

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY040320\
 Data File : VY002224.D
 Acq On : 03 Apr 2020 17:24
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/6/2020 11:30:16 AM

Quant Time: Apr 04 01:57:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y032620S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 07:11:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	145123	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	268678	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	248058	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	111721	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	77219	48.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.26%	
35) Dibromofluoromethane	7.74	113	74496	49.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.96%	
50) Toluene-d8	10.19	98	301549	48.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.44%	
62) 4-Bromofluorobenzene	12.49	95	106444	48.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.34%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.91	85	43532	46.095	ug/l	100
3) Chloromethane	2.12	50	73348	43.249	ug/l	98
4) Vinyl Chloride	2.26	62	77873	45.148	ug/l	99
5) Bromomethane	2.66	94	56115	49.851	ug/l	97
6) Chloroethane	2.81	64	53205	48.039	ug/l	97
7) Trichlorofluoromethane	3.15	101	109884	46.489	ug/l	98
8) Diethyl Ether	3.55	74	49993	49.936	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.92	101	76010	49.014	ug/l	98
10) Methyl Iodide	4.11	142	83970	45.537	ug/l	99
11) Tert butyl alcohol	4.99	59	52222	276.224	ug/l	96
12) 1,1-Dichloroethene	3.90	96	76258	48.427	ug/l	90
13) Acrolein	3.75	56	48015	203.202	ug/l	98
14) Allyl chloride	4.50	41	139084	48.247	ug/l	99
15) Acrylonitrile	5.19	53	137502	262.042	ug/l	99
16) Acetone	3.97	43	94296	209.210	ug/l	99
17) Carbon Disulfide	4.22	76	242085	46.324	ug/l	99
18) Methyl Acetate	4.50	43	58921	50.342	ug/l	100
19) Methyl tert-butyl Ether	5.25	73	227341	51.752	ug/l	99
20) Methylene Chloride	4.75	84	94312	50.602	ug/l	98
21) trans-1,2-Dichloroethene	5.25	96	89985	50.188	ug/l	97
22) Diisopropyl ether	6.14	45	299562	50.777	ug/l	98
23) Vinyl Acetate	6.09	43	987179	255.182	ug/l	98
24) 1,1-Dichloroethane	6.05	63	159150	50.738	ug/l	99
25) 2-Butanone	7.01	43	169601	245.056	ug/l	97
26) 2,2-Dichloropropane	7.01	77	123341	47.744	ug/l	98
27) cis-1,2-Dichloroethene	7.02	96	101076	51.243	ug/l	99
28) Bromochloromethane	7.36	49	72153	50.385	ug/l	98
29) Tetrahydrofuran	7.37	42	114729	252.841	ug/l	98
30) Chloroform	7.53	83	152771	51.383	ug/l	98
31) Cyclohexane	7.81	56	153966	46.065	ug/l	96
32) 1,1,1-Trichloroethane	7.73	97	124670	50.222	ug/l	99
36) 1,1-Dichloropropene	7.94	75	124010	48.798	ug/l	100
37) Ethyl Acetate	7.10	43	76140	49.579	ug/l	98
38) Carbon Tetrachloride	7.92	117	105494	48.928	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	166317	49.893	ug/l	97
40) Benzene	8.18	78	379684	50.438	ug/l	100
41) Methacrylonitrile	7.35	41	38707m	49.828	ug/l	
42) 1,2-Dichloroethane	8.26	62	98363	49.218	ug/l	99
43) Isopropyl Acetate	8.29	43	142960	50.155	ug/l	99
44) Trichloroethene	8.96	130	91064	50.185	ug/l	95
45) 1,2-Dichloropropane	9.24	63	98839	51.567	ug/l	99
46) Dibromomethane	9.32	93	51217	52.031	ug/l	99
47) Bromodichloromethane	9.51	83	118740	51.817	ug/l	97
48) Methyl methacrylate	9.31	41	63332	49.581	ug/l	97
49) 1,4-Dioxane	9.31	88	13945	1032.378	ug/l	98
51) 4-Methyl-2-Pentanone	10.08	43	380983	259.576	ug/l	97
52) Toluene	10.25	92	232872	51.147	ug/l	98
53) t-1,3-Dichloropropene	10.48	75	129865	51.060	ug/l	100
54) cis-1,3-Dichloropropene	9.94	75	155237	51.840	ug/l	95
55) 1,1,2-Trichloroethane	10.66	97	75124	51.565	ug/l	96
56) Ethyl methacrylate	10.52	69	111109	52.216	ug/l	96
57) 1,3-Dichloropropane	10.80	76	132907	51.634	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.80	63	280740	256.761	ug/l	99
59) 2-Hexanone	10.85	43	254700	246.353	ug/l	97
60) Dibromochloromethane	11.00	129	81683	53.580	ug/l	100
61) 1,2-Dibromoethane	11.10	107	71076	52.123	ug/l	98
64) Tetrachloroethene	10.73	164	77497	51.063	ug/l	98
65) Chlorobenzene	11.53	112	241235	50.380	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.60	131	81769	51.044	ug/l	100
67) Ethyl Benzene	11.60	91	448178	50.396	ug/l	99
68) m/p-Xylenes	11.71	106	332052	100.985	ug/l	98
69) o-Xylene	12.04	106	158611	50.851	ug/l	98
70) Styrene	12.05	104	277009	51.251	ug/l	99
71) Bromoform	12.22	173	46937	53.496	ug/l #	99
73) Isopropylbenzene	12.34	105	419356	50.601	ug/l	100
74) N-amyl acetate	12.15	43	129512	49.549	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.59	83	93707	52.545	ug/l	98
76) 1,2,3-Trichloropropane	12.64	75	59382m	47.517	ug/l	
77) Bromobenzene	12.62	156	90701	51.268	ug/l	97
78) n-propylbenzene	12.68	91	518231	50.389	ug/l	100
79) 2-Chlorotoluene	12.77	91	284512	50.384	ug/l	98
80) 1,3,5-Trimethylbenzene	12.82	105	348318	50.942	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	32088	49.744	ug/l	97
82) 4-Chlorotoluene	12.86	91	296034	49.750	ug/l	98
83) tert-Butylbenzene	13.08	119	290322	50.868	ug/l	98
84) 1,2,4-Trimethylbenzene	13.13	105	347472	50.934	ug/l	100
85) sec-Butylbenzene	13.27	105	427609	50.584	ug/l	100
86) p-Isopropyltoluene	13.38	119	373043	51.387	ug/l	100
87) 1,3-Dichlorobenzene	13.38	146	175054	50.580	ug/l	98
88) 1,4-Dichlorobenzene	13.45	146	178118	51.143	ug/l	100
89) n-Butylbenzene	13.70	91	377348	49.889	ug/l	99
90) Hexachloroethane	13.97	117	70807	51.763	ug/l	99
91) 1,2-Dichlorobenzene	13.75	146	162310	50.783	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.37	75	14598	51.102	ug/l	98

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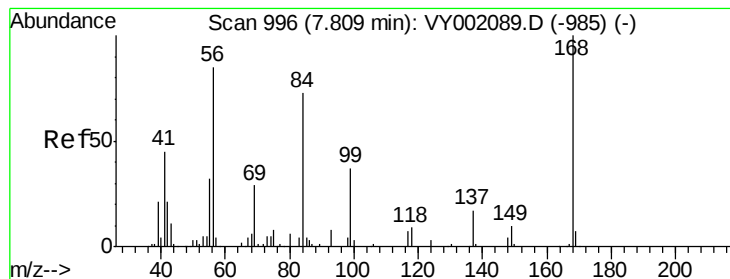
Manual Integrations
APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	105588	51.254	ug/l	98
94) Hexachlorobutadiene	15.12	225	50524	49.685	ug/l	99
95) Naphthalene	15.25	128	255800	52.279	ug/l	99
96) 1,2,3-Trichlorobenzene	15.44	180	93086	49.829	ug/l	98

(#) = 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. 0.01 min

Lab File: VY002224.D

Acq: 03 Apr 2020 17:24

Tot Ion: 168 Resp: 145123

Ion Ratio Lower Upper

168 100

99 57.0 47.6 71.4

Instrument :

MSVOA_Y

ClientSampleId :

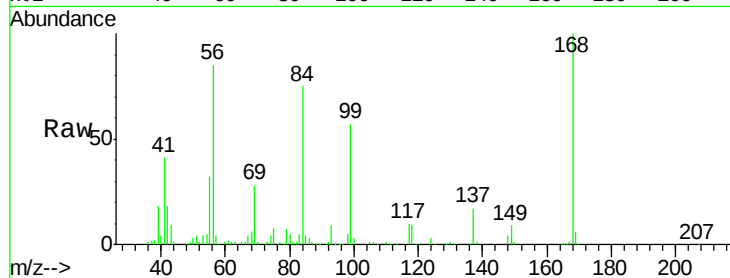
VSTDCCC050EC

Manual Integrations

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4/6/2020 11:30:16 AM



Abundance Ion 167.90 (167.60 to 168.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

7.82

60000

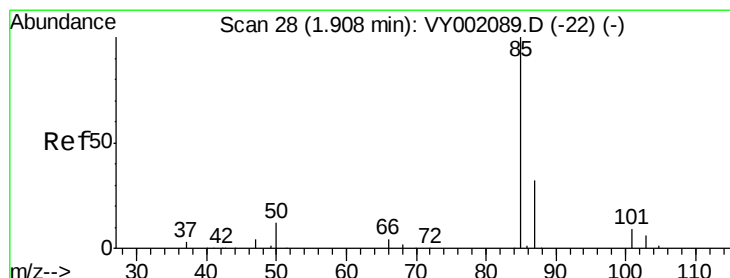
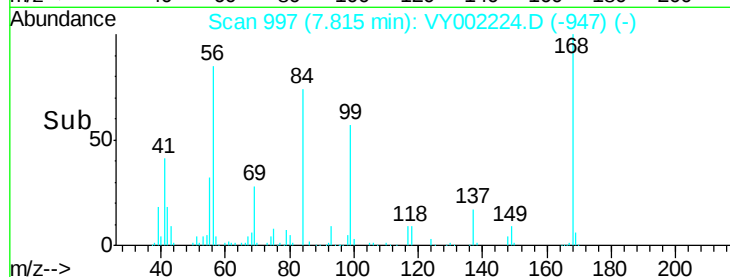
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 46.095 ug/l

RT: 1.91 min Scan# 29

Delta R.T. 0.01 min

Lab File: VY002224.D

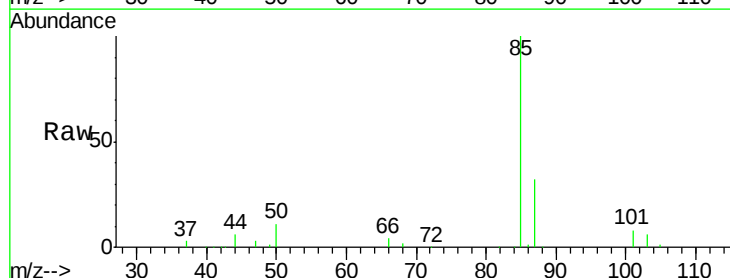
Acq: 03 Apr 2020 17:24

Tgt Ion: 85 Resp: 43532

Ion Ratio Lower Upper

85 100

87 31.7 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VY0

Ion 86.90 (86.60 to 87.60): VY0

1.91

30000

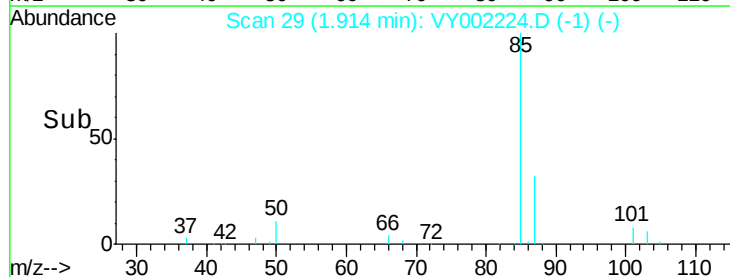
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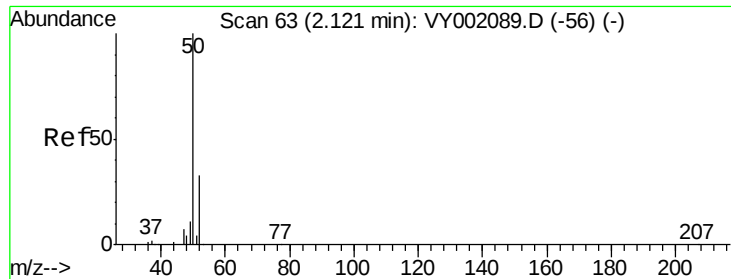
10000

0

1.90 2.00

Time-->





#3

Chloromethane

Concen: 43.249 ug/l

RT: 2.12 min Scan# 63

Delta R.T. 0.00 min

Lab File: VY002224.D

Acq: 03 Apr 2020 17:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 73348

Ion Ratio Lower Upper

50 100

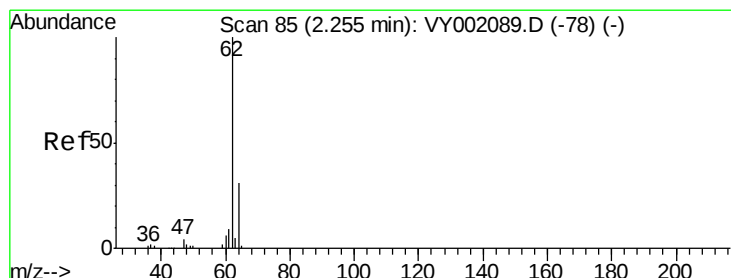
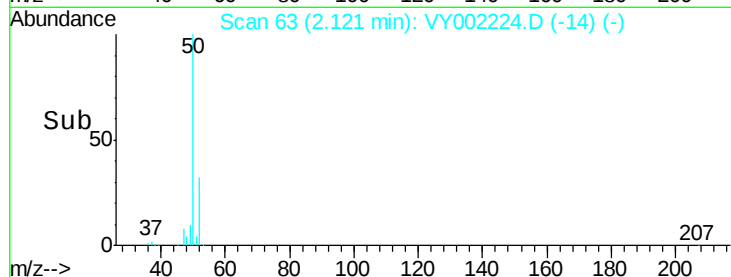
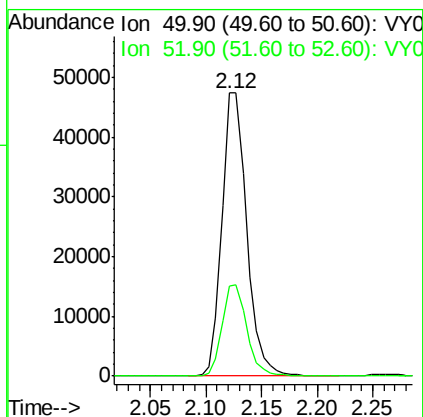
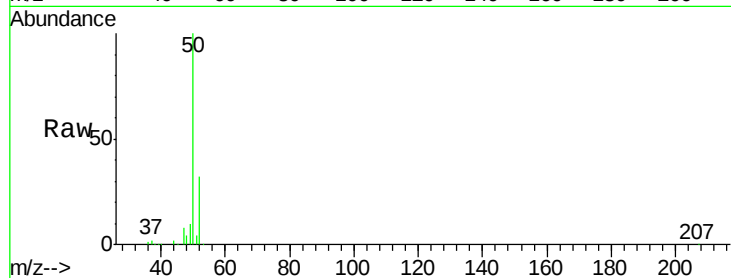
52 31.6 26.1 39.1

Manual Integrations

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4/6/2020 11:30:16 AM



#4

Vinyl Chloride

Concen: 45.148 ug/l

RT: 2.26 min Scan# 86

Delta R.T. 0.01 min

Lab File: VY002224.D

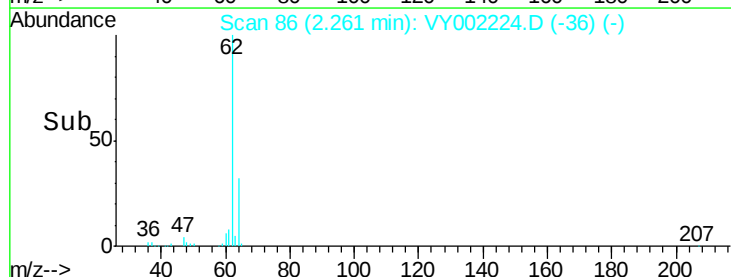
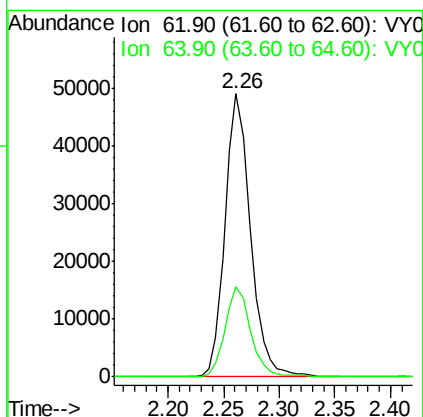
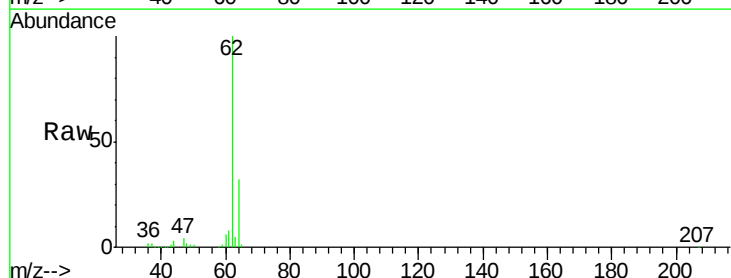
Acq: 03 Apr 2020 17:24

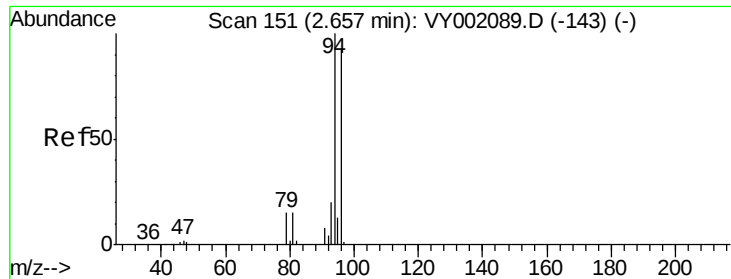
Tgt Ion: 62 Resp: 77873

Ion Ratio Lower Upper

62 100

64 31.9 25.2 37.8





#5

Bromomethane

Concen: 49.851 ug/l

RT: 2.66 min Scan# 152

Delta R.T. 0.01 min

Lab File: VY002224.D

Acq: 03 Apr 2020 17:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 56115

Ion Ratio Lower Upper

94 100

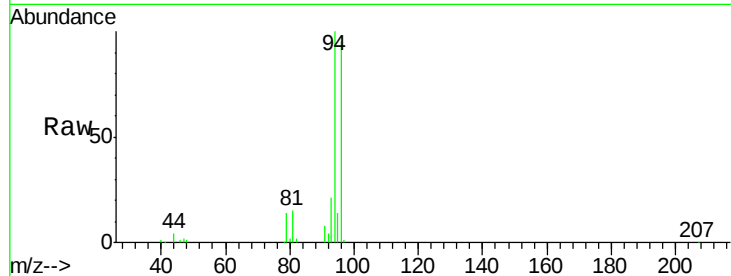
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Manual Integrations

APPROVED

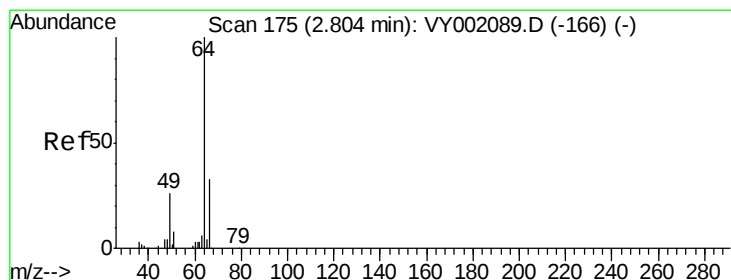
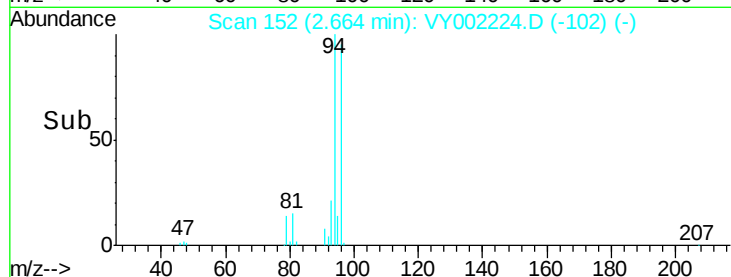
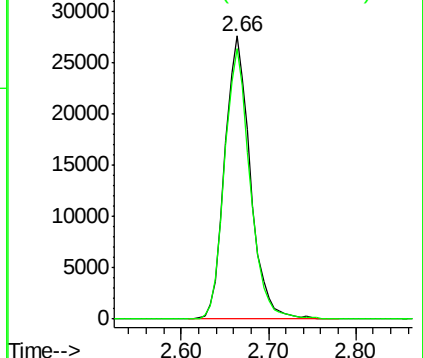
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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 48.039 ug/l

RT: 2.81 min Scan# 176

Delta R.T. 0.01 min

Lab File: VY002224.D

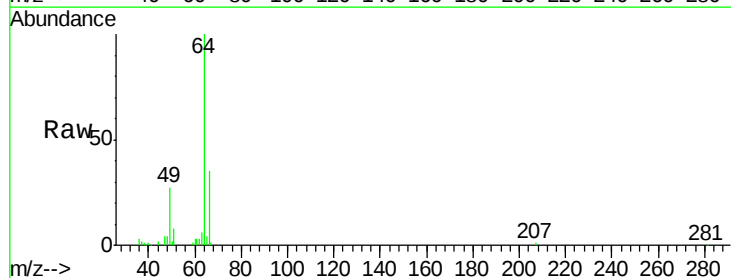
Acq: 03 Apr 2020 17:24

Tgt Ion: 64 Resp: 53205

Ion Ratio Lower Upper

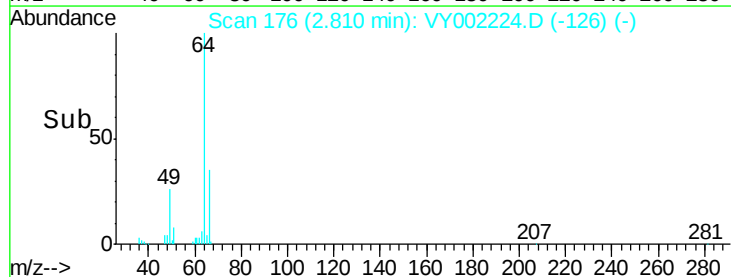
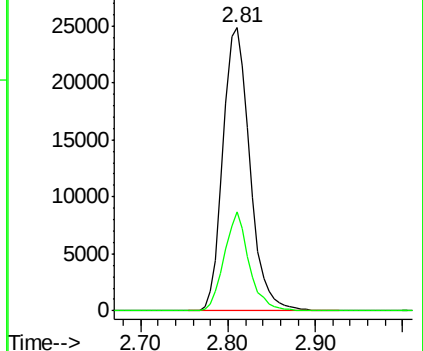
64 100

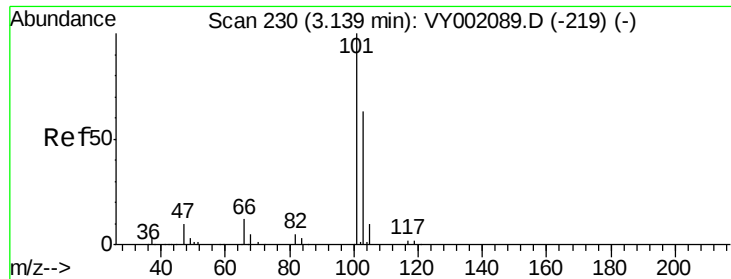
66 35.1 26.6 39.8



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

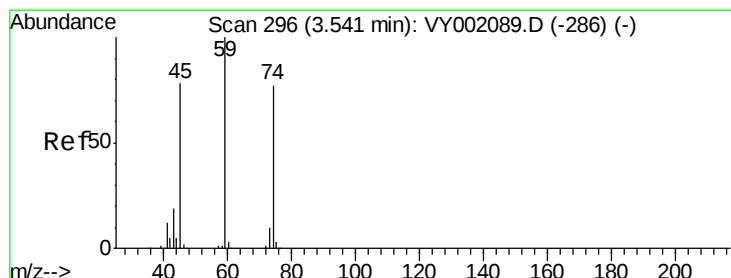
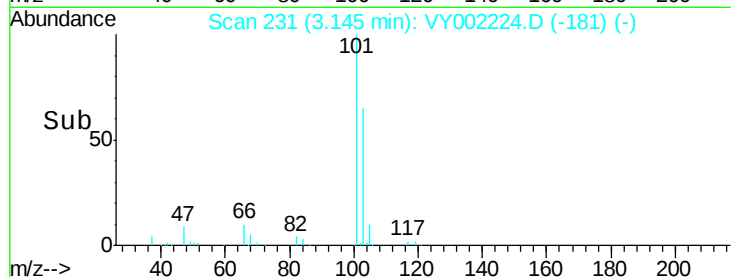
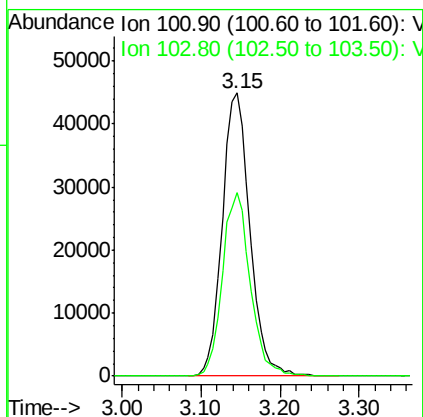
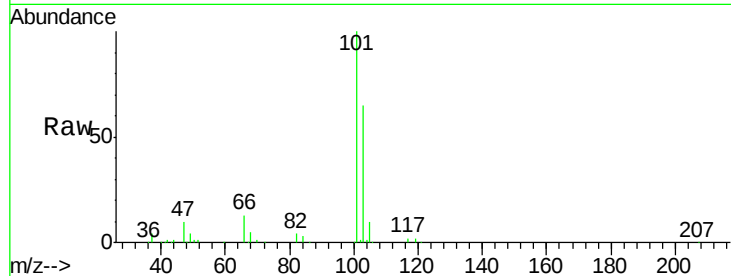
Trichlorofluoromethane
Concen: 46.489 ug/l
RT: 3.15 min Scan# 231
Delta R.T. 0.01 min
Lab File: VY002224.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.7	50.6	76.0

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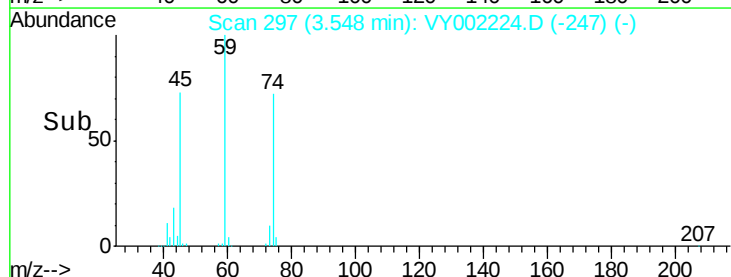
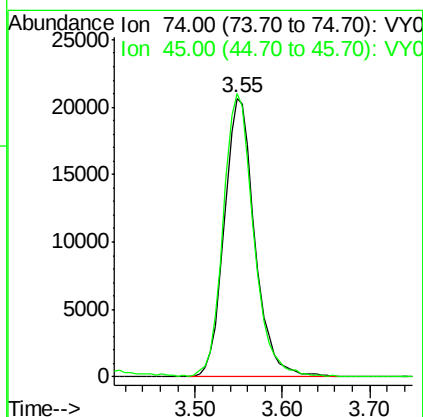
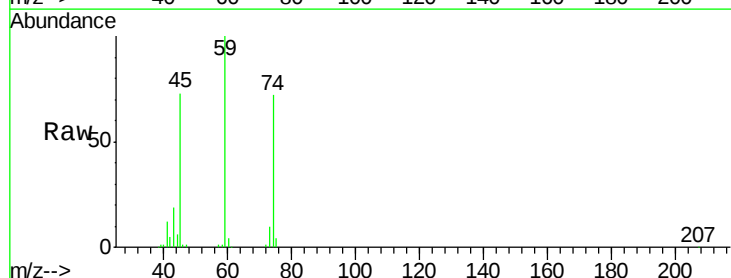
MMDadoda
4/6/2020 11:30:16 AM

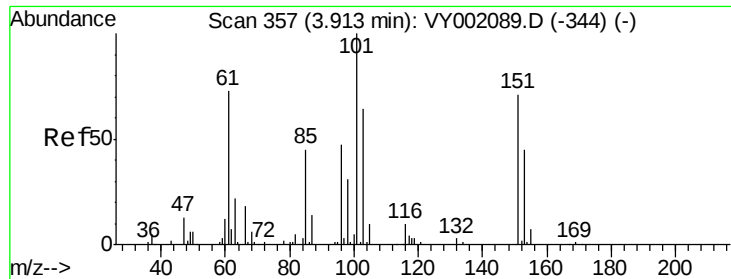


#8

Diethyl Ether
Concen: 49.936 ug/l
RT: 3.55 min Scan# 297
Delta R.T. 0.01 min
Lab File: VY002224.D
Acq: 03 Apr 2020 17:24

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.7	51.0	153.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.014 ug/l

RT: 3.92 min Scan# 358

Delta R.T. 0.01 min

Lab File: VY002224.D

Acq: 03 Apr 2020 17:24

Instrument :

MSVOA_Y

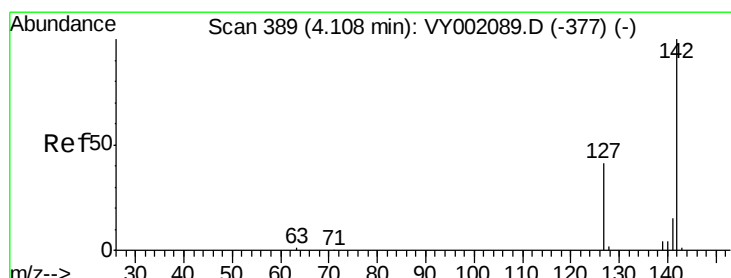
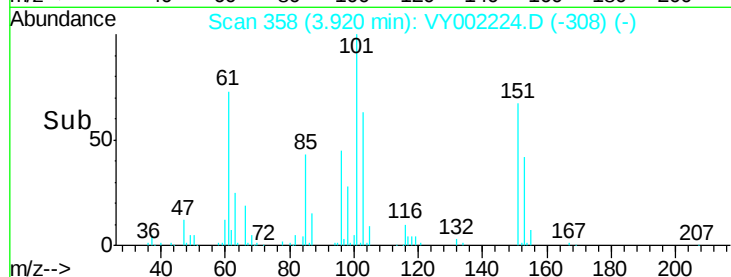
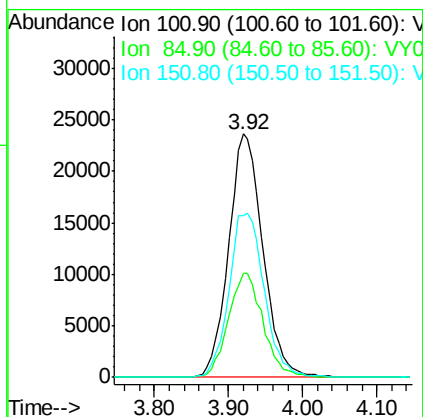
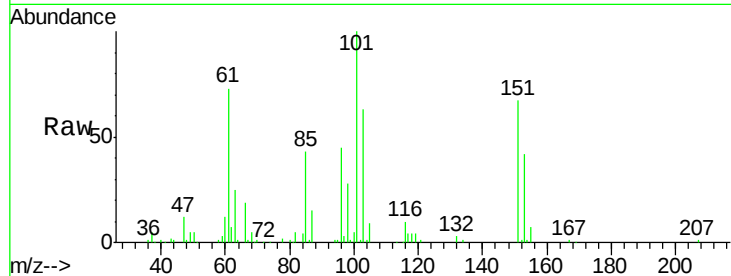
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	76010
Ion Ratio	Lower	Upper	
101	100		
85	43.4	35.9	53.9
151	69.7	57.5	86.3

Manual Integrations
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#10

Methyl Iodide

Concen: 45.537 ug/l

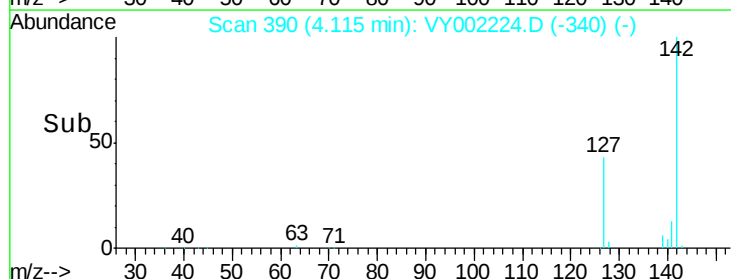
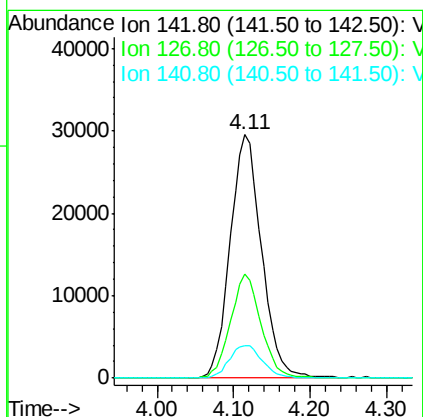
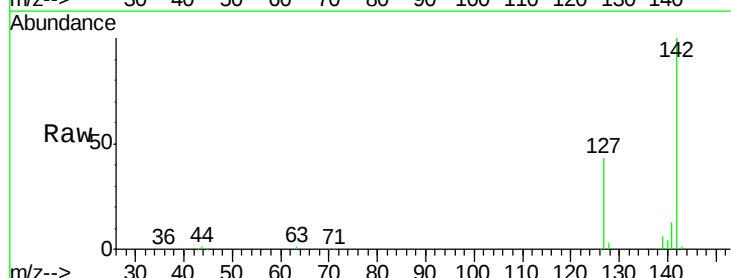
RT: 4.11 min Scan# 390

