

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY072320\
 Data File : VY003308.D
 Acq On : 23 Jul 2020 11:20
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 7/24/2020 12:58:20 PM

Quant Time: Jul 24 04:55:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y071020S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 10 13:18:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	432458	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	637421	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	586711	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	315932	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.14	65	179469	49.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.34%	
35) Dibromofluoromethane	7.72	113	176307	48.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.12%	
50) Toluene-d8	10.18	98	644022	47.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.44%	
62) 4-Bromofluorobenzene	12.48	95	236515	48.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	125097	40.360	ug/l	98
3) Chloromethane	2.12	50	189072	43.977	ug/l	99
4) Vinyl Chloride	2.26	62	201476	45.674	ug/l	100
5) Bromomethane	2.65	94	152147	46.436	ug/l	97
6) Chloroethane	2.80	64	132585	45.761	ug/l	100
7) Trichlorofluoromethane	3.13	101	292253	46.392	ug/l	100
8) Diethyl Ether	3.54	74	100794	47.748	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.91	101	178683	46.964	ug/l	98
10) Methyl Iodide	4.10	142	194490	47.052	ug/l	99
11) Tert butyl alcohol	4.96	59	89494	226.744	ug/l #	86
12) 1,1-Dichloroethene	3.88	96	167420	46.523	ug/l	98
13) Acrolein	3.74	56	71131	207.633	ug/l	100
14) Allyl chloride	4.49	41	288333	53.997	ug/l	94
15) Acrylonitrile	5.18	53	268264	264.553	ug/l	99
16) Acetone	3.95	43	221642	271.846	ug/l	99
17) Carbon Disulfide	4.20	76	511735	46.342	ug/l	98
18) Methyl Acetate	4.48	43	124200	54.853	ug/l	96
19) Methyl tert-butyl Ether	5.22	73	492630	48.849	ug/l	100
20) Methylene Chloride	4.72	84	196783	47.719	ug/l	97
21) trans-1,2-Dichloroethene	5.23	96	195046	47.920	ug/l	99
22) Diisopropyl ether	6.13	45	638009	53.836	ug/l	94
23) Vinyl Acetate	6.07	43	2075007	262.695	ug/l	98
24) 1,1-Dichloroethane	6.02	63	347028	50.544	ug/l	100
25) 2-Butanone	6.99	43	351870	262.848	ug/l	99
26) 2,2-Dichloropropane	6.99	77	313009	50.623	ug/l	98
27) cis-1,2-Dichloroethene	6.99	96	221225	49.365	ug/l	98
28) Bromochloromethane	7.34	49	162304	54.601	ug/l	96
29) Tetrahydrofuran	7.35	42	232927	259.007	ug/l	95
30) Chloroform	7.51	83	355736	50.307	ug/l	98
31) Cyclohexane	7.78	56	314653	47.394	ug/l	94
32) 1,1,1-Trichloroethane	7.71	97	315801	49.607	ug/l	99
36) 1,1-Dichloropropene	7.92	75	277574	48.047	ug/l	99
37) Ethyl Acetate	7.08	43	158169	50.839	ug/l	97
38) Carbon Tetrachloride	7.91	117	291834	48.932	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	335279	46.198	ug/l	97
40) Benzene	8.16	78	775322	48.740	ug/l	96
41) Methacrylonitrile	7.33	41	105139m	56.111	ug/l	
42) 1,2-Dichloroethane	8.24	62	236916	48.378	ug/l	100
43) Isopropyl Acetate	8.28	43	304449	50.556	ug/l	99
44) Trichloroethene	8.94	130	224576	46.053	ug/l	93
45) 1,2-Dichloropropane	9.22	63	206368	50.137	ug/l	99
46) Dibromomethane	9.31	93	114297	47.544	ug/l	99
47) Bromodichloromethane	9.50	83	285271	49.893	ug/l	99
48) Methyl methacrylate	9.29	41	136546	50.719	ug/l	93
49) 1,4-Dioxane	9.30	88	28147	922.509	ug/l #	85
51) 4-Methyl-2-Pentanone	10.07	43	791547	252.883	ug/l	98
52) Toluene	10.24	92	491464	48.337	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	296702	50.085	ug/l	100
54) cis-1,3-Dichloropropene	9.93	75	335784	49.195	ug/l	98
55) 1,1,2-Trichloroethane	10.64	97	166553	48.891	ug/l	98
56) Ethyl methacrylate	10.51	69	231711	50.030	ug/l	97
57) 1,3-Dichloropropane	10.79	76	281208	48.684	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	624049	264.200	ug/l	97
59) 2-Hexanone	10.83	43	555692	254.317	ug/l	99
60) Dibromochloromethane	10.99	129	207679	48.470	ug/l	100
61) 1,2-Dibromoethane	11.09	107	157020	46.701	ug/l	100
64) Tetrachloroethene	10.72	164	226339	43.266	ug/l	99
65) Chlorobenzene	11.52	112	552181	48.854	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.59	131	217079	49.450	ug/l	98
67) Ethyl Benzene	11.59	91	993117	49.211	ug/l	98
68) m/p-Xylenes	11.70	106	742273	96.938	ug/l	99
69) o-Xylene	12.03	106	348267	48.685	ug/l	98
70) Styrene	12.04	104	613579	50.140	ug/l	100
71) Bromoform	12.20	173	140108	48.628	ug/l	99
73) Isopropylbenzene	12.33	105	965479	47.954	ug/l	100
74) N-amyl acetate	12.14	43	285105	50.469	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	187750	48.284	ug/l	100
76) 1,2,3-Trichloropropane	12.63	75	134463m	48.082	ug/l	
77) Bromobenzene	12.61	156	246403	48.013	ug/l	99
78) n-propylbenzene	12.67	91	1163992	49.047	ug/l	100
79) 2-Chlorotoluene	12.75	91	641139	48.421	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	819724	48.851	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	69669	48.485	ug/l	97
82) 4-Chlorotoluene	12.85	91	671558	48.592	ug/l	100
83) tert-Butylbenzene	13.07	119	732253	49.456	ug/l	100
84) 1,2,4-Trimethylbenzene	13.12	105	829394	49.124	ug/l	98
85) sec-Butylbenzene	13.25	105	996729	48.979	ug/l	100
86) p-Isopropyltoluene	13.37	119	941483	49.548	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	468330	48.257	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	471467	49.068	ug/l	99
89) n-Butylbenzene	13.69	91	897737	50.229	ug/l	99
90) Hexachloroethane	13.96	117	177595	51.323	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	419555	49.262	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	30011	47.606	ug/l	98

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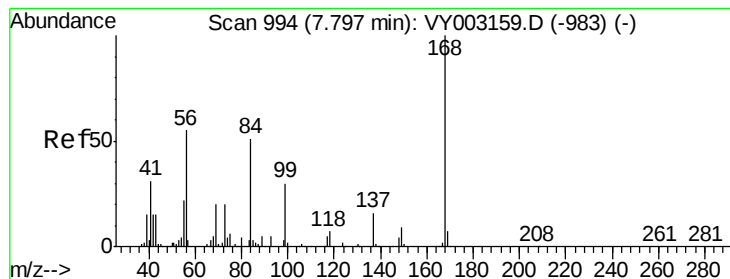
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	299986	49.512	ug/l	99
94) Hexachlorobutadiene	15.11	225	197992	47.690	ug/l	100
95) Naphthalene	15.23	128	496514	49.586	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	239393	49.983	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.00 min

Lab File: VY003308.D

Acq: 23 Jul 2020 11:20

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 432458

Ion Ratio Lower Upper

168 100

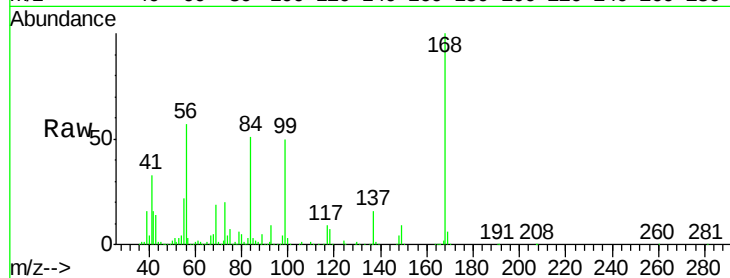
99 50.2 37.3 55.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VY003308.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY003308.D (-945) (-)

7.80

200000

150000

100000

50000

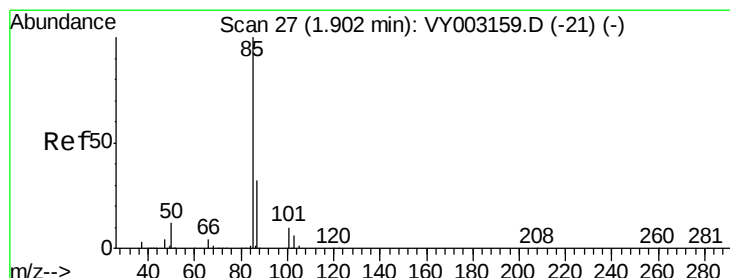
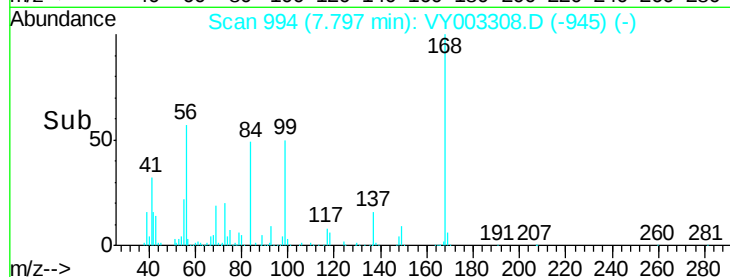
0

7.70

7.80

7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 40.360 ug/l

RT: 1.91 min Scan# 28

Delta R.T. 0.01 min

Lab File: VY003308.D

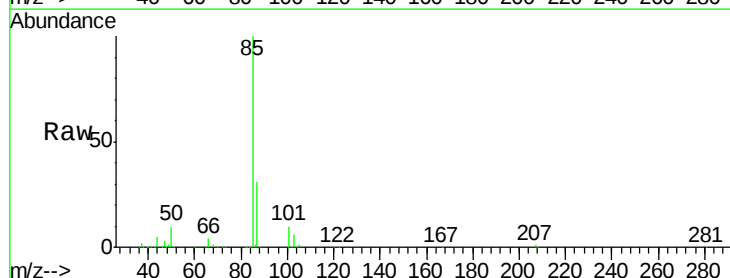
Acq: 23 Jul 2020 11:20

Tgt Ion: 85 Resp: 125097

Ion Ratio Lower Upper

85 100

87 30.9 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VY003308.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VY003308.D (-1) (-)

1.91

80000

60000

40000

20000

0

1.80

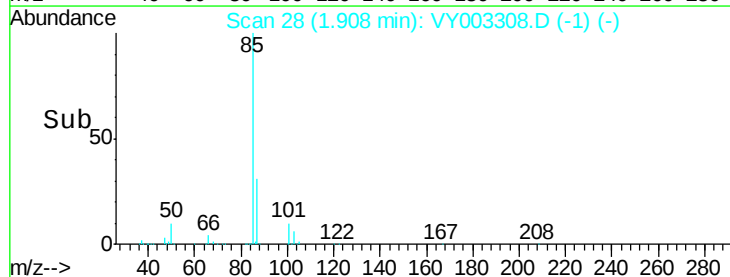
1.85

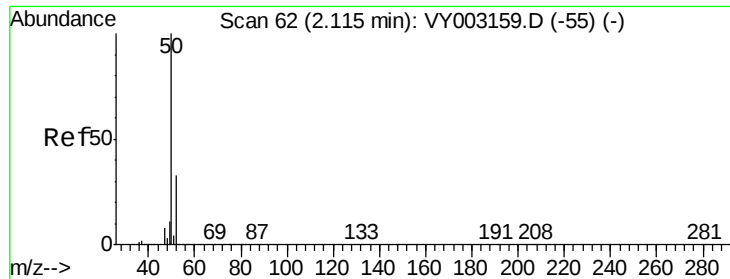
1.90

1.95

2.00

Time-->





#3

Chloromethane

Concen: 43.977 ug/l

RT: 2.12 min Scan# 62

Delta R.T. 0.00 min

Lab File: VY003308.D

Acq: 23 Jul 2020 11:20

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 189072

Ion Ratio Lower Upper

50 100

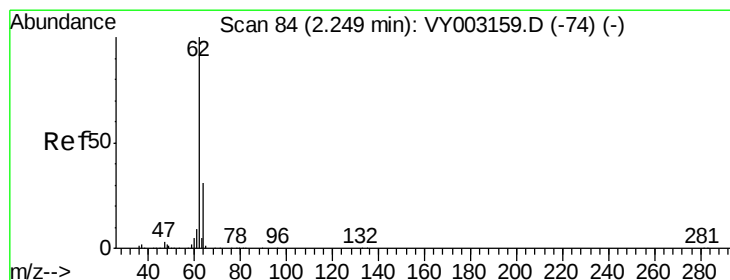
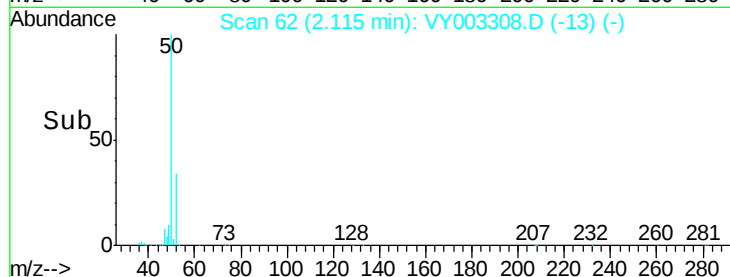
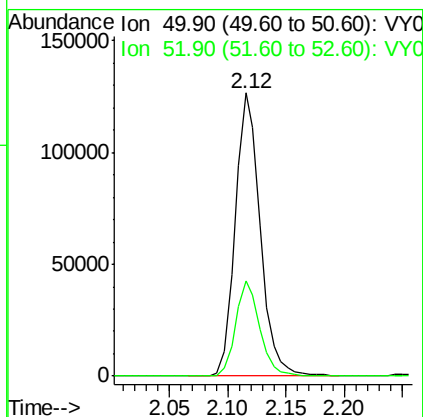
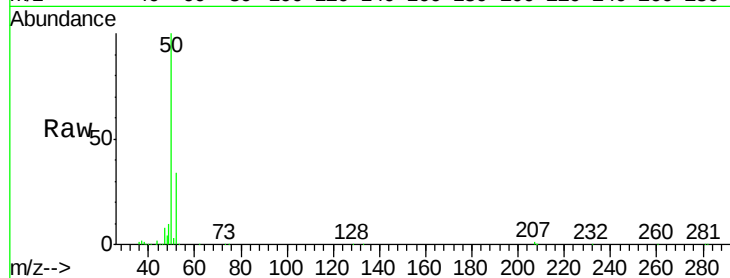
52 33.6 26.6 39.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 45.674 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.01 min

Lab File: VY003308.D

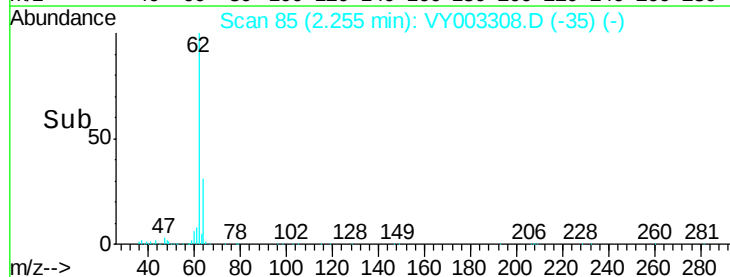
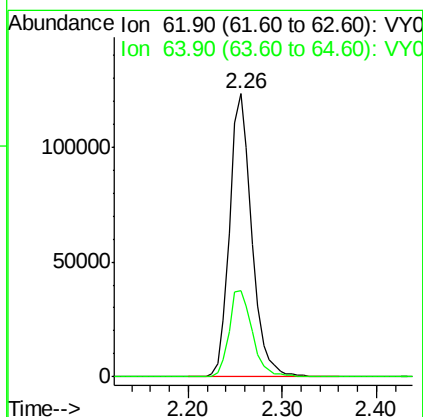
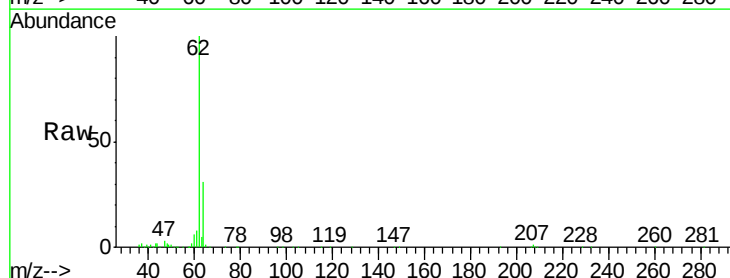
Acq: 23 Jul 2020 11:20

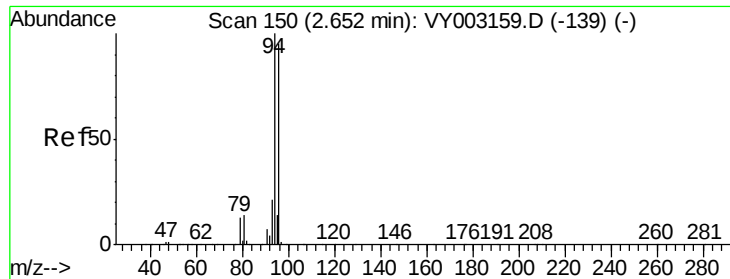
Tgt Ion: 62 Resp: 201476

Ion Ratio Lower Upper

62 100

64 30.6 24.6 37.0





#5

Bromomethane

Concen: 46.436 ug/l

RT: 2.65 min Scan# 150

Delta R.T. 0.00 min

Lab File: VY003308.D

Acq: 23 Jul 2020 11:20

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 152147

Ion Ratio Lower Upper

94 100

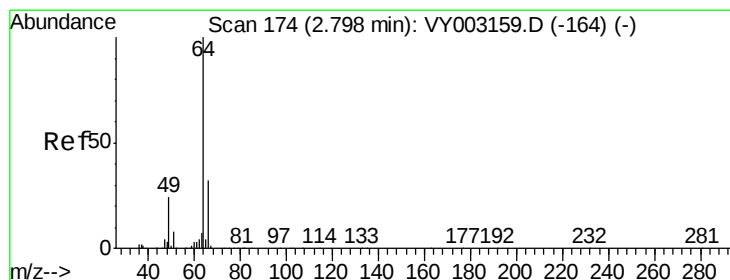
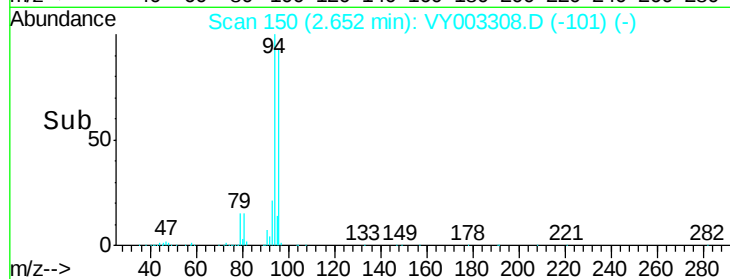
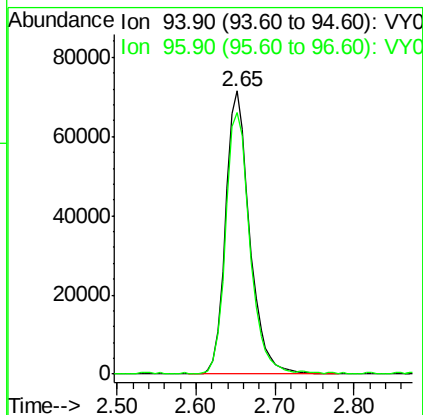
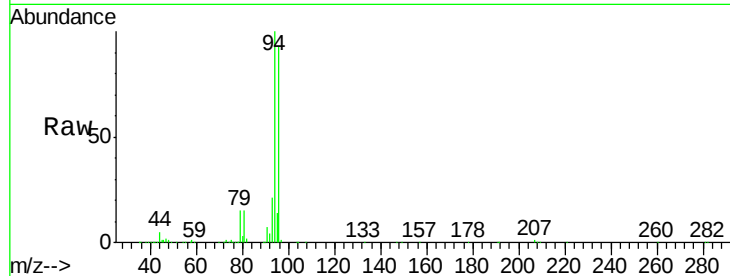
96 92.6 76.0 114.0

Manual Integrations

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#6

Chloroethane

Concen: 45.761 ug/l

RT: 2.80 min Scan# 174

Delta R.T. 0.00 min

Lab File: VY003308.D

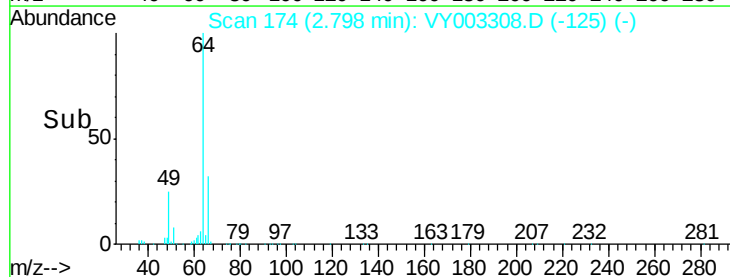
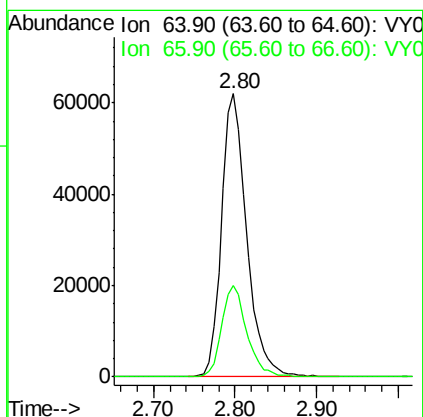
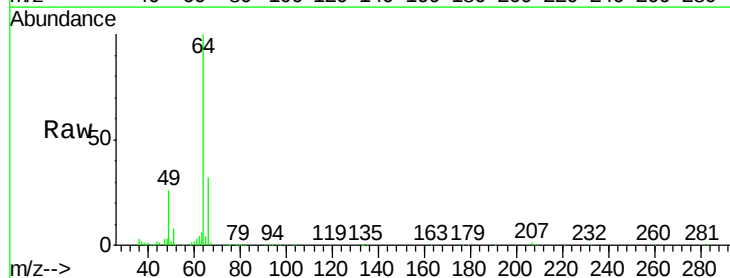
Acq: 23 Jul 2020 11:20

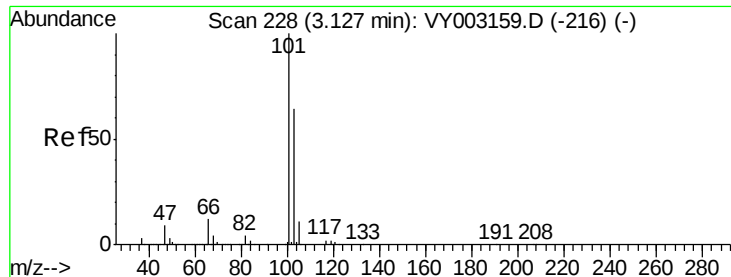
Tgt Ion: 64 Resp: 132585

Ion Ratio Lower Upper

64 100

66 32.4 26.0 39.0





#7

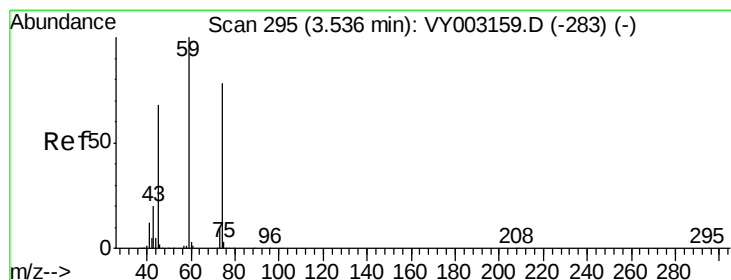
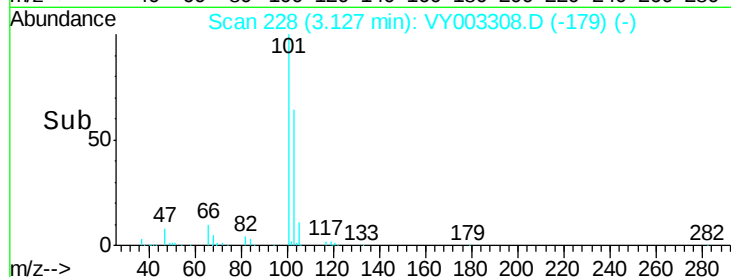
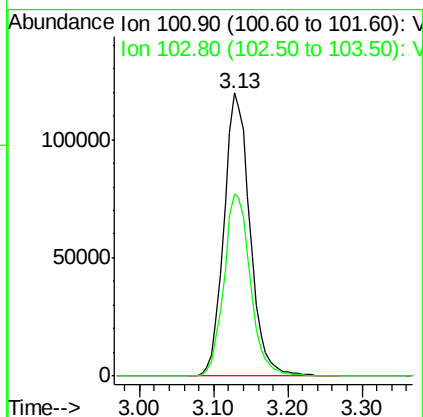
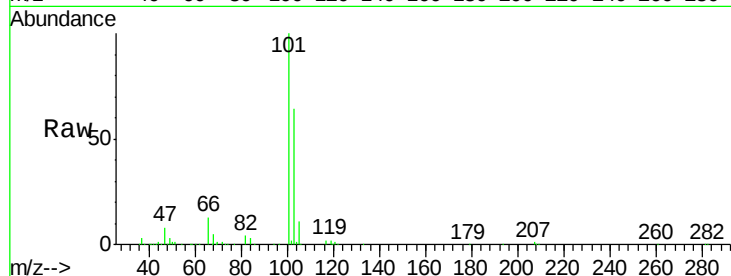
Trichlorofluoromethane
Concen: 46.392 ug/l
RT: 3.13 min Scan# 228
Delta R.T. 0.00 min
Lab File: VY003308.D
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ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.3	51.3	76.9

