

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY033120\
 Data File : VY002150.D
 Acq On : 31 Mar 2020 21:34
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/1/2020 7:29:36 PM

Quant Time: Apr 01 06:55:18 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	149576	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.72	114	281240	50.00	ug/l	0.01
63) Chlorobenzene-d5	11.51	117	253479	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.44	152	116088	50.00	ug/l	0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.17	65	79853	48.29	ug/l	0.01
Spiked Amount	50.000		Recovery	=	96.58%	
35) Dibromofluoromethane	7.75	113	74658	47.38	ug/l	0.02
Spiked Amount	50.000		Recovery	=	94.76%	
50) Toluene-d8	10.20	98	309507	47.28	ug/l	0.01
Spiked Amount	50.000		Recovery	=	94.56%	
62) 4-Bromofluorobenzene	12.50	95	110108	48.09	ug/l	0.01
Spiked Amount	50.000		Recovery	=	96.18%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.91	85	41334	41.748	ug/l	97
3) Chloromethane	2.13	50	73474	42.033	ug/l	95
4) Vinyl Chloride	2.27	62	76349	42.946	ug/l	98
5) Bromomethane	2.67	94	56757	48.921	ug/l	99
6) Chloroethane	2.82	64	52630	46.105	ug/l	94
7) Trichlorofluoromethane	3.15	101	105510	43.309	ug/l	92
8) Diethyl Ether	3.55	74	46441	45.007	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.93	101	69548	43.512	ug/l	100
10) Methyl Iodide	4.13	142	81290	42.771	ug/l	98
11) Tert butyl alcohol	4.99	59	42242	216.784	ug/l	96
12) 1,1-Dichloroethene	3.91	96	72308	44.551	ug/l	96
13) Acrolein	3.76	56	62645	257.224	ug/l	97
14) Allyl chloride	4.52	41	137618	46.317	ug/l	98
15) Acrylonitrile	5.21	53	122815	227.085	ug/l	99
16) Acetone	3.98	43	82387	177.346	ug/l	96
17) Carbon Disulfide	4.23	76	239028	44.377	ug/l	99
18) Methyl Acetate	4.51	43	52661	43.654	ug/l	100
19) Methyl tert-butyl Ether	5.26	73	211824	46.784	ug/l	100
20) Methylene Chloride	4.76	84	88753	45.705	ug/l	97
21) trans-1,2-Dichloroethene	5.26	96	86062	46.571	ug/l	98
22) Diisopropyl ether	6.16	45	295903	48.664	ug/l	95
23) Vinyl Acetate	6.10	43	944044	236.767	ug/l	98
24) 1,1-Dichloroethane	6.06	63	155915	48.226	ug/l	99
25) 2-Butanone	7.02	43	149258	209.242	ug/l	98
26) 2,2-Dichloropropane	7.02	77	116370	43.705	ug/l	99
27) cis-1,2-Dichloroethene	7.03	96	97865	48.138	ug/l	99
28) Bromochloromethane	7.37	49	74217	50.284	ug/l	100
29) Tetrahydrofuran	7.38	42	104815	224.115	ug/l	99
30) Chloroform	7.54	83	146870	47.928	ug/l	98
31) Cyclohexane	7.82	56	148291	43.046	ug/l	96
32) 1,1,1-Trichloroethane	7.74	97	119822	46.832	ug/l	99
36) 1,1-Dichloropropene	7.95	75	118810	44.663	ug/l	99
37) Ethyl Acetate	7.11	43	69685	43.349	ug/l	99
38) Carbon Tetrachloride	7.93	117	102708	45.508	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.21	83	154945	44.406	ug/l	99
40) Benzene	8.19	78	368441	46.759	ug/l	99
41) Methacrylonitrile	7.36	41	38935m	47.883	ug/l	
42) 1,2-Dichloroethane	8.27	62	97233	46.479	ug/l	99
43) Isopropyl Acetate	8.30	43	133387	44.706	ug/l	99
44) Trichloroethene	8.97	130	87975	46.317	ug/l	99
45) 1,2-Dichloropropane	9.24	63	94947	47.324	ug/l	98
46) Dibromomethane	9.33	93	48218	46.797	ug/l	99
47) Bromodichloromethane	9.52	83	114619	47.785	ug/l	99
48) Methyl methacrylate	9.31	41	58741	43.933	ug/l	98
49) 1,4-Dioxane	9.31	88	12362	874.307	ug/l	89
51) 4-Methyl-2-Pentanone	10.09	43	346869	225.777	ug/l	100
52) Toluene	10.27	92	225397	47.294	ug/l	98
53) t-1,3-Dichloropropene	10.49	75	124557	46.785	ug/l	99
54) cis-1,3-Dichloropropene	9.95	75	145076	46.283	ug/l	100
55) 1,1,2-Trichloroethane	10.66	97	70868	46.471	ug/l	99
56) Ethyl methacrylate	10.53	69	102027	45.806	ug/l	99
57) 1,3-Dichloropropane	10.81	76	123687	45.906	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	267494	233.719	ug/l	100
59) 2-Hexanone	10.85	43	231890	214.272	ug/l	99
60) Dibromochloromethane	11.00	129	75240	47.149	ug/l	99
61) 1,2-Dibromoethane	11.11	107	65972	46.219	ug/l	100
64) Tetrachloroethene	10.74	164	72529	46.767	ug/l	96
65) Chlorobenzene	11.53	112	231095	47.230	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.61	131	78577	48.002	ug/l	100
67) Ethyl Benzene	11.61	91	432277	47.568	ug/l	99
68) m/p-Xylenes	11.72	106	318018	94.648	ug/l	99
69) o-Xylene	12.05	106	151753	47.611	ug/l	100
70) Styrene	12.06	104	266480	48.249	ug/l	99
71) Bromoform	12.23	173	42591	47.505	ug/l #	99
73) Isopropylbenzene	12.34	105	407673	47.341	ug/l	99
74) N-amyl acetate	12.16	43	121774	44.836	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.60	83	85674	46.234	ug/l	99
76) 1,2,3-Trichloropropane	12.65	75	55081m	42.417	ug/l	
77) Bromobenzene	12.63	156	88415	48.096	ug/l	98
78) n-propylbenzene	12.69	91	505443	47.297	ug/l	99
79) 2-Chlorotoluene	12.77	91	277936	47.368	ug/l	100
80) 1,3,5-Trimethylbenzene	12.83	105	338689	47.671	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	30053	44.837	ug/l	98
82) 4-Chlorotoluene	12.87	91	289232	46.778	ug/l	98
83) tert-Butylbenzene	13.09	119	277918	46.863	ug/l	98
84) 1,2,4-Trimethylbenzene	13.14	105	337392	47.596	ug/l	99
85) sec-Butylbenzene	13.27	105	413657	47.092	ug/l	99
86) p-Isopropyltoluene	13.38	119	356625	47.278	ug/l	100
87) 1,3-Dichlorobenzene	13.38	146	169342	47.089	ug/l	100
88) 1,4-Dichlorobenzene	13.46	146	170537	47.124	ug/l	99
89) n-Butylbenzene	13.71	91	362400	46.110	ug/l	100
90) Hexachloroethane	13.97	117	67814	47.710	ug/l	97
91) 1,2-Dichlorobenzene	13.75	146	155448	46.807	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.37	75	12631	42.553	ug/l	98

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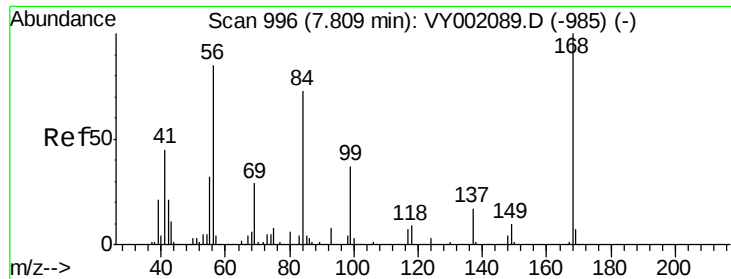
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	97212	45.413	ug/l	97
94) Hexachlorobutadiene	15.12	225	46239	43.761	ug/l	99
95) Naphthalene	15.25	128	227909	44.827	ug/l	99
96) 1,2,3-Trichlorobenzene	15.44	180	86037	44.323	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 998

Delta R.T. 0.01 min

Lab File: VY002150.D

Acq: 31 Mar 2020 21:34

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 149576

Ion Ratio Lower Upper

168 100

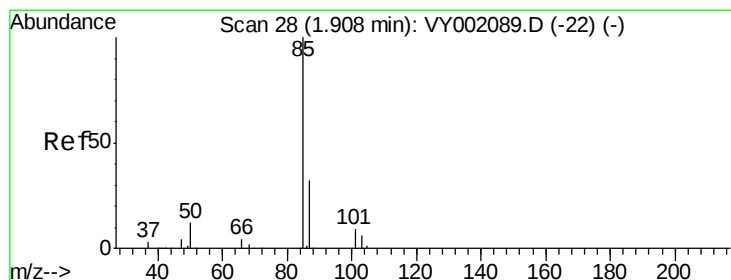
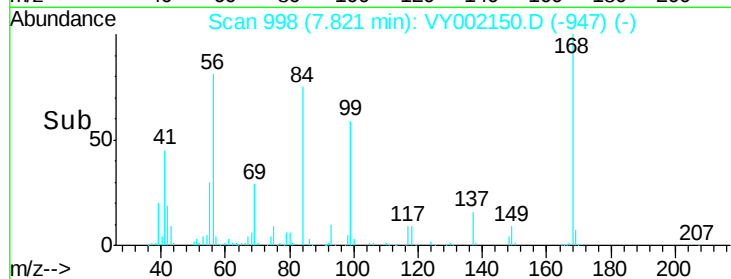
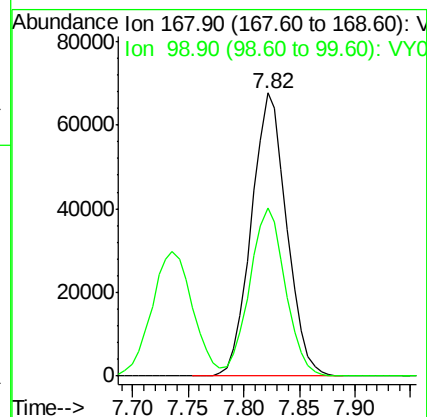
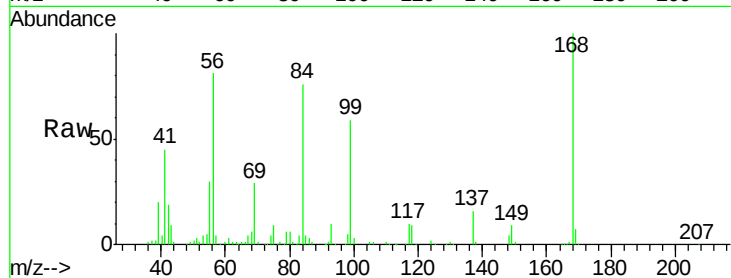
99 59.2 47.6 71.4

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 41.748 ug/l

RT: 1.91 min Scan# 29

Delta R.T. 0.01 min

Lab File: VY002150.D

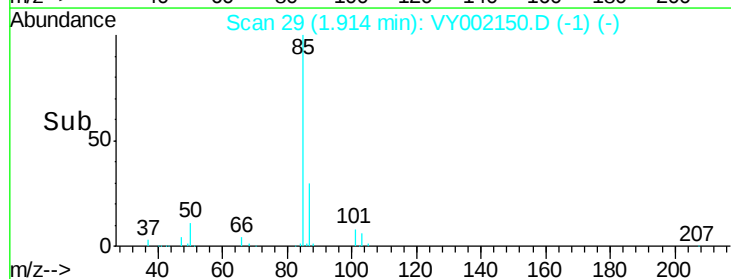
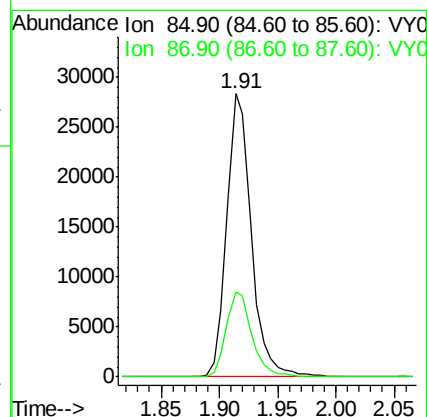
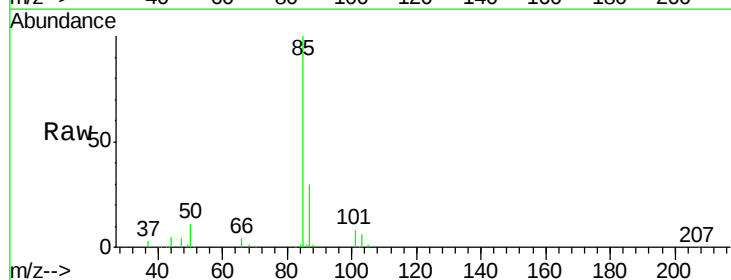
Acq: 31 Mar 2020 21:34

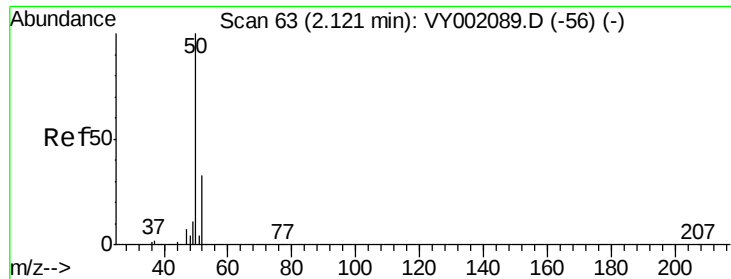
Tgt Ion: 85 Resp: 41334

Ion Ratio Lower Upper

85 100

87 30.2 16.0 48.0





#3

Chloromethane

Concen: 42.033 ug/l

RT: 2.13 min Scan# 64

Delta R.T. 0.01 min

Lab File: VY002150.D

Acq: 31 Mar 2020 21:34

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 73474

Ion Ratio Lower Upper

50 100

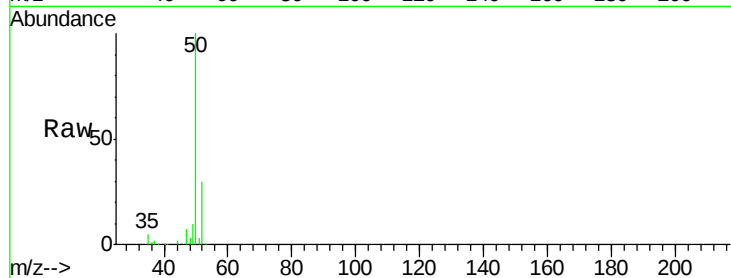
52 30.1 26.1 39.1

Manual Integrations

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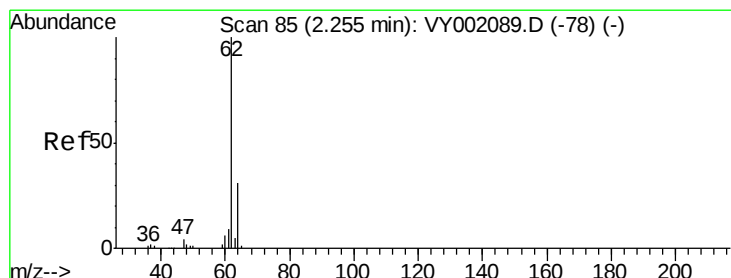
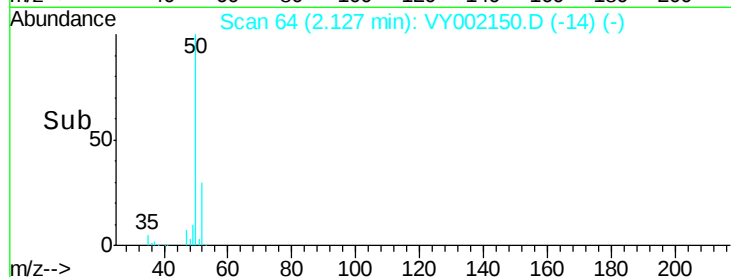
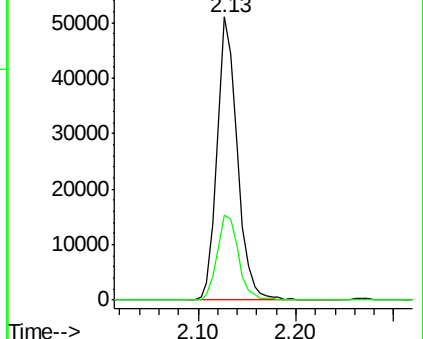
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Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 42.946 ug/l

RT: 2.27 min Scan# 87

Delta R.T. 0.01 min

Lab File: VY002150.D

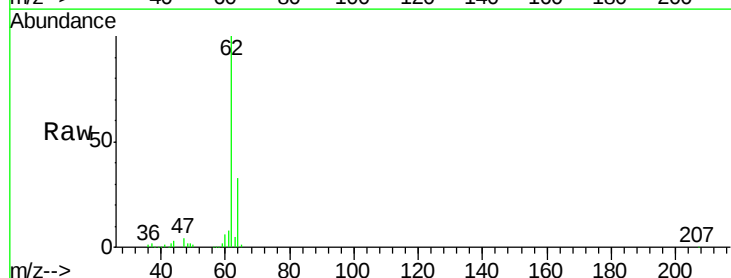
Acq: 31 Mar 2020 21:34

Tgt Ion: 62 Resp: 76349

Ion Ratio Lower Upper

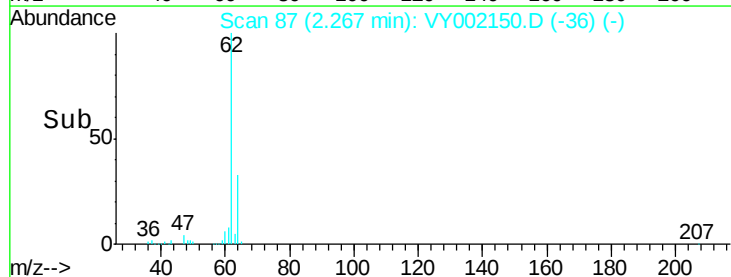
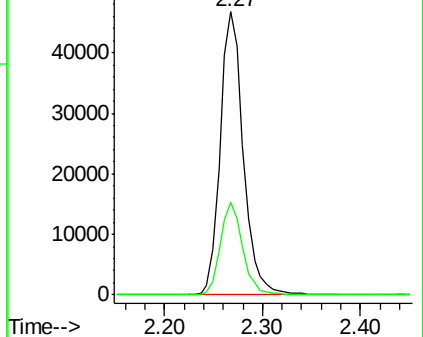
62 100

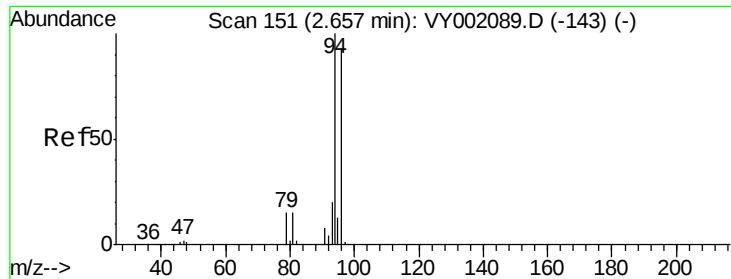
64 32.6 25.2 37.8



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 48.921 ug/l

RT: 2.67 min Scan# 153

Delta R.T. 0.01 min

Lab File: VY002150.D

Acq: 31 Mar 2020 21:34

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 56757

Ion Ratio Lower Upper

94 100

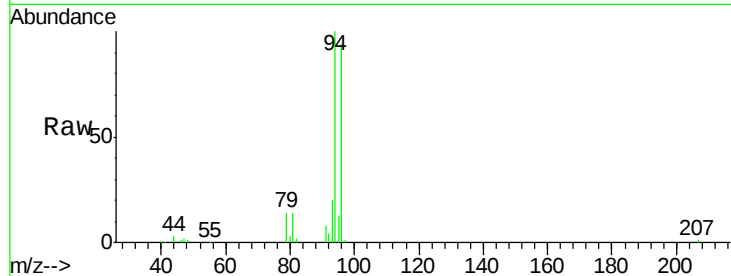
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Manual Integrations

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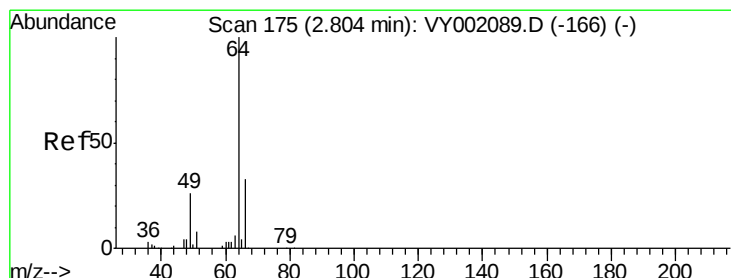
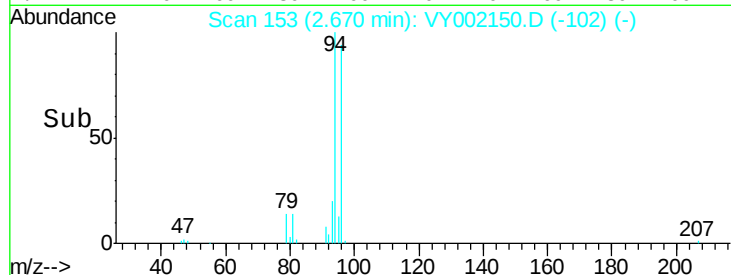
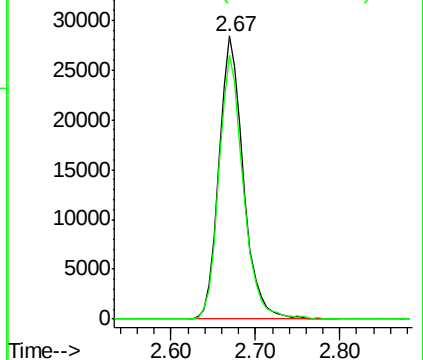
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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 46.105 ug/l

RT: 2.82 min Scan# 177

Delta R.T. 0.01 min

Lab File: VY002150.D

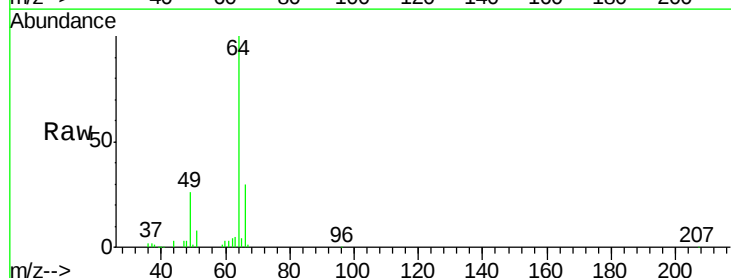
Acq: 31 Mar 2020 21:34

Tgt Ion: 64 Resp: 52630

Ion Ratio Lower Upper

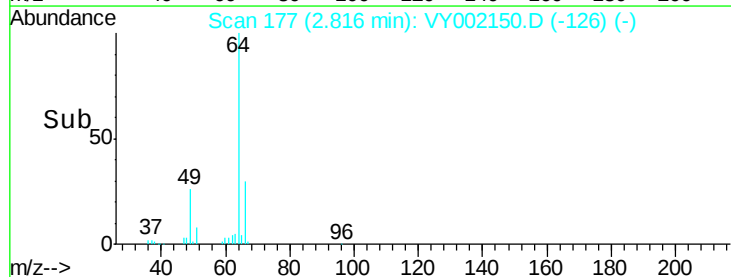
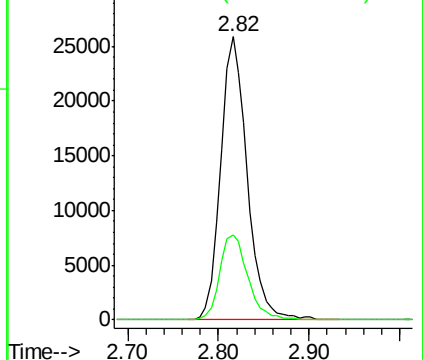
64 100

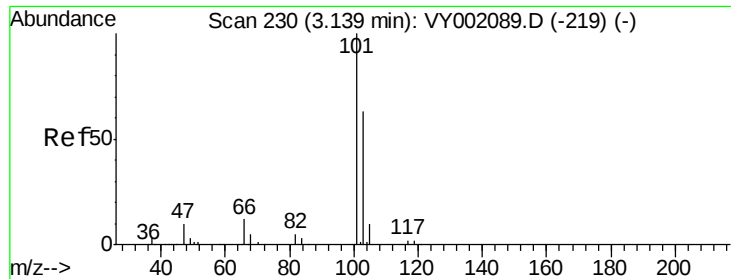
66 29.9 26.6 39.8



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

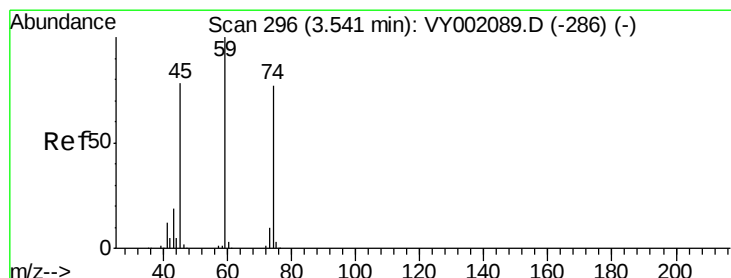
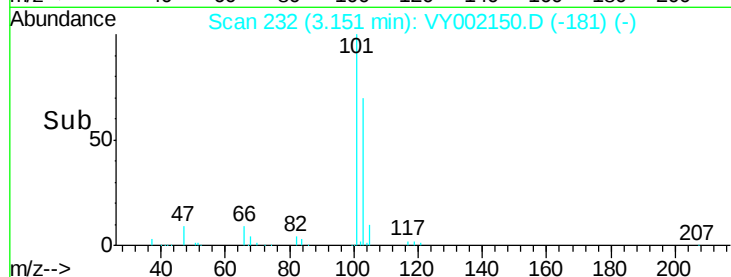
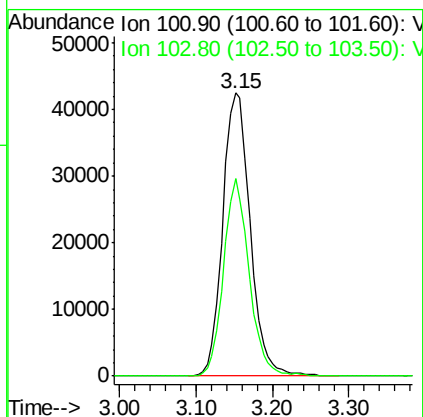
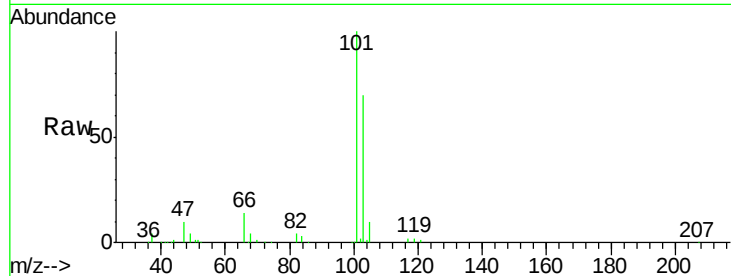
Trichlorofluoromethane
Concen: 43.309 ug/l
RT: 3.15 min Scan# 232
Delta R.T. 0.01 min
Lab File: VY002150.D
Acq: 31 Mar 2020 21:34

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Tot Ion	Ratio	Lower	Upper
101	100		
103	69.8	50.6	76.0

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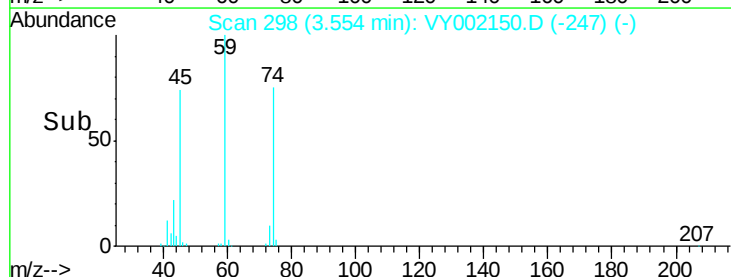
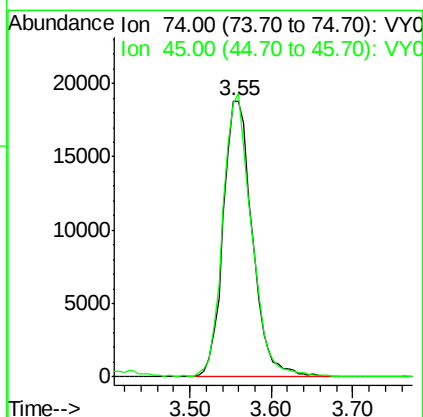
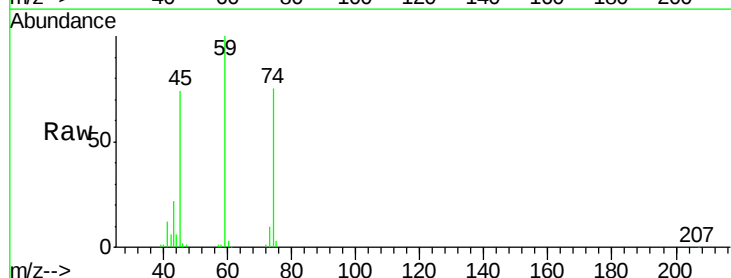
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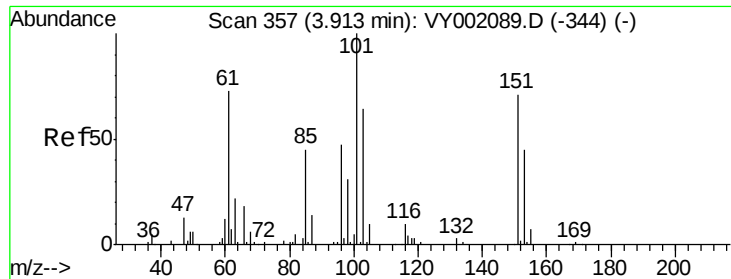


#8

Diethyl Ether
Concen: 45.007 ug/l
RT: 3.55 min Scan# 298
Delta R.T. 0.01 min
Lab File: VY002150.D
Acq: 31 Mar 2020 21:34

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.1	51.0	153.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.512 ug/l

RT: 3.93 min Scan# 360

Delta R.T. 0.02 min

Lab File: VY002150.D

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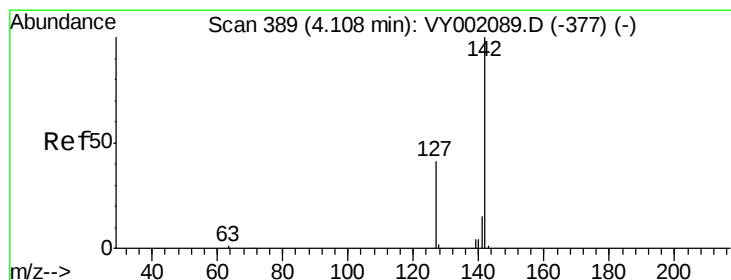
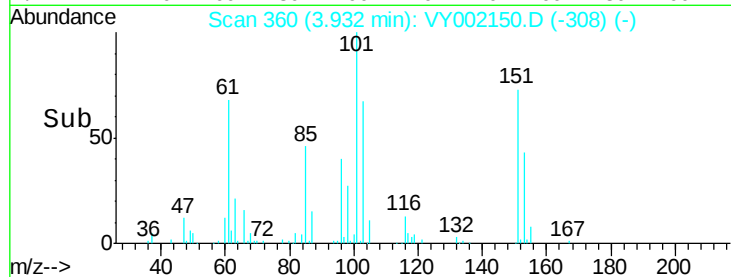
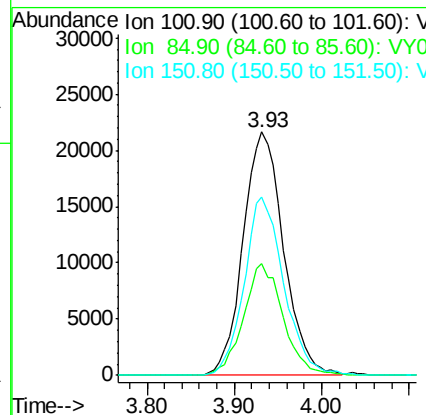
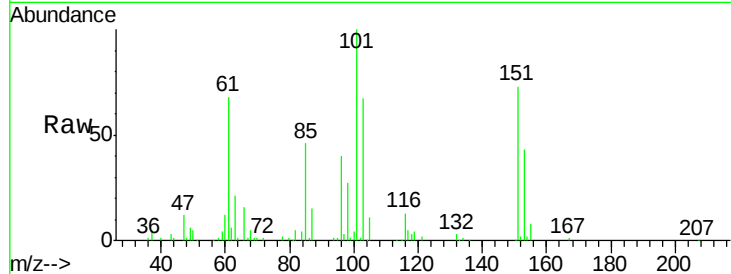
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	69548
Ion Ratio	Lower	Upper	
101	100		
85	44.9	35.9	53.9
151	71.8	57.5	86.3

Manual Integrations
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#10

Methyl Iodide

Concen: 42.771 ug/l

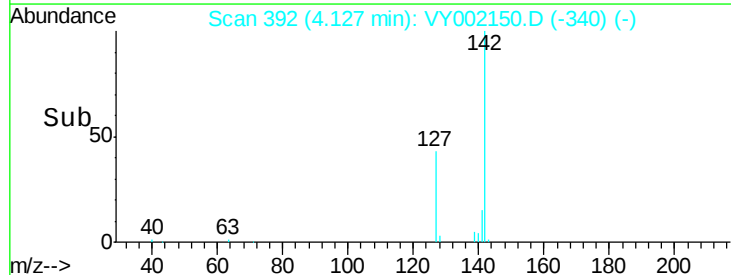
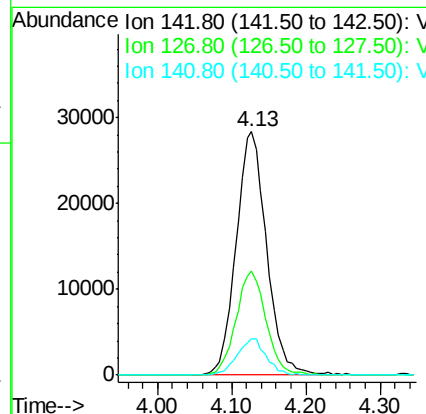
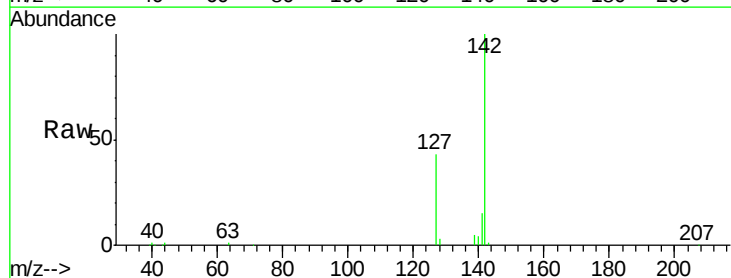
RT: 4.13 min Scan# 392