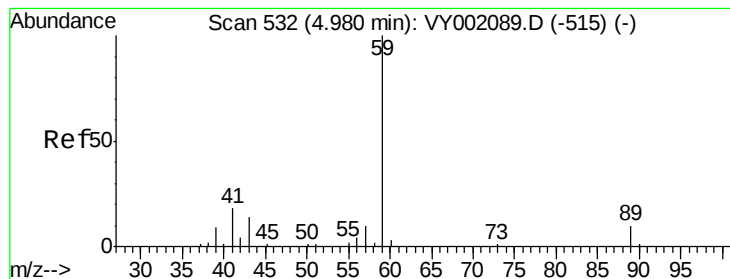
Delta R.T. 0.01 min

Lab File: VY002224.D

Acq: 03 Apr 2020 17:24

Tgt Ion:	142	Resp:	83970
Ion Ratio	Lower	Upper	
142	100		
127	41.4	32.6	49.0
141	14.1	11.4	17.0





#11

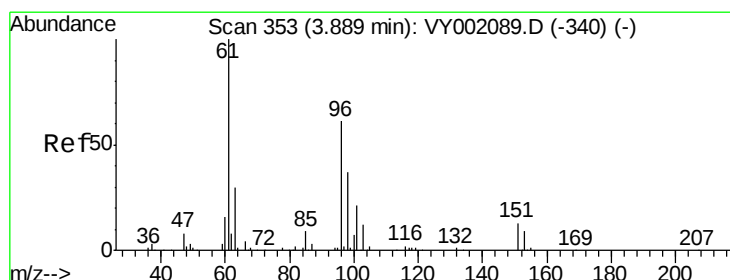
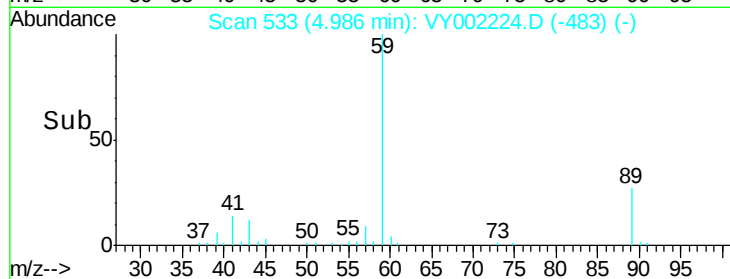
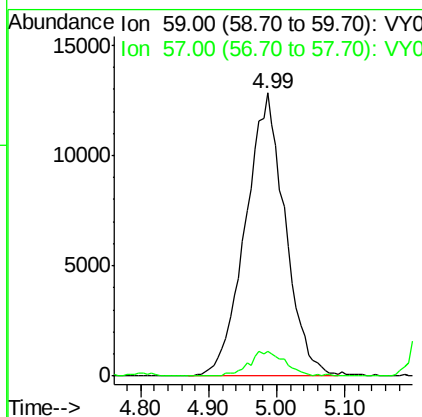
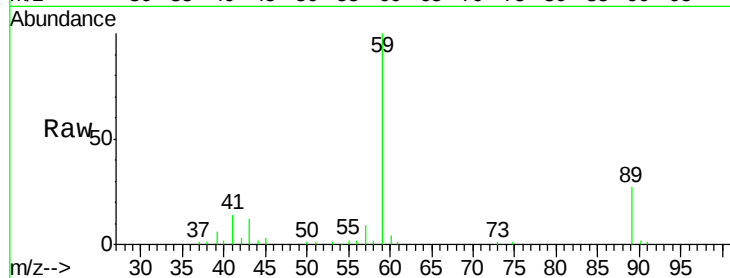
Tert butyl alcohol
 Concen: 276.224 ug/l
 RT: 4.99 min Scan# 533
 Delta R.T. 0.01 min
 Lab File: VY002224.D
 Acq: 03 Apr 2020 17:24

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.0	7.7	11.5

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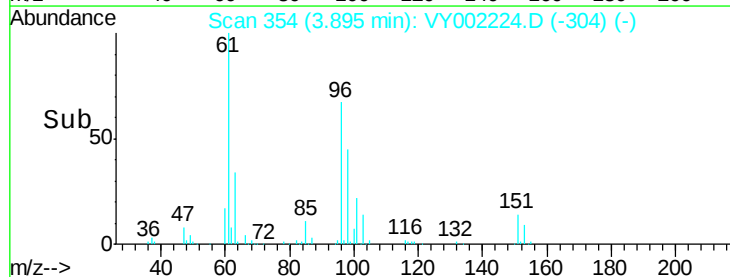
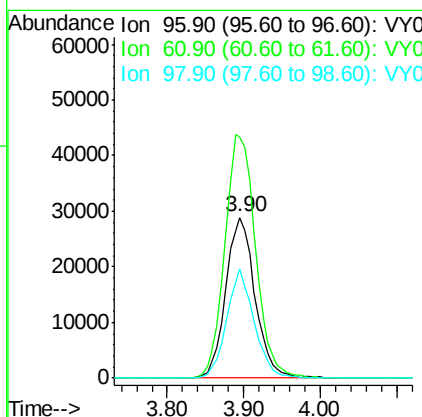
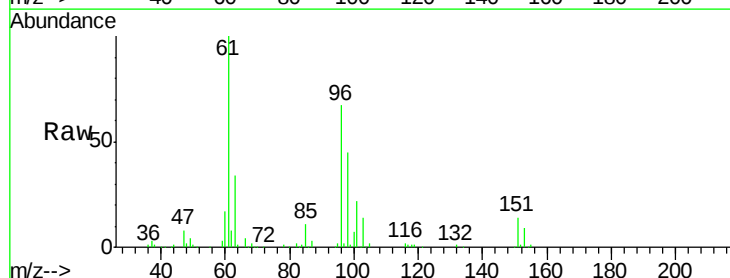
MMDadoda
 4/6/2020 11:30:16 AM

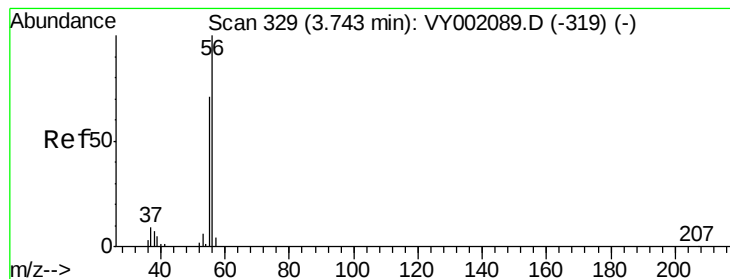


#12

1,1-Dichloroethene
 Concen: 48.427 ug/l
 RT: 3.90 min Scan# 354
 Delta R.T. 0.01 min
 Lab File: VY002224.D
 Acq: 03 Apr 2020 17:24

Tgt Ion	Ratio	Lower	Upper
96	100		
61	150.0	132.0	198.0
98	67.7	49.4	74.0





#13

Acrolein

Concen: 203.202 ug/l

RT: 3.75 min Scan# 331

Delta R.T. 0.01 min

Lab File: VY002224.D

Acq: 03 Apr 2020 17:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 48015

Ion Ratio Lower Upper

56 100

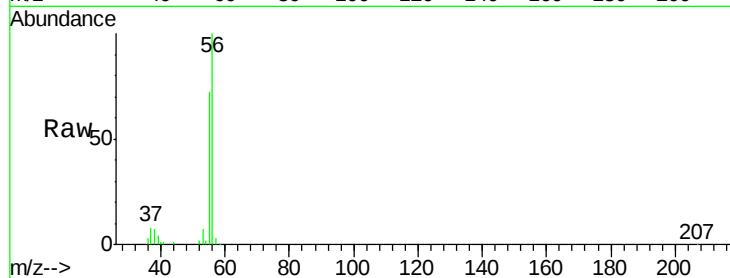
55 69.0 56.5 84.7

Manual Integrations

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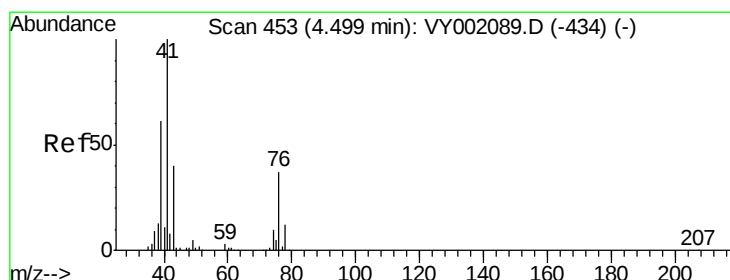
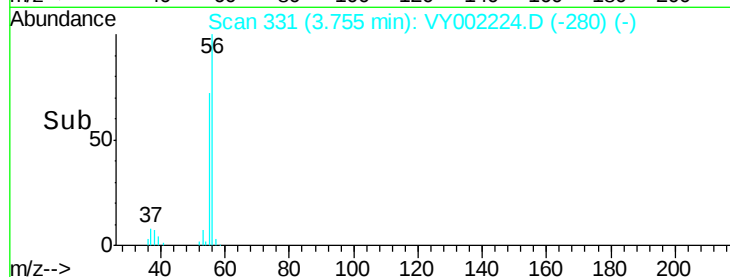
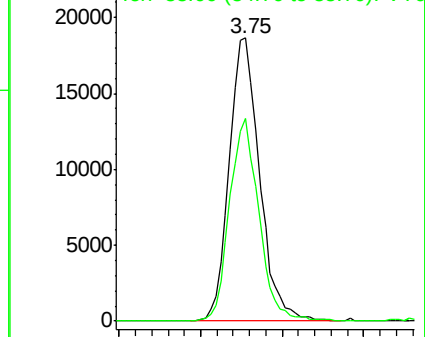
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0



#14

Allyl chloride

Concen: 48.247 ug/l

RT: 4.50 min Scan# 454

Delta R.T. 0.01 min

Lab File: VY002224.D

Acq: 03 Apr 2020 17:24

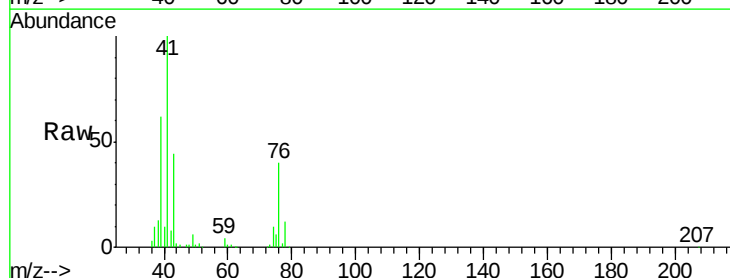
Tgt Ion: 41 Resp: 139084

Ion Ratio Lower Upper

41 100

39 61.2 49.0 73.4

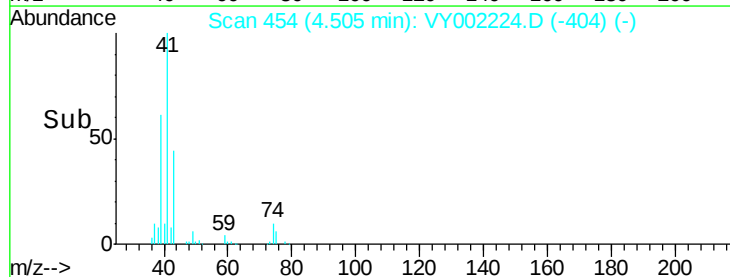
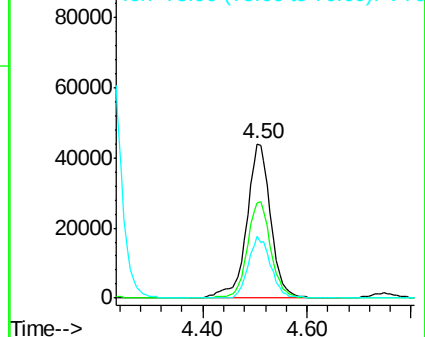
76 37.1 27.8 41.8

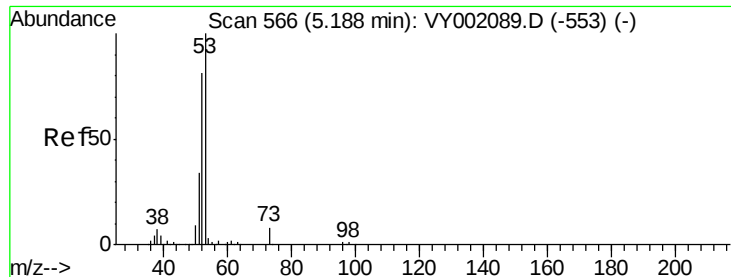


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 75.90 (75.60 to 76.60): VY0





#15

Acrylonitrile

Concen: 262.042 ug/l

RT: 5.19 min Scan# 567

Delta R.T. 0.01 min

Lab File: VY002224.D

Acq: 03 Apr 2020 17:24

Instrument :

MSVOA_Y

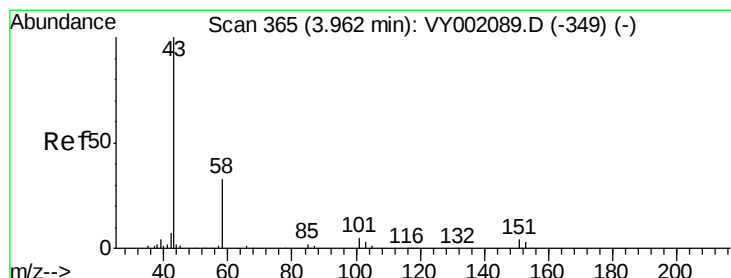
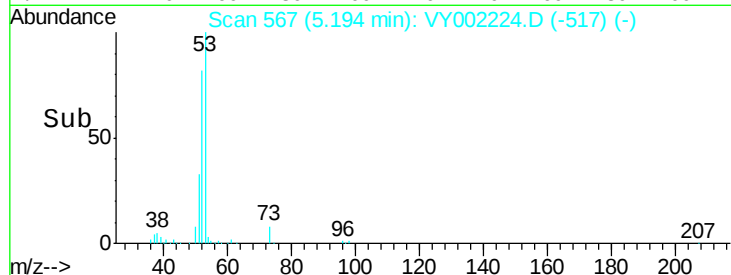
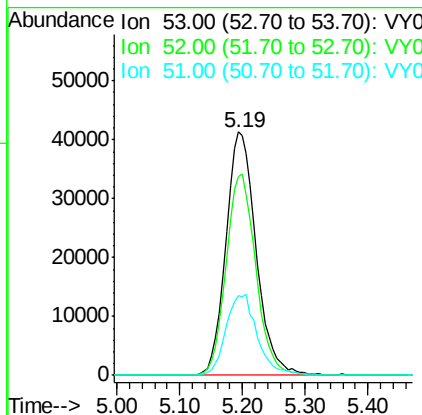
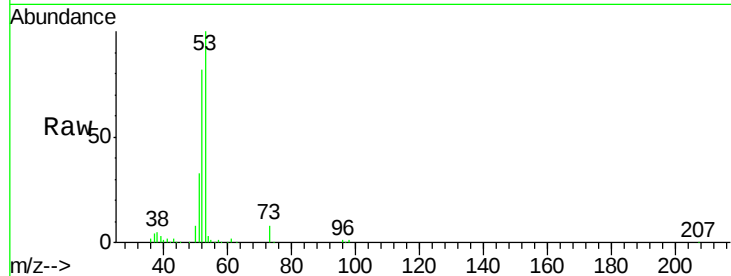
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	137502
Ion	Ratio	Lower	Upper
53	100		
52	81.4	64.6	97.0
51	34.4	27.9	41.9

Manual Integrations
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#16

Acetone

Concen: 209.210 ug/l

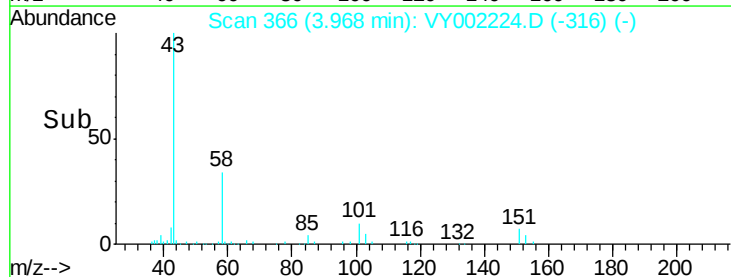
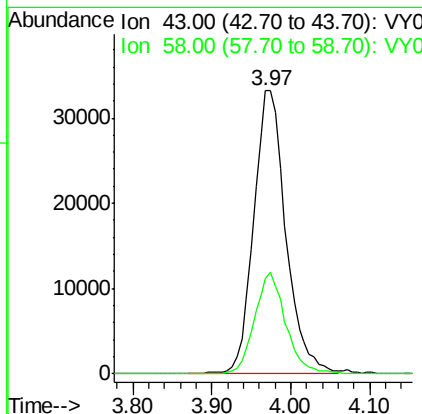
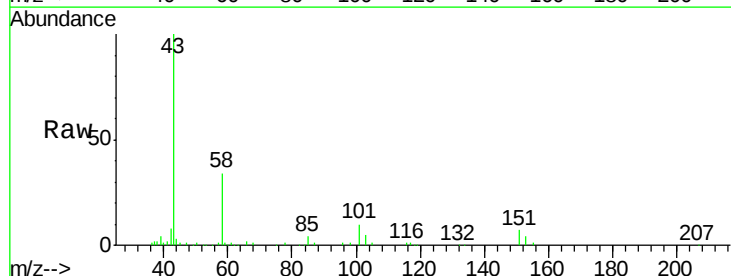
RT: 3.97 min Scan# 366

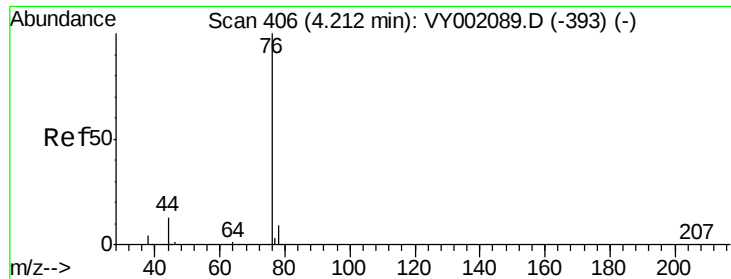
Delta R.T. 0.01 min

Lab File: VY002224.D

Acq: 03 Apr 2020 17:24

Tgt Ion:	43	Resp:	94296
Ion	Ratio	Lower	Upper
43	100		
58	33.6	26.3	39.5





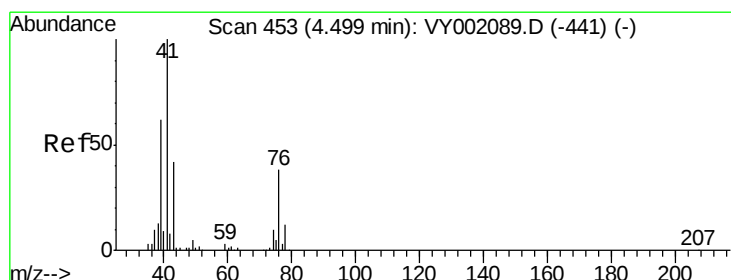
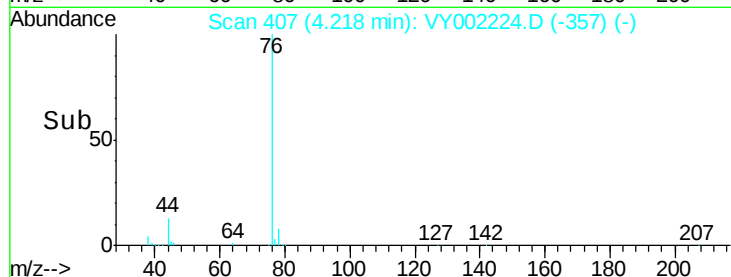
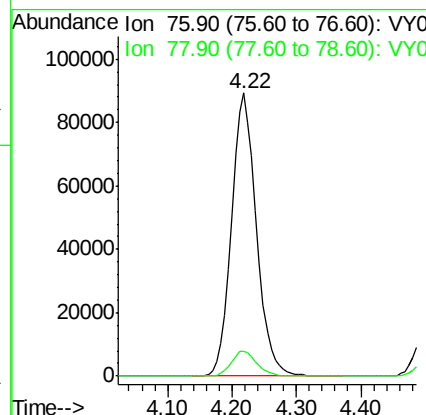
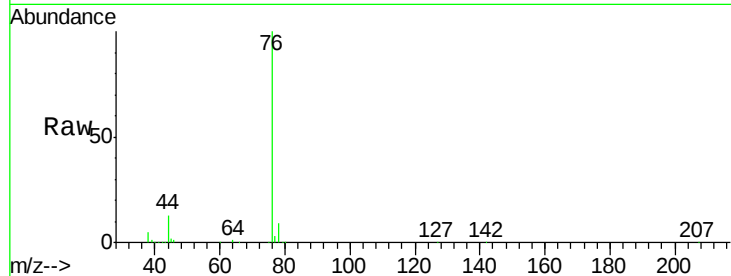
#17
Carbon Disulfide
Concen: 46.324 ug/l
RT: 4.22 min Scan# 407
Delta R.T. 0.01 min
Lab File: VY002224.D
Acq: 03 Apr 2020 17:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.3	10.9

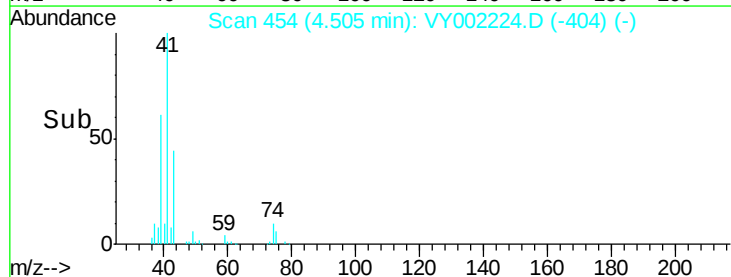
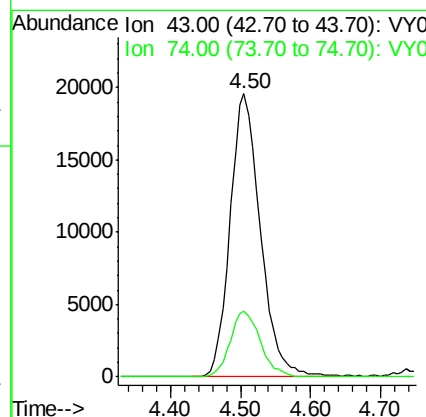
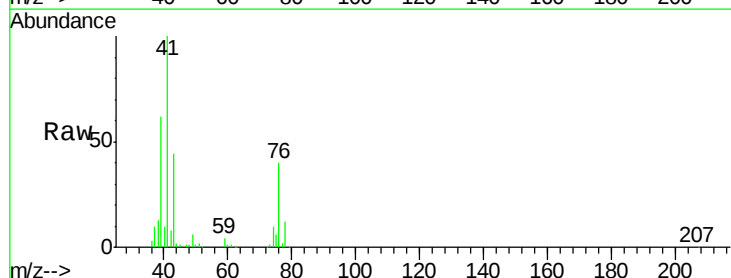
Manual Integrations
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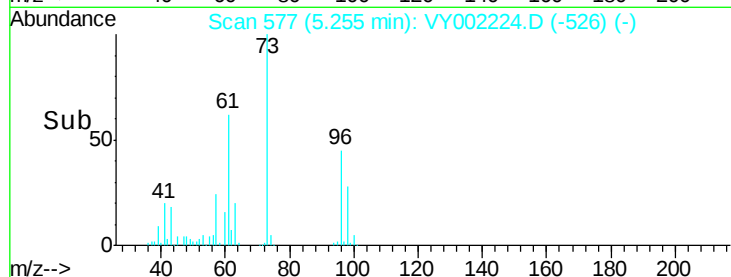
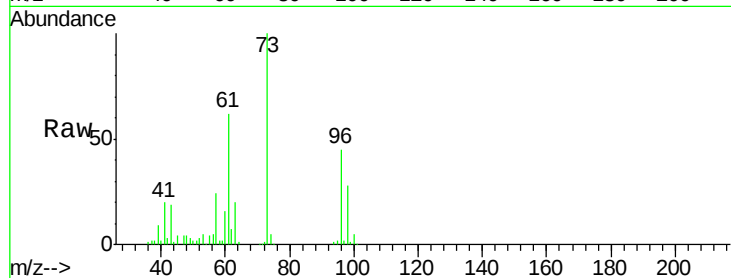
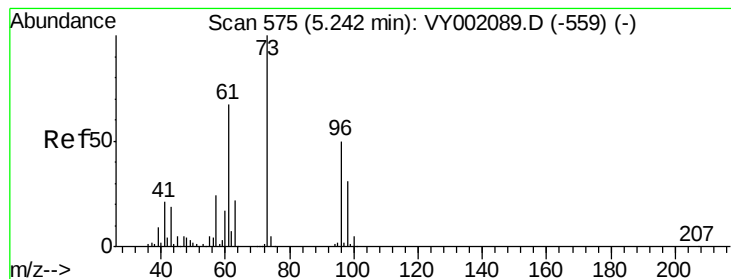
MMDadoda
4/6/2020 11:30:16 AM



#18
Methyl Acetate
Concen: 50.342 ug/l
RT: 4.50 min Scan# 454
Delta R.T. 0.01 min
Lab File: VY002224.D
Acq: 03 Apr 2020 17:24

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.1	18.3	27.5





#19

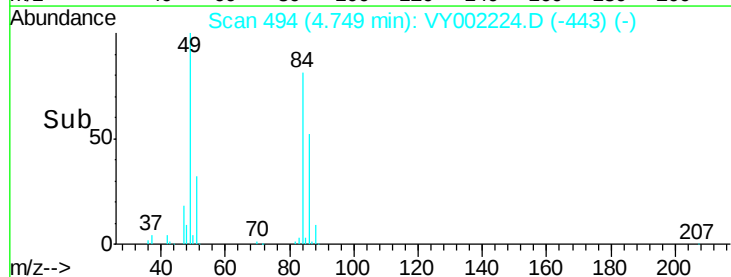
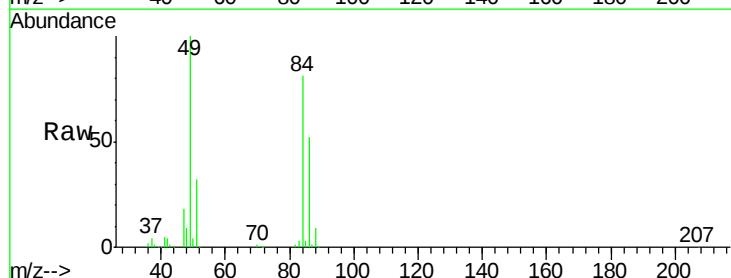
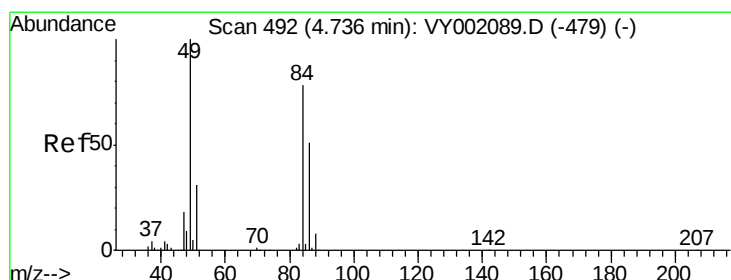
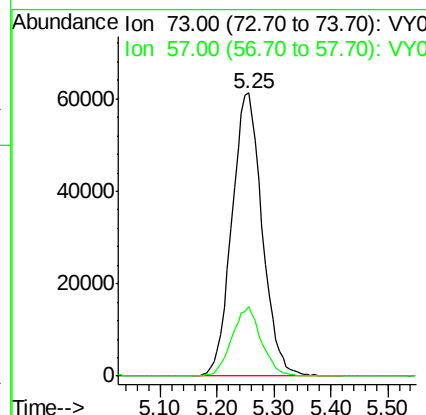
Methyl tert-butyl Ether
 Concen: 51.752 ug/l
 RT: 5.25 min Scan# 577
 Delta R.T. 0.01 min
 Lab File: VY002224.D
 Acq: 03 Apr 2020 17:24

Tot Ion	73	Resp	227341
Ion Ratio	100	Lower	Upper
57	24.4	19.0	28.6

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
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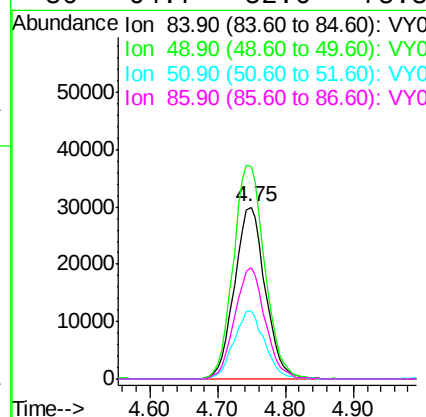
MMDadoda
 4/6/2020 11:30:16 AM

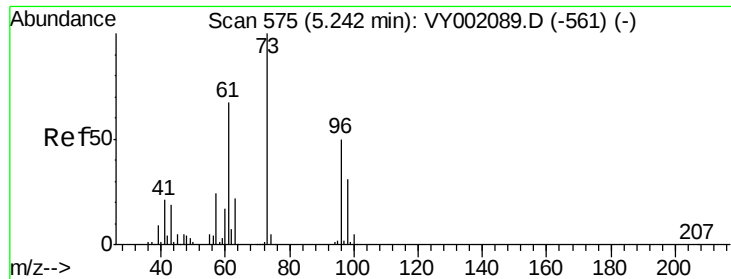


#20

Methylene Chloride
 Concen: 50.602 ug/l
 RT: 4.75 min Scan# 494
 Delta R.T. 0.01 min
 Lab File: VY002224.D
 Acq: 03 Apr 2020 17:24

Tgt Ion	84	Resp	94312
Ion Ratio	100	Lower	Upper
49	123.6	102.2	153.4
51	39.4	31.2	46.8
86	64.7	52.6	78.8





#21

trans-1,2-Dichloroethene

Concen: 50.188 ug/l

RT: 5.25 min Scan# 576

Delta R.T. 0.01 min

Lab File: VY002224.D

Acq: 03 Apr 2020 17:24

Instrument :

MSVOA_Y

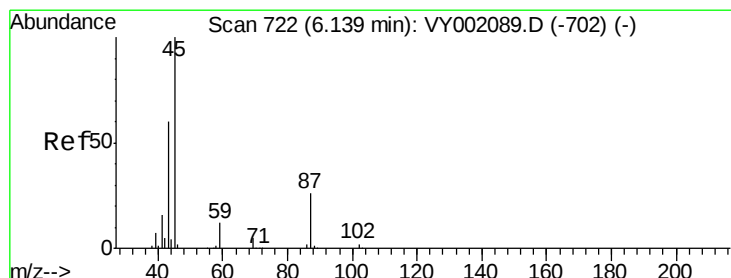
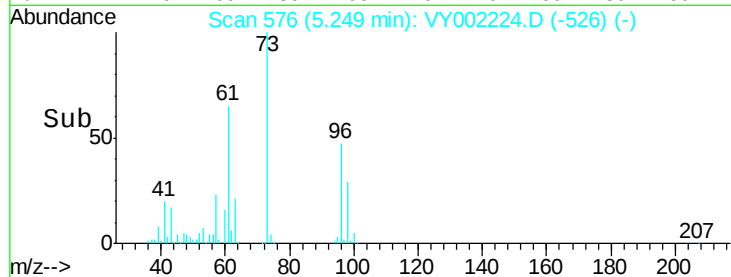
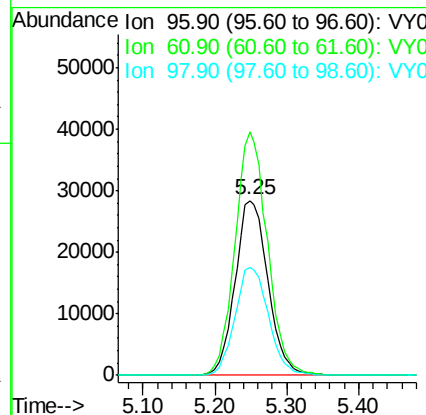
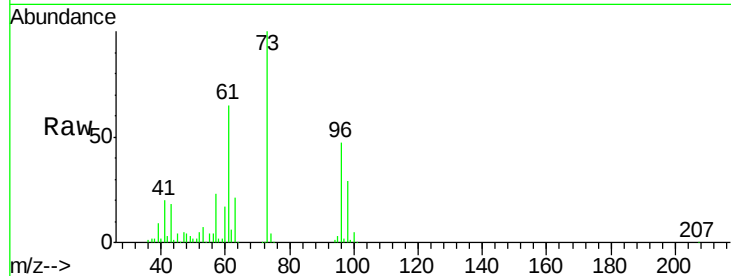
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	89985
Ion	Ratio	Lower	Upper
96	100		
61	139.1	107.7	161.5
98	61.7	50.5	75.7

Manual Integrations
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#22

Diisopropyl ether

Concen: 50.777 ug/l

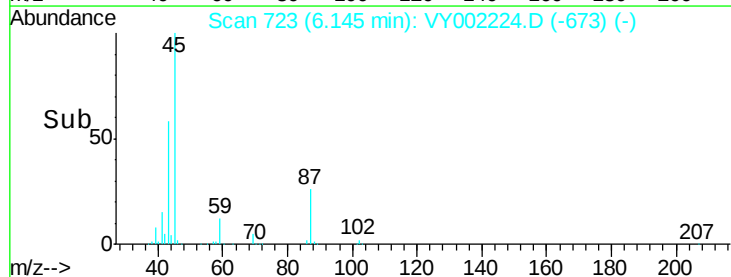
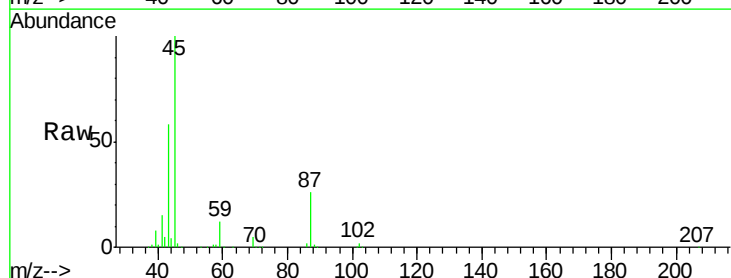
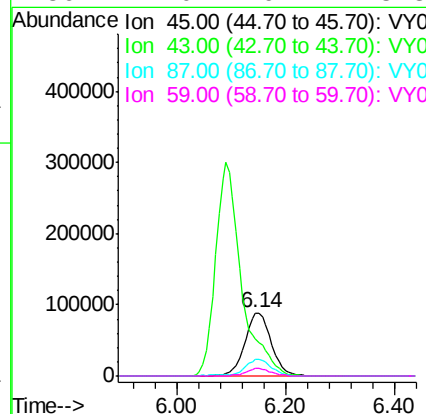
RT: 6.14 min Scan# 723

