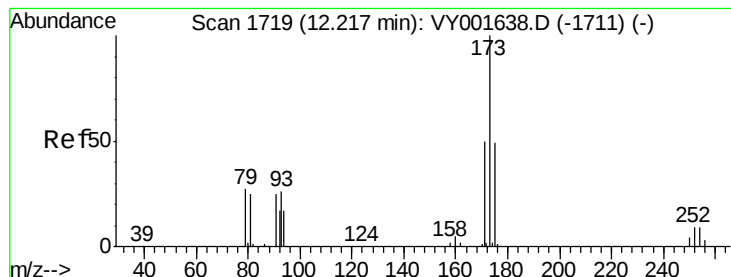
MMDadoda
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#70
Styrene
Concen: 52.399 ug/l
RT: 12.06 min Scan# 1693
Delta R.T. 0.01 min
Lab File: VY001730.D
Acq: 20 Feb 2020 17:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	393691		
78	78	49.5	39.2	58.8	
103	103	54.0	43.0	64.6	





#71

Bromoform

Concen: 52.095 ug/l

RT: 12.22 min Scan# 1719

Delta R.T. 0.00 min

Lab File: VY001730.D

Acq: 20 Feb 2020 17:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 65880

Ion Ratio Lower Upper

173 100

175 48.2 24.3 73.0

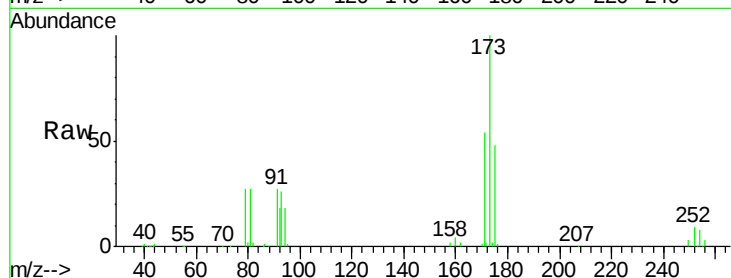
254 0.1 0.1 0.1#

Manual Integrations

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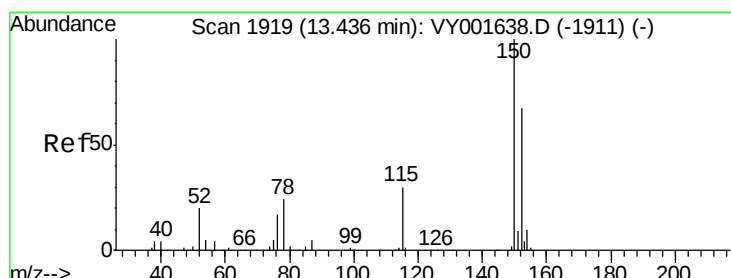
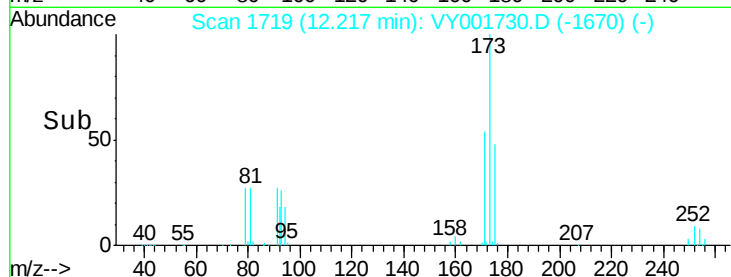
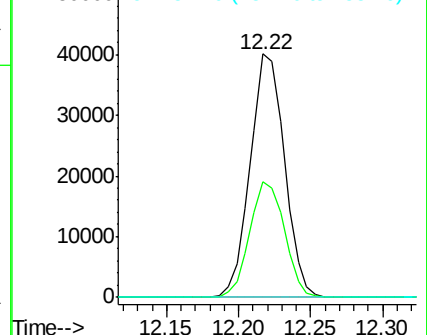
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.44 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VY001730.D

Acq: 20 Feb 2020 17:54

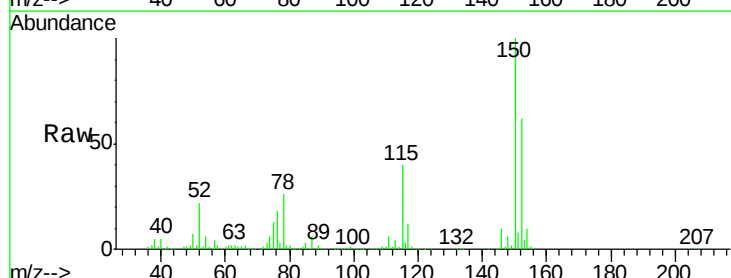
Tgt Ion:152 Resp: 152321

Ion Ratio Lower Upper

152 100

115 63.9 31.4 94.2

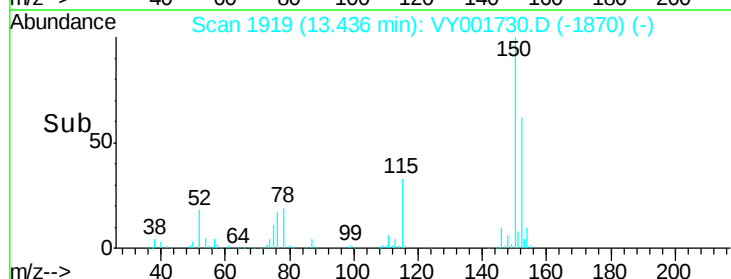
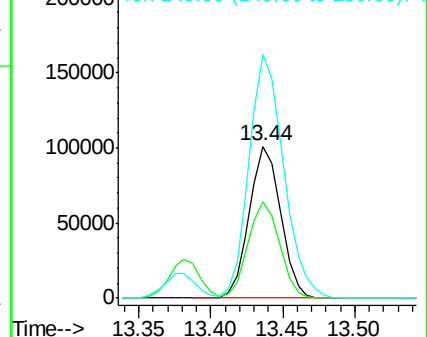
150 177.0 0.0 407.2

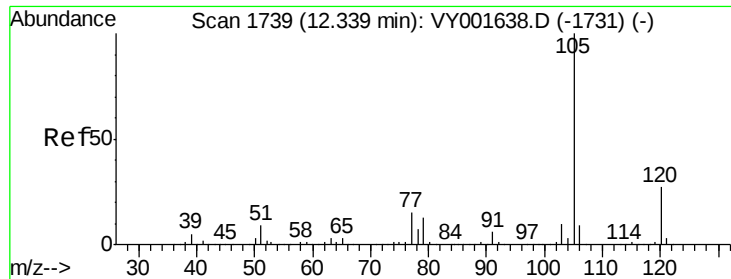


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





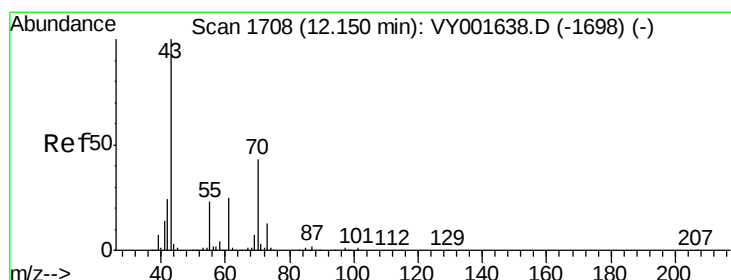
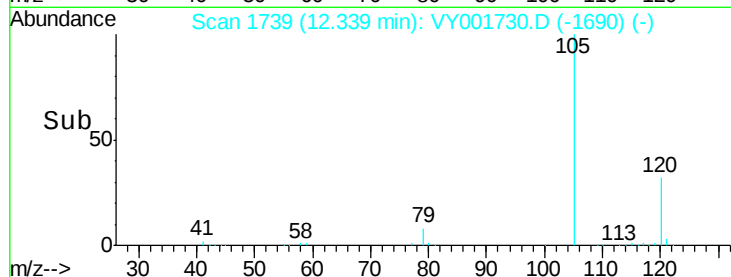
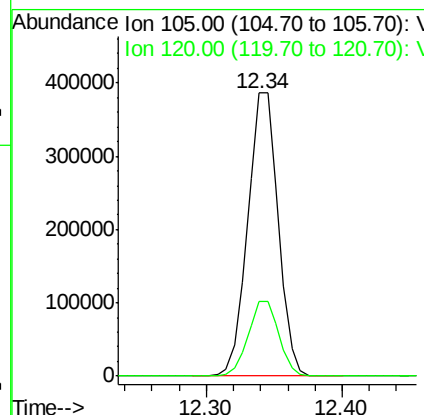
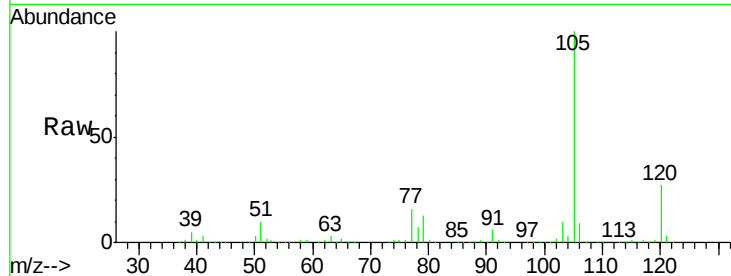
#73
Isopropylbenzene
Concen: 52.212 ug/l
RT: 12.34 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VY001730.D
Acq: 20 Feb 2020 17:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.6	13.4	40.1