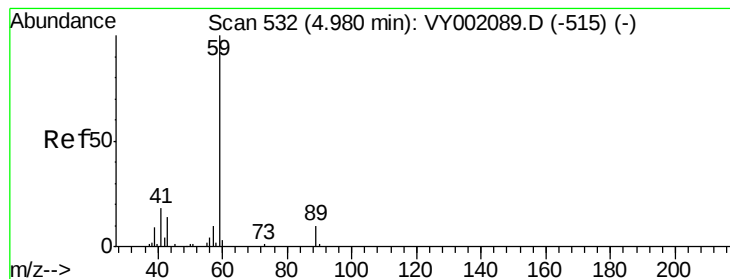
Delta R.T. 0.02 min

Lab File: VY002150.D

Acq: 31 Mar 2020 21:34

Tgt Ion:	142	Resp:	81290
Ion Ratio	Lower	Upper	
142	100		
127	42.2	32.6	49.0
141	14.3	11.4	17.0





#11

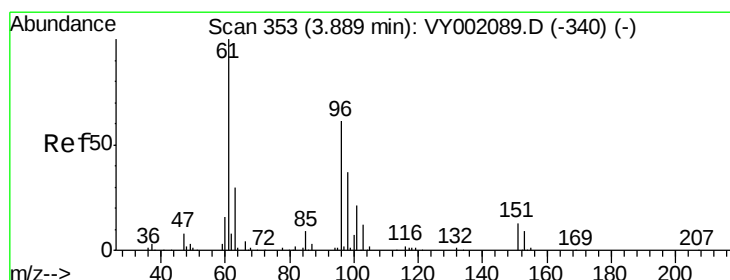
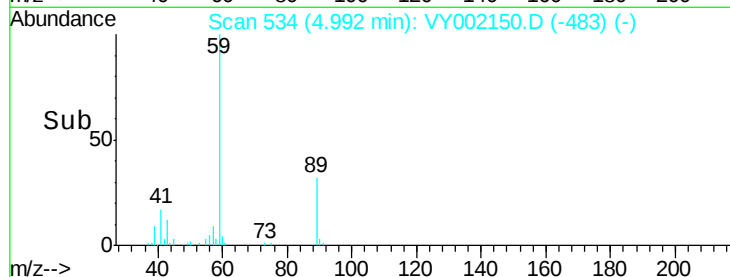
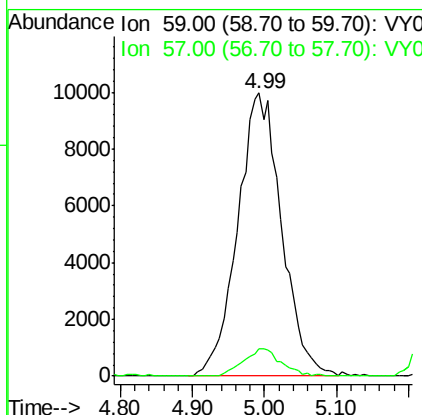
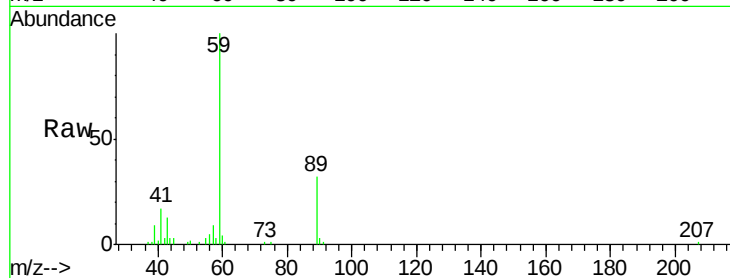
Tert butyl alcohol
 Concen: 216.784 ug/l
 RT: 4.99 min Scan# 534
 Delta R.T. 0.01 min
 Lab File: VY002150.D
 Acq: 31 Mar 2020 21:34

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	59	Resp	42242
Ion Ratio	100	Lower	Upper
59	100		
57	8.2	7.7	11.5

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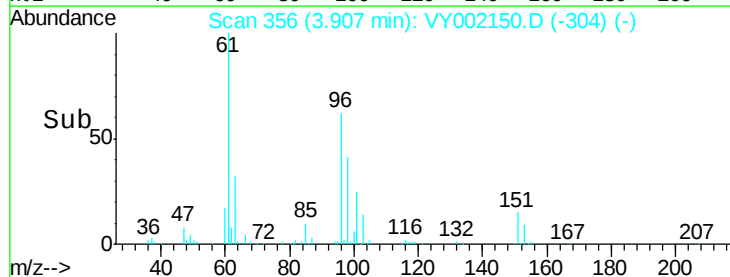
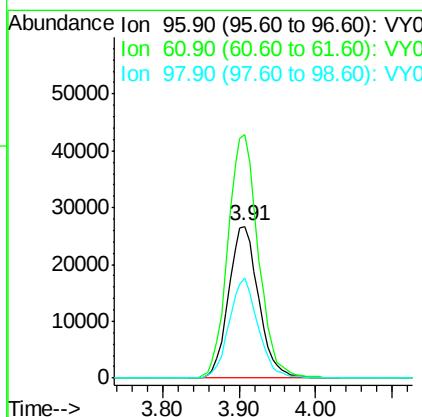
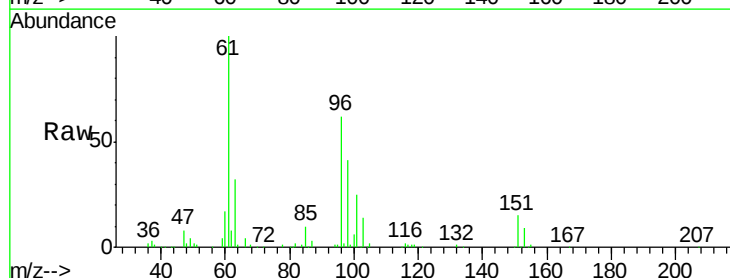
MMDadoda
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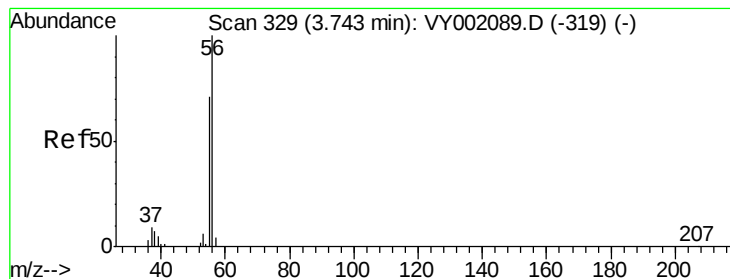


#12

1,1-Dichloroethene
 Concen: 44.551 ug/l
 RT: 3.91 min Scan# 356
 Delta R.T. 0.02 min
 Lab File: VY002150.D
 Acq: 31 Mar 2020 21:34

Tgt Ion	96	Resp	72308
Ion Ratio	100	Lower	Upper
96	100		
61	160.4	132.0	198.0
98	65.9	49.4	74.0





#13

Acrolein

Concen: 257.224 ug/l

RT: 3.76 min Scan# 332

Delta R.T. 0.02 min

Lab File: VY002150.D

Acq: 31 Mar 2020 21:34

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 62645

Ion Ratio Lower Upper

56 100

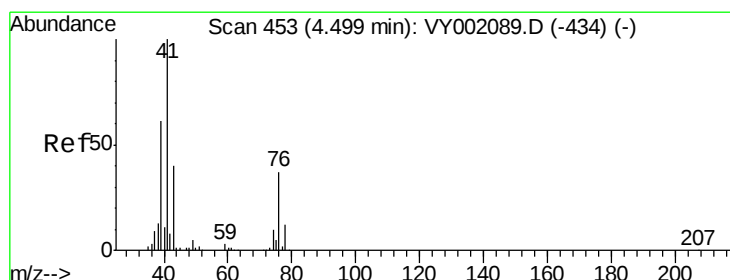
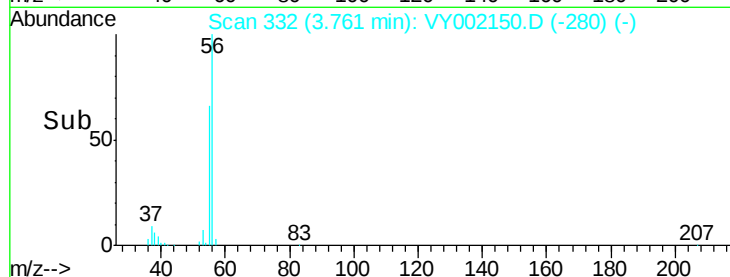
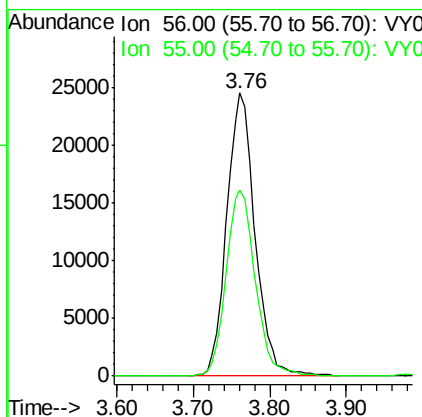
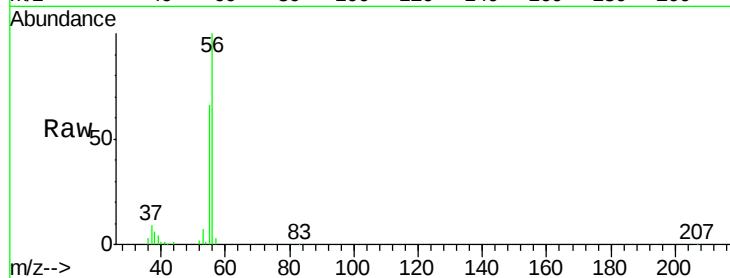
55 68.0 56.5 84.7

Manual Integrations

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#14

Allyl chloride

Concen: 46.317 ug/l

RT: 4.52 min Scan# 457

Delta R.T. 0.02 min

Lab File: VY002150.D

Acq: 31 Mar 2020 21:34

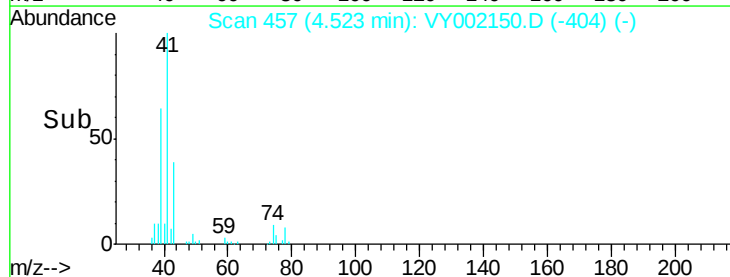
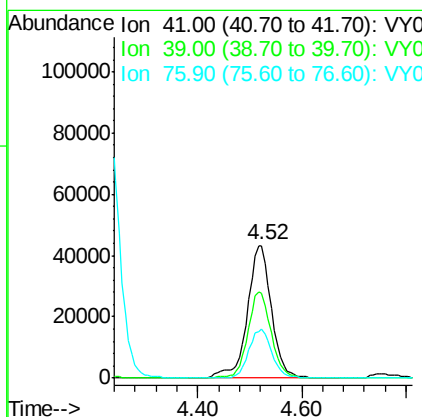
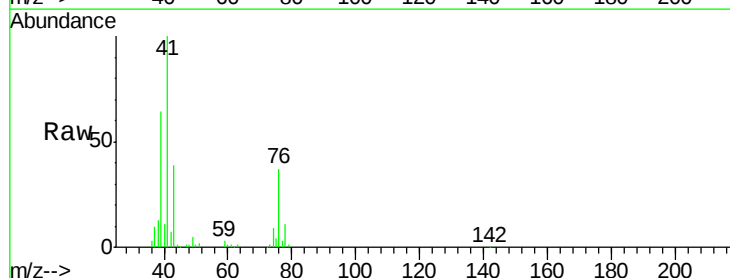
Tgt Ion: 41 Resp: 137618

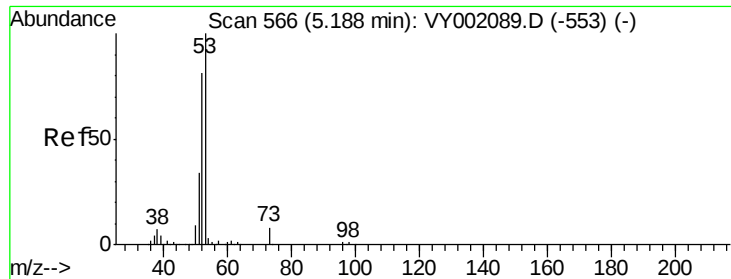
Ion Ratio Lower Upper

41 100

39 63.0 49.0 73.4

76 35.4 27.8 41.8





#15

Acrylonitrile

Concen: 227.085 ug/l

RT: 5.21 min Scan# 569

Delta R.T. 0.02 min

Lab File: VY002150.D

Acq: 31 Mar 2020 21:34

Instrument :

MSVOA_Y

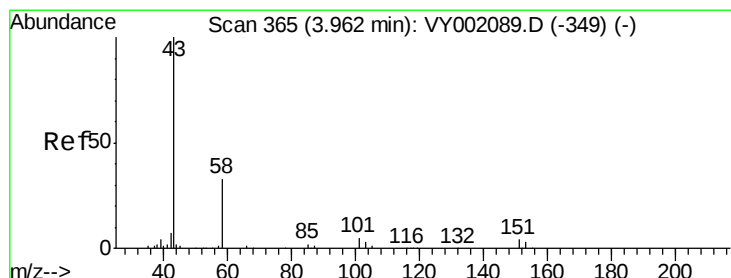
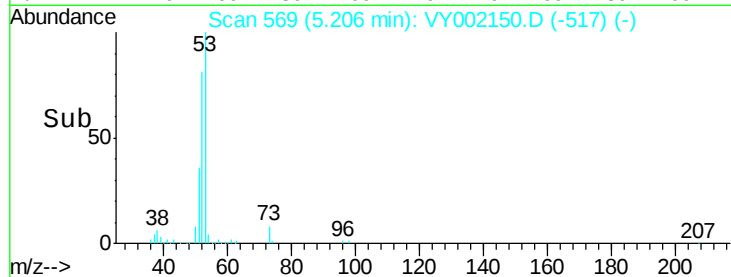
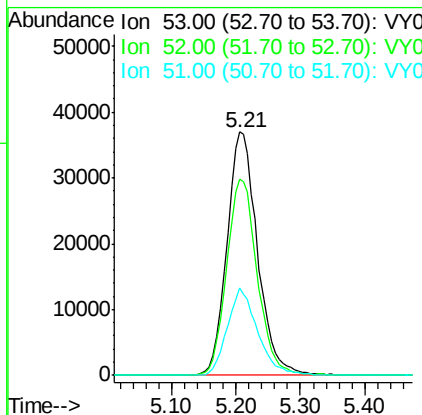
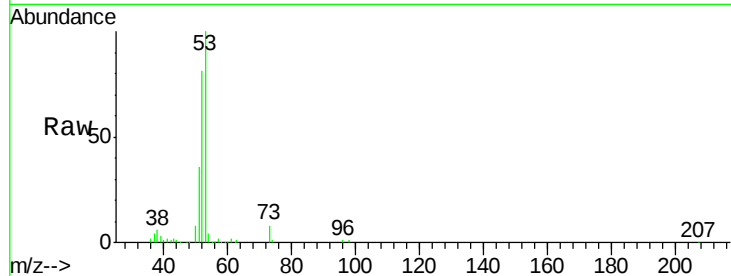
ClientSampleId :

VSTDCCC050EC

Tot Ion	53	Resp	122815
Ion Ratio	Lower	Upper	
53	100		
52	80.5	64.6	97.0
51	35.4	27.9	41.9

Manual Integrations
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#16

Acetone

Concen: 177.346 ug/l

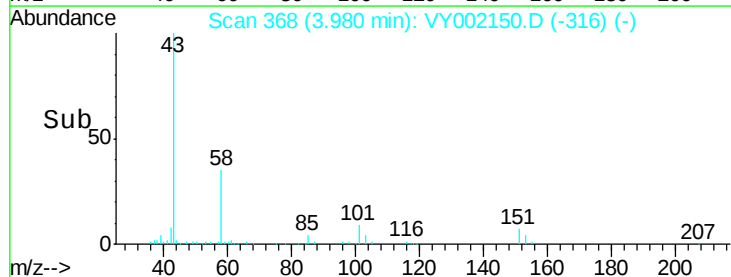
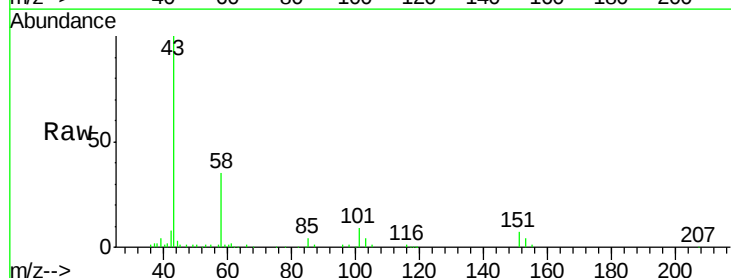
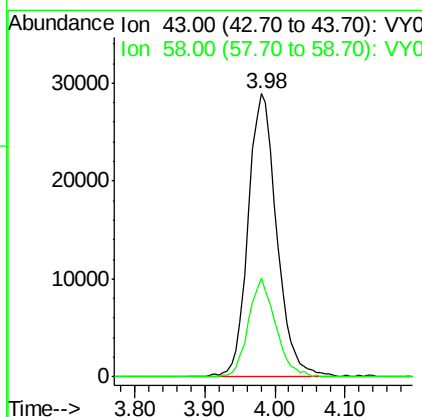
RT: 3.98 min Scan# 368

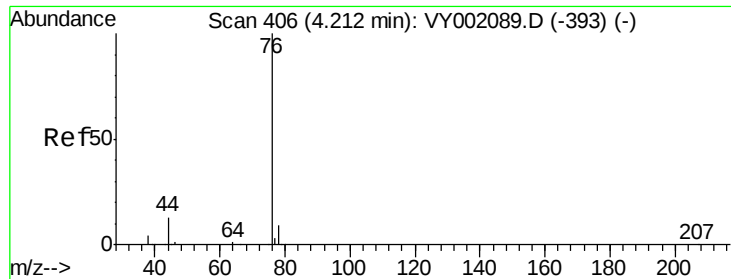
Delta R.T. 0.02 min

Lab File: VY002150.D

Acq: 31 Mar 2020 21:34

Tgt Ion	43	Resp	82387
Ion Ratio	Lower	Upper	
43	100		
58	35.1	26.3	39.5





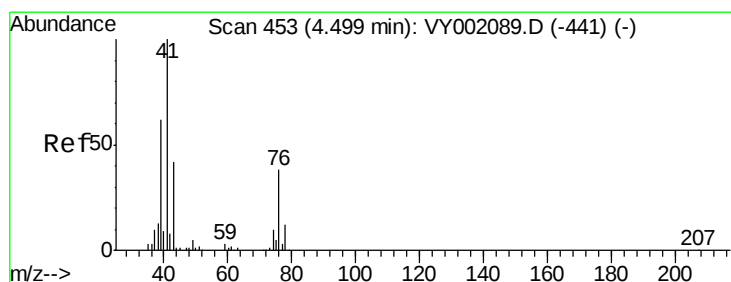
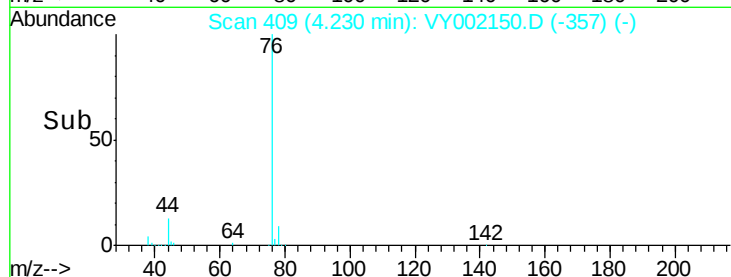
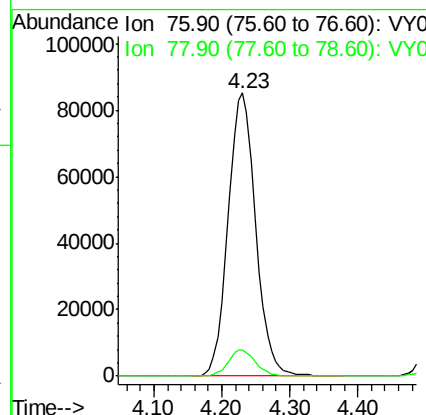
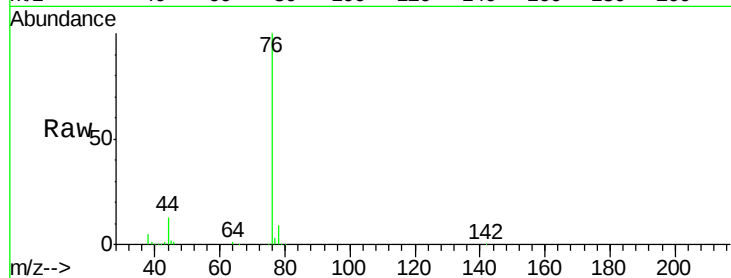
#17
Carbon Disulfide
Concen: 44.377 ug/l
RT: 4.23 min Scan# 409
Delta R.T. 0.02 min
Lab File: VY002150.D
Acq: 31 Mar 2020 21:34

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.3	10.9

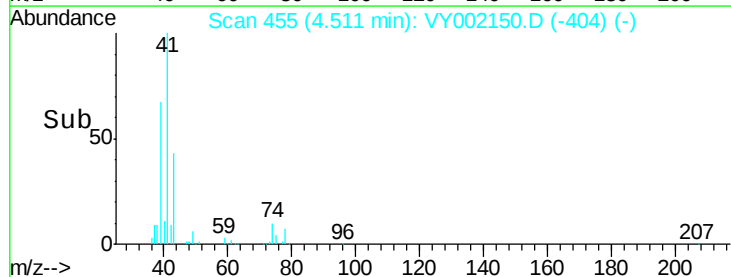
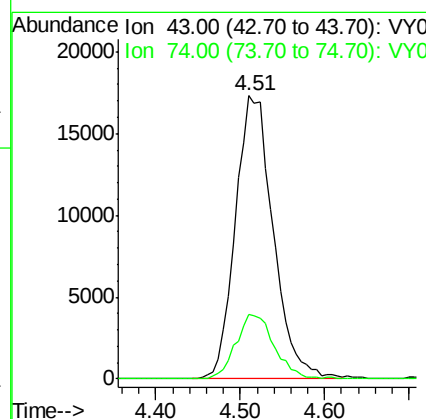
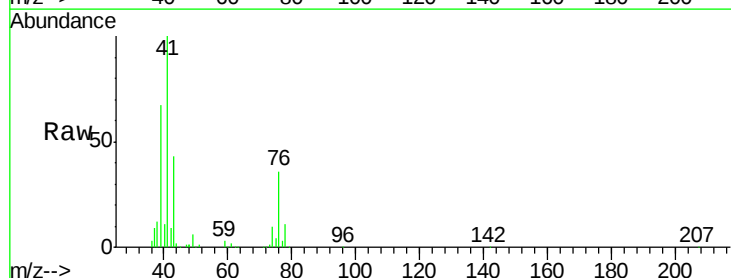
Manual Integrations
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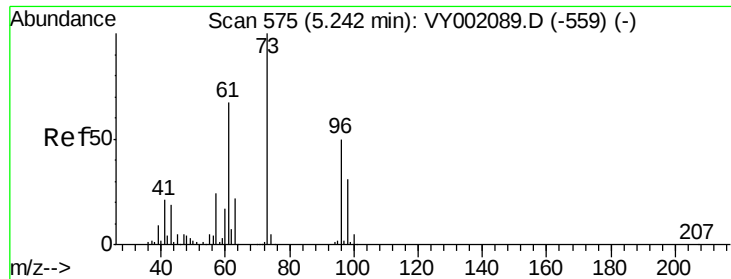
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#18
Methyl Acetate
Concen: 43.654 ug/l
RT: 4.51 min Scan# 455
Delta R.T. 0.01 min
Lab File: VY002150.D
Acq: 31 Mar 2020 21:34

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.0	18.3	27.5





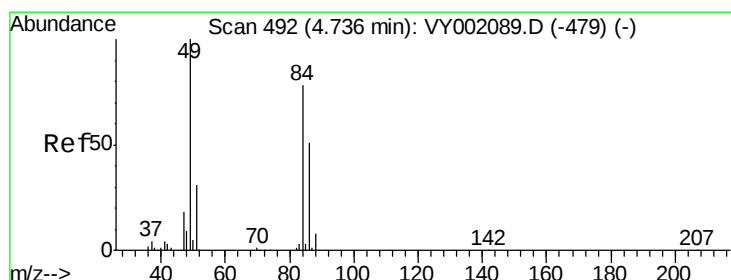
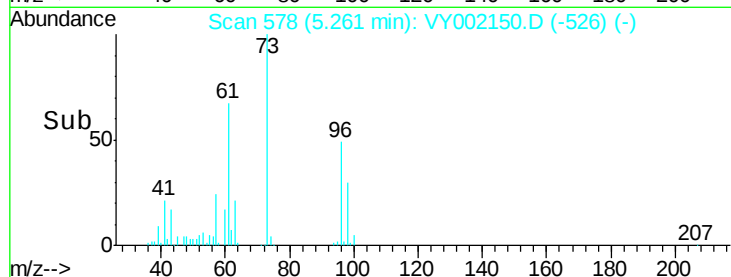
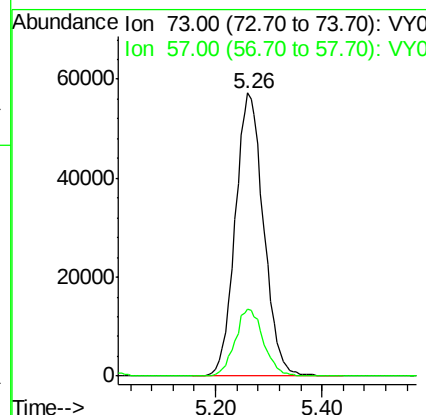
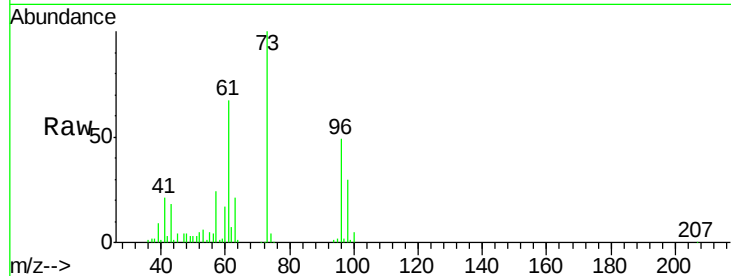
#19
Methvl tert-butvl Ether
Concen: 46.784 ug/l
RT: 5.26 min Scan# 578
Delta R.T. 0.02 min
Lab File: VY002150.D
Acq: 31 Mar 2020 21:34

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 211824
Ion Ratio Lower Upper
73 100
57 23.7 19.0 28.6

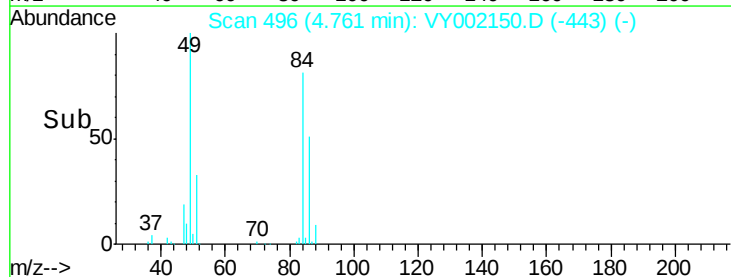
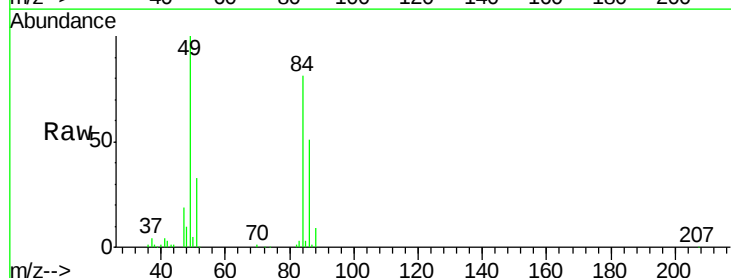
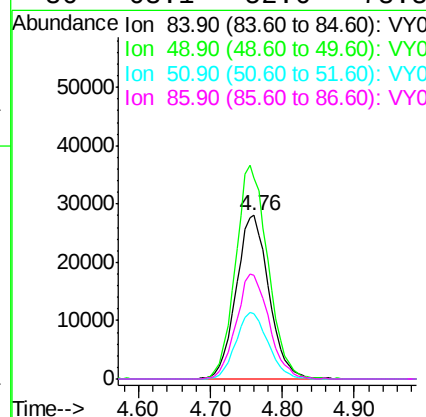
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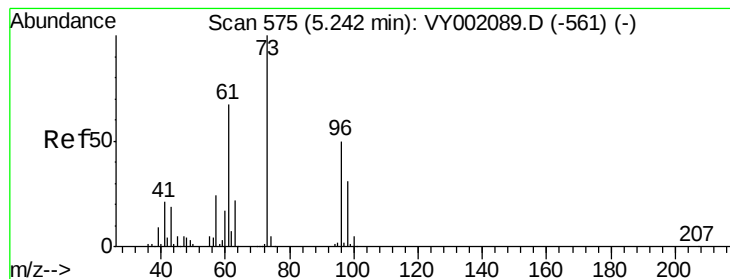
MMDadoda
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#20
Methylene Chloride
Concen: 45.705 ug/l
RT: 4.76 min Scan# 496
Delta R.T. 0.02 min
Lab File: VY002150.D
Acq: 31 Mar 2020 21:34

Tgt Ion: 84 Resp: 88753
Ion Ratio Lower Upper
84 100
49 123.4 102.2 153.4
51 40.2 31.2 46.8
86 63.1 52.6 78.8





#21

trans-1,2-Dichloroethene

Concen: 46.571 ug/l

RT: 5.26 min Scan# 578

Delta R.T. 0.02 min

Lab File: VY002150.D

Acq: 31 Mar 2020 21:34

Instrument :

MSVOA_Y

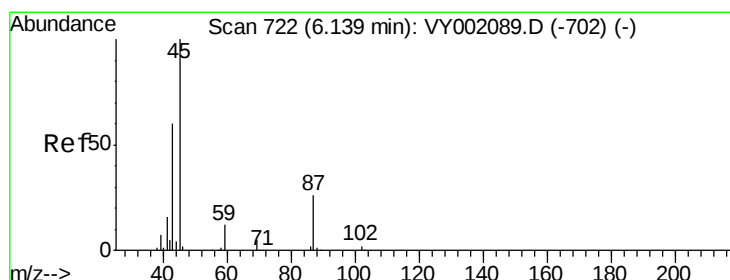
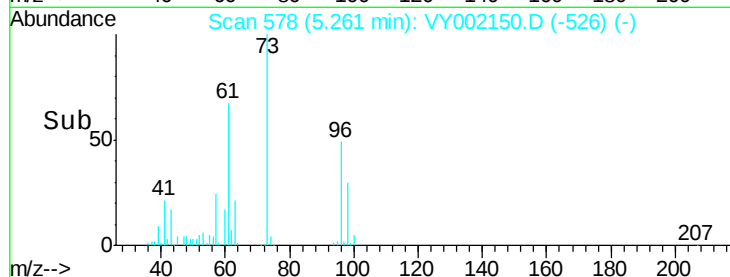
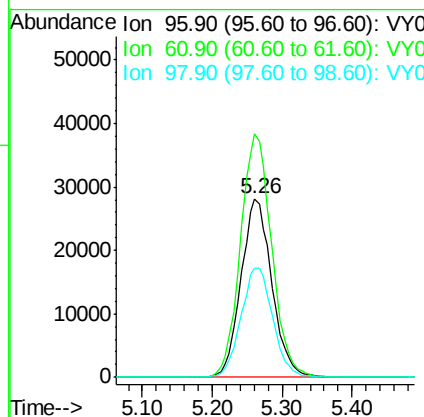
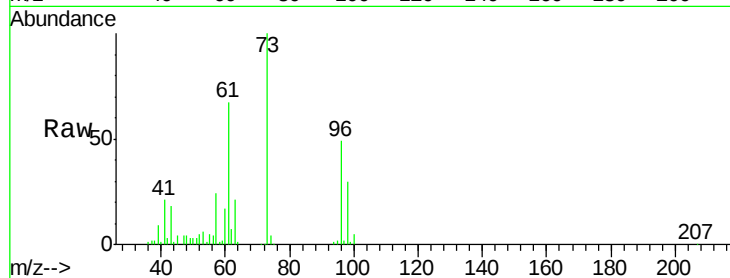
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	86062
Ion	Ratio	Lower	Upper
96	100		
61	136.1	107.7	161.5
98	61.3	50.5	75.7

Manual Integrations
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#22

Diisopropyl ether

Concen: 48.664 ug/l

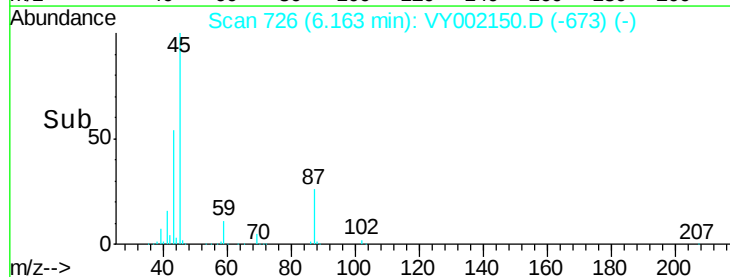
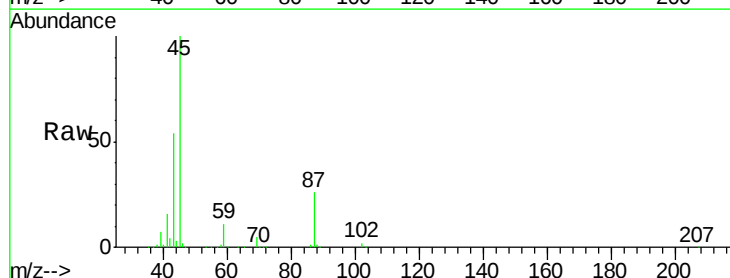
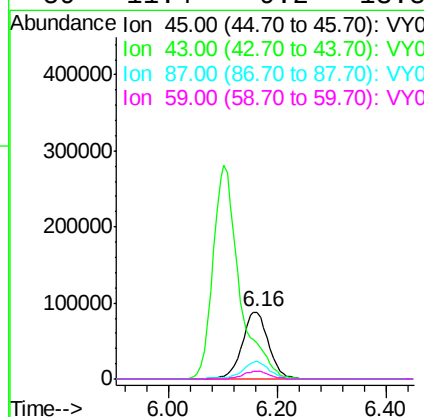
RT: 6.16 min Scan# 726