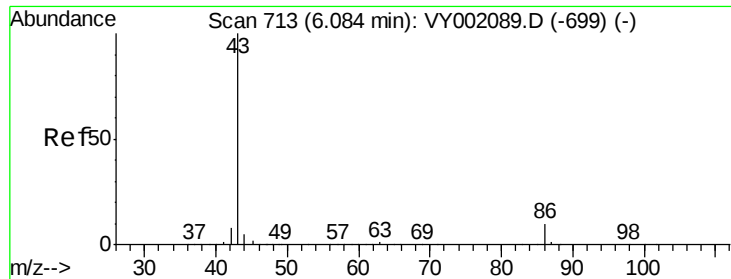
Delta R.T. 0.01 min

Lab File: VY002224.D

Acq: 03 Apr 2020 17:24

Tgt Ion:	45	Resp:	299562
Ion	Ratio	Lower	Upper
45	100		
43	58.1	48.1	72.1
87	25.7	21.1	31.7
59	12.0	9.2	13.8





#23

Vinyl Acetate

Concen: 255.182 ug/l

RT: 6.09 min Scan# 714

Delta R.T. 0.01 min

Lab File: VY002224.D

Acq: 03 Apr 2020 17:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 987179

Ion Ratio Lower Upper

43 100

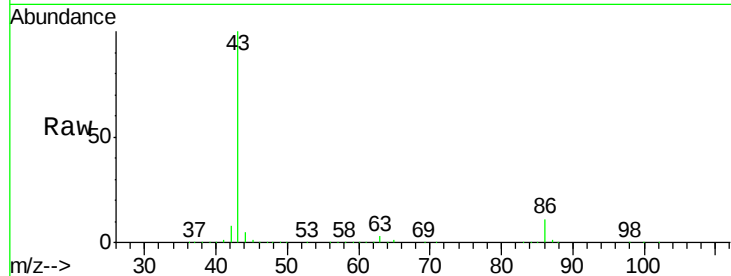
86 10.6 7.9 11.9

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

6.09

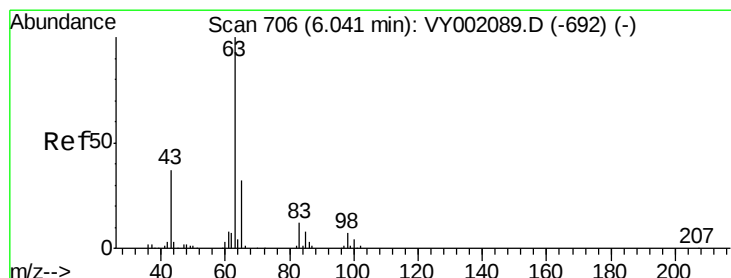
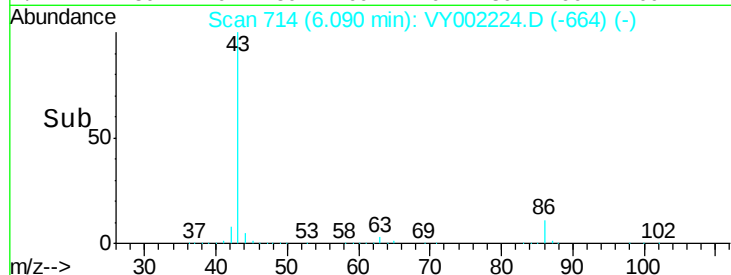
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 50.738 ug/l

RT: 6.05 min Scan# 707

Delta R.T. 0.01 min

Lab File: VY002224.D

Acq: 03 Apr 2020 17:24

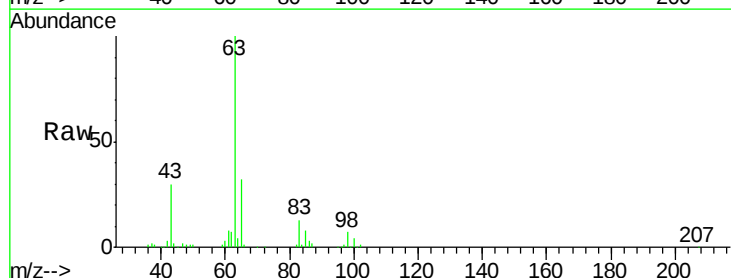
Tgt Ion: 63 Resp: 159150

Ion Ratio Lower Upper

63 100

98 6.8 3.3 9.9

100 4.3 1.8 5.5



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0

6.05

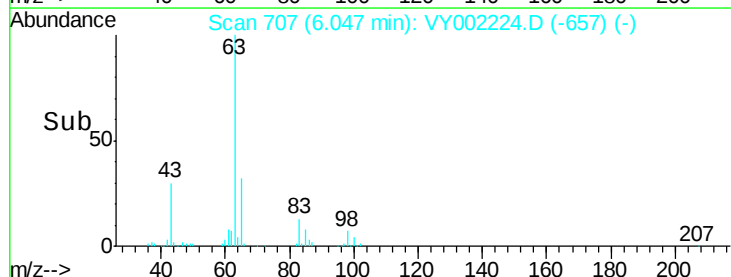
60000

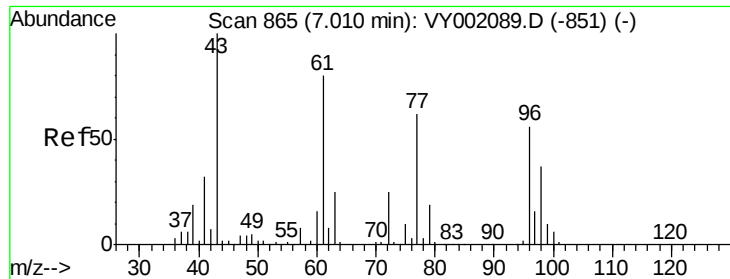
40000

20000

0

Time-->





#25

2-Butanone

Concen: 245.056 ug/l

RT: 7.01 min Scan# 865

Delta R.T. 0.00 min

Lab File: VY002224.D

Acq: 03 Apr 2020 17:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 169601

Ion Ratio Lower Upper

43 100

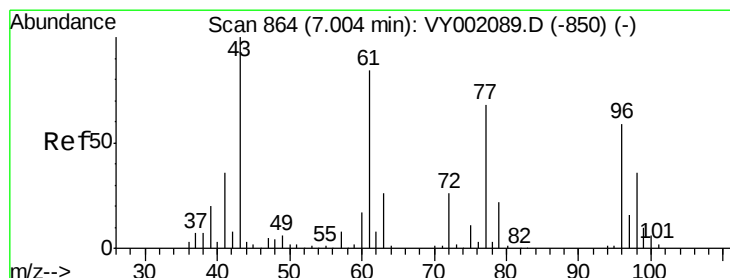
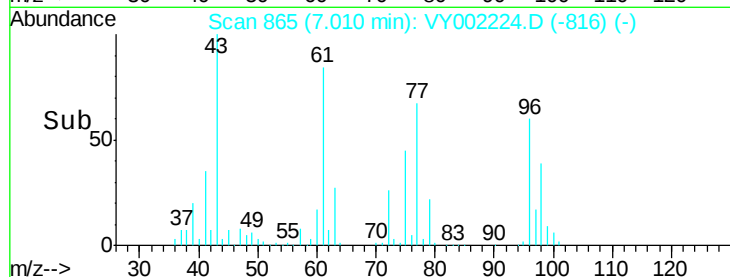
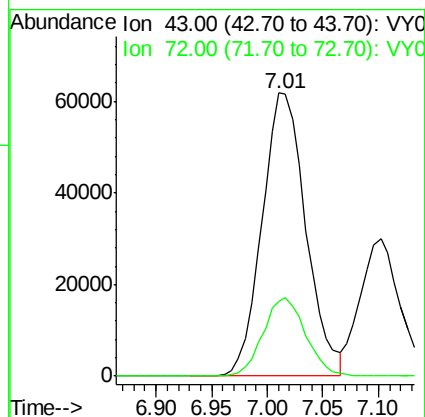
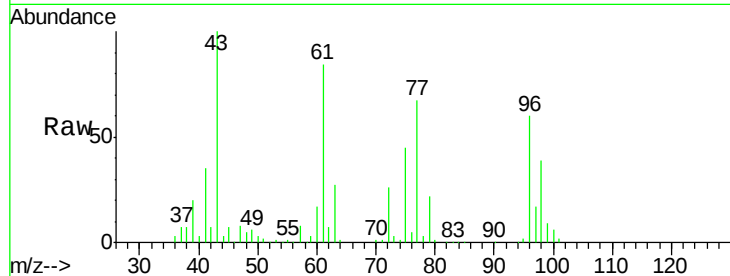
72 26.5 20.2 30.2

Manual Integrations

APPROVED

MMDadoda

4/6/2020 11:30:16 AM



#26

2,2-Dichloropropane

Concen: 47.744 ug/l

RT: 7.01 min Scan# 865

Delta R.T. 0.01 min

Lab File: VY002224.D

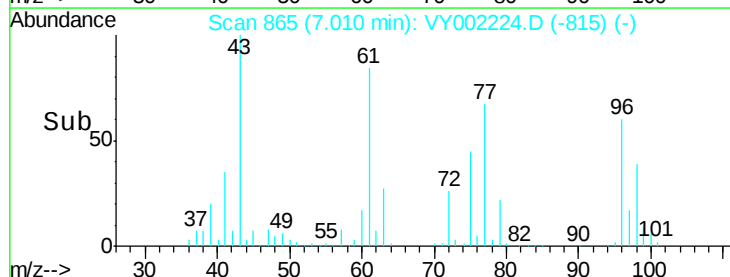
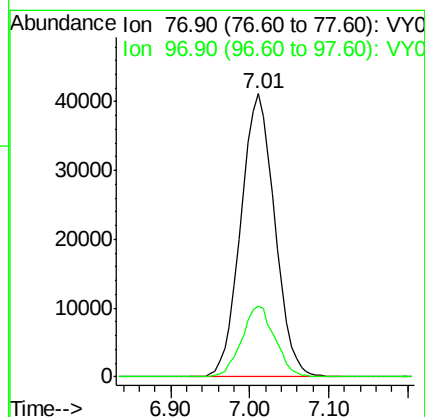
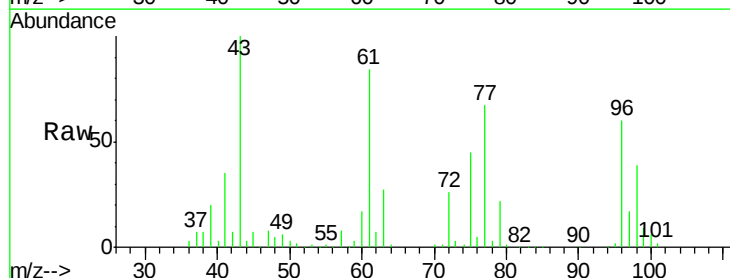
Acq: 03 Apr 2020 17:24

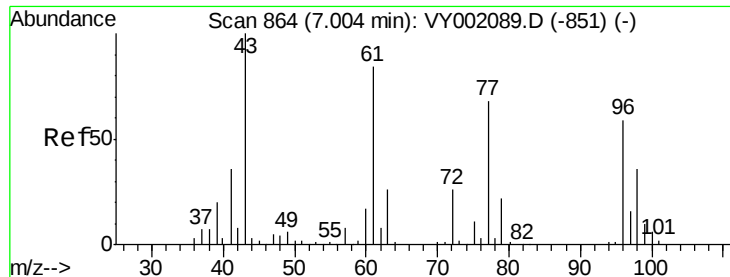
Tgt Ion: 77 Resp: 123341

Ion Ratio Lower Upper

77 100

97 24.4 11.7 35.1





#27

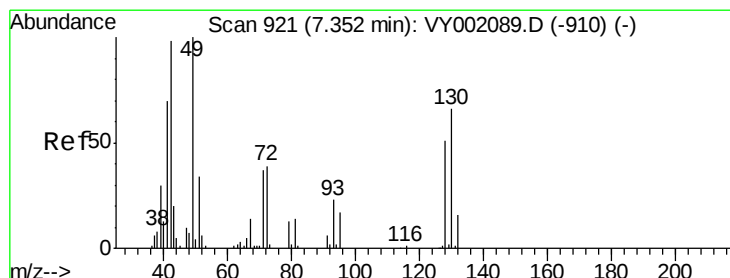
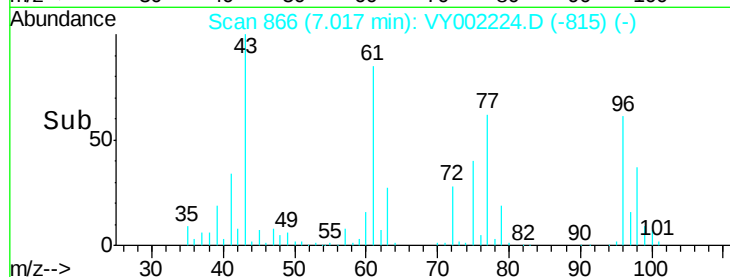
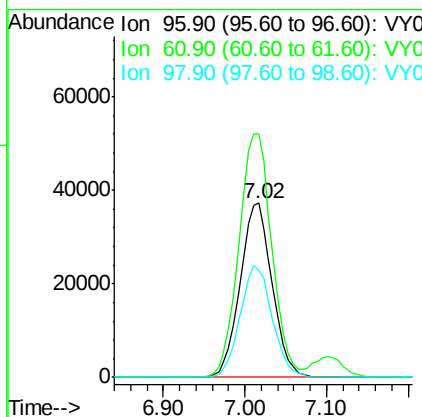
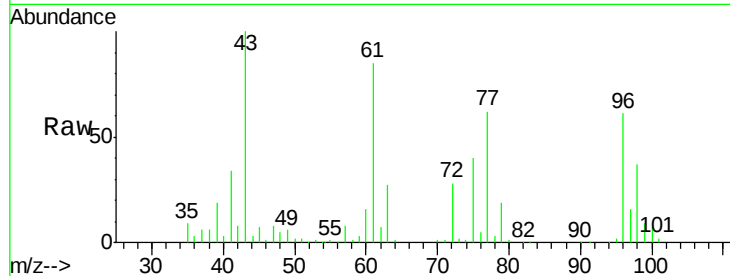
cis-1,2-Dichloroethene
Concen: 51.243 ug/l
RT: 7.02 min Scan# 866
Delta R.T. 0.01 min
Lab File: VY002224.D
Acq: 03 Apr 2020 17:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	144.4	0.0	290.6	
98	64.5	0.0	128.0	

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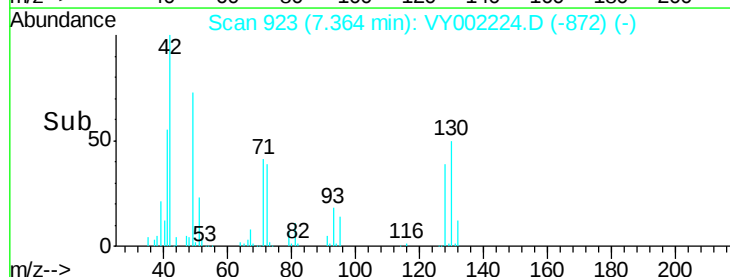
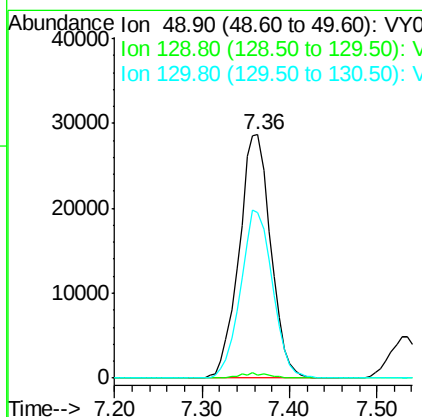
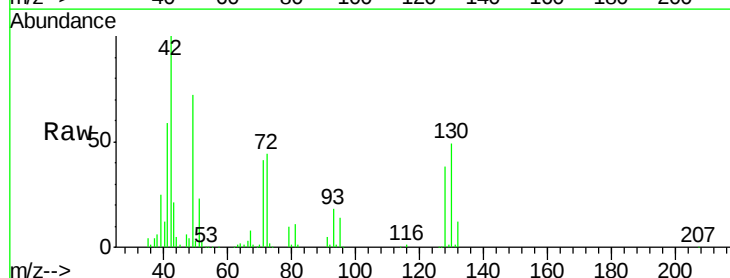
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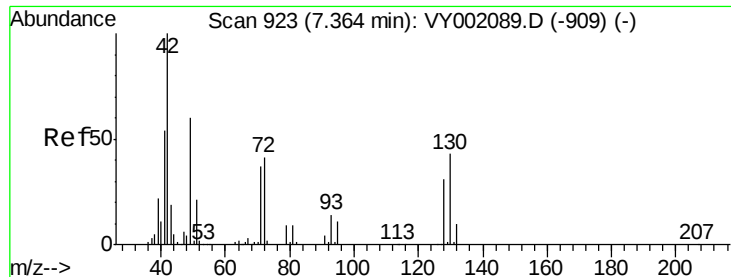


#28

Bromochloromethane
Concen: 50.385 ug/l
RT: 7.36 min Scan# 923
Delta R.T. 0.01 min
Lab File: VY002224.D
Acq: 03 Apr 2020 17:24

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.8	0.0	3.4	
130	69.4	54.1	81.1	





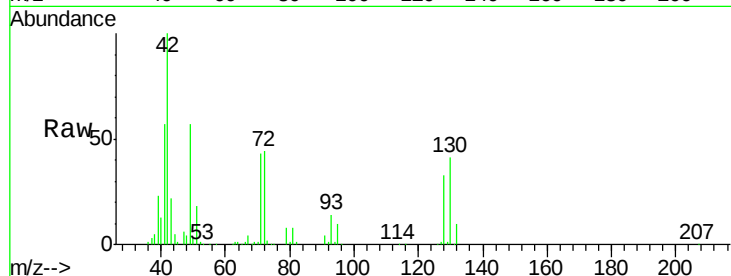
#29
Tetrahydrofuran
Concen: 252.841 ug/l
RT: 7.37 min Scan# 924
Delta R.T. 0.01 min
Lab File: VY002224.D
Acq: 03 Apr 2020 17:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

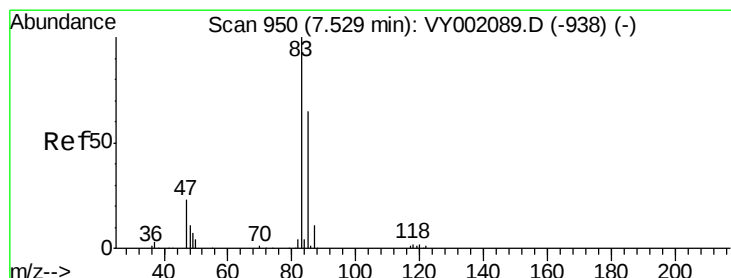
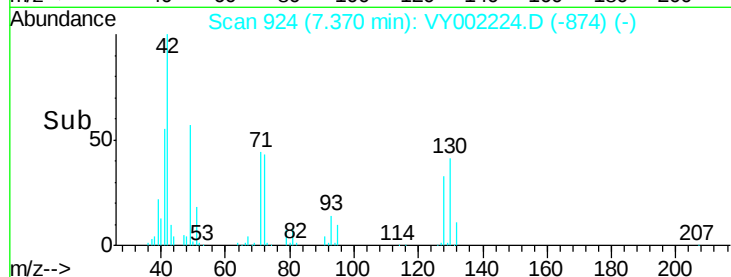
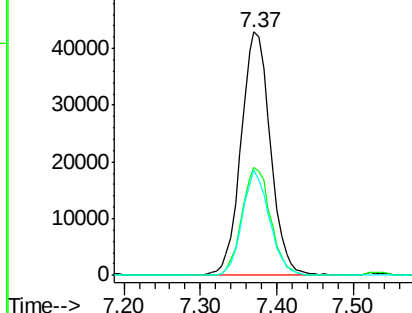
Tot Ion	Ratio	Lower	Upper
42	100		
72	43.2	33.0	49.4
71	39.8	31.2	46.8

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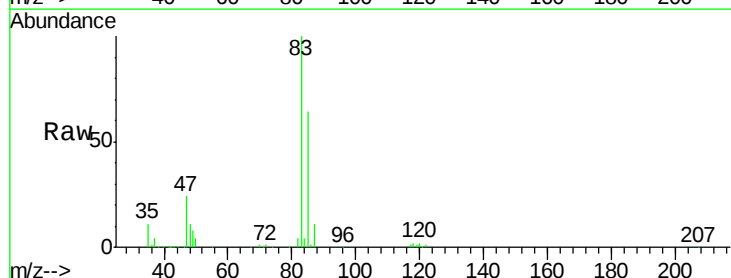


Abundance Ion 42.00 (41.70 to 42.70): VY0
Ion 72.00 (71.70 to 72.70): VY0
Ion 71.00 (70.70 to 71.70): VY0

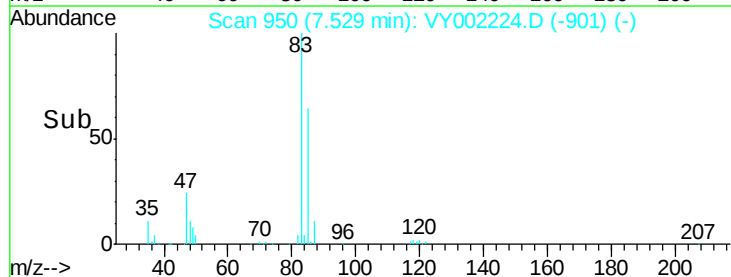
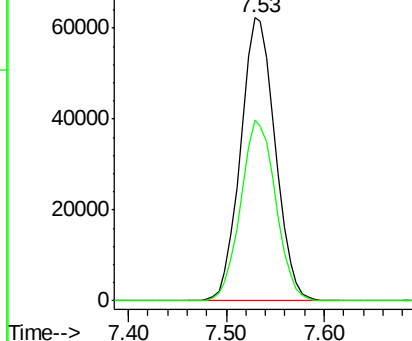


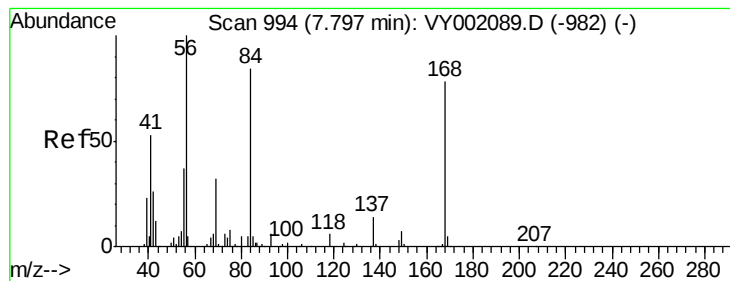
#30
Chloroform
Concen: 51.383 ug/l
RT: 7.53 min Scan# 950
Delta R.T. 0.00 min
Lab File: VY002224.D
Acq: 03 Apr 2020 17:24

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	52.4	78.6



Abundance Ion 82.90 (82.60 to 83.60): VY0
Ion 84.90 (84.60 to 85.60): VY0





#31

Cyclohexane

Concen: 46.065 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.01 min

Lab File: VY002224.D

Acq: 03 Apr 2020 17:24

Instrument :

MSVOA_Y

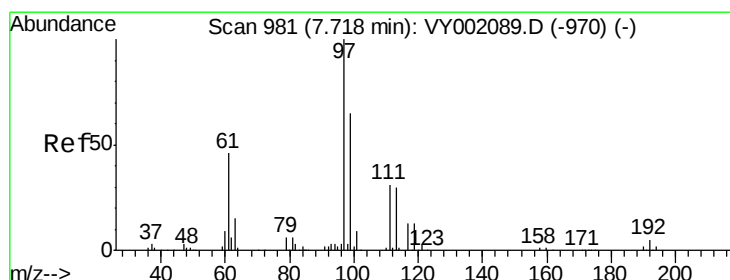
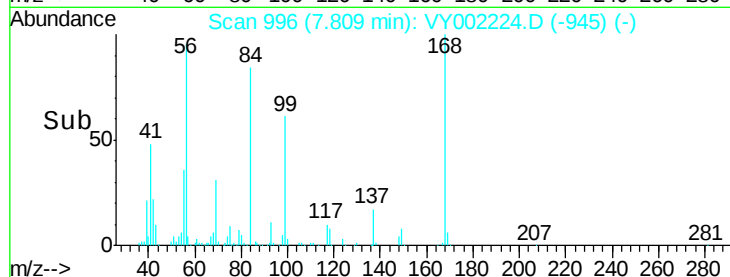
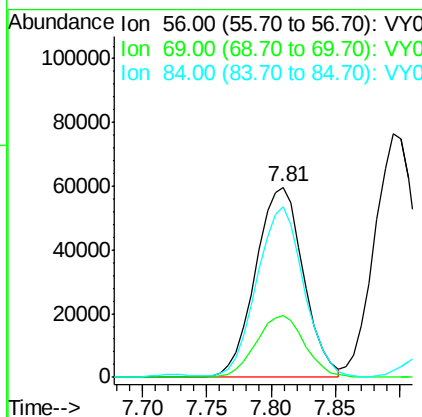
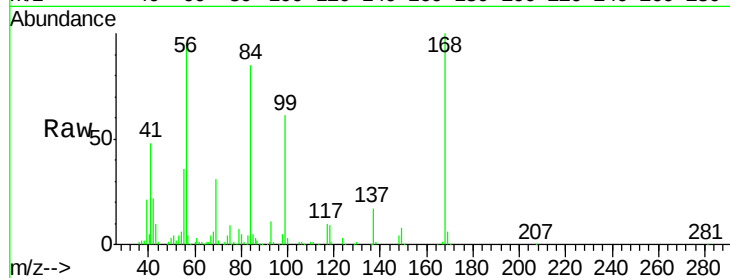
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	153966
Ion	Ratio	Lower	Upper
56	100		
69	32.5	25.8	38.8
84	88.6	67.1	100.7

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#32

1,1,1-Trichloroethane

Concen: 50.222 ug/l

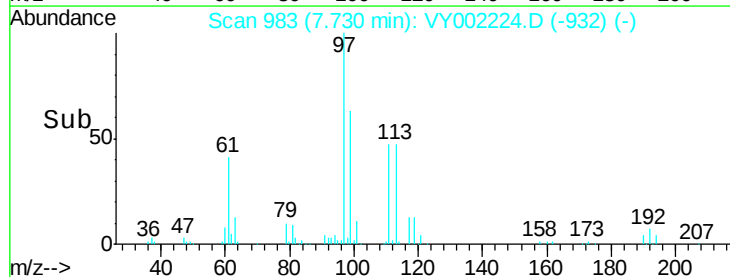
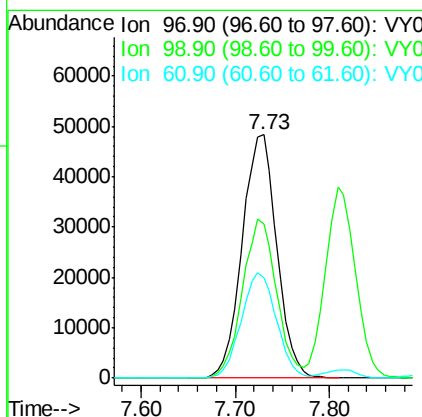
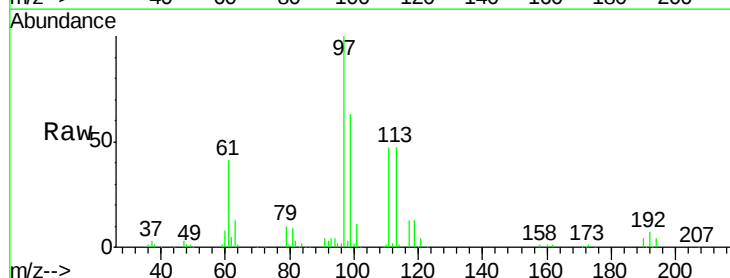
RT: 7.73 min Scan# 983

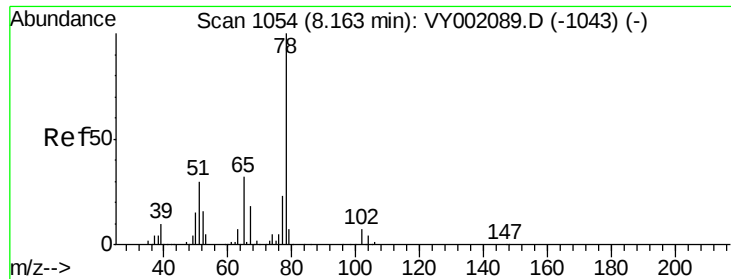
Delta R.T. 0.01 min

Lab File: VY002224.D

Acq: 03 Apr 2020 17:24

Tgt Ion:	97	Resp:	124670
Ion	Ratio	Lower	Upper
97	100		
99	64.6	52.0	78.0
61	44.0	35.7	53.5





#33

1,2-Dichloroethane-d4

Concen: 48.133 ug/l

RT: 8.16 min Scan# 1054

Delta R.T. 0.00 min

Lab File: VY002224.D

Acq: 03 Apr 2020 17:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 77219

Ion Ratio Lower Upper

65 100

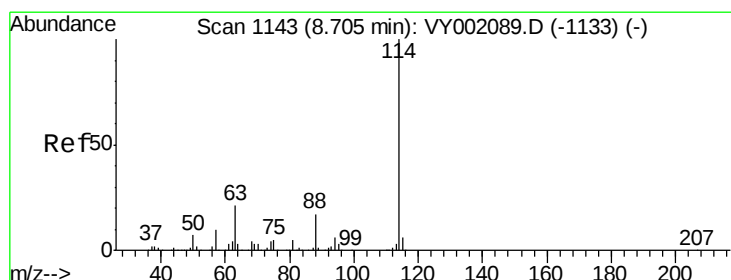
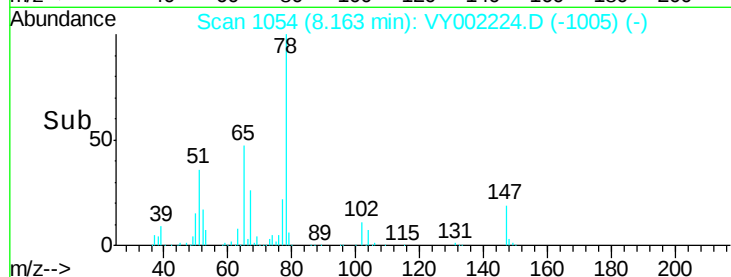
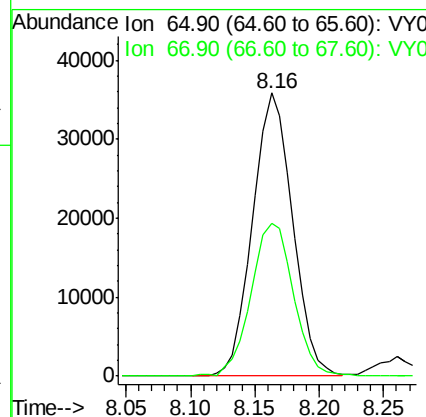
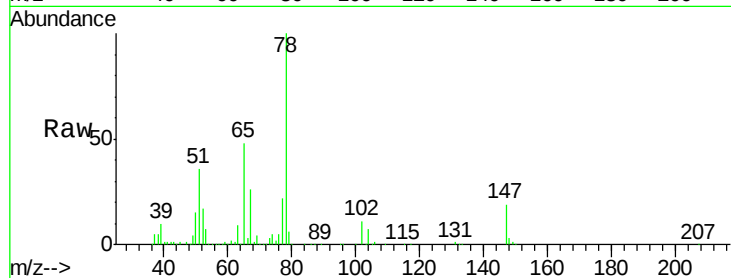
67 57.4 0.0 112.8

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.71 min Scan# 1144

Delta R.T. 0.01 min

Lab File: VY002224.D

Acq: 03 Apr 2020 17:24

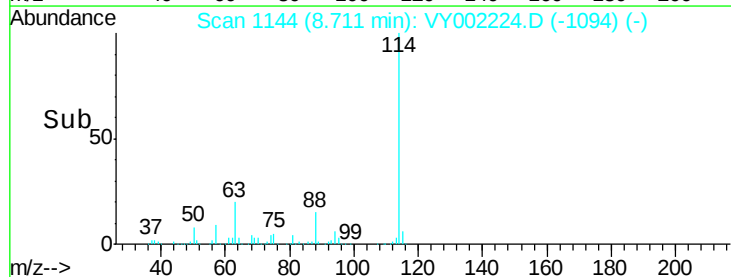
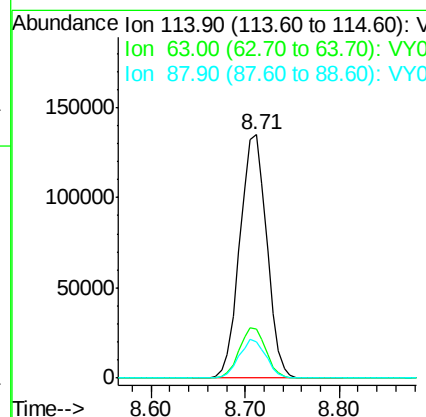
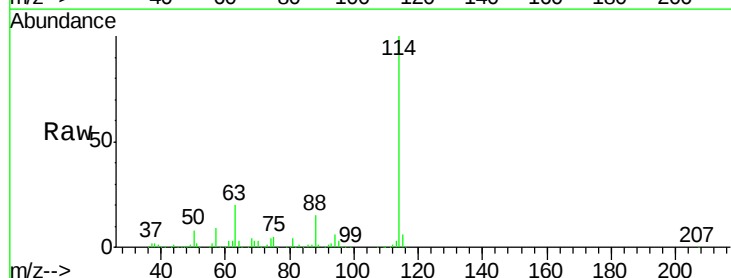
Tgt Ion: 114 Resp: 268678