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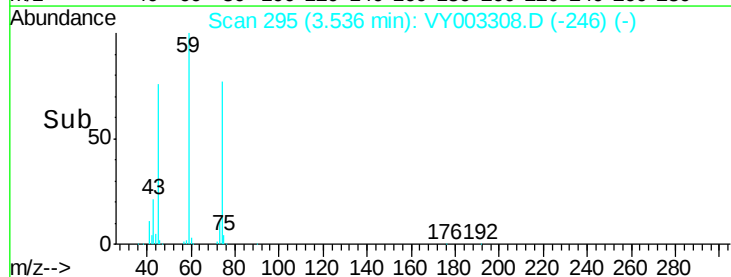
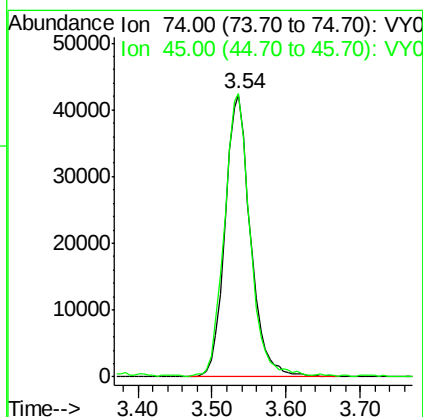
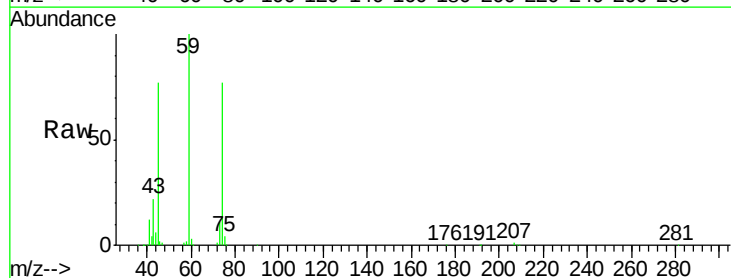
MMDadoda
7/24/2020 12:58:20 PM

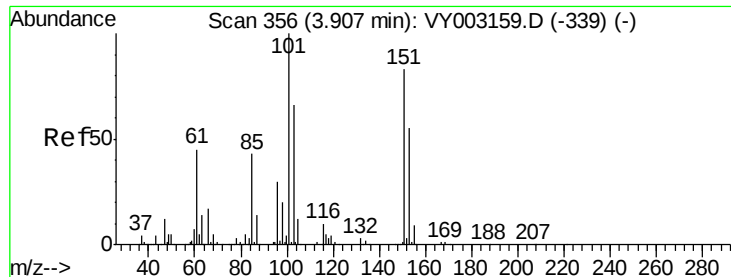


#8

Diethyl Ether
Concen: 47.748 ug/l
RT: 3.54 min Scan# 295
Delta R.T. 0.00 min
Lab File: VY003308.D
Acq: 23 Jul 2020 11:20

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.3	45.3	135.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.964 ug/l

RT: 3.91 min Scan# 356

Delta R.T. 0.00 min

Lab File: VY003308.D

Acq: 23 Jul 2020 11:20

Instrument :

MSVOA_Y

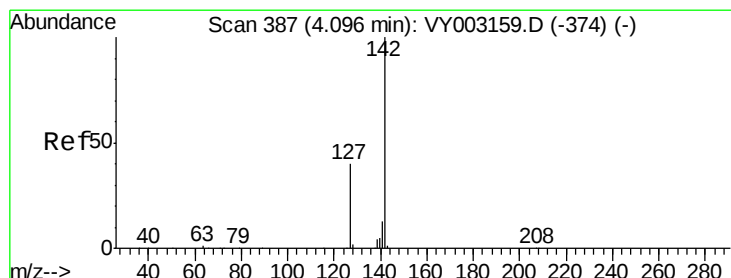
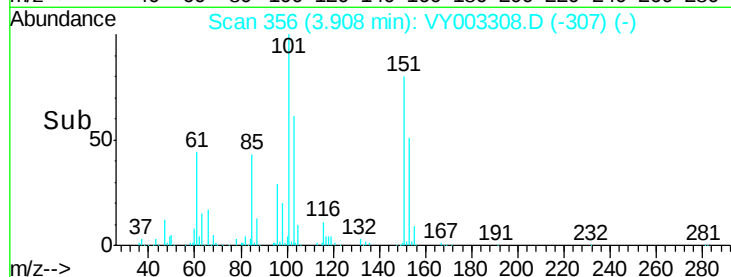
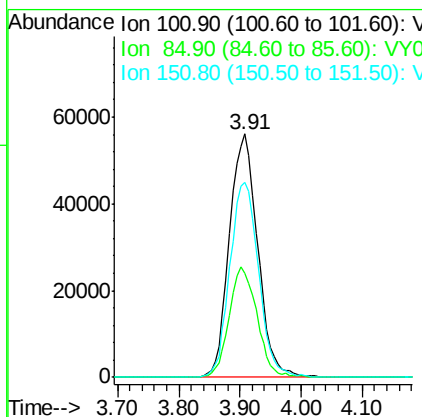
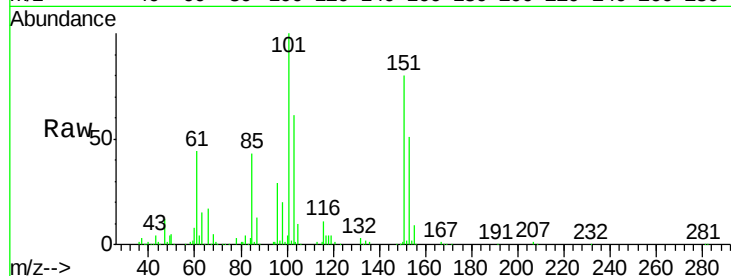
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	178683
Ion Ratio	Lower	Upper	
101	100		
85	44.7	34.9	52.3
151	81.4	67.0	100.6

Manual Integrations
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#10

Methyl Iodide

Concen: 47.052 ug/l

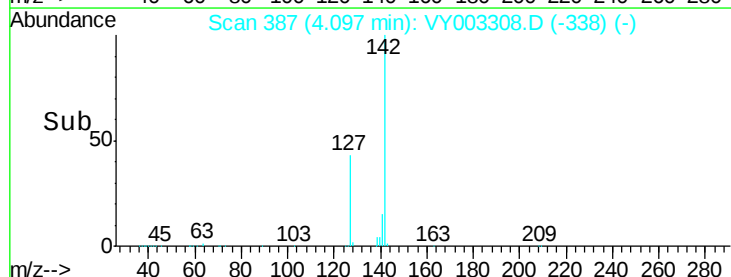
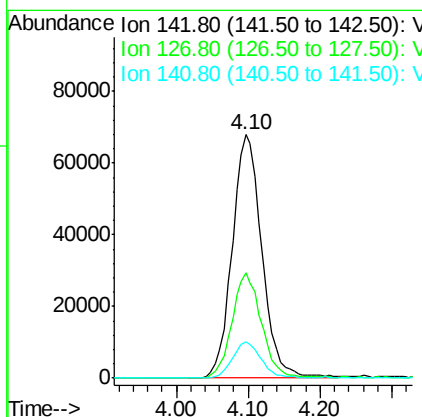
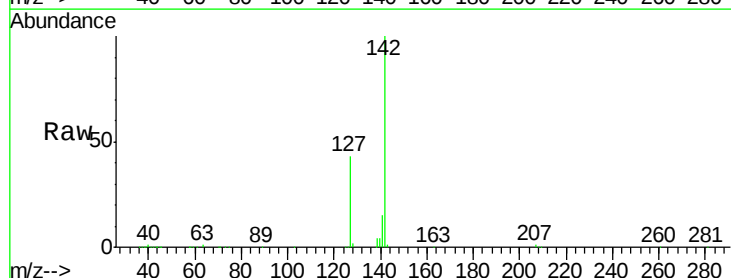
RT: 4.10 min Scan# 387

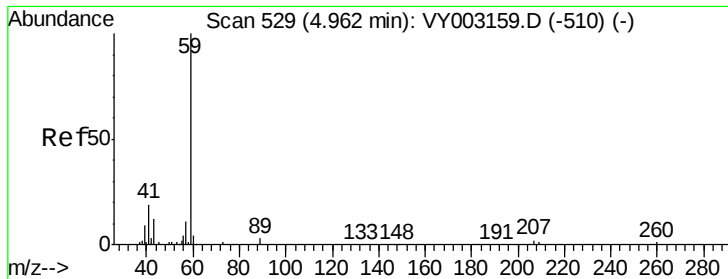
Delta R.T. 0.00 min

Lab File: VY003308.D

Acq: 23 Jul 2020 11:20

Tgt Ion:	142	Resp:	194490
Ion Ratio	Lower	Upper	
142	100		
127	42.8	33.5	50.3
141	14.5	11.2	16.8





#11

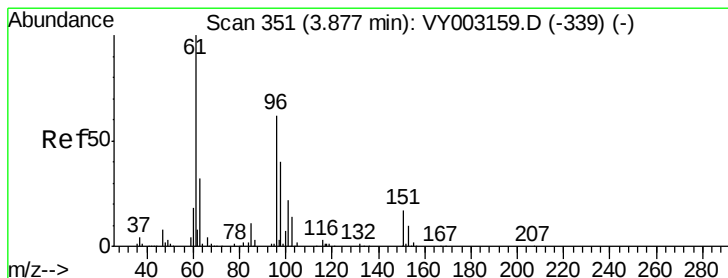
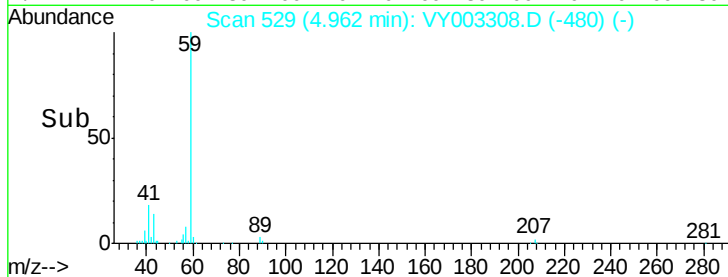
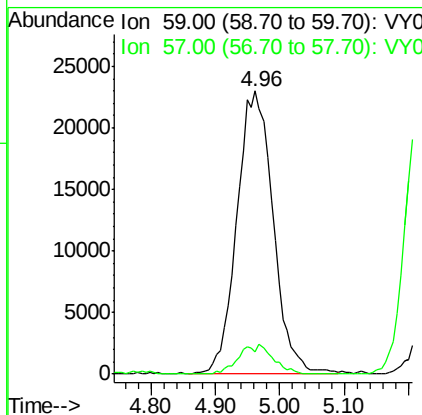
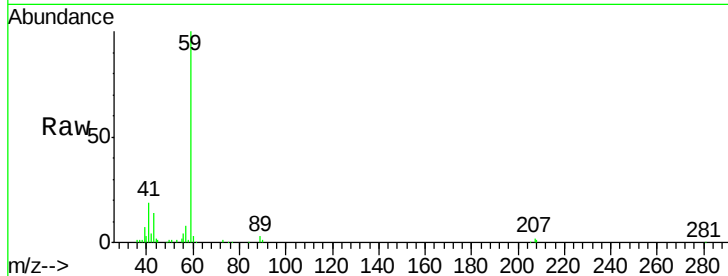
Tert butyl alcohol
Concen: 226.744 ug/l
RT: 4.96 min Scan# 529
Delta R.T. 0.00 min
Lab File: VY003308.D
Acq: 23 Jul 2020 11:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100	89494		
57	57	5.2		8.4	12.6#

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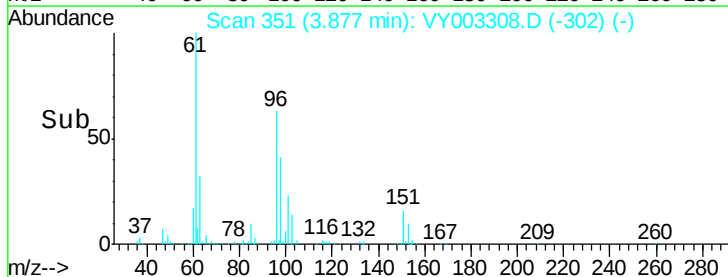
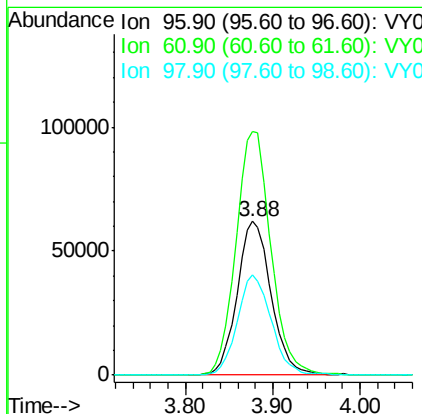
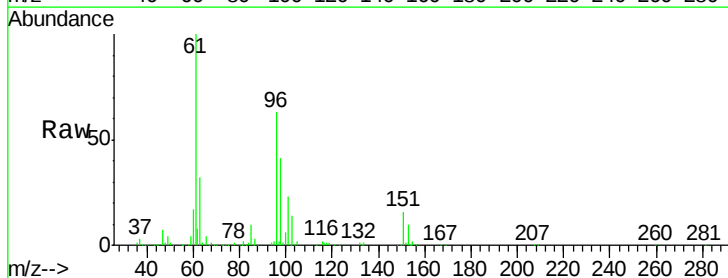
MMDadoda
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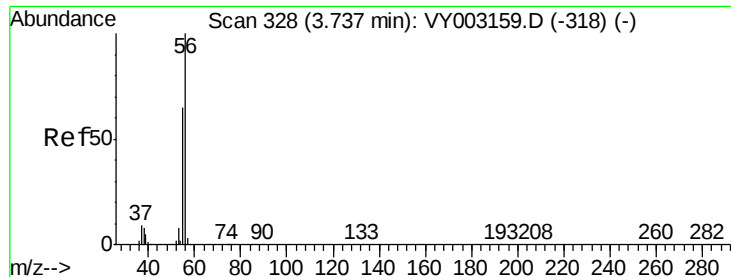


#12

1,1-Dichloroethene
Concen: 46.523 ug/l
RT: 3.88 min Scan# 351
Delta R.T. 0.00 min
Lab File: VY003308.D
Acq: 23 Jul 2020 11:20

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100	167420		
61	61	158.6		128.6	193.0
98	98	65.4		51.6	77.4





#13

Acrolein

Concen: 207.633 ug/l

RT: 3.74 min Scan# 328

Delta R.T. 0.00 min

Lab File: VY003308.D

Acq: 23 Jul 2020 11:20

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 71131

Ion Ratio Lower Upper

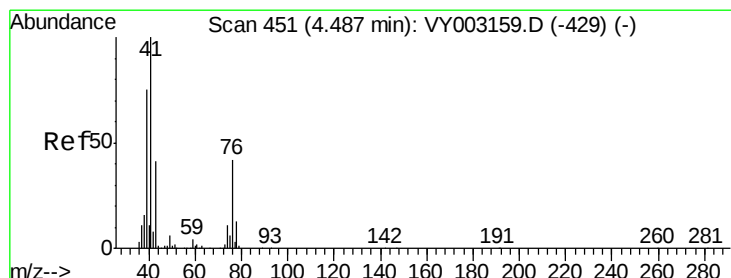
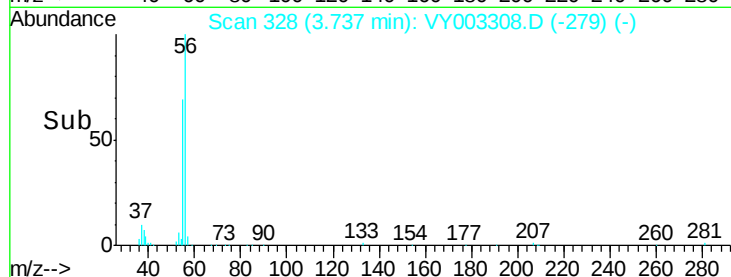
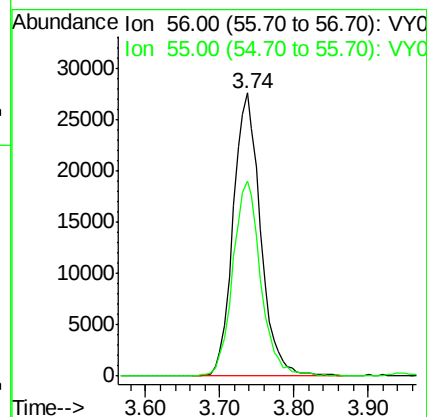
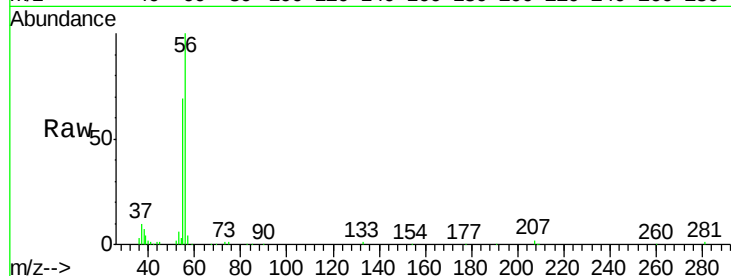
56 100

55 70.1 56.0 84.0

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#14

Allyl chloride

Concen: 53.997 ug/l

RT: 4.49 min Scan# 451

Delta R.T. 0.00 min

Lab File: VY003308.D

Acq: 23 Jul 2020 11:20

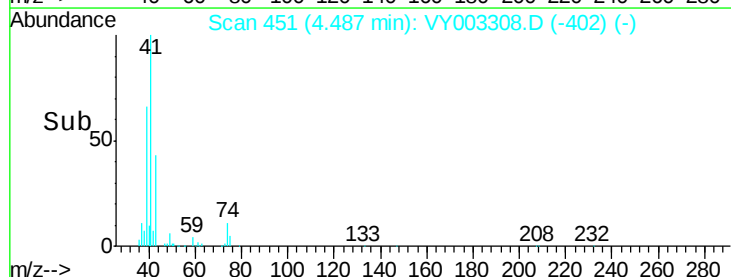
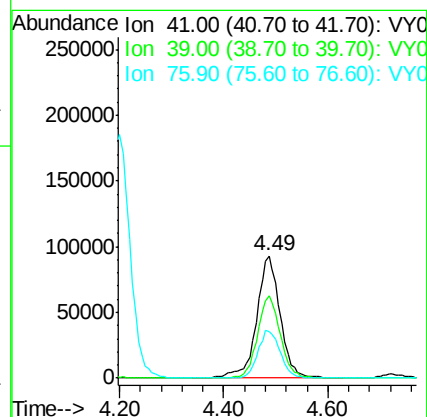
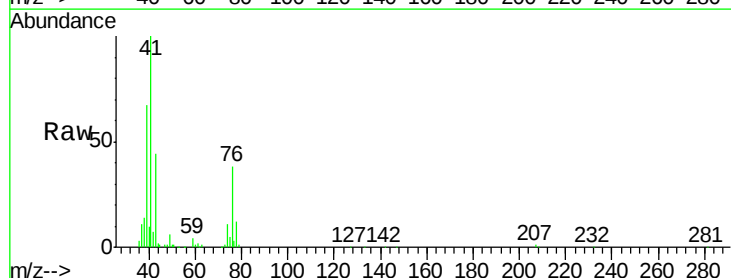
Tgt Ion: 41 Resp: 288333

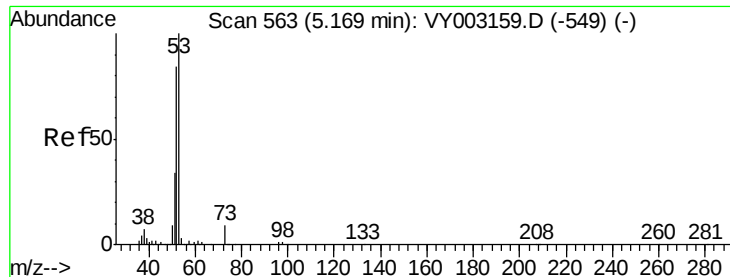
Ion Ratio Lower Upper

41 100

39 65.3 56.6 85.0

76 37.0 31.6 47.4





#15

Acrylonitrile

Concen: 264.553 ug/l

RT: 5.18 min Scan# 564

Delta R.T. 0.01 min

Lab File: VY003308.D

Acq: 23 Jul 2020 11:20

Instrument :

MSVOA_Y

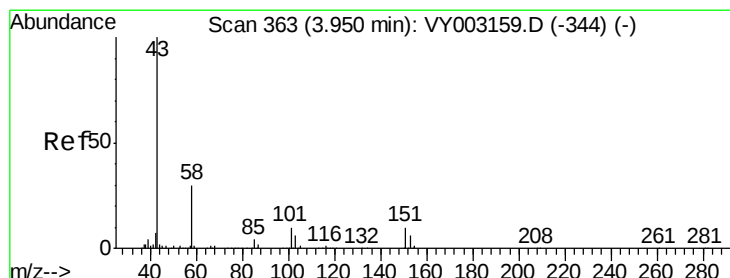
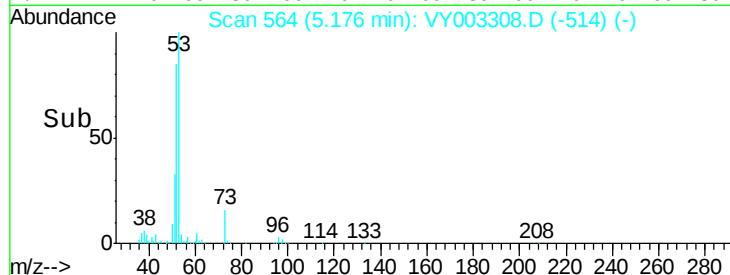
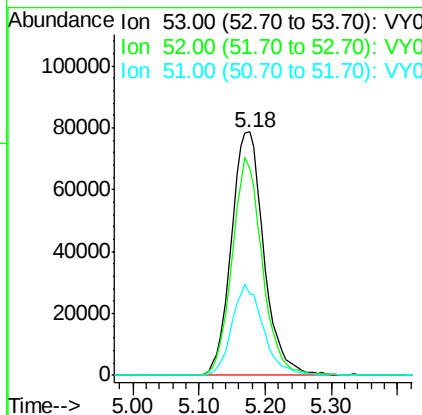
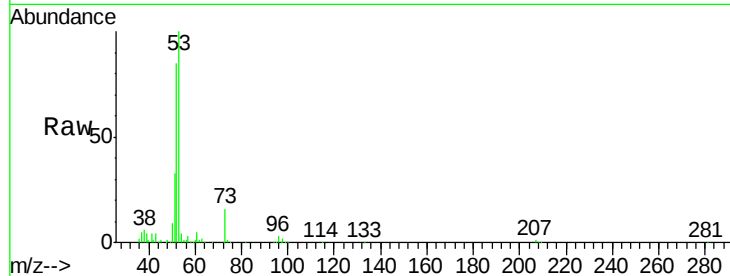
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	268264
Ion Ratio	Lower	Upper	
53	100		
52	82.8	65.8	98.6
51	36.2	29.0	43.4