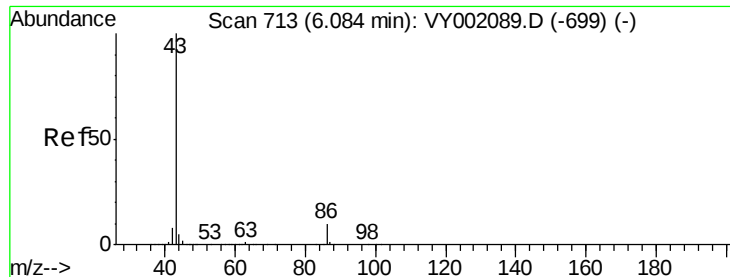
Delta R.T. 0.02 min

Lab File: VY002150.D

Acq: 31 Mar 2020 21:34

Tgt Ion:	45	Resp:	295903
Ion	Ratio	Lower	Upper
45	100		
43	54.3	48.1	72.1
87	26.0	21.1	31.7
59	11.4	9.2	13.8





#23

Vinyl Acetate

Concen: 236.767 ug/l

RT: 6.10 min Scan# 716

Delta R.T. 0.02 min

Lab File: VY002150.D

Acq: 31 Mar 2020 21:34

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 944044

Ion Ratio Lower Upper

43 100

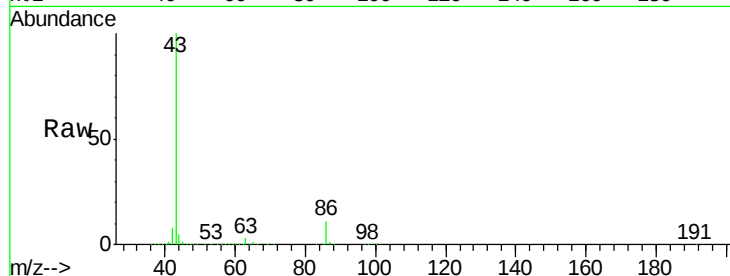
86 10.6 7.9 11.9

Manual Integrations

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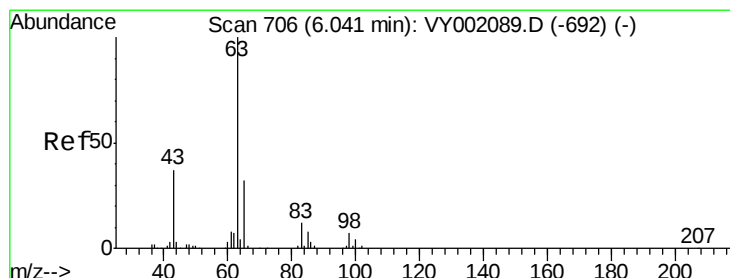
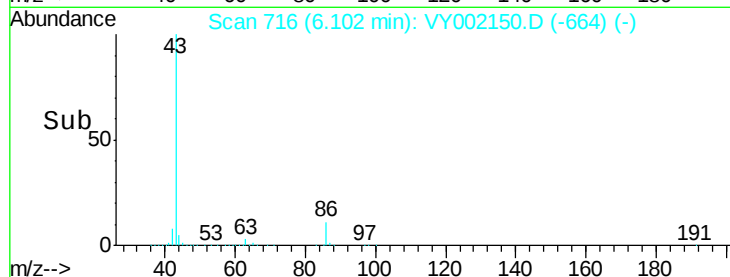
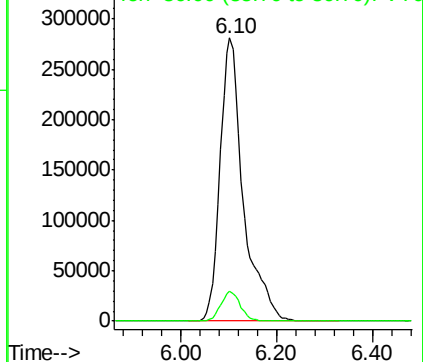
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 48.226 ug/l

RT: 6.06 min Scan# 709

Delta R.T. 0.02 min

Lab File: VY002150.D

Acq: 31 Mar 2020 21:34

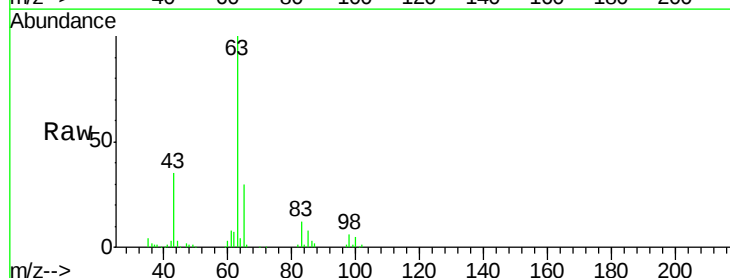
Tgt Ion: 63 Resp: 155915

Ion Ratio Lower Upper

63 100

98 6.5 3.3 9.9

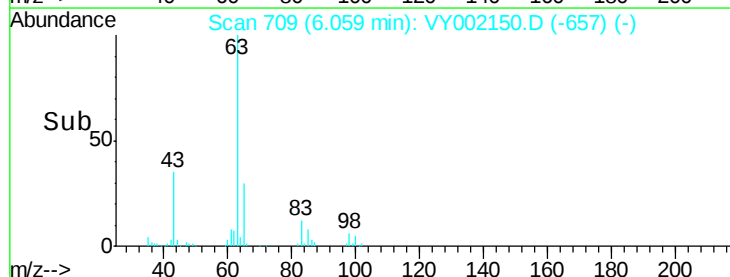
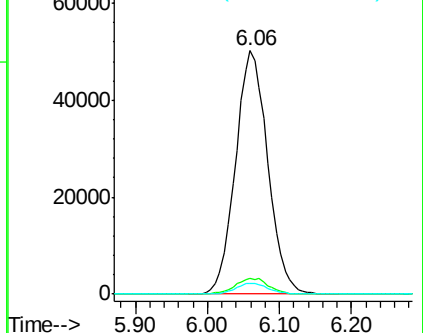
100 4.5 1.8 5.5

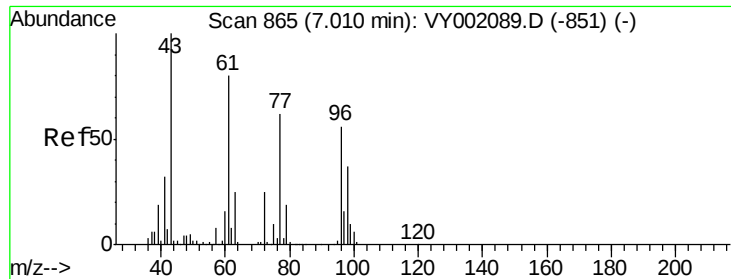


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





#25

2-Butanone

Concen: 209.242 ug/l

RT: 7.02 min Scan# 867

Delta R.T. 0.01 min

Lab File: VY002150.D

Acq: 31 Mar 2020 21:34

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 149258

Ion Ratio Lower Upper

43 100

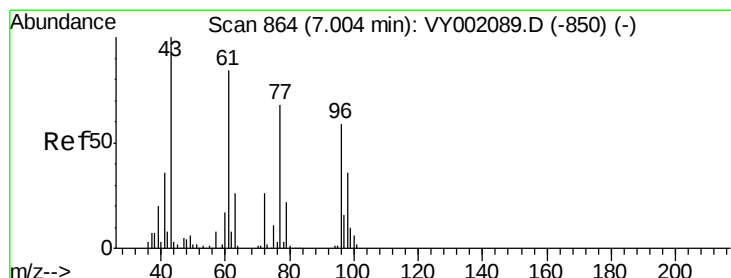
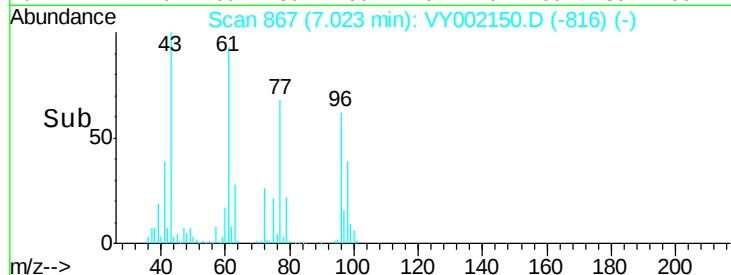
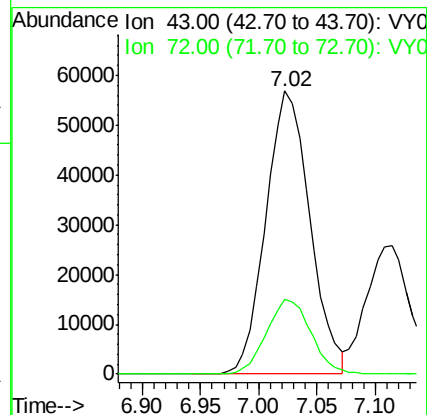
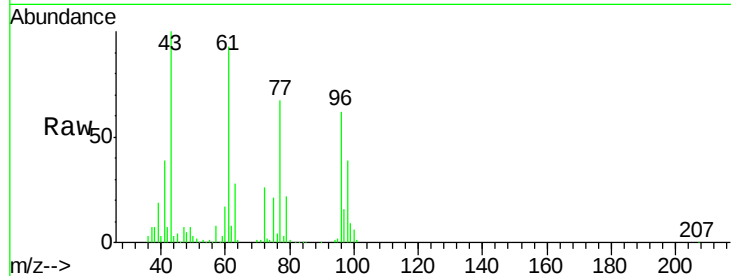
72 26.3 20.2 30.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 43.705 ug/l

RT: 7.02 min Scan# 867

Delta R.T. 0.02 min

Lab File: VY002150.D

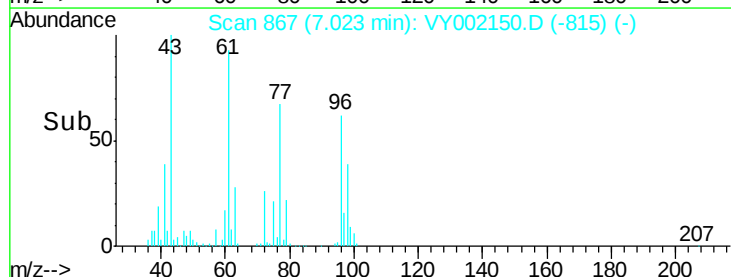
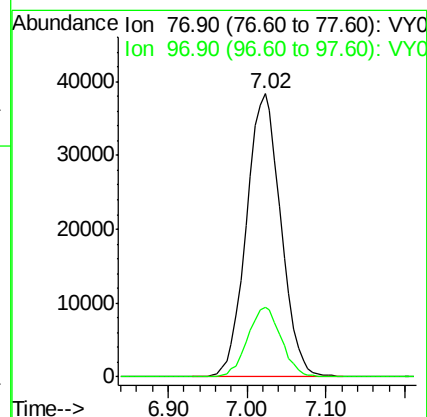
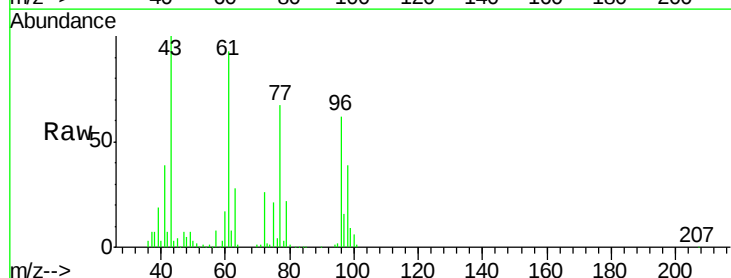
Acq: 31 Mar 2020 21:34

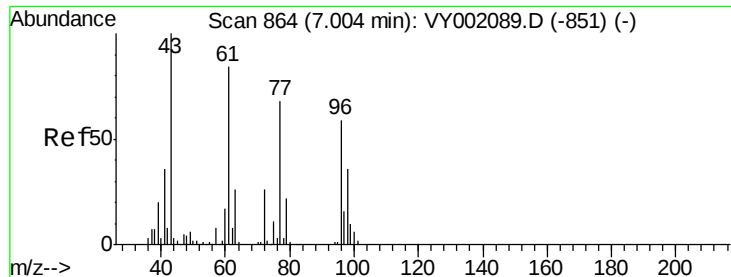
Tgt Ion: 77 Resp: 116370

Ion Ratio Lower Upper

77 100

97 24.0 11.7 35.1





#27

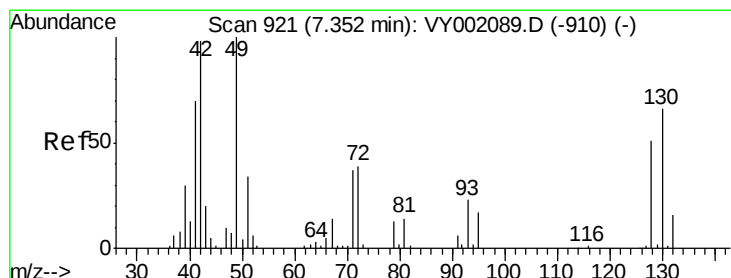
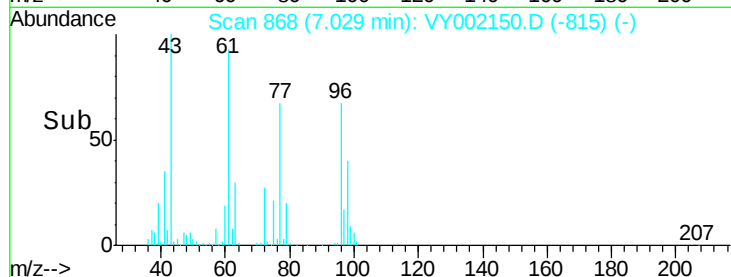
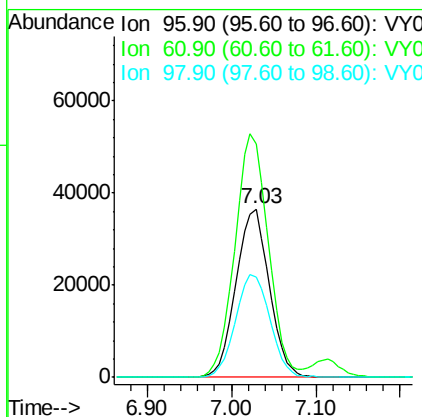
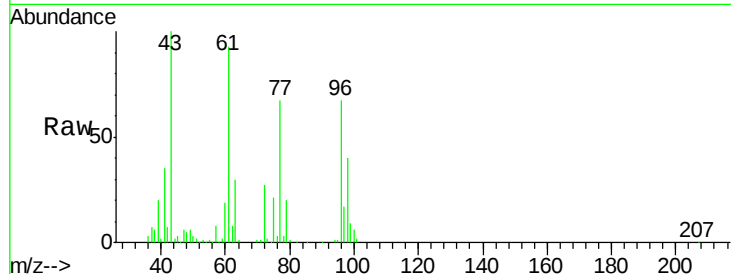
cis-1,2-Dichloroethene
Concen: 48.138 ug/l
RT: 7.03 min Scan# 868
Delta R.T. 0.02 min
Lab File: VY002150.D
Acq: 31 Mar 2020 21:34

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	144.3	0.0	290.6
98	63.0	0.0	128.0

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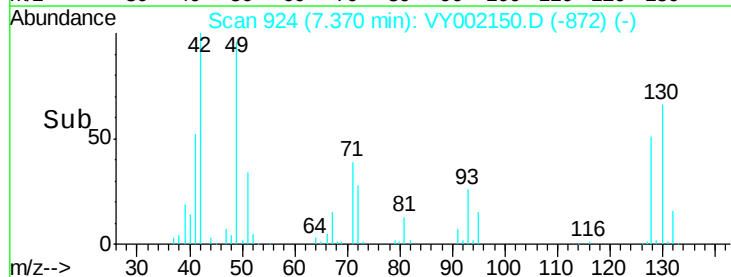
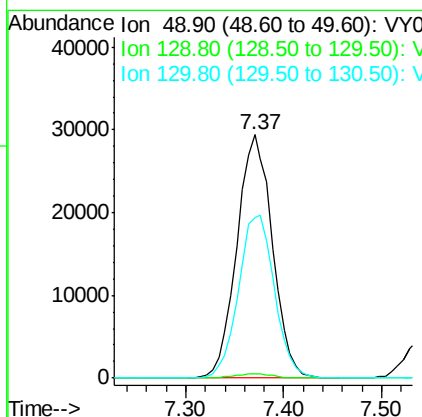
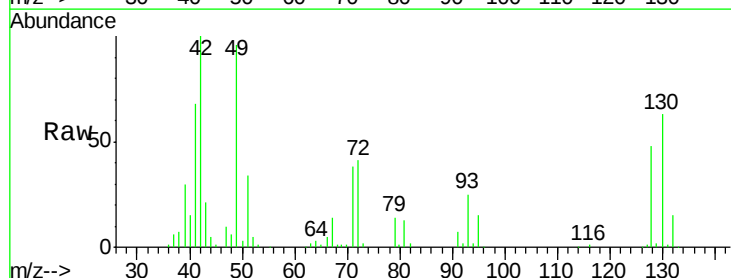
MMDadoda
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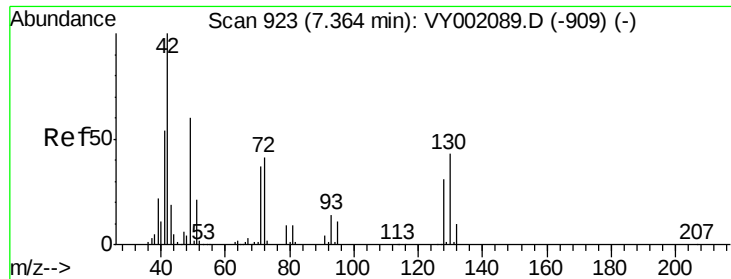


#28

Bromochloromethane
Concen: 50.284 ug/l
RT: 7.37 min Scan# 924
Delta R.T. 0.02 min
Lab File: VY002150.D
Acq: 31 Mar 2020 21:34

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.4
130	67.8	54.1	81.1





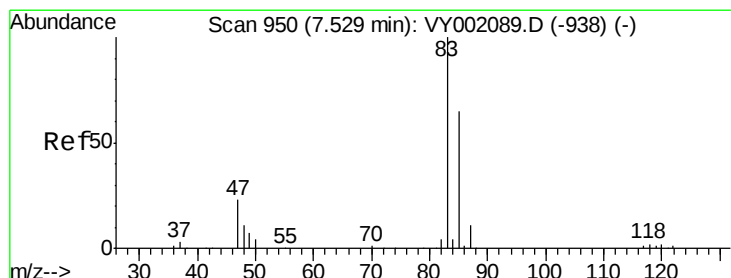
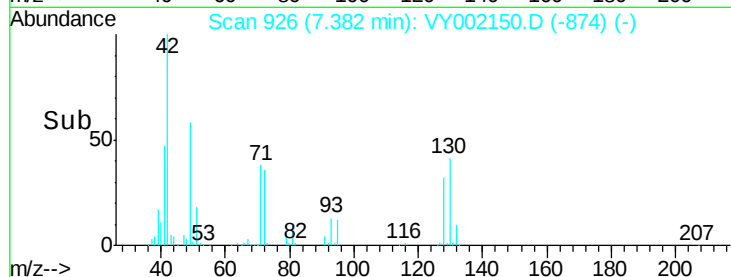
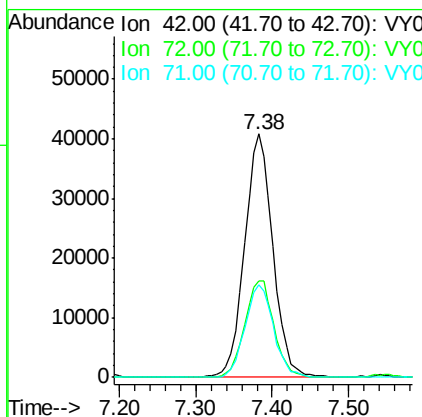
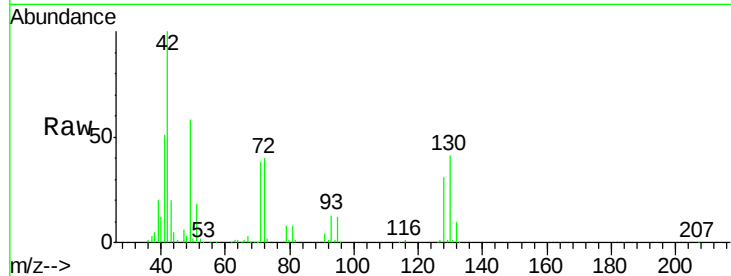
#29
Tetrahydrofuran
Concen: 224.115 ug/l
RT: 7.38 min Scan# 926
Delta R.T. 0.02 min
Lab File: VY002150.D
Acq: 31 Mar 2020 21:34

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.0	33.0	49.4
71	38.4	31.2	46.8

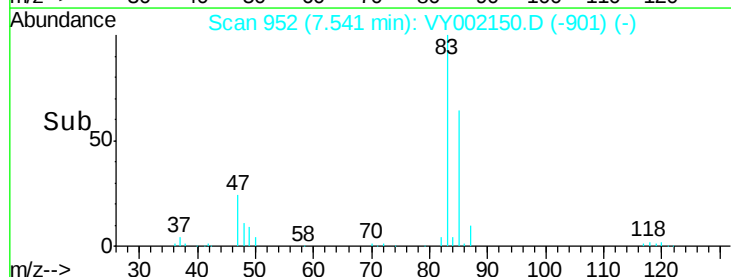
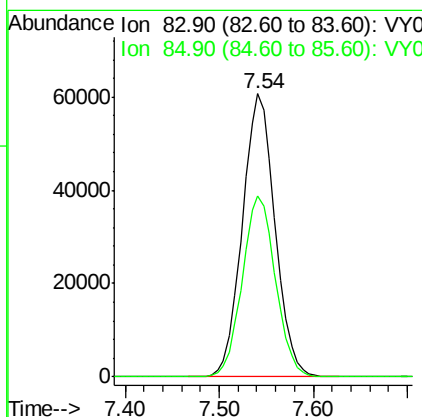
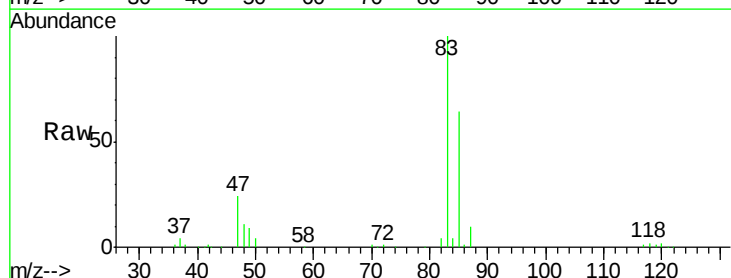
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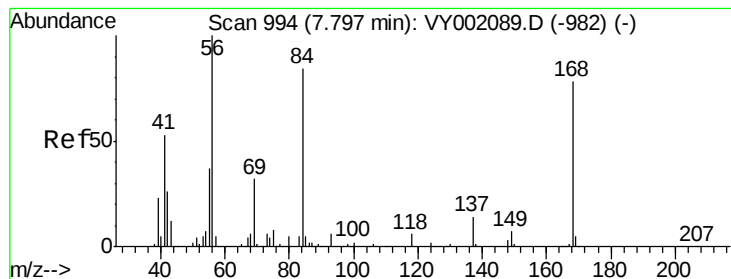
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#30
Chloroform
Concen: 47.928 ug/l
RT: 7.54 min Scan# 952
Delta R.T. 0.01 min
Lab File: VY002150.D
Acq: 31 Mar 2020 21:34

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	52.4	78.6





#31

Cvclohexane

Concen: 43.046 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.02 min

Lab File: VY002150.D

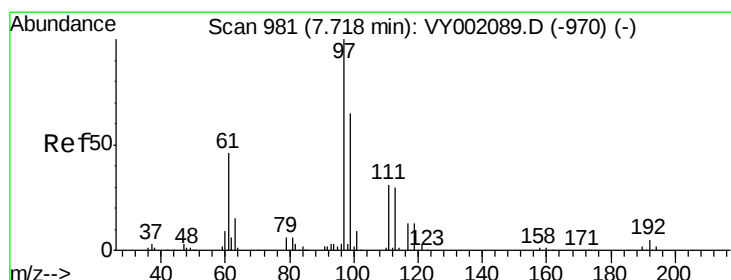
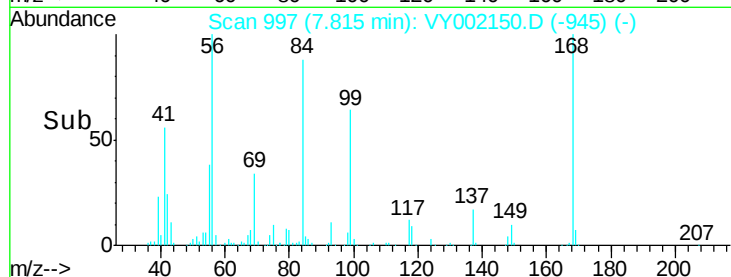
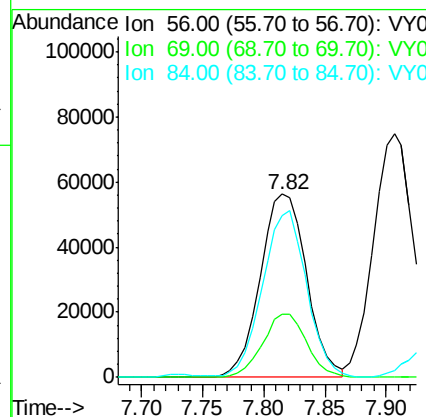
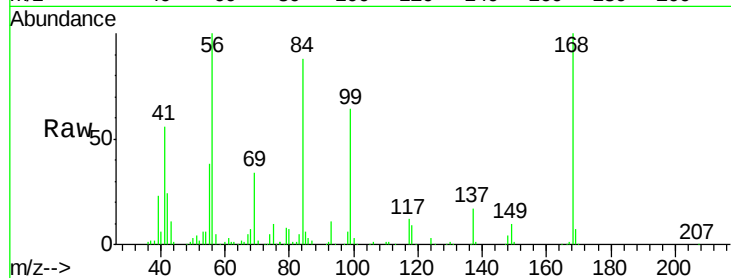
Acq: 31 Mar 2020 21:34

Tot Ion:	56	Resp:	148291
Ion Ratio	Lower	Upper	
56	100		
69	34.4	25.8	38.8
84	87.3	67.1	100.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 46.832 ug/l

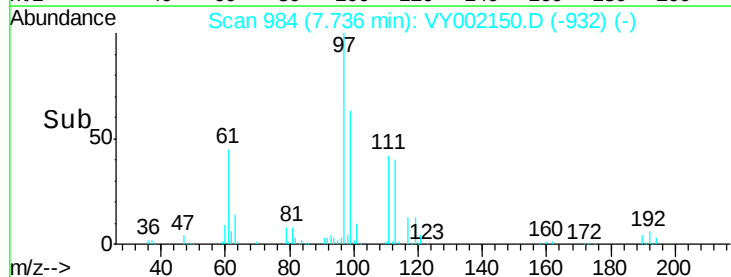
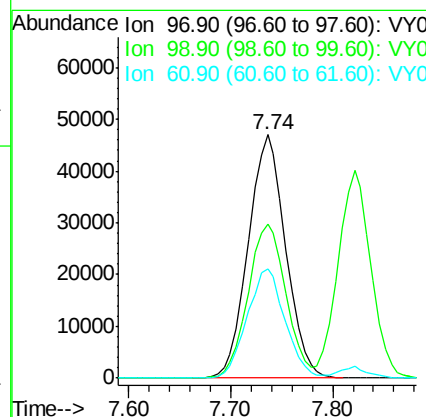
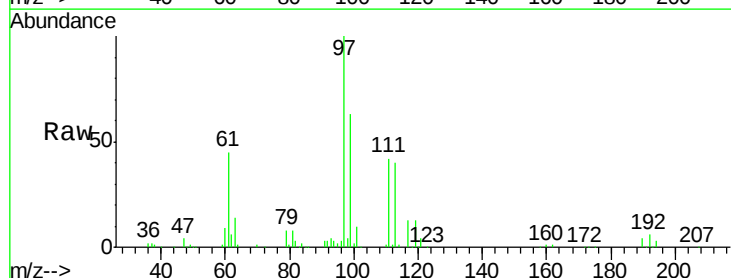
RT: 7.74 min Scan# 984

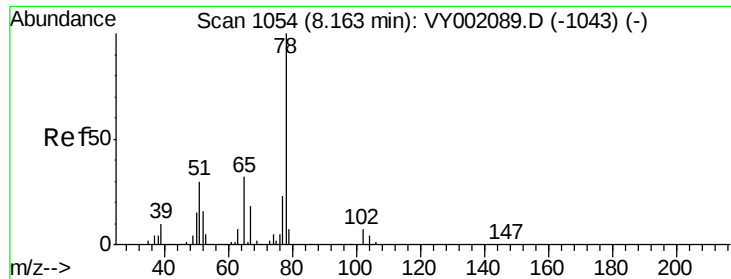
Delta R.T. 0.02 min

Lab File: VY002150.D

Acq: 31 Mar 2020 21:34

Tgt Ion:	97	Resp:	119822
Ion Ratio	Lower	Upper	
97	100		
99	64.1	52.0	78.0
61	45.5	35.7	53.5





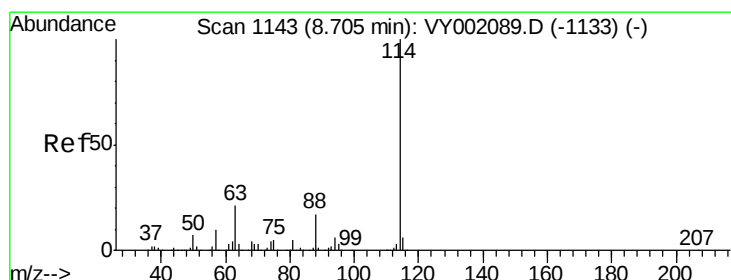
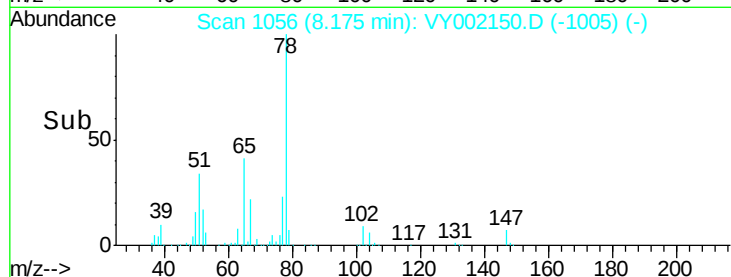
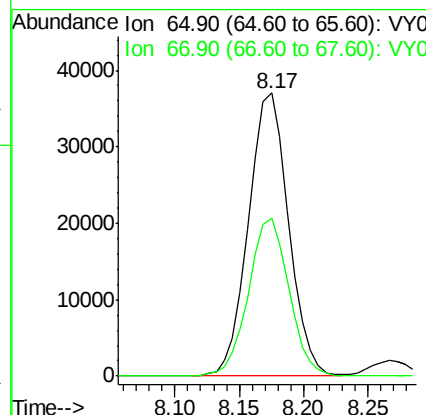
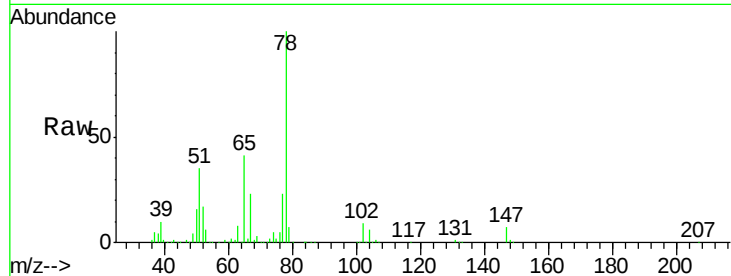
#33
 1,2-Dichloroethane-d4
 Concen: 48.293 ug/l
 RT: 8.17 min Scan# 1056
 Delta R.T. 0.01 min
 Lab File: VY002150.D
 Acq: 31 Mar 2020 21:34

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	56.4	0.0	112.8

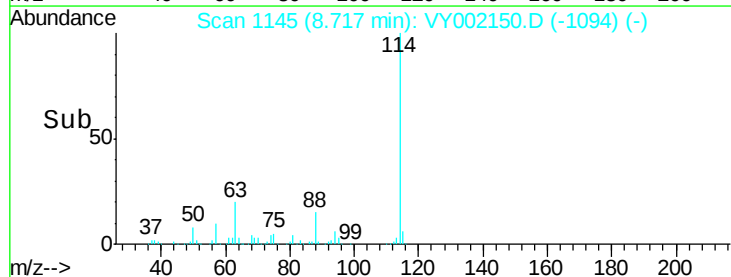
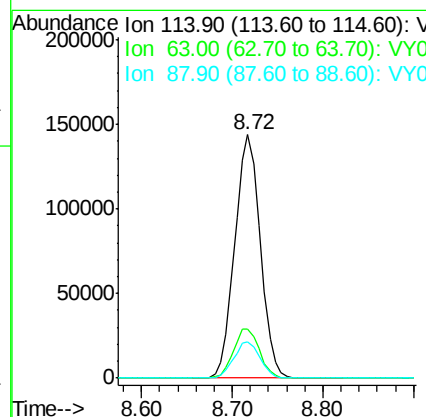
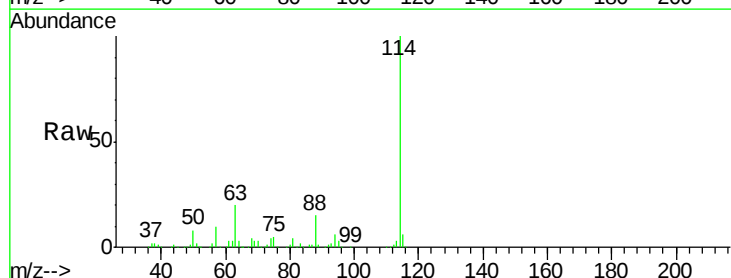
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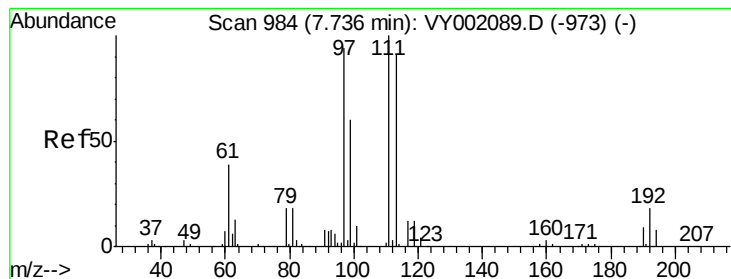
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.72 min Scan# 1145
 Delta R.T. 0.01 min
 Lab File: VY002150.D
 Acq: 31 Mar 2020 21:34