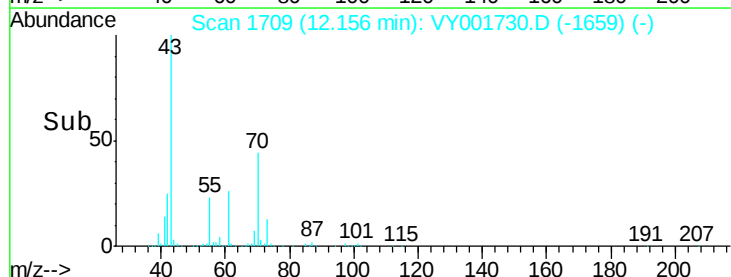
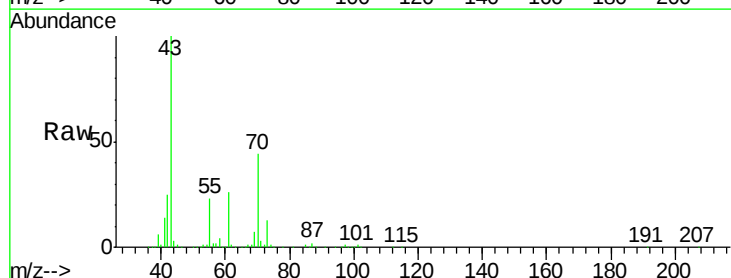
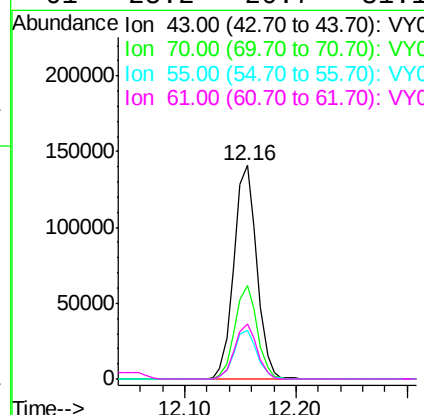
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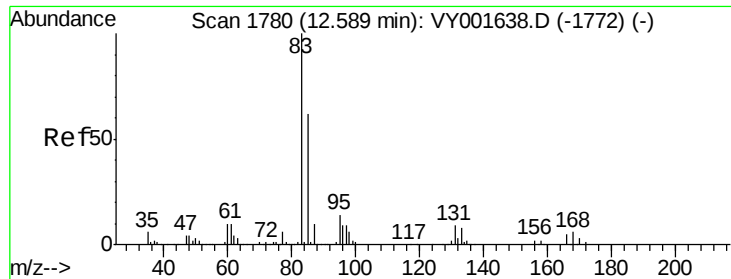
MMDadoda
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#74
N-ethyl acetate
Concen: 54.154 ug/l
RT: 12.16 min Scan# 1709
Delta R.T. 0.01 min
Lab File: VY001730.D
Acq: 20 Feb 2020 17:54

Tgt Ion	Ratio	Lower	Upper
43	100		
70	43.1	35.9	53.9
55	22.9	18.3	27.5
61	25.2	20.7	31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 54.410 ug/l

RT: 12.59 min Scan# 1781

Delta R.T. 0.01 min

Lab File: VY001730.D

Acq: 20 Feb 2020 17:54

Instrument :

MSVOA_Y

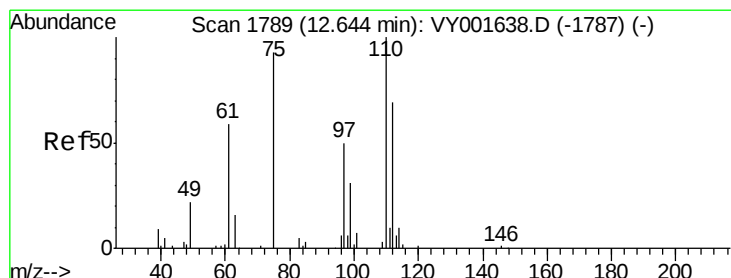
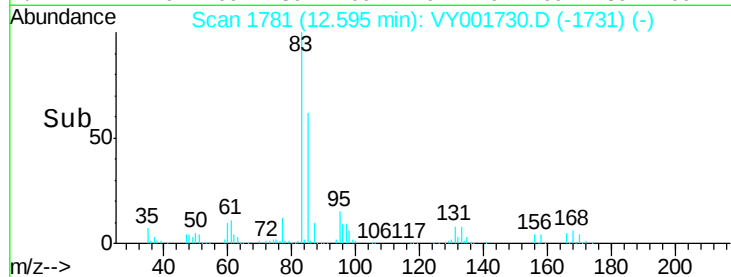
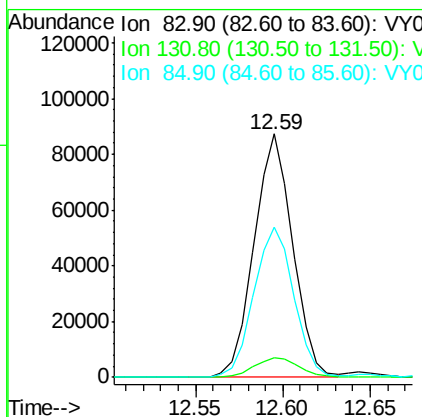
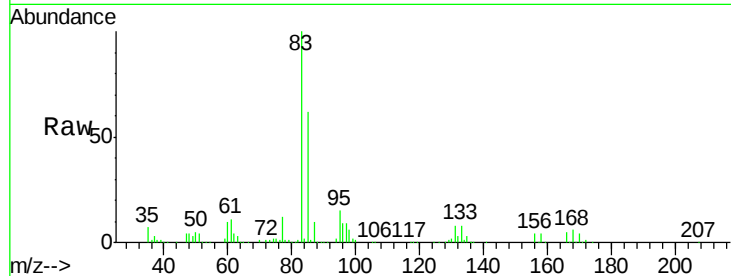
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	134812
Ion Ratio	Lower	Upper	
83	100		
131	9.2	4.7	14.1
85	63.8	31.6	94.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 54.679 ug/l m

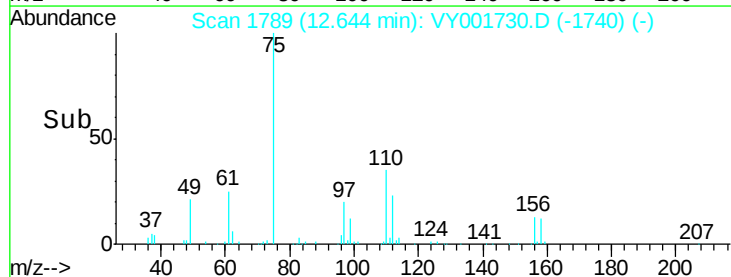
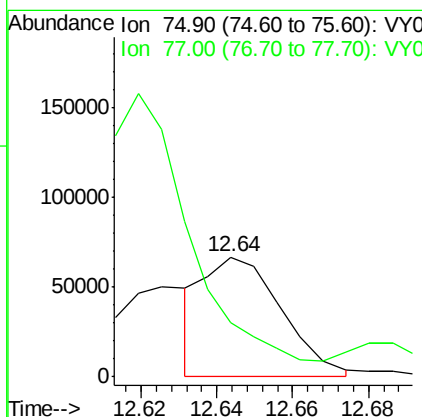
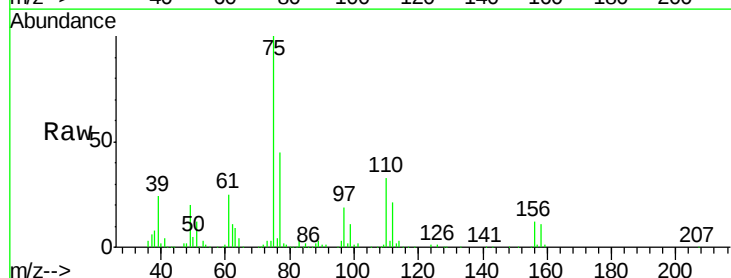
RT: 12.64 min Scan# 1789