Manual Integrations
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#16

Acetone

Concen: 271.846 ug/l

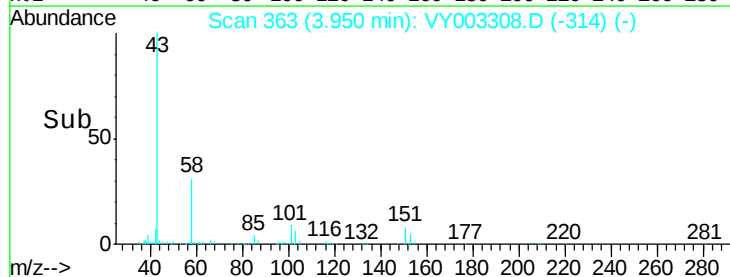
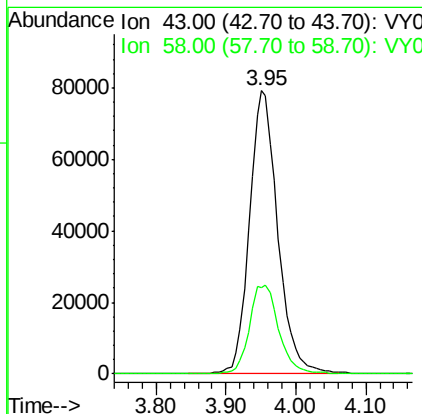
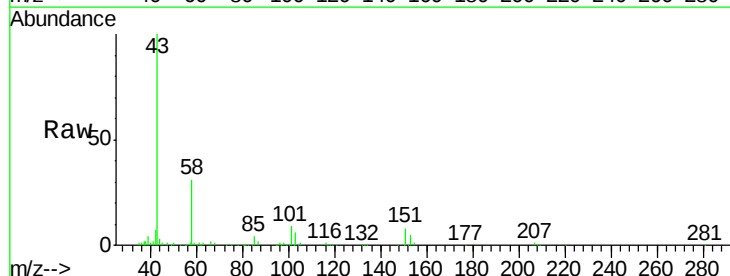
RT: 3.95 min Scan# 363

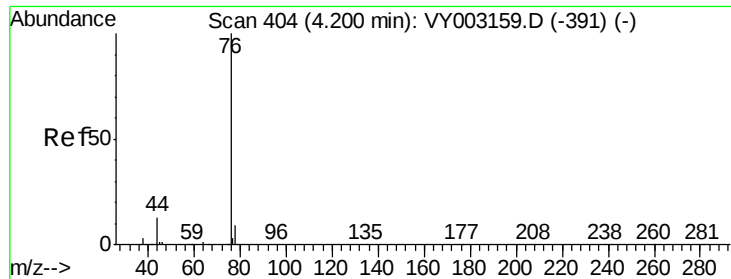
Delta R.T. 0.00 min

Lab File: VY003308.D

Acq: 23 Jul 2020 11:20

Tgt Ion:	43	Resp:	221642
Ion Ratio	Lower	Upper	
43	100		
58	30.4	23.8	35.6





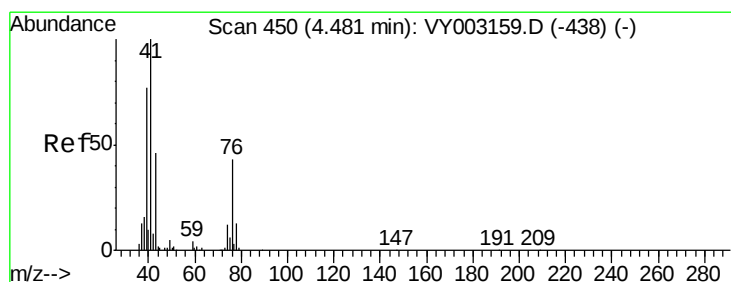
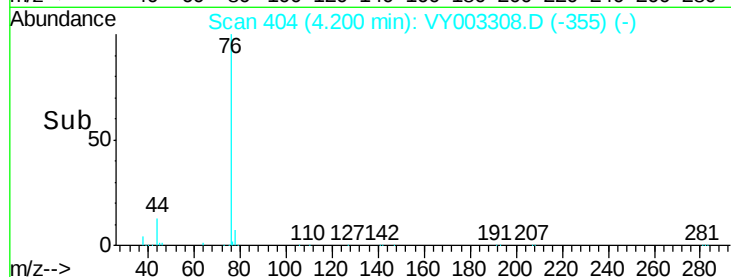
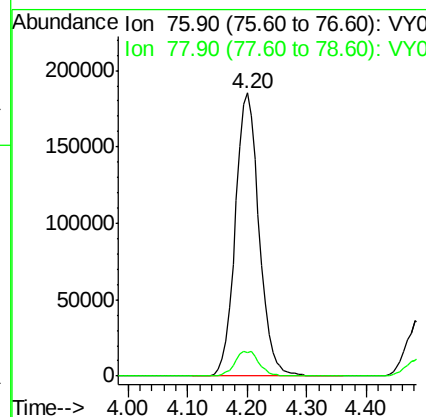
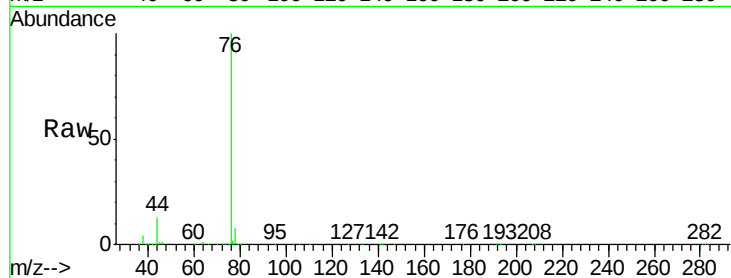
#17
Carbon Disulfide
Concen: 46.342 ug/l
RT: 4.20 min Scan# 404
Delta R.T. 0.00 min
Lab File: VY003308.D
Acq: 23 Jul 2020 11:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.3	7.3	10.9

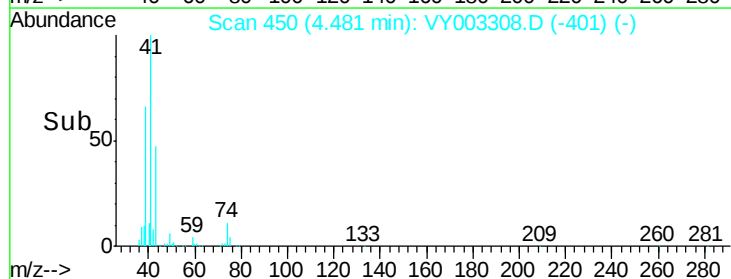
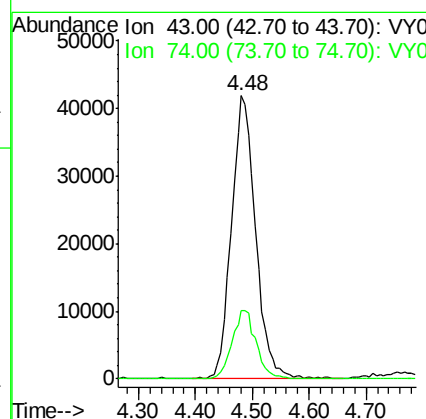
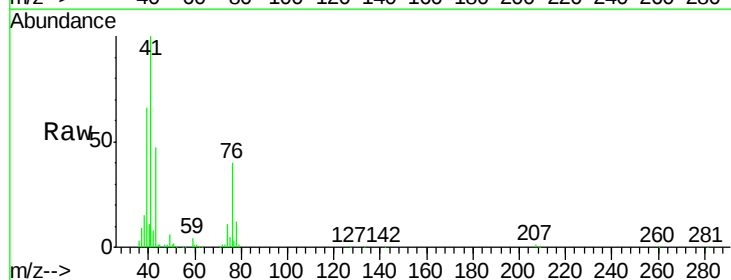
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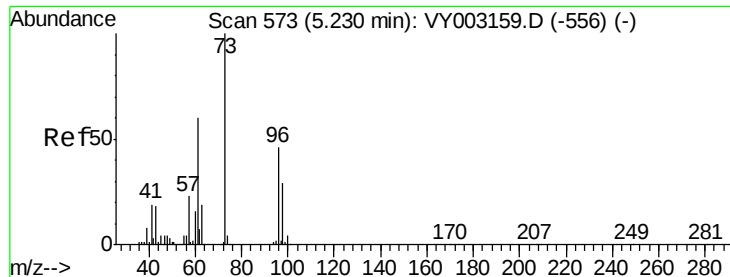
MMDadoda
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#18
Methyl Acetate
Concen: 54.853 ug/l
RT: 4.48 min Scan# 450
Delta R.T. 0.00 min
Lab File: VY003308.D
Acq: 23 Jul 2020 11:20

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.9	20.8	31.2





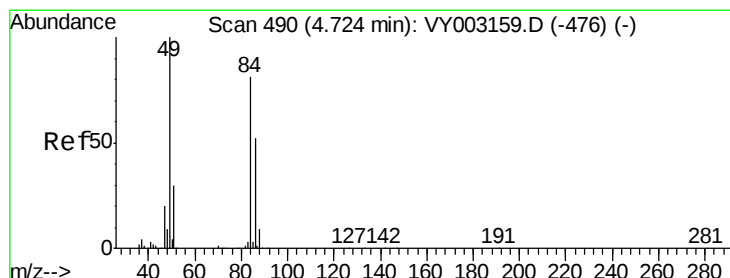
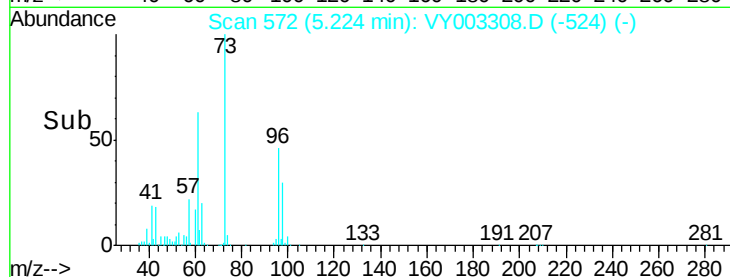
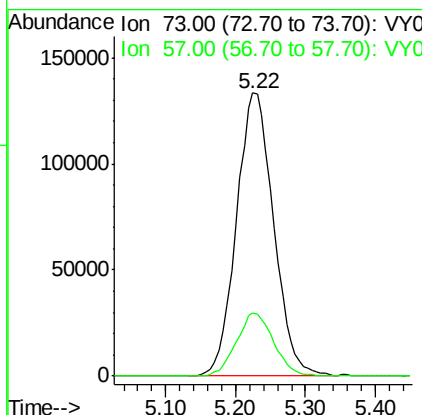
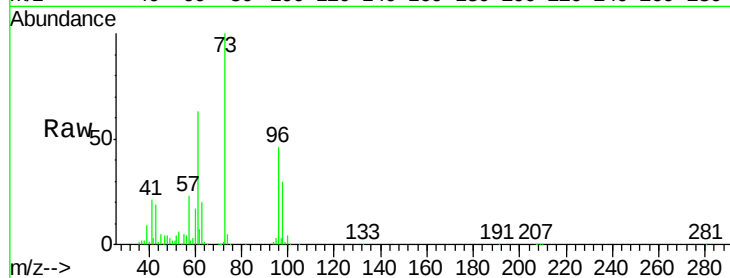
#19
Methyl tert-butyl Ether
Concen: 48.849 ug/l
RT: 5.22 min Scan# 572
Delta R.T. -0.01 min
Lab File: VY003308.D
Acq: 23 Jul 2020 11:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.5	18.1	27.1

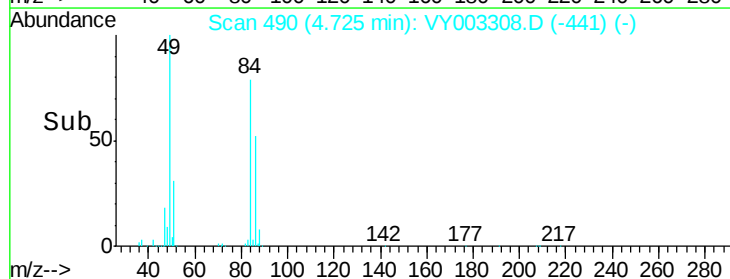
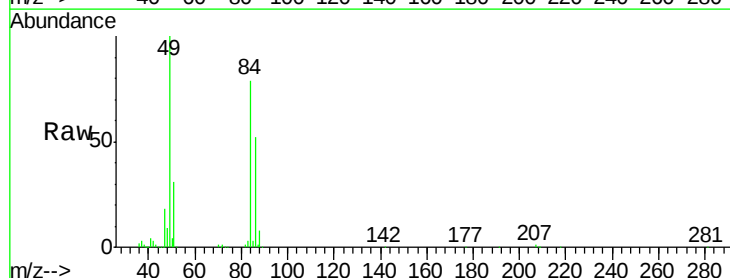
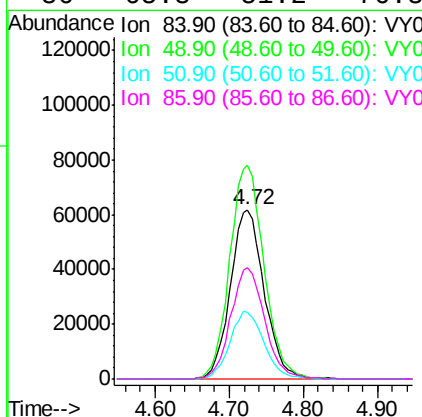
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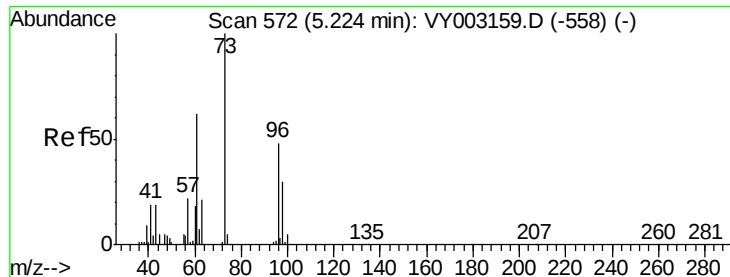
MMDadoda
7/24/2020 12:58:20 PM



#20
Methylene Chloride
Concen: 47.719 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY003308.D
Acq: 23 Jul 2020 11:20

Tgt Ion	Ratio	Lower	Upper
84	100		
49	126.1	98.2	147.4
51	39.6	29.8	44.6
86	65.8	51.2	76.8





#21

trans-1,2-Dichloroethene

Concen: 47.920 ug/l

RT: 5.23 min Scan# 573

Delta R.T. 0.01 min

Lab File: VY003308.D

Acq: 23 Jul 2020 11:20

Instrument :

MSVOA_Y

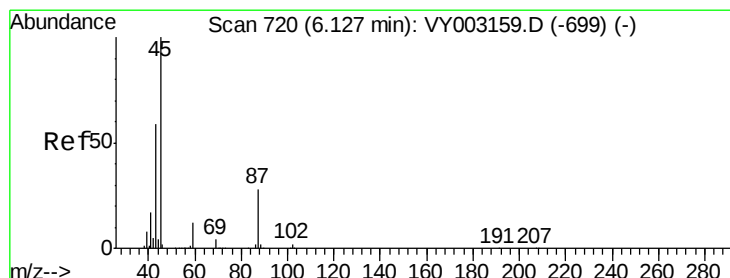
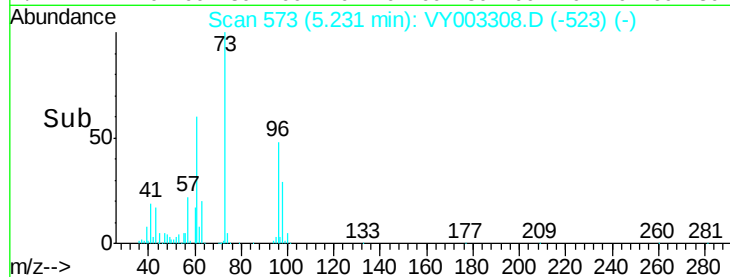
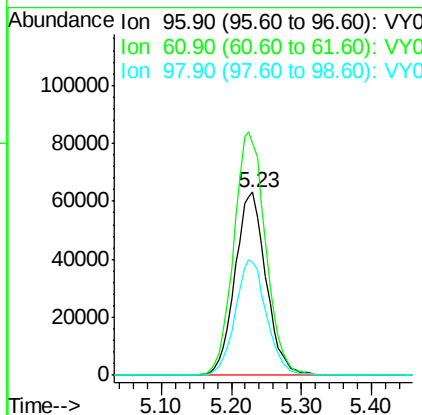
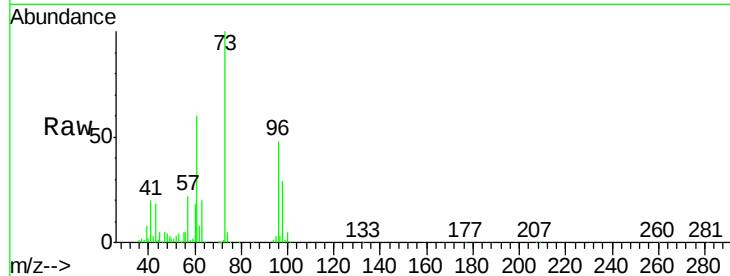
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	195046
Ion	Ratio	Lower	Upper
96	100		
61	126.7	102.5	153.7
98	61.6	49.8	74.8

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#22

Diisopropyl ether

Concen: 53.836 ug/l

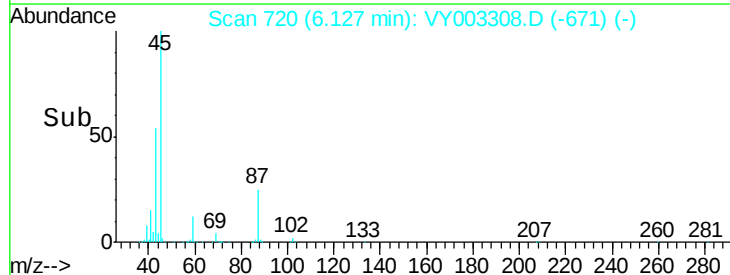
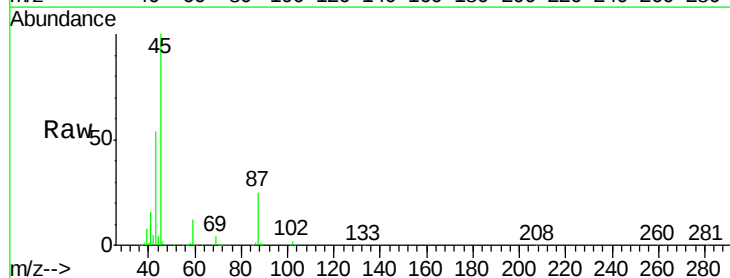
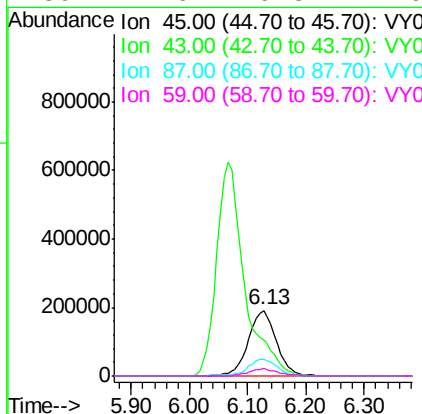
RT: 6.13 min Scan# 720

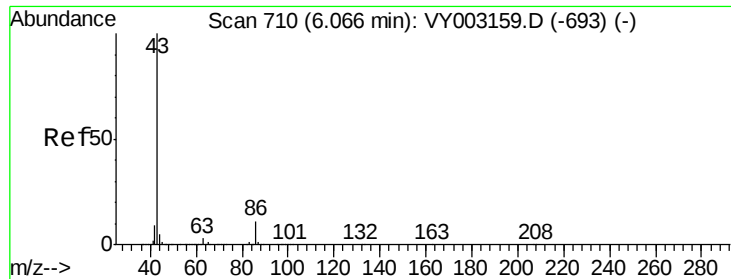
Delta R.T. 0.00 min

Lab File: VY003308.D

Acq: 23 Jul 2020 11:20

Tgt Ion:	45	Resp:	638009
Ion	Ratio	Lower	Upper
45	100		
43	53.7	47.0	70.4
87	25.2	22.6	33.8
59	11.6	9.8	14.6





#23

Vinyl Acetate

Concen: 262.695 ug/l

RT: 6.07 min Scan# 710

Delta R.T. 0.00 min

Lab File: VY003308.D

Acq: 23 Jul 2020 11:20

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2075007

Ion Ratio Lower Upper

43 100

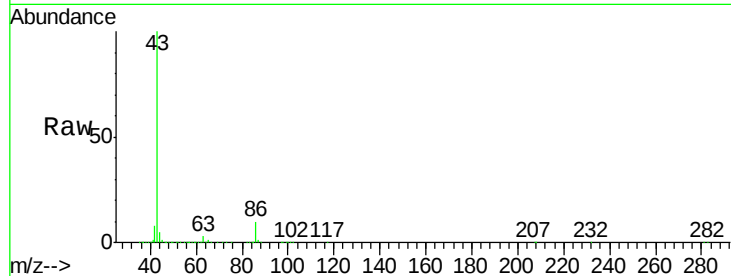
86 10.3 8.8 13.2

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

6.07

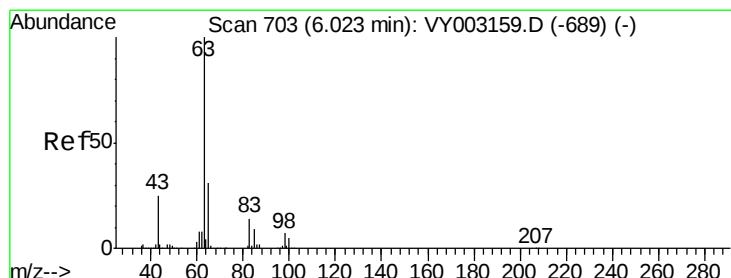
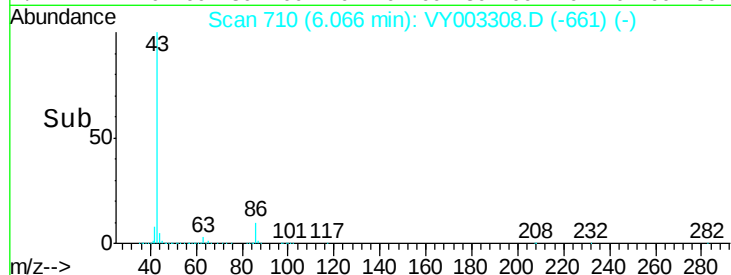
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 50.544 ug/l

RT: 6.02 min Scan# 703

Delta R.T. 0.00 min

Lab File: VY003308.D

Acq: 23 Jul 2020 11:20

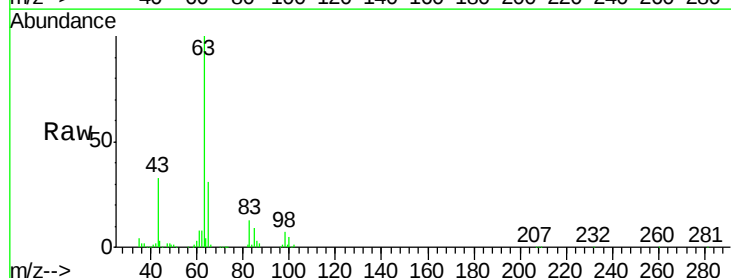
Tgt Ion: 63 Resp: 347028

Ion Ratio Lower Upper

63 100

98 7.1 3.6 10.8

100 4.7 2.4 7.2



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

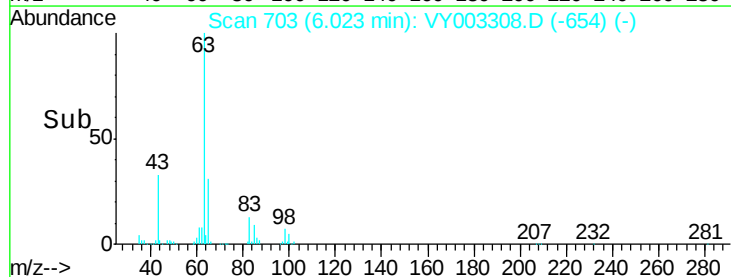
150000

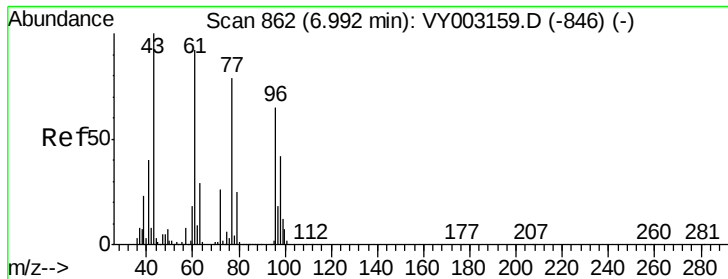
100000

50000

0

Time-->





#25

2-Butanone

Concen: 262.848 ug/l

RT: 6.99 min Scan# 862

Delta R.T. 0.00 min

Lab File: VY003308.D

Acq: 23 Jul 2020 11:20

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 351870

Ion Ratio Lower Upper

43 100

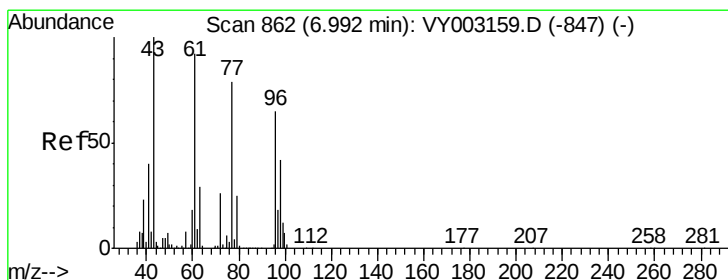
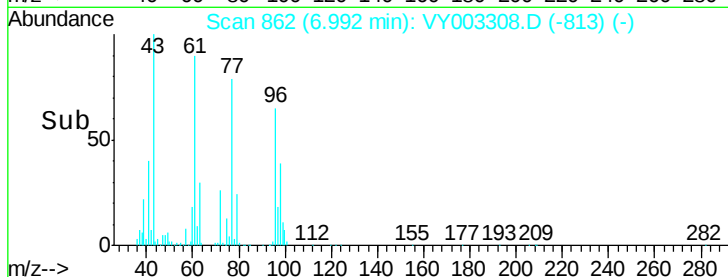
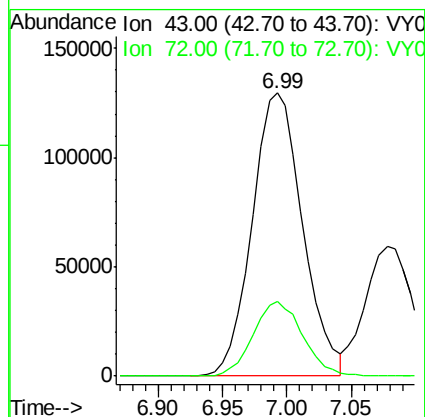
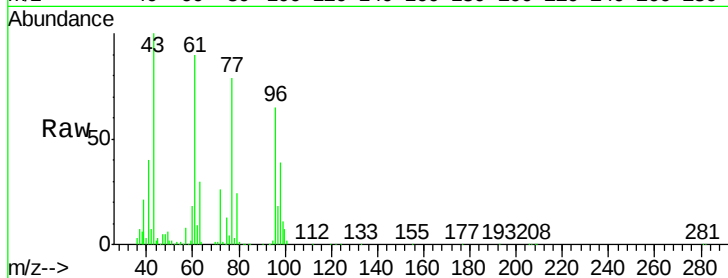
72 26.4 20.9 31.3