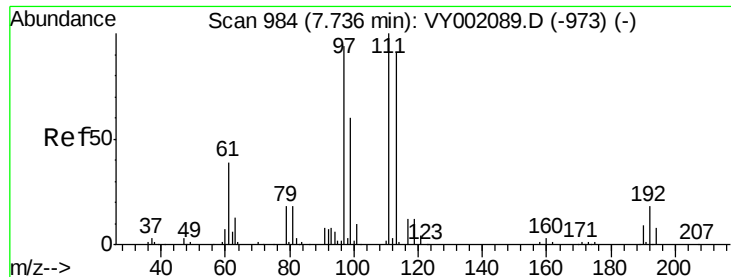
Ion Ratio Lower Upper

114 100

63 20.1 0.0 41.4

88 15.1 0.0 33.0





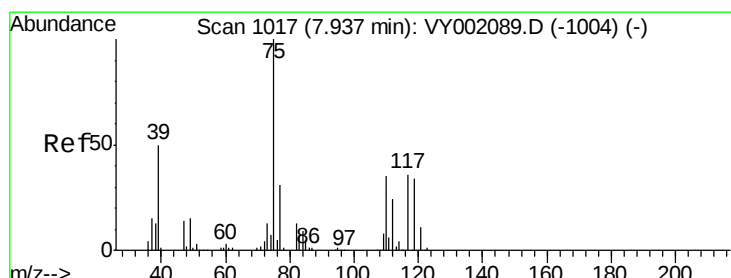
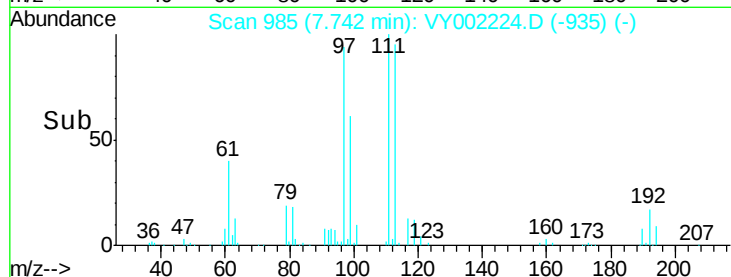
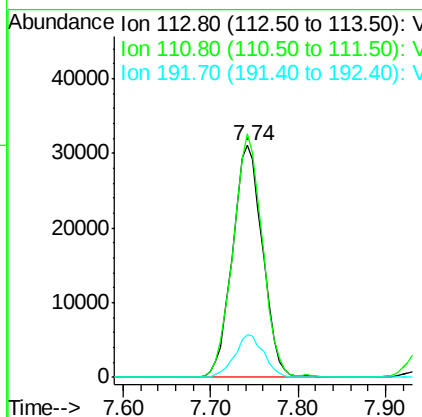
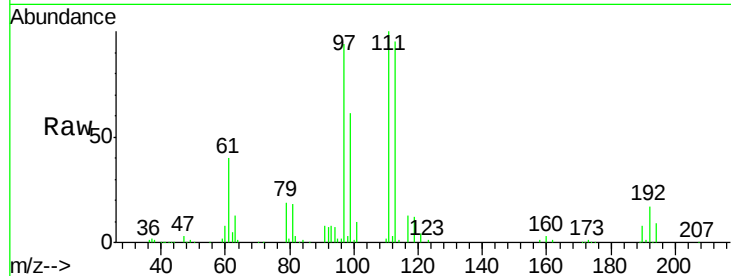
#35
 Dibromofluoromethane
 Concen: 49.484 ug/l
 RT: 7.74 min Scan# 985
 Delta R.T. 0.01 min
 Lab File: VY002224.D
 Acq: 03 Apr 2020 17:24

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.5	84.4	126.6
192	17.8	14.6	21.8

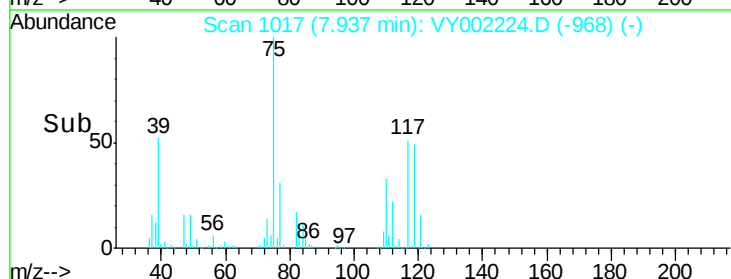
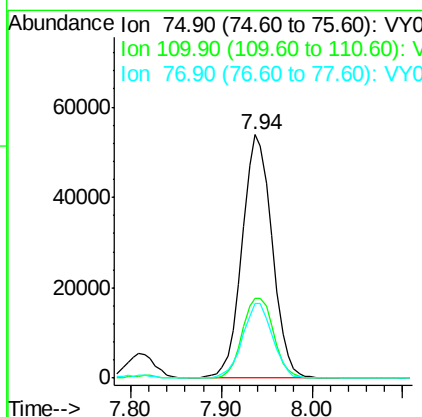
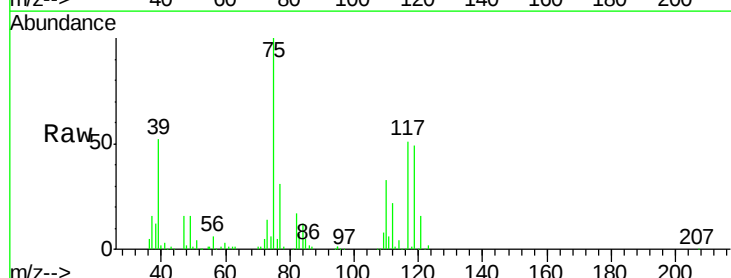
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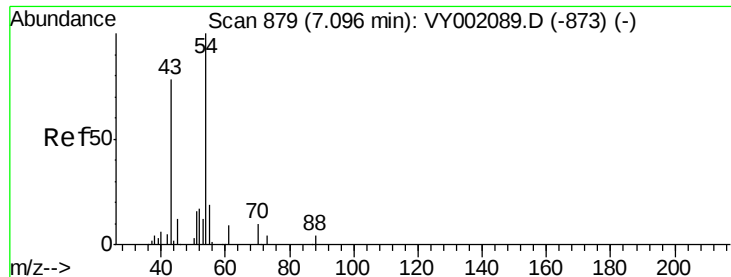
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#36
 1,1-Dichloropropene
 Concen: 48.798 ug/l
 RT: 7.94 min Scan# 1017
 Delta R.T. 0.00 min
 Lab File: VY002224.D
 Acq: 03 Apr 2020 17:24

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.3	17.2	51.6
77	30.8	24.7	37.1





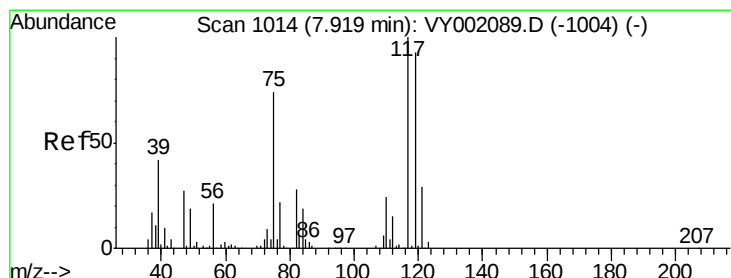
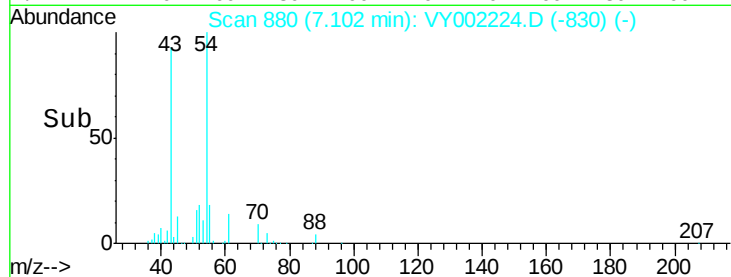
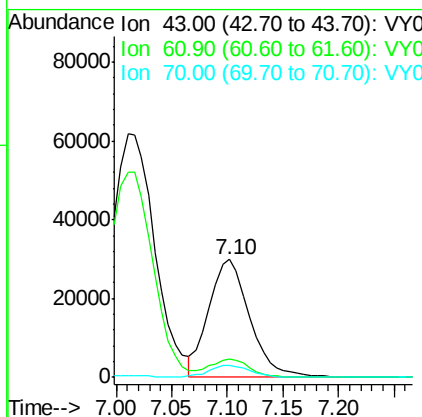
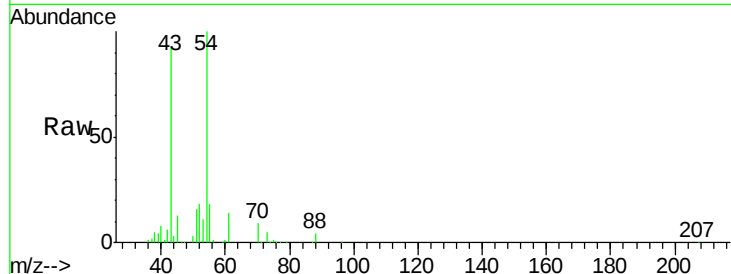
#37
Ethyl Acetate
Concen: 49.579 ug/l
RT: 7.10 min Scan# 880
Delta R.T. 0.01 min
Lab File: VY002224.D
Acq: 03 Apr 2020 17:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	61	70
Resp	76140	15.0	10.6
Lower		11.2	8.2
Upper		16.8	12.4

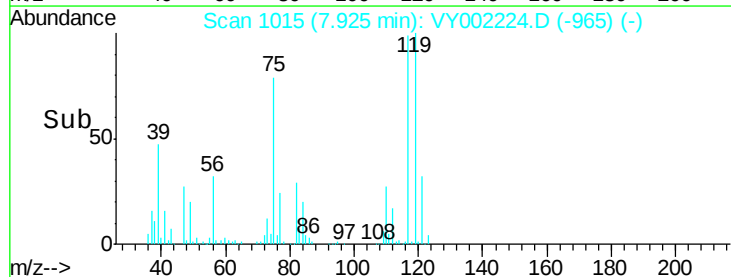
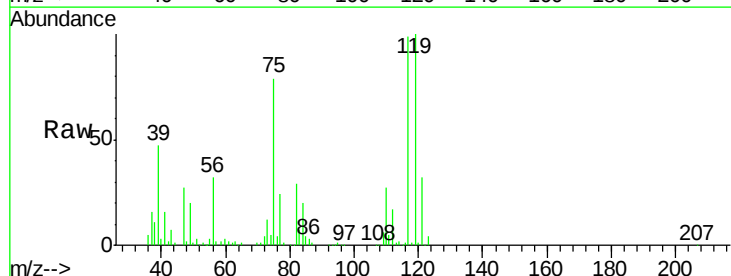
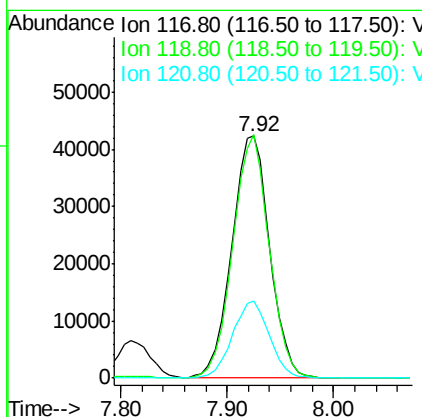
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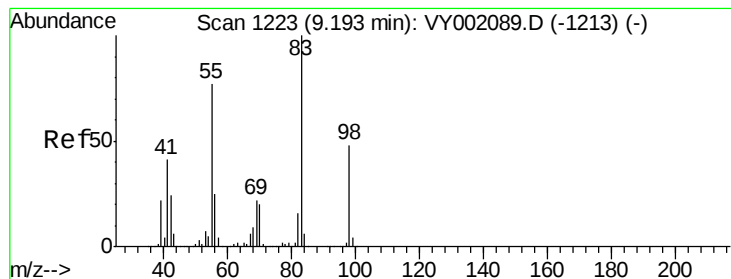
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#38
Carbon Tetrachloride
Concen: 48.928 ug/l
RT: 7.92 min Scan# 1015
Delta R.T. 0.01 min
Lab File: VY002224.D
Acq: 03 Apr 2020 17:24

Tgt Ion	117	119	121
Resp	105494	100.5	31.8
Lower		74.3	23.3
Upper		111.5	34.9





#39

Methvlcvclohexane

Concen: 49.893 ug/l

RT: 9.20 min Scan# 1224

Delta R.T. 0.01 min

Lab File: VY002224.D

Acq: 03 Apr 2020 17:24

Instrument :

MSVOA_Y

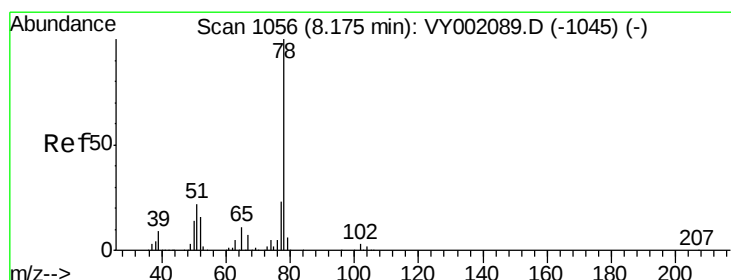
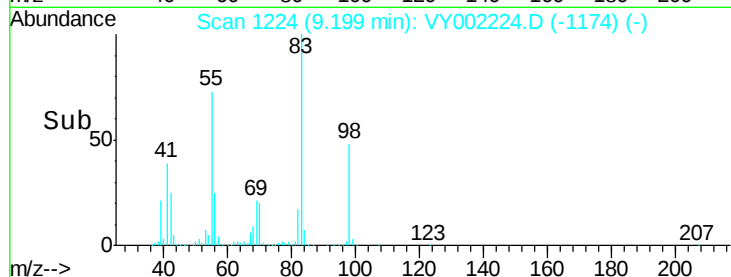
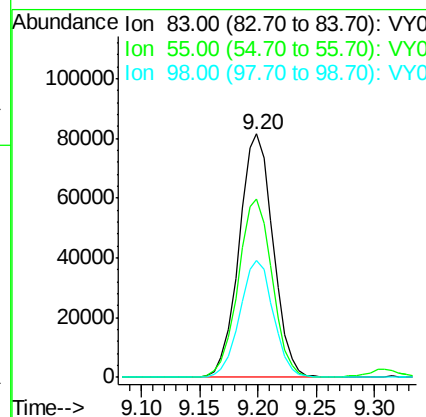
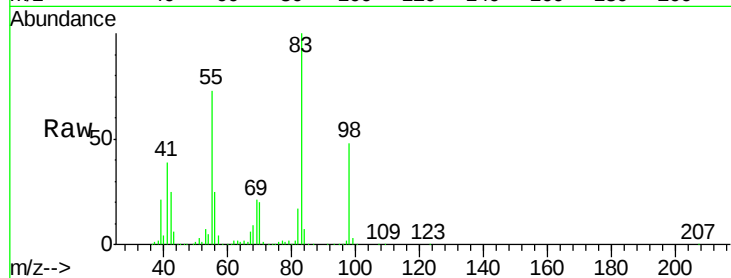
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	166317
Ion	Ratio	Lower	Upper
83	100		
55	73.2	61.2	91.8
98	48.2	38.2	57.2

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#40

Benzene

Concen: 50.438 ug/l

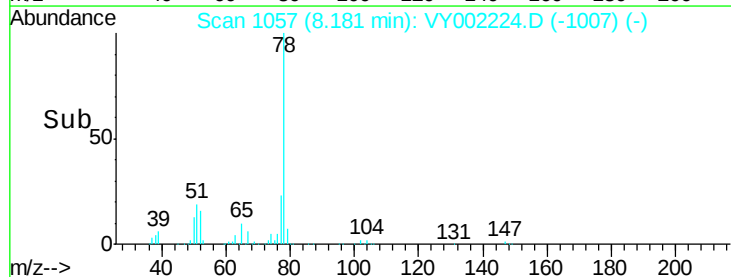
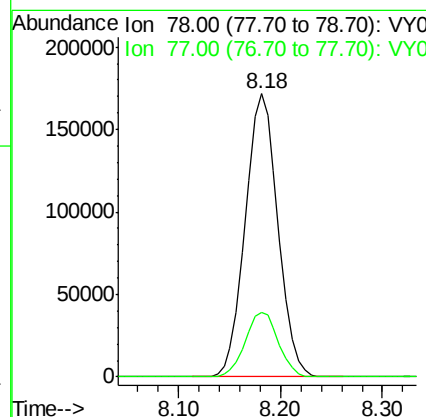
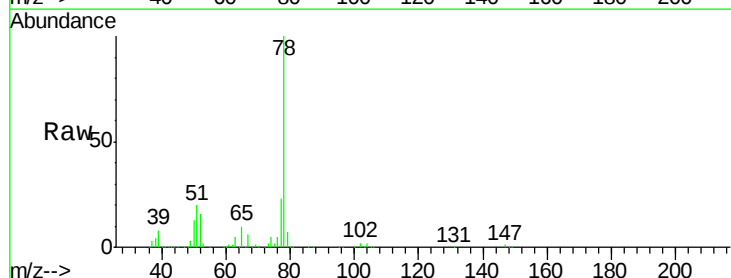
RT: 8.18 min Scan# 1057

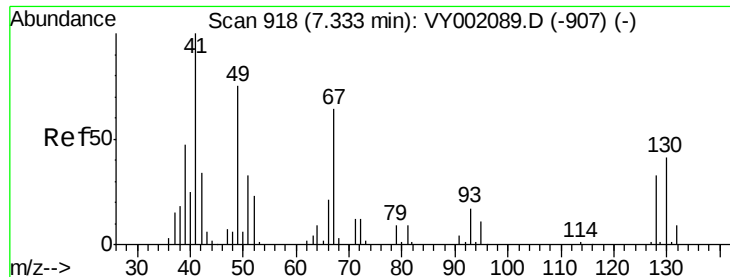
Delta R.T. 0.01 min

Lab File: VY002224.D

Acq: 03 Apr 2020 17:24

Tgt Ion:	78	Resp:	379684
Ion	Ratio	Lower	Upper
78	100		
77	22.9	18.2	27.4





#41

Methacrylonitrile

Concen: 49.828 ug/l m

RT: 7.35 min Scan# 920

Delta R.T. 0.01 min

Lab File: VY002224.D

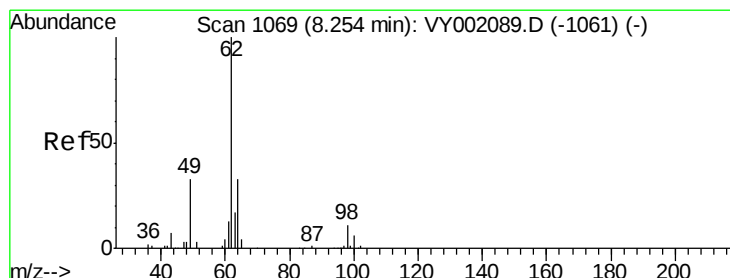
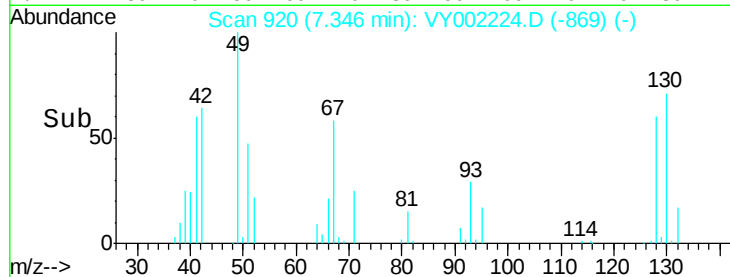
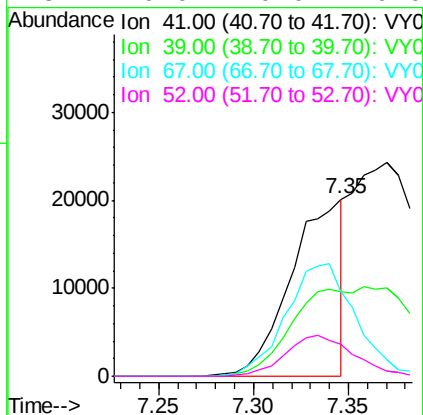
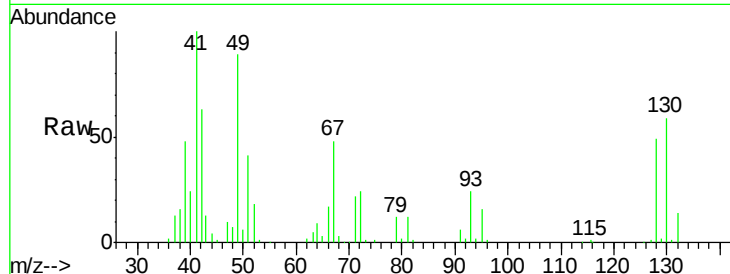
Acq: 03 Apr 2020 17:24

Tot Ion	41	Resp	38707
Ion Ratio	Lower	Upper	
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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#42

1,2-Dichloroethane

Concen: 49.218 ug/l

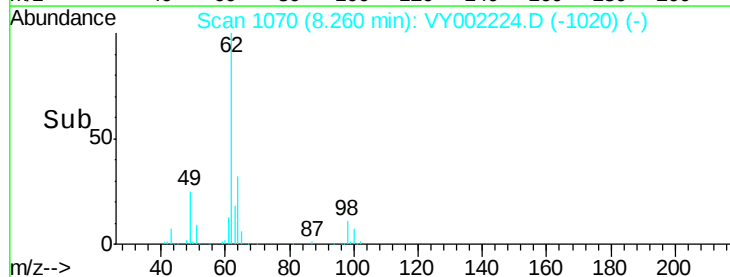
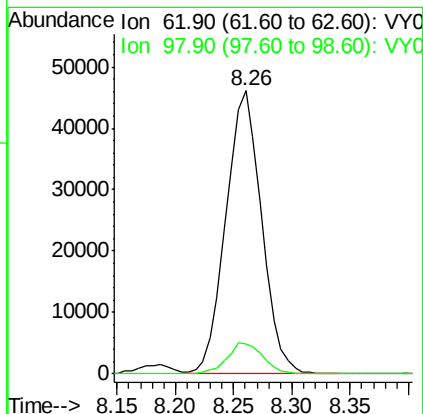
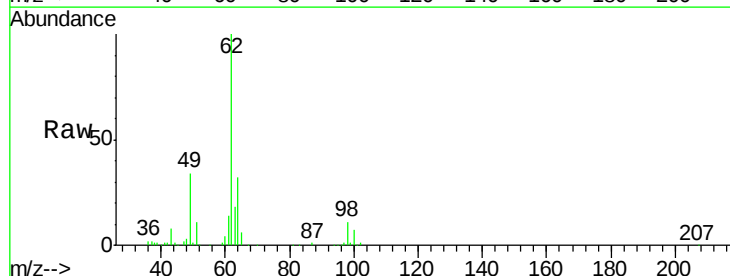
RT: 8.26 min Scan# 1070

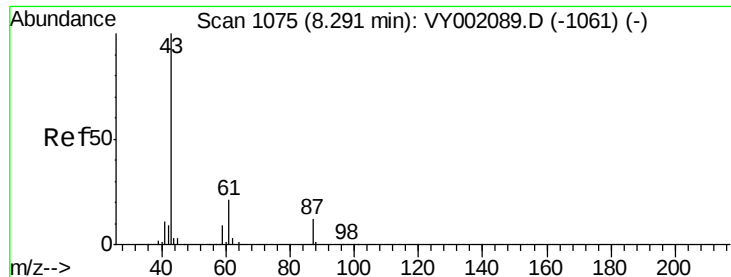
Delta R.T. 0.01 min

Lab File: VY002224.D

Acq: 03 Apr 2020 17:24

Tgt Ion	62	Resp	98363
Ion Ratio	Lower	Upper	
62	100		
98	10.9	0.0	21.2





#43

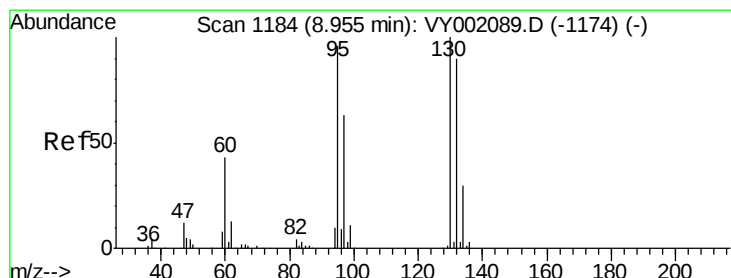
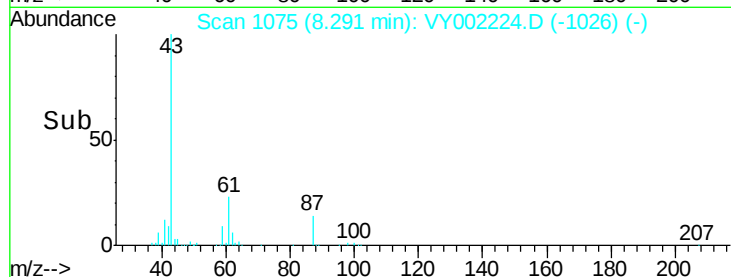
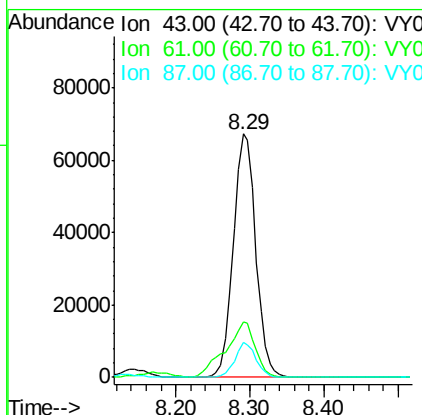
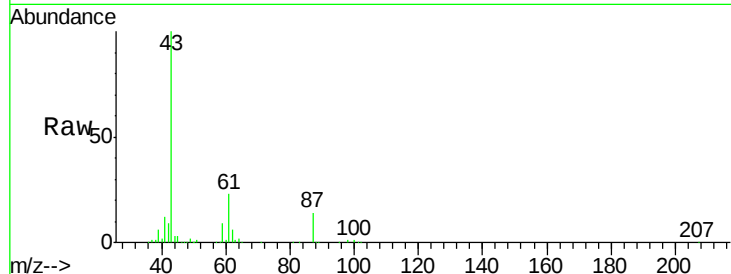
Isopropyl Acetate
 Concen: 50.155 ug/l
 RT: 8.29 min Scan# 1075
 Delta R.T. 0.00 min
 Lab File: VY002224.D
 Acq: 03 Apr 2020 17:24

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.8	23.4	35.2
87	13.3	10.2	15.4

Manual Integrations
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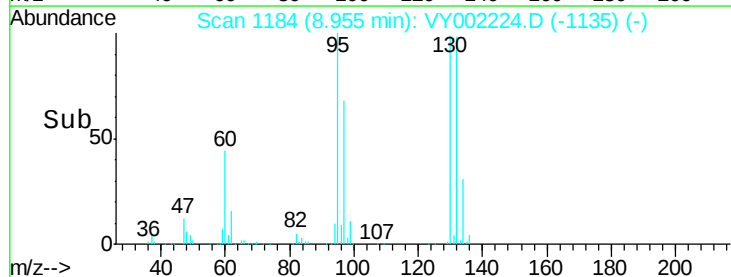
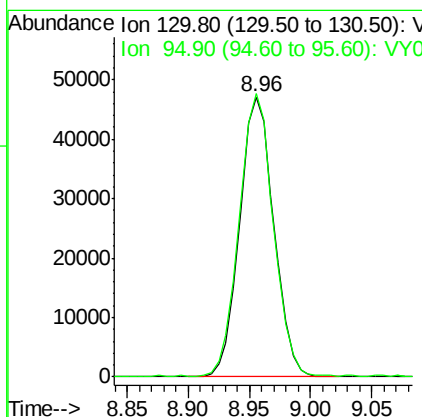
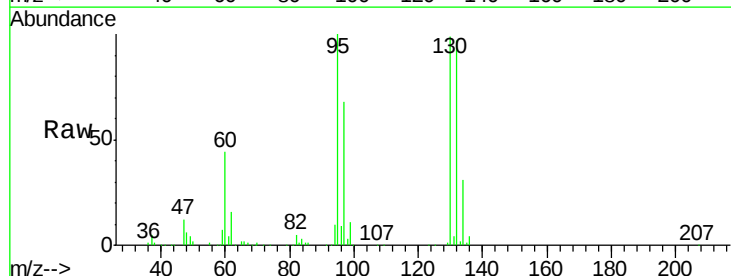
MMDadoda
 4/6/2020 11:30:16 AM

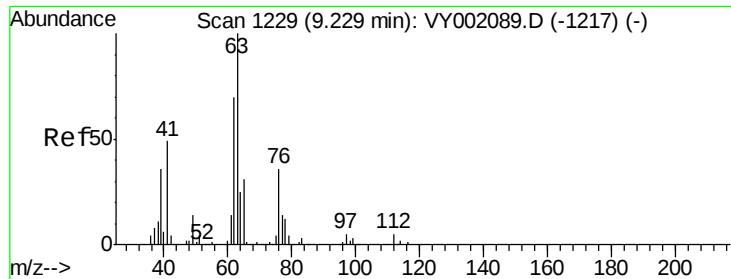


#44

Trichloroethene
 Concen: 50.185 ug/l
 RT: 8.96 min Scan# 1184
 Delta R.T. 0.00 min
 Lab File: VY002224.D
 Acq: 03 Apr 2020 17:24

Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.0	0.0	193.0





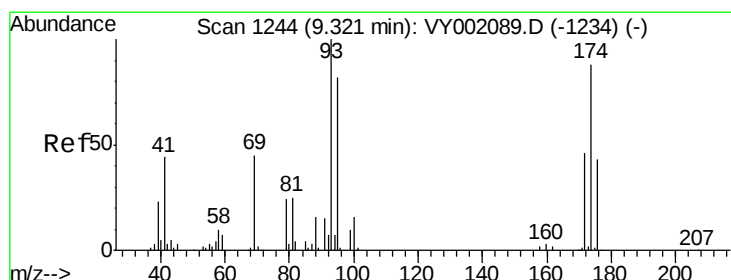
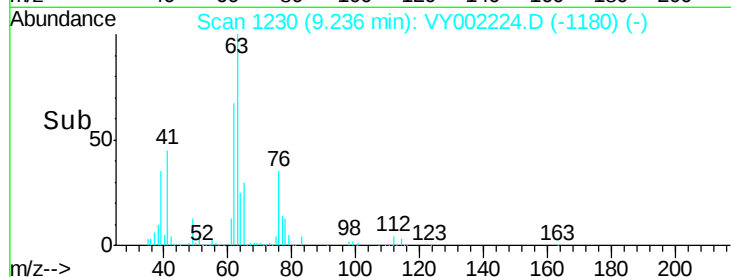
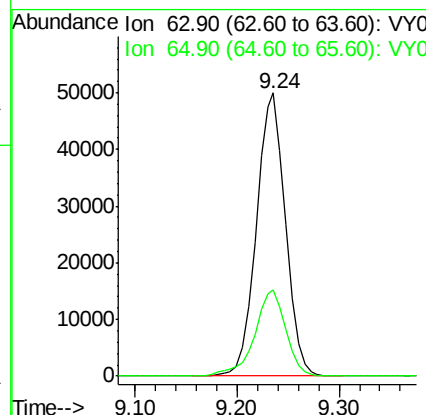
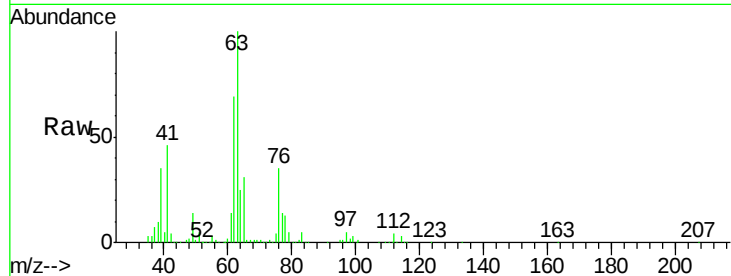
#45
 1,2-Dichloropropane
 Concen: 51.567 ug/l
 RT: 9.24 min Scan# 1230
 Delta R.T. 0.01 min
 Lab File: VY002224.D
 Acq: 03 Apr 2020 17:24

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 98839
 Ion Ratio Lower Upper
 63 100
 65 30.6 25.0 37.6

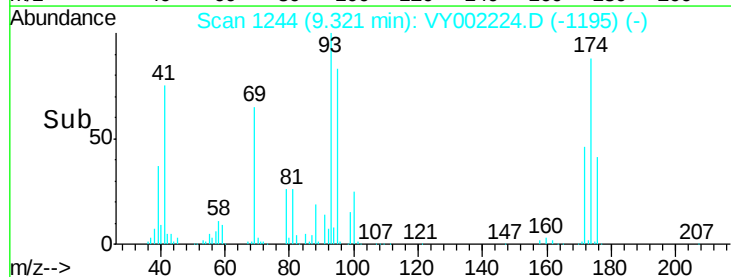
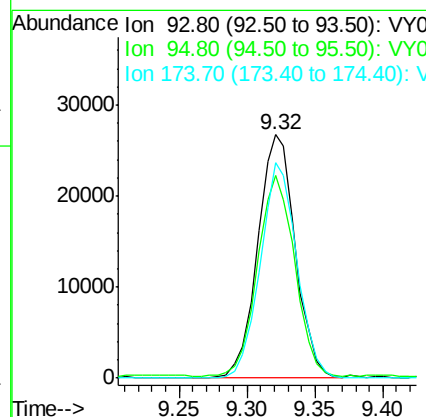
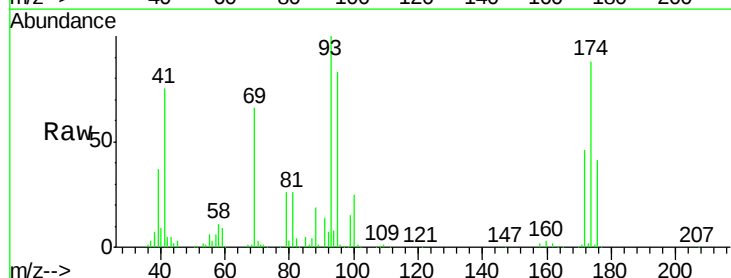
Manual Integrations
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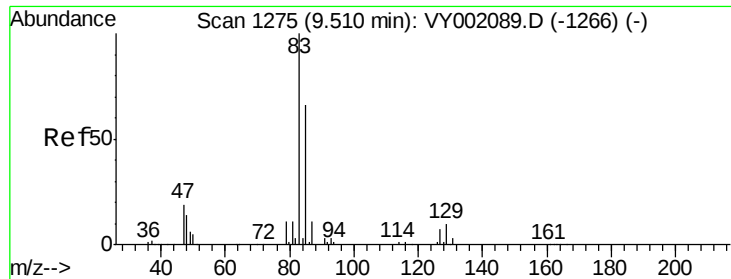
MMDadoda
 4/6/2020 11:30:16 AM



#46
 Dibromomethane
 Concen: 52.031 ug/l
 RT: 9.32 min Scan# 1244
 Delta R.T. 0.00 min
 Lab File: VY002224.D
 Acq: 03 Apr 2020 17:24