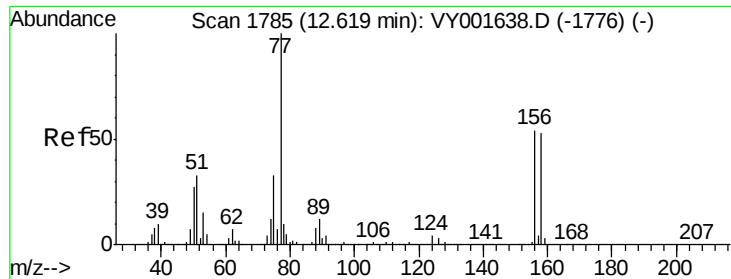
Delta R.T. 0.00 min

Lab File: VY001730.D

Acq: 20 Feb 2020 17:54

Tgt Ion:	75	Resp:	95542
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





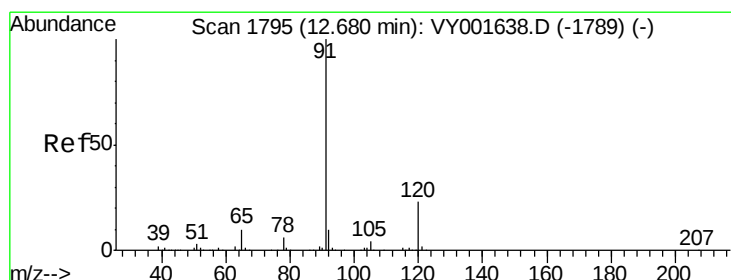
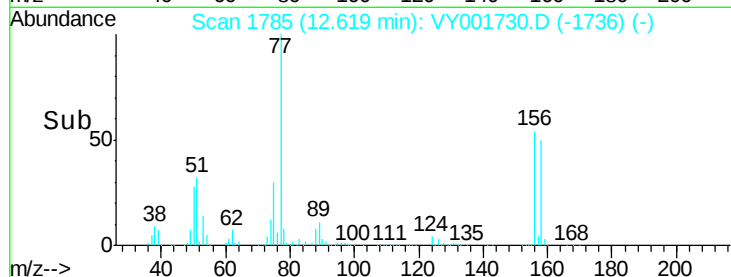
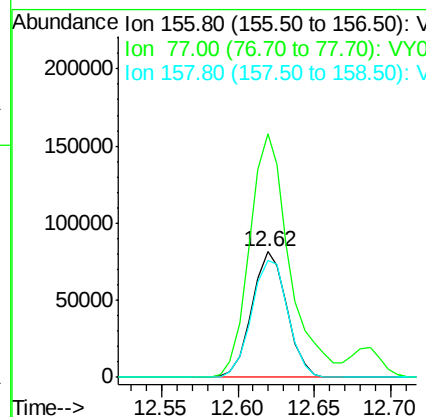
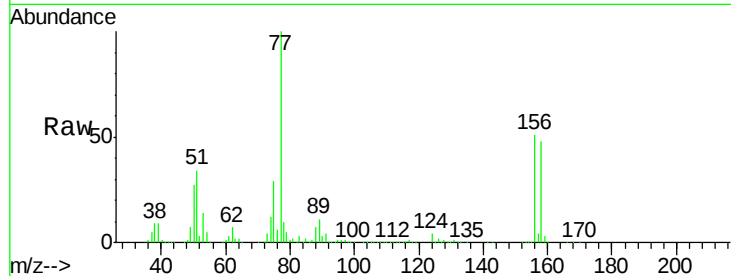
#77
Bromobenzene
Concen: 51.363 ug/l
RT: 12.62 min Scan# 1785
Delta R.T. 0.00 min
Lab File: VY001730.D
Acq: 20 Feb 2020 17:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	222.1	110.1	330.1	
158	96.6	47.9	143.7	

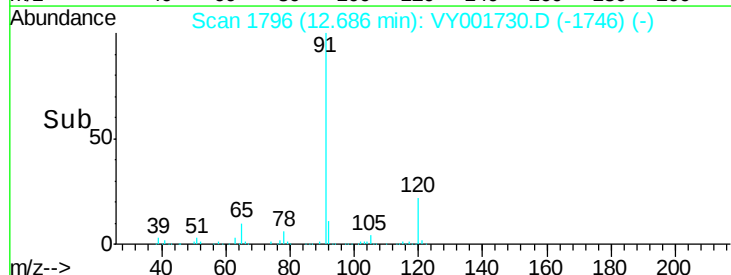
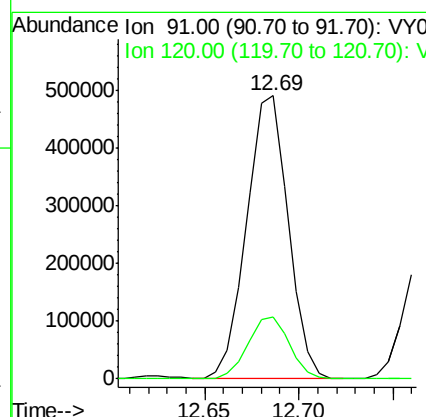
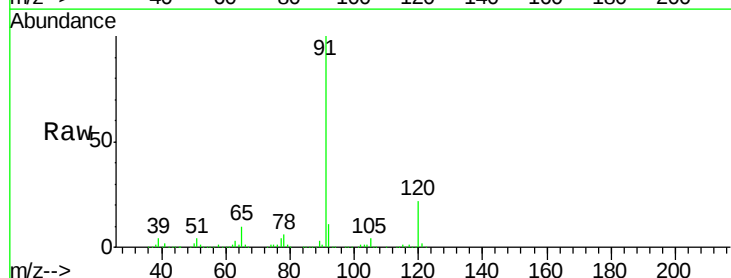
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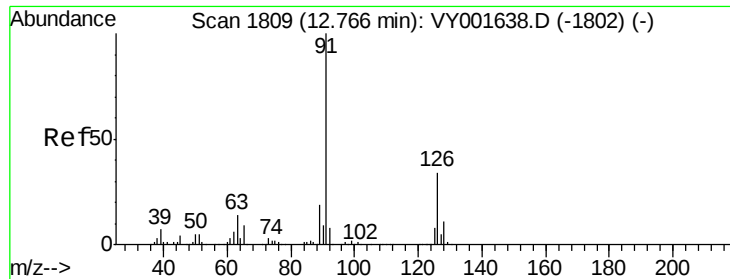
MMDadoda
2/21/2020 3:23:31 PM



#78
n-propylbenzene
Concen: 53.199 ug/l
RT: 12.69 min Scan# 1796
Delta R.T. 0.01 min
Lab File: VY001730.D
Acq: 20 Feb 2020 17:54

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	22.0	11.1	33.1	





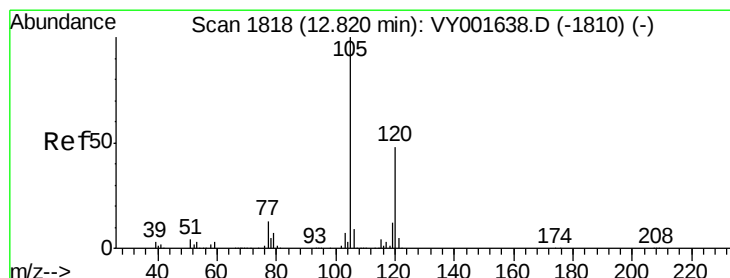
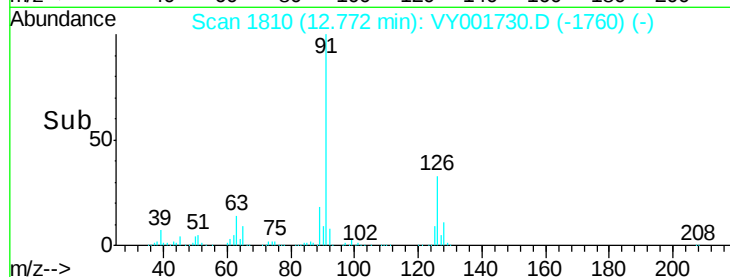
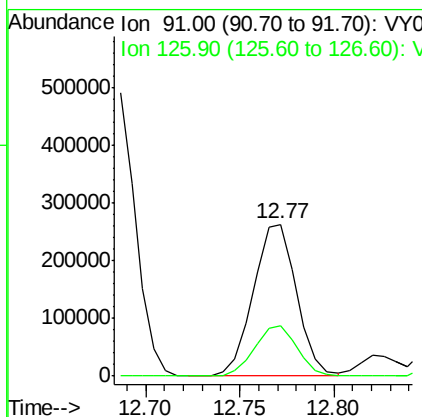
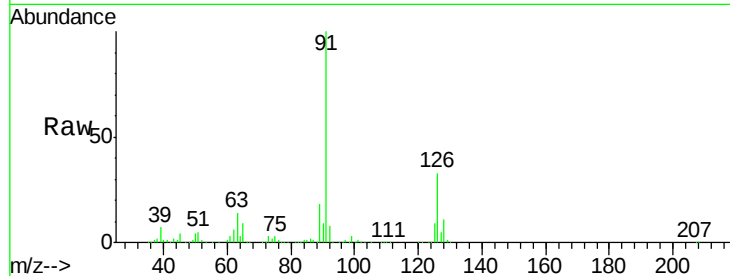
#79
2-Chlorotoluene
Concen: 52.813 ug/l
RT: 12.77 min Scan# 1810
Delta R.T. 0.01 min
Lab File: VY001730.D
Acq: 20 Feb 2020 17:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 418623
Ion Ratio Lower Upper
91 100
126 32.7 16.2 48.6