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	41.4
88	15.1	0.0	33.0





#35

Dibromofluoromethane

Concen: 47.377 ug/l

RT: 7.75 min Scan# 987

Delta R.T. 0.02 min

Lab File: VY002150.D

Acq: 31 Mar 2020 21:34

Instrument :

MSVOA_Y

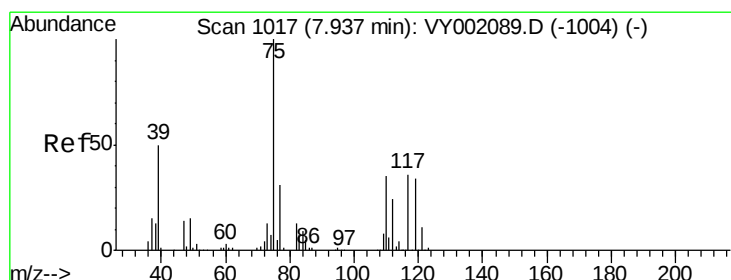
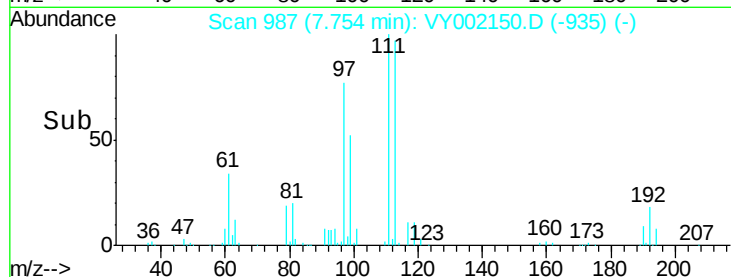
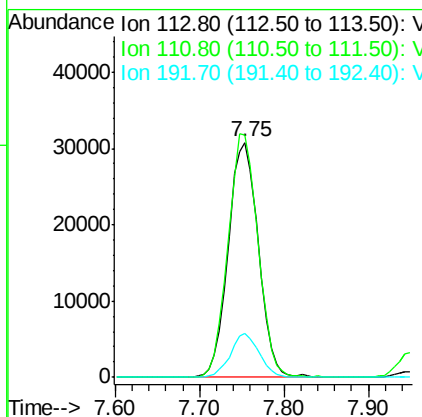
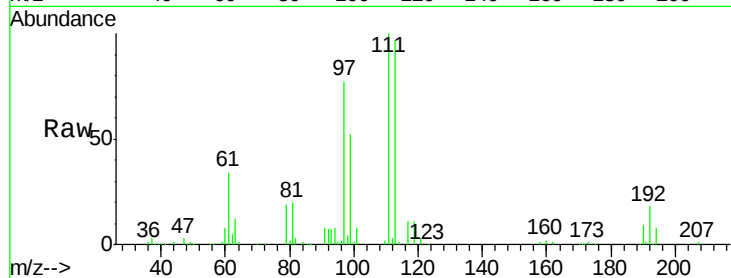
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	74658
Ion	Ratio	Lower	Upper
113	100		
111	103.1	84.4	126.6
192	17.7	14.6	21.8

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 44.663 ug/l

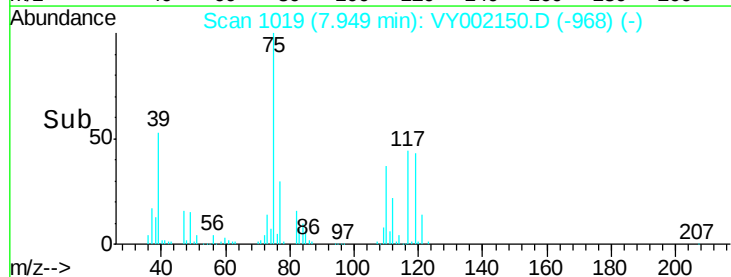
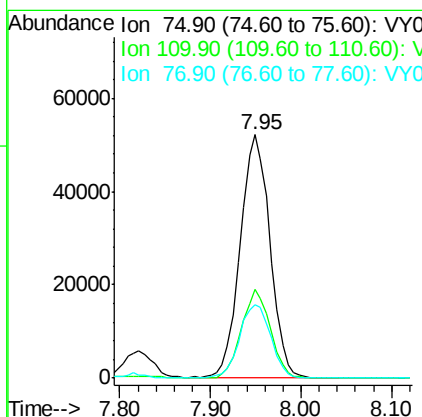
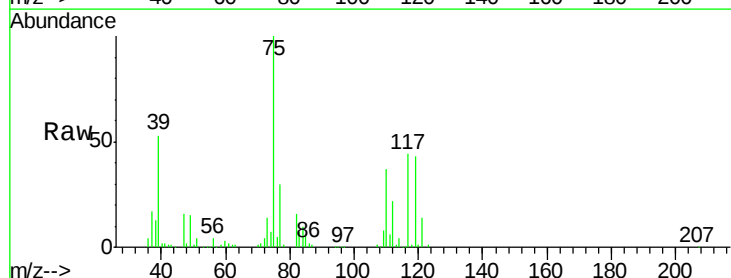
RT: 7.95 min Scan# 1019

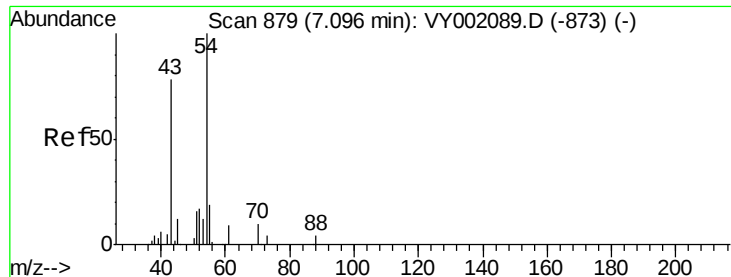
Delta R.T. 0.01 min

Lab File: VY002150.D

Acq: 31 Mar 2020 21:34

Tgt Ion:	75	Resp:	118810
Ion	Ratio	Lower	Upper
75	100		
110	35.2	17.2	51.6
77	31.7	24.7	37.1





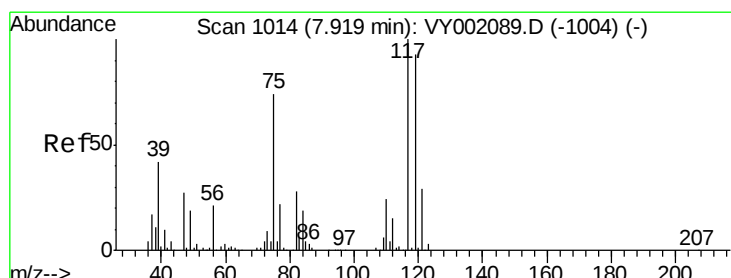
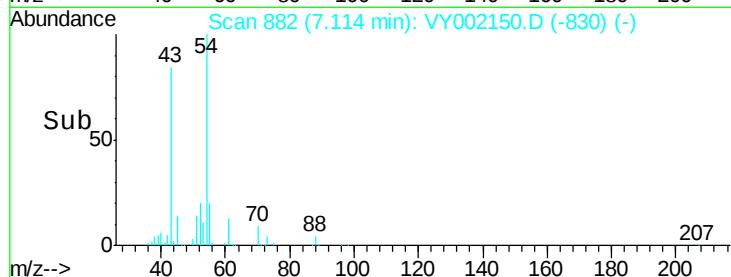
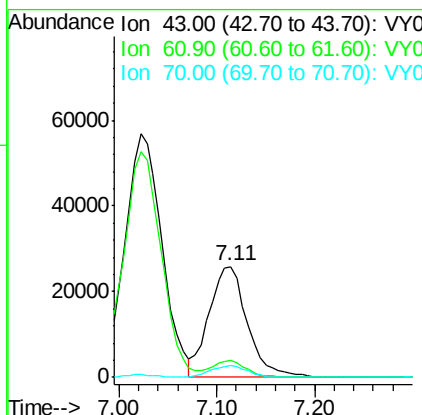
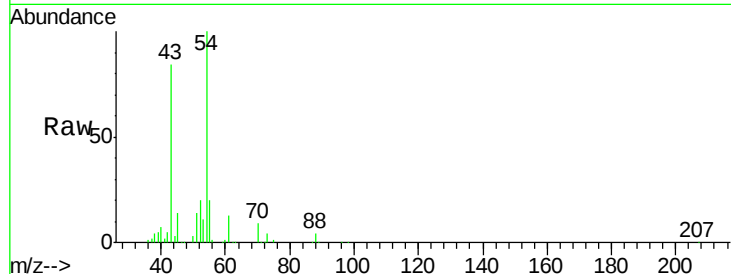
#37
Ethyl Acetate
Concen: 43.349 ug/l
RT: 7.11 min Scan# 882
Delta R.T. 0.02 min
Lab File: VY002150.D
Acq: 31 Mar 2020 21:34

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.3	11.2	16.8
70	10.3	8.2	12.4

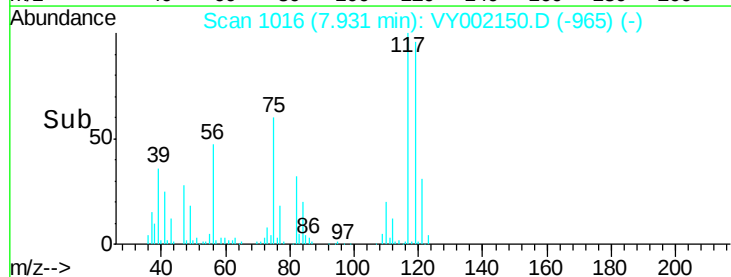
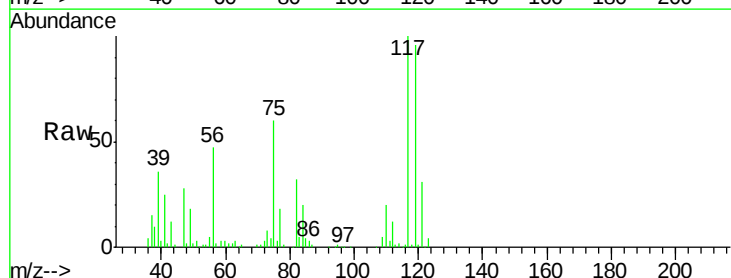
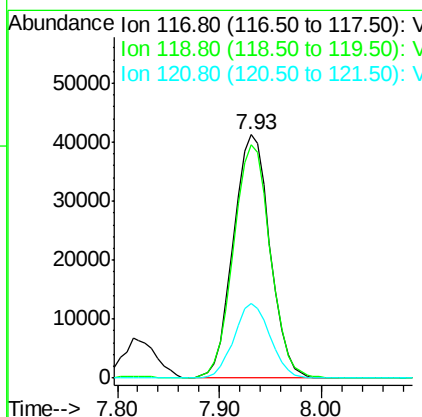
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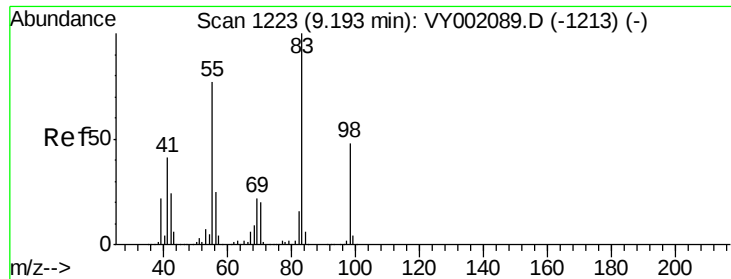
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#38
Carbon Tetrachloride
Concen: 45.508 ug/l
RT: 7.93 min Scan# 1016
Delta R.T. 0.01 min
Lab File: VY002150.D
Acq: 31 Mar 2020 21:34

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.6	74.3	111.5
121	30.7	23.3	34.9





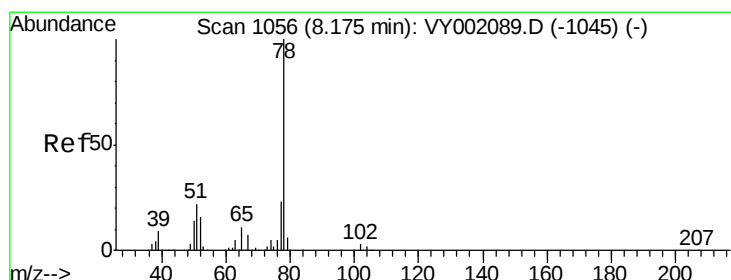
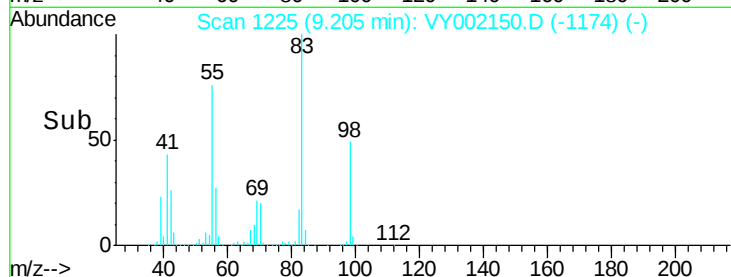
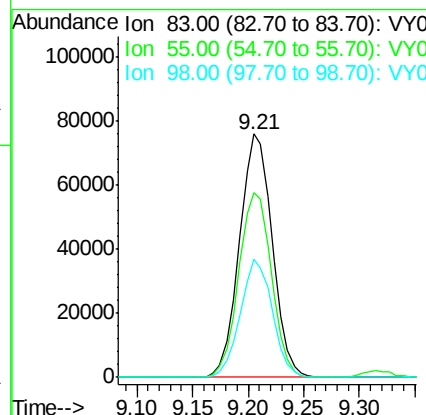
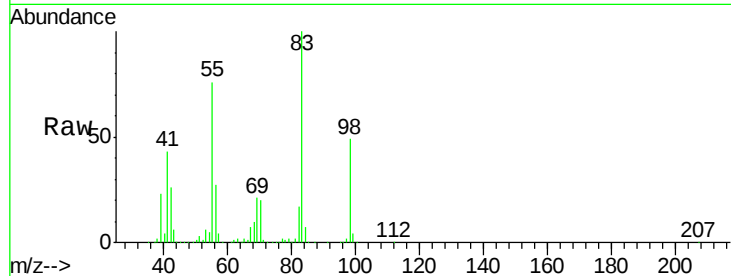
#39
Methvlcvclohexane
Concen: 44.406 ug/l
RT: 9.21 min Scan# 1225
Delta R.T. 0.01 min
Lab File: VY002150.D
Acq: 31 Mar 2020 21:34

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.0	61.2	91.8
98	48.5	38.2	57.2

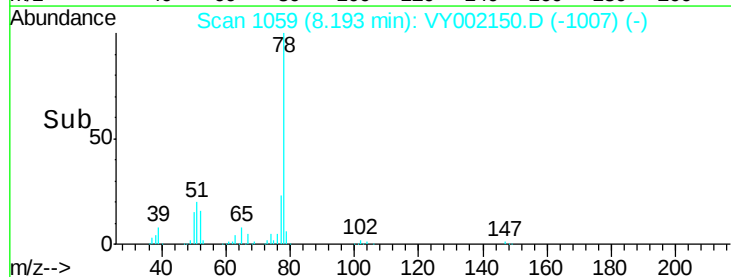
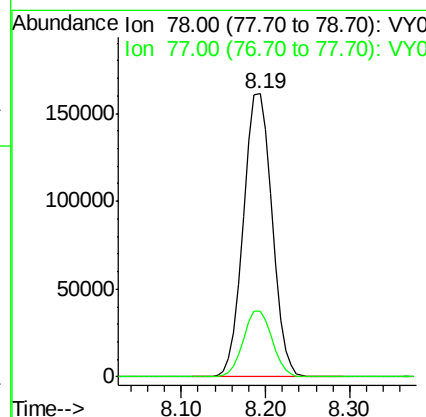
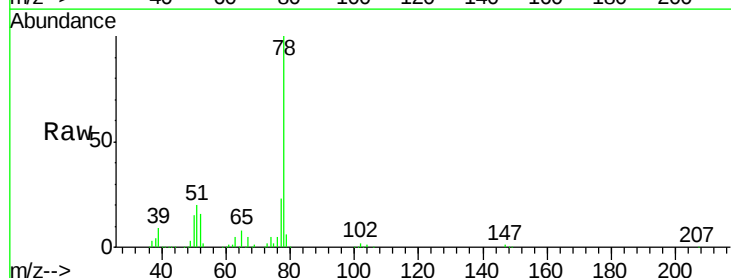
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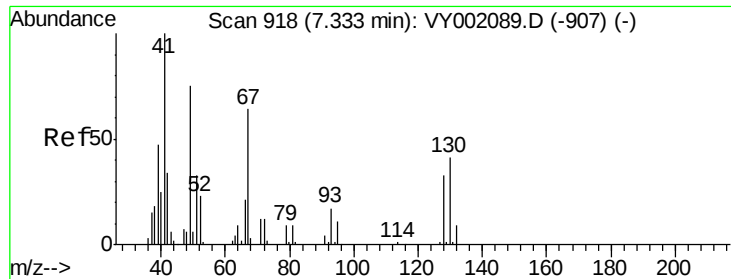
MMDadoda
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#40
Benzene
Concen: 46.759 ug/l
RT: 8.19 min Scan# 1059
Delta R.T. 0.02 min
Lab File: VY002150.D
Acq: 31 Mar 2020 21:34

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.2	27.4





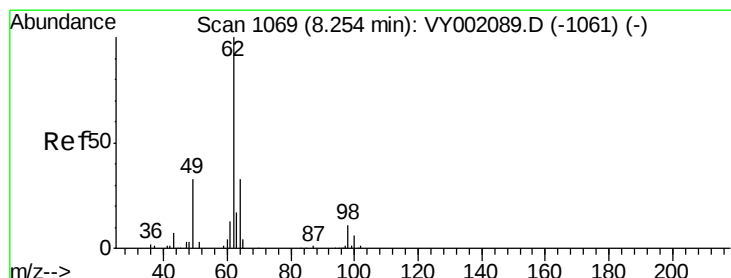
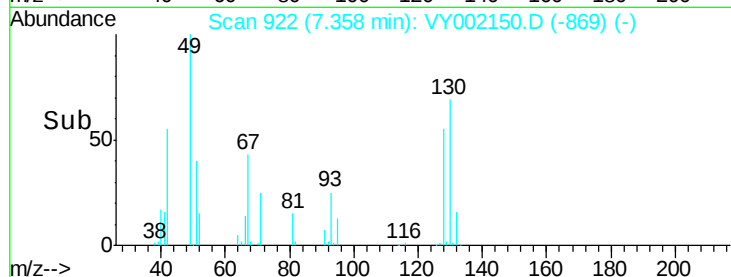
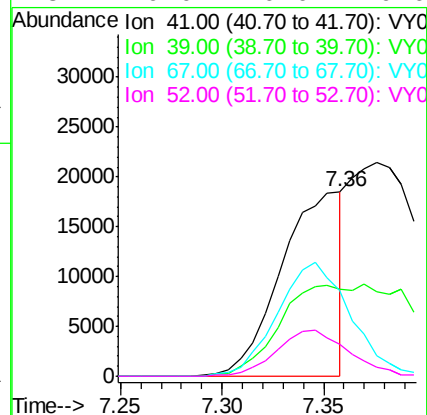
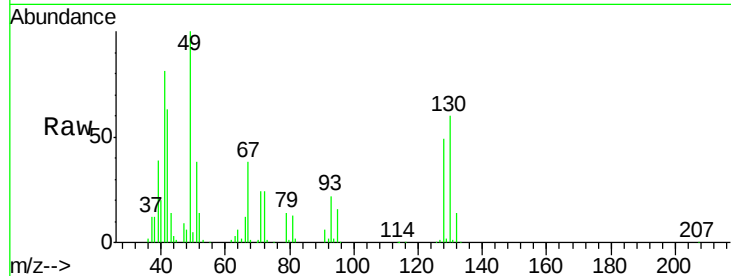
#41
Methacrylonitrile
Concen: 47.883 ug/l m
RT: 7.36 min Scan# 922
Delta R.T. 0.02 min
Lab File: VY002150.D
Acq: 31 Mar 2020 21:34

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot 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

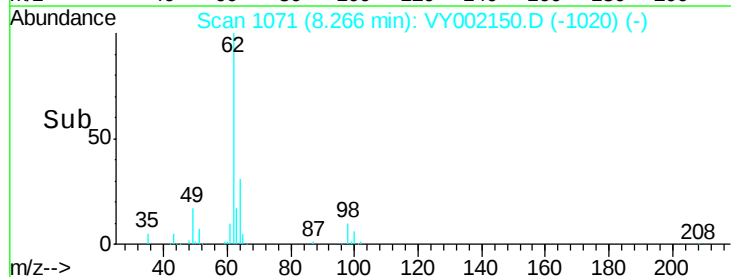
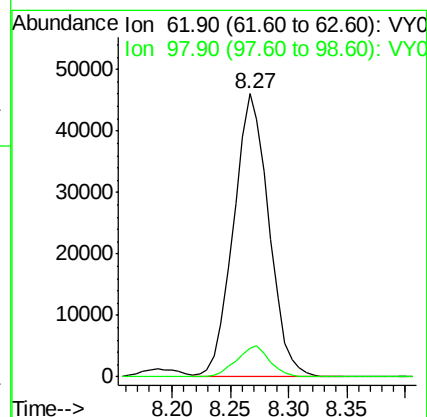
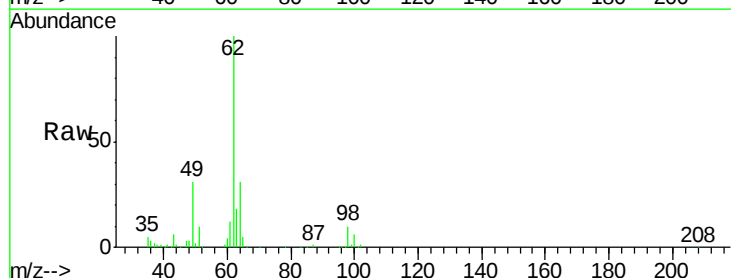
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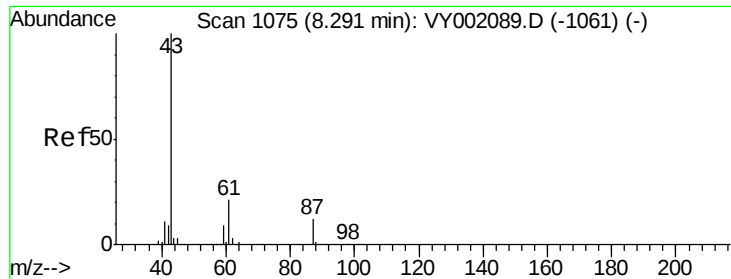
MMDadoda
4/1/2020 7:29:36 PM



#42
1,2-Dichloroethane
Concen: 46.479 ug/l
RT: 8.27 min Scan# 1071
Delta R.T. 0.01 min
Lab File: VY002150.D
Acq: 31 Mar 2020 21:34

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	21.2





#43

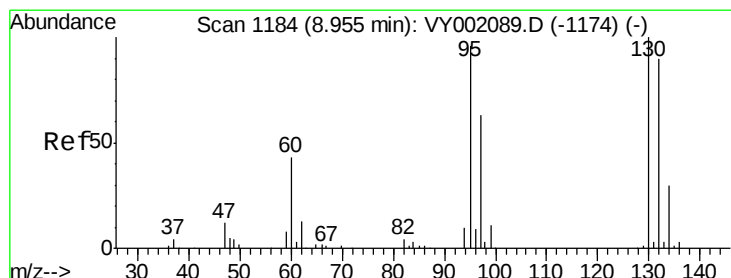
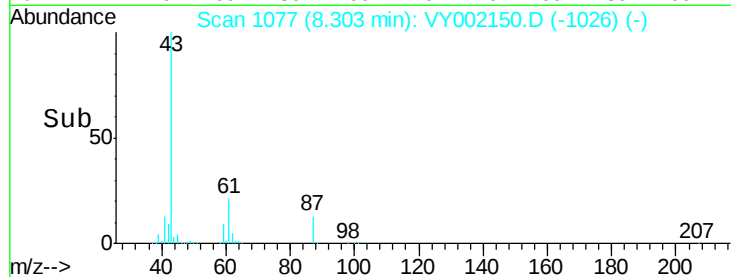
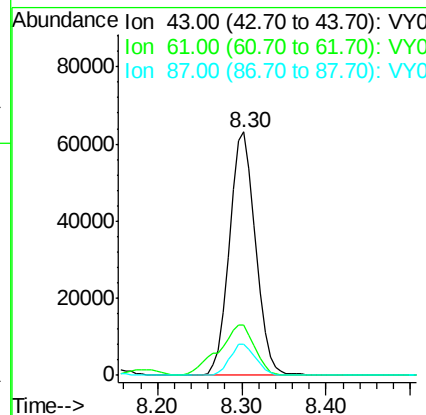
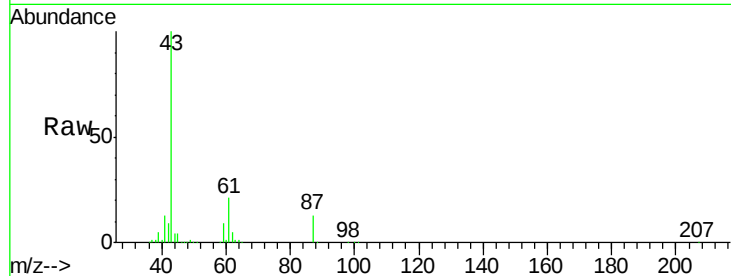
Isopropyl Acetate
 Concen: 44.706 ug/l
 RT: 8.30 min Scan# 1077
 Delta R.T. 0.01 min
 Lab File: VY002150.D
 Acq: 31 Mar 2020 21:34

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.7	23.4	35.2
87	12.7	10.2	15.4

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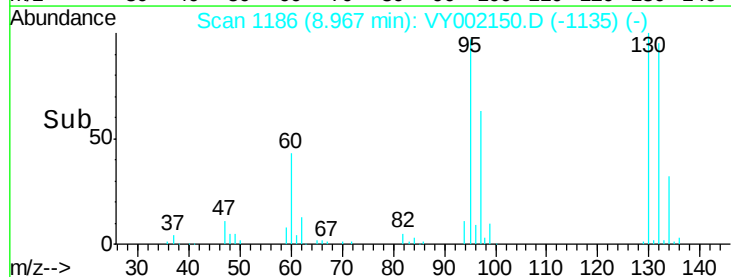
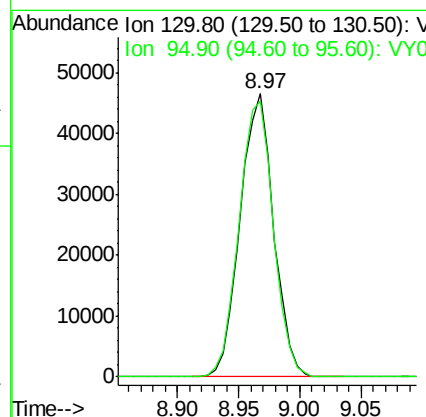
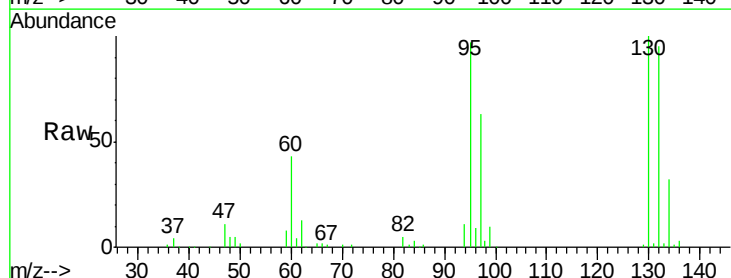
MMDadoda
 4/1/2020 7:29:36 PM

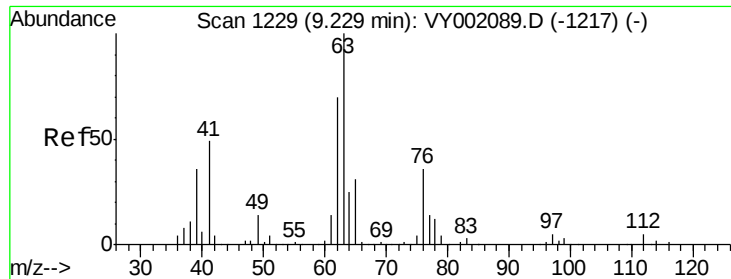


#44

Trichloroethene
 Concen: 46.317 ug/l
 RT: 8.97 min Scan# 1186
 Delta R.T. 0.01 min
 Lab File: VY002150.D
 Acq: 31 Mar 2020 21:34

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.5	0.0	193.0





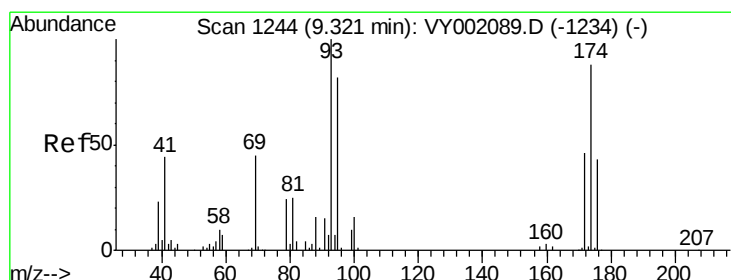
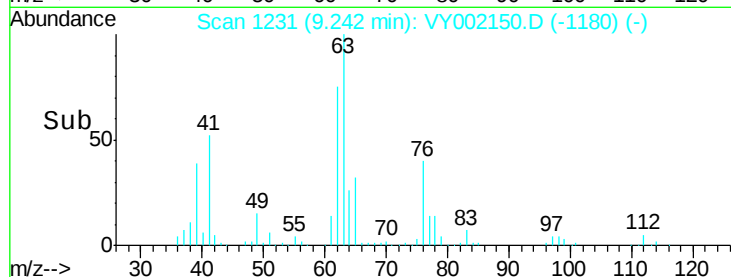
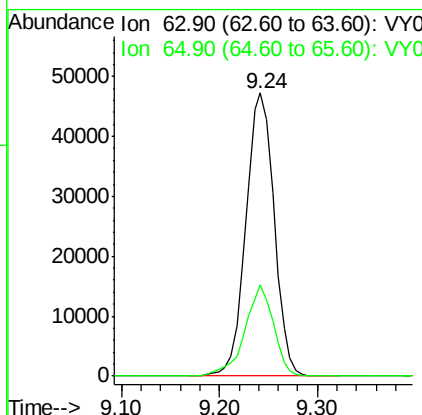
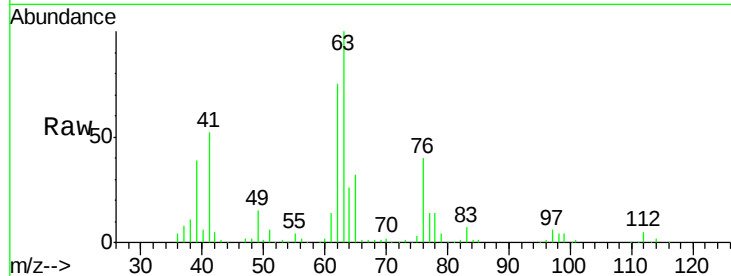
#45
 1,2-Dichloropropane
 Concen: 47.324 ug/l
 RT: 9.24 min Scan# 1231
 Delta R.T. 0.01 min
 Lab File: VY002150.D
 Acq: 31 Mar 2020 21:34

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 94947
 Ion Ratio Lower Upper
 63 100
 65 32.2 25.0 37.6

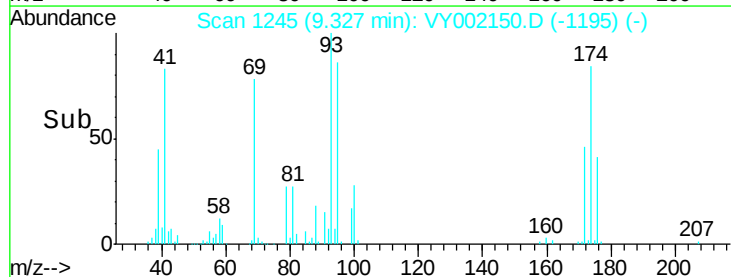
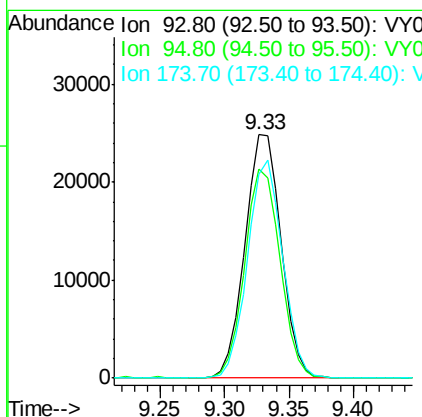
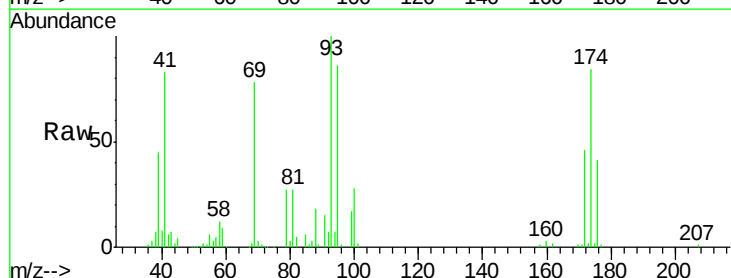
Manual Integrations
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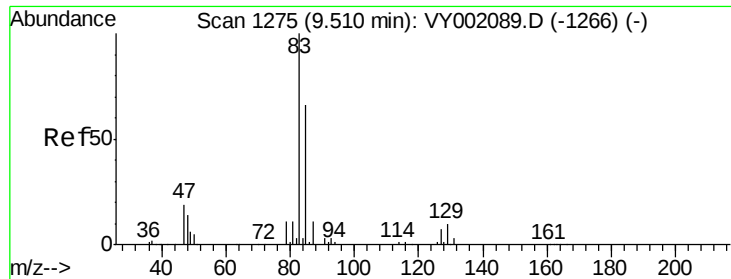
MMDadoda
 4/1/2020 7:29:36 PM



#46
 Dibromomethane
 Concen: 46.797 ug/l
 RT: 9.33 min Scan# 1245
 Delta R.T. 0.01 min
 Lab File: VY002150.D
 Acq: 31 Mar 2020 21:34

Tgt Ion: 93 Resp: 48218
 Ion Ratio Lower Upper
 93 100
 95 83.9 66.0 99.0
 174 86.8 69.8 104.8





#47

Bromodichloromethane

Concen: 47.785 ug/l

RT: 9.52 min Scan# 1277

Delta R.T. 0.01 min

Lab File: VY002150.D

Acq: 31 Mar 2020 21:34

Instrument :