Tgt Ion: 93 Resp: 51217
 Ion Ratio Lower Upper
 93 100
 95 83.6 66.0 99.0
 174 87.0 69.8 104.8





#47

Bromodichloromethane

Concen: 51.817 ug/l

RT: 9.51 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VY002224.D

Acq: 03 Apr 2020 17:24

Instrument :

MSVOA_Y

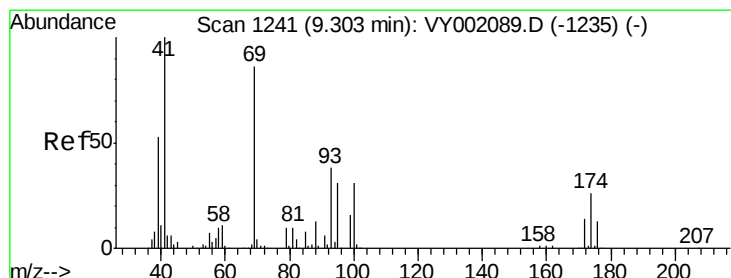
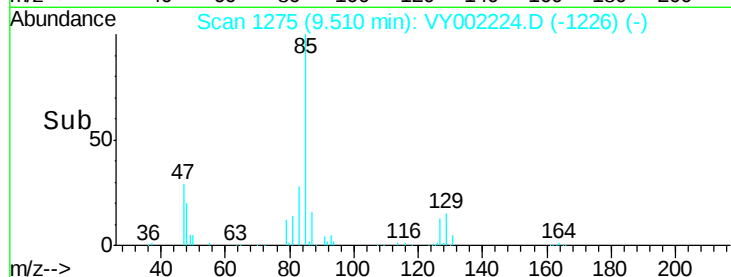
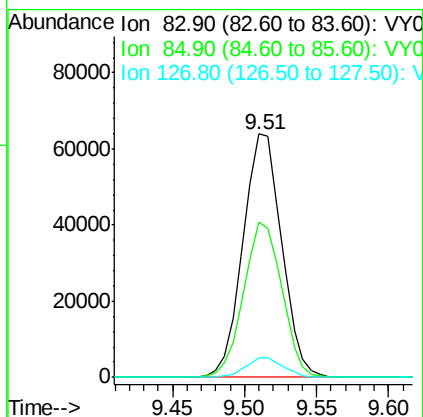
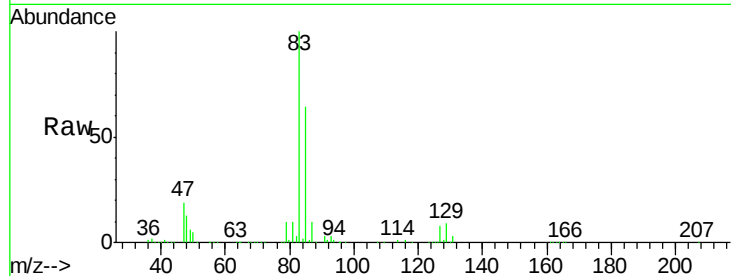
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	118740
Ion	Ratio	Lower	Upper
83	100		
85	63.6	52.6	79.0
127	8.0	5.9	8.9

Manual Integrations
APPROVED

MMDadoda
4/6/2020 11:30:16 AM



#48

Methyl methacrylate

Concen: 49.581 ug/l

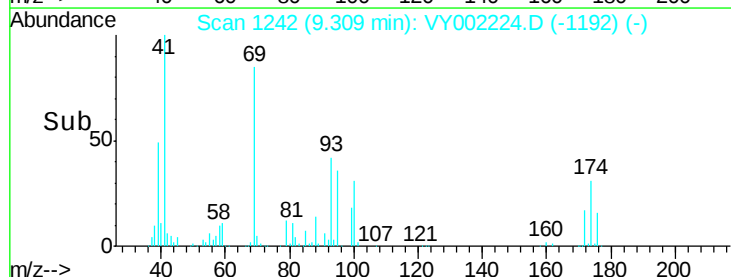
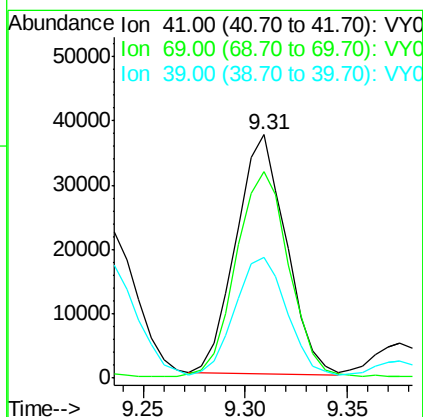
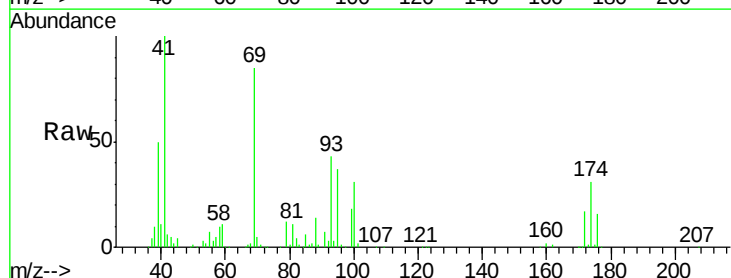
RT: 9.31 min Scan# 1242

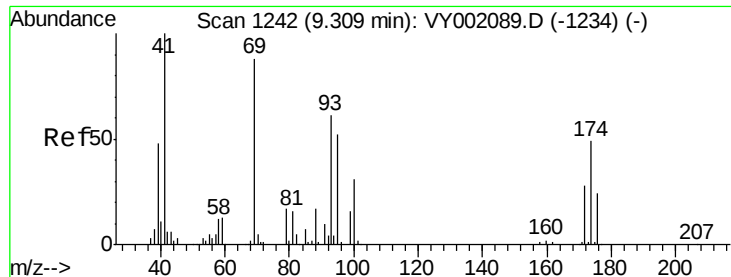
Delta R.T. 0.01 min

Lab File: VY002224.D

Acq: 03 Apr 2020 17:24

Tgt Ion:	41	Resp:	63332
Ion	Ratio	Lower	Upper
41	100		
69	91.0	71.4	107.0
39	53.9	41.0	61.4





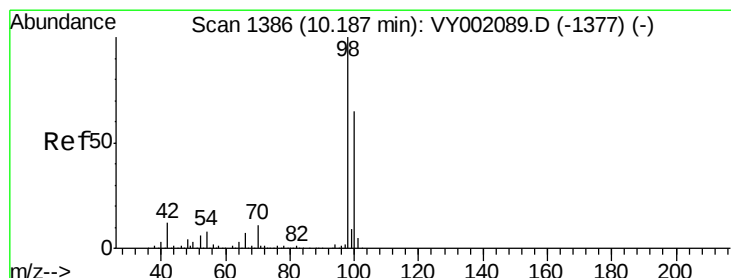
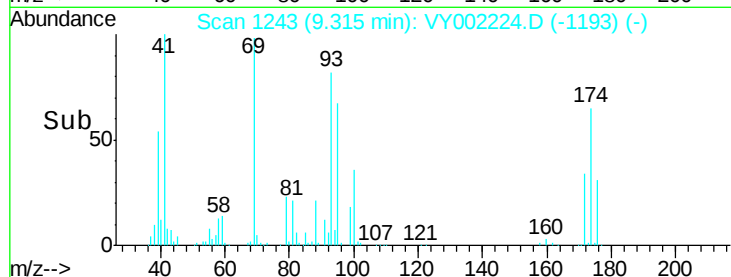
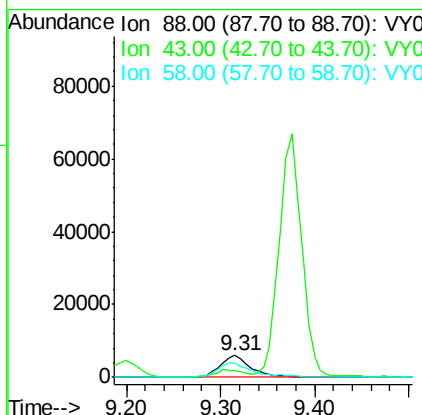
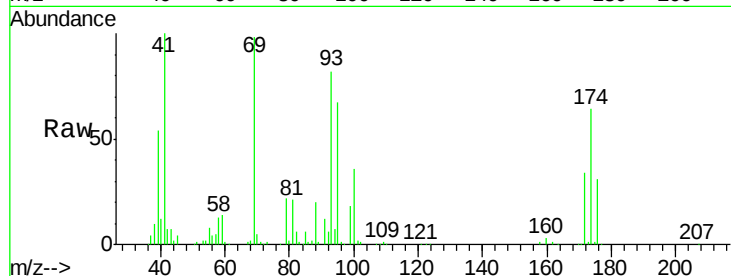
#49
1,4-Dioxane
Concen: 1032.378 ug/l
RT: 9.31 min Scan# 1243
Delta R.T. 0.01 min
Lab File: VY002224.D
Acq: 03 Apr 2020 17:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	13945
Ion Ratio	100	Lower	Upper
88	100		
43	29.8	27.2	40.8
58	74.7	59.8	89.8

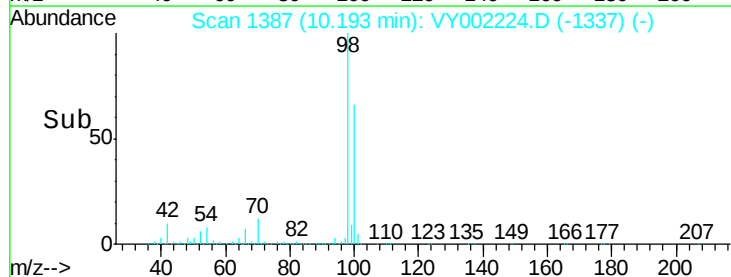
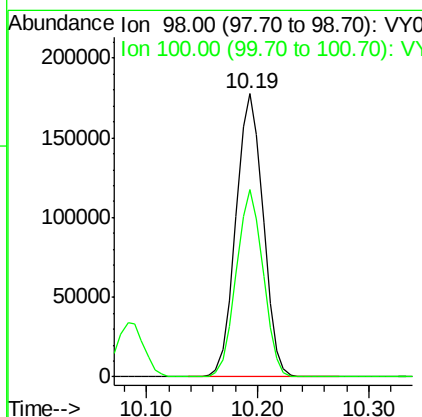
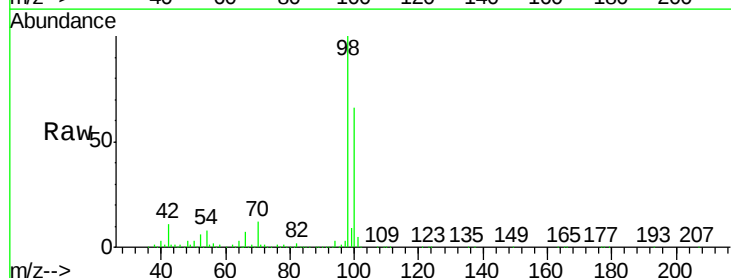
Manual Integrations
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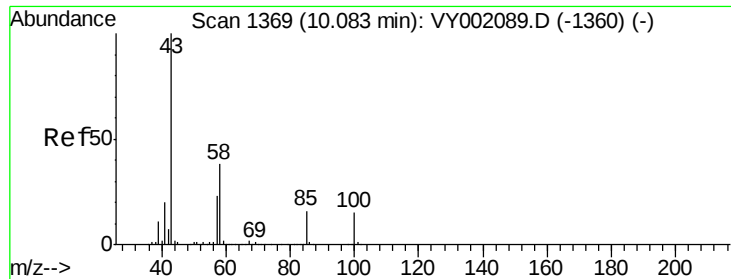
MMDadoda
4/6/2020 11:30:16 AM



#50
Toluene-d8
Concen: 48.217 ug/l
RT: 10.19 min Scan# 1387
Delta R.T. 0.01 min
Lab File: VY002224.D
Acq: 03 Apr 2020 17:24

Tgt Ion	98	Resp	301549
Ion Ratio	100	Lower	Upper
98	100		
100	65.3	51.6	77.4





#51

4-Methyl-2-Pentanone

Concen: 259.576 ug/l

RT: 10.08 min Scan# 1369

Delta R.T. 0.00 min

Lab File: VY002224.D

Acq: 03 Apr 2020 17:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 380983

Ion Ratio Lower Upper

43 100

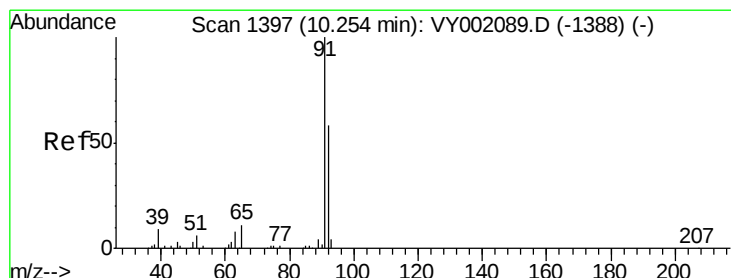
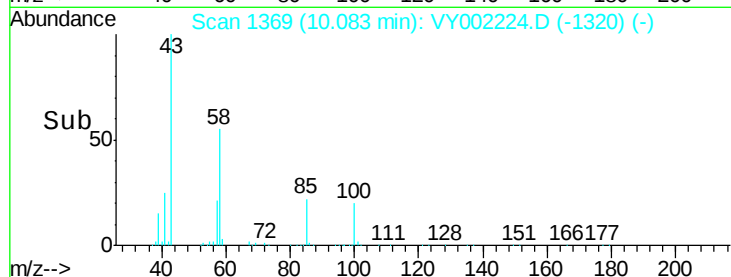
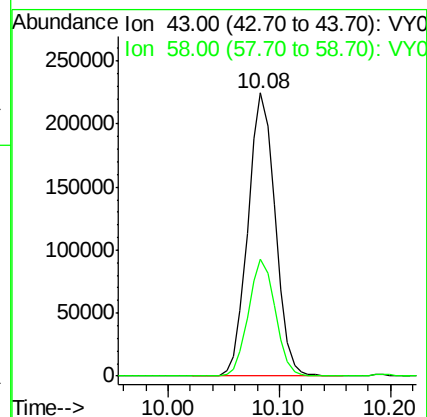
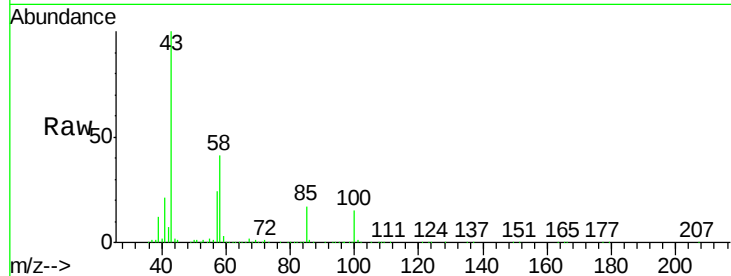
58 41.1 31.6 47.4

Manual Integrations

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4/6/2020 11:30:16 AM



#52

Toluene

Concen: 51.147 ug/l

RT: 10.25 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VY002224.D

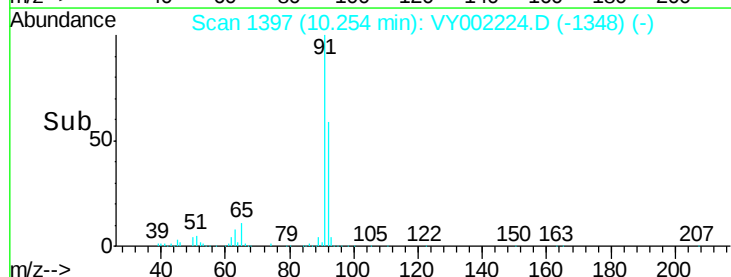
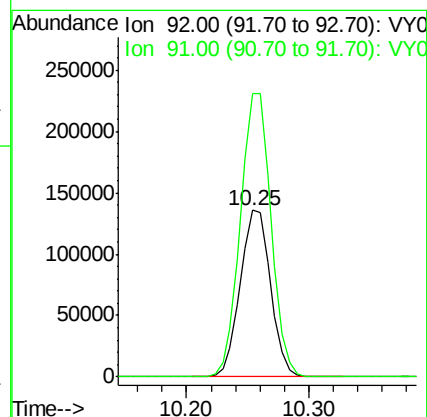
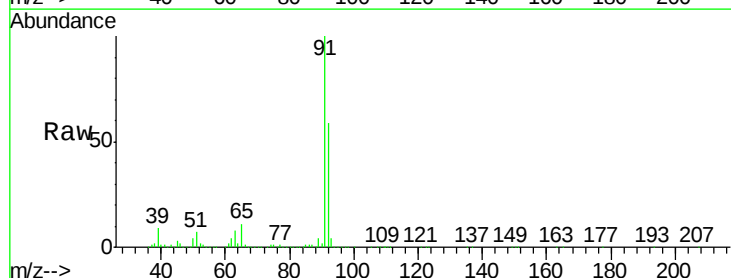
Acq: 03 Apr 2020 17:24

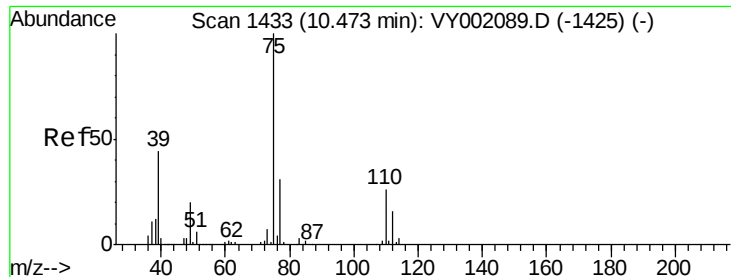
Tgt Ion: 92 Resp: 232872

Ion Ratio Lower Upper

92 100

91 171.6 139.3 208.9





#53

t-1,3-Dichloropropene

Concen: 51.060 ug/l

RT: 10.48 min Scan# 1434

Delta R.T. 0.01 min

Lab File: VY002224.D

Acq: 03 Apr 2020 17:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 129865

Ion Ratio Lower Upper

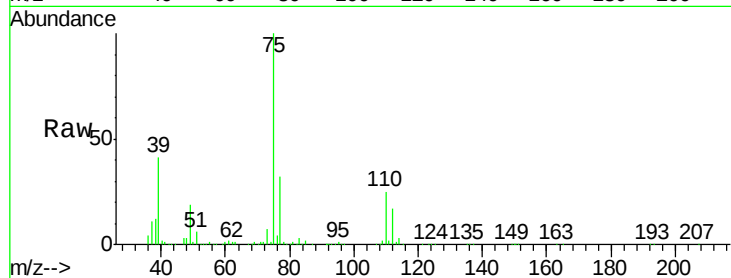
75 100

77 31.7 25.2 37.8

Manual Integrations
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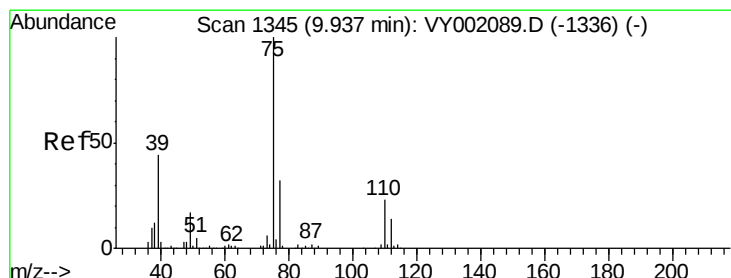
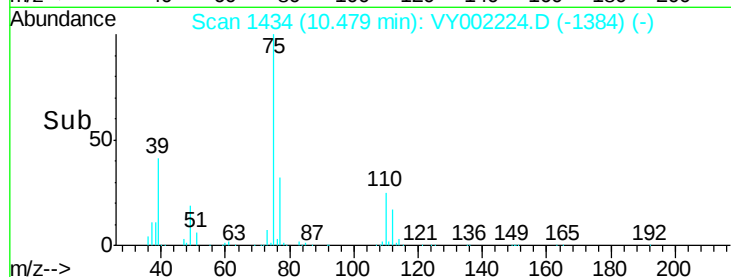
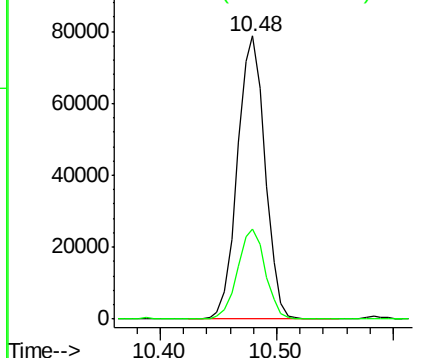
MMDadoda

4/6/2020 11:30:16 AM



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0



#54

cis-1,3-Dichloropropene

Concen: 51.840 ug/l

RT: 9.94 min Scan# 1346

Delta R.T. 0.01 min

Lab File: VY002224.D

Acq: 03 Apr 2020 17:24

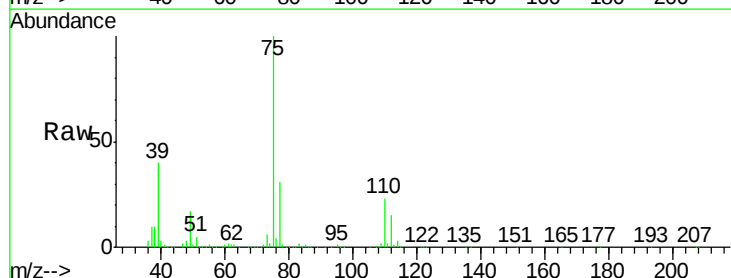
Tgt Ion: 75 Resp: 155237

Ion Ratio Lower Upper

75 100

77 31.3 25.6 38.4

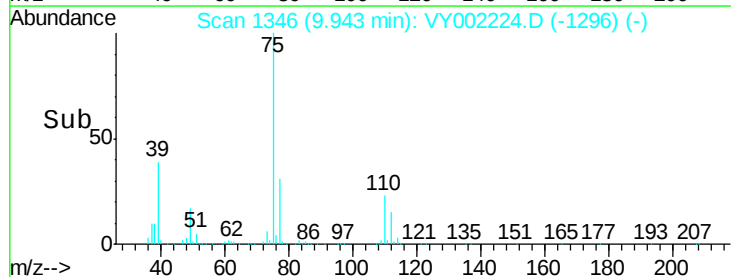
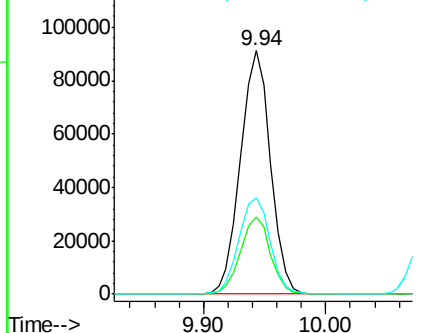
39 39.4 35.2 52.8

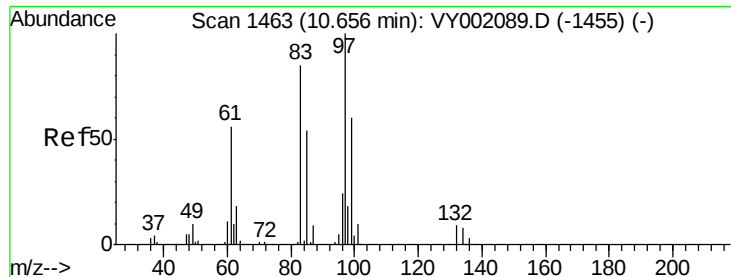


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0

Ion 39.00 (38.70 to 39.70): VY0





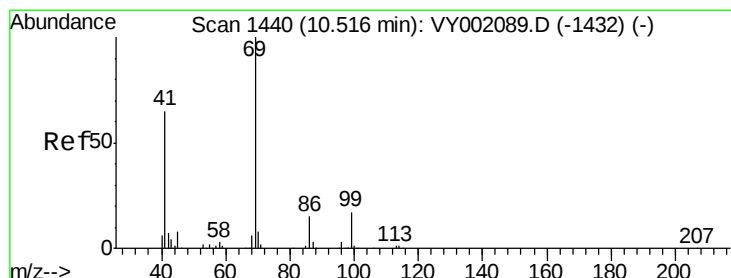
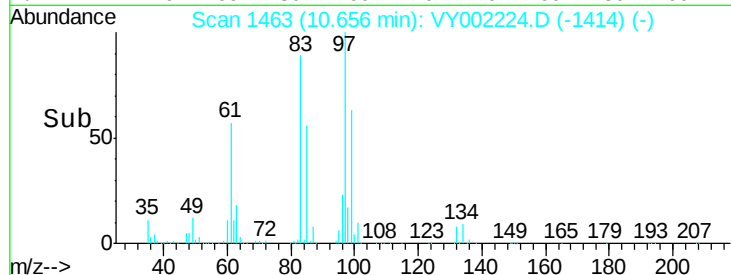
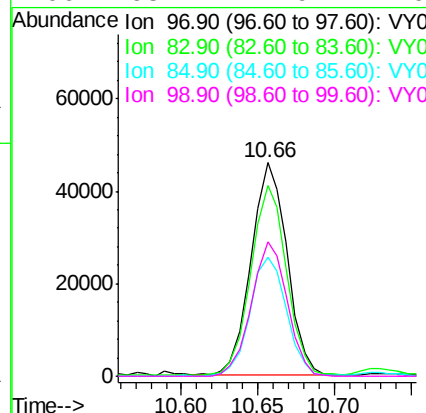
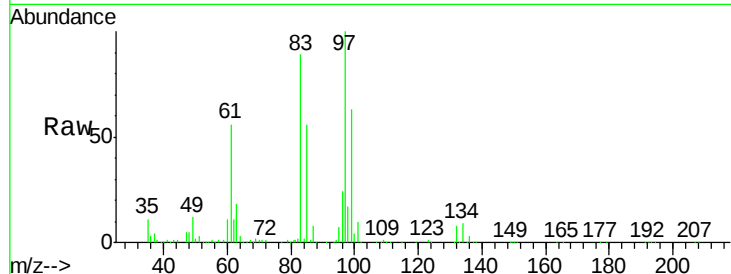
#55
 1,1,2-Trichloroethane
 Concen: 51.565 ug/l
 RT: 10.66 min Scan# 1463
 Delta R.T. 0.00 min
 Lab File: VY002224.D
 Acq: 03 Apr 2020 17:24

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	75124
Ion	Ratio	Lower	Upper
97	100		
83	89.3	68.2	102.2
85	55.9	42.9	64.3
99	63.4	47.9	71.9

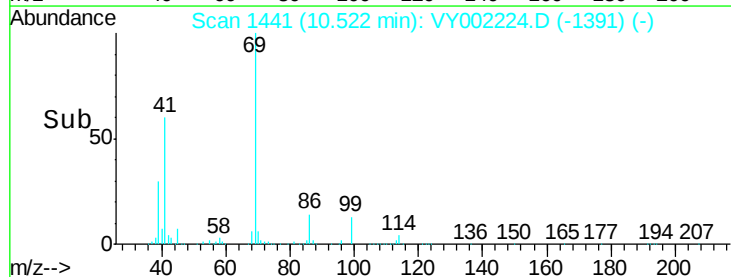
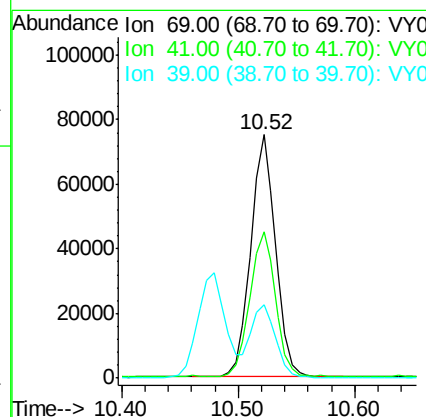
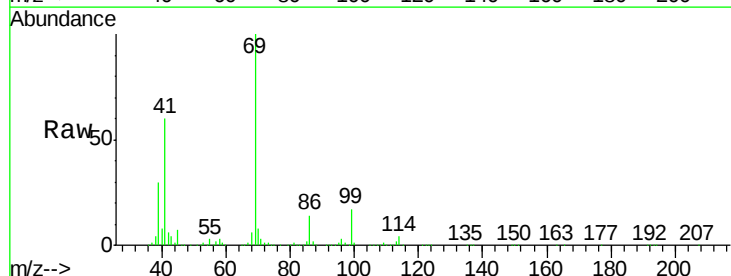
Manual Integrations
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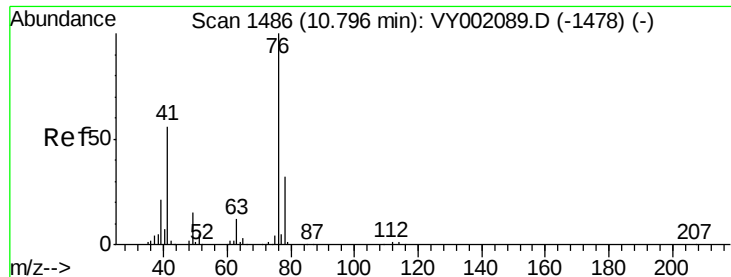
MMDadoda
 4/6/2020 11:30:16 AM



#56
 Ethyl methacrylate
 Concen: 52.216 ug/l
 RT: 10.52 min Scan# 1441
 Delta R.T. 0.01 min
 Lab File: VY002224.D
 Acq: 03 Apr 2020 17:24

Tgt Ion:	69	Resp:	111109
Ion	Ratio	Lower	Upper
69	100		
41	61.8	52.8	79.2
39	31.5	25.0	37.6





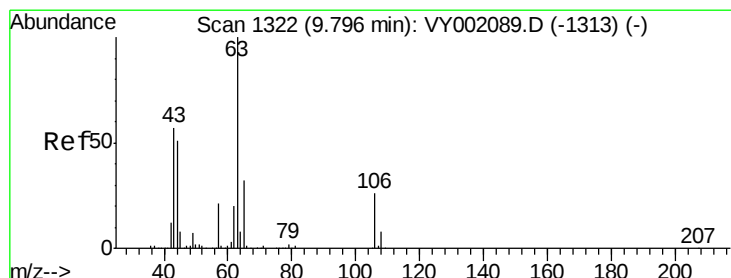
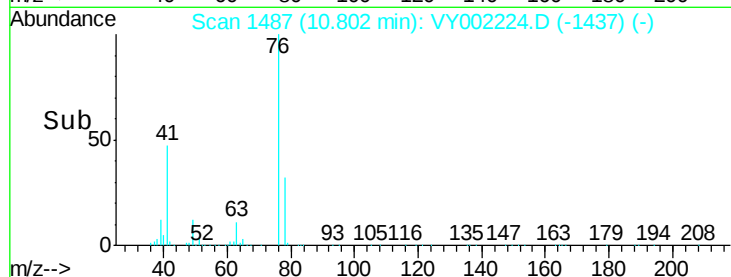
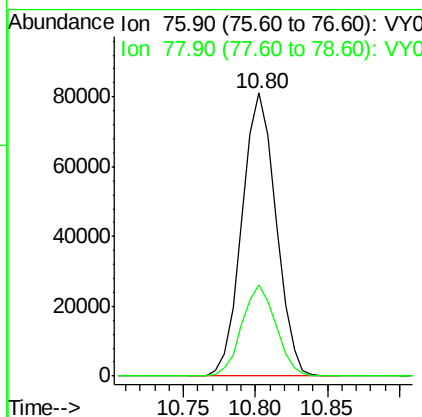
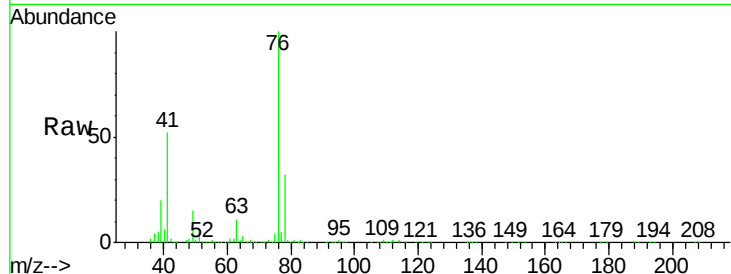
#57
 1,3-Dichloropropane
 Concen: 51.634 ug/l
 RT: 10.80 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VY002224.D
 Acq: 03 Apr 2020 17:24

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	26.1	39.1

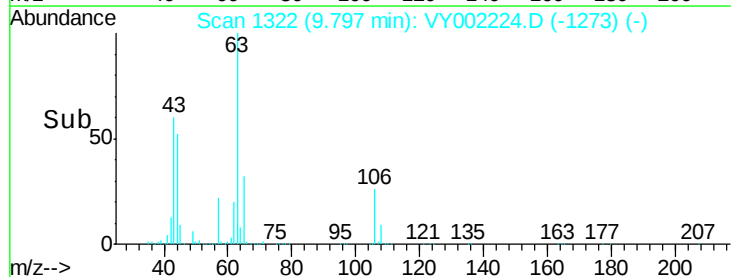
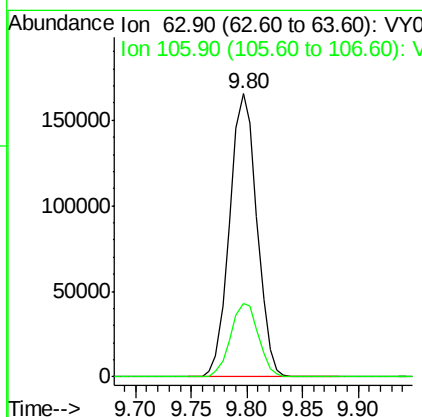
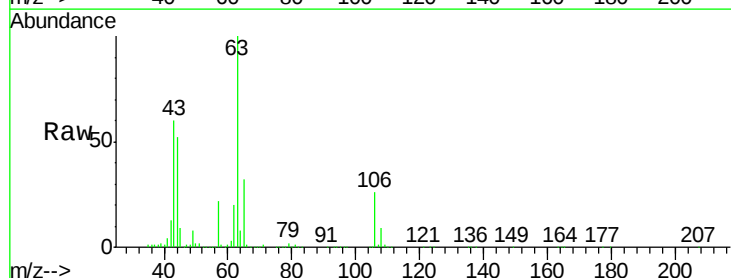
Manual Integrations
 APPROVED

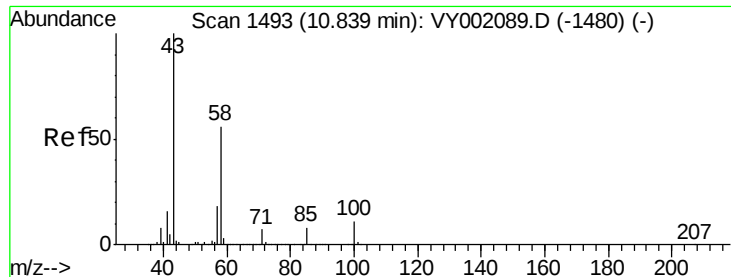
MMDadoda
 4/6/2020 11:30:16 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 256.761 ug/l
 RT: 9.80 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VY002224.D
 Acq: 03 Apr 2020 17:24