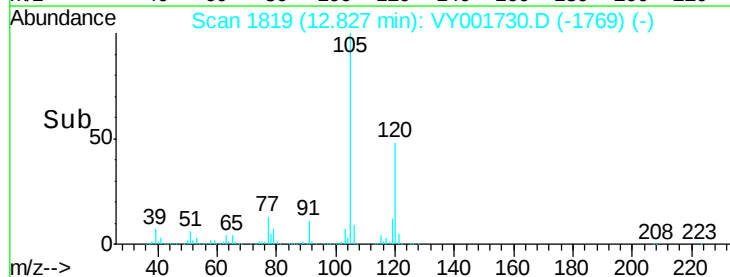
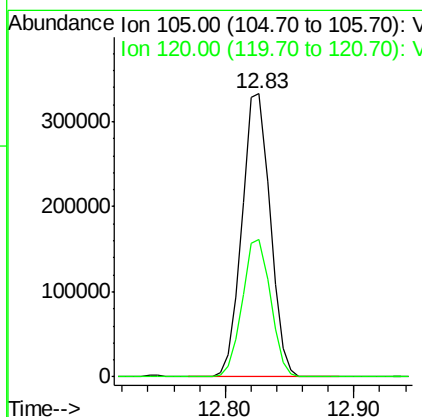
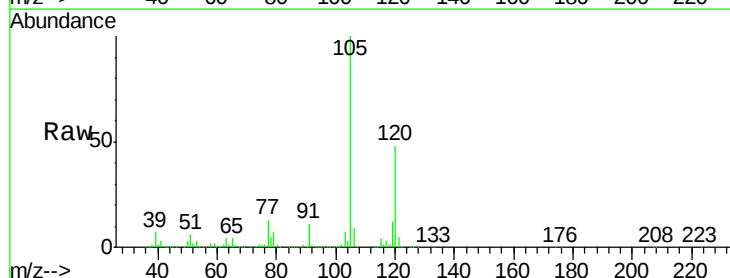
Manual Integrations
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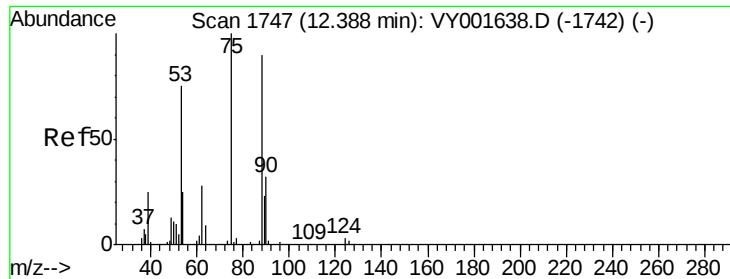
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 52.431 ug/l
RT: 12.83 min Scan# 1819
Delta R.T. 0.01 min
Lab File: VY001730.D
Acq: 20 Feb 2020 17:54

Tgt Ion: 105 Resp: 503639
Ion Ratio Lower Upper
105 100
120 48.4 24.3 72.9





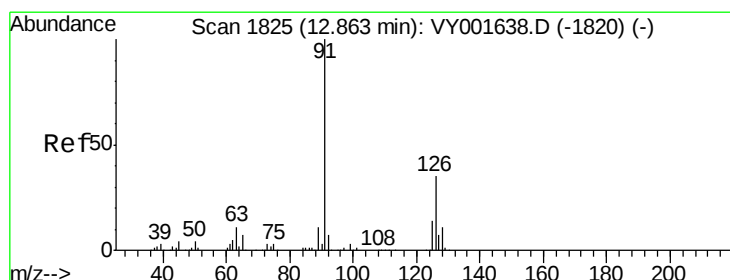
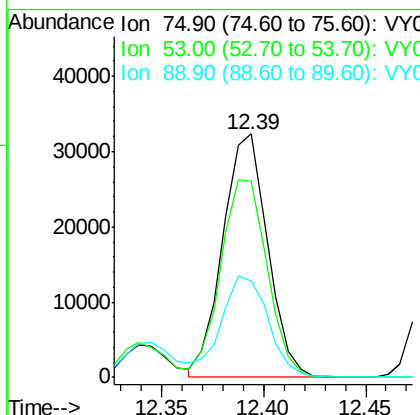
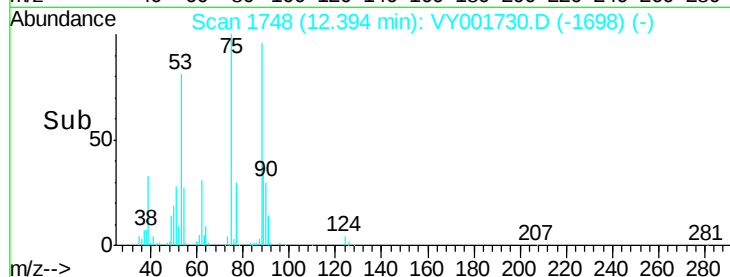
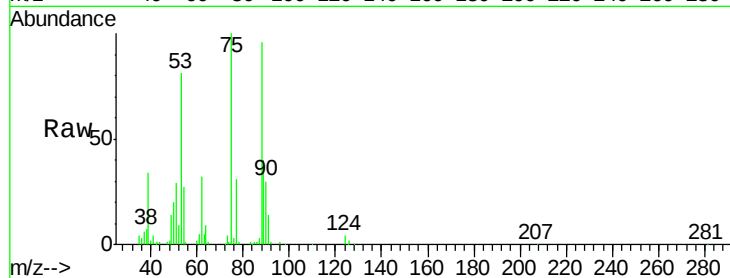
#81
trans-1,4-Dichloro-2-butene
Concen: 53.150 ug/l
RT: 12.39 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VY001730.D
Acq: 20 Feb 2020 17:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	85.0	64.5	96.7
89	43.9	36.3	54.5

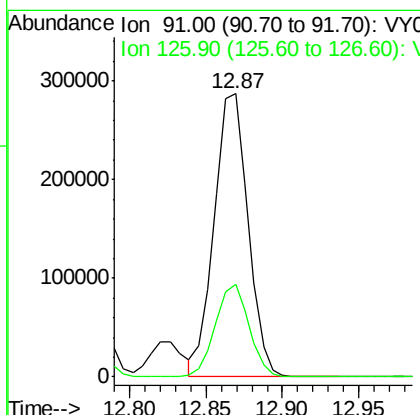
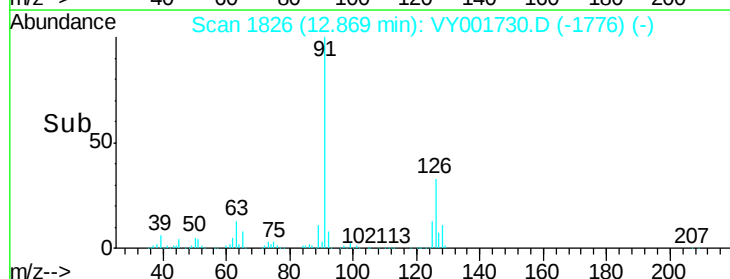
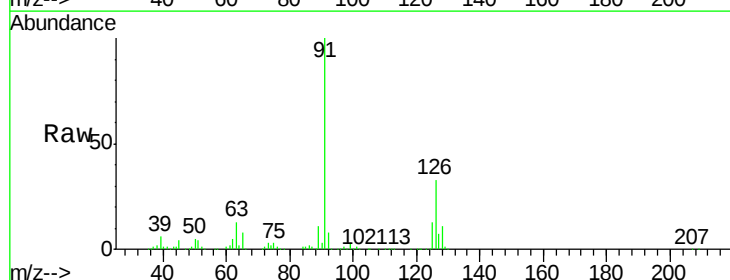
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#82
4-Chlorotoluene
Concen: 52.769 ug/l
RT: 12.87 min Scan# 1826
Delta R.T. 0.01 min
Lab File: VY001730.D
Acq: 20 Feb 2020 17:54

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.6	16.2	48.6





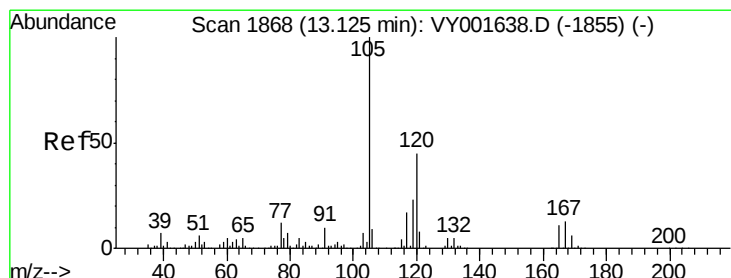
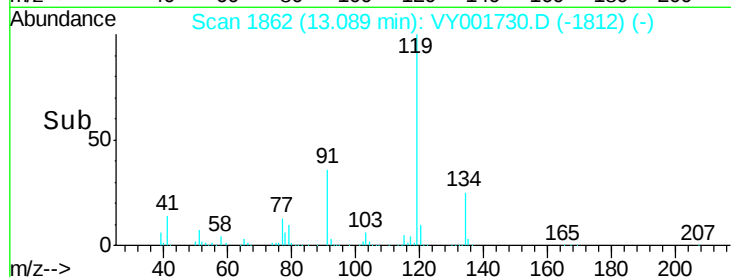
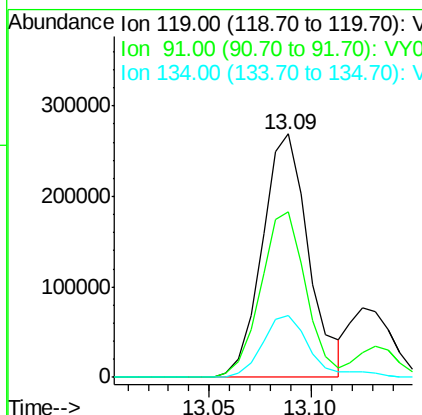
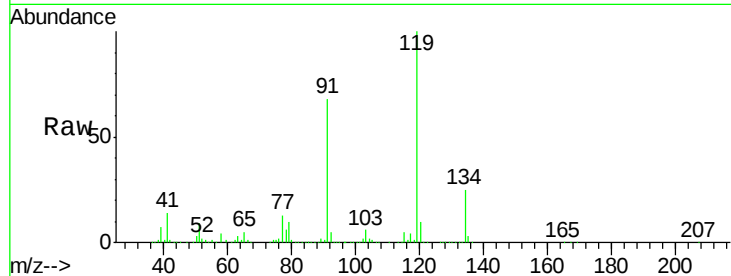
#83
tert-Butylbenzene
Concen: 53.090 ug/l
RT: 13.09 min Scan# 1862
Delta R.T. 0.01 min
Lab File: VY001730.D
Acq: 20 Feb 2020 17:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.1	33.5	100.5
134	26.4	13.3	39.8