MSVOA_Y

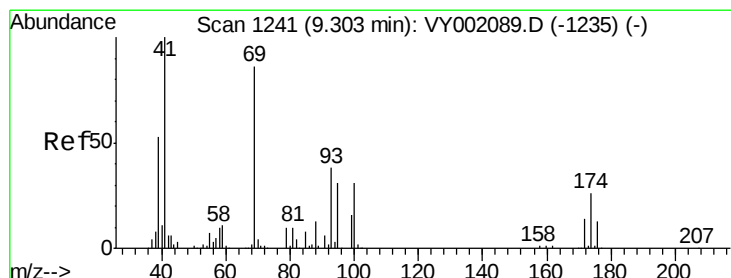
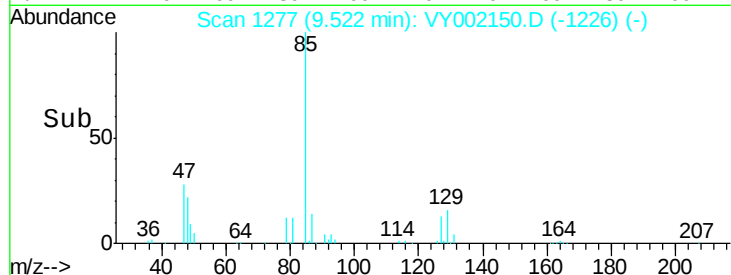
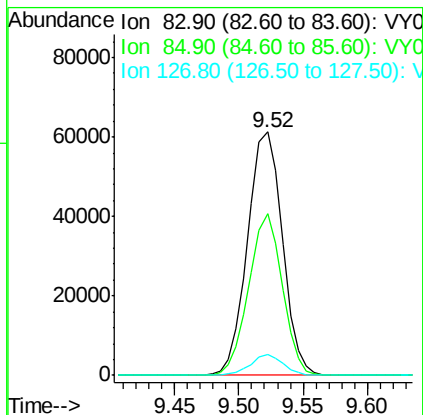
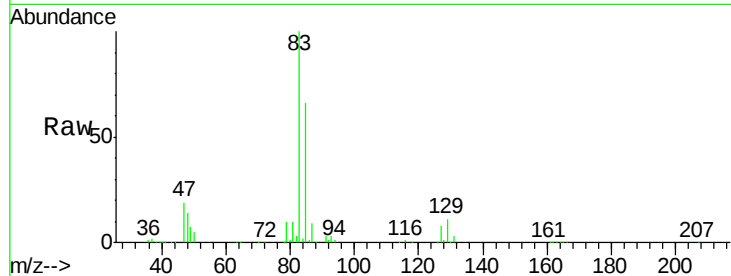
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	114619
Ion	Ratio	Lower	Upper
83	100		
85	66.3	52.6	79.0
127	8.3	5.9	8.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 43.933 ug/l

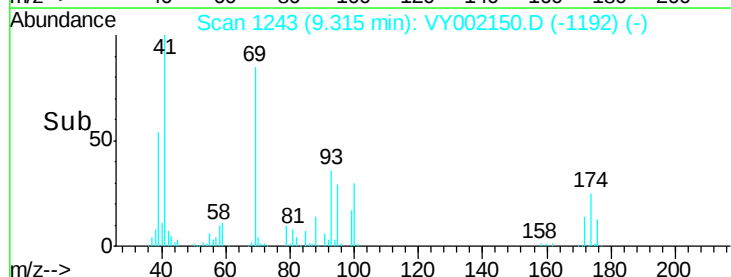
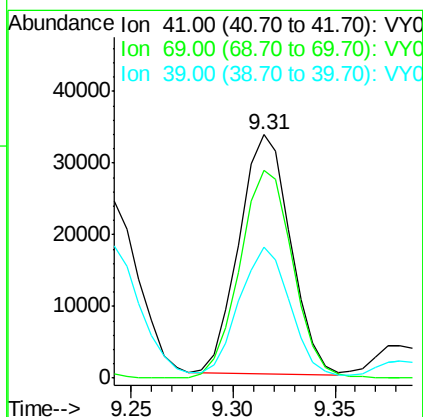
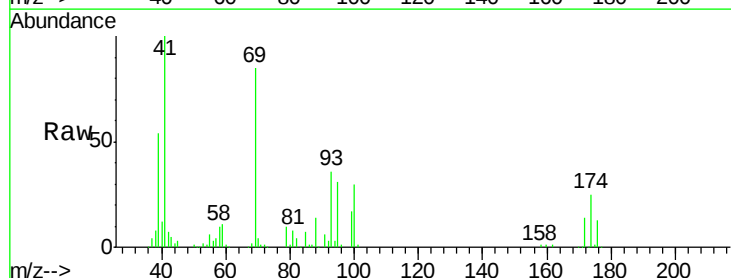
RT: 9.31 min Scan# 1243

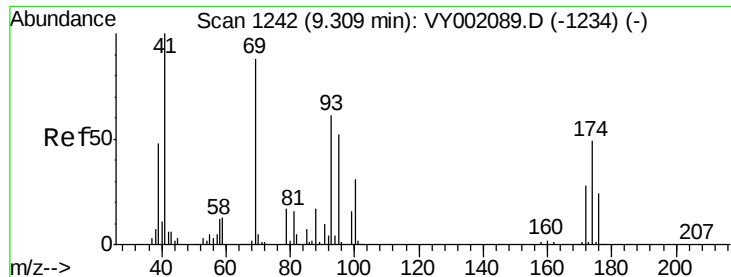
Delta R.T. 0.01 min

Lab File: VY002150.D

Acq: 31 Mar 2020 21:34

Tgt Ion:	41	Resp:	58741
Ion	Ratio	Lower	Upper
41	100		
69	89.3	71.4	107.0
39	55.5	41.0	61.4





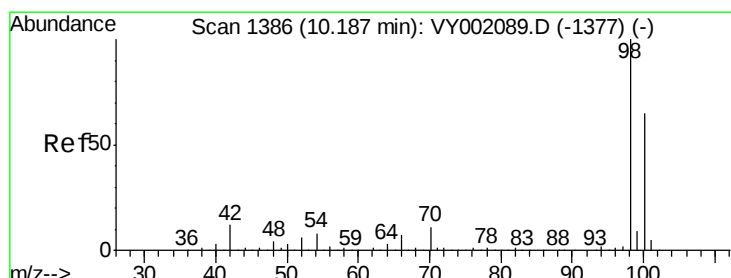
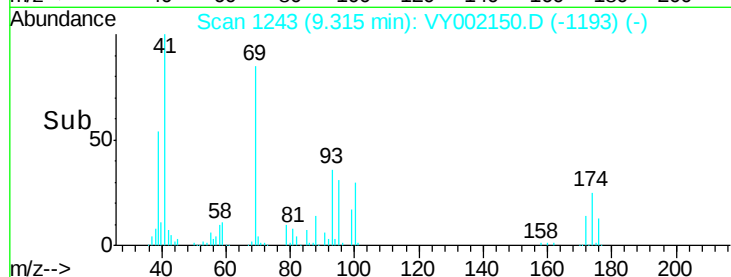
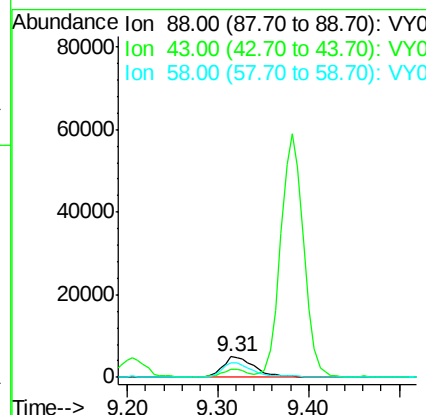
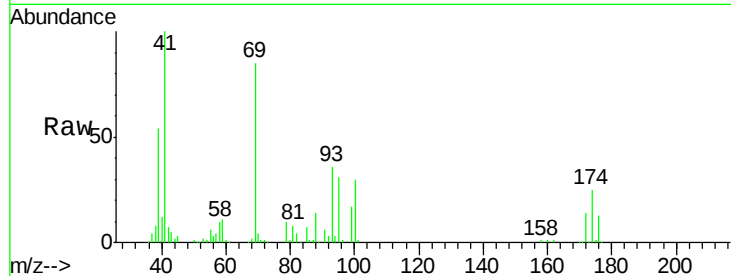
#49
1,4-Dioxane
Concen: 874.307 ug/l
RT: 9.31 min Scan# 1243
Delta R.T. 0.01 min
Lab File: VY002150.D
Acq: 31 Mar 2020 21:34

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.9	27.2	40.8
58	65.0	59.8	89.8

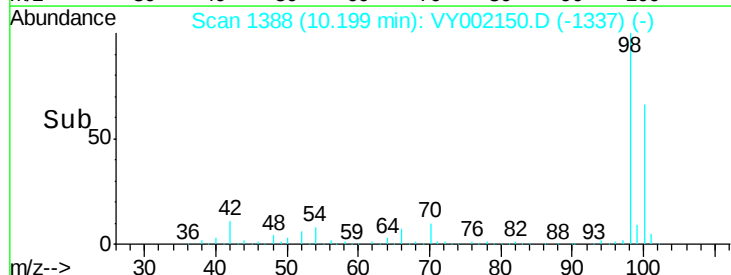
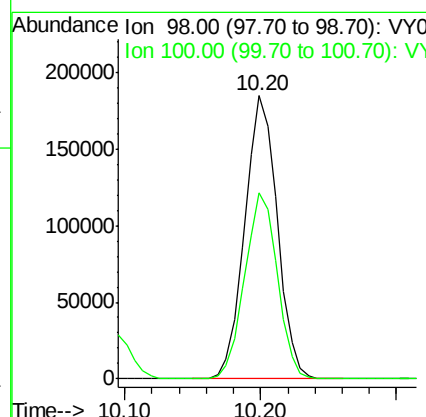
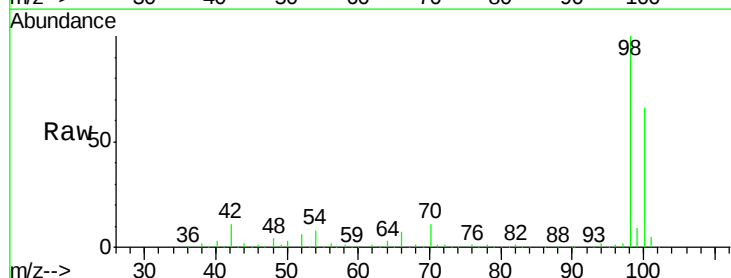
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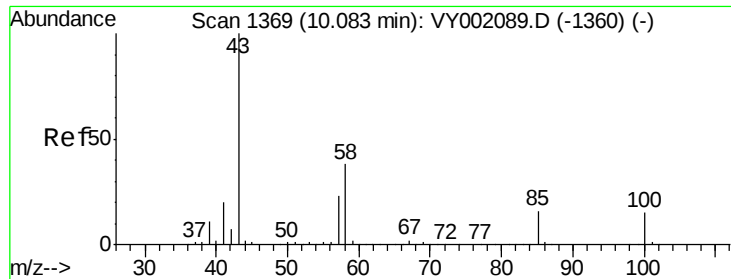
MMDadoda
4/1/2020 7:29:36 PM



#50
Toluene-d8
Concen: 47.279 ug/l
RT: 10.20 min Scan# 1388
Delta R.T. 0.01 min
Lab File: VY002150.D
Acq: 31 Mar 2020 21:34

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.9	51.6	77.4





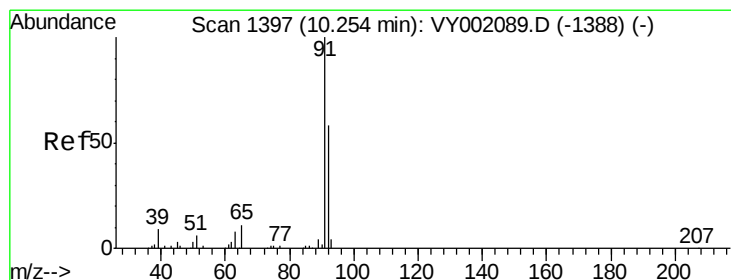
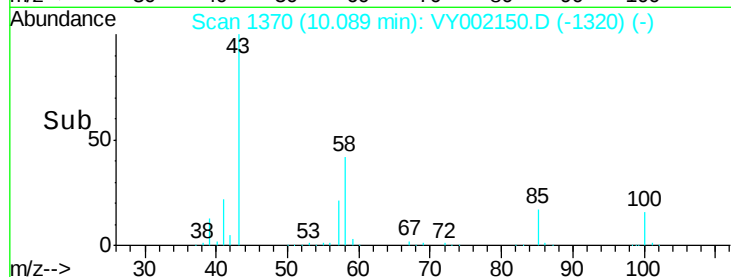
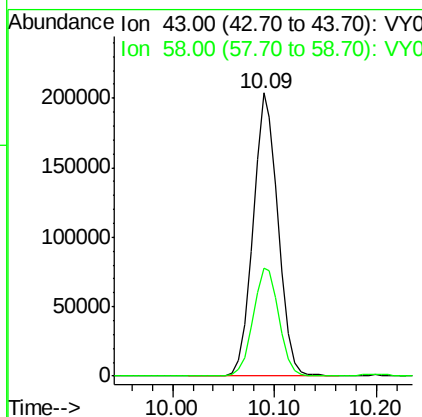
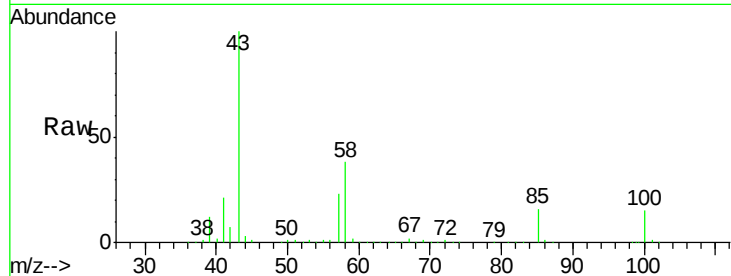
#51
4-Methyl-2-Pentanone
Concen: 225.777 ug/l
RT: 10.09 min Scan# 1370
Delta R.T. 0.01 min
Lab File: VY002150.D
Acq: 31 Mar 2020 21:34

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.5	31.6	47.4

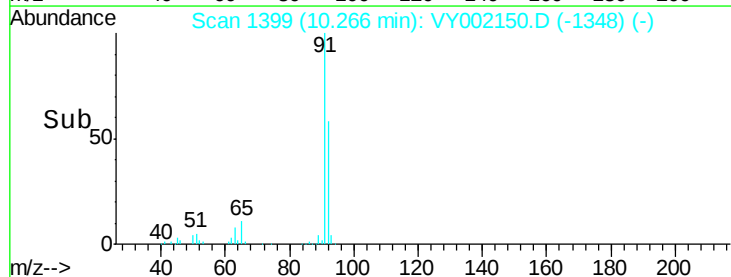
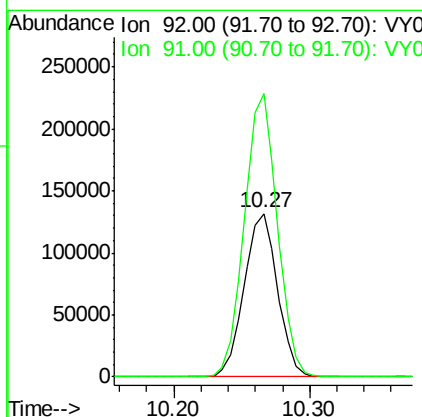
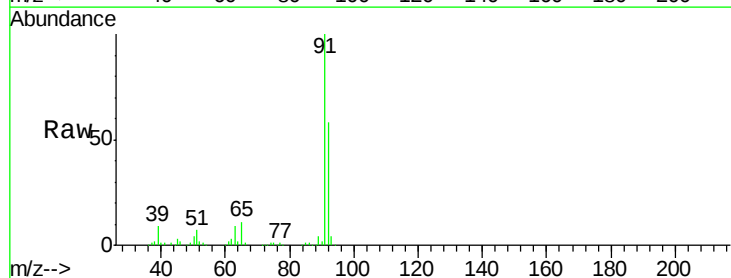
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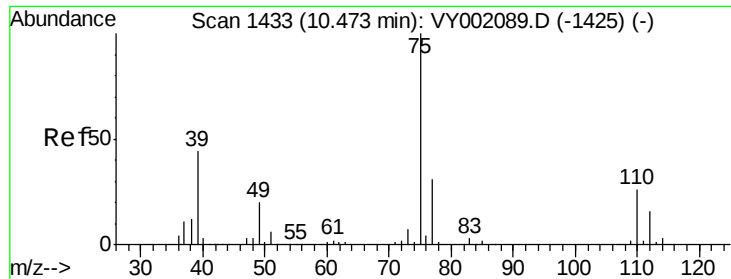
MMDadoda
4/1/2020 7:29:36 PM



#52
Toluene
Concen: 47.294 ug/l
RT: 10.27 min Scan# 1399
Delta R.T. 0.01 min
Lab File: VY002150.D
Acq: 31 Mar 2020 21:34

Tgt Ion	Ratio	Lower	Upper
92	100		
91	171.9	139.3	208.9





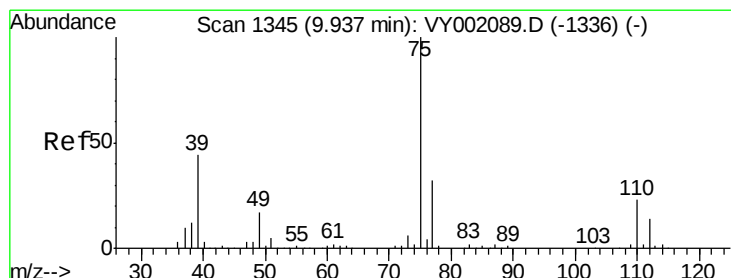
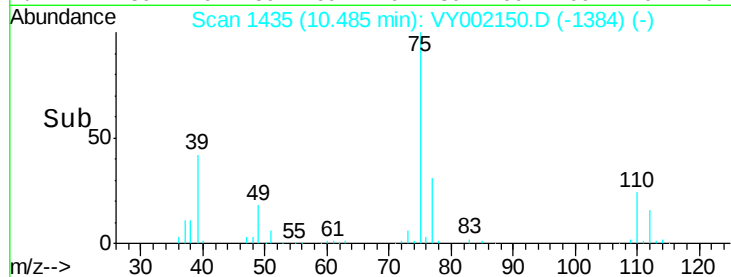
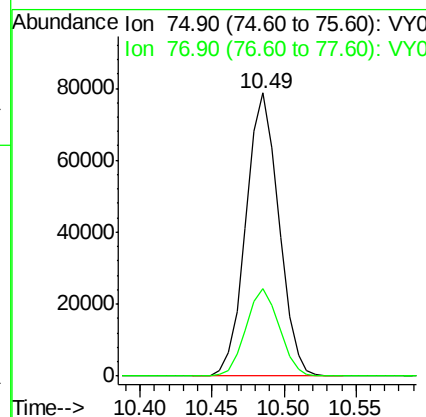
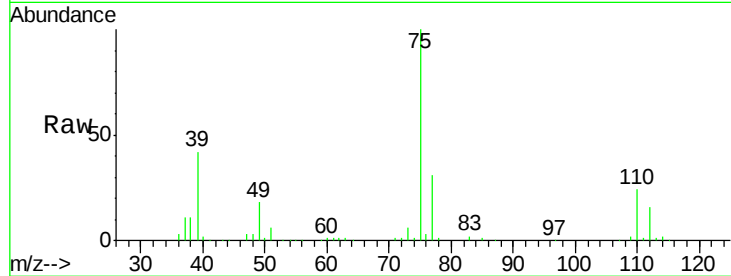
#53
t-1,3-Dichloropropene
Concen: 46.785 ug/l
RT: 10.49 min Scan# 1435
Delta R.T. 0.01 min
Lab File: VY002150.D
Acq: 31 Mar 2020 21:34

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 124557
Ion Ratio Lower Upper
75 100
77 30.8 25.2 37.8

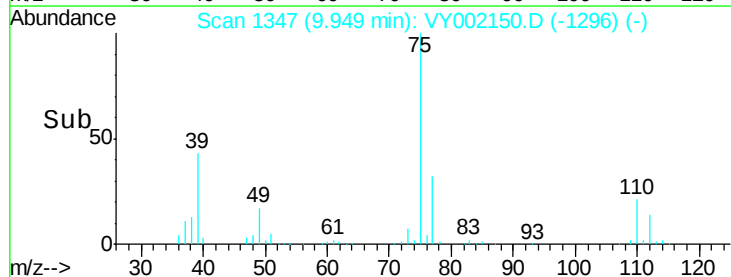
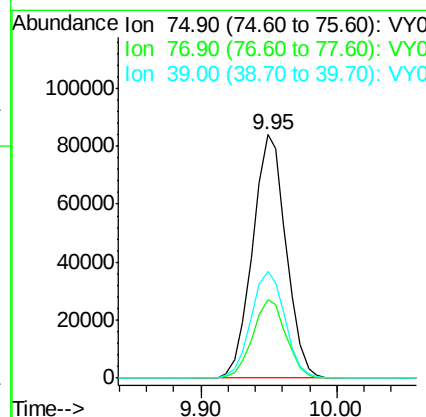
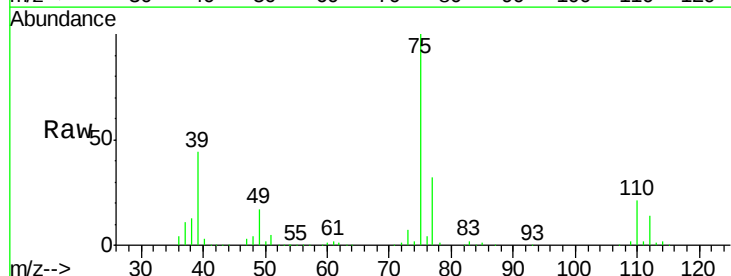
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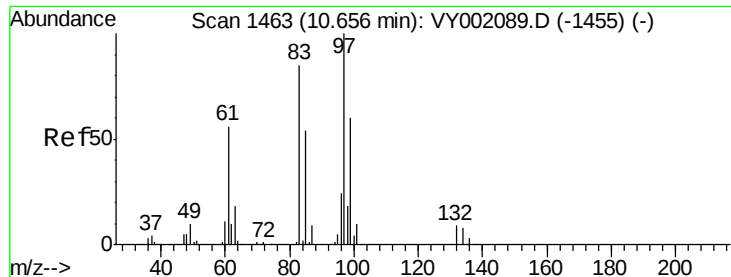
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#54
cis-1,3-Dichloropropene
Concen: 46.283 ug/l
RT: 9.95 min Scan# 1347
Delta R.T. 0.01 min
Lab File: VY002150.D
Acq: 31 Mar 2020 21:34

Tgt Ion: 75 Resp: 145076
Ion Ratio Lower Upper
75 100
77 32.3 25.6 38.4
39 43.8 35.2 52.8





#55

1,1,2-Trichloroethane

Concen: 46.471 ug/l

RT: 10.66 min Scan# 1464

Delta R.T. 0.01 min

Lab File: VY002150.D

Acq: 31 Mar 2020 21:34

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 70868

Ion Ratio Lower Upper

97 100

83 84.8 68.2 102.2

85 56.1 42.9 64.3

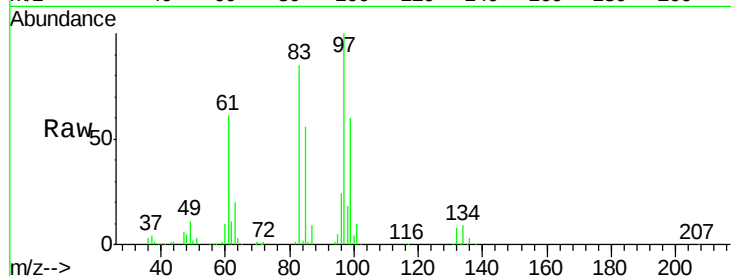
99 59.9 47.9 71.9

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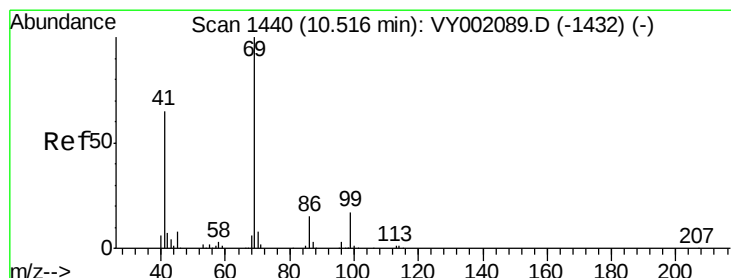
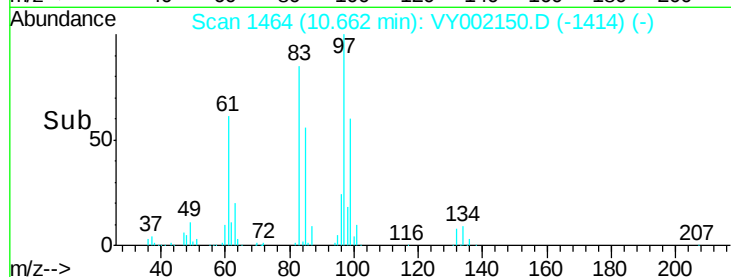
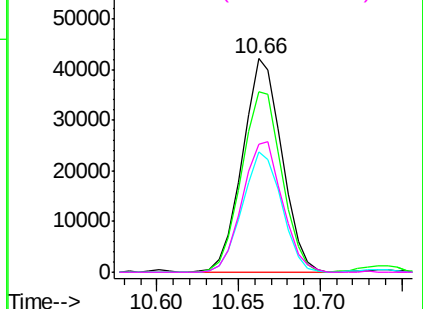


Abundance Ion 96.90 (96.60 to 97.60): VY0

Ion 82.90 (82.60 to 83.60): VY0

Ion 84.90 (84.60 to 85.60): VY0

Ion 98.90 (98.60 to 99.60): VY0



#56

Ethyl methacrylate

Concen: 45.806 ug/l

RT: 10.53 min Scan# 1442

Delta R.T. 0.01 min

Lab File: VY002150.D

Acq: 31 Mar 2020 21:34

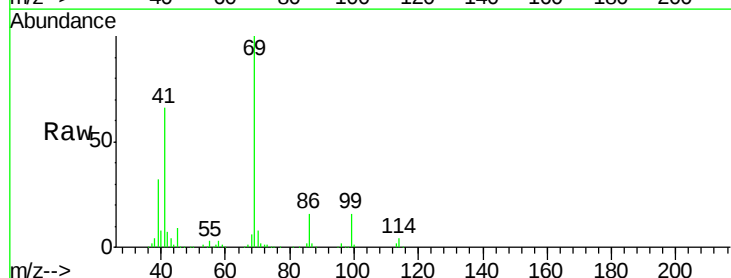
Tgt Ion: 69 Resp: 102027

Ion Ratio Lower Upper

69 100

41 64.8 52.8 79.2

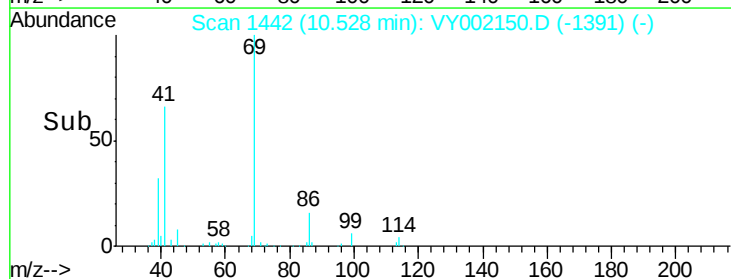
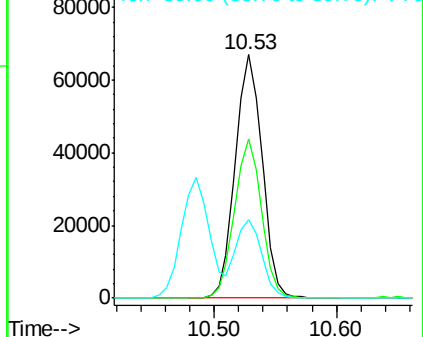
39 30.8 25.0 37.6

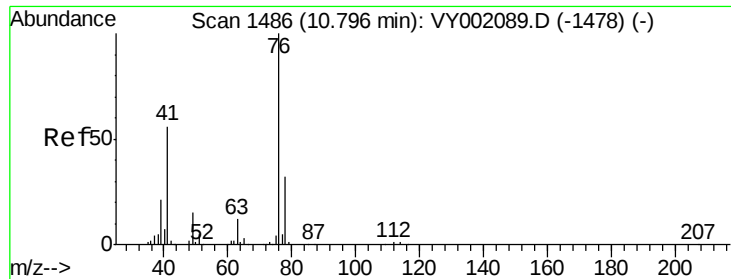


Abundance Ion 69.00 (68.70 to 69.70): VY0

Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0





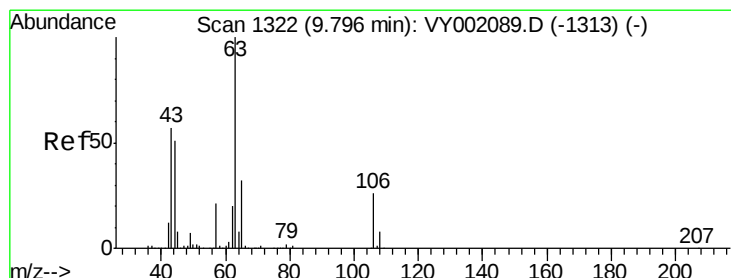
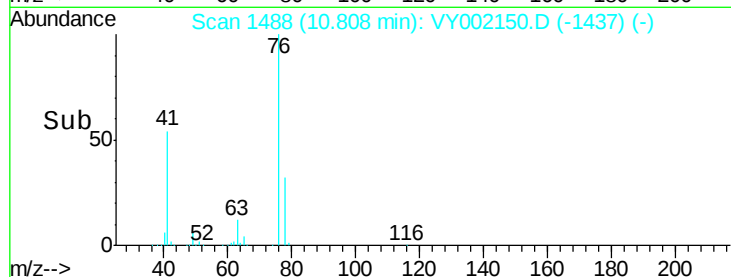
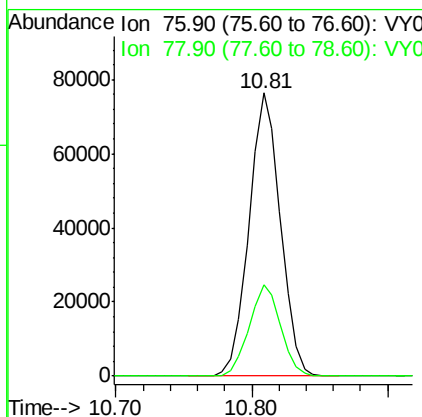
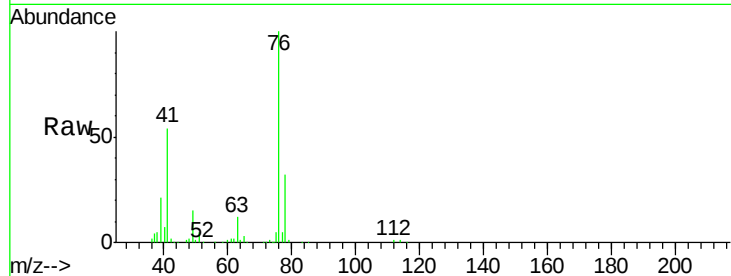
#57
 1,3-Dichloropropane
 Concen: 45.906 ug/l
 RT: 10.81 min Scan# 1488
 Delta R.T. 0.01 min
 Lab File: VY002150.D
 Acq: 31 Mar 2020 21:34

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	26.1	39.1

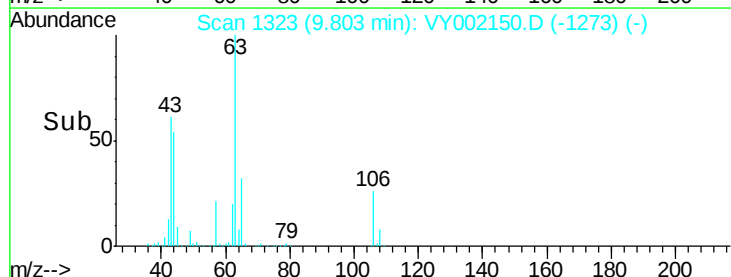
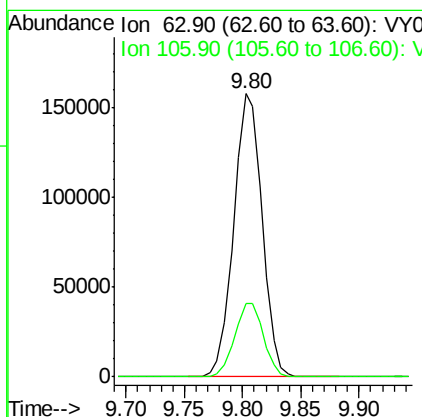
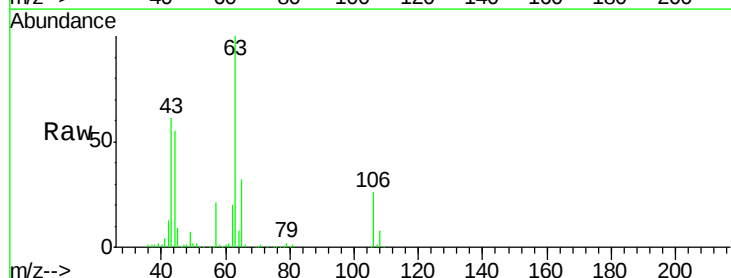
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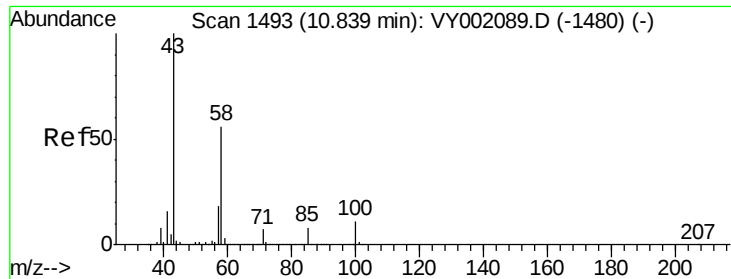
MMDadoda
 4/1/2020 7:29:36 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 233.719 ug/l
 RT: 9.80 min Scan# 1323
 Delta R.T. 0.01 min
 Lab File: VY002150.D
 Acq: 31 Mar 2020 21:34