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.6	21.0	31.4





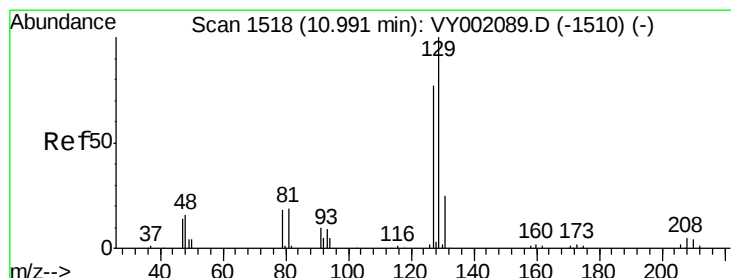
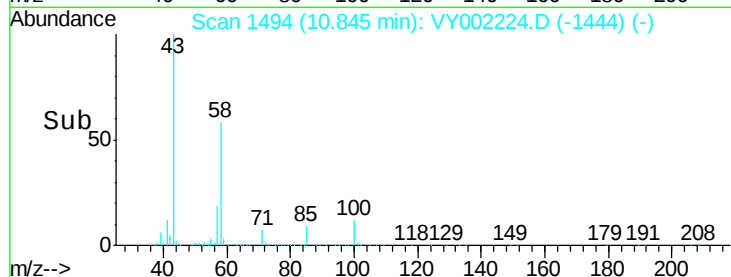
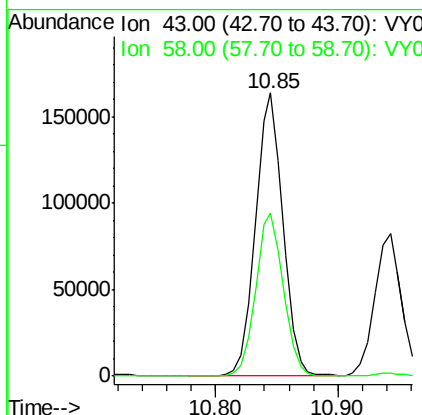
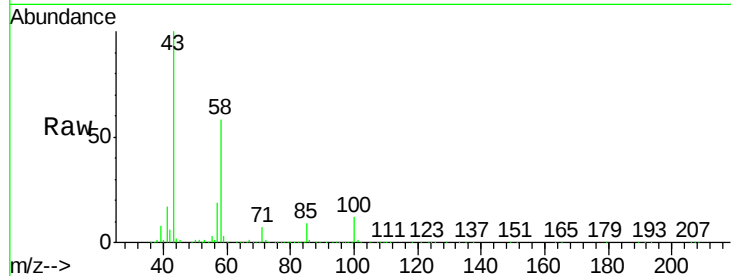
#59
2-Hexanone
Concen: 246.353 ug/l
RT: 10.85 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VY002224.D
Acq: 03 Apr 2020 17:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 254700
Ion Ratio Lower Upper
43 100
58 58.1 27.9 83.6

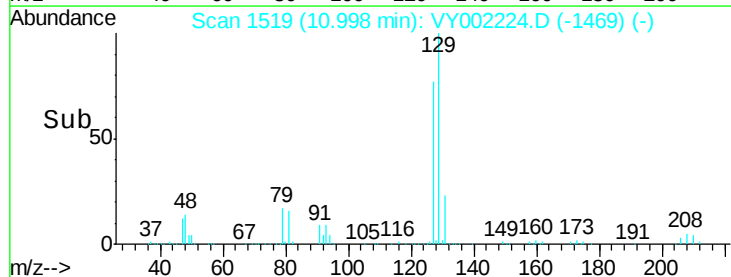
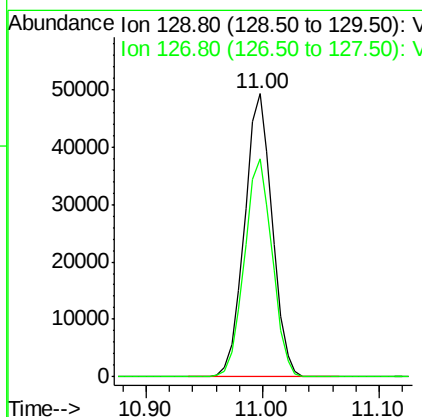
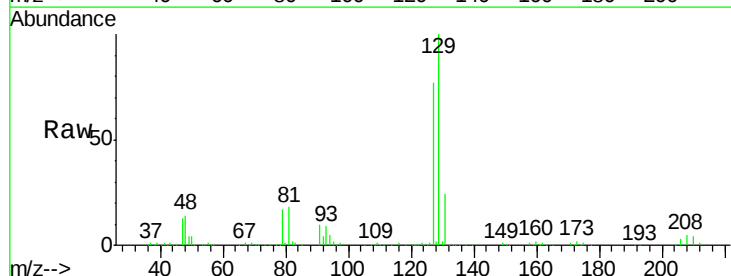
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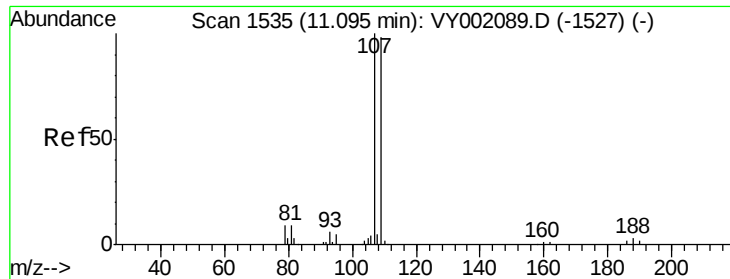
MMDadoda
4/6/2020 11:30:16 AM



#60
Dibromochloromethane
Concen: 53.580 ug/l
RT: 11.00 min Scan# 1519
Delta R.T. 0.01 min
Lab File: VY002224.D
Acq: 03 Apr 2020 17:24

Tgt Ion: 129 Resp: 81683
Ion Ratio Lower Upper
129 100
127 77.3 38.7 116.1





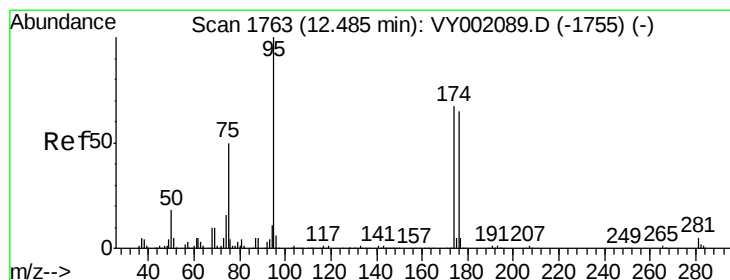
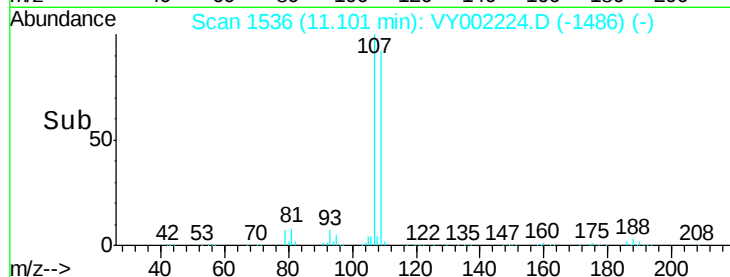
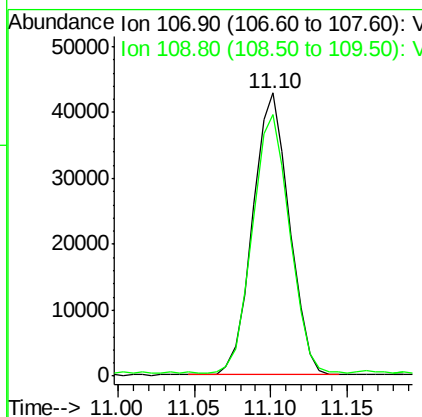
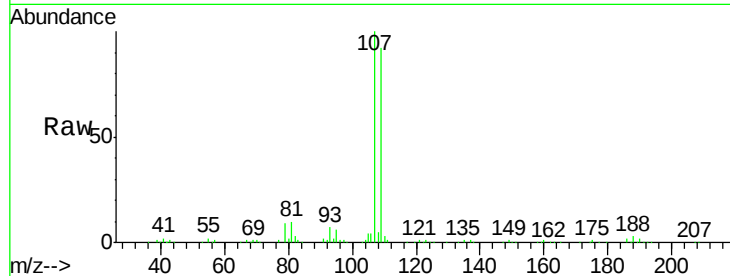
#61
 1,2-Dibromoethane
 Concen: 52.123 ug/l
 RT: 11.10 min Scan# 1536
 Delta R.T. 0.01 min
 Lab File: VY002224.D
 Acq: 03 Apr 2020 17:24

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.7	76.3	114.5

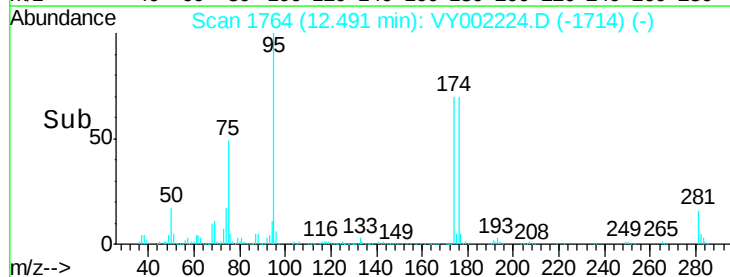
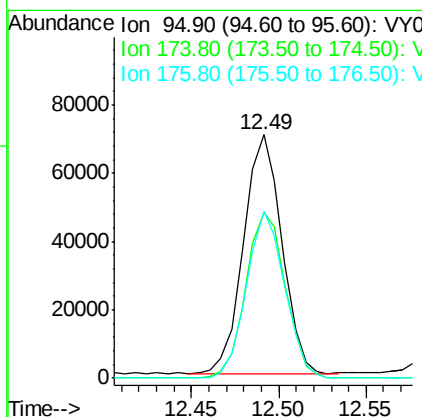
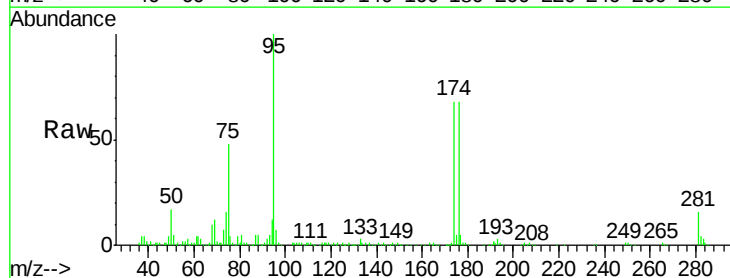
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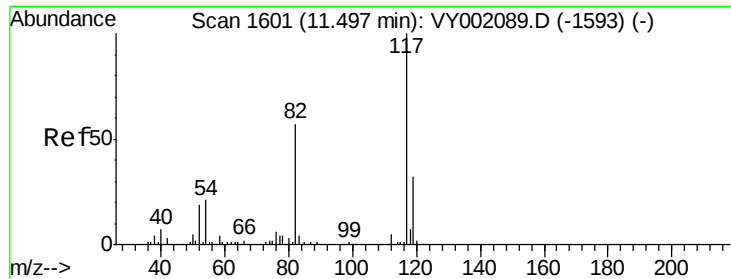
MMDadoda
 4/6/2020 11:30:16 AM



#62
 4-Bromofluorobenzene
 Concen: 48.666 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. 0.01 min
 Lab File: VY002224.D
 Acq: 03 Apr 2020 17:24

Tgt Ion	Ratio	Lower	Upper
95	100		
174	71.7	0.0	143.4
176	69.4	0.0	137.0





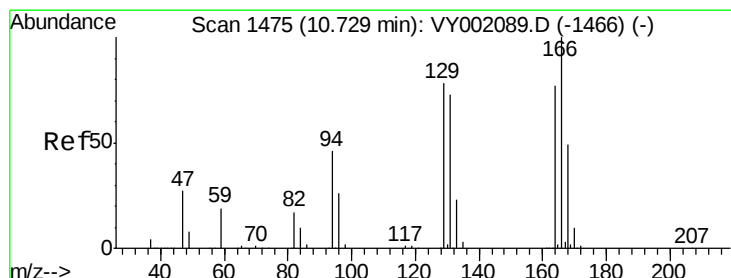
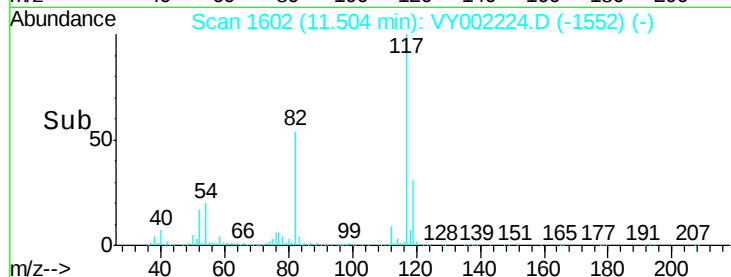
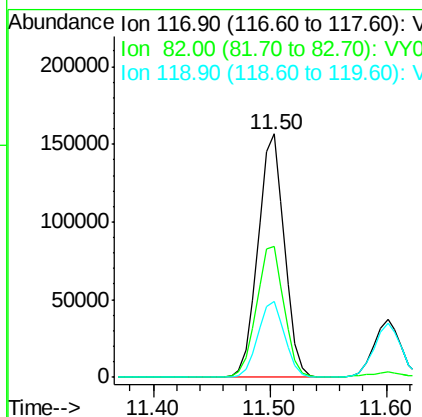
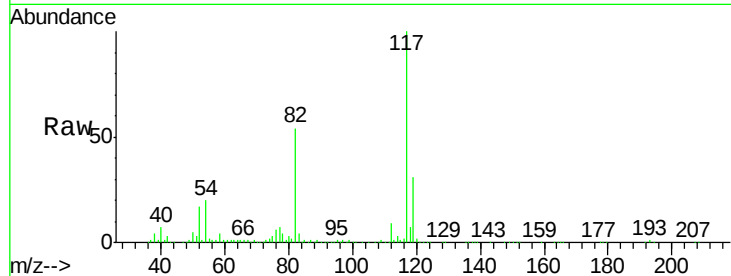
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.01 min
Lab File: VY002224.D
Acq: 03 Apr 2020 17:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	248058		
82	53.6		45.4	68.2
119	31.2		25.3	37.9

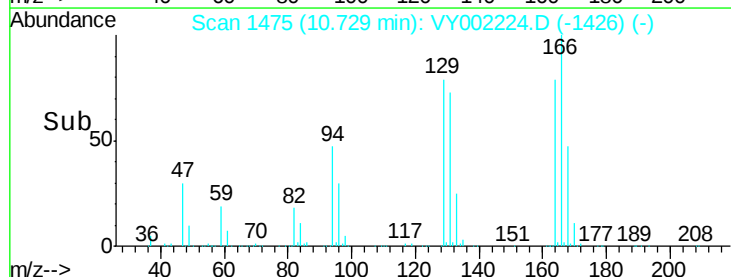
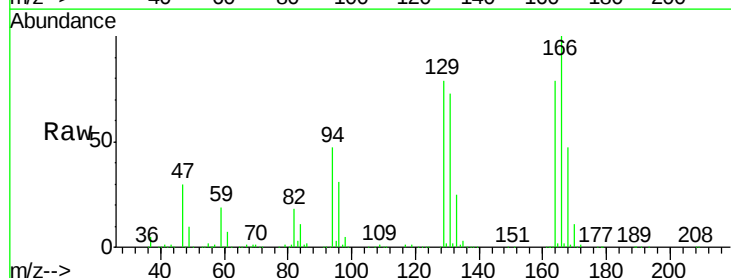
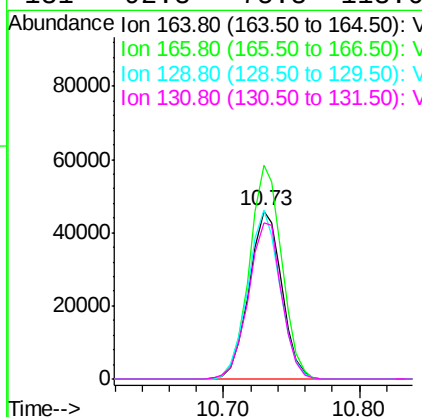
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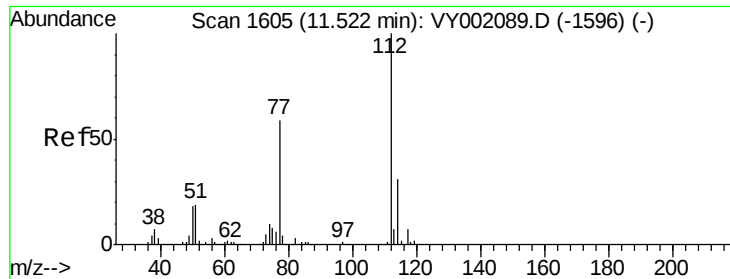
MMDadoda
4/6/2020 11:30:16 AM



#64
Tetrachloroethene
Concen: 51.063 ug/l
RT: 10.73 min Scan# 1475
Delta R.T. 0.00 min
Lab File: VY002224.D
Acq: 03 Apr 2020 17:24

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	77497		
166	127.0		104.0	156.0
129	100.7		81.2	121.8
131	92.8		75.8	113.6





#65

Chlorobenzene

Concen: 50.380 ug/l

RT: 11.53 min Scan# 1606

Delta R.T. 0.01 min

Lab File: VY002224.D

Acq: 03 Apr 2020 17:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 241235

Ion Ratio Lower Upper

112 100

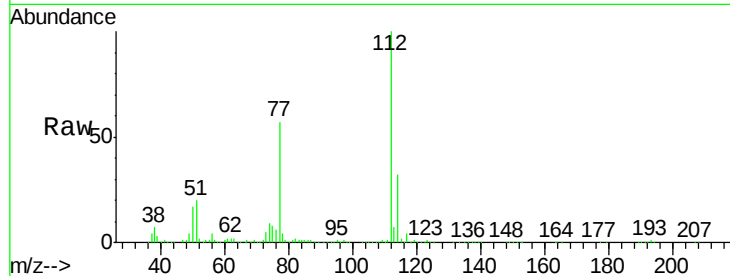
114 32.2 24.9 37.3

Manual Integrations

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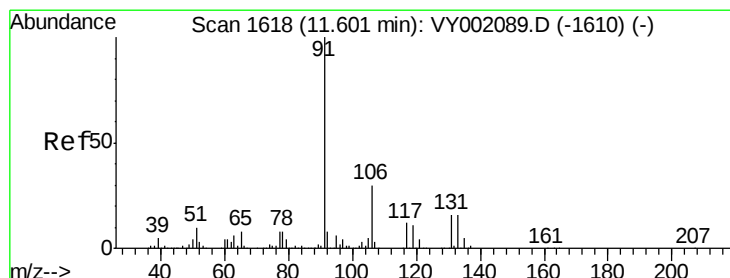
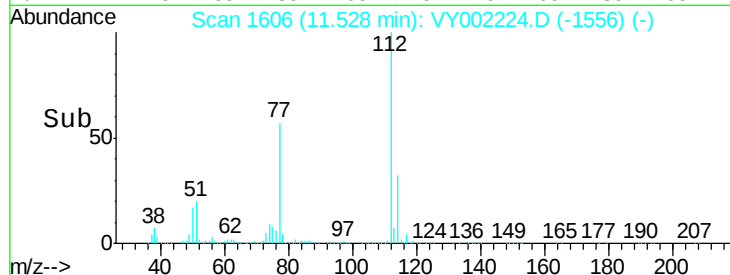
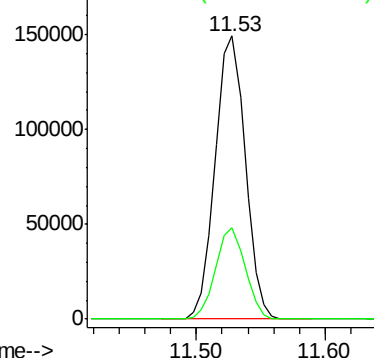
MMDadoda

4/6/2020 11:30:16 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 51.044 ug/l

RT: 11.60 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VY002224.D

Acq: 03 Apr 2020 17:24

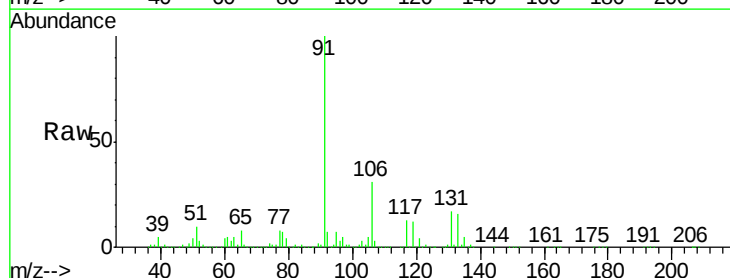
Tgt Ion:131 Resp: 81769

Ion Ratio Lower Upper

131 100

133 95.5 47.5 142.5

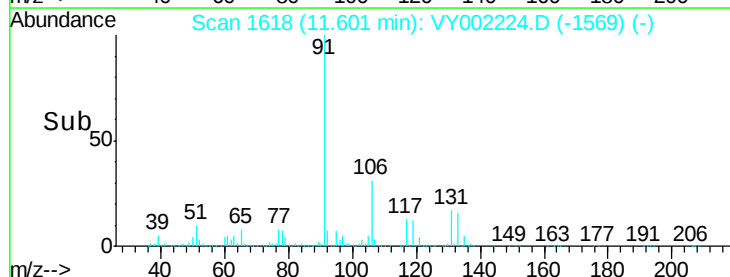
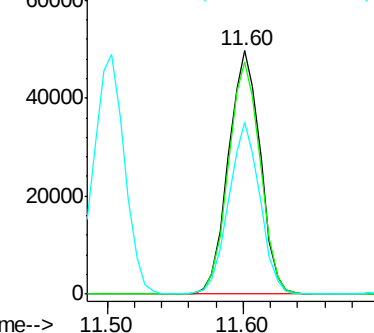
119 69.1 34.6 103.9

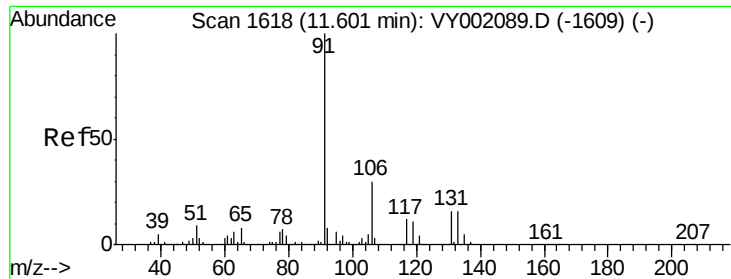


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





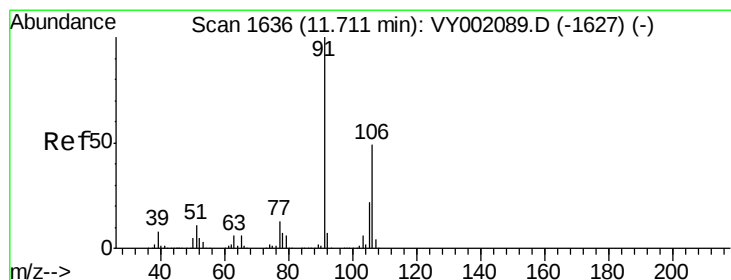
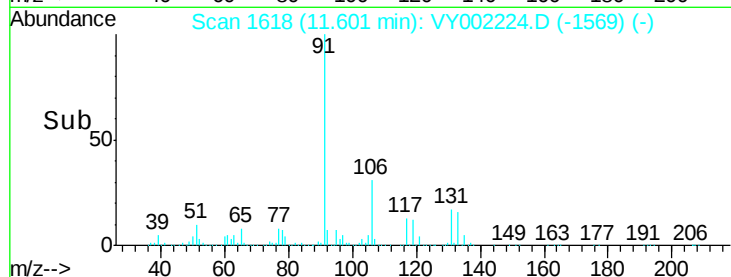
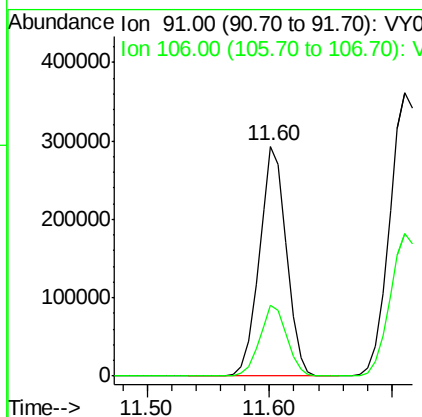
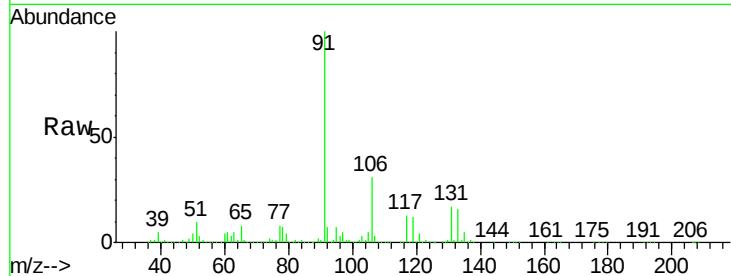
#67
Ethyl Benzene
Concen: 50.396 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VY002224.D
Acq: 03 Apr 2020 17:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 448178
Ion Ratio Lower Upper
91 100
106 30.8 24.1 36.1

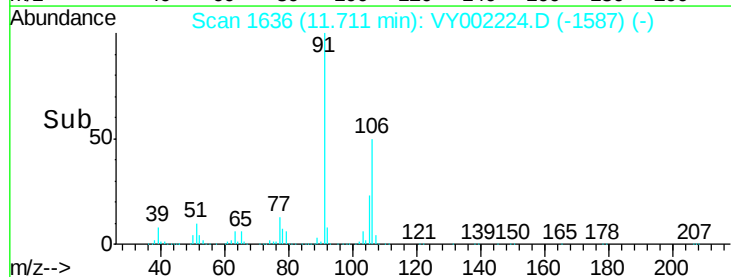
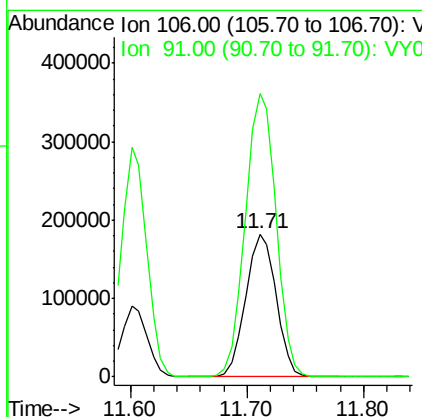
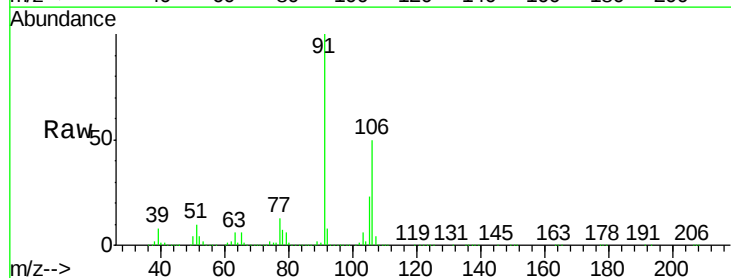
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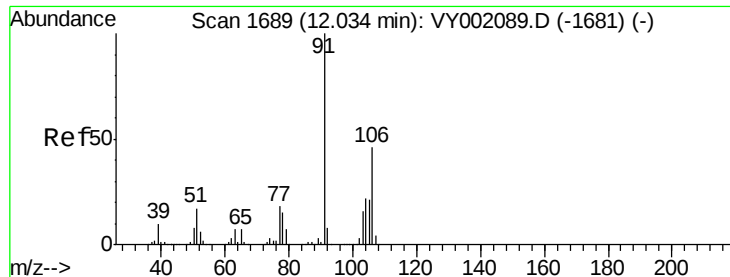
MMDadoda
4/6/2020 11:30:16 AM



#68
m/p-Xylenes
Concen: 100.985 ug/l
RT: 11.71 min Scan# 1636
Delta R.T. 0.00 min
Lab File: VY002224.D
Acq: 03 Apr 2020 17:24

Tgt Ion: 106 Resp: 332052
Ion Ratio Lower Upper
106 100
91 200.3 162.8 244.2





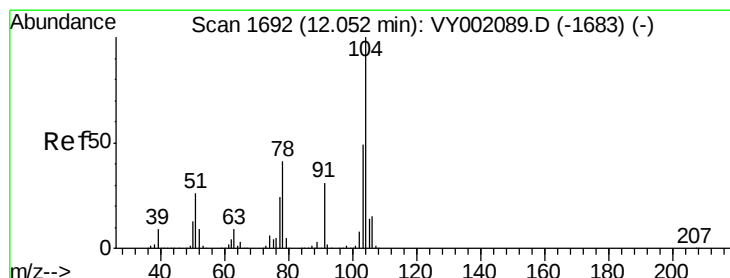
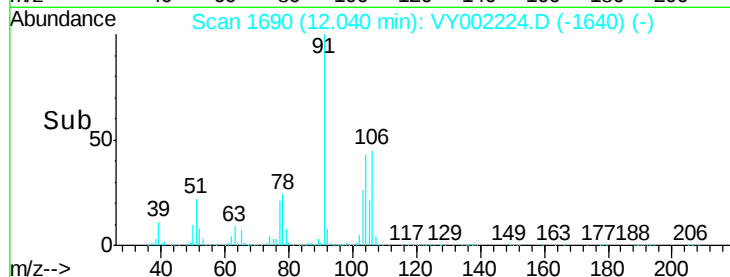
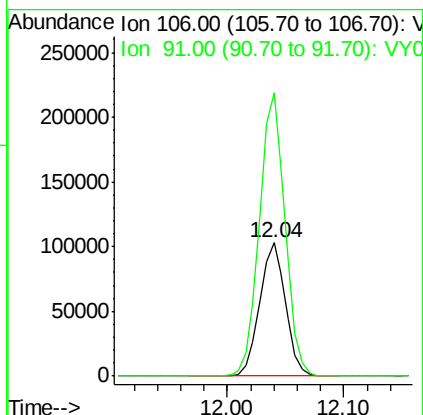
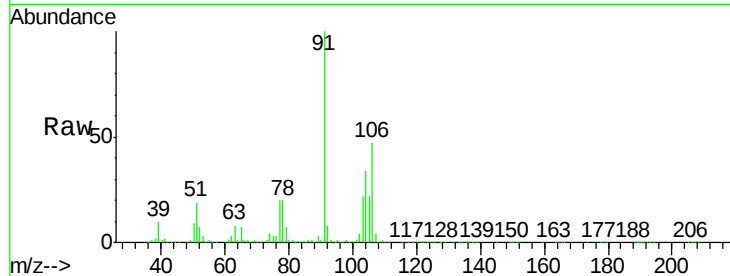
#69
o-Xylene
Concen: 50.851 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VY002224.D
Acq: 03 Apr 2020 17:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		158611		
91	210.7	107.3	321.8		

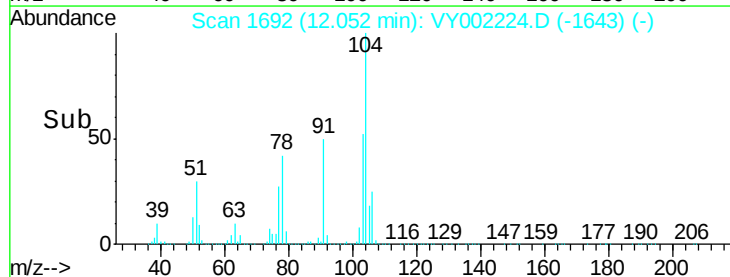
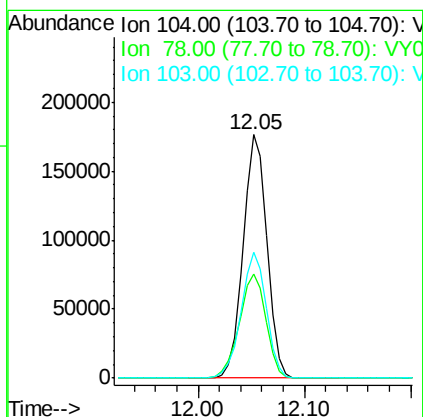
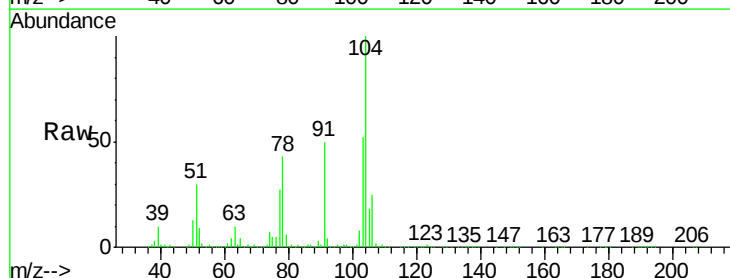
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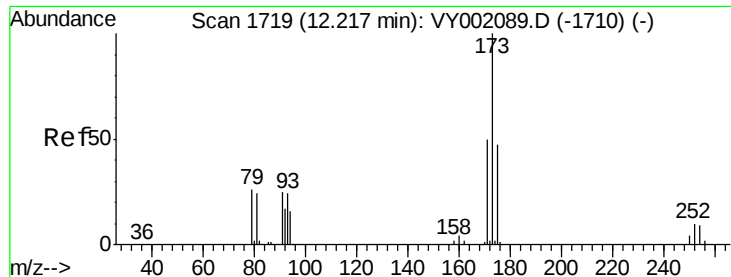
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#70
Styrene
Concen: 51.251 ug/l
RT: 12.05 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VY002224.D
Acq: 03 Apr 2020 17:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		277009		
78	47.6	37.9	56.9		
103	54.8	43.2	64.8		





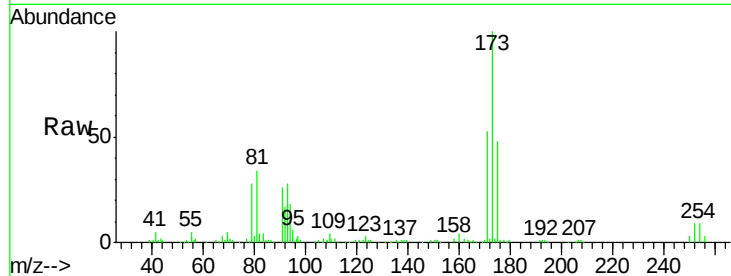
#71
Bromoform
Concen: 53.496 ug/l
RT: 12.22 min Scan# 1719
Delta R.T. 0.00 min
Lab File: VY002224.D
Acq: 03 Apr 2020 17:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