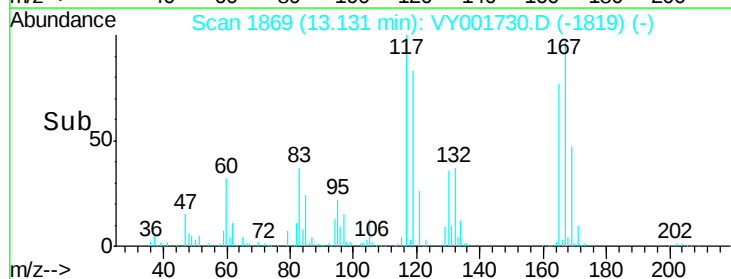
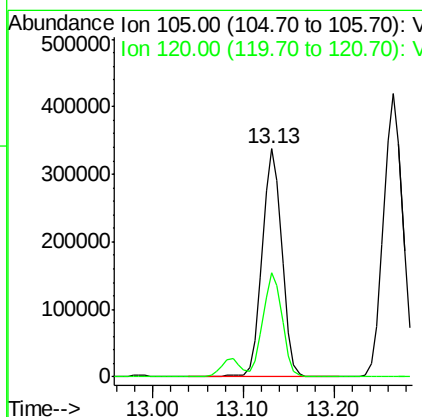
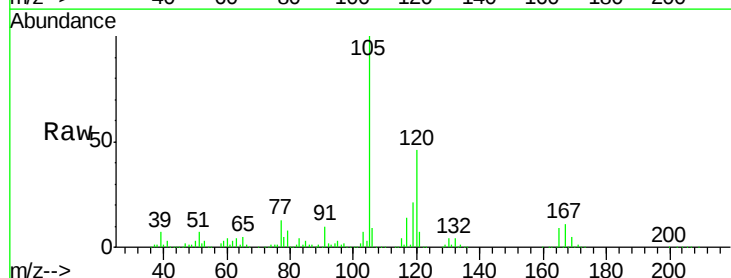
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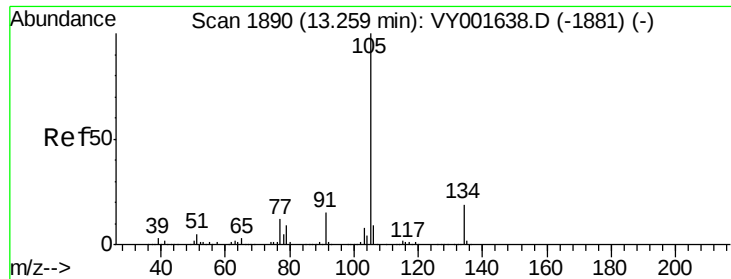
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 52.843 ug/l
RT: 13.13 min Scan# 1869
Delta R.T. 0.01 min
Lab File: VY001730.D
Acq: 20 Feb 2020 17:54

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.8	22.4	67.3





#85

sec-Butylbenzene

Concen: 52.389 ug/l

RT: 13.27 min Scan# 1891

Delta R.T. 0.01 min

Lab File: VY001730.D

Acq: 20 Feb 2020 17:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 619007

Ion Ratio Lower Upper

105 100

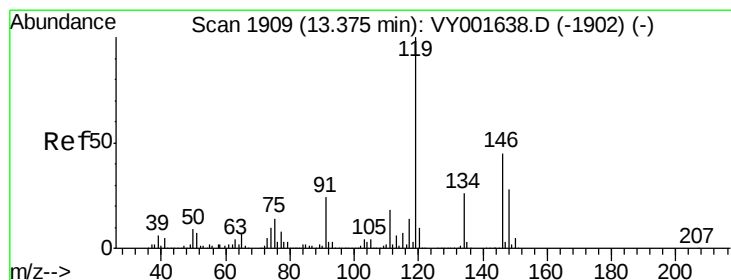
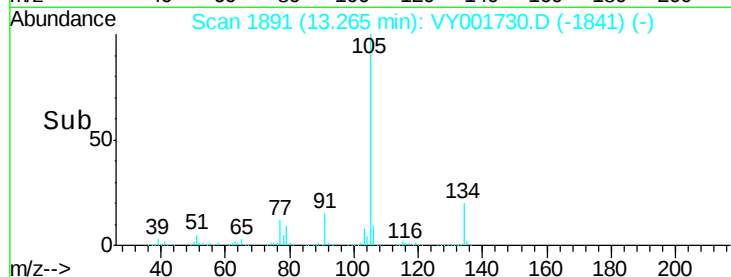
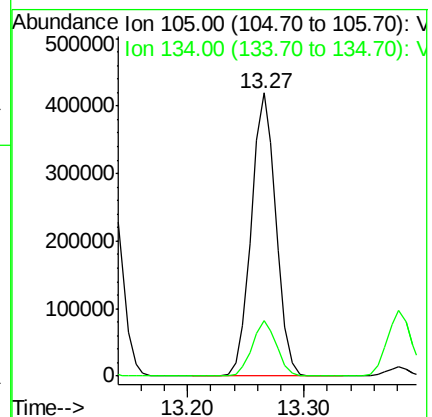
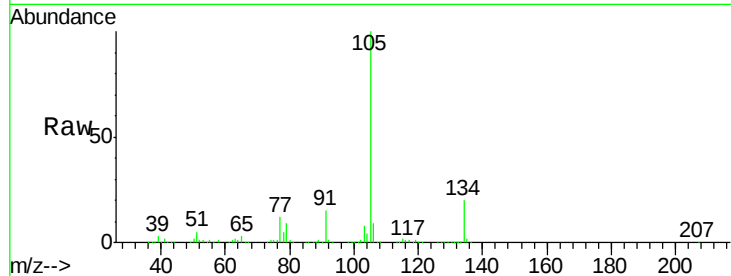
134 19.4 9.8 29.3

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 52.148 ug/l

RT: 13.38 min Scan# 1910

Delta R.T. 0.01 min

Lab File: VY001730.D

Acq: 20 Feb 2020 17:54

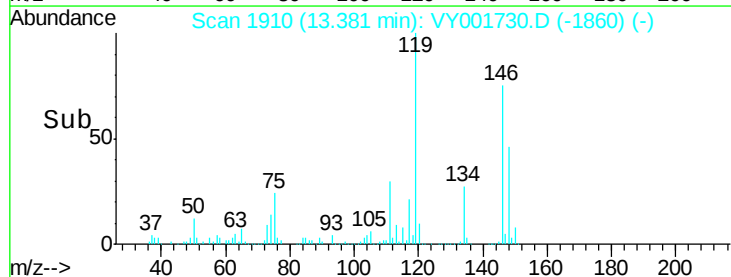
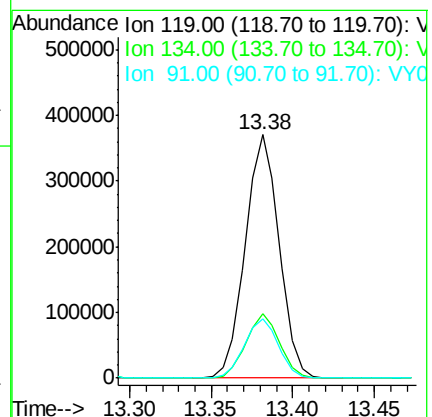
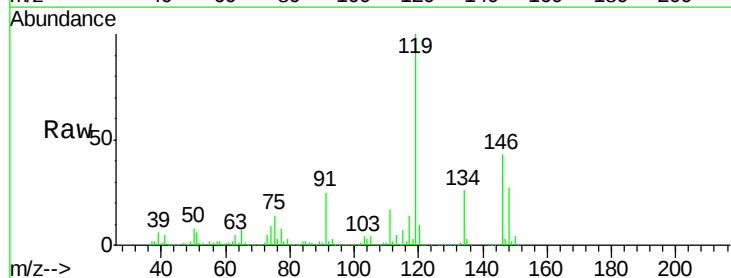
Tgt Ion:119 Resp: 535277