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.4	21.0	31.4





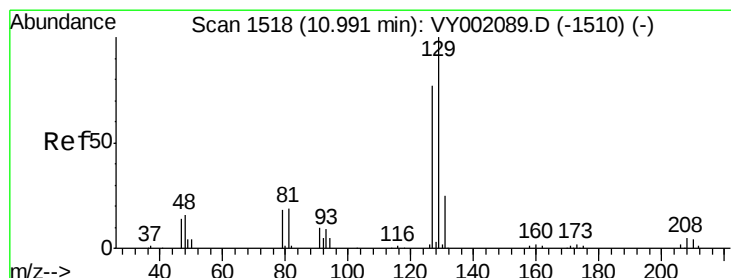
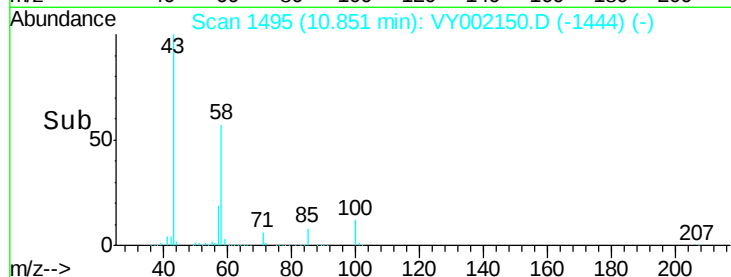
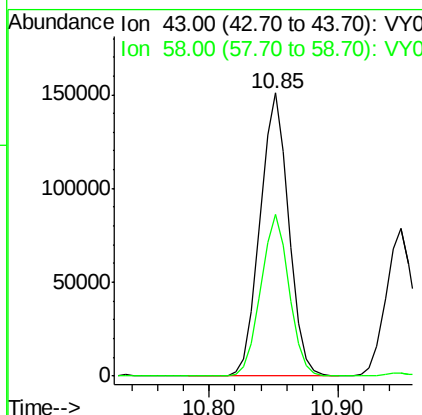
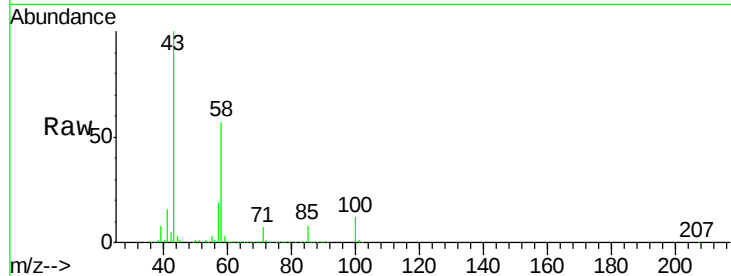
#59
2-Hexanone
Concen: 214.272 ug/l
RT: 10.85 min Scan# 1495
Delta R.T. 0.01 min
Lab File: VY002150.D
Acq: 31 Mar 2020 21:34

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 231890
Ion Ratio Lower Upper
43 100
58 56.4 27.9 83.6

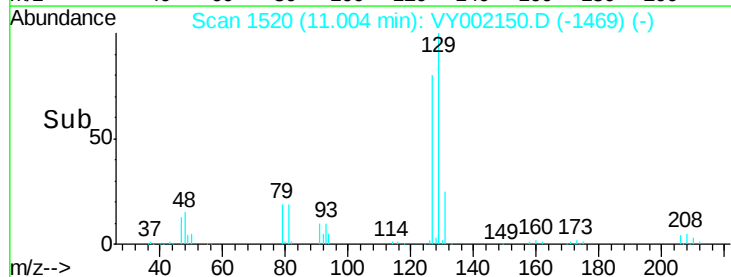
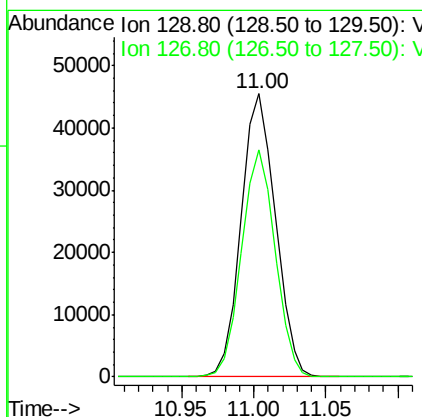
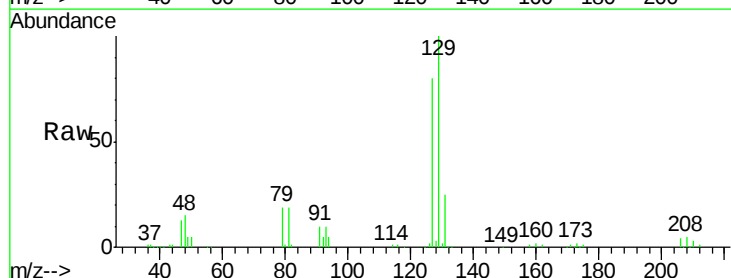
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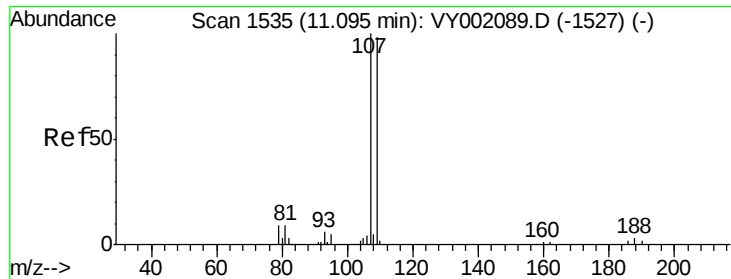
MMDadoda
4/1/2020 7:29:36 PM



#60
Dibromochloromethane
Concen: 47.149 ug/l
RT: 11.00 min Scan# 1520
Delta R.T. 0.01 min
Lab File: VY002150.D
Acq: 31 Mar 2020 21:34

Tgt Ion: 129 Resp: 75240
Ion Ratio Lower Upper
129 100
127 78.3 38.7 116.1





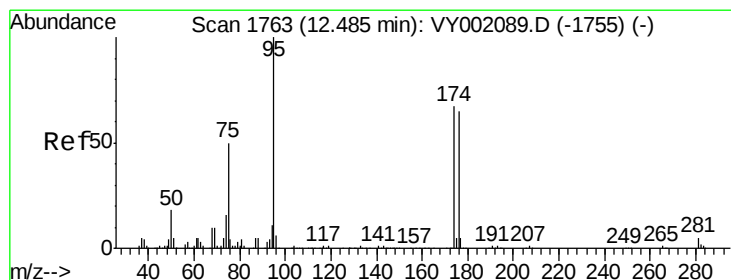
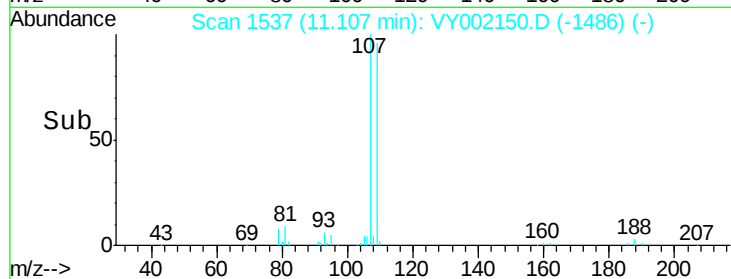
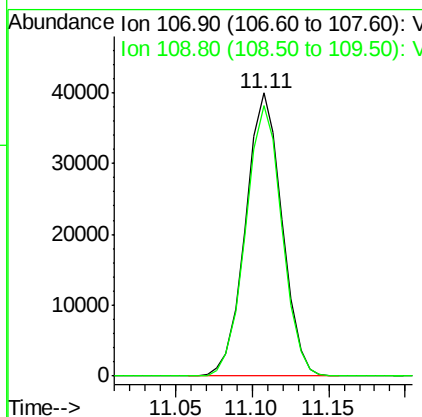
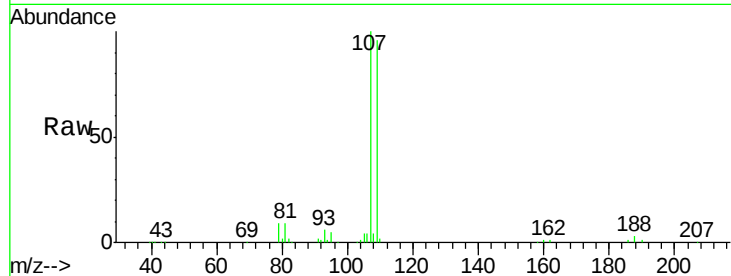
#61
 1,2-Dibromoethane
 Concen: 46.219 ug/l
 RT: 11.11 min Scan# 1537
 Delta R.T. 0.01 min
 Lab File: VY002150.D
 Acq: 31 Mar 2020 21:34

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 107 Resp: 65972
 Ion Ratio Lower Upper
 107 100
 109 95.5 76.3 114.5

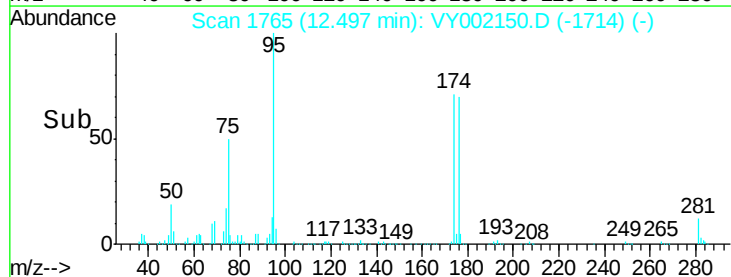
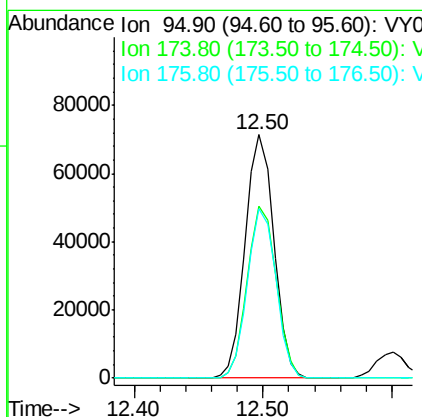
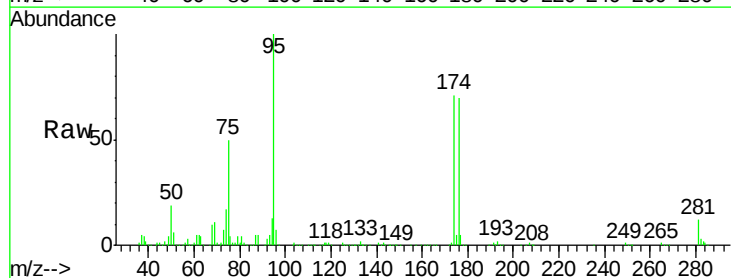
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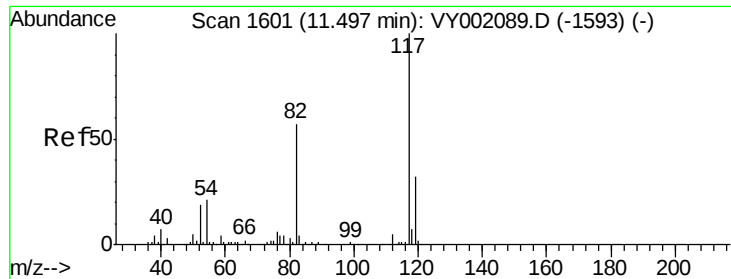
MMDadoda
 4/1/2020 7:29:36 PM



#62
 4-Bromofluorobenzene
 Concen: 48.093 ug/l
 RT: 12.50 min Scan# 1765
 Delta R.T. 0.01 min
 Lab File: VY002150.D
 Acq: 31 Mar 2020 21:34

Tgt Ion: 95 Resp: 110108
 Ion Ratio Lower Upper
 95 100
 174 71.4 0.0 143.4
 176 69.2 0.0 137.0





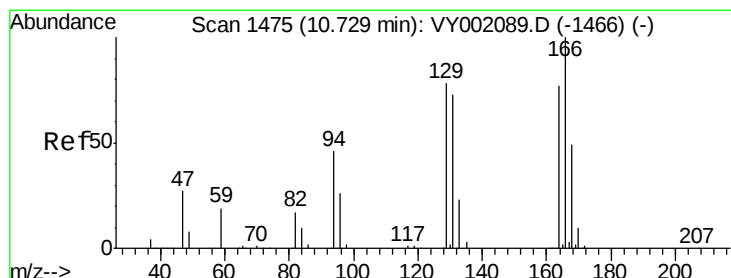
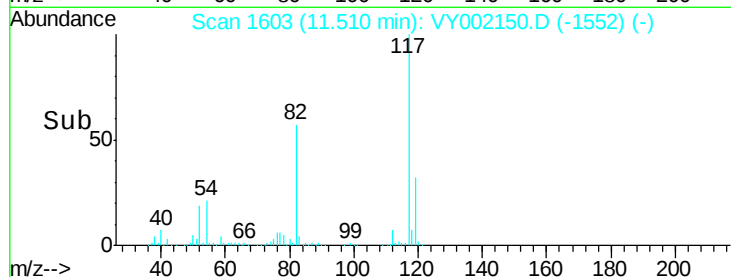
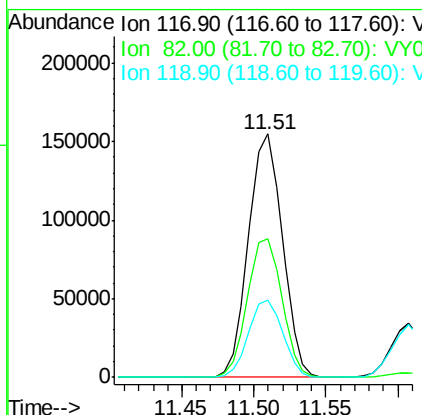
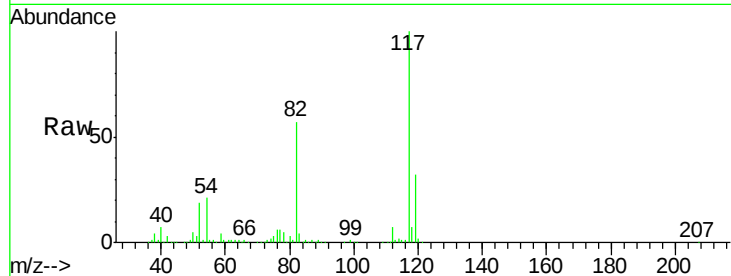
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.51 min Scan# 1603
Delta R.T. 0.01 min
Lab File: VY002150.D
Acq: 31 Mar 2020 21:34

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	253479		
82	56.7		45.4	68.2
119	31.8		25.3	37.9

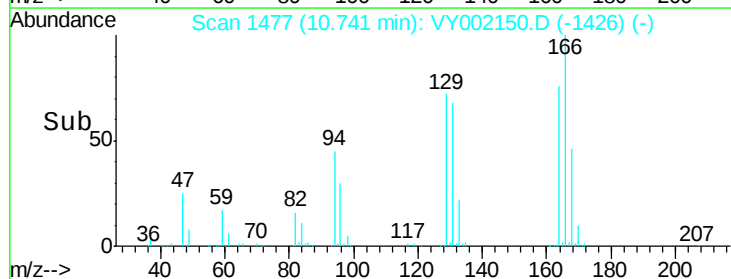
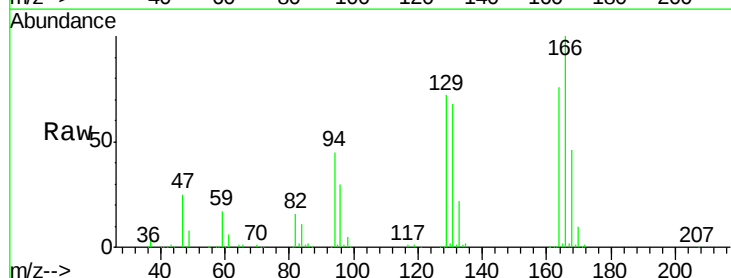
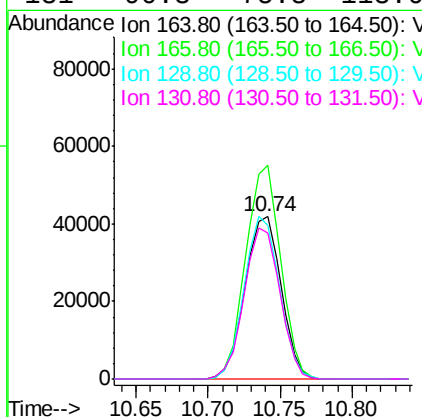
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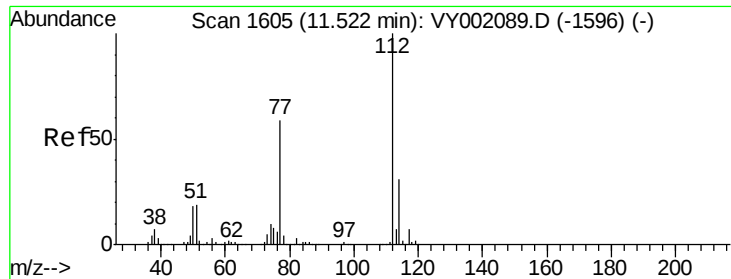
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#64
Tetrachloroethene
Concen: 46.767 ug/l
RT: 10.74 min Scan# 1477
Delta R.T. 0.01 min
Lab File: VY002150.D
Acq: 31 Mar 2020 21:34

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	72529		
166	131.8		104.0	156.0
129	95.0		81.2	121.8
131	90.3		75.8	113.6





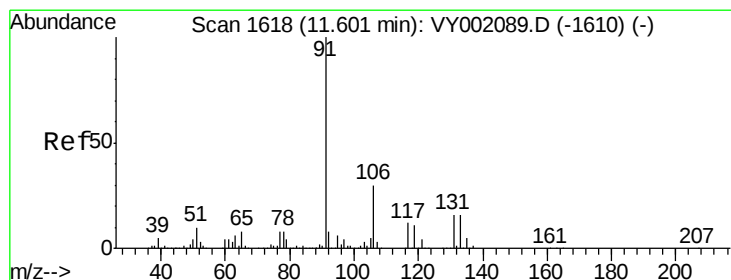
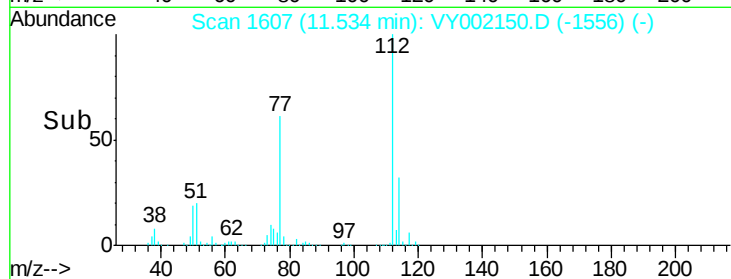
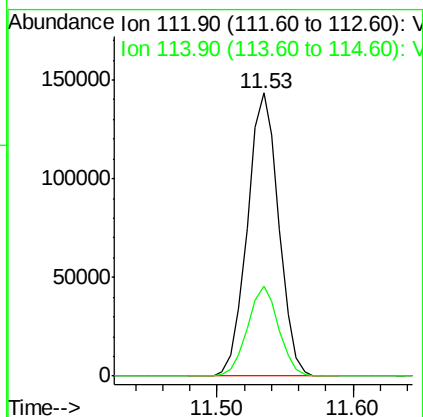
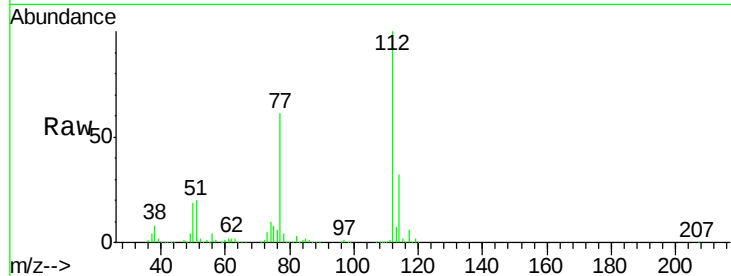
#65
Chlorobenzene
Concen: 47.230 ug/l
RT: 11.53 min Scan# 1607
Delta R.T. 0.01 min
Lab File: VY002150.D
Acq: 31 Mar 2020 21:34

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.7	24.9	37.3

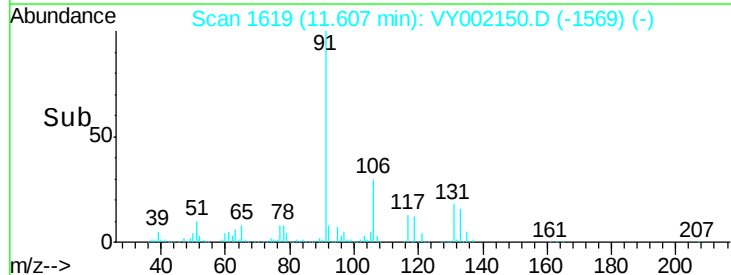
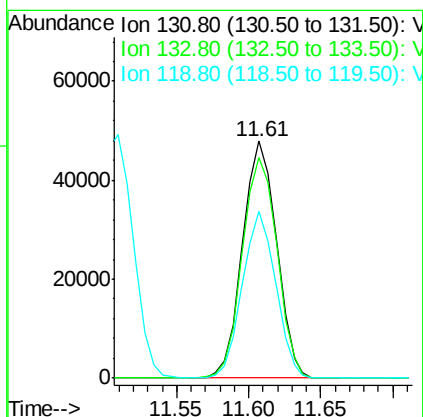
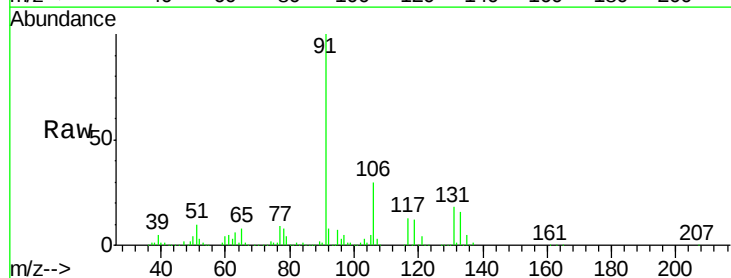
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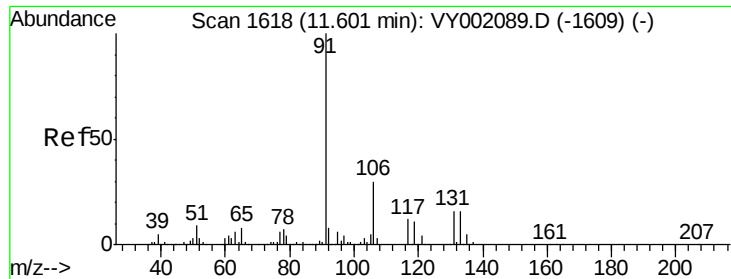
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#66
1,1,1,2-Tetrachloroethane
Concen: 48.002 ug/l
RT: 11.61 min Scan# 1619
Delta R.T. 0.01 min
Lab File: VY002150.D
Acq: 31 Mar 2020 21:34

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.9	47.5	142.5
119	68.7	34.6	103.9





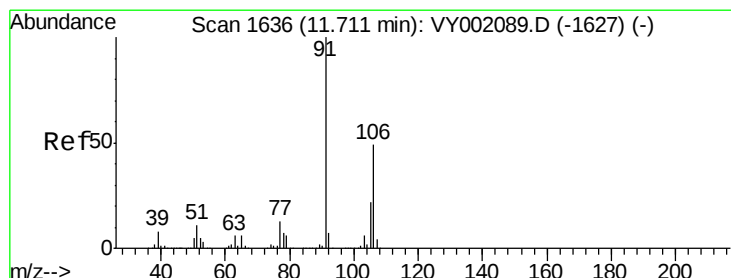
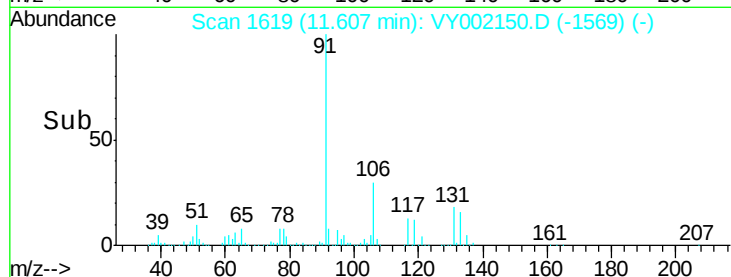
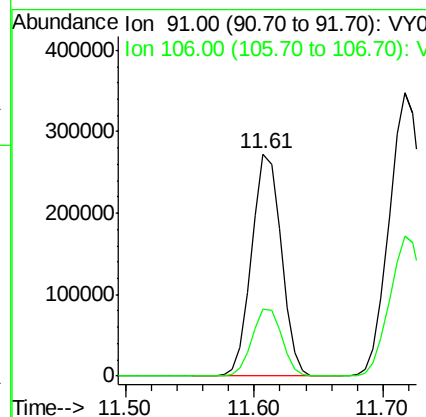
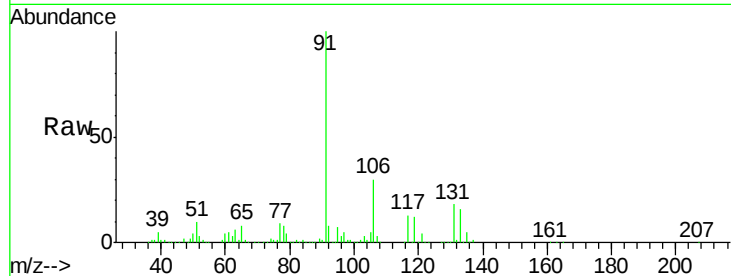
#67
Ethyl Benzene
Concen: 47.568 ug/l
RT: 11.61 min Scan# 1619
Delta R.T. 0.01 min
Lab File: VY002150.D
Acq: 31 Mar 2020 21:34

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 432277
Ion Ratio Lower Upper
91 100
106 30.5 24.1 36.1

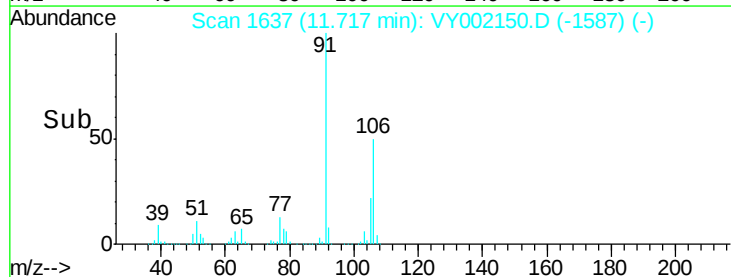
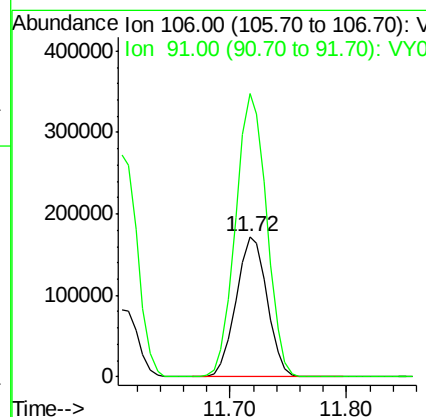
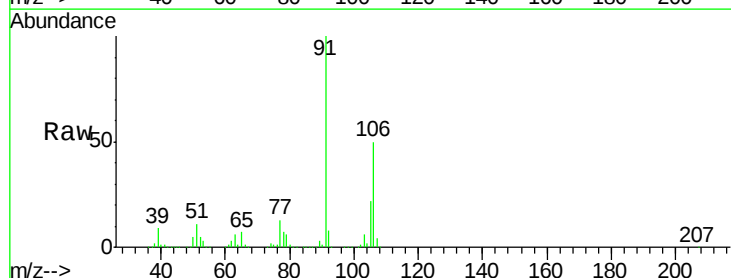
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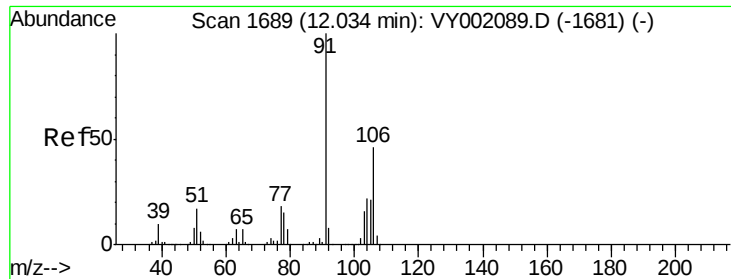
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#68
m/p-Xylenes
Concen: 94.648 ug/l
RT: 11.72 min Scan# 1637
Delta R.T. 0.01 min
Lab File: VY002150.D
Acq: 31 Mar 2020 21:34

Tgt Ion: 106 Resp: 318018
Ion Ratio Lower Upper
106 100
91 202.7 162.8 244.2





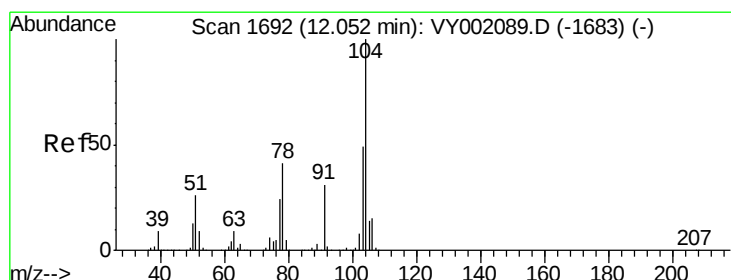
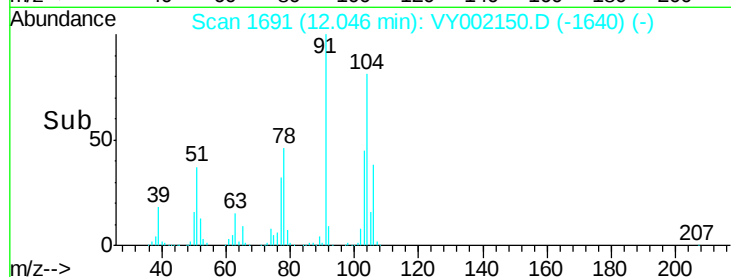
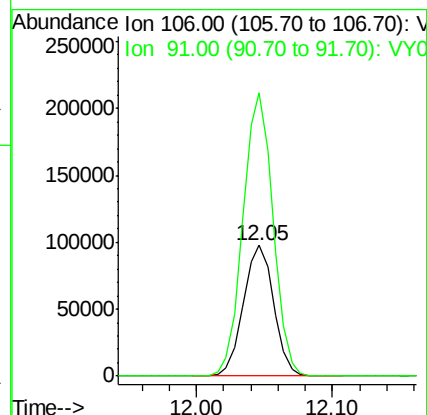
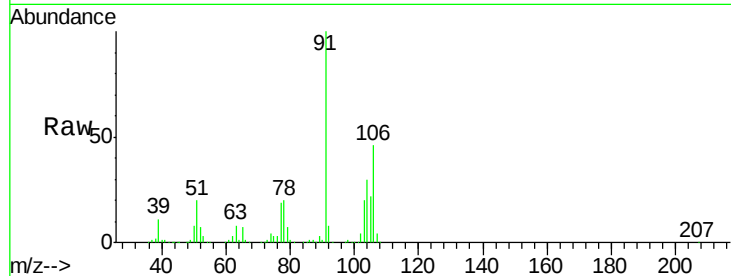
#69
o-Xylene
Concen: 47.611 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. 0.01 min
Lab File: VY002150.D
Acq: 31 Mar 2020 21:34

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 151753
Ion Ratio Lower Upper
106 100
91 214.1 107.3 321.8

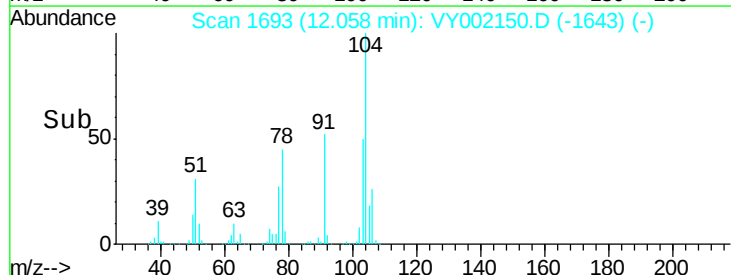
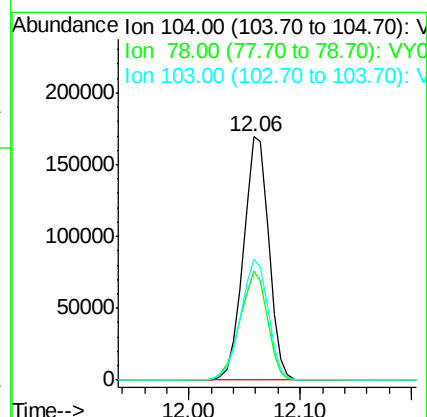
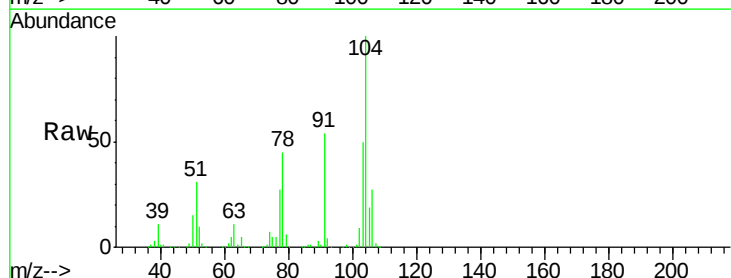
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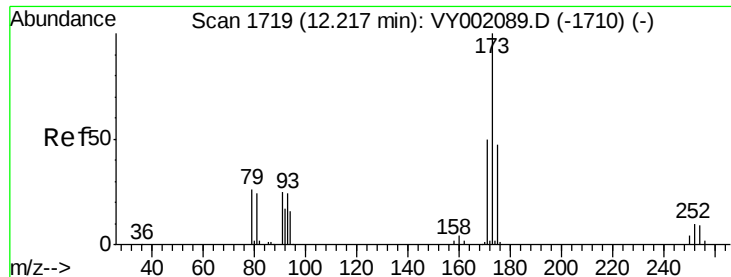
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#70
Styrene
Concen: 48.249 ug/l
RT: 12.06 min Scan# 1693
Delta R.T. 0.01 min
Lab File: VY002150.D
Acq: 31 Mar 2020 21:34

Tgt Ion:104 Resp: 266480
Ion Ratio Lower Upper
104 100
78 48.6 37.9 56.9
103 53.7 43.2 64.8





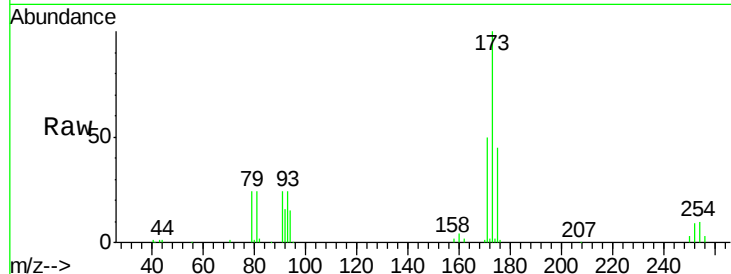
#71
Bromoform
Concen: 47.505 ug/l
RT: 12.23 min Scan# 1721
Delta R.T. 0.01 min
Lab File: VY002150.D
Acq: 31 Mar 2020 21:34