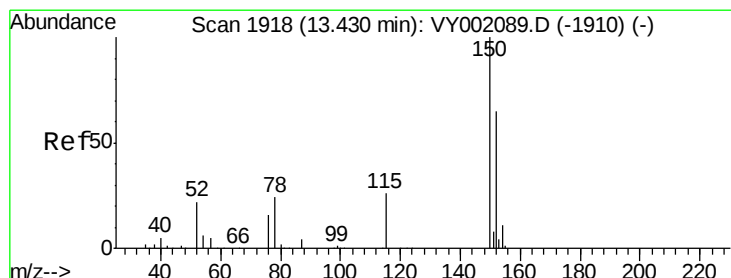
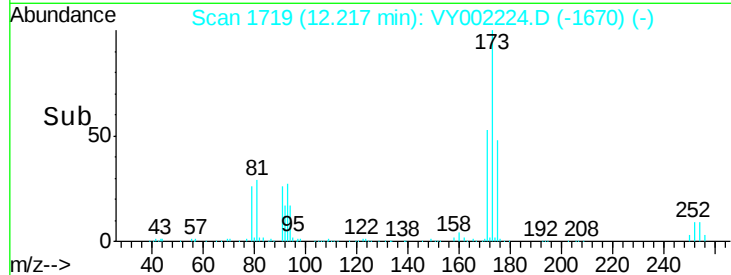
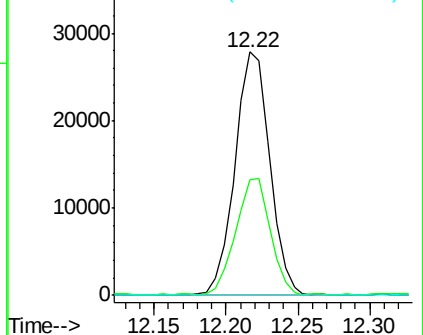
Tot Ion	Ratio	Lower	Upper
173	100		
175	46.9	23.9	71.8
254	0.0	0.0	0.0

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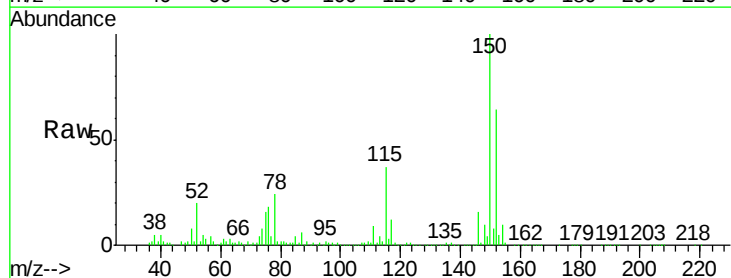


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

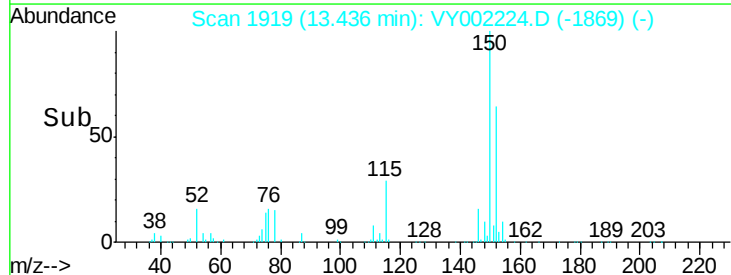
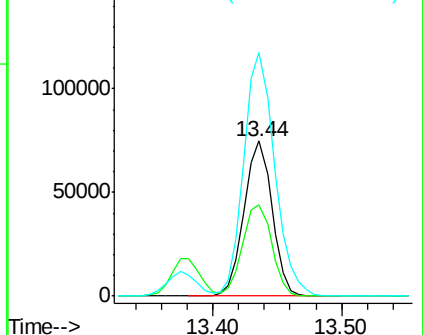


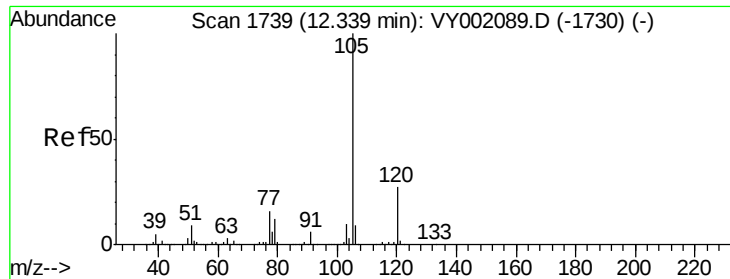
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1919
Delta R.T. 0.01 min
Lab File: VY002224.D
Acq: 03 Apr 2020 17:24

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.4	31.2	93.6
150	174.0	0.0	354.8



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: 50.601 ug/l

RT: 12.34 min Scan# 1739

Delta R.T. 0.00 min

Lab File: VY002224.D

Acq: 03 Apr 2020 17:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 419356

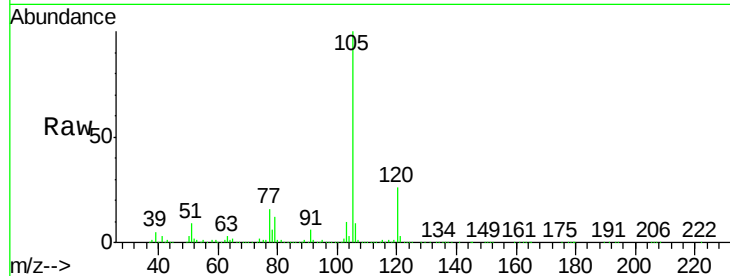
Ion Ratio Lower Upper

105 100

120 26.6 13.3 39.8

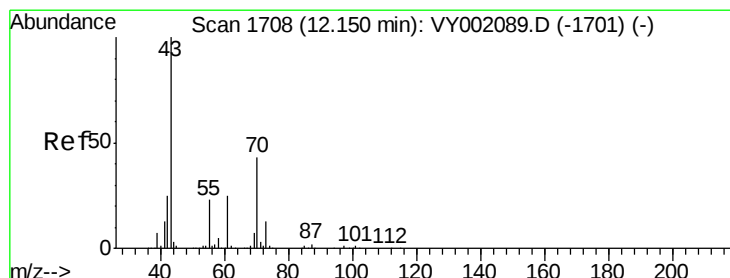
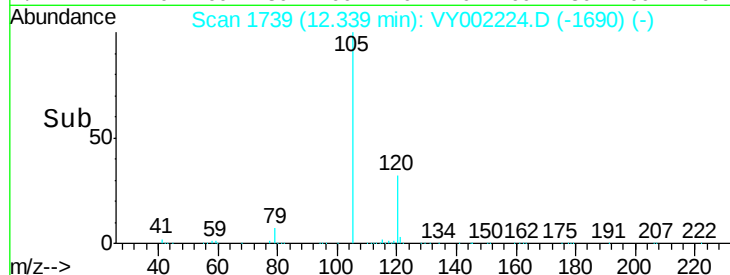
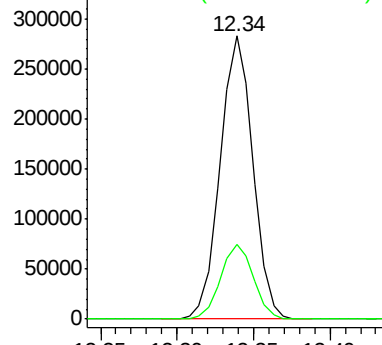
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 49.549 ug/l

RT: 12.15 min Scan# 1708

Delta R.T. 0.00 min

Lab File: VY002224.D

Acq: 03 Apr 2020 17:24

Tgt Ion: 43 Resp: 129512

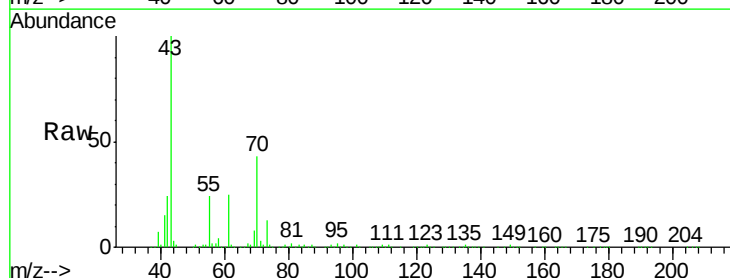
Ion Ratio Lower Upper

43 100

70 45.6 35.0 52.4

55 24.3 18.7 28.1

61 25.7 20.2 30.2

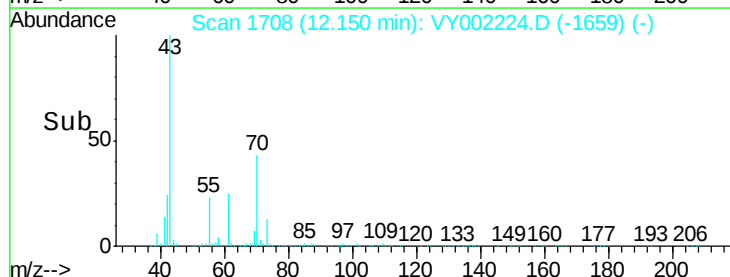
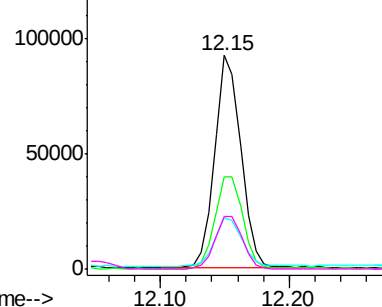


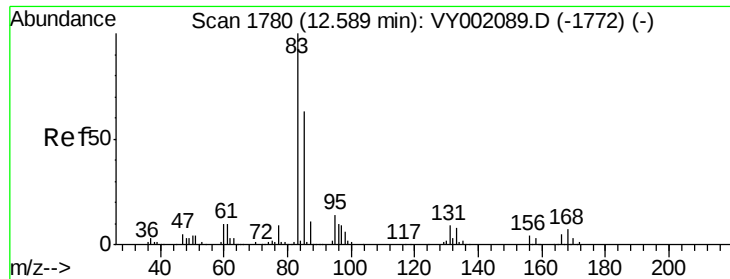
Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0





#75

1,1,2,2-Tetrachloroethane

Concen: 52.545 ug/l

RT: 12.59 min Scan# 1781

Delta R.T. 0.01 min

Lab File: VY002224.D

Acq: 03 Apr 2020 17:24

Instrument :

MSVOA_Y

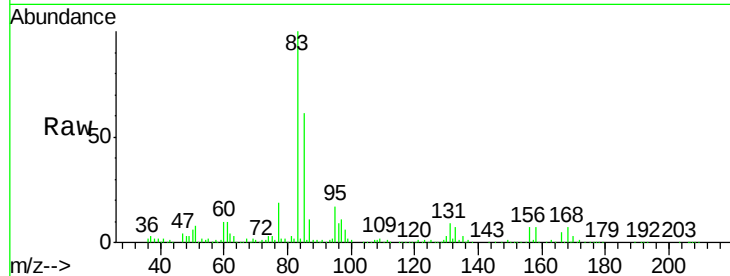
ClientSampleId :

VSTDCCC050EC

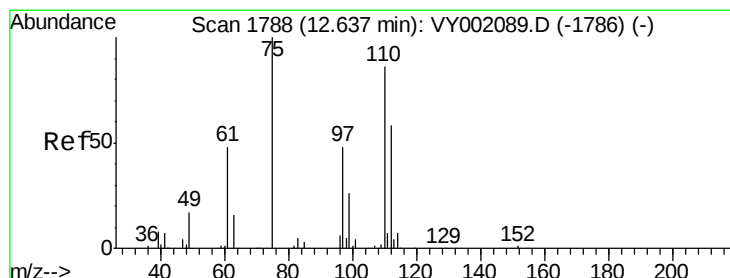
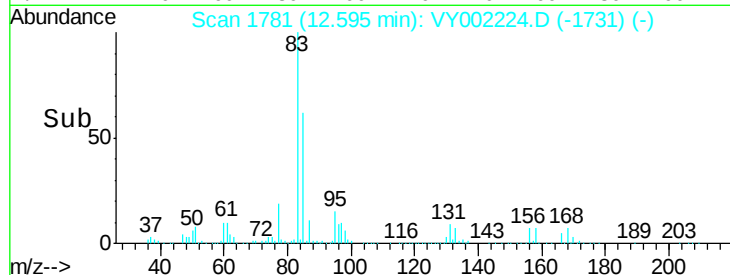
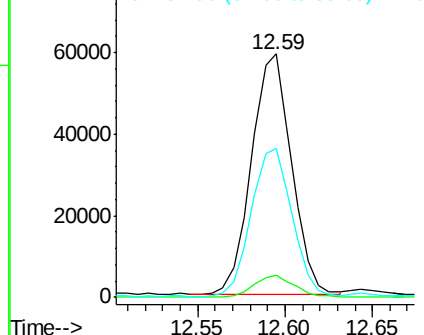
Tot Ion:	83	Resp:	93707
Ion Ratio	Lower	Upper	
83	100		
131	9.8	4.7	14.1
85	62.6	32.4	97.0

Manual Integrations
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MMDadoda
4/6/2020 11:30:16 AM



Abundance Ion 82.90 (82.60 to 83.60): VY0
Ion 130.80 (130.50 to 131.50): VY0
Ion 84.90 (84.60 to 85.60): VY0



#76

1,2,3-Trichloropropane

Concen: 47.517 ug/l m

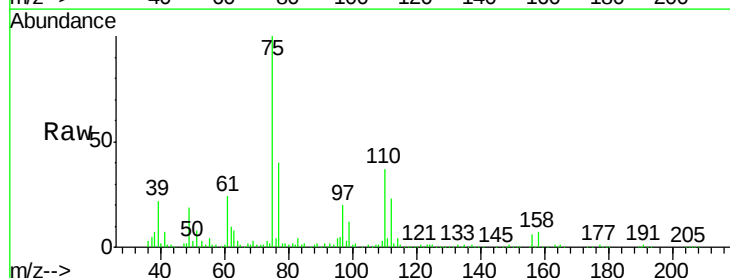
RT: 12.64 min Scan# 1789

Delta R.T. 0.01 min

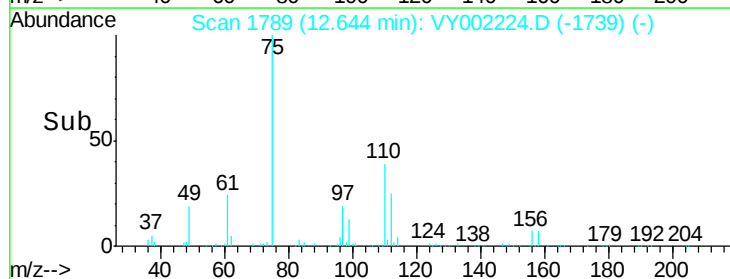
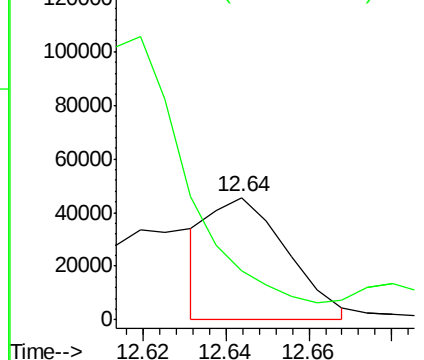
Lab File: VY002224.D

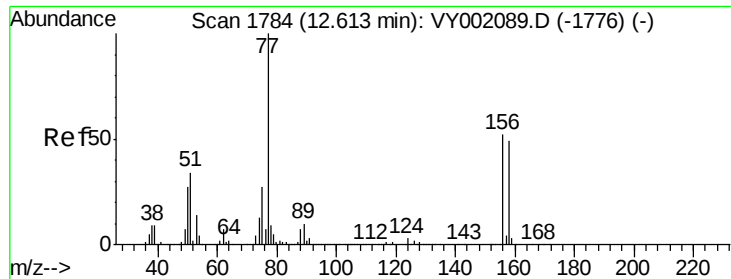
Acq: 03 Apr 2020 17:24

Tgt Ion:	75	Resp:	59382
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VY0
Ion 77.00 (76.70 to 77.70): VY0





#77

Bromobenzene

Concen: 51.268 ug/l

RT: 12.62 min Scan# 1785

Delta R.T. 0.01 min

Lab File: VY002224.D

Acq: 03 Apr 2020 17:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 90701

Ion Ratio Lower Upper

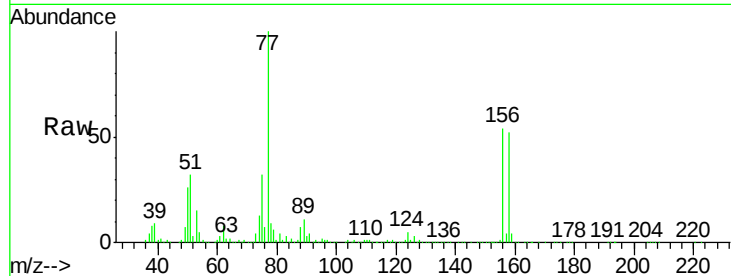
156 100

77 211.2 107.8 323.6

158 98.1 47.5 142.6

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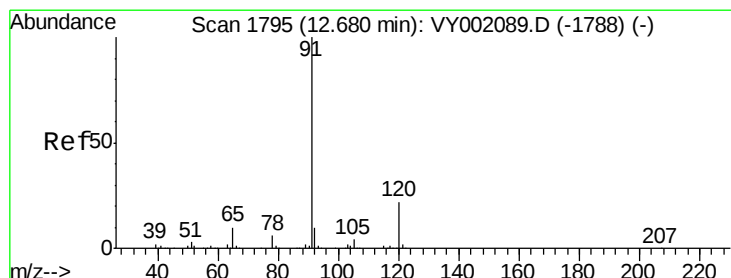
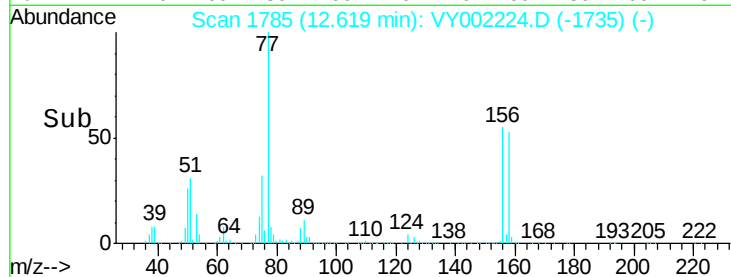
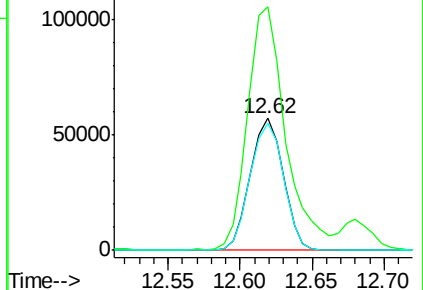
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.389 ug/l

RT: 12.68 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VY002224.D

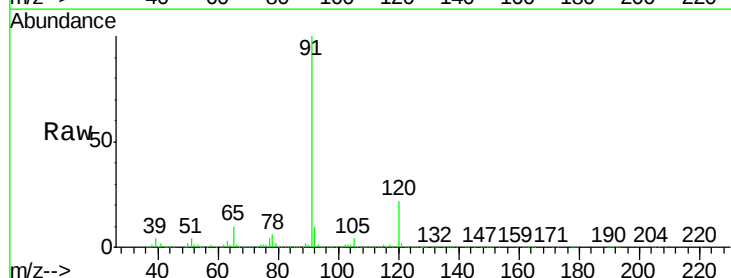
Acq: 03 Apr 2020 17:24

Tgt Ion: 91 Resp: 518231

Ion Ratio Lower Upper

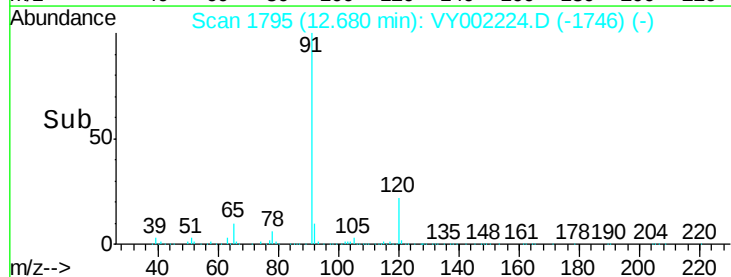
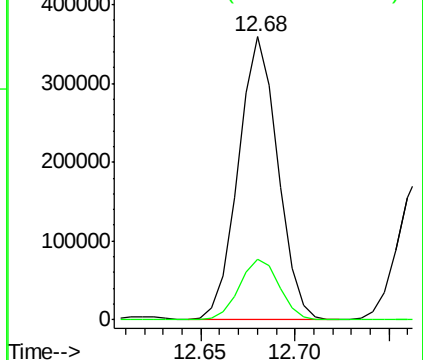
91 100

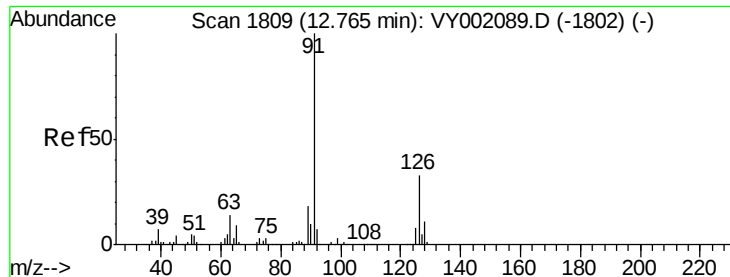
120 22.0 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.384 ug/l

RT: 12.77 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VY002224.D

Acq: 03 Apr 2020 17:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 284512

Ion Ratio Lower Upper

91 100

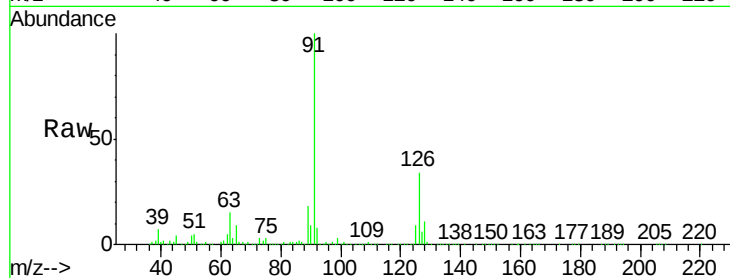
126 33.8 16.4 49.1

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Abundance Ion 91.00 (90.70 to 91.70): VY002089.D (-1802) (-)

Ion 125.90 (125.60 to 126.60): VY002089.D (-1802) (-)

300000

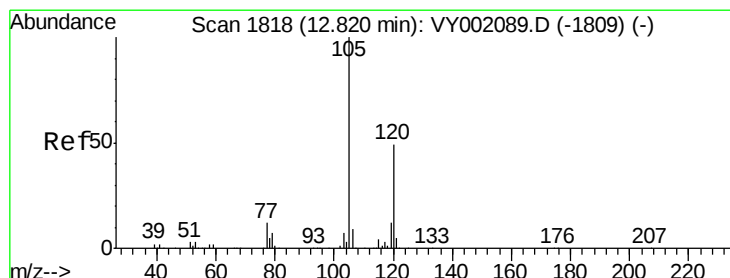
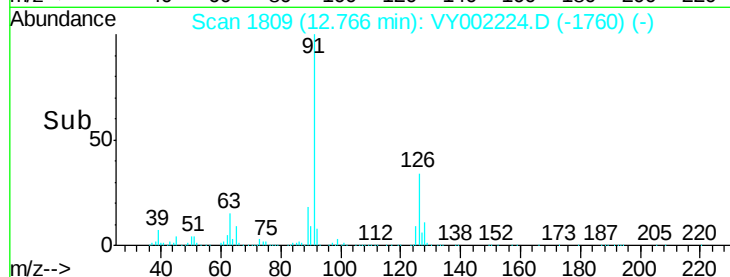
200000

100000

0

12.70 12.75 12.80

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 50.942 ug/l

RT: 12.82 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VY002224.D

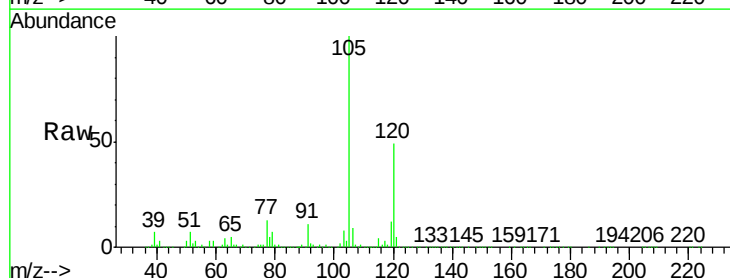
Acq: 03 Apr 2020 17:24

Tgt Ion: 105 Resp: 348318

Ion Ratio Lower Upper

105 100

120 48.9 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VY002089.D (-1809) (-)

Ion 120.00 (119.70 to 120.70): VY002089.D (-1809) (-)

250000

200000

150000

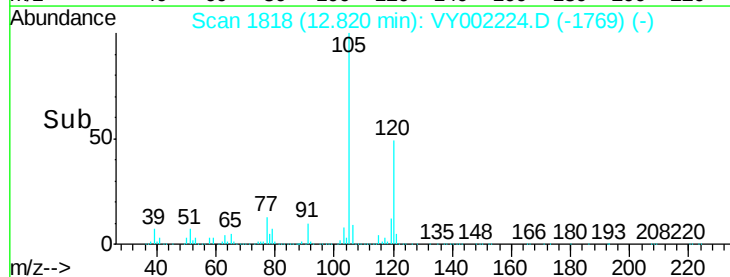
100000

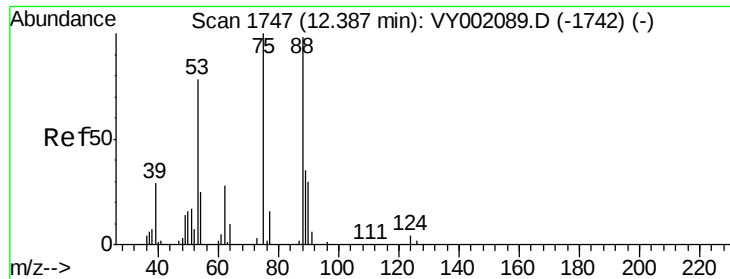
50000

0

12.75 12.80 12.85 12.90

Time-->





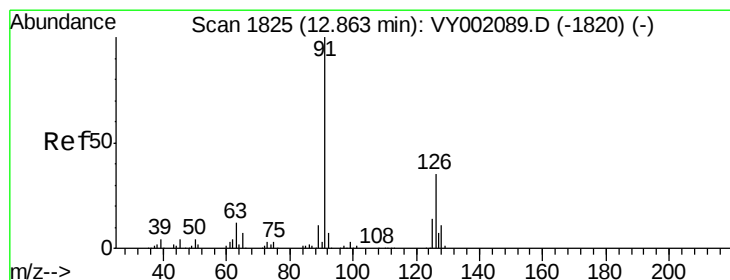
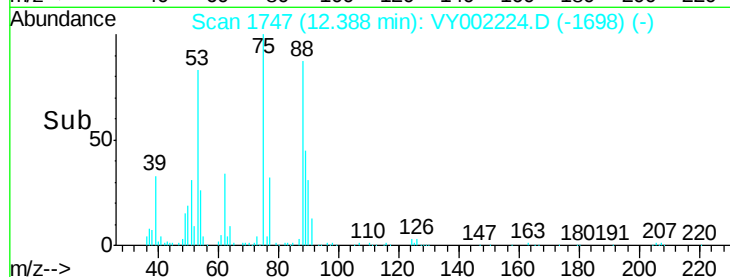
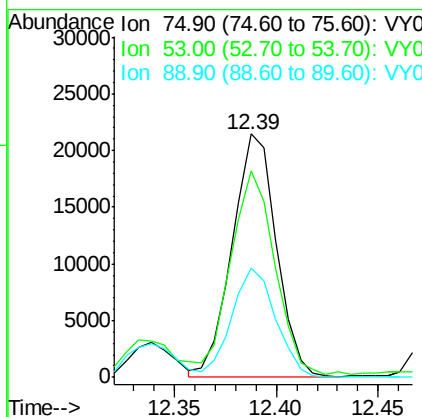
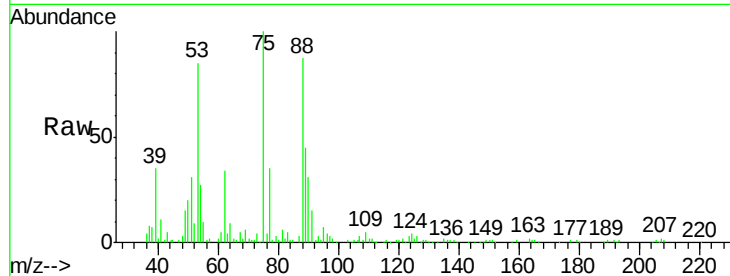
#81
trans-1,4-Dichloro-2-butene
Concen: 49.744 ug/l
RT: 12.39 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VY002224.D
Acq: 03 Apr 2020 17:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	82.8	65.0	97.4
89	44.8	33.4	50.0

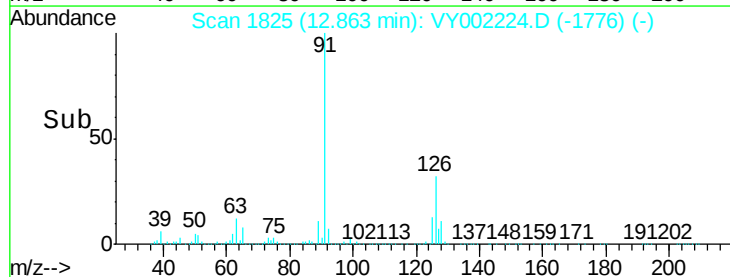
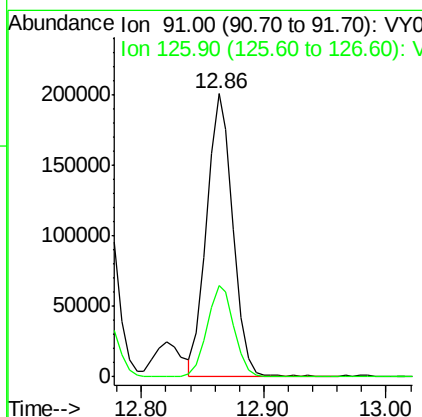
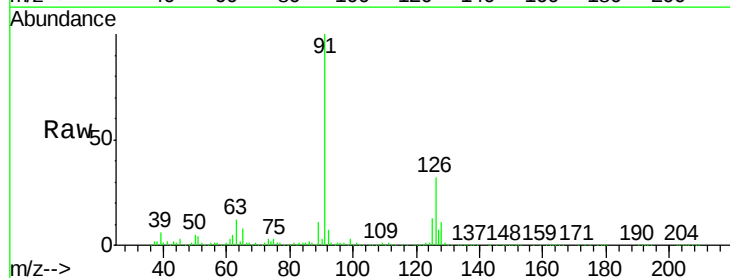
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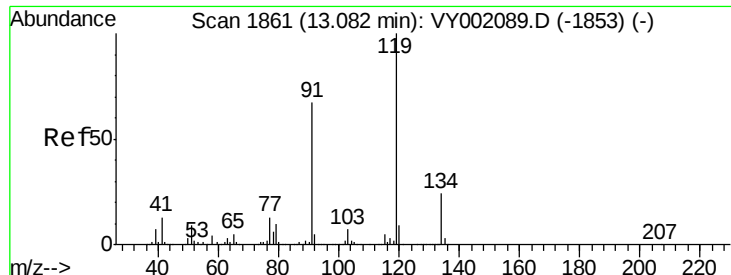
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#82
4-Chlorotoluene
Concen: 49.750 ug/l
RT: 12.86 min Scan# 1825
Delta R.T. 0.00 min
Lab File: VY002224.D
Acq: 03 Apr 2020 17:24

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.7	16.3	48.9





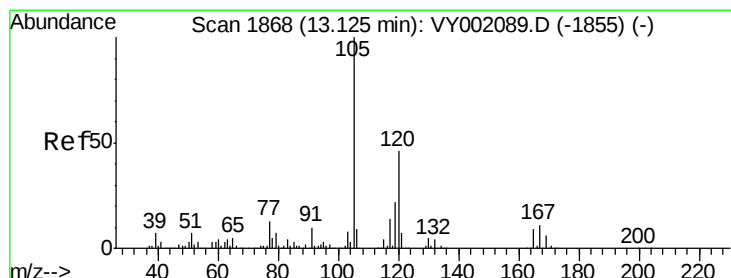
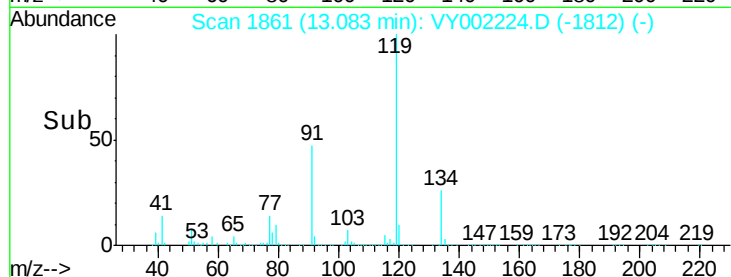
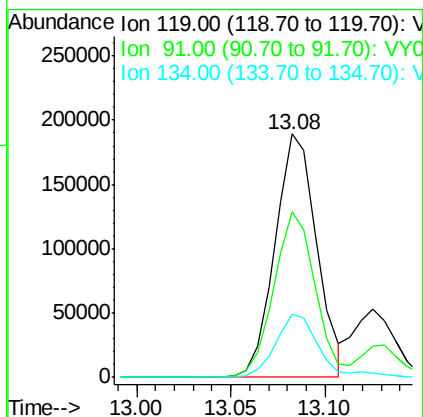
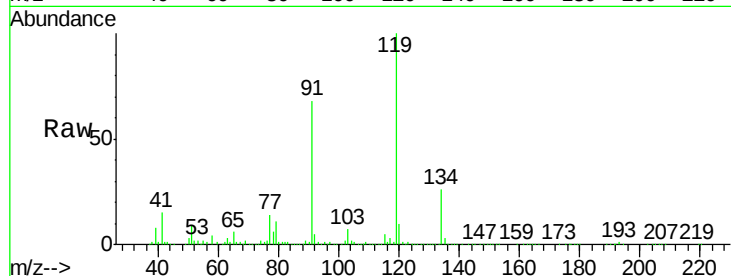
#83
tert-Butylbenzene
Concen: 50.868 ug/l
RT: 13.08 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VY002224.D
Acq: 03 Apr 2020 17:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.1	32.9	98.6
134	27.2	13.0	38.9