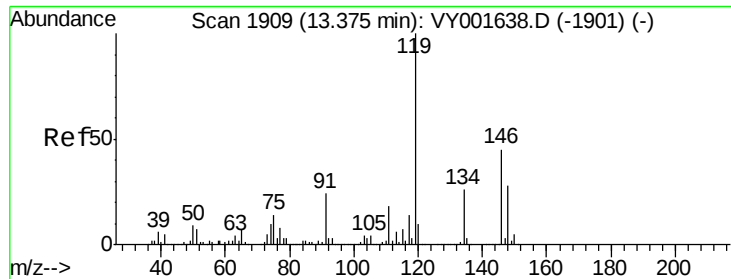
Ion Ratio Lower Upper

119 100

134 26.3 13.0 39.0

91 24.5 12.2 36.6





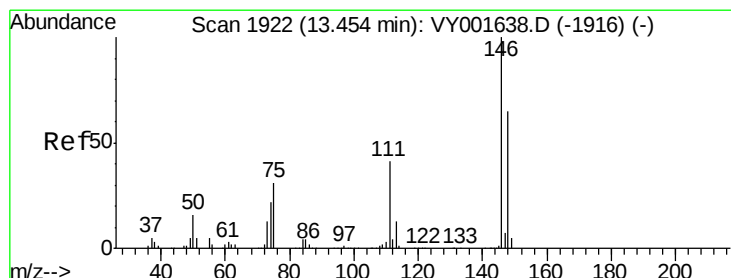
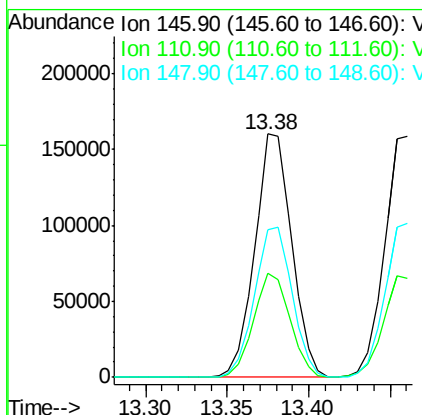
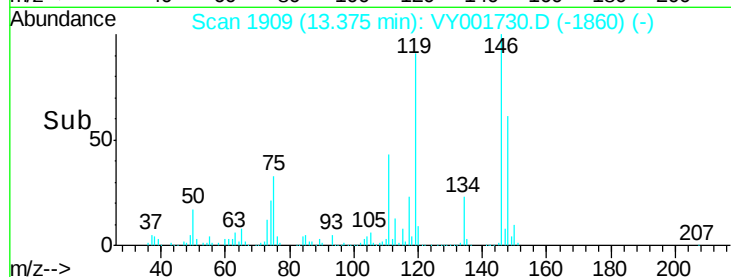
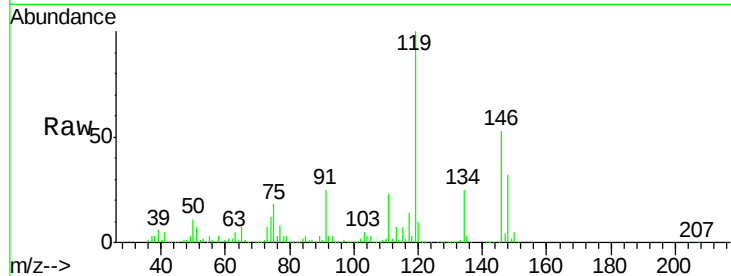
#87
 1,3-Dichlorobenzene
 Concen: 51.636 ug/l
 RT: 13.38 min Scan# 1909
 Delta R.T. 0.00 min
 Lab File: VY001730.D
 Acq: 20 Feb 2020 17:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.4	64.3
148	62.9	31.6	94.7

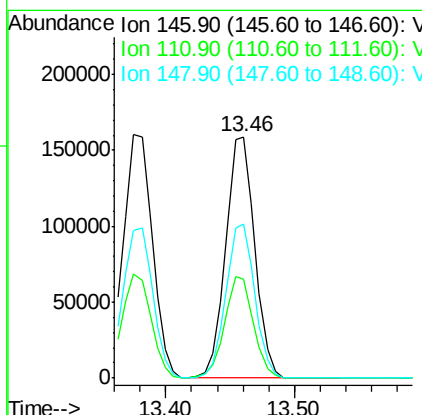
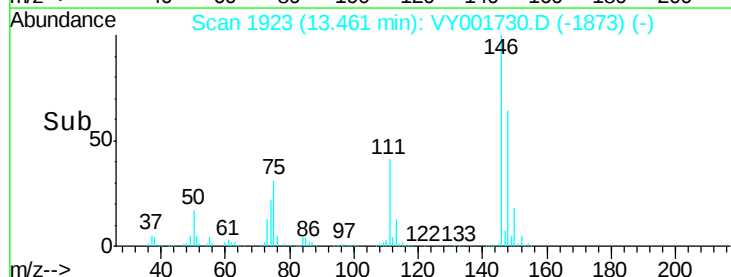
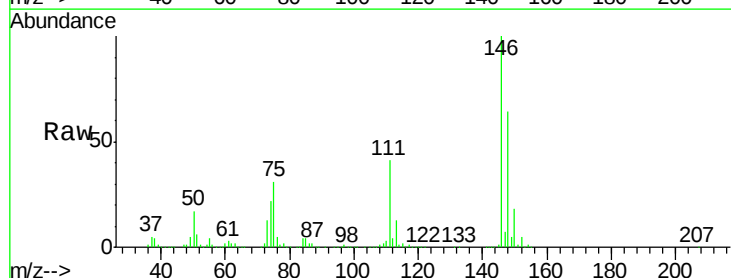
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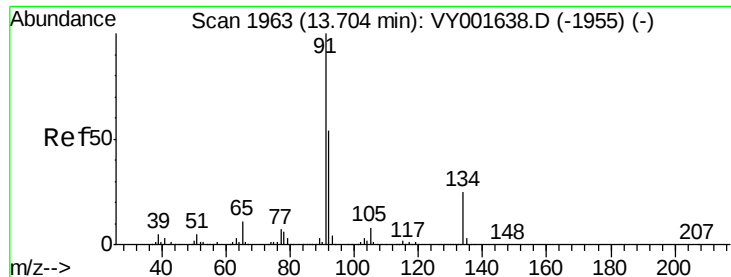
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#88
 1,4-Dichlorobenzene
 Concen: 50.927 ug/l
 RT: 13.46 min Scan# 1923
 Delta R.T. 0.01 min
 Lab File: VY001730.D
 Acq: 20 Feb 2020 17:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.8	20.4	61.3
148	63.8	31.6	94.7





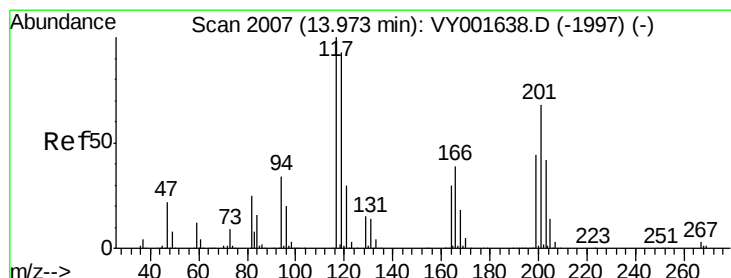
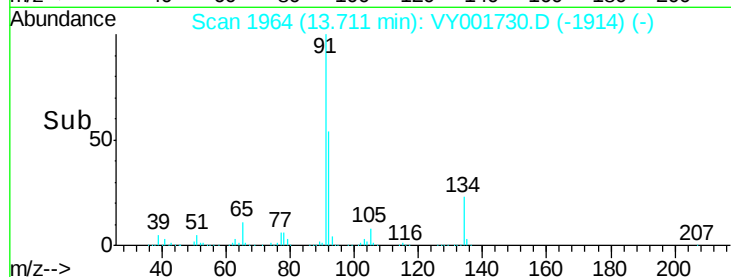
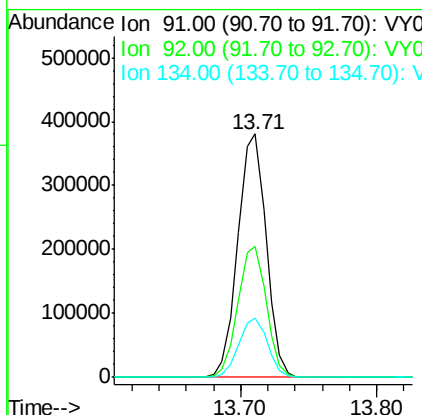
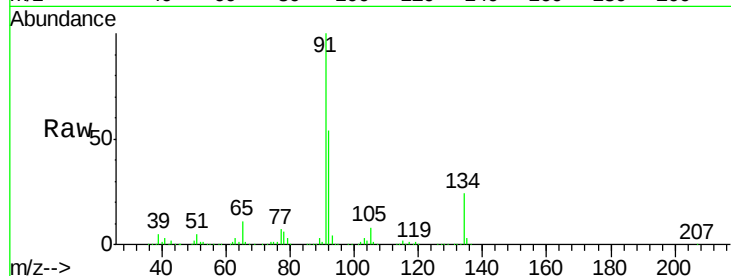
#89
n-Butylbenzene
Concen: 52.816 ug/l
RT: 13.71 min Scan# 1964
Delta R.T. 0.01 min
Lab File: VY001730.D
Acq: 20 Feb 2020 17:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.8	27.5	82.4
134	24.6	12.4	37.4