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 50.623 ug/l

RT: 6.99 min Scan# 862

Delta R.T. 0.00 min

Lab File: VY003308.D

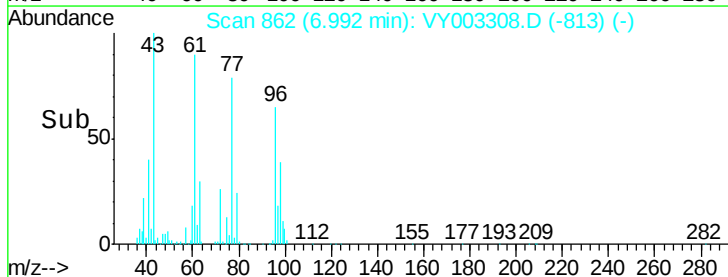
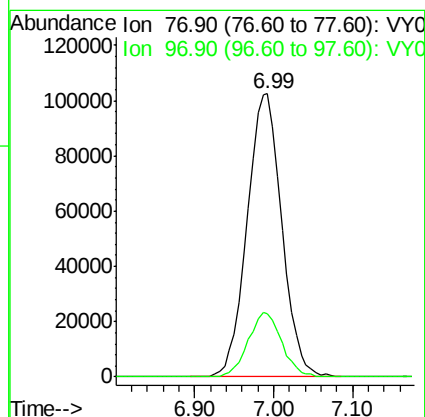
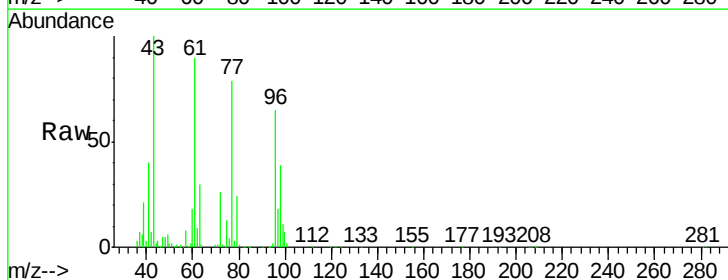
Acq: 23 Jul 2020 11:20

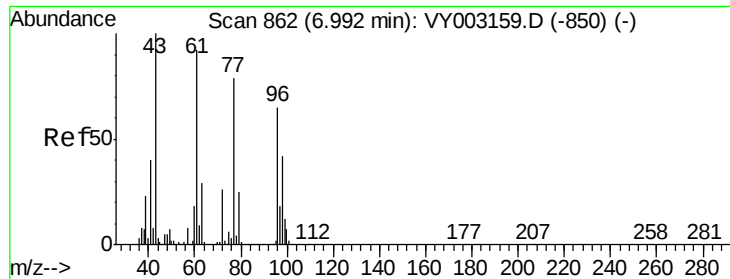
Tgt Ion: 77 Resp: 313009

Ion Ratio Lower Upper

77 100

97 22.2 11.6 34.7





#27

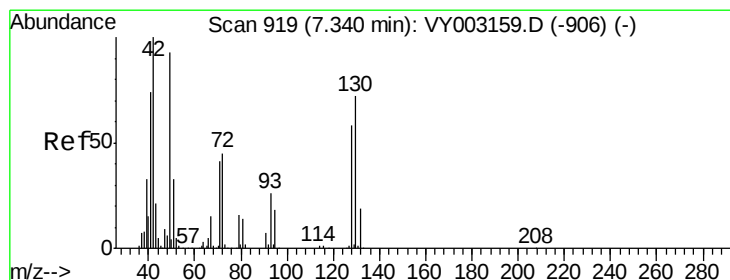
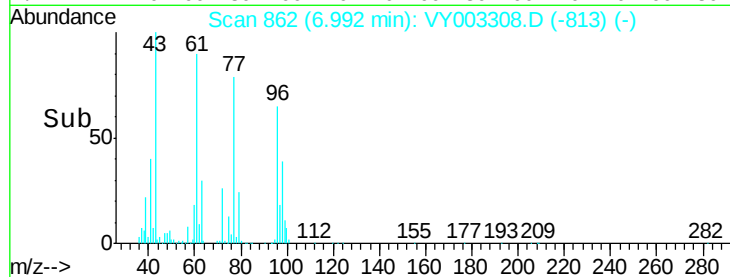
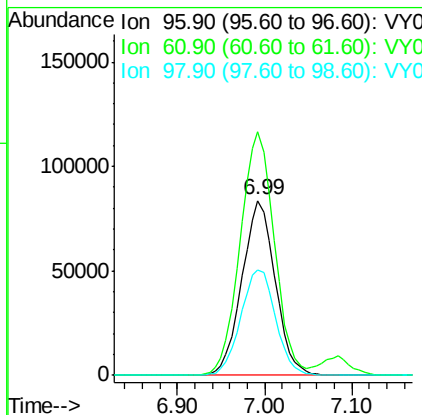
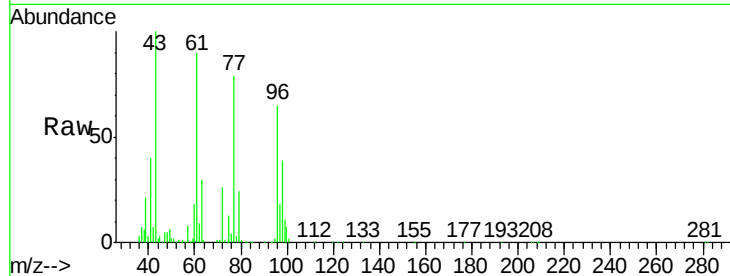
cis-1,2-Dichloroethene
Concen: 49.365 ug/l
RT: 6.99 min Scan# 862
Delta R.T. 0.00 min
Lab File: VY003308.D
Acq: 23 Jul 2020 11:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	143.1	0.0	281.2
98	63.2	0.0	129.8

Manual Integrations
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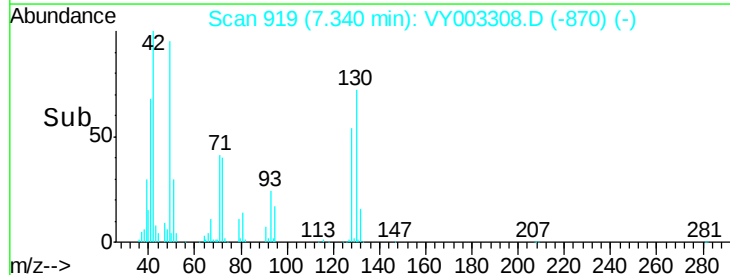
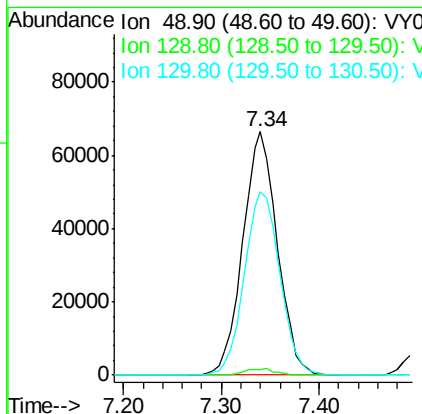
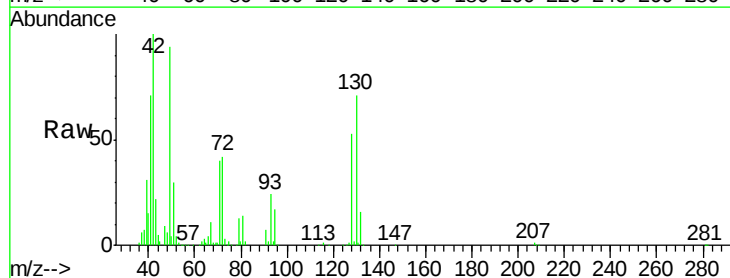
MMDadoda
7/24/2020 12:58:20 PM

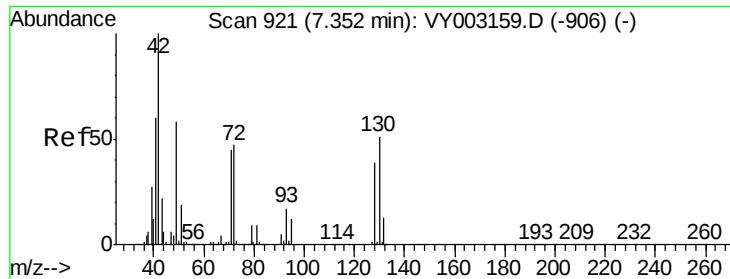


#28

Bromochloromethane
Concen: 54.601 ug/l
RT: 7.34 min Scan# 919
Delta R.T. 0.00 min
Lab File: VY003308.D
Acq: 23 Jul 2020 11:20

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	5.0
130	77.9	64.9	97.3





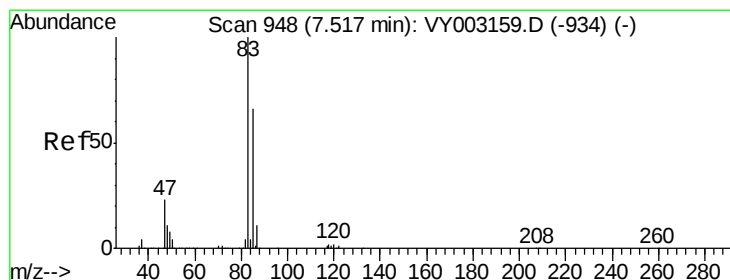
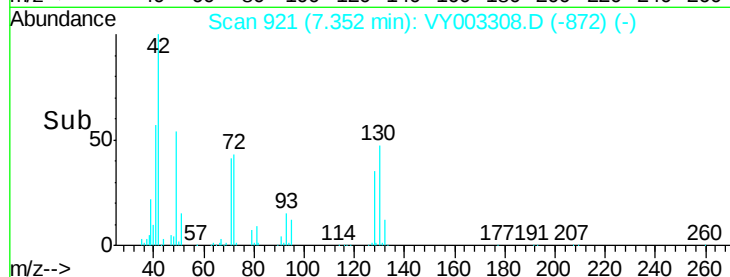
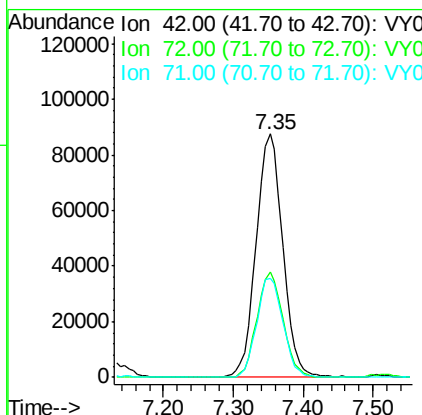
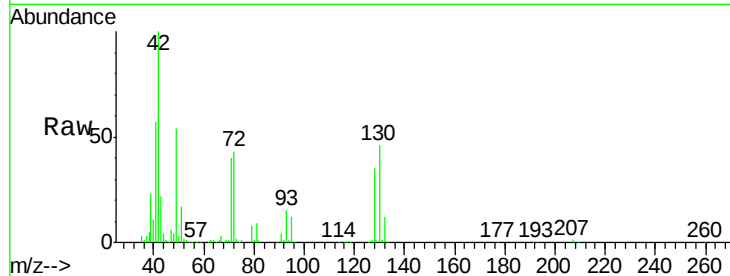
#29
Tetrahydrofuran
Concen: 259.007 ug/l
RT: 7.35 min Scan# 921
Delta R.T. 0.00 min
Lab File: VY003308.D
Acq: 23 Jul 2020 11:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.2	36.7	55.1
71	40.4	34.2	51.4

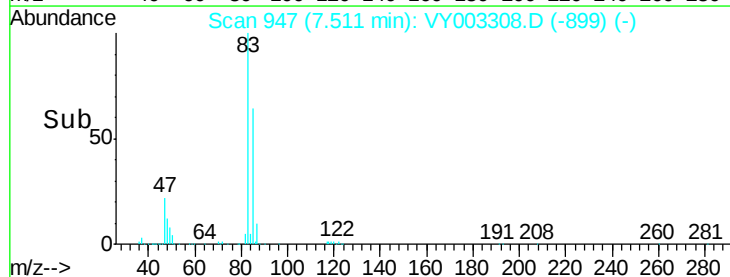
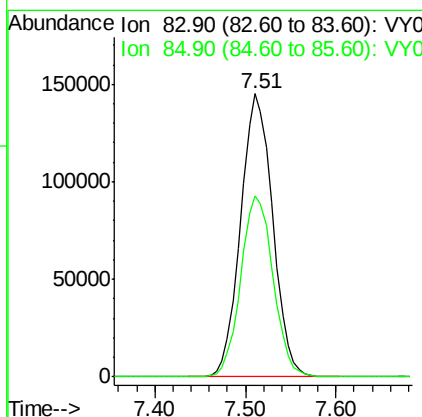
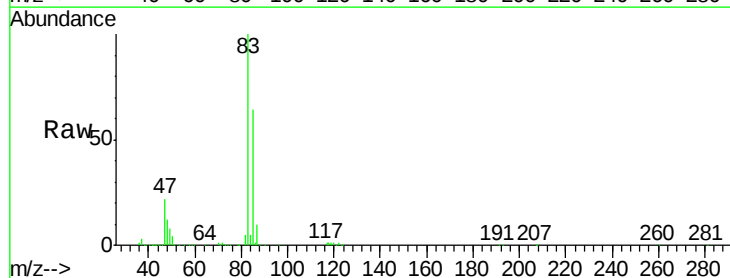
Manual Integrations
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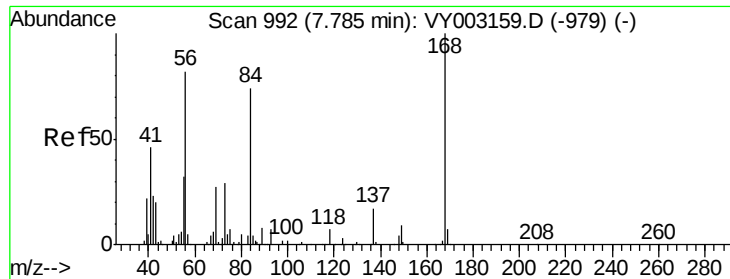
MMDadoda
7/24/2020 12:58:20 PM



#30
Chloroform
Concen: 50.307 ug/l
RT: 7.51 min Scan# 947
Delta R.T. -0.01 min
Lab File: VY003308.D
Acq: 23 Jul 2020 11:20

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	52.6	78.8





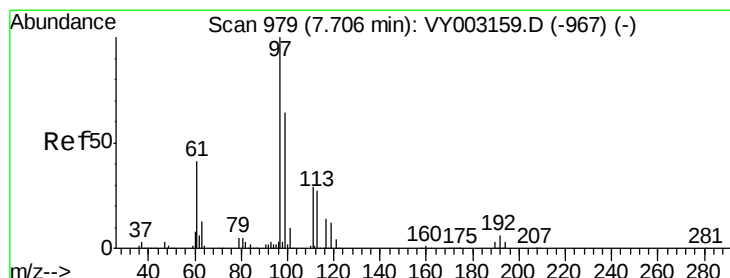
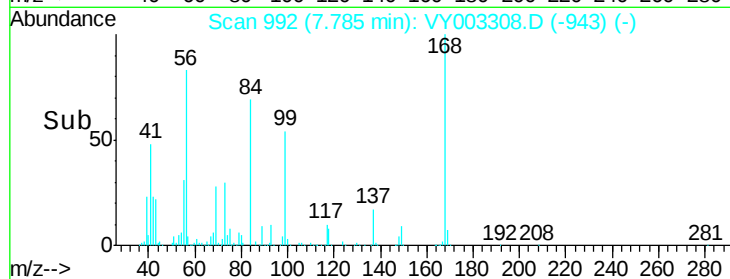
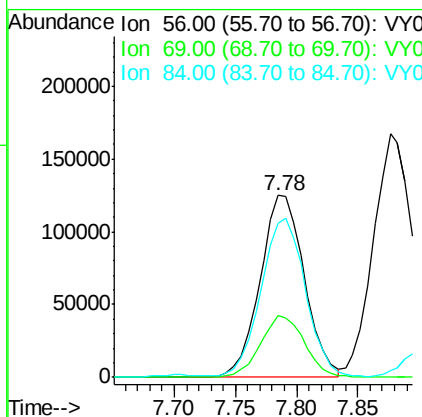
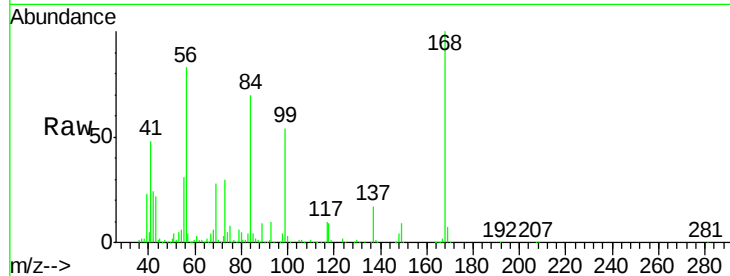
#31
Cyclohexane
Concen: 47.394 ug/l
RT: 7.78 min Scan# 992
Delta R.T. 0.00 min
Lab File: VY003308.D
Acq: 23 Jul 2020 11:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	33.9	26.7	40.1	
84	83.2	72.3	108.5	

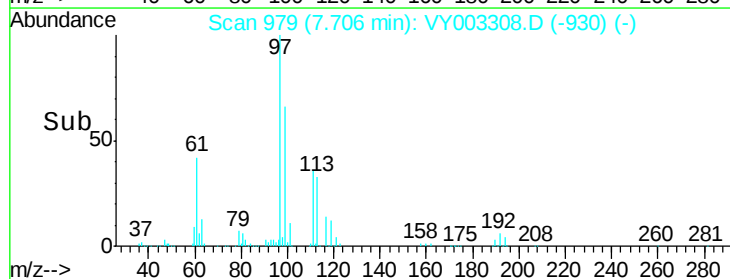
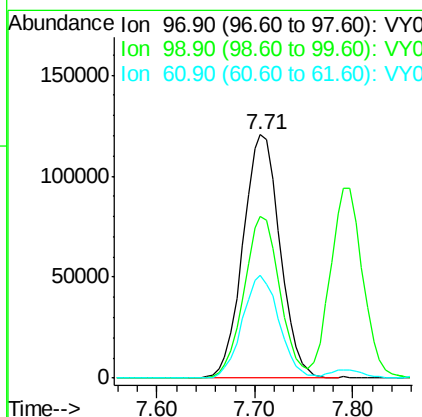
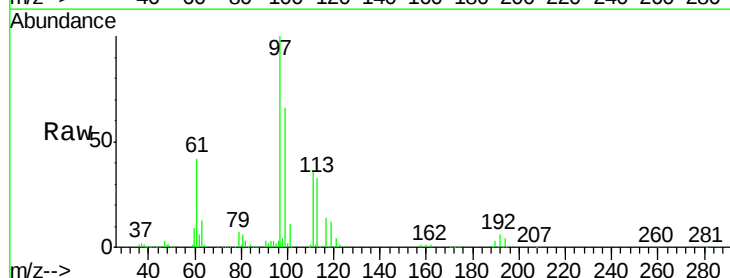
Manual Integrations
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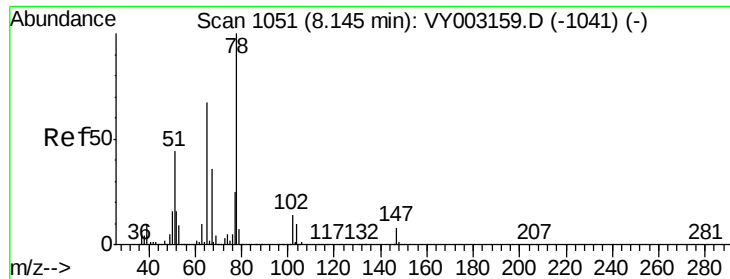
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 49.607 ug/l
RT: 7.71 min Scan# 979
Delta R.T. 0.00 min
Lab File: VY003308.D
Acq: 23 Jul 2020 11:20

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	64.7	52.1	78.1	
61	42.0	33.9	50.9	





#33

1,2-Dichloroethane-d4

Concen: 49.168 ug/l

RT: 8.14 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VY003308.D

Acq: 23 Jul 2020 11:20

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 179469

Ion Ratio Lower Upper

65 100

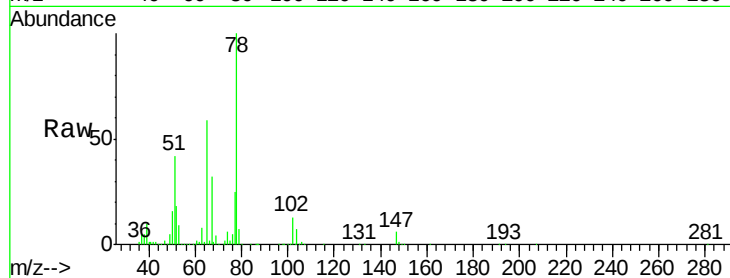
67 54.1 0.0 105.2

Manual Integrations

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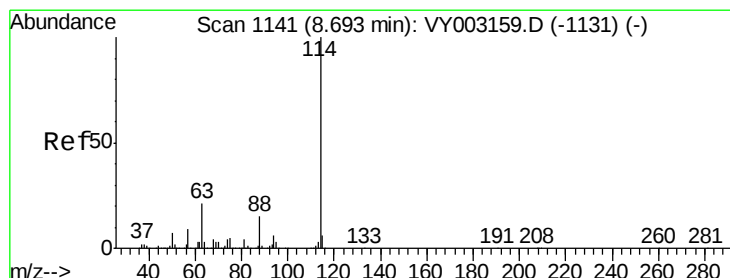
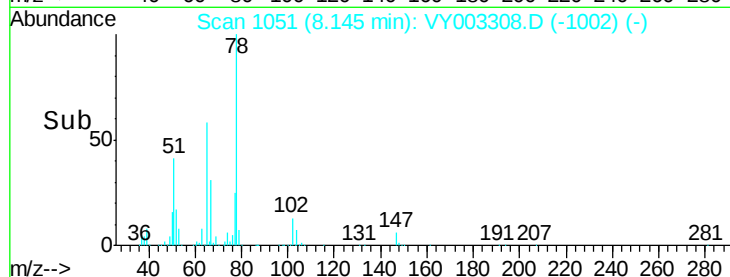
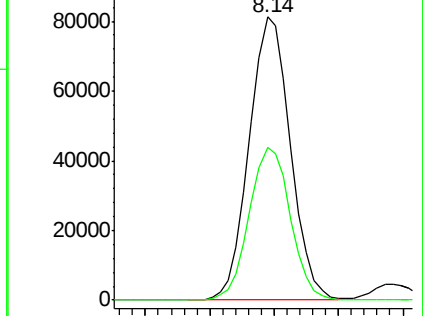
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Abundance Ion 64.90 (64.60 to 65.60): VY003308.D (-1041) (-)

Ion 66.90 (66.60 to 67.60): VY003308.D (-1041) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.69 min Scan# 1141