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

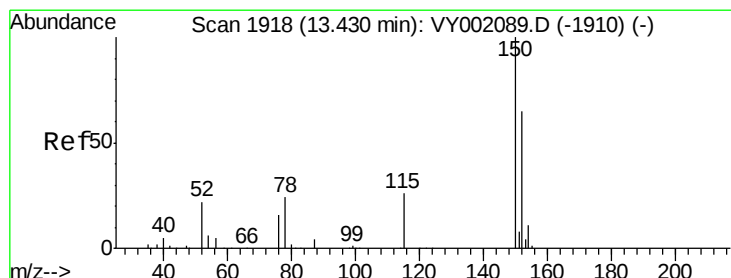
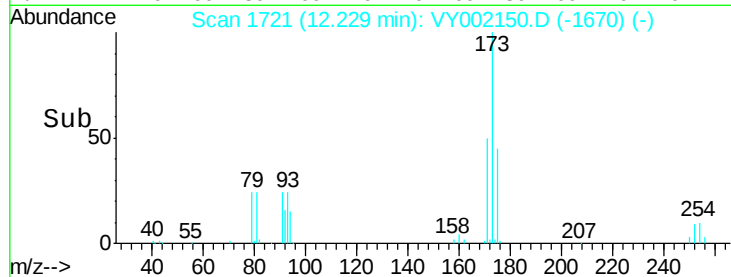
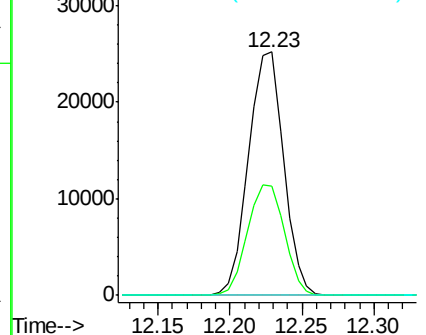
Tot Ion	Ratio	Lower	Upper
173	100		
175	47.5	23.9	71.8
254	0.0	0.0	0.0

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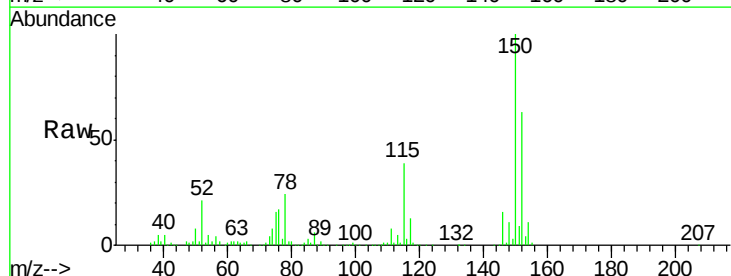


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

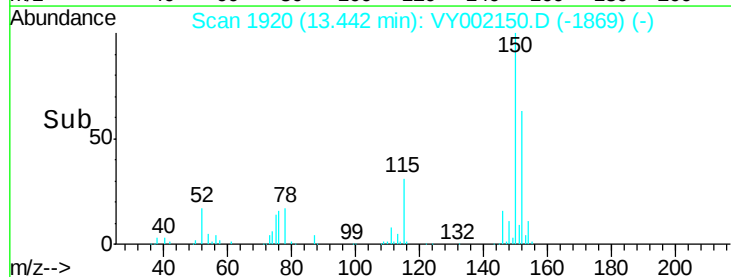
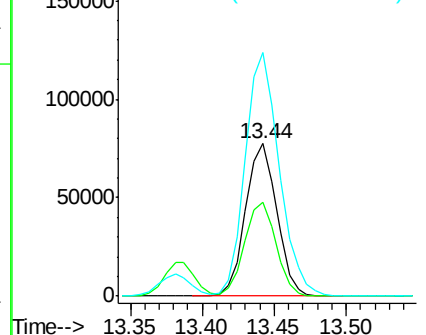


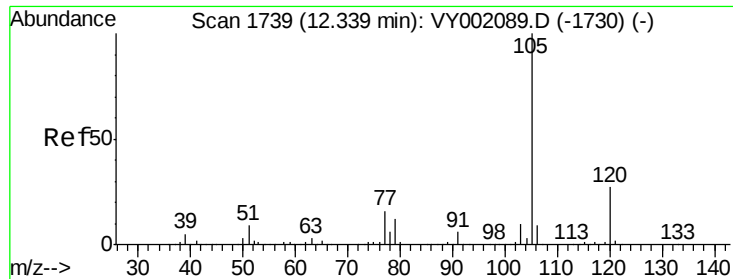
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1920
Delta R.T. 0.01 min
Lab File: VY002150.D
Acq: 31 Mar 2020 21:34

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.0	31.2	93.6
150	174.6	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: 47.341 ug/l

RT: 12.34 min Scan# 1740

Delta R.T. 0.01 min

Lab File: VY002150.D

Acq: 31 Mar 2020 21:34

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 407673

Ion Ratio Lower Upper

105 100

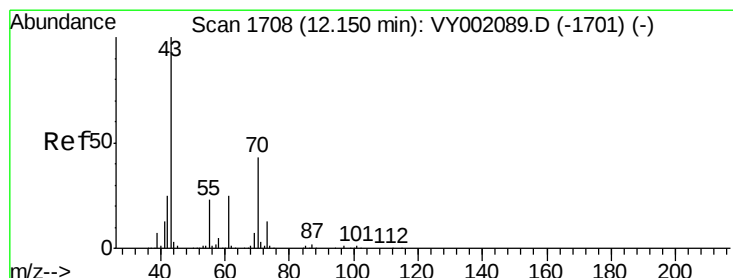
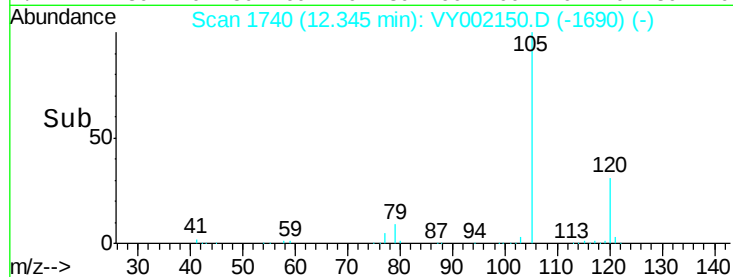
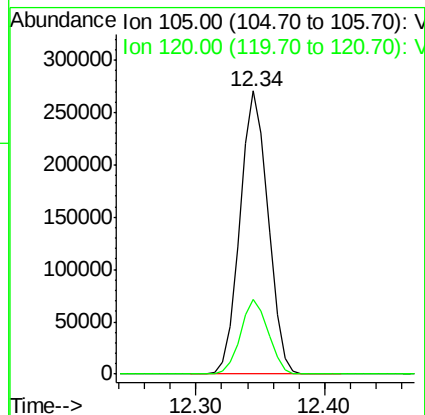
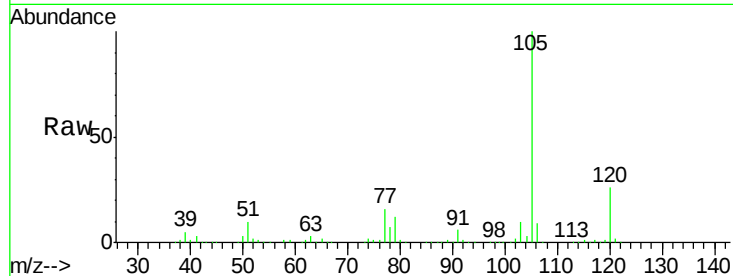
120 26.1 13.3 39.8

Manual Integrations

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#74

N-ethyl acetate

Concen: 44.836 ug/l

RT: 12.16 min Scan# 1709

Delta R.T. 0.01 min

Lab File: VY002150.D

Acq: 31 Mar 2020 21:34

Tgt Ion: 43 Resp: 121774

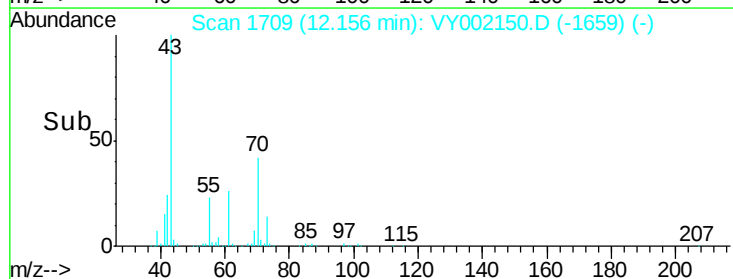
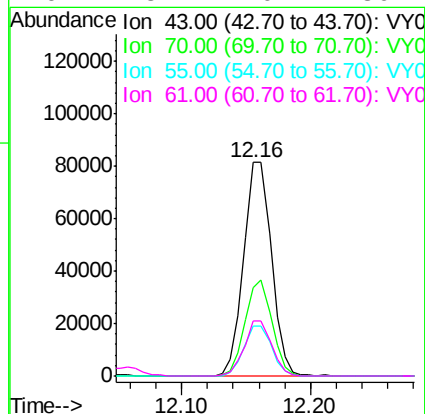
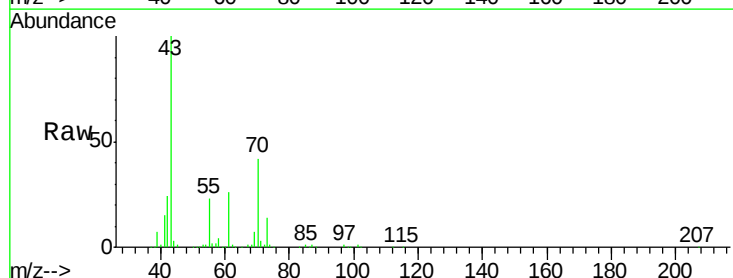
Ion Ratio Lower Upper

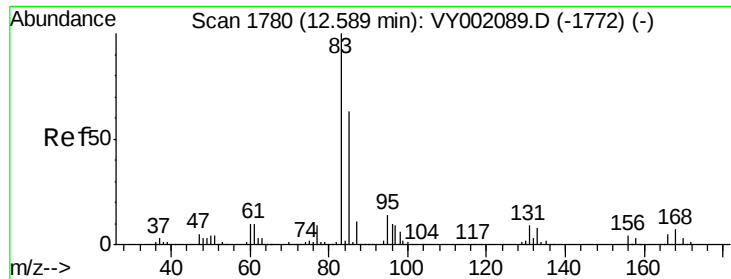
43 100

70 43.3 35.0 52.4

55 23.5 18.7 28.1

61 25.1 20.2 30.2





#75

1,1,2,2-Tetrachloroethane

Concen: 46.234 ug/l

RT: 12.60 min Scan# 1782

Delta R.T. 0.01 min

Lab File: VY002150.D

Acq: 31 Mar 2020 21:34

Instrument :

MSVOA_Y

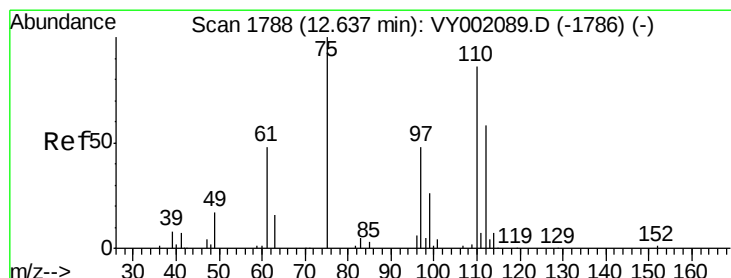
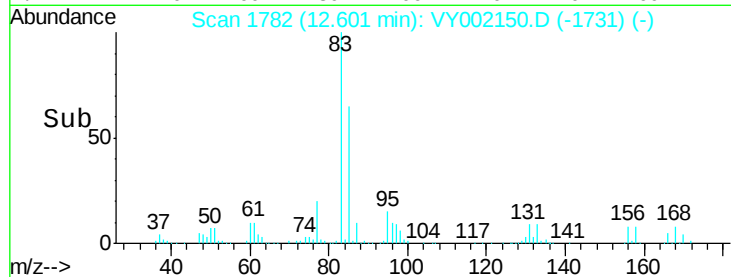
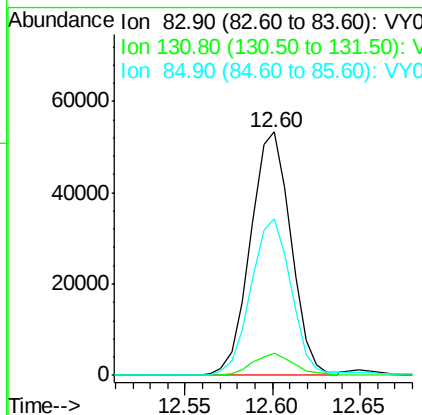
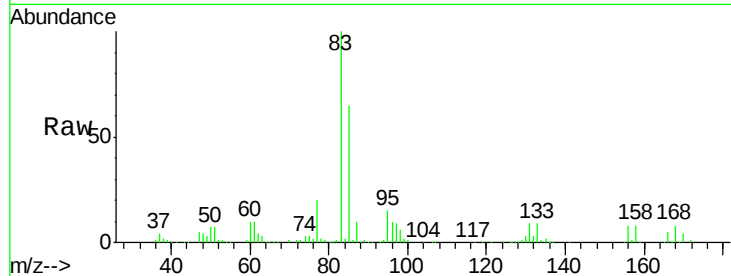
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	85674
Ion Ratio	Lower	Upper	
83	100		
131	9.3	4.7	14.1
85	63.7	32.4	97.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 42.417 ug/l m

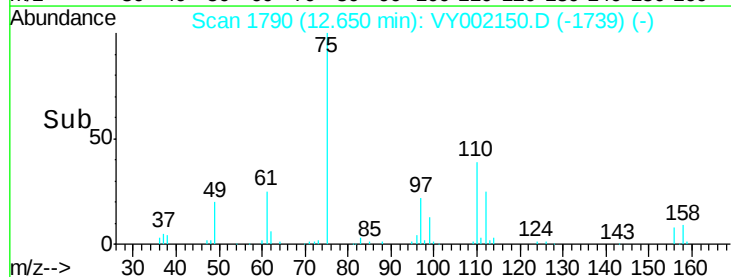
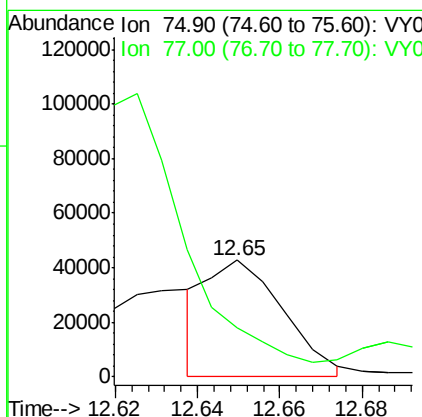
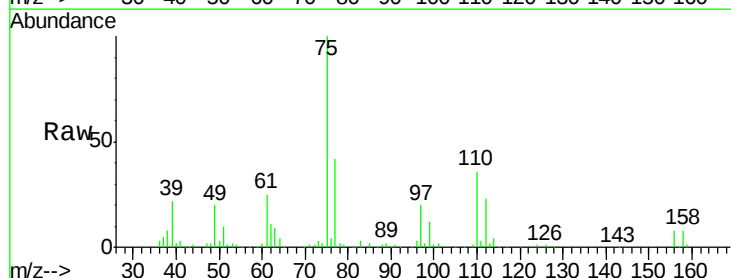
RT: 12.65 min Scan# 1790

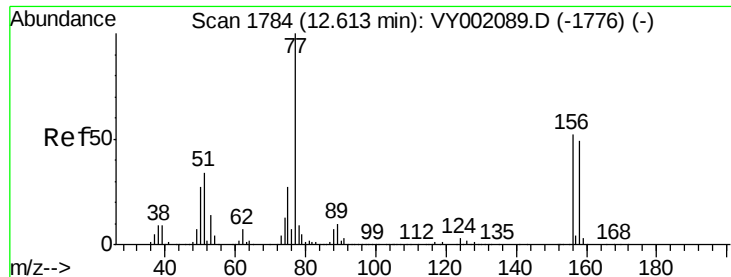
Delta R.T. 0.01 min

Lab File: VY002150.D

Acq: 31 Mar 2020 21:34

Tgt Ion:	75	Resp:	55081
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 48.096 ug/l

RT: 12.63 min Scan# 1786

Delta R.T. 0.01 min

Lab File: VY002150.D

Acq: 31 Mar 2020 21:34

Instrument :

MSVOA_Y

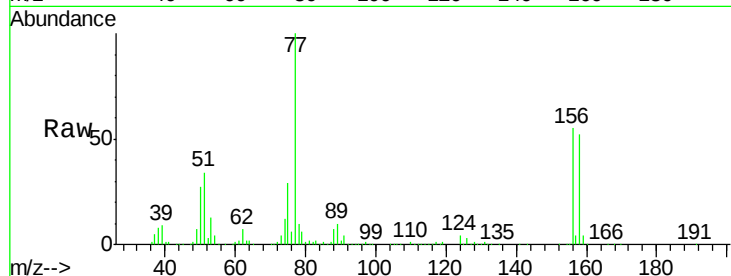
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	211.2	107.8	323.6
158	95.9	47.5	142.6

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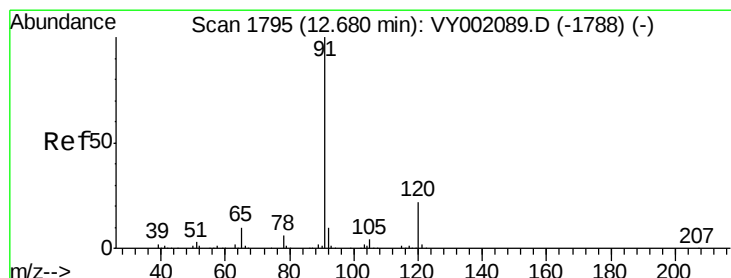
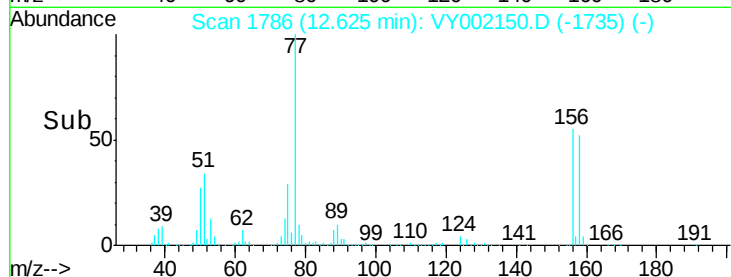
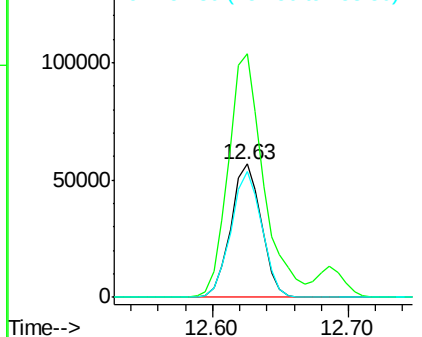
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 47.297 ug/l

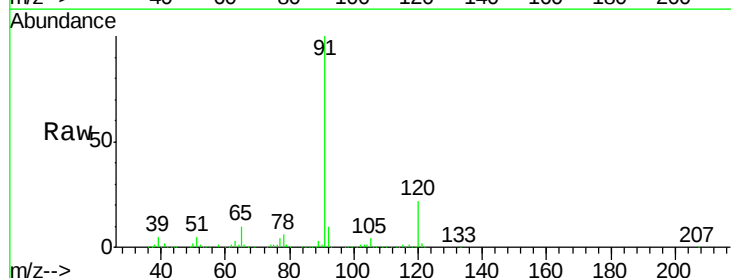
RT: 12.69 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VY002150.D

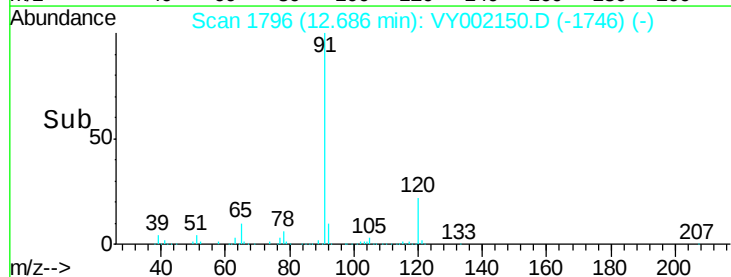
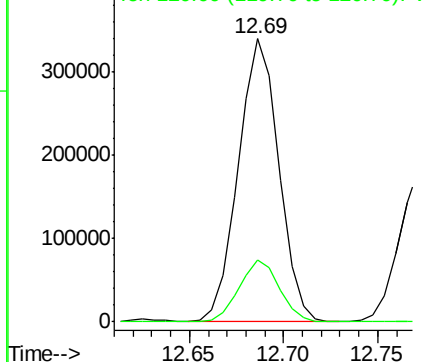
Acq: 31 Mar 2020 21:34

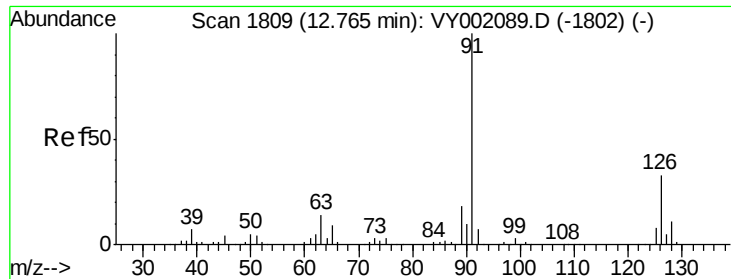
Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.8	11.1	33.1



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





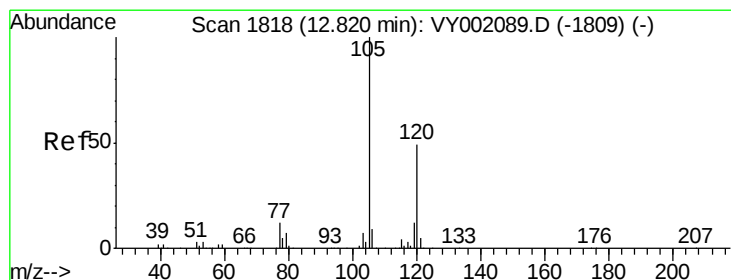
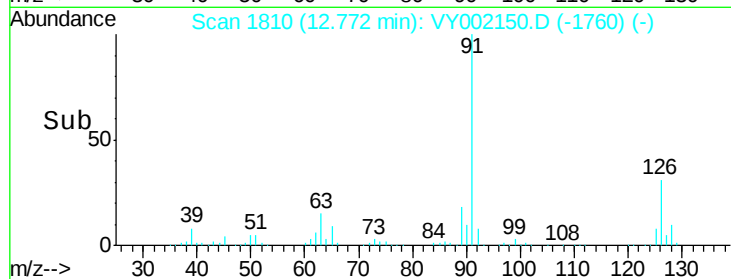
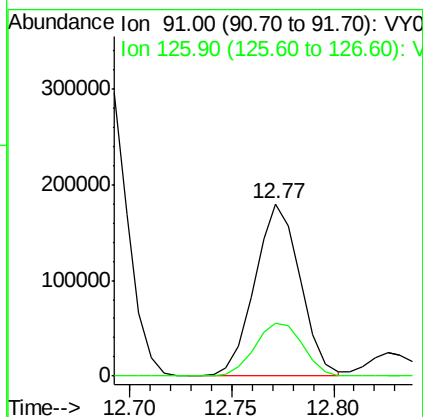
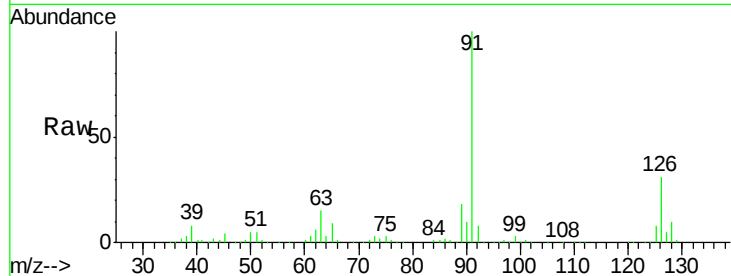
#79
 2-Chlorotoluene
 Concen: 47.368 ug/l
 RT: 12.77 min Scan# 1810
 Delta R.T. 0.01 min
 Lab File: VY002150.D
 Acq: 31 Mar 2020 21:34

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 277936
 Ion Ratio Lower Upper
 91 100
 126 32.9 16.4 49.1

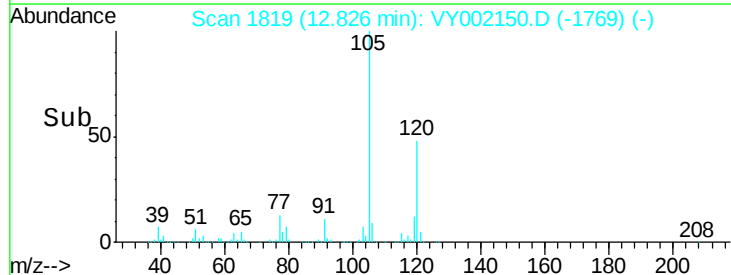
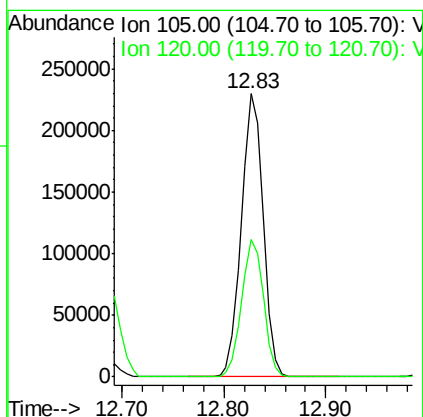
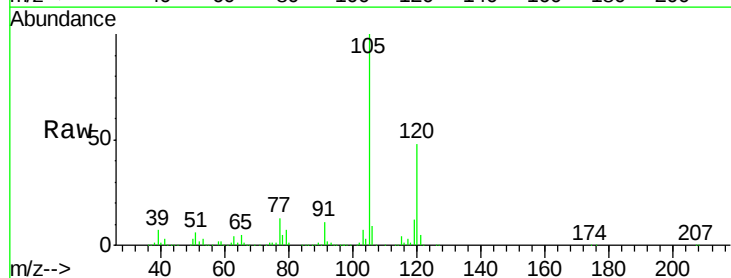
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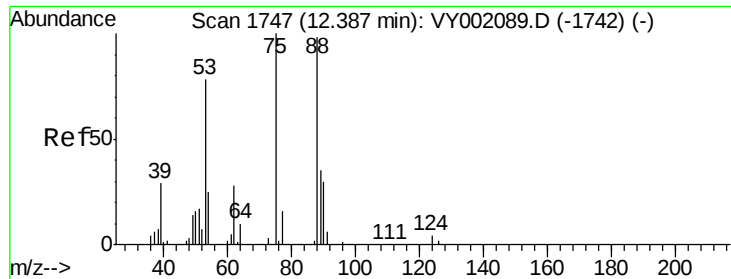
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#80
 1,3,5-Trimethylbenzene
 Concen: 47.671 ug/l
 RT: 12.83 min Scan# 1819
 Delta R.T. 0.01 min
 Lab File: VY002150.D
 Acq: 31 Mar 2020 21:34

Tgt Ion: 105 Resp: 338689
 Ion Ratio Lower Upper
 105 100
 120 48.7 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 44.837 ug/l

RT: 12.39 min Scan# 1748

Delta R.T. 0.01 min

Lab File: VY002150.D

Acq: 31 Mar 2020 21:34

Instrument :

MSVOA_Y

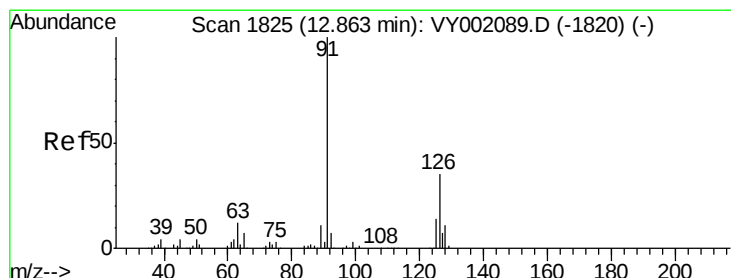
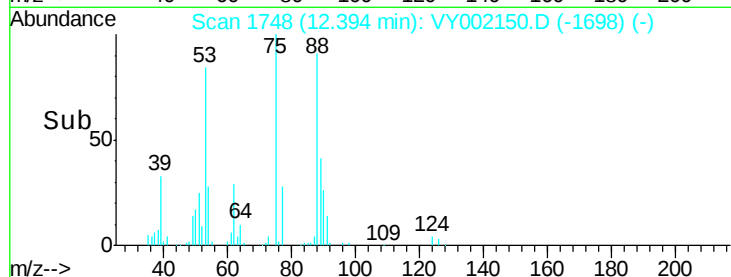
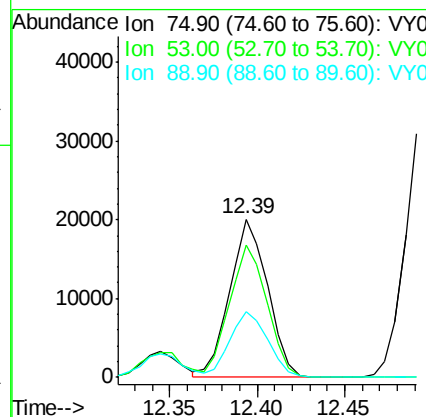
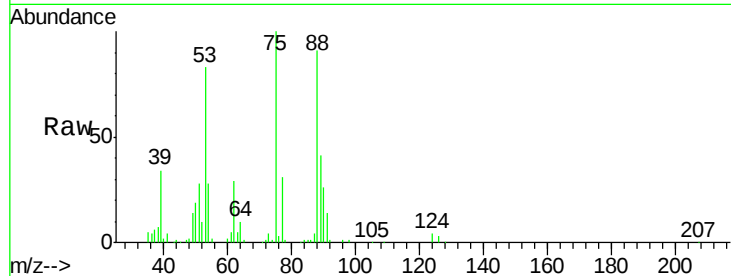
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	30053
Ion Ratio	Lower	Upper	
75	100		
53	83.6	65.0	97.4
89	41.6	33.4	50.0

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#82

4-Chlorotoluene

Concen: 46.778 ug/l

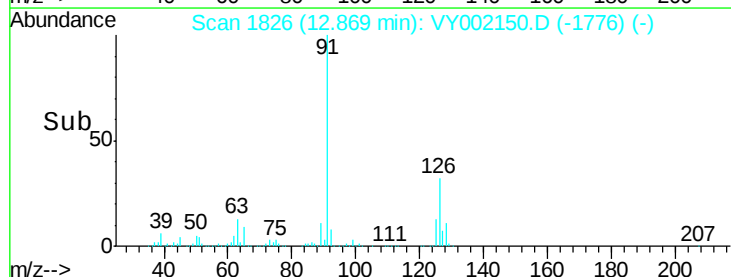
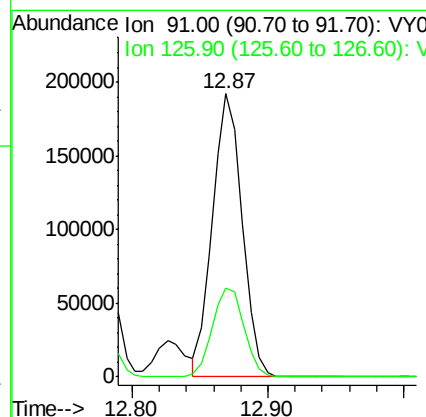
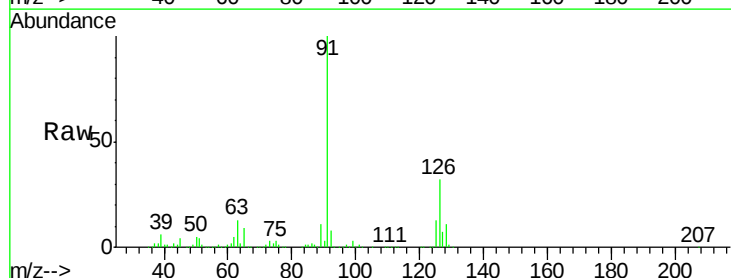
RT: 12.87 min Scan# 1826

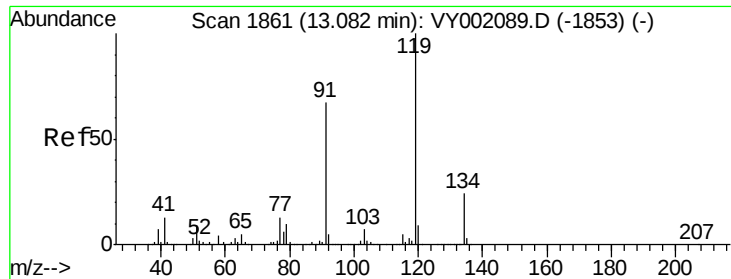
Delta R.T. 0.01 min

Lab File: VY002150.D

Acq: 31 Mar 2020 21:34

Tgt Ion:	91	Resp:	289232
Ion Ratio	Lower	Upper	
91	100		
126	33.5	16.3	48.9





#83

tert-Butylbenzene

Concen: 46.863 ug/l

RT: 13.09 min Scan# 1862

Delta R.T. 0.01 min

Lab File: VY002150.D

Acq: 31 Mar 2020 21:34

Instrument :

MSVOA_Y

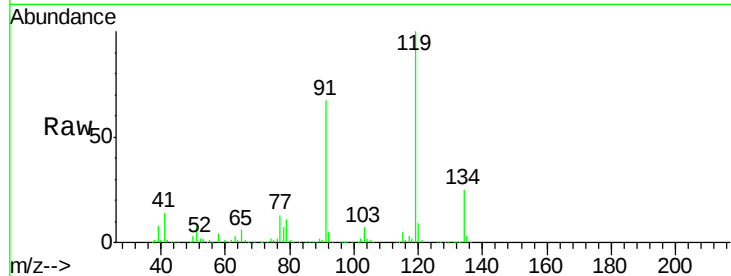
ClientSampleId :

VSTDCCC050EC

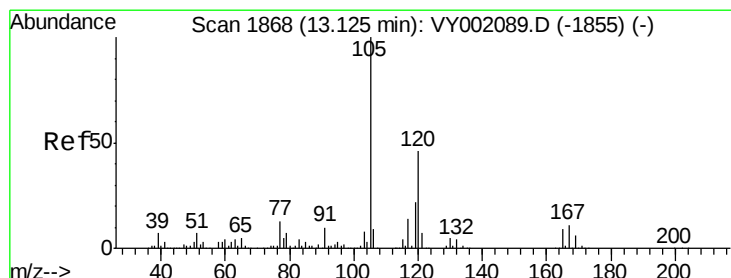
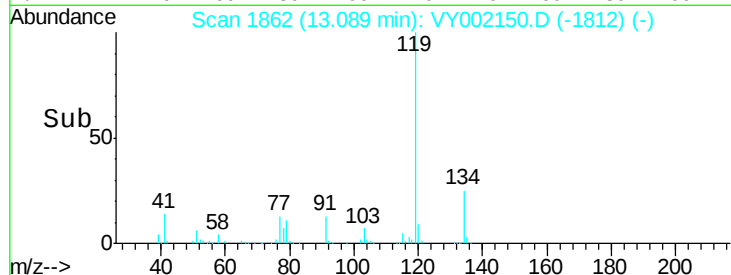
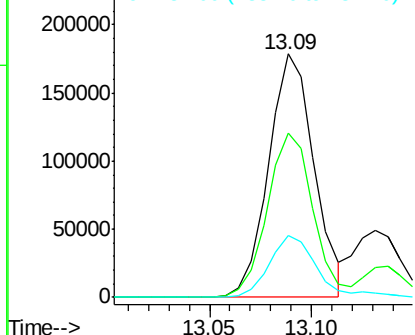
Tot Ion:	119	Resp:	277918
Ion Ratio	Lower	Upper	
119	100		
91	67.7	32.9	98.6
134	26.6	13.0	38.9