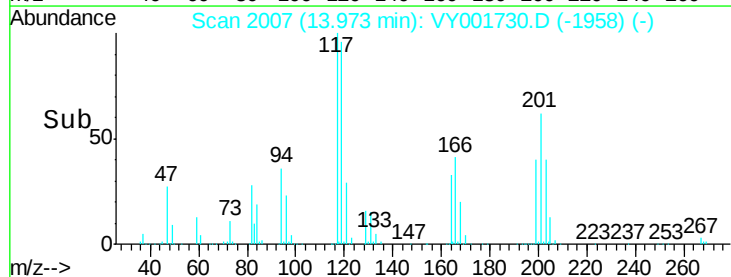
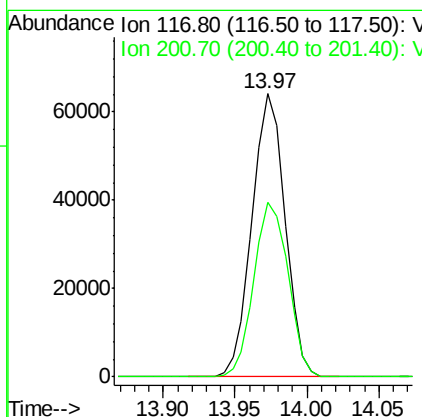
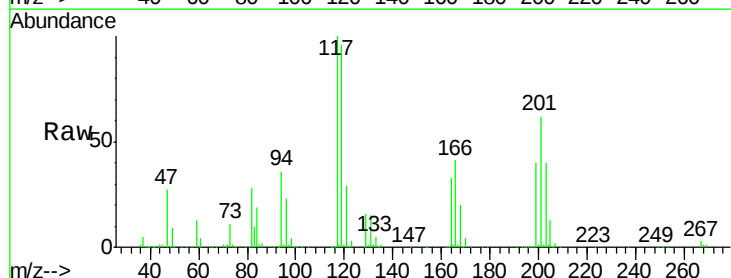
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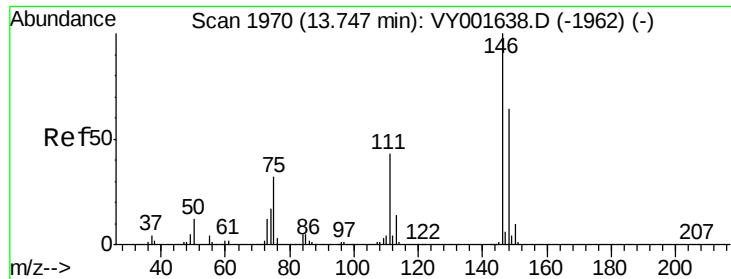
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#90
Hexachloroethane
Concen: 52.671 ug/l
RT: 13.97 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VY001730.D
Acq: 20 Feb 2020 17:54

Tgt Ion	Ratio	Lower	Upper
117	100		
201	63.8	32.5	97.4





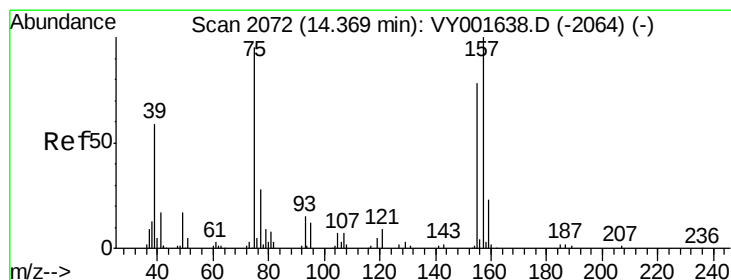
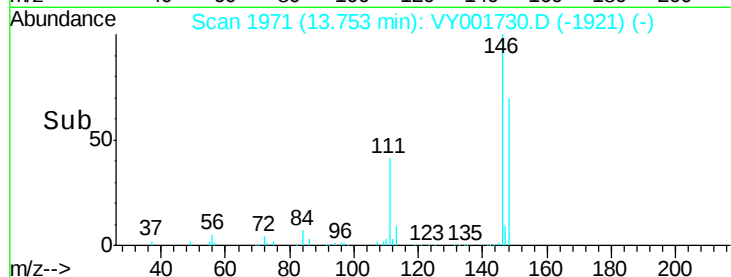
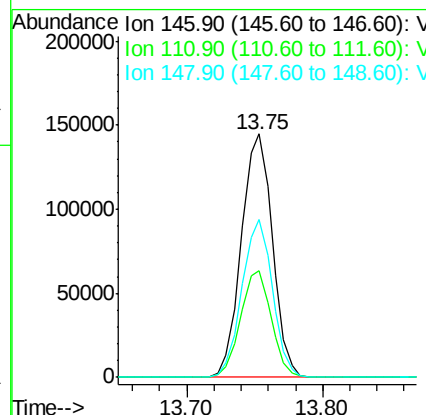
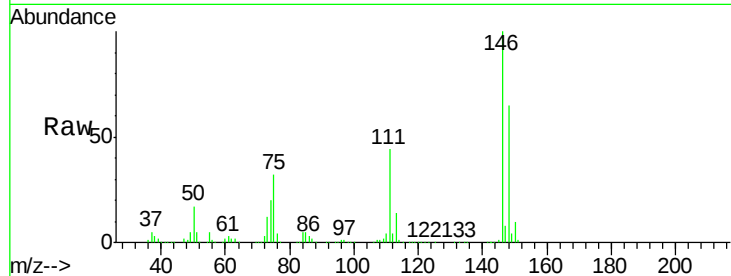
#91
 1,2-Dichlorobenzene
 Concen: 51.214 ug/l
 RT: 13.75 min Scan# 1971
 Delta R.T. 0.01 min
 Lab File: VY001730.D
 Acq: 20 Feb 2020 17:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.3	21.9	65.7
148	63.5	31.5	94.5

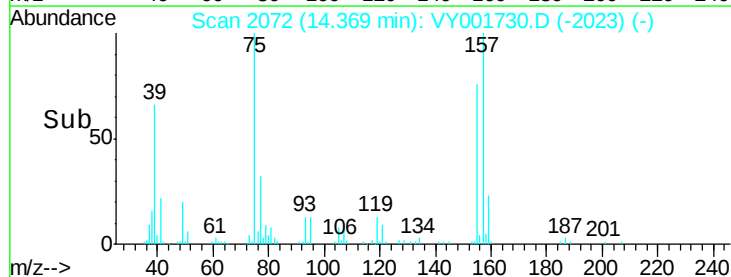
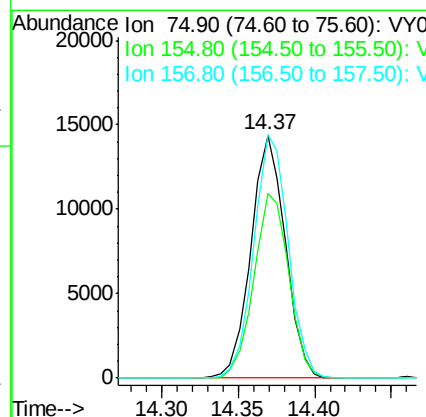
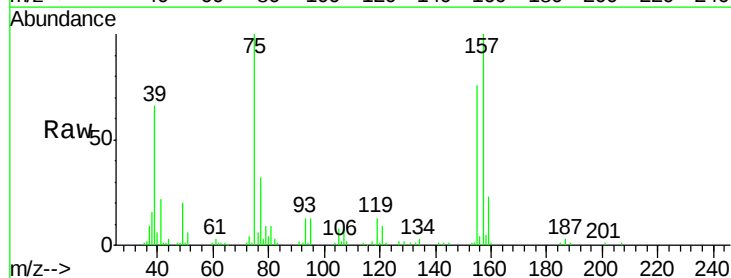
Manual Integrations
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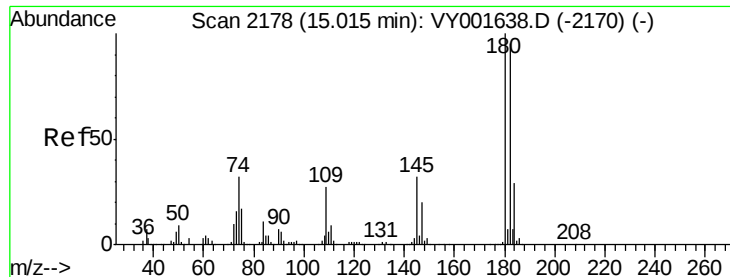
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.883 ug/l
 RT: 14.37 min Scan# 2072
 Delta R.T. 0.00 min
 Lab File: VY001730.D
 Acq: 20 Feb 2020 17:54

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.3	40.8	122.4
157	100.6	52.1	156.4