Delta R.T. 0.00 min

Lab File: VY003308.D

Acq: 23 Jul 2020 11:20

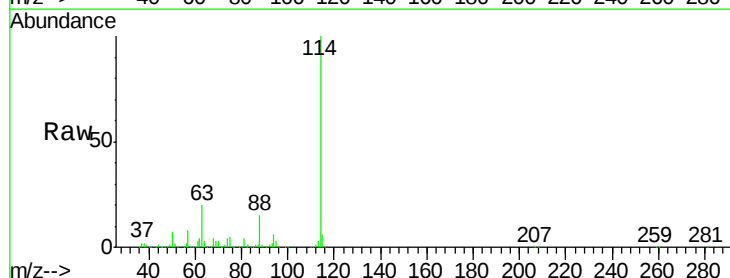
Tgt Ion: 114 Resp: 637421

Ion Ratio Lower Upper

114 100

63 20.2 0.0 41.2

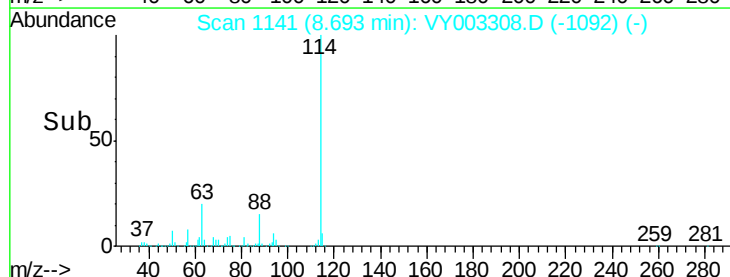
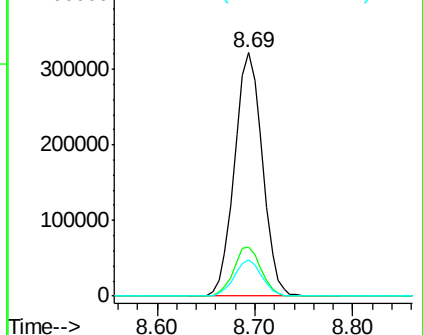
88 14.7 0.0 30.2

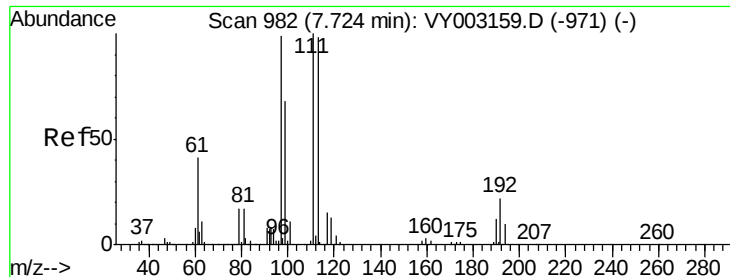


Abundance Ion 113.90 (113.60 to 114.60): VY003308.D (-1092) (-)

Ion 63.00 (62.70 to 63.70): VY003308.D (-1092) (-)

Ion 87.90 (87.60 to 88.60): VY003308.D (-1092) (-)





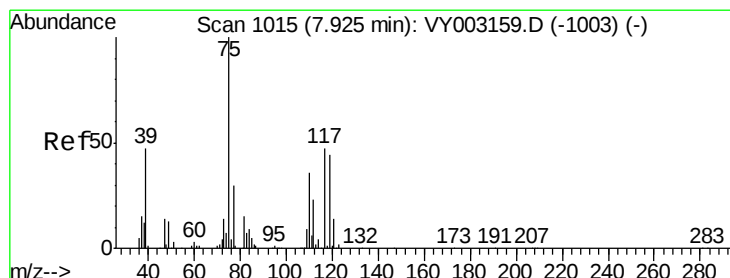
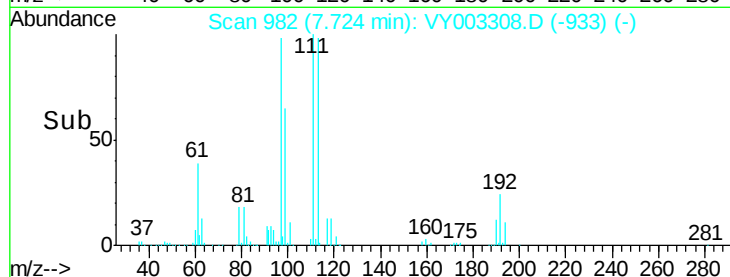
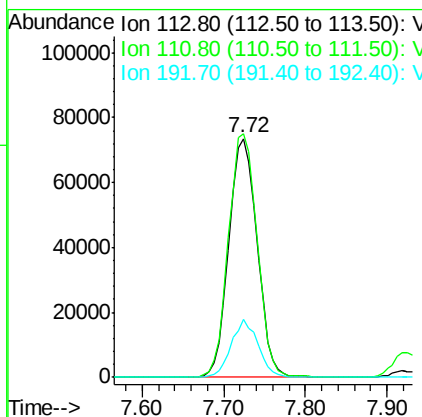
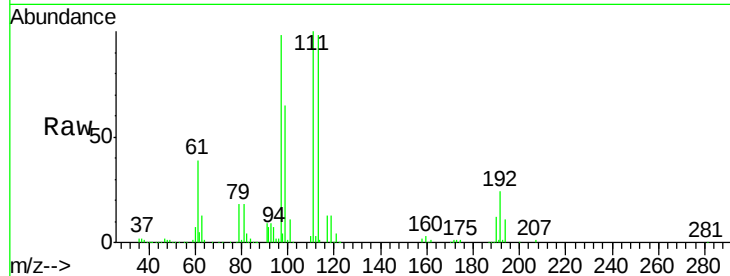
#35
 Dibromofluoromethane
 Concen: 48.064 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: VY003308.D
 Acq: 23 Jul 2020 11:20

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	176307		
111	103.2	82.1	123.1	
192	22.8	18.8	28.2	

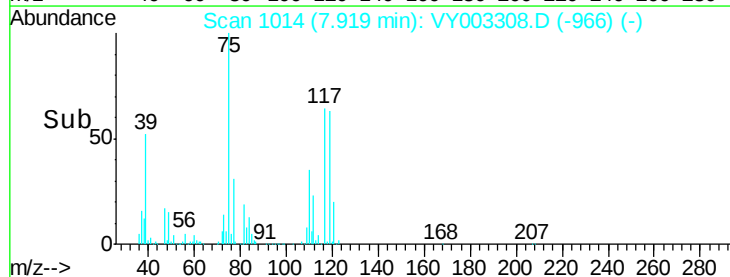
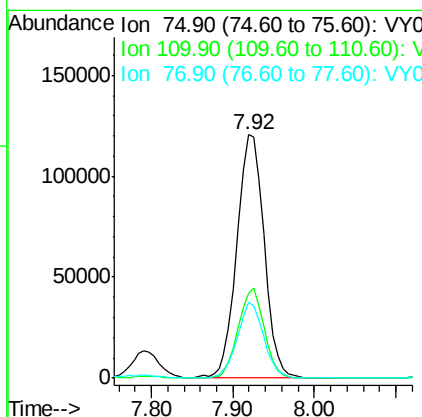
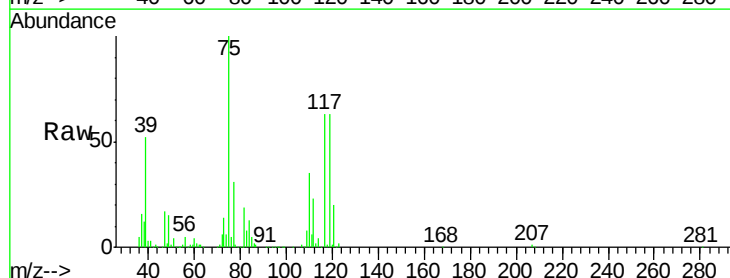
Manual Integrations
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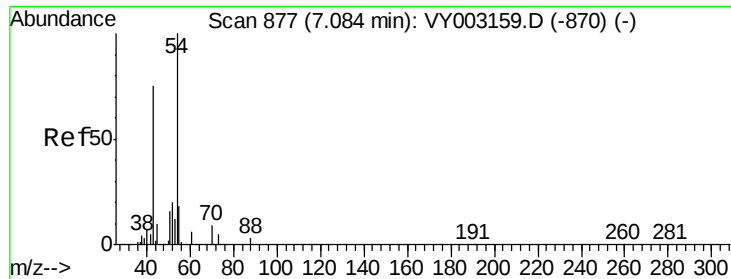
MMDadoda
 7/24/2020 12:58:20 PM



#36
 1,1-Dichloropropene
 Concen: 48.047 ug/l
 RT: 7.92 min Scan# 1014
 Delta R.T. -0.01 min
 Lab File: VY003308.D
 Acq: 23 Jul 2020 11:20

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	277574		
110	35.3	18.1	54.1	
77	30.3	24.8	37.2	





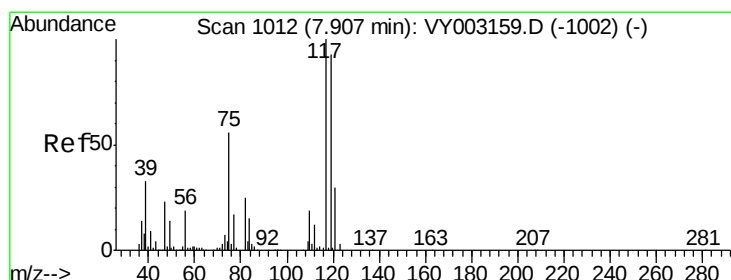
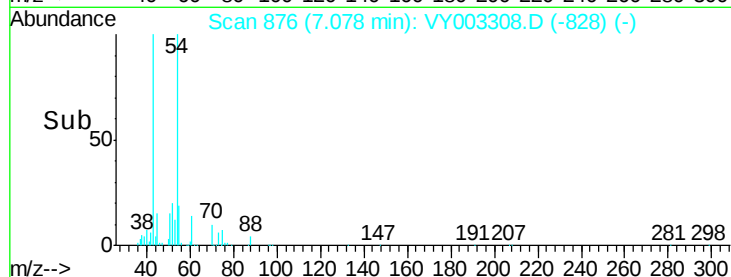
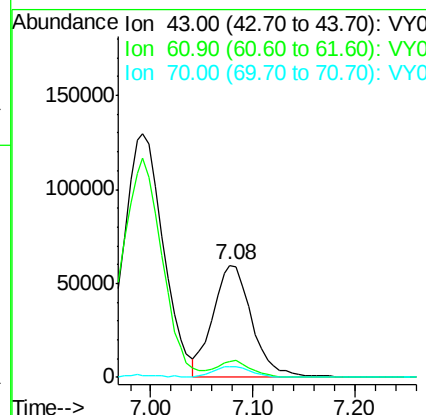
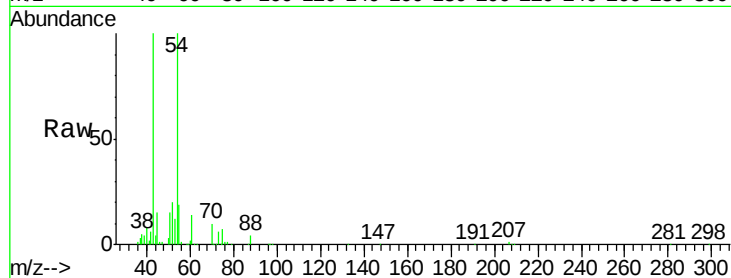
#37
Ethyl Acetate
Concen: 50.839 ug/l
RT: 7.08 min Scan# 876
Delta R.T. -0.01 min
Lab File: VY003308.D
Acq: 23 Jul 2020 11:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.2	11.8	17.6
70	9.8	8.6	13.0

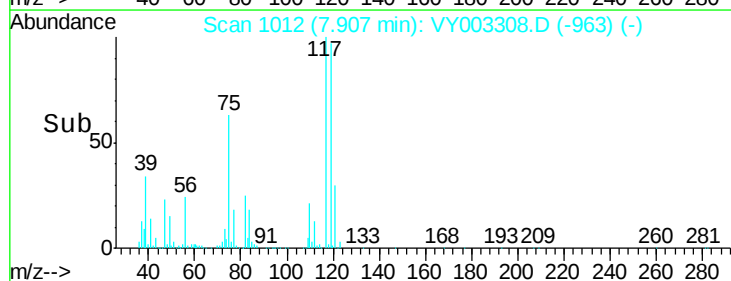
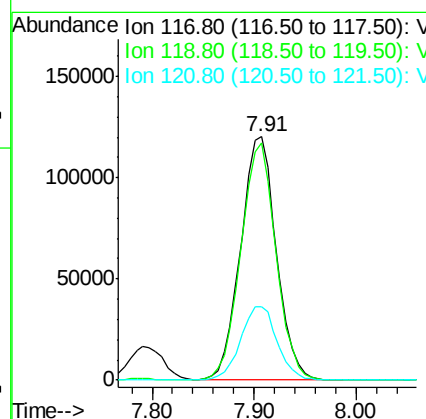
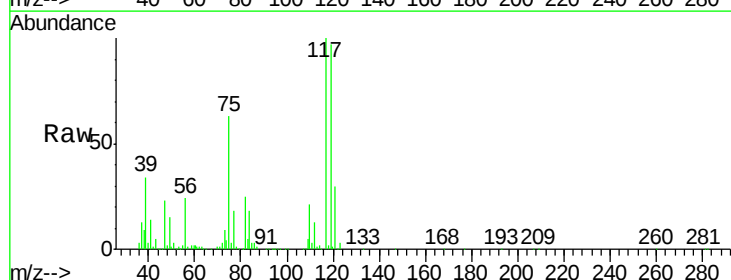
Manual Integrations
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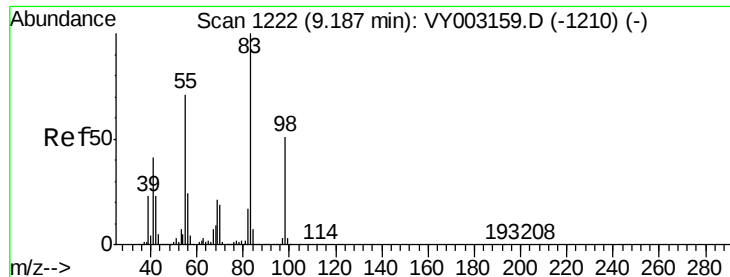
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#38
Carbon Tetrachloride
Concen: 48.932 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VY003308.D
Acq: 23 Jul 2020 11:20

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.3	74.5	111.7
121	30.1	24.2	36.2





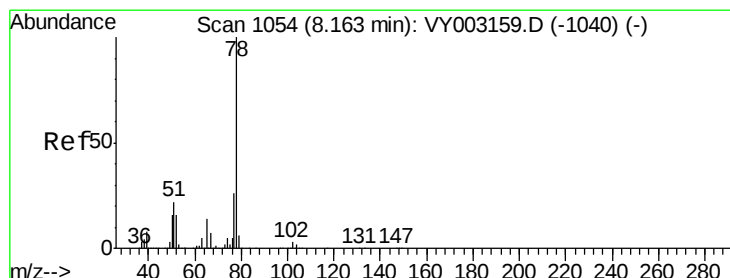
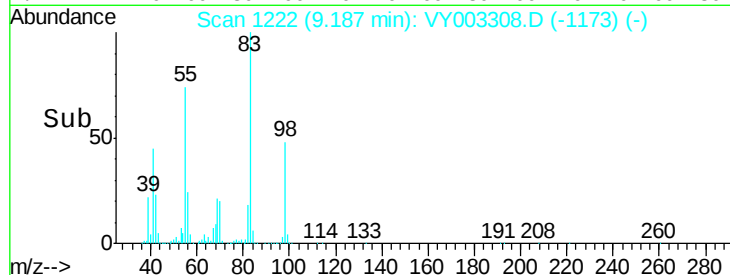
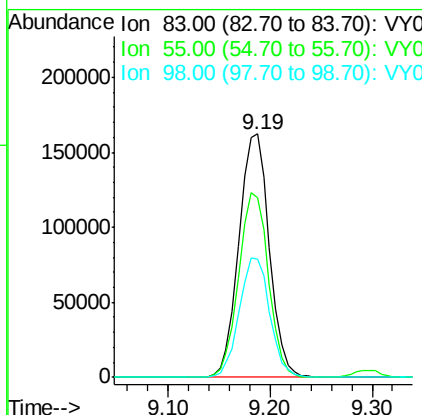
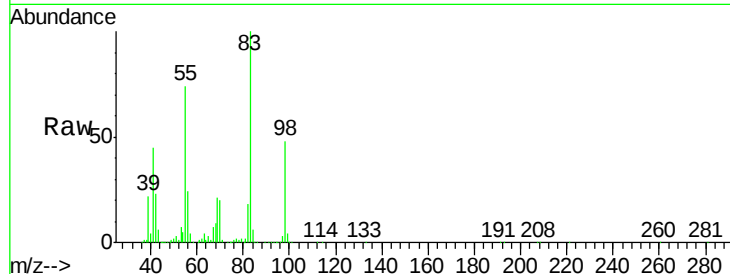
#39
Methvlcvclohexane
Concen: 46.198 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. 0.00 min
Lab File: VY003308.D
Acq: 23 Jul 2020 11:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.9	57.2	85.8
98	48.4	41.0	61.6

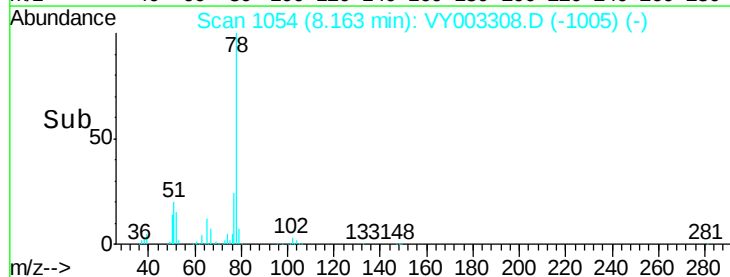
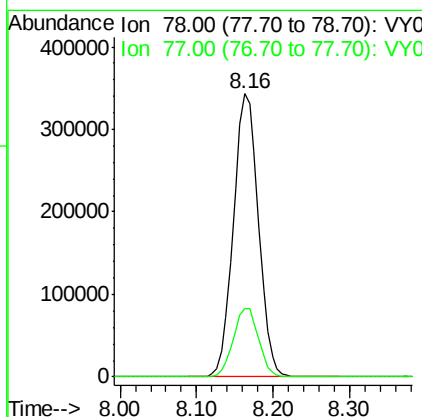
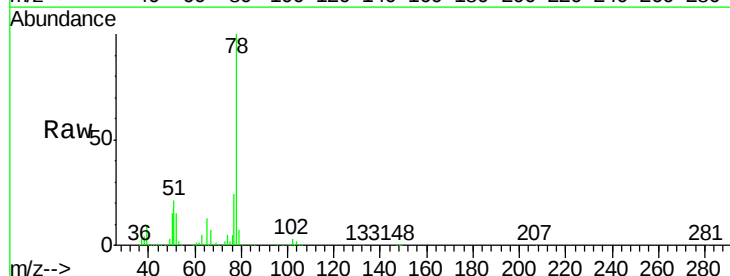
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#40
Benzene
Concen: 48.740 ug/l
RT: 8.16 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VY003308.D
Acq: 23 Jul 2020 11:20

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	20.7	31.1





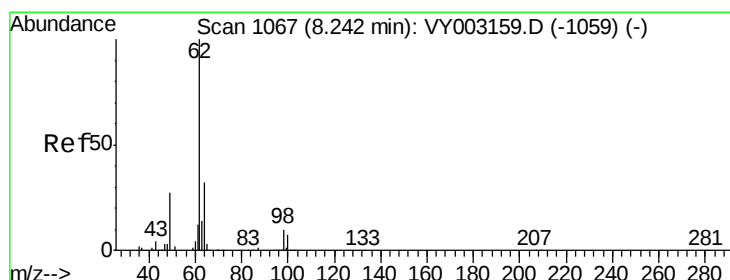
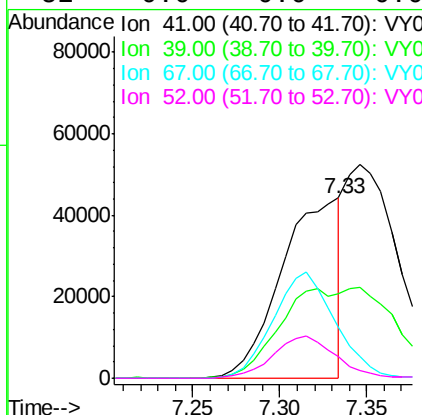
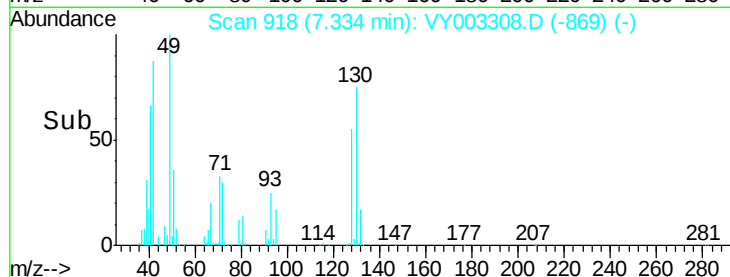
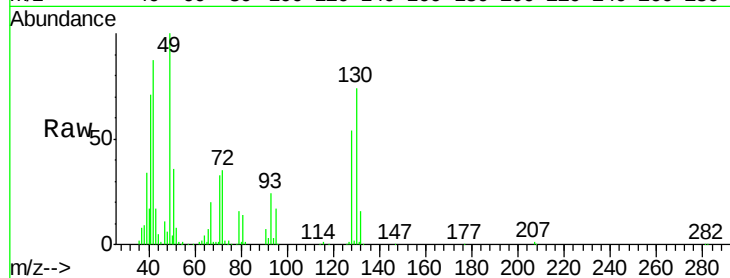
#41
Methacrylonitrile
Concen: 56.111 ug/l m
RT: 7.33 min Scan# 918
Delta R.T. 0.00 min
Lab File: VY003308.D
Acq: 23 Jul 2020 11:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	41	Resp	105139
Ion	Ratio	Lower	Upper
41	100		
39	0.0	83.3	124.9#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

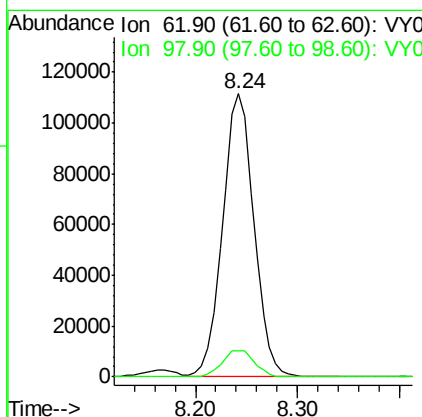
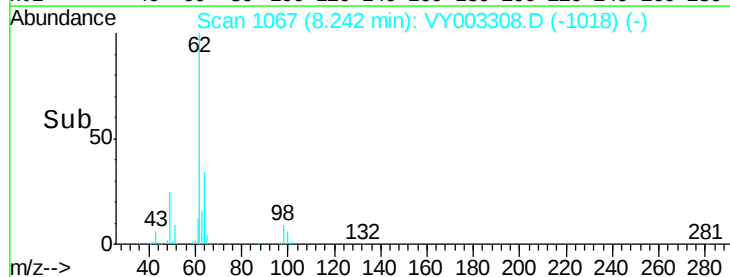
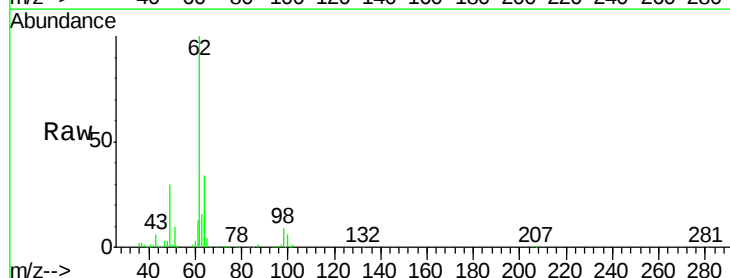
Manual Integrations
APPROVED

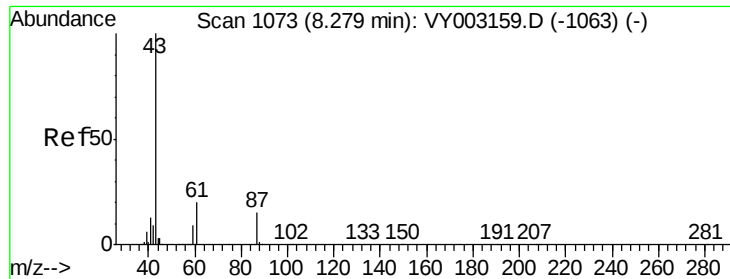
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#42
1,2-Dichloroethane
Concen: 48.378 ug/l
RT: 8.24 min Scan# 1067
Delta R.T. 0.00 min
Lab File: VY003308.D
Acq: 23 Jul 2020 11:20

Tgt Ion	62	Resp	236916
Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	19.0





#43

Isopropyl Acetate

Concen: 50.556 ug/l

RT: 8.28 min Scan# 1073

Delta R.T. 0.00 min

Lab File: VY003308.D

Acq: 23 Jul 2020 11:20

Instrument :