Manual Integrations
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Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VY0
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 47.596 ug/l

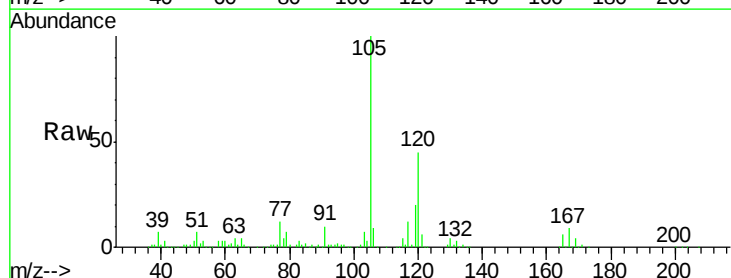
RT: 13.14 min Scan# 1870

Delta R.T. 0.01 min

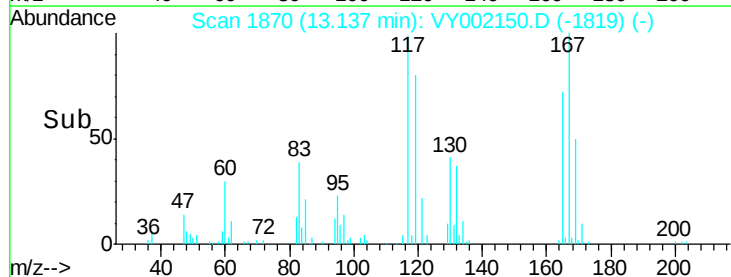
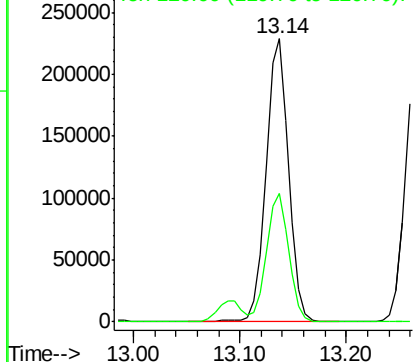
Lab File: VY002150.D

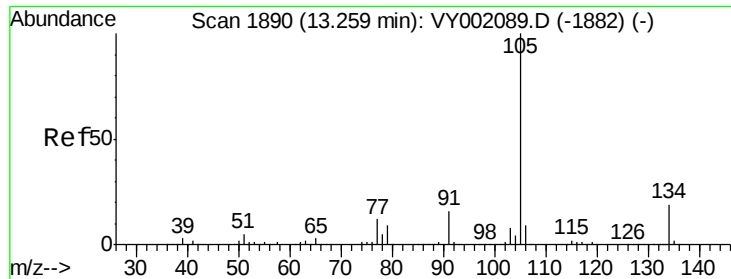
Acq: 31 Mar 2020 21:34

Tgt Ion:	105	Resp:	337392
Ion Ratio	Lower	Upper	
105	100		
120	45.2	22.9	68.5



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 47.092 ug/l

RT: 13.27 min Scan# 1892

Delta R.T. 0.01 min

Lab File: VY002150.D

Acq: 31 Mar 2020 21:34

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 413657

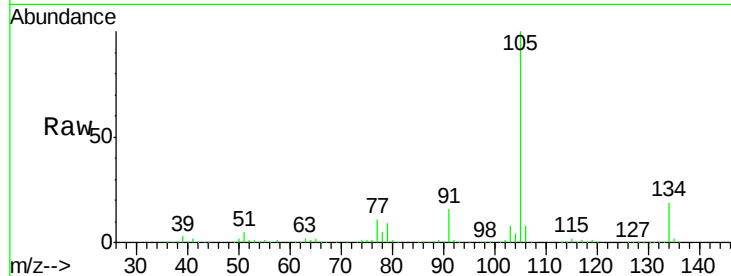
Ion Ratio Lower Upper

105 100

134 19.1 9.7 29.1

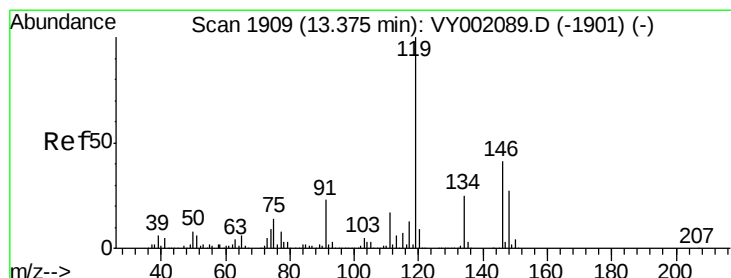
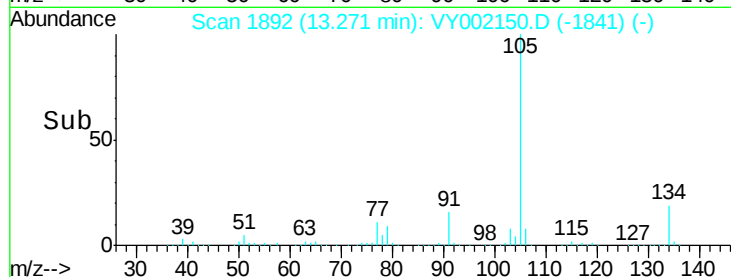
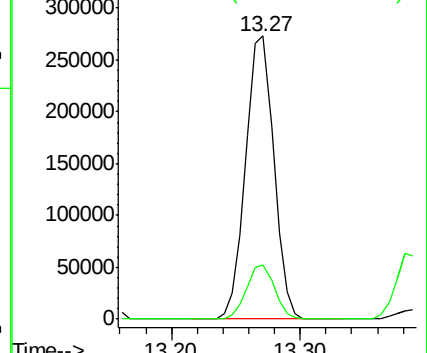
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 47.278 ug/l

RT: 13.38 min Scan# 1910

Delta R.T. 0.01 min

Lab File: VY002150.D

Acq: 31 Mar 2020 21:34

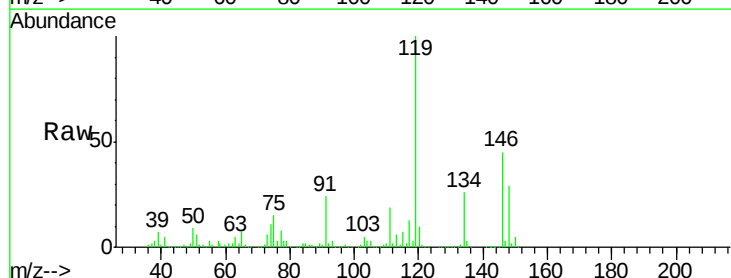
Tgt Ion:119 Resp: 356625

Ion Ratio Lower Upper

119 100

134 26.0 13.1 39.3

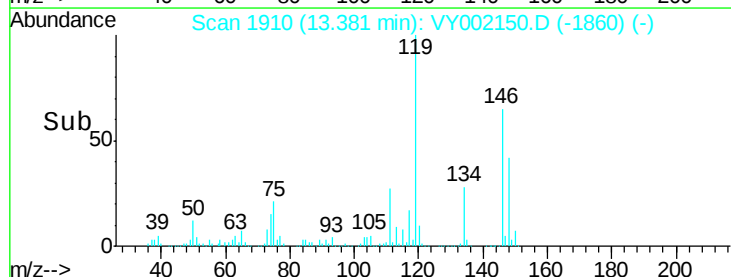
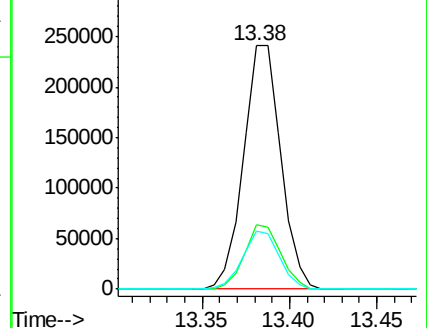
91 23.4 11.8 35.3

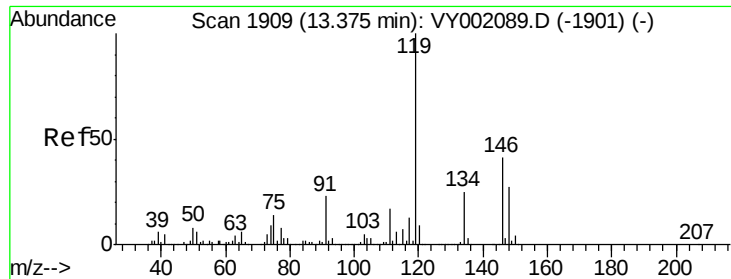


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0





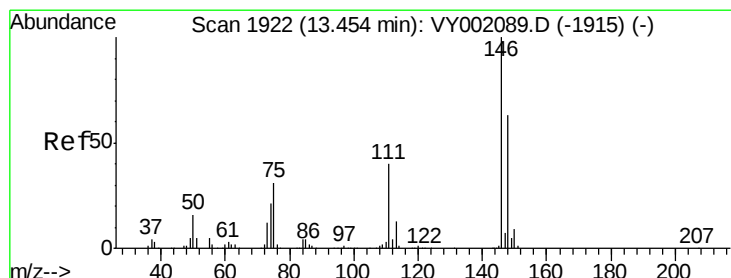
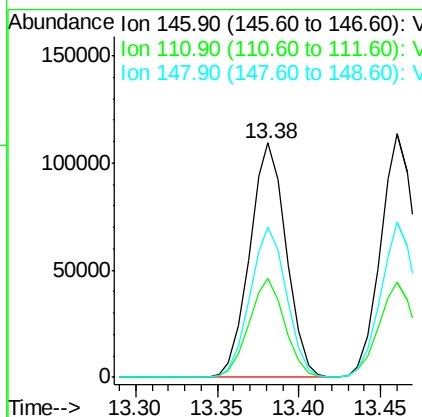
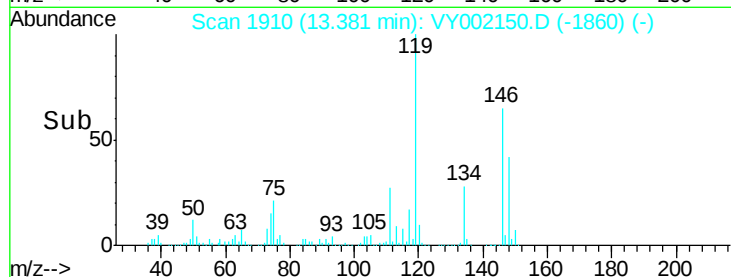
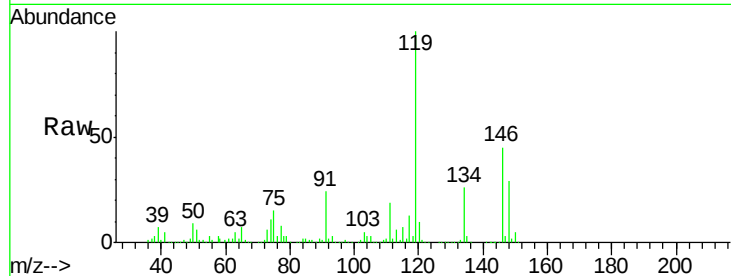
#87
 1,3-Dichlorobenzene
 Concen: 47.089 ug/l
 RT: 13.38 min Scan# 1910
 Delta R.T. 0.01 min
 Lab File: VY002150.D
 Acq: 31 Mar 2020 21:34

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.9	62.8
148	64.1	32.1	96.5

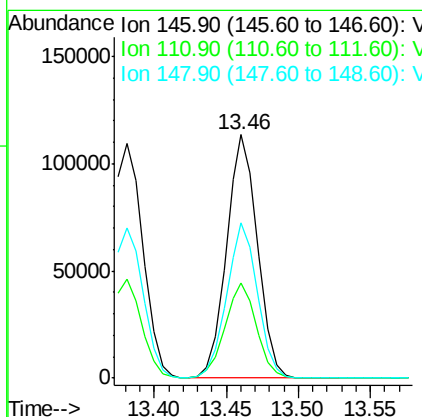
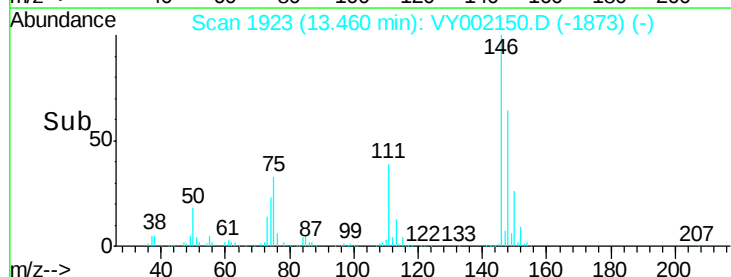
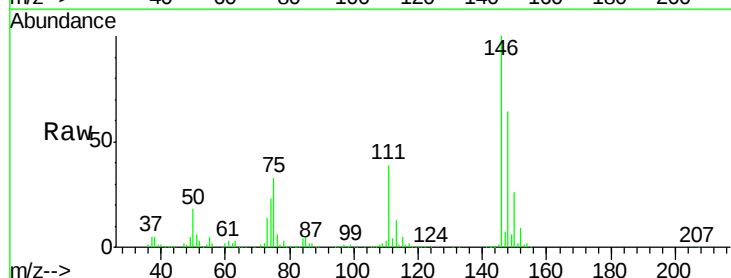
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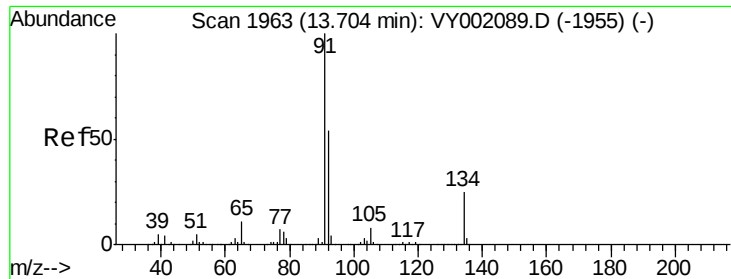
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#88
 1,4-Dichlorobenzene
 Concen: 47.124 ug/l
 RT: 13.46 min Scan# 1923
 Delta R.T. 0.01 min
 Lab File: VY002150.D
 Acq: 31 Mar 2020 21:34

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.8	20.3	60.9
148	63.3	31.5	94.5





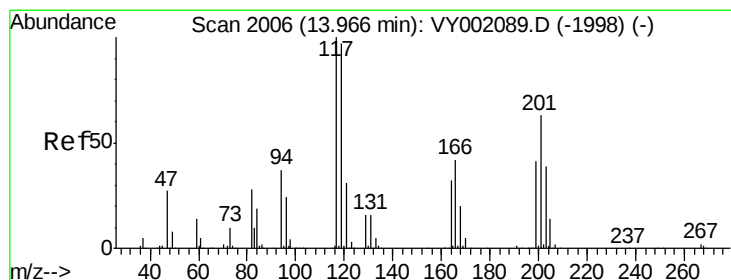
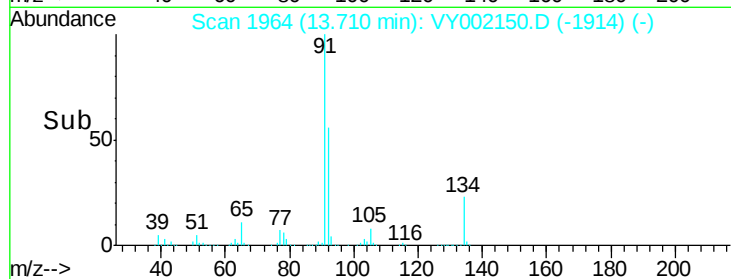
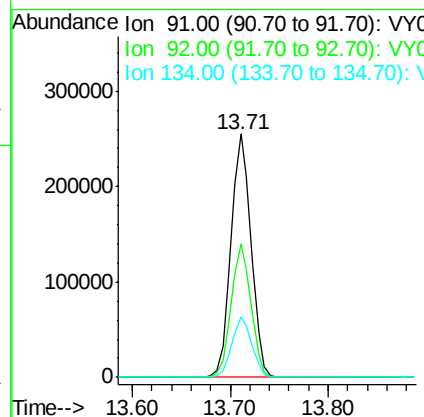
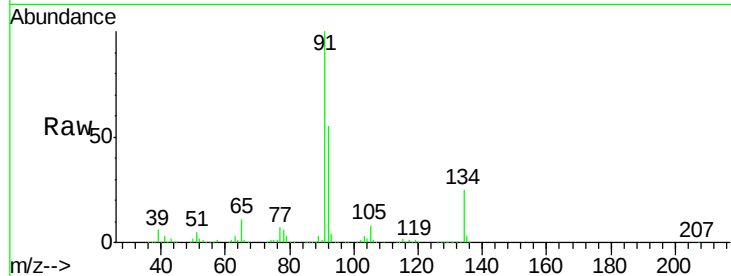
#89
n-Butylbenzene
Concen: 46.110 ug/l
RT: 13.71 min Scan# 1964
Delta R.T. 0.01 min
Lab File: VY002150.D
Acq: 31 Mar 2020 21:34

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		362400		
92	53.7	27.0	81.0		
134	24.4	12.3	36.8		

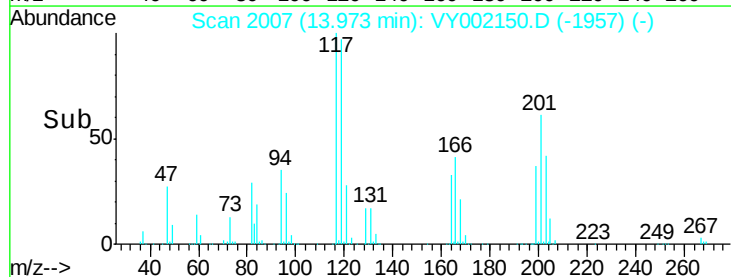
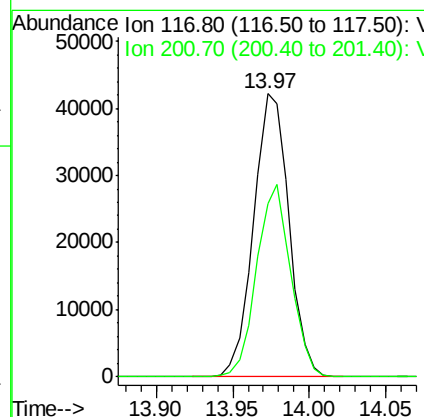
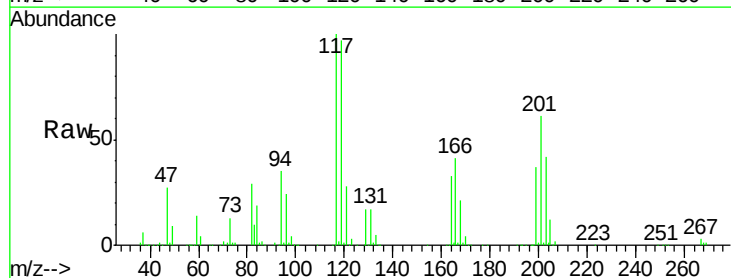
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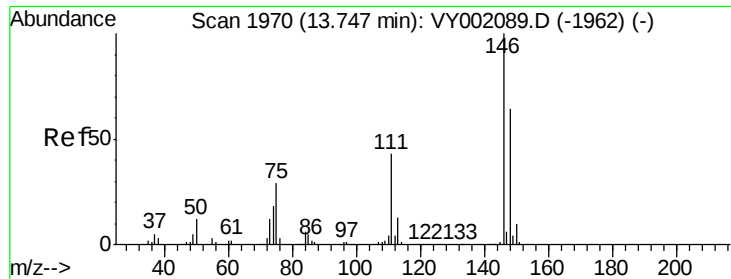
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#90
Hexachloroethane
Concen: 47.710 ug/l
RT: 13.97 min Scan# 2007
Delta R.T. 0.01 min
Lab File: VY002150.D
Acq: 31 Mar 2020 21:34

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		67814		
201	65.7	31.6	94.8		





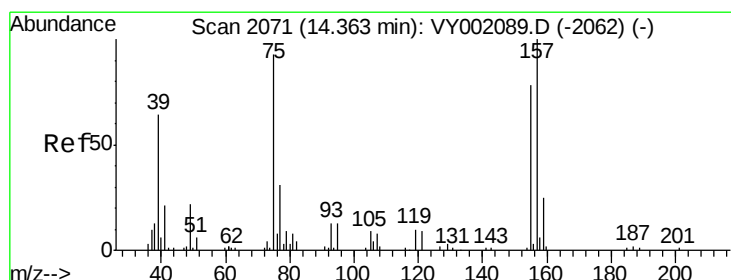
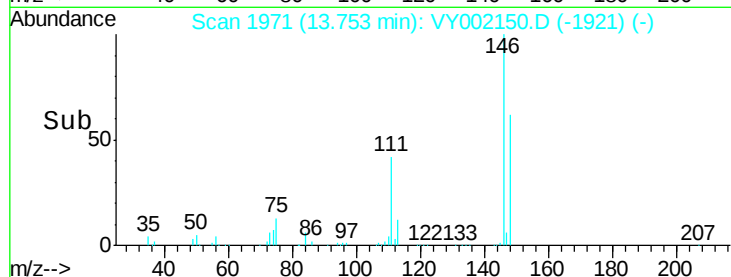
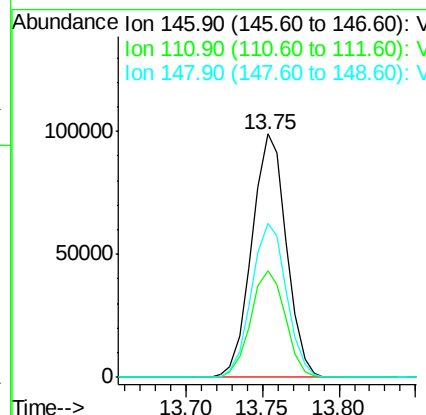
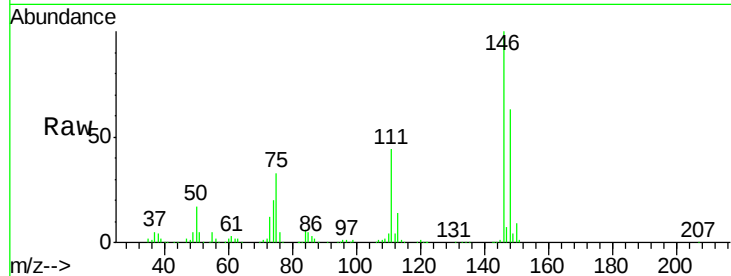
#91
 1,2-Dichlorobenzene
 Concen: 46.807 ug/l
 RT: 13.75 min Scan# 1971
 Delta R.T. 0.01 min
 Lab File: VY002150.D
 Acq: 31 Mar 2020 21:34

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.8	21.3	63.7
148	64.1	31.8	95.4

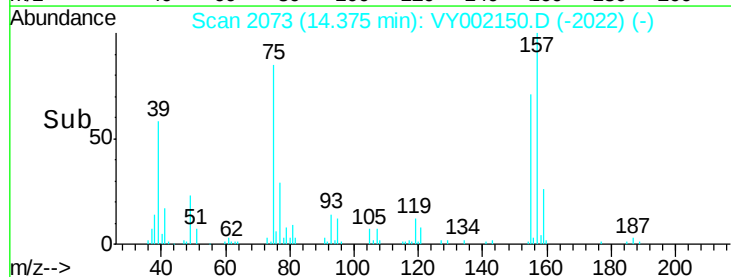
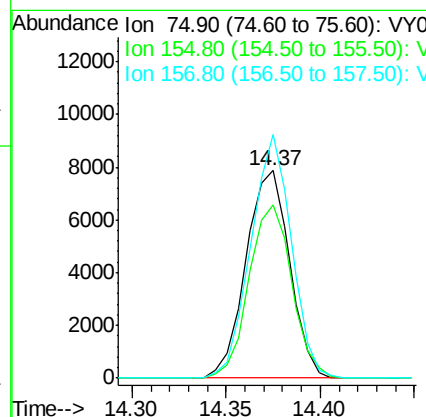
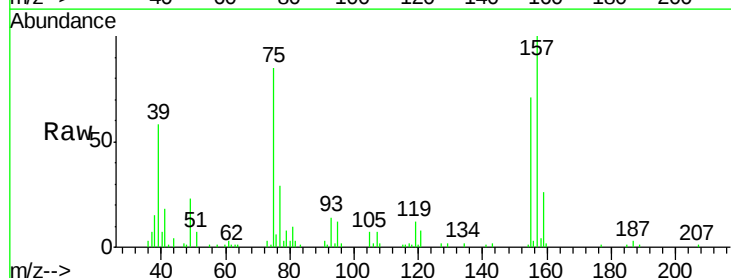
Manual Integrations
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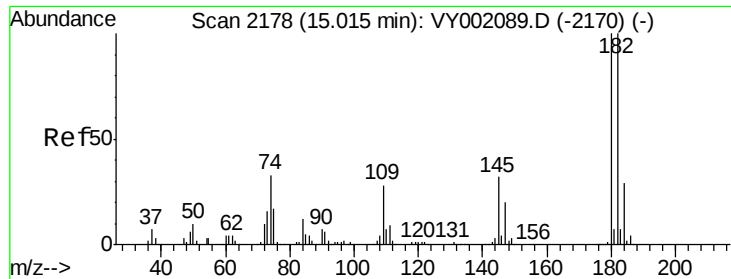
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 42.553 ug/l
 RT: 14.37 min Scan# 2073
 Delta R.T. 0.01 min
 Lab File: VY002150.D
 Acq: 31 Mar 2020 21:34

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.0	41.6	124.9
157	109.2	53.4	160.3





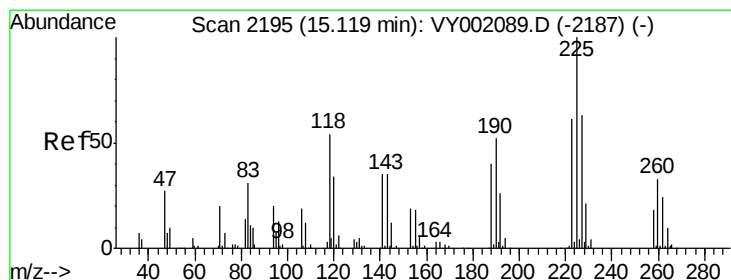
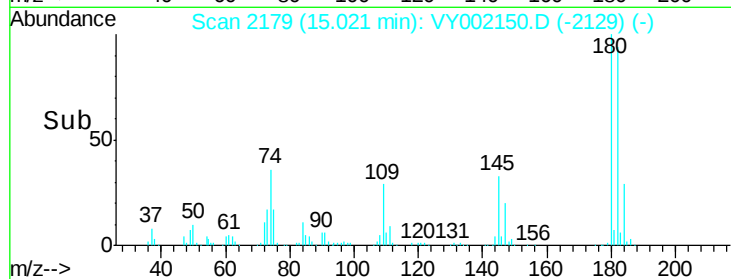
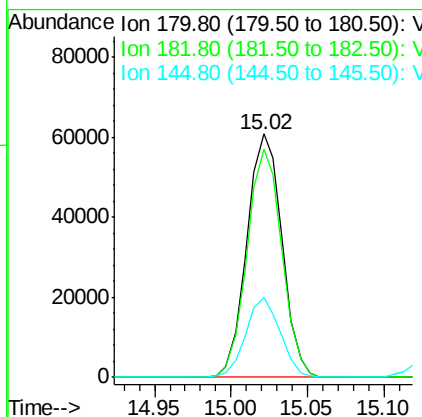
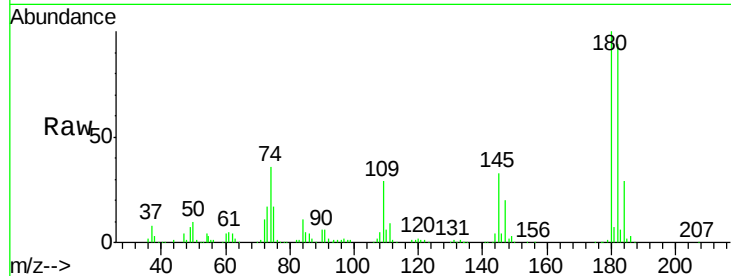
#93
 1,2,4-Trichlorobenzene
 Concen: 45.413 ug/l
 RT: 15.02 min Scan# 2179
 Delta R.T. 0.01 min
 Lab File: VY002150.D
 Acq: 31 Mar 2020 21:34

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.8	48.1	144.3
145	32.2	15.9	47.6

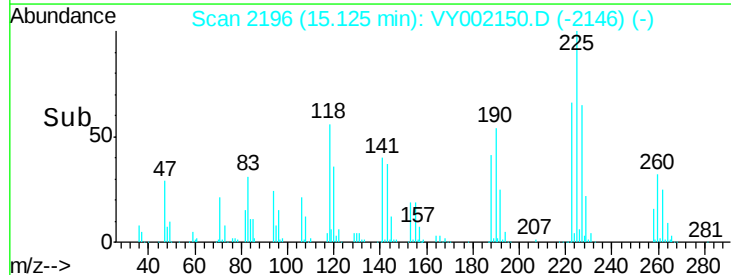
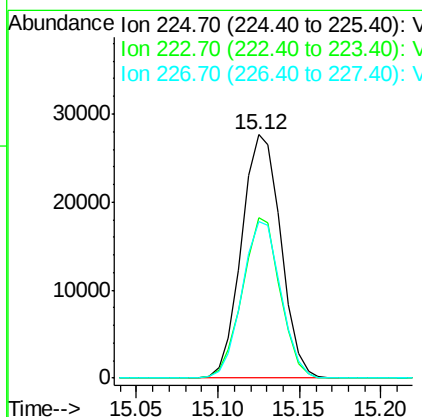
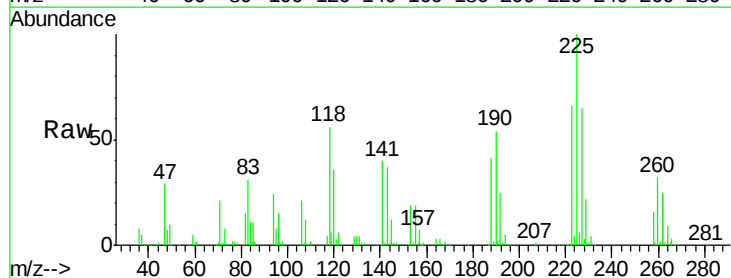
Manual Integrations
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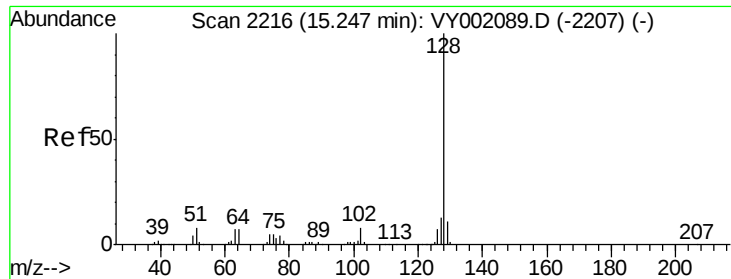
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#94
 Hexachlorobutadiene
 Concen: 43.761 ug/l
 RT: 15.12 min Scan# 2196
 Delta R.T. 0.01 min
 Lab File: VY002150.D
 Acq: 31 Mar 2020 21:34

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.4	31.1	93.3
227	63.3	31.6	94.7





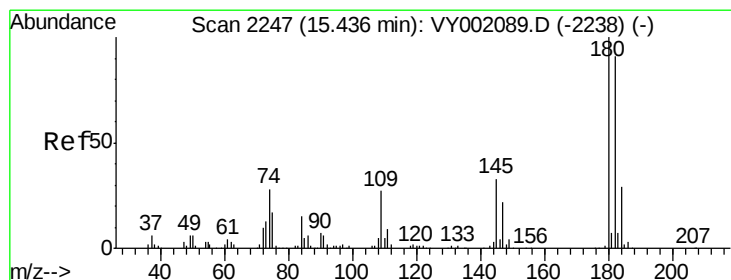
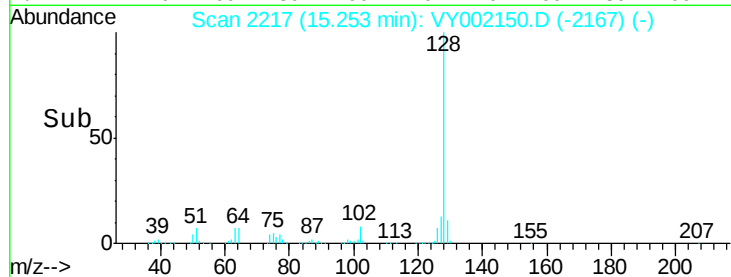
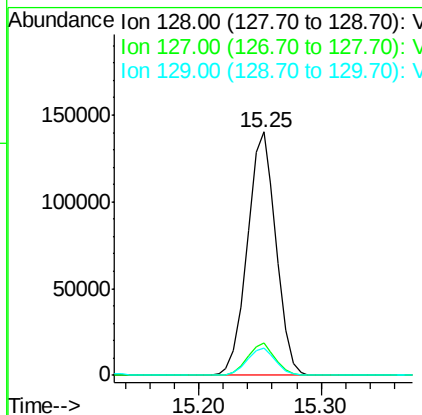
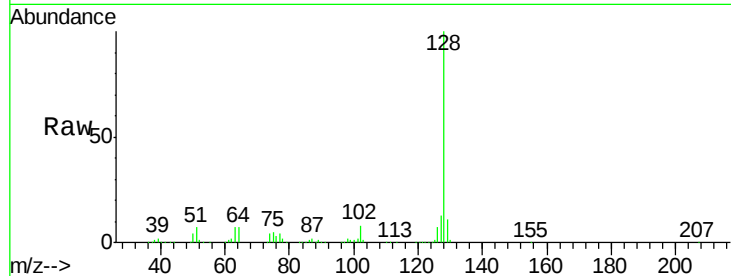
#95
Naphthalene
Concen: 44.827 ug/l
RT: 15.25 min Scan# 2217
Delta R.T. 0.01 min
Lab File: VY002150.D
Acq: 31 Mar 2020 21:34

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
128	100	227909		
127	12.7		9.8	14.8
129	11.0		8.6	13.0

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 44.323 ug/l
RT: 15.44 min Scan# 2248
Delta R.T. 0.01 min
Lab File: VY002150.D
Acq: 31 Mar 2020 21:34

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	86037		
182	94.8		46.8	140.3
145	33.9		16.7	50.1