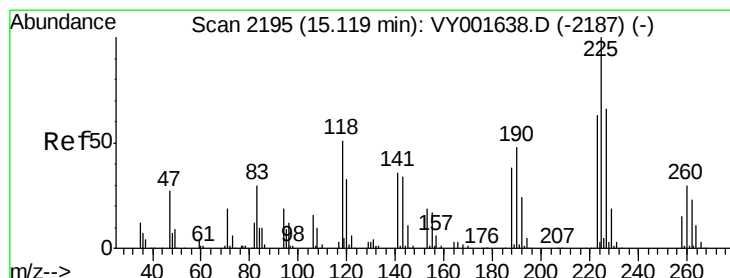
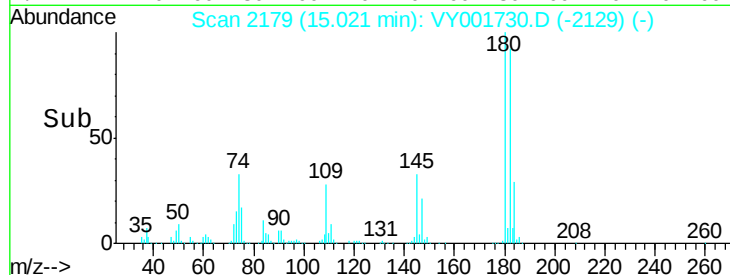
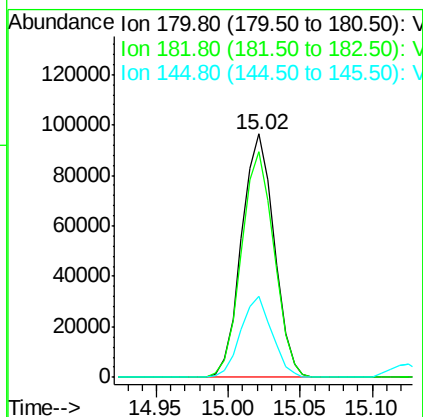
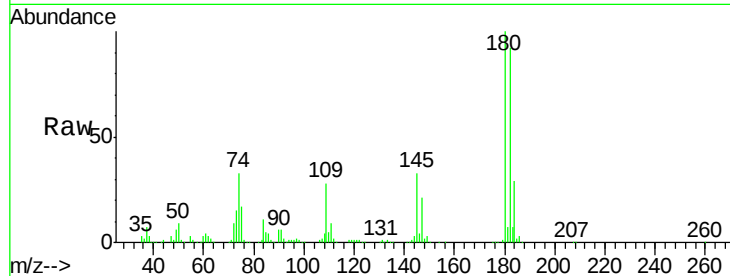
#93
 1,2,4-Trichlorobenzene
 Concen: 50.616 ug/l
 RT: 15.02 min Scan# 2179
 Delta R.T. 0.01 min
 Lab File: VY001730.D
 Acq: 20 Feb 2020 17:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	151017		
182	92.6	46.8	140.3	
145	32.1	16.2	48.5	

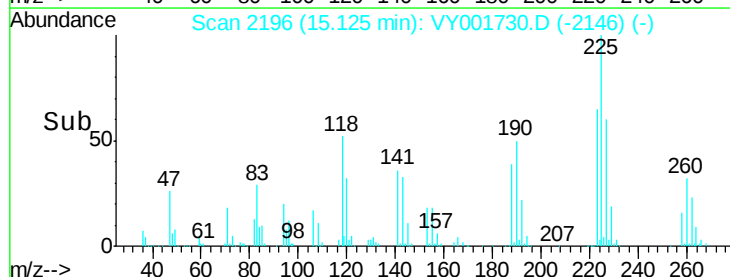
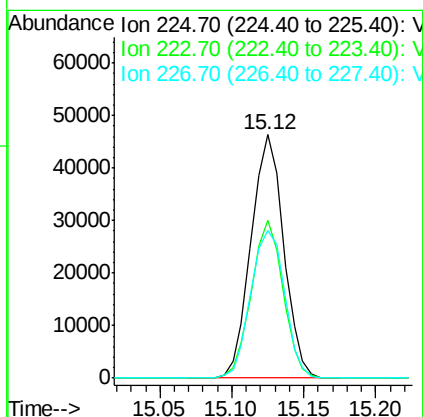
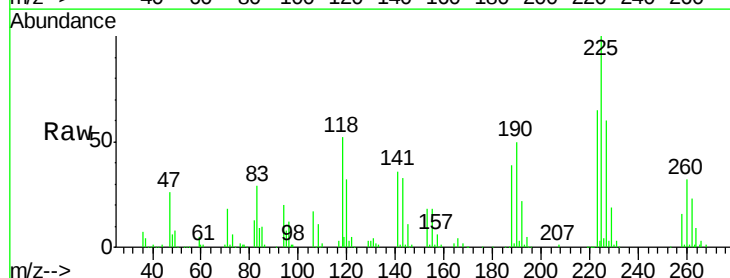
Manual Integrations
 APPROVED

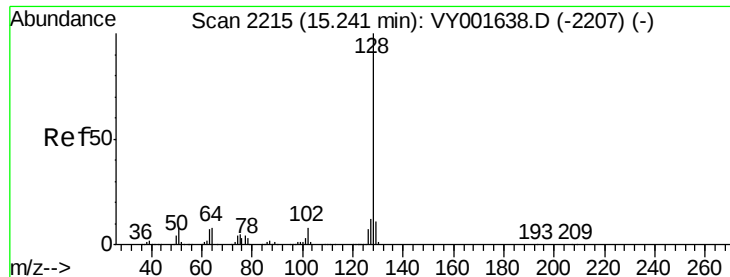
MMDadoda
 2/21/2020 3:23:31 PM



#94
 Hexachlorobutadiene
 Concen: 48.841 ug/l
 RT: 15.12 min Scan# 2196
 Delta R.T. 0.01 min
 Lab File: VY001730.D
 Acq: 20 Feb 2020 17:54

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	72470		
223	63.2	31.4	94.0	
227	63.0	31.6	94.8	





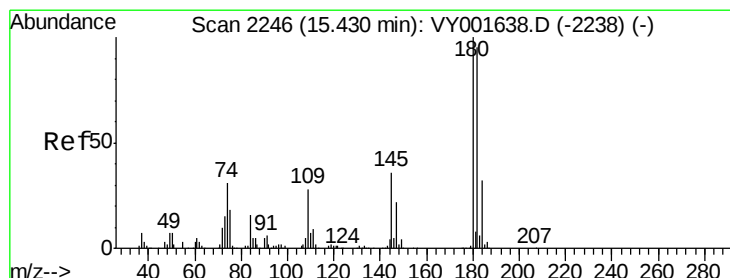
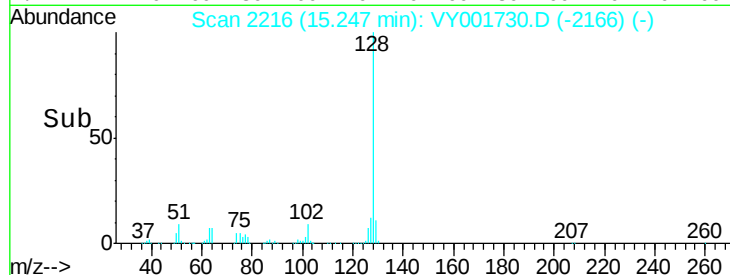
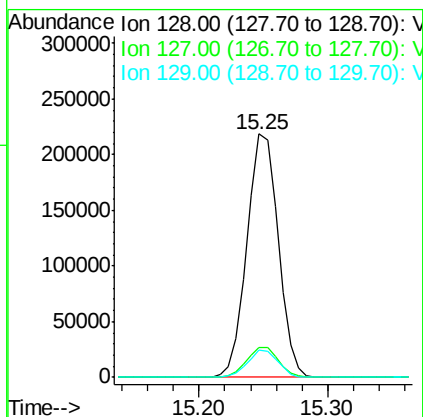
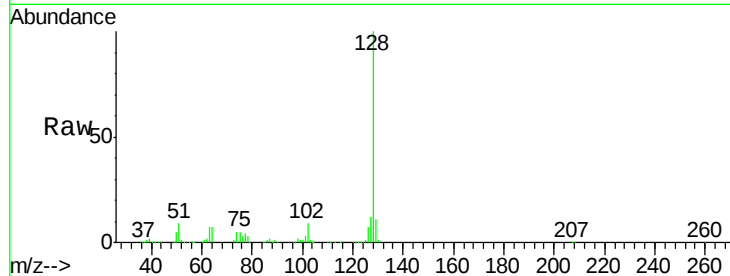
#95
Naphthalene
Concen: 53.179 ug/l
RT: 15.25 min Scan# 2216
Delta R.T. 0.01 min
Lab File: VY001730.D
Acq: 20 Feb 2020 17:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp Lower	Resp Upper
128	100		
127	12.5	9.9	14.9
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
2/21/2020 3:23:31 PM



#96
1,2,3-Trichlorobenzene
Concen: 50.466 ug/l
RT: 15.44 min Scan# 2247
Delta R.T. 0.01 min
Lab File: VY001730.D
Acq: 20 Feb 2020 17:54

Tgt Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	94.5	47.2	141.6
145	34.7	17.3	52.0