MSVOA_Y

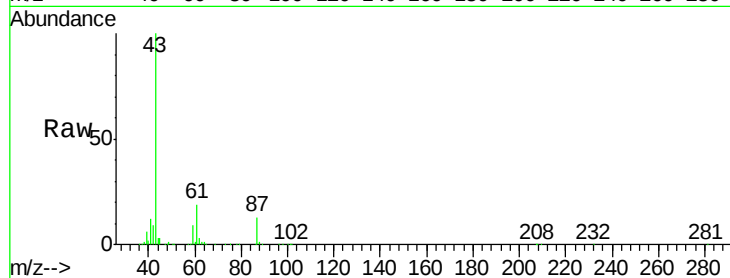
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	304449
Ion	Ratio	Lower	Upper
43	100		
61	29.3	23.7	35.5
87	13.1	11.4	17.0

Manual Integrations
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Abundance Ion 43.00 (42.70 to 43.70): VY003308.D (-1063) (-)

Ion 61.00 (60.70 to 61.70): VY003308.D (-1063) (-)

Ion 87.00 (86.70 to 87.70): VY003308.D (-1063) (-)

8.28

150000

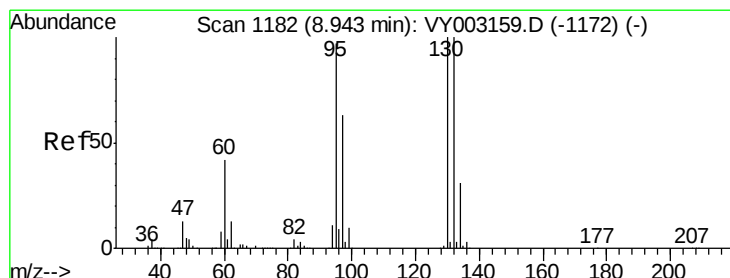
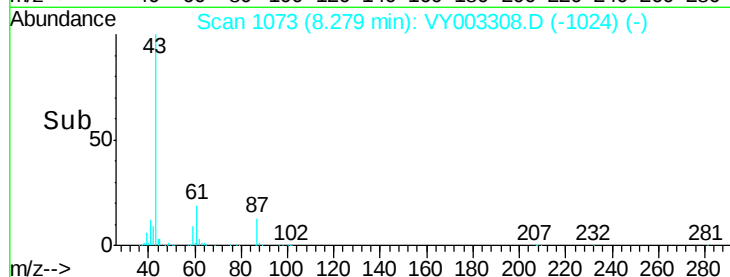
100000

50000

0

8.20 8.30 8.40

Time-->



#44

Trichloroethene

Concen: 46.053 ug/l

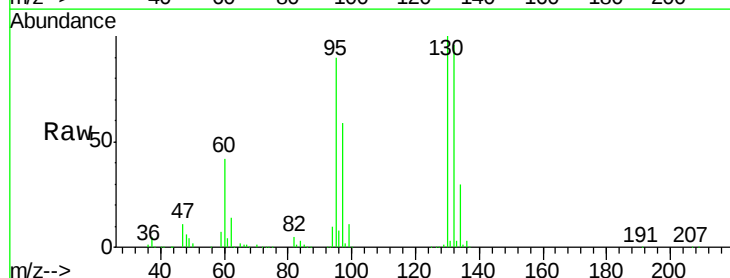
RT: 8.94 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VY003308.D

Acq: 23 Jul 2020 11:20

Tgt Ion:	130	Resp:	224576
Ion	Ratio	Lower	Upper
130	100		
95	89.8	0.0	193.8



Abundance Ion 129.80 (129.50 to 130.50): VY003308.D (-1172) (-)

Ion 94.90 (94.60 to 95.60): VY003308.D (-1172) (-)

8.94

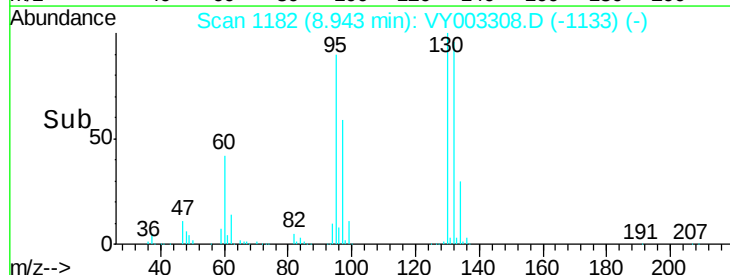
100000

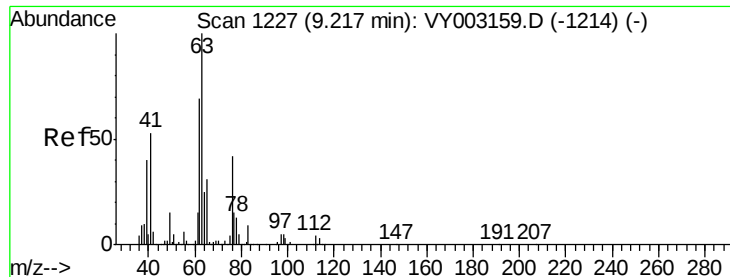
50000

0

8.90 9.00

Time-->





#45

1,2-Dichloropropane

Concen: 50.137 ug/l

RT: 9.22 min Scan# 1227

Delta R.T. 0.00 min

Lab File: VY003308.D

Acq: 23 Jul 2020 11:20

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 206368

Ion Ratio Lower Upper

63 100

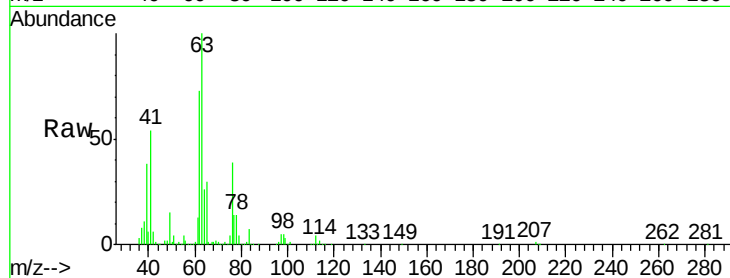
65 30.5 25.0 37.4

Manual Integrations

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Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 64.90 (64.60 to 65.60): VY0

9.22

120000

100000

80000

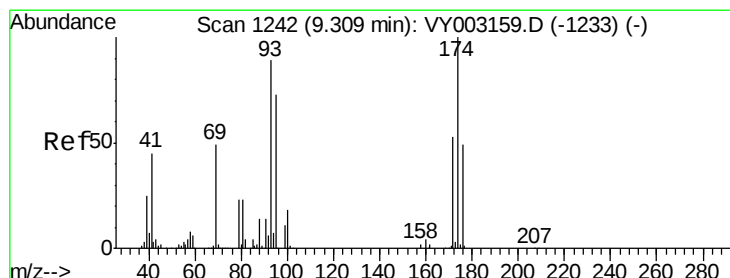
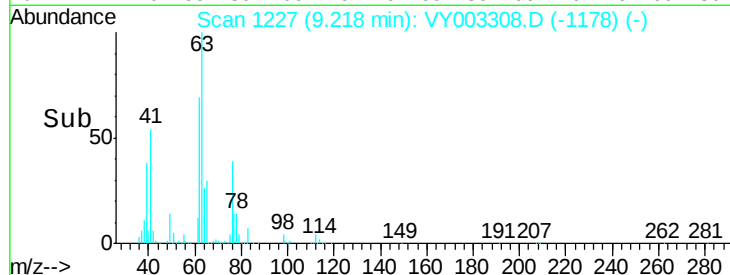
60000

40000

20000

0

Time-->



#46

Dibromomethane

Concen: 47.544 ug/l

RT: 9.31 min Scan# 1242

Delta R.T. 0.00 min

Lab File: VY003308.D

Acq: 23 Jul 2020 11:20

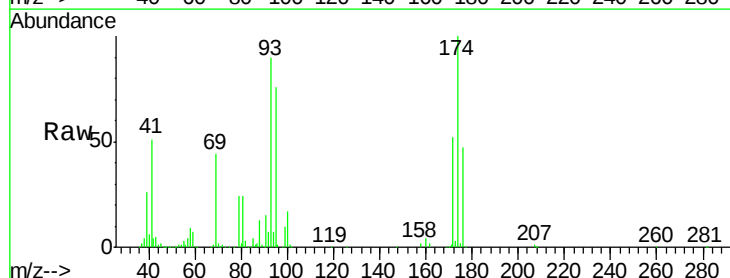
Tgt Ion: 93 Resp: 114297

Ion Ratio Lower Upper

93 100

95 83.7 66.6 99.8

174 111.8 90.2 135.4



Abundance Ion 92.80 (92.50 to 93.50): VY0

Ion 94.80 (94.50 to 95.50): VY0

Ion 173.70 (173.40 to 174.40): V

80000

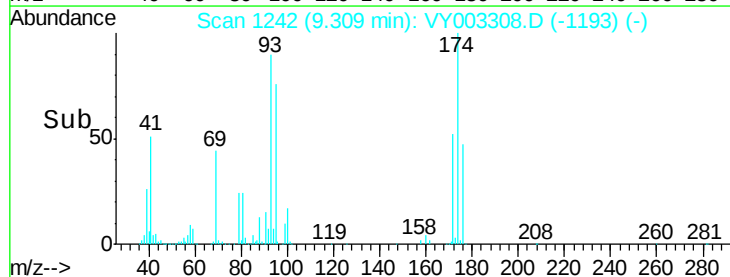
60000

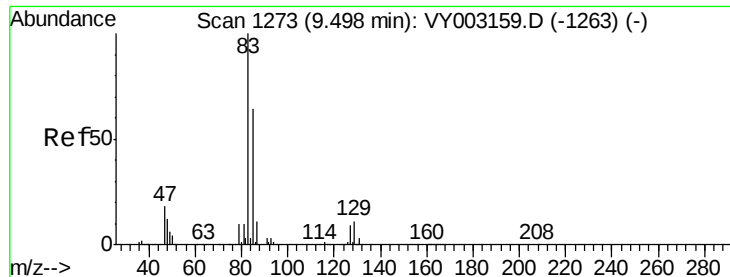
40000

20000

0

Time-->





#47

Bromodichloromethane

Concen: 49.893 ug/l

RT: 9.50 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VY003308.D

Acq: 23 Jul 2020 11:20

Instrument :

MSVOA_Y

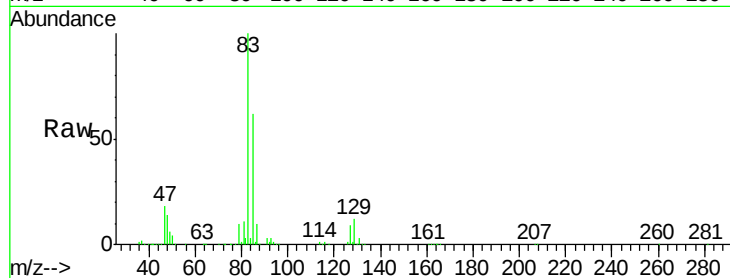
ClientSampleId :

VSTDCCC050

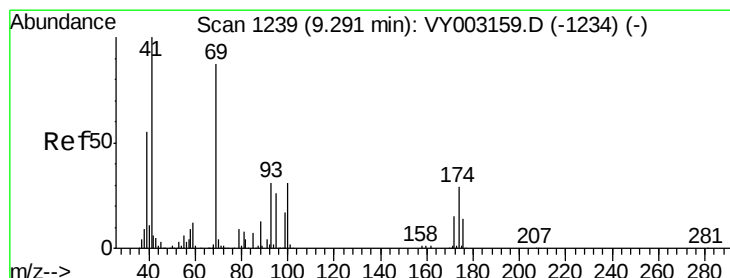
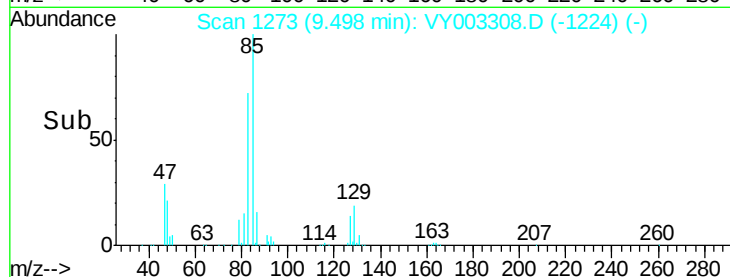
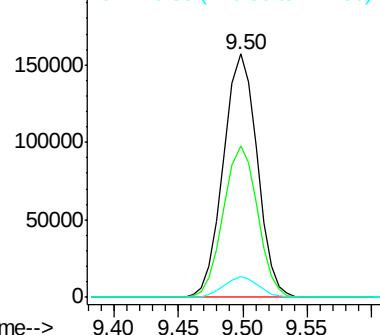
Tot Ion:	83	Resp:	285271
Ion Ratio	Lower	Upper	
83	100		
85	62.3	50.9	76.3
127	8.7	7.0	10.4

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VY0
Ion 84.90 (84.60 to 85.60): VY0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 50.719 ug/l

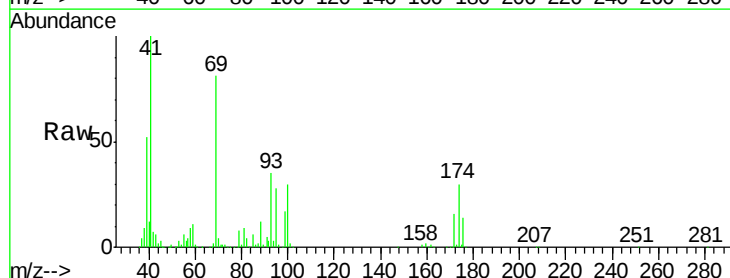
RT: 9.29 min Scan# 1239

Delta R.T. 0.00 min

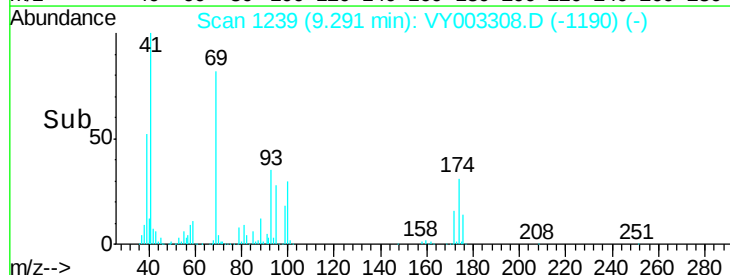
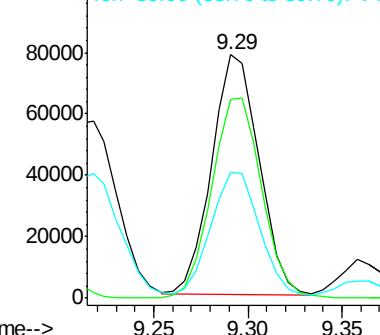
Lab File: VY003308.D

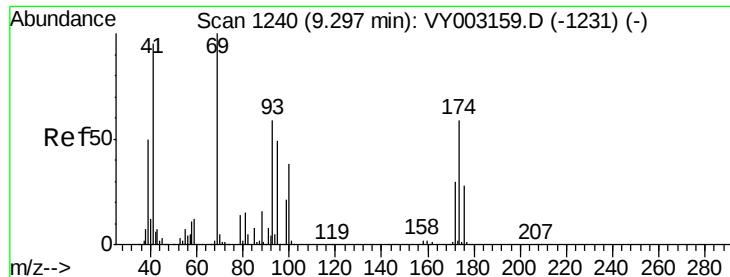
Acq: 23 Jul 2020 11:20

Tgt Ion:	41	Resp:	136546
Ion Ratio	Lower	Upper	
41	100		
69	88.1	74.5	111.7
39	52.3	47.5	71.3



Abundance Ion 41.00 (40.70 to 41.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 39.00 (38.70 to 39.70): VY0





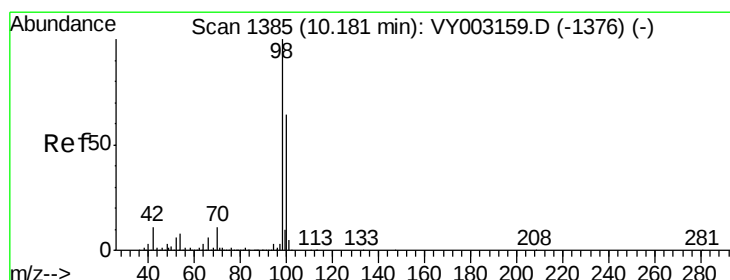
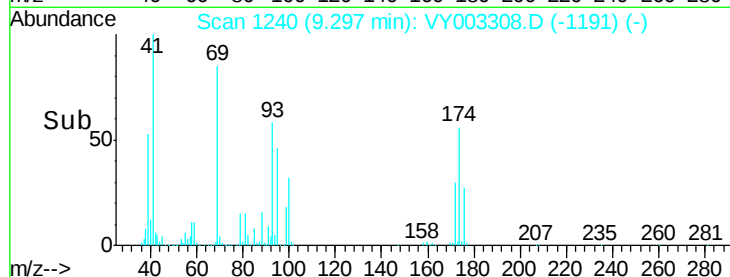
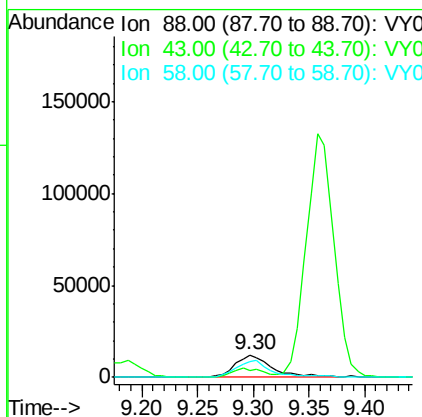
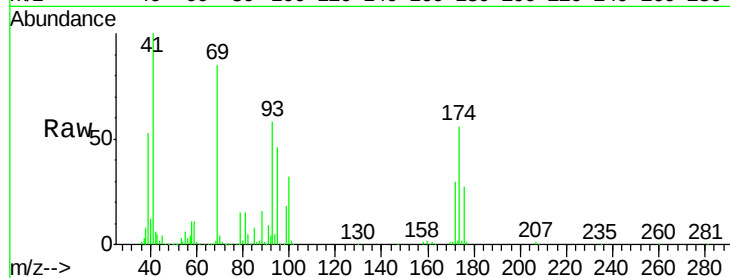
#49
1,4-Dioxane
Concen: 922.509 ug/l
RT: 9.30 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VY003308.D
Acq: 23 Jul 2020 11:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	28147
Ion	Ratio	Lower	Upper
88	100		
43	33.7	25.6	38.4
58	76.1	47.8	71.6#

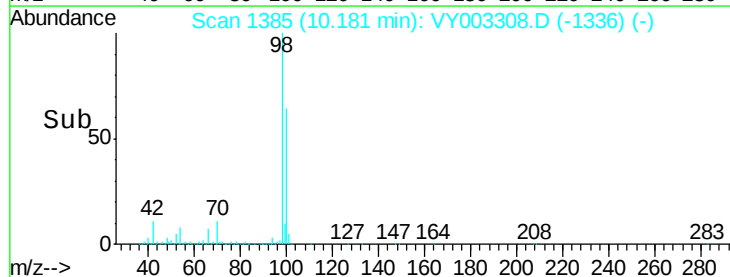
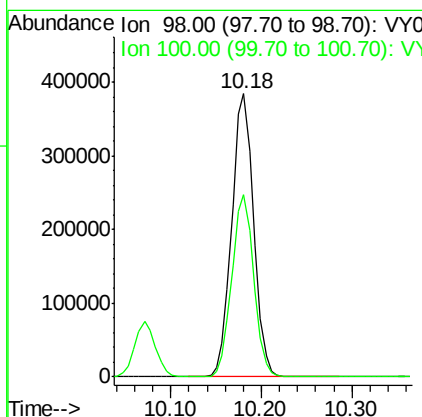
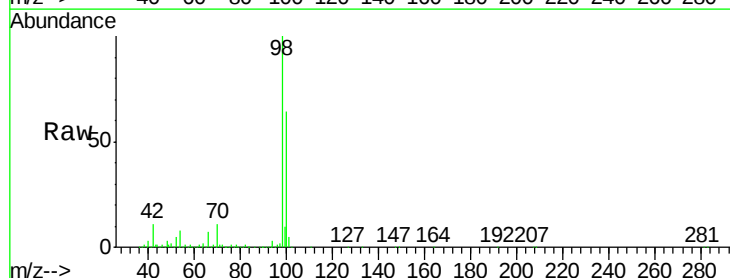
Manual Integrations
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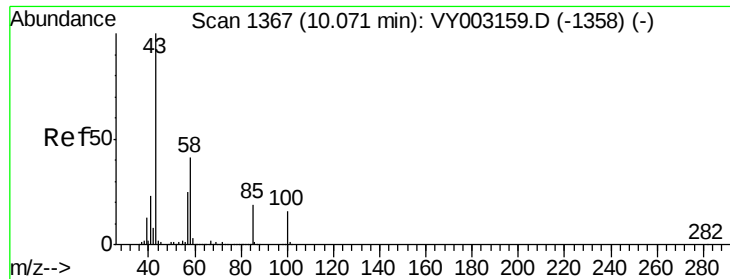
MMDadoda
7/24/2020 12:58:20 PM



#50
Toluene-d8
Concen: 47.223 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VY003308.D
Acq: 23 Jul 2020 11:20

Tgt Ion	98	Resp	644022
Ion	Ratio	Lower	Upper
98	100		
100	64.2	50.7	76.1





#51

4-Methyl-2-Pentanone

Concen: 252.883 ug/l

RT: 10.07 min Scan# 1367

Delta R.T. 0.00 min

Lab File: VY003308.D

Acq: 23 Jul 2020 11:20

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 791547

Ion Ratio Lower Upper

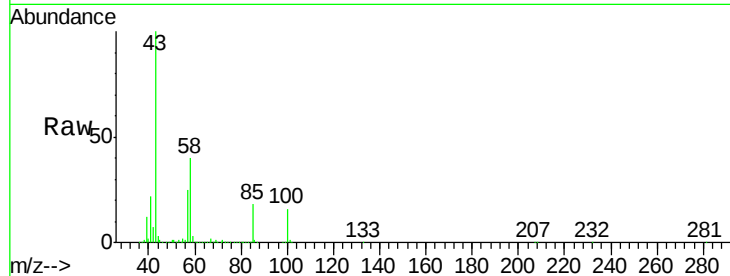
43 100

58 39.6 32.7 49.1

Manual Integrations
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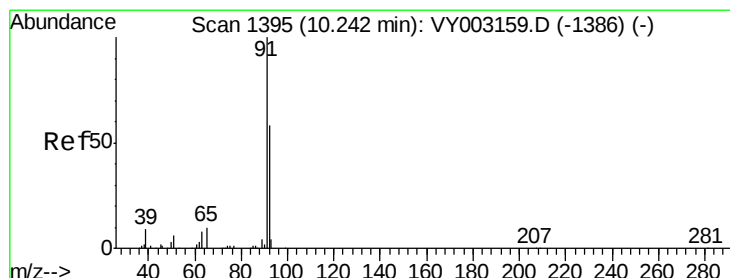
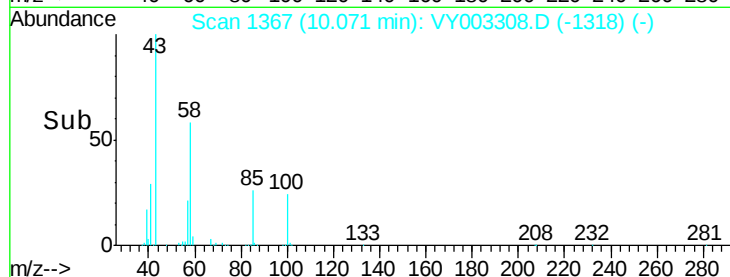
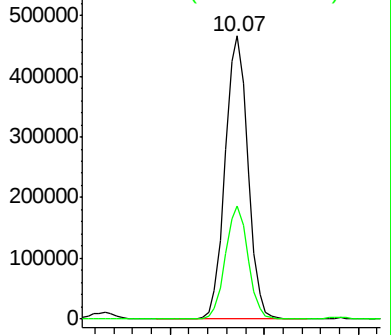
MMDadoda