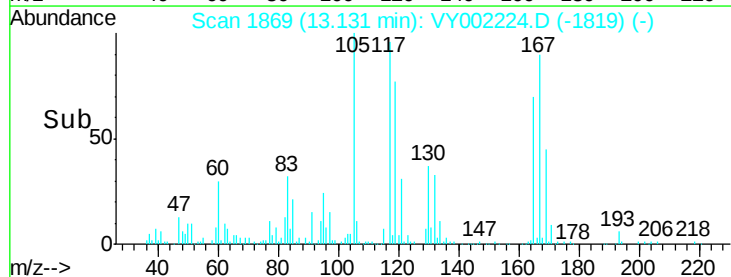
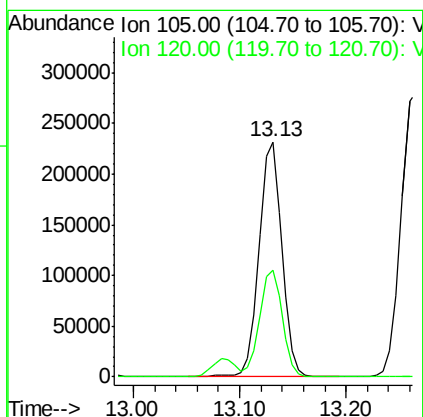
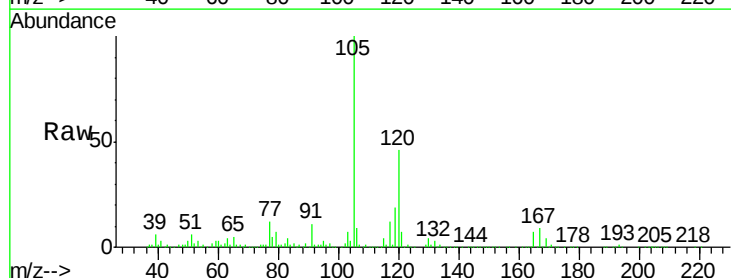
Manual Integrations
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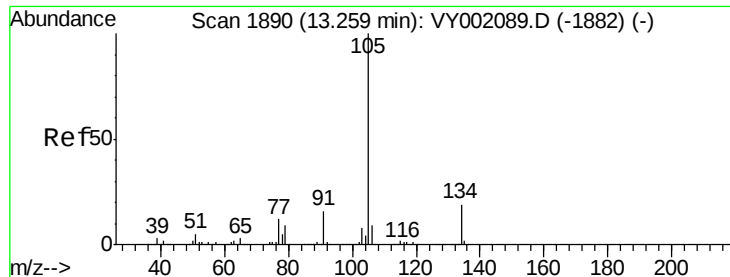
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#84
1,2,4-Trimethylbenzene
Concen: 50.934 ug/l
RT: 13.13 min Scan# 1869
Delta R.T. 0.01 min
Lab File: VY002224.D
Acq: 03 Apr 2020 17:24

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.6	22.9	68.5





#85

sec-Butylbenzene

Concen: 50.584 ug/l

RT: 13.27 min Scan# 1891

Delta R.T. 0.01 min

Lab File: VY002224.D

Acq: 03 Apr 2020 17:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 427609

Ion Ratio Lower Upper

105 100

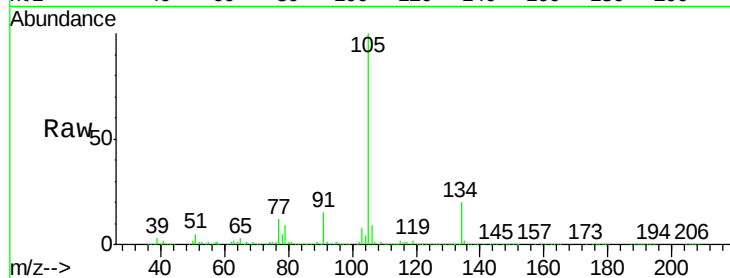
134 19.5 9.7 29.1

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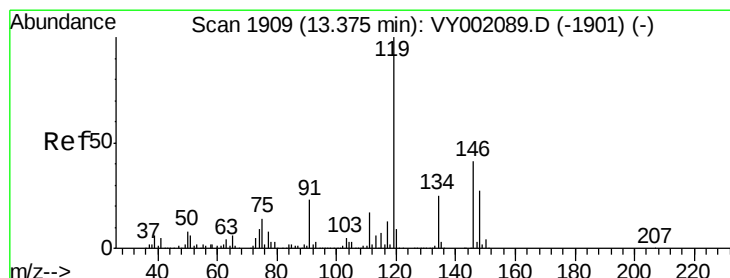
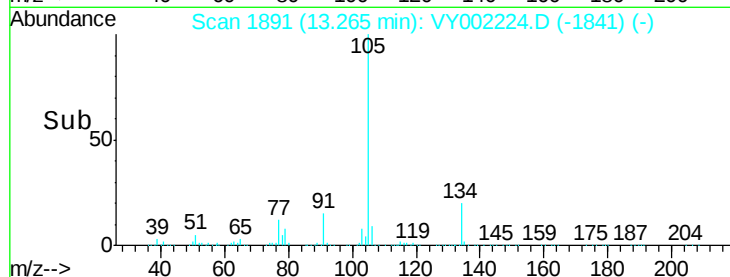
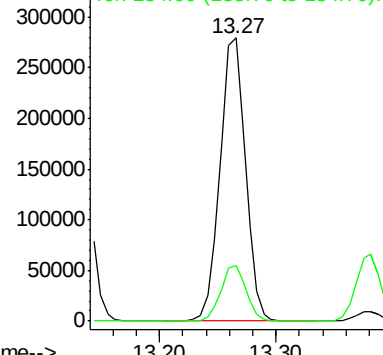
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 51.387 ug/l

RT: 13.38 min Scan# 1910

Delta R.T. 0.01 min

Lab File: VY002224.D

Acq: 03 Apr 2020 17:24

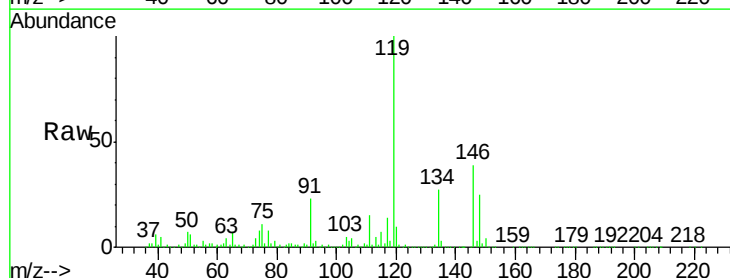
Tgt Ion:119 Resp: 373043

Ion Ratio Lower Upper

119 100

134 26.1 13.1 39.3

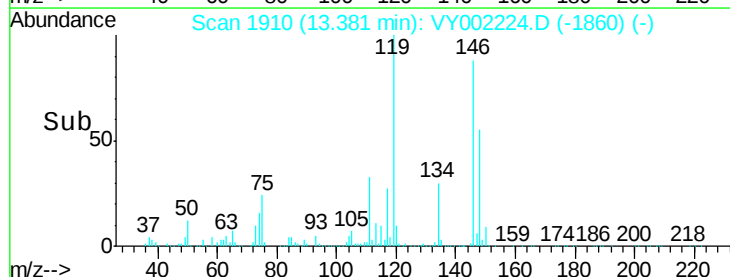
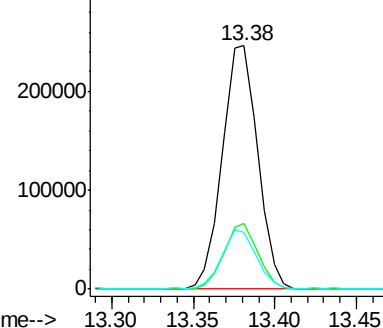
91 23.3 11.8 35.3

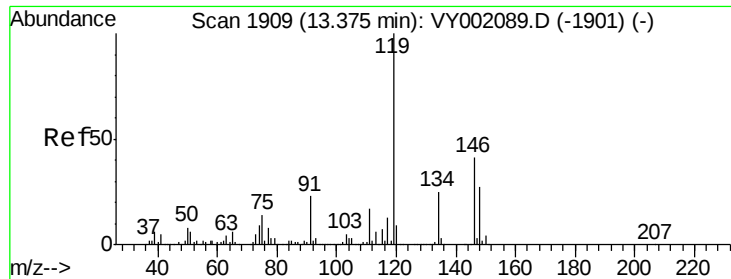


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0





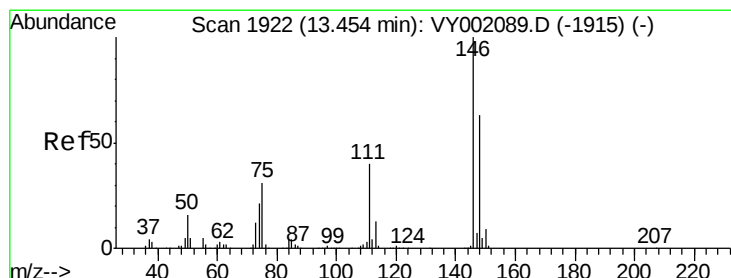
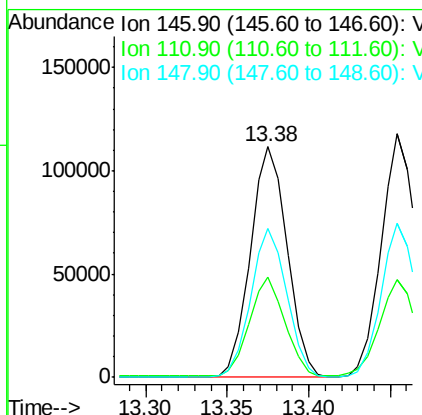
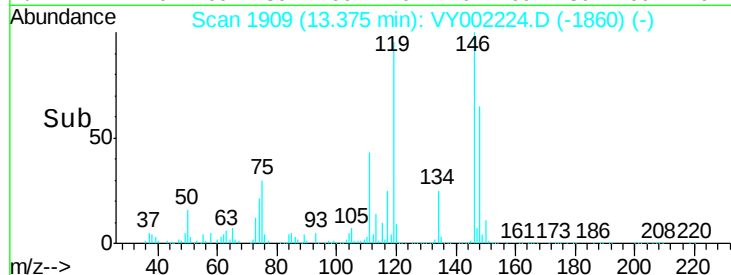
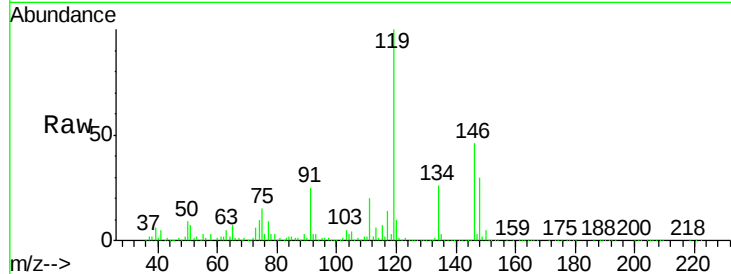
#87
 1,3-Dichlorobenzene
 Concen: 50.580 ug/l
 RT: 13.38 min Scan# 1909
 Delta R.T. 0.00 min
 Lab File: VY002224.D
 Acq: 03 Apr 2020 17:24

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.9	62.8
148	63.0	32.1	96.5

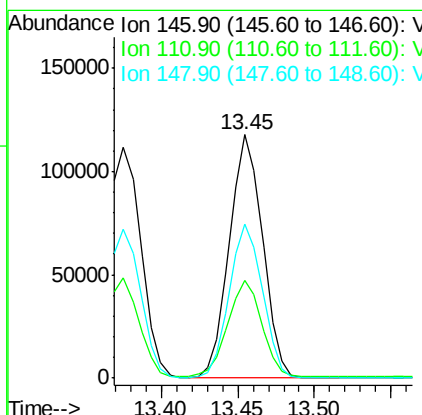
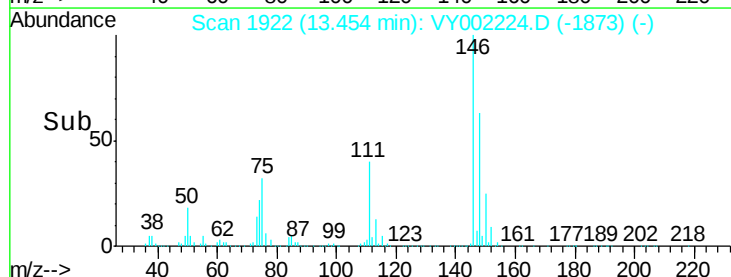
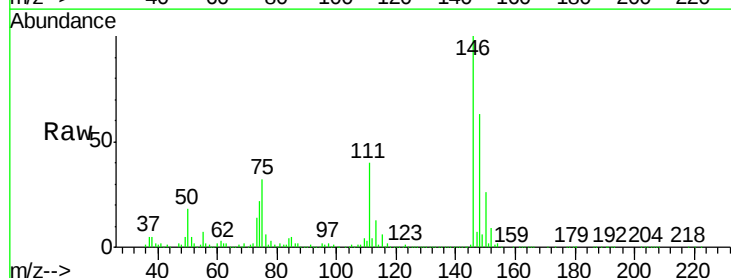
Manual Integrations
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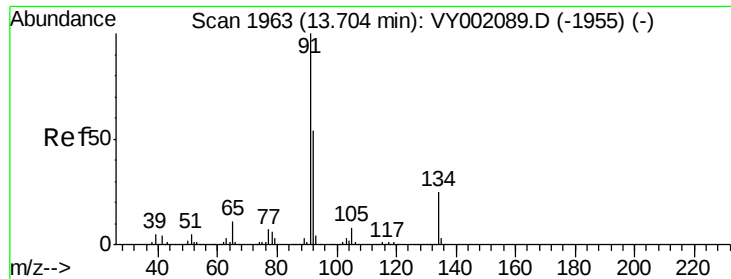
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#88
 1,4-Dichlorobenzene
 Concen: 51.143 ug/l
 RT: 13.45 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VY002224.D
 Acq: 03 Apr 2020 17:24

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.3	60.9
148	63.0	31.5	94.5





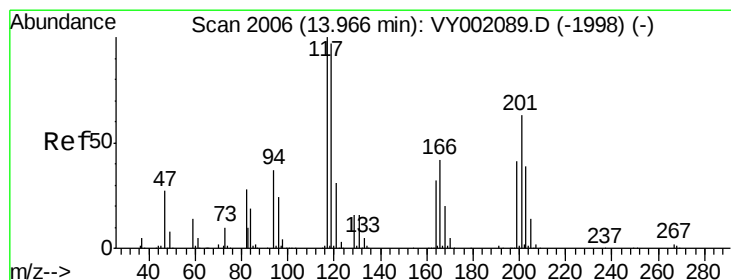
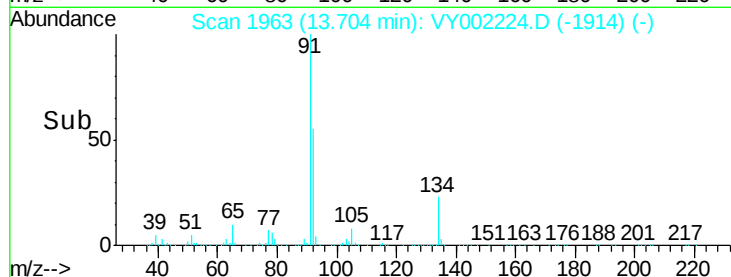
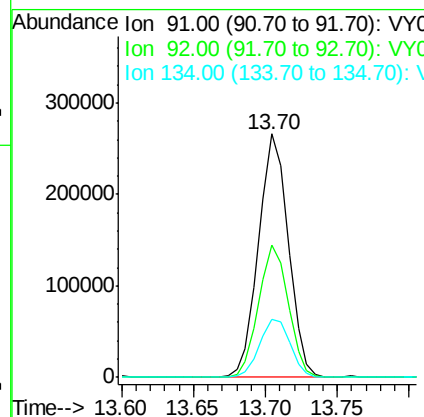
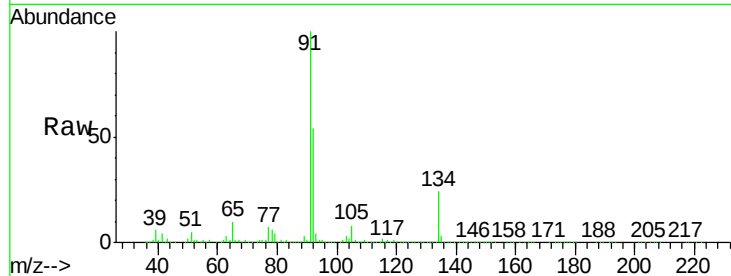
#89
n-Butylbenzene
Concen: 49.889 ug/l
RT: 13.70 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VY002224.D
Acq: 03 Apr 2020 17:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.5	27.0	81.0
134	24.8	12.3	36.8

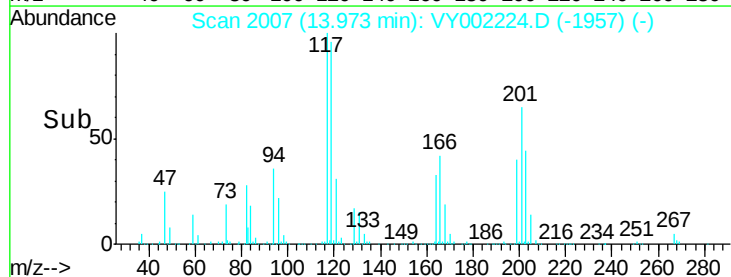
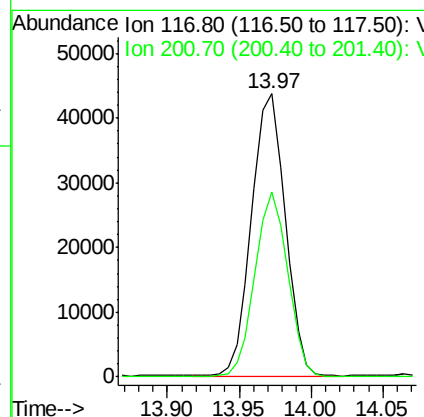
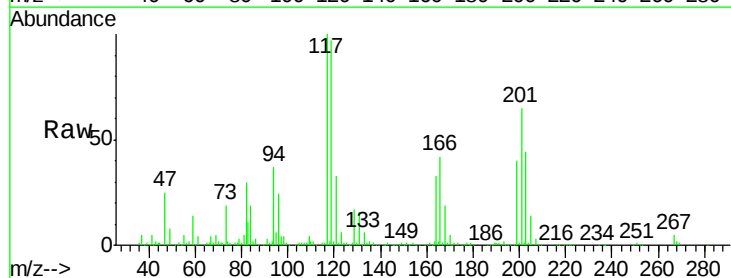
Manual Integrations
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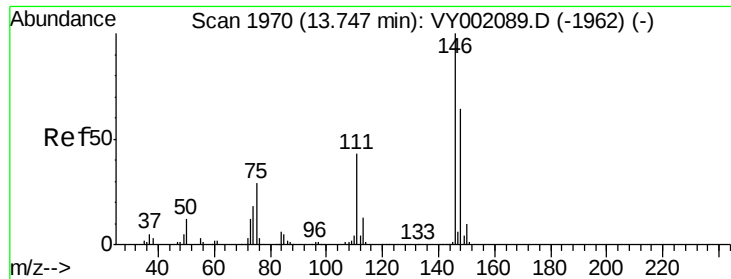
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4/6/2020 11:30:16 AM



#90
Hexachloroethane
Concen: 51.763 ug/l
RT: 13.97 min Scan# 2007
Delta R.T. 0.01 min
Lab File: VY002224.D
Acq: 03 Apr 2020 17:24

Tgt Ion	Ratio	Lower	Upper
117	100		
201	63.7	31.6	94.8





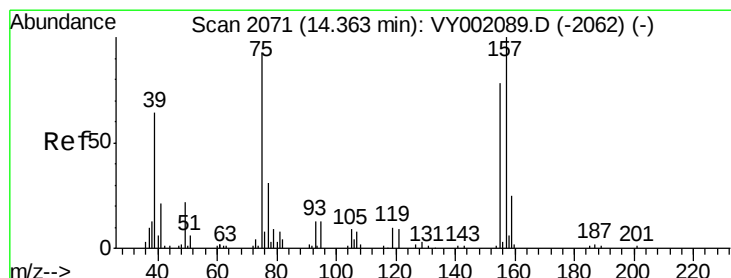
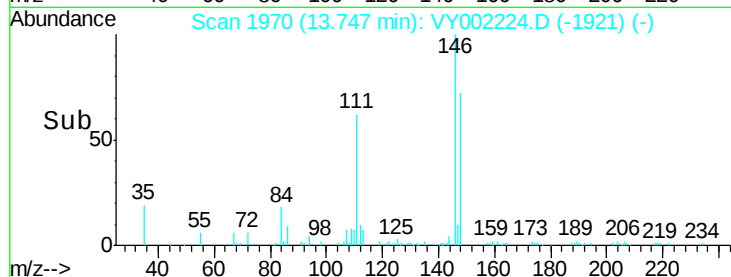
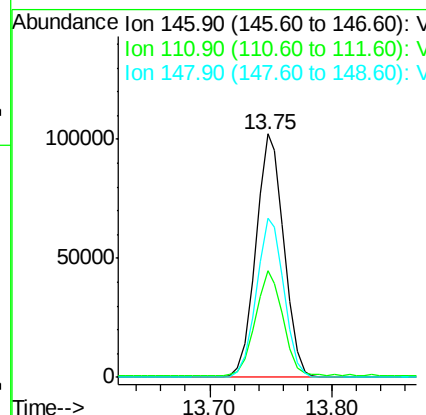
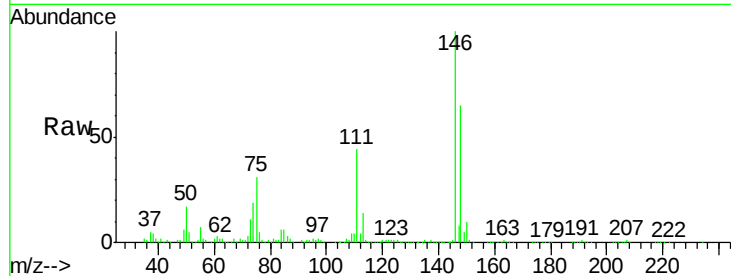
#91
 1,2-Dichlorobenzene
 Concen: 50.783 ug/l
 RT: 13.75 min Scan# 1970
 Delta R.T. 0.00 min
 Lab File: VY002224.D
 Acq: 03 Apr 2020 17:24

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.3	63.7
148	64.3	31.8	95.4

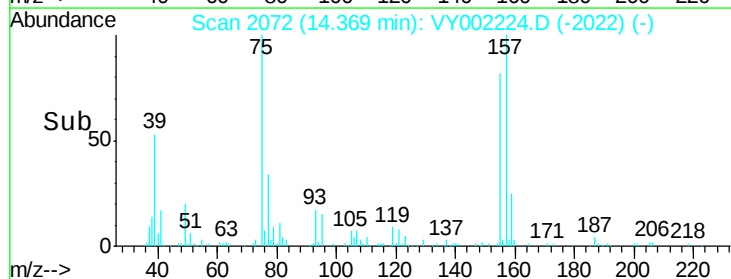
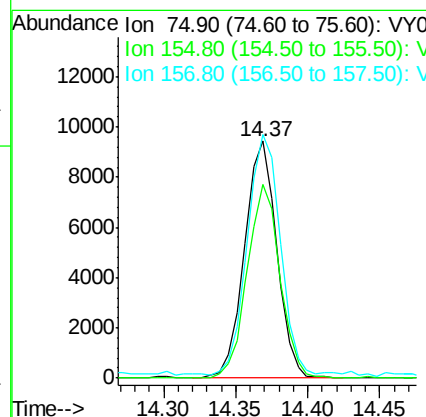
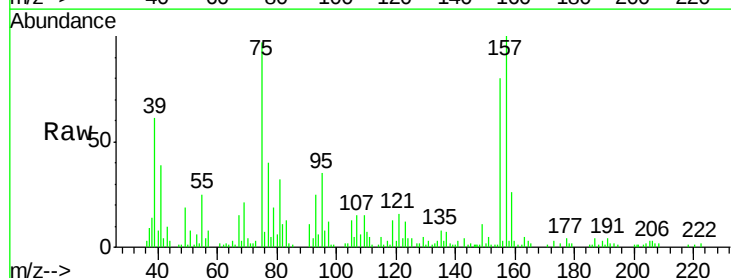
Manual Integrations
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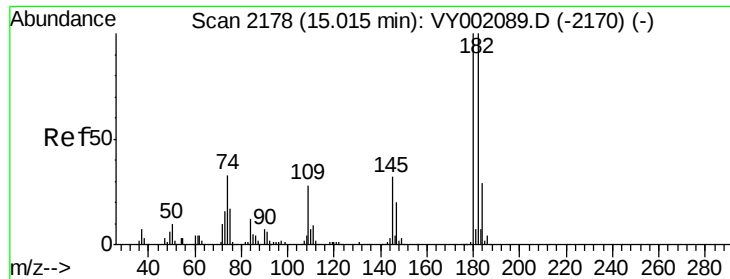
MMDadoda
 4/6/2020 11:30:16 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.102 ug/l
 RT: 14.37 min Scan# 2072
 Delta R.T. 0.01 min
 Lab File: VY002224.D
 Acq: 03 Apr 2020 17:24

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.6	41.6	124.9
157	104.2	53.4	160.3





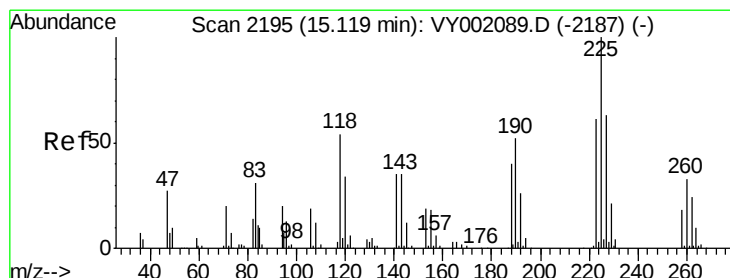
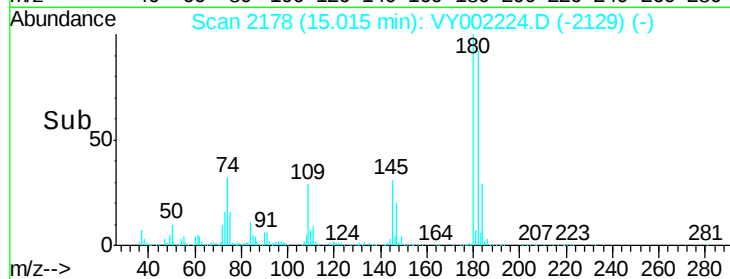
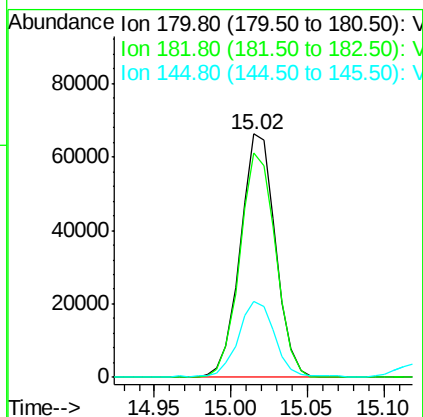
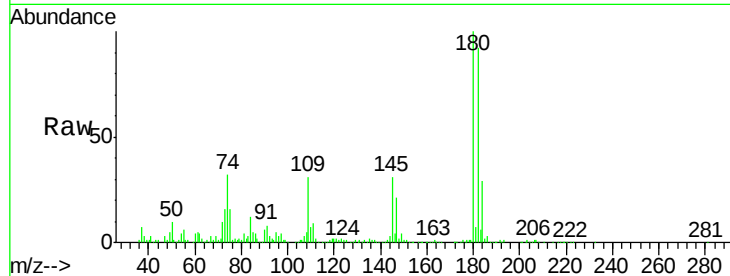
#93
 1,2,4-Trichlorobenzene
 Concen: 51.254 ug/l
 RT: 15.02 min Scan# 2178
 Delta R.T. 0.00 min
 Lab File: VY002224.D
 Acq: 03 Apr 2020 17:24

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	93.5	48.1	144.3	
145	31.4	15.9	47.6	

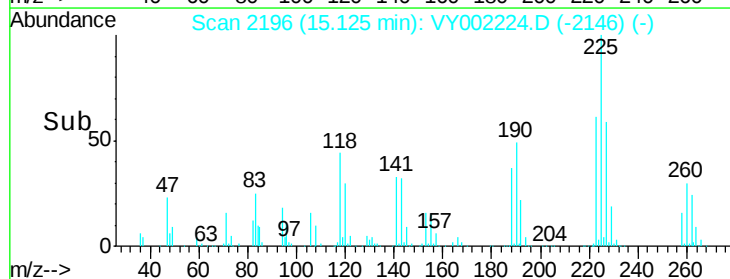
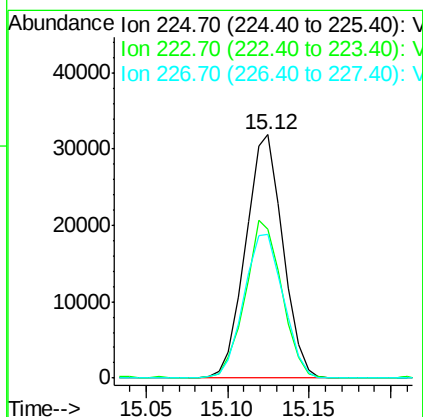
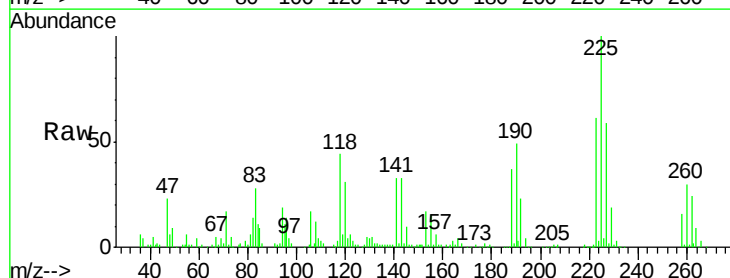
Manual Integrations
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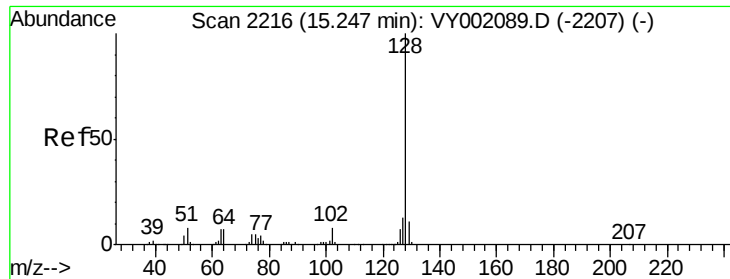
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#94
 Hexachlorobutadiene
 Concen: 49.685 ug/l
 RT: 15.12 min Scan# 2196
 Delta R.T. 0.01 min
 Lab File: VY002224.D
 Acq: 03 Apr 2020 17:24

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.6	31.1	93.3	
227	62.8	31.6	94.7	





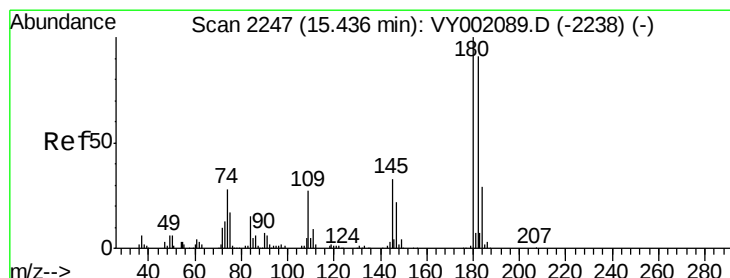
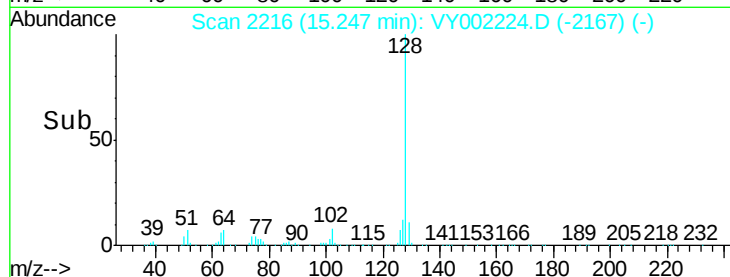
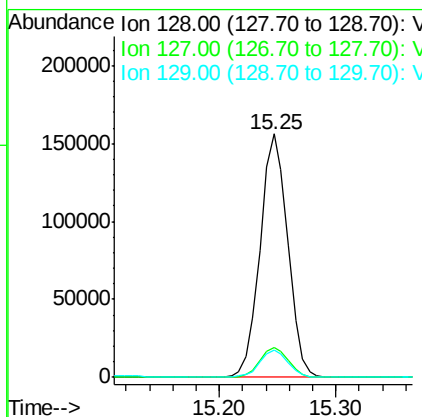
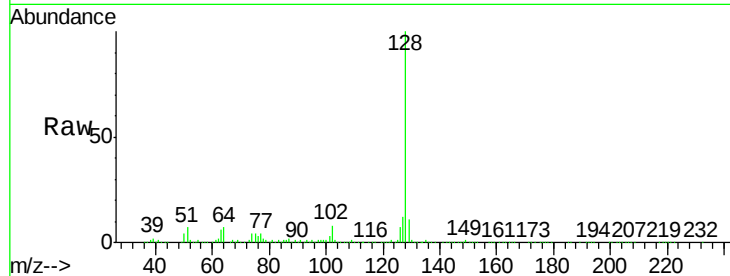
#95
Naphthalene
Concen: 52.279 ug/l
RT: 15.25 min Scan# 2216
Delta R.T. 0.00 min
Lab File: VY002224.D
Acq: 03 Apr 2020 17:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
128	100	255800		
127	12.6		9.8	14.8
129	11.1		8.6	13.0

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 49.829 ug/l
RT: 15.44 min Scan# 2247
Delta R.T. 0.00 min
Lab File: VY002224.D
Acq: 03 Apr 2020 17:24

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	93086		
182	95.0		46.8	140.3
145	34.2		16.7	50.1