7/24/2020 12:58:20 PM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#52

Toluene

Concen: 48.337 ug/l

RT: 10.24 min Scan# 1395

Delta R.T. 0.00 min

Lab File: VY003308.D

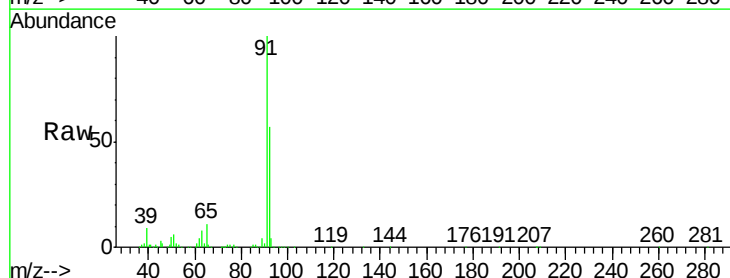
Acq: 23 Jul 2020 11:20

Tgt Ion: 92 Resp: 491464

Ion Ratio Lower Upper

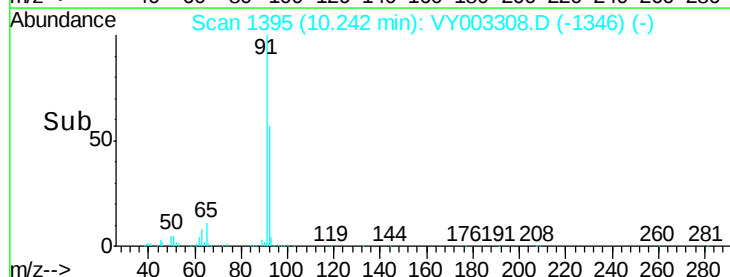
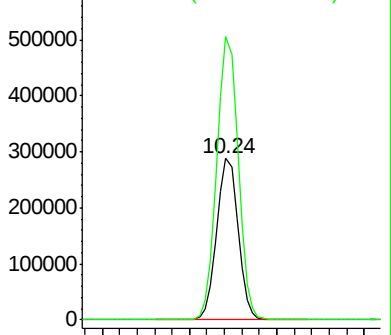
92 100

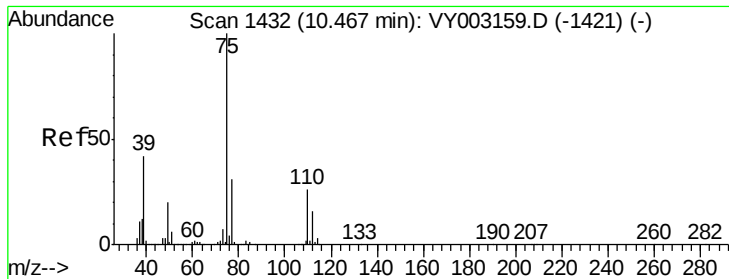
91 175.3 139.7 209.5



Abundance Ion 92.00 (91.70 to 92.70): VY0

Ion 91.00 (90.70 to 91.70): VY0





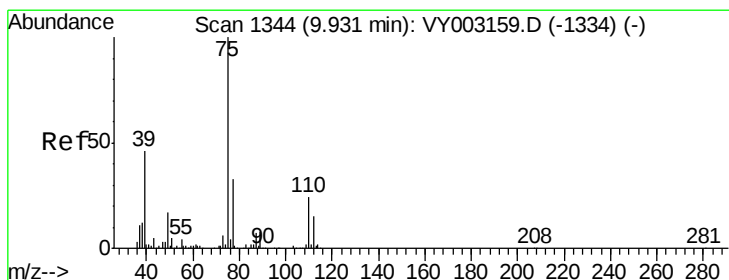
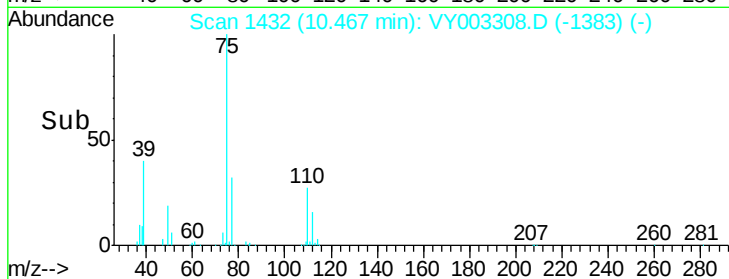
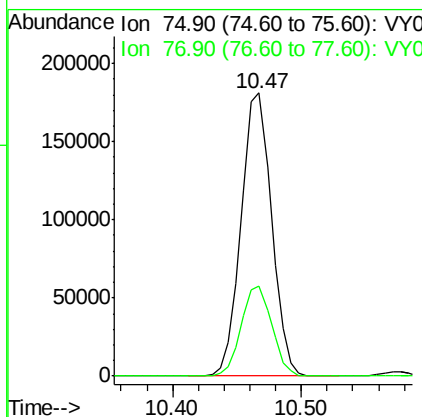
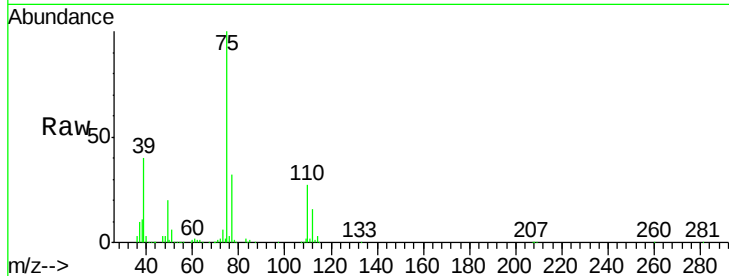
#53
t-1,3-Dichloropropene
Concen: 50.085 ug/l
RT: 10.47 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VY003308.D
Acq: 23 Jul 2020 11:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.2	37.8

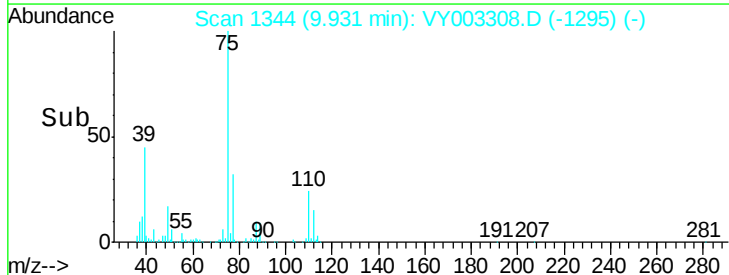
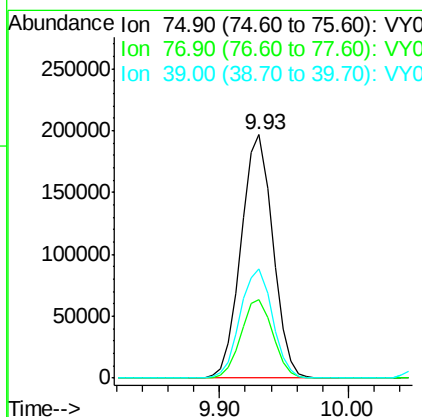
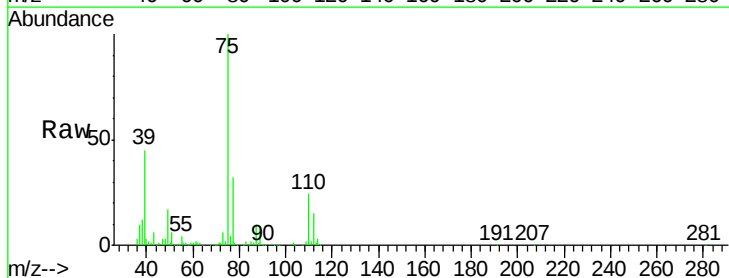
Manual Integrations
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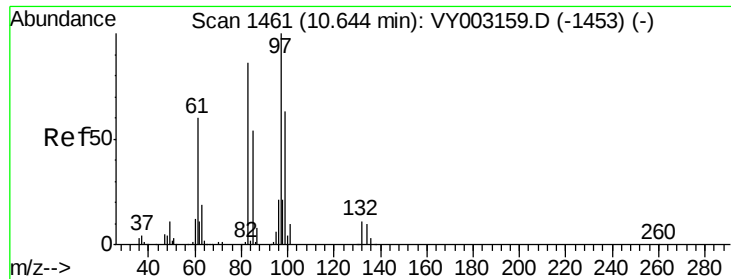
MMDadoda
7/24/2020 12:58:20 PM



#54
cis-1,3-Dichloropropene
Concen: 49.195 ug/l
RT: 9.93 min Scan# 1344
Delta R.T. 0.00 min
Lab File: VY003308.D
Acq: 23 Jul 2020 11:20

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.1	26.7	40.1
39	45.0	37.0	55.6





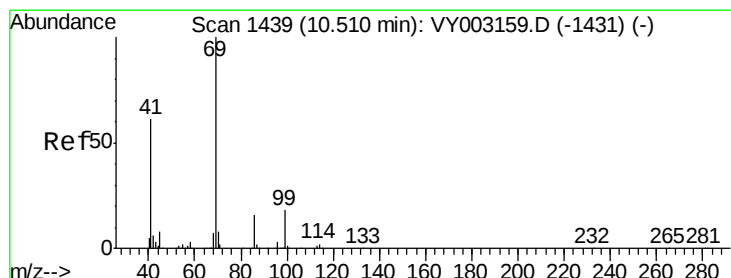
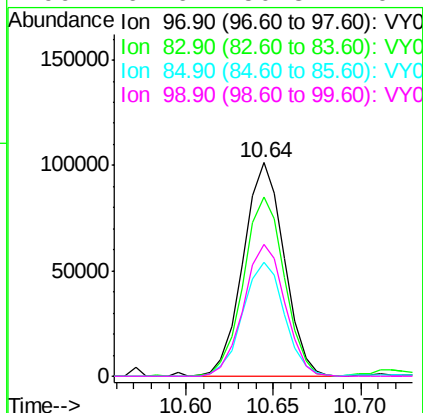
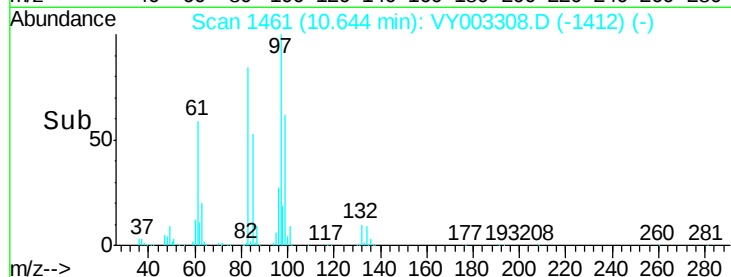
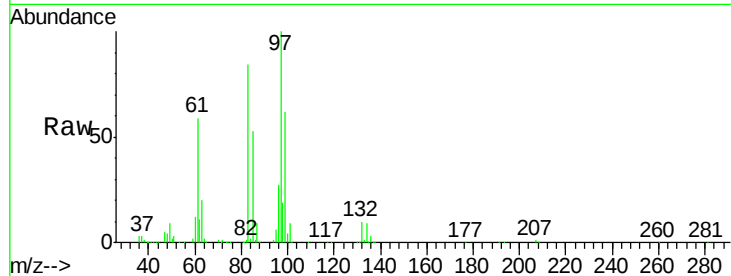
#55
 1,1,2-Trichloroethane
 Concen: 48.891 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. 0.00 min
 Lab File: VY003308.D
 Acq: 23 Jul 2020 11:20

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	166553
Ion	Ratio	Lower	Upper
97	100		
83	83.9	68.8	103.2
85	53.5	43.1	64.7
99	61.6	50.8	76.2

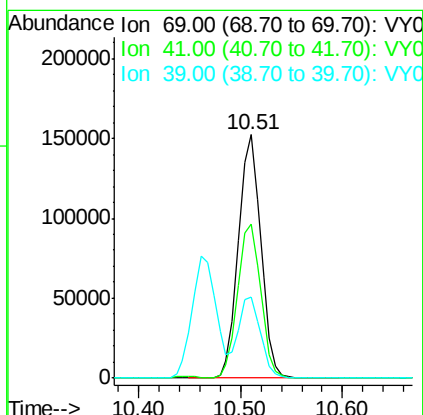
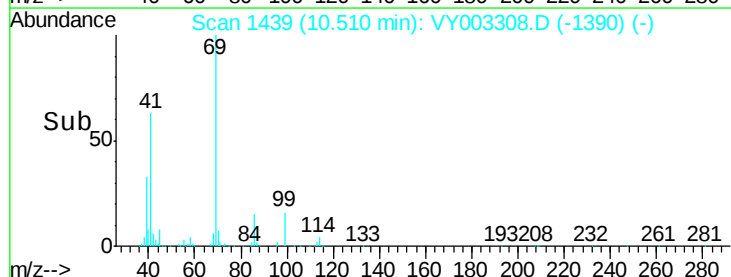
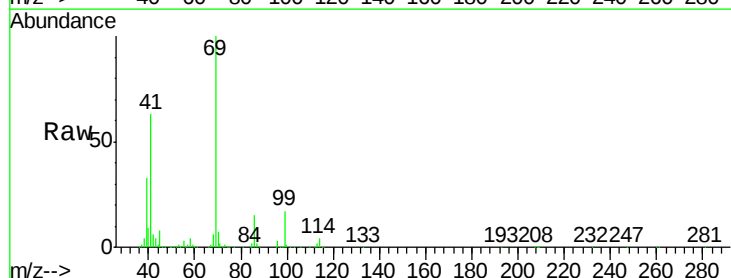
Manual Integrations
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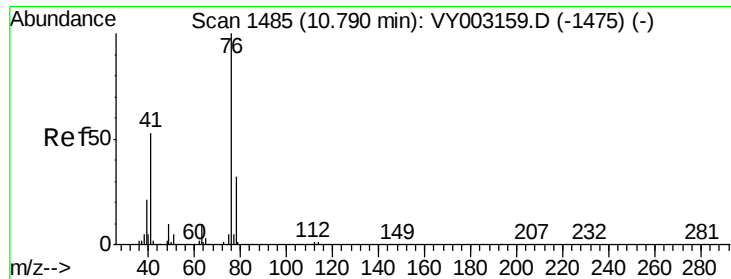
MMDadoda
 7/24/2020 12:58:20 PM



#56
 Ethyl methacrylate
 Concen: 50.030 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. 0.00 min
 Lab File: VY003308.D
 Acq: 23 Jul 2020 11:20

Tgt Ion:	69	Resp:	231711
Ion	Ratio	Lower	Upper
69	100		
41	64.9	50.0	75.0
39	33.4	27.6	41.4





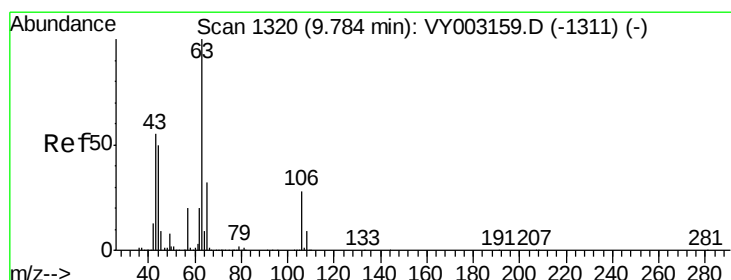
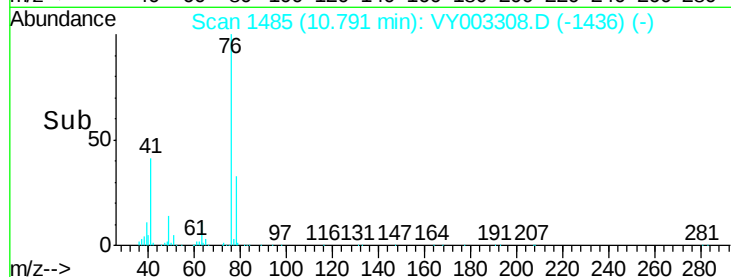
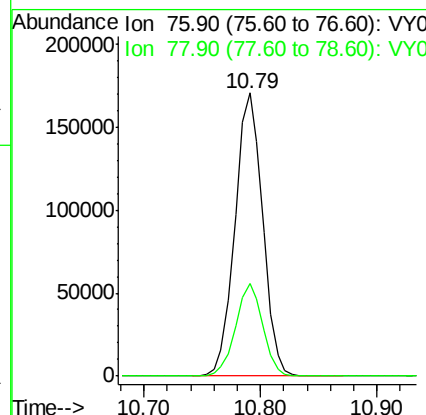
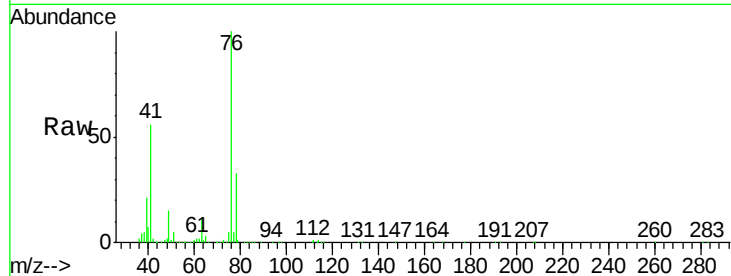
#57
 1,3-Dichloropropane
 Concen: 48.684 ug/l
 RT: 10.79 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VY003308.D
 Acq: 23 Jul 2020 11:20

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.2	26.0	39.0

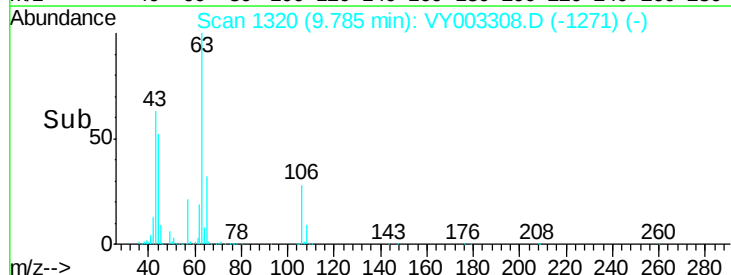
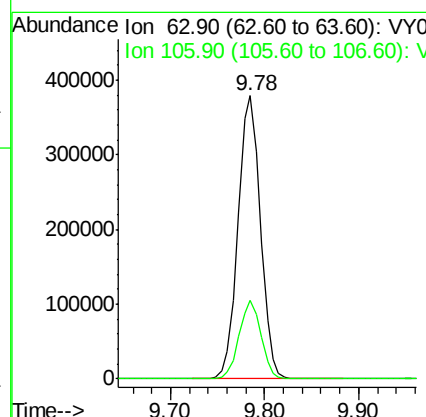
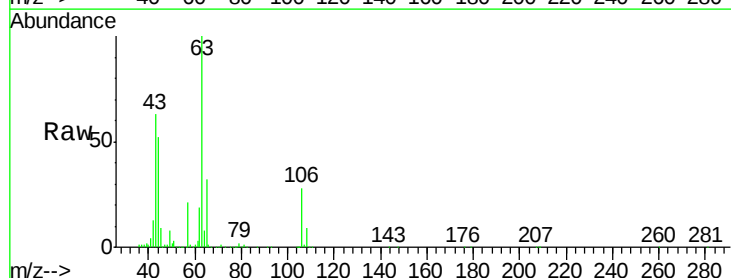
Manual Integrations
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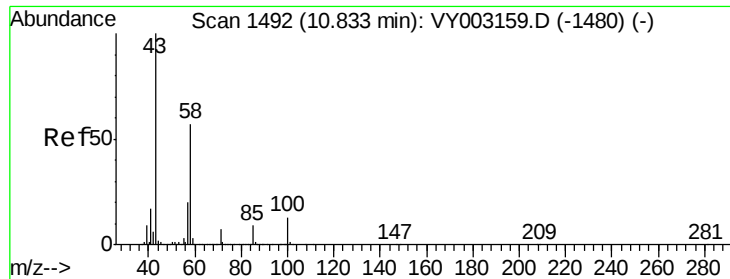
MMDadoda
 7/24/2020 12:58:20 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 264.200 ug/l
 RT: 9.78 min Scan# 1320
 Delta R.T. 0.00 min
 Lab File: VY003308.D
 Acq: 23 Jul 2020 11:20

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.1	22.9	34.3





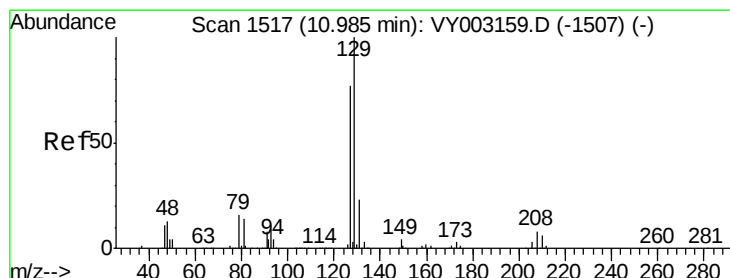
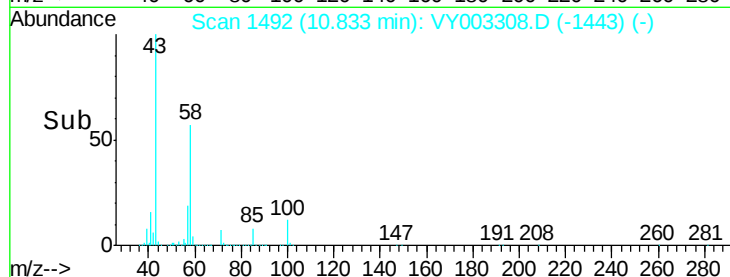
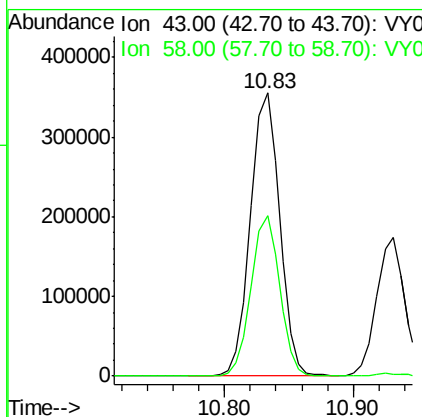
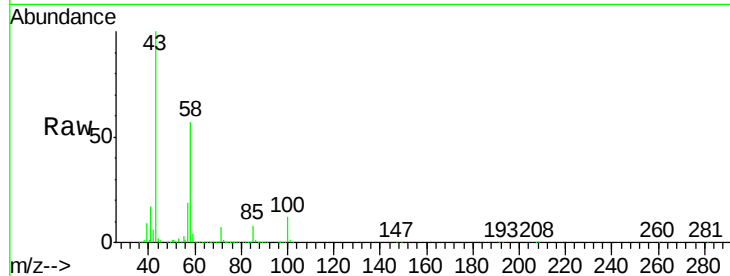
#59
2-Hexanone
Concen: 254.317 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VY003308.D
Acq: 23 Jul 2020 11:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 555692
Ion Ratio Lower Upper
43 100
58 55.7 28.3 85.0

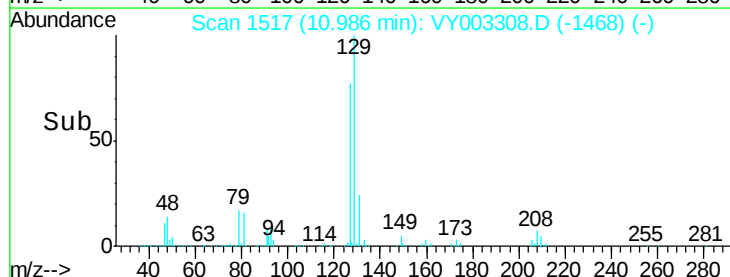
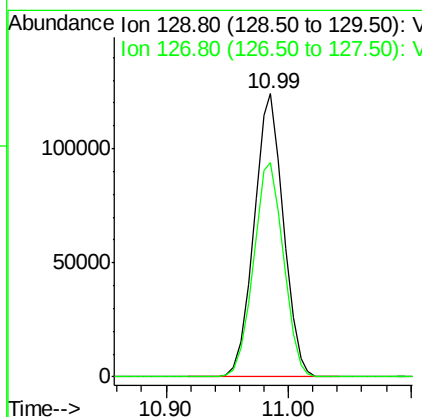
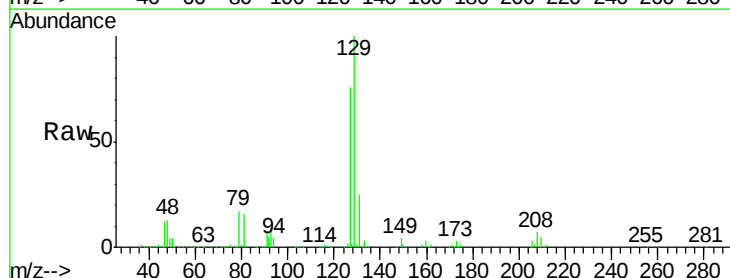
Manual Integrations
APPROVED

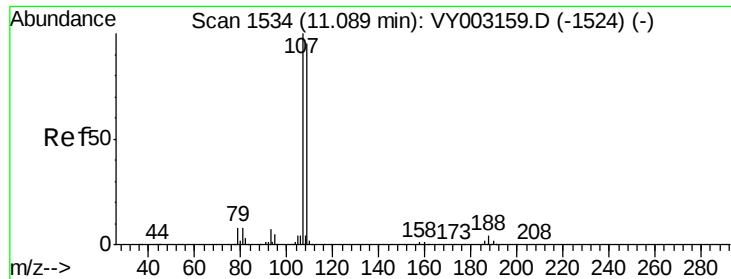
MMDadoda
7/24/2020 12:58:20 PM



#60
Dibromochloromethane
Concen: 48.470 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VY003308.D
Acq: 23 Jul 2020 11:20

Tgt Ion: 129 Resp: 207679
Ion Ratio Lower Upper
129 100
127 77.2 38.5 115.5





#61

1,2-Dibromoethane

Concen: 46.701 ug/l

RT: 11.09 min Scan# 1534

Delta R.T. 0.00 min

Lab File: VY003308.D

Acq: 23 Jul 2020 11:20

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 157020

Ion Ratio Lower Upper

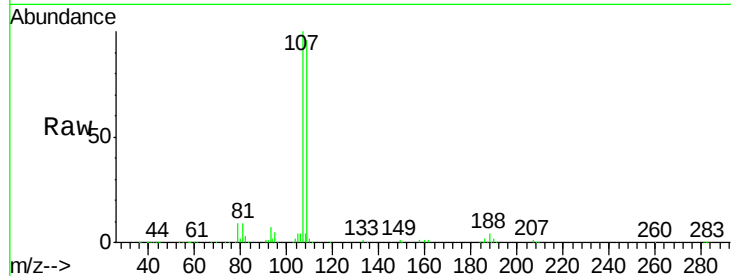
107 100

109 94.3 75.6 113.4

Manual Integrations
APPROVED

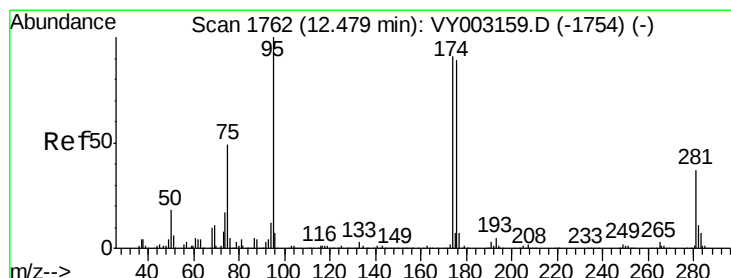
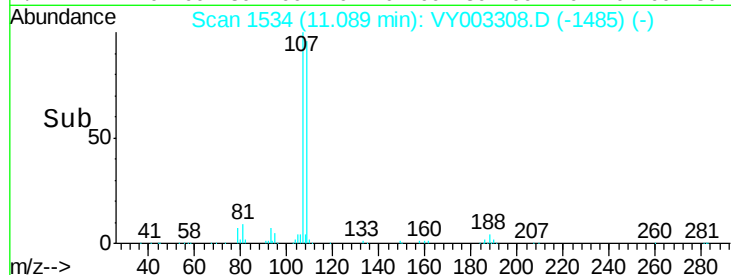
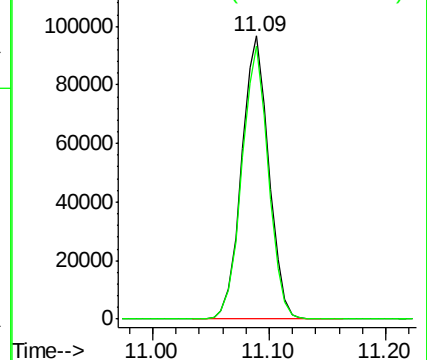
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.006 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY003308.D

Acq: 23 Jul 2020 11:20

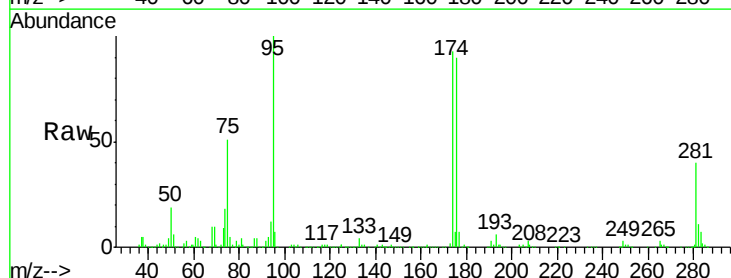
Tgt Ion: 95 Resp: 236515

Ion Ratio Lower Upper

95 100

174 94.5 0.0 190.6

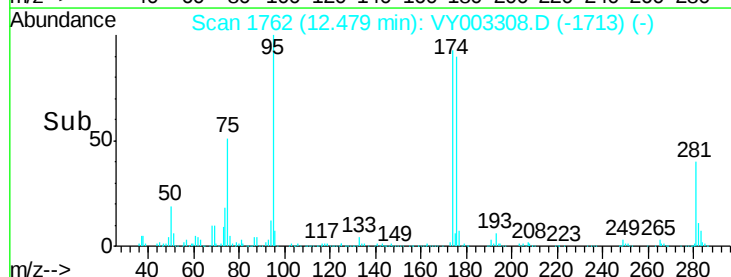
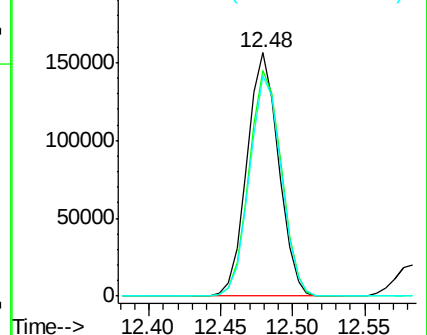
176 91.1 0.0 186.4

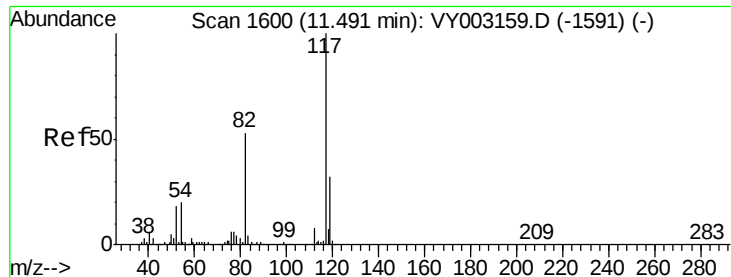


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





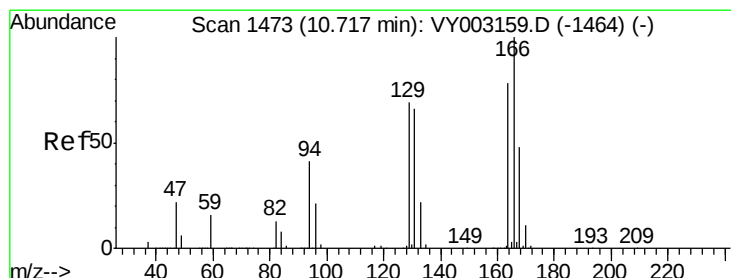
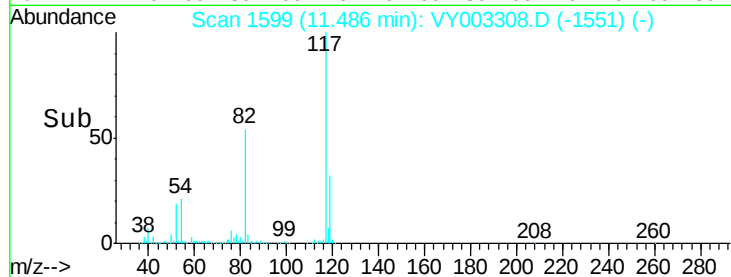
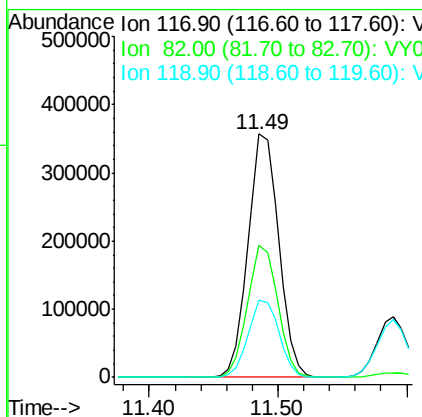
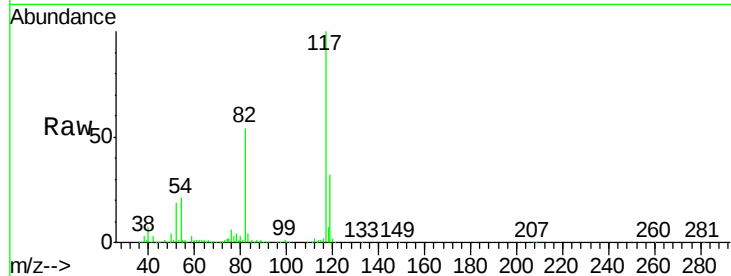
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VY003308.D
Acq: 23 Jul 2020 11:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	586711		
82	54.1	42.0	63.0	
119	31.5	25.5	38.3	

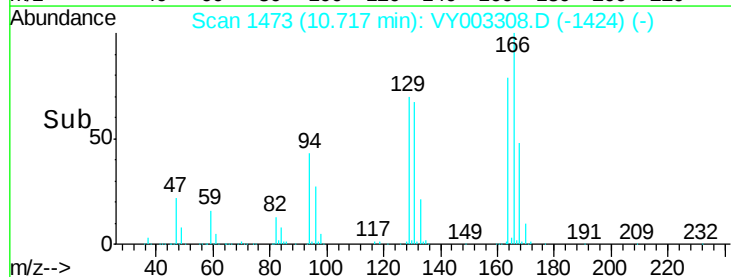
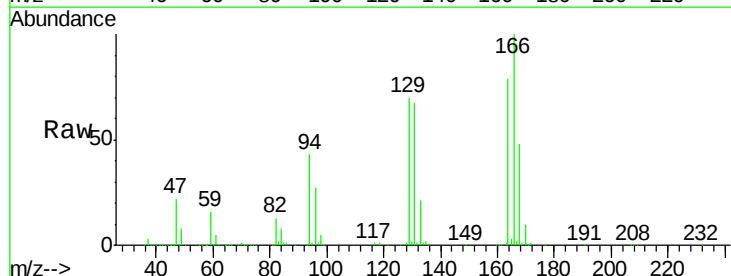
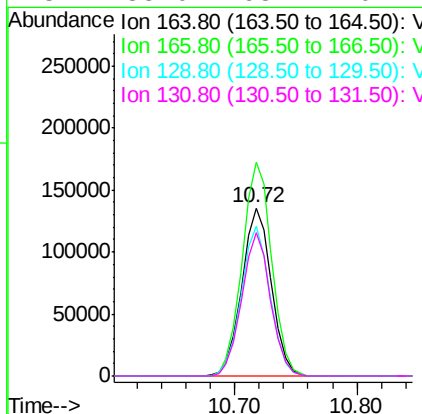
Manual Integrations
APPROVED

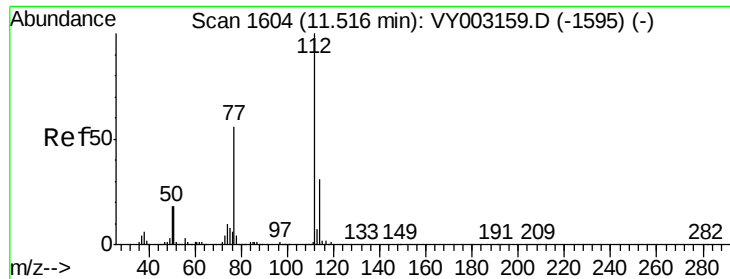
MMDadoda
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#64
Tetrachloroethene
Concen: 43.266 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VY003308.D
Acq: 23 Jul 2020 11:20

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	226339		
166	126.9	102.9	154.3	
129	89.1	71.4	107.2	
131	85.0	68.1	102.1	





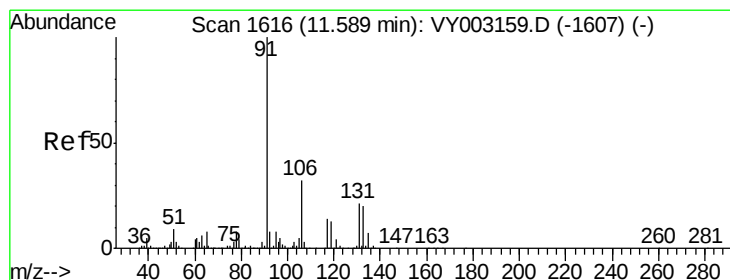
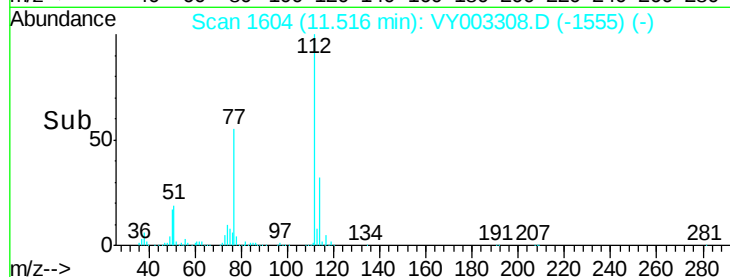
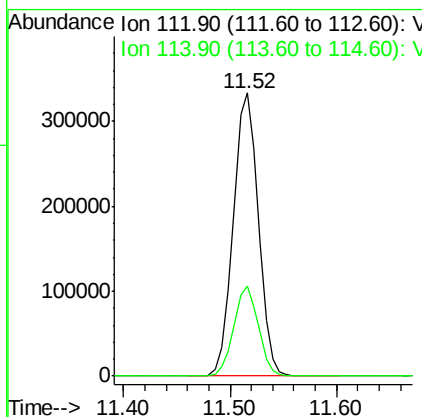
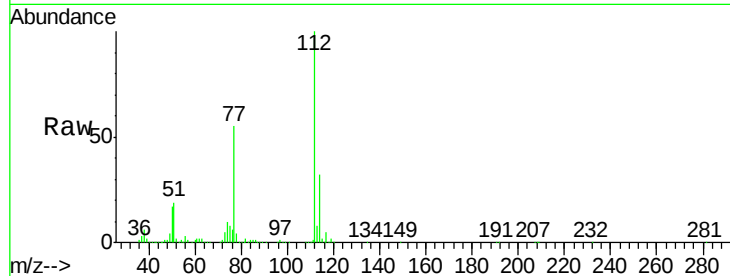
#65
Chlorobenzene
Concen: 48.854 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VY003308.D
Acq: 23 Jul 2020 11:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 552181
Ion Ratio Lower Upper
112 100
114 32.0 24.7 37.1

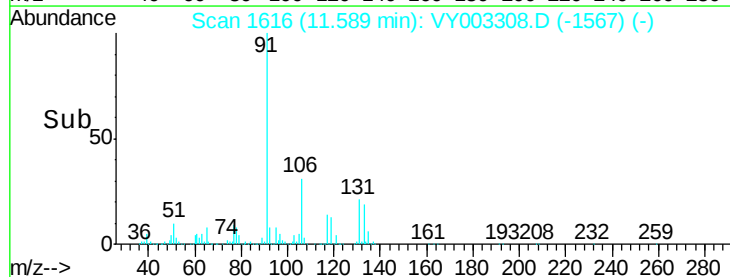
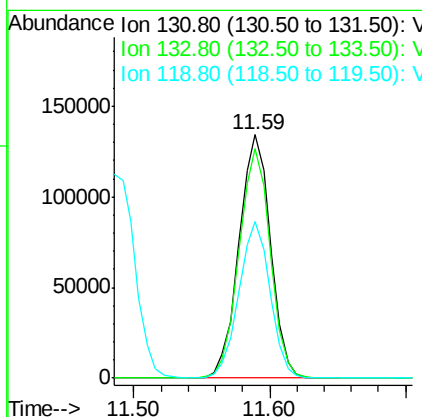
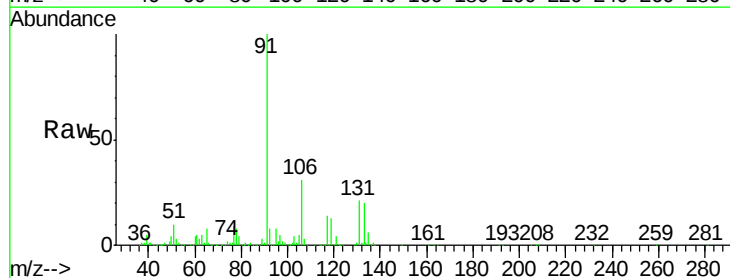
Manual Integrations
APPROVED

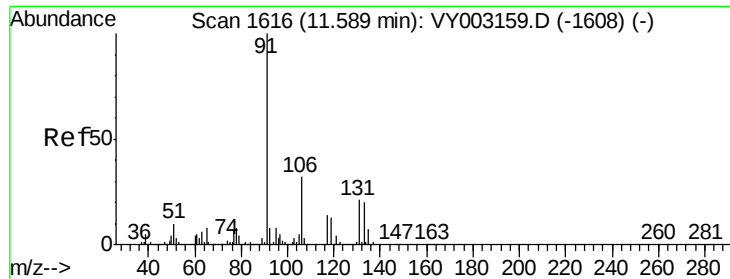
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#66
1,1,1,2-Tetrachloroethane
Concen: 49.450 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VY003308.D
Acq: 23 Jul 2020 11:20

Tgt Ion:131 Resp: 217079
Ion Ratio Lower Upper
131 100
133 93.8 48.0 144.0
119 63.6 32.4 97.0





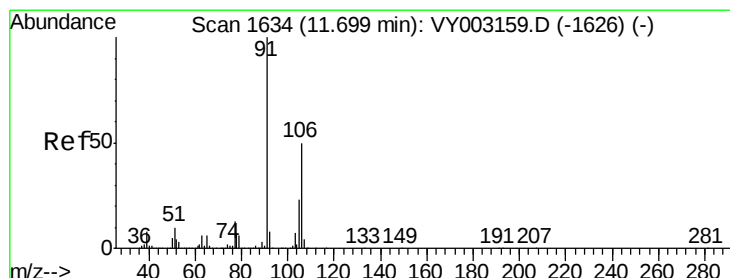
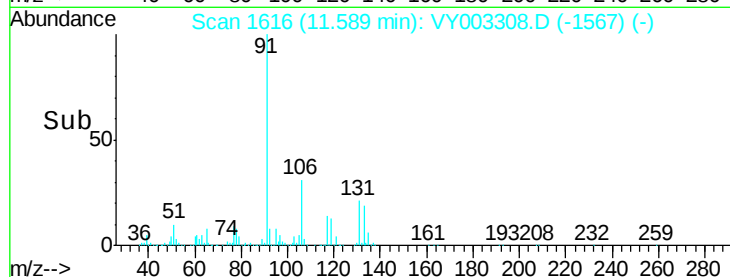
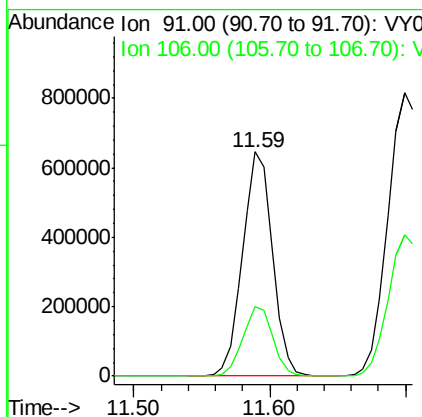
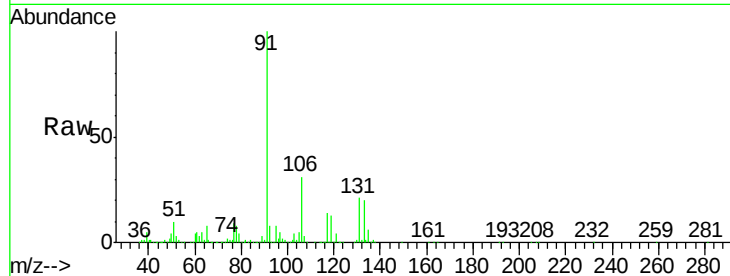
#67
Ethyl Benzene
Concen: 49.211 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VY003308.D
Acq: 23 Jul 2020 11:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 993117
Ion Ratio Lower Upper
91 100
106 31.0 25.5 38.3

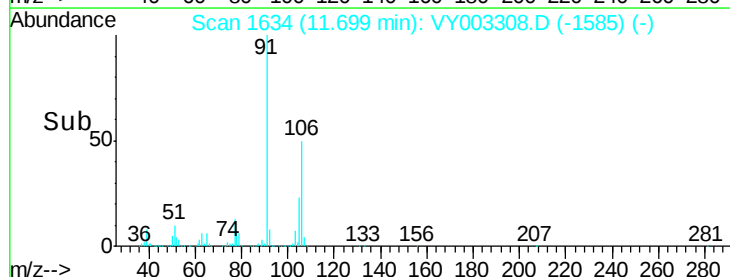
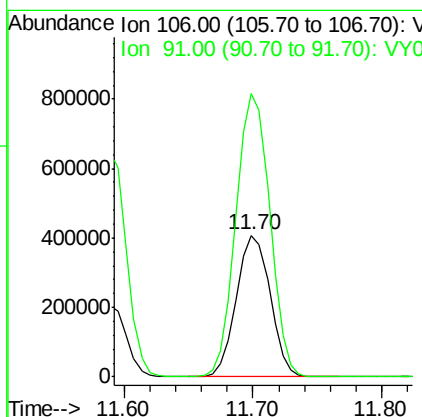
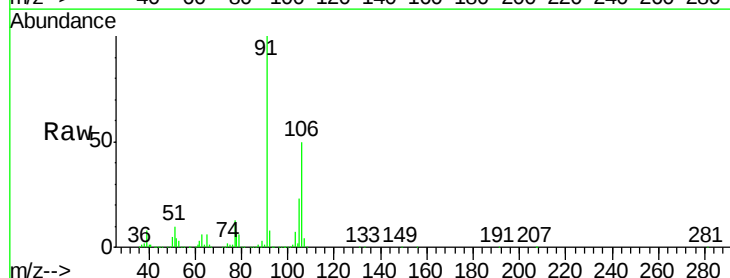
Manual Integrations
APPROVED

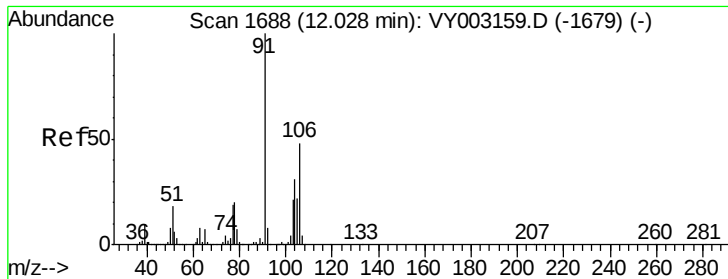
MMDadoda
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#68
m/p-Xylenes
Concen: 96.938 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VY003308.D
Acq: 23 Jul 2020 11:20

Tgt Ion: 106 Resp: 742273
Ion Ratio Lower Upper
106 100
91 201.0 159.0 238.6





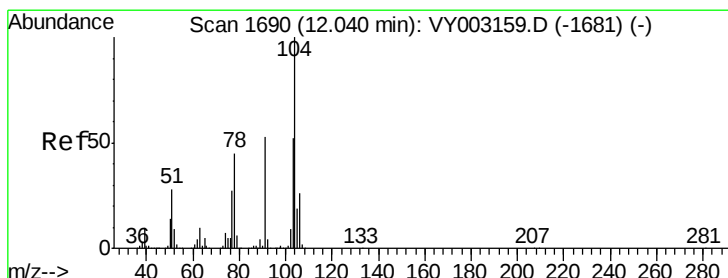
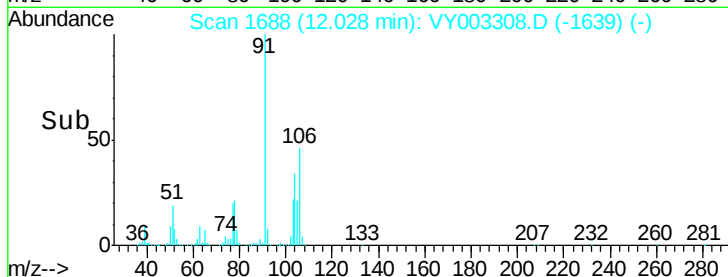
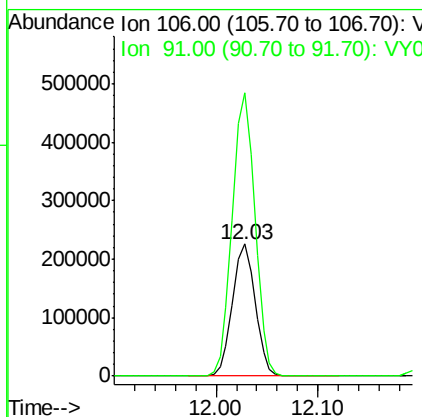
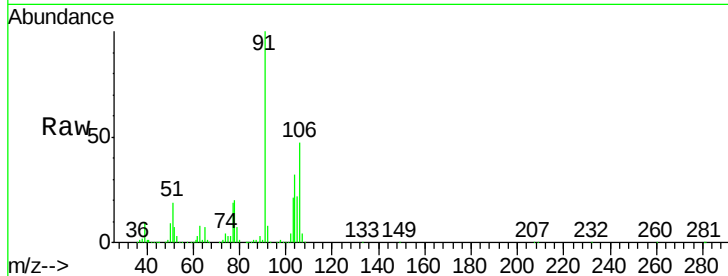
#69
o-Xylene
Concen: 48.685 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VY003308.D
Acq: 23 Jul 2020 11:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 348267
Ion Ratio Lower Upper
106 100
91 213.6 105.1 315.1

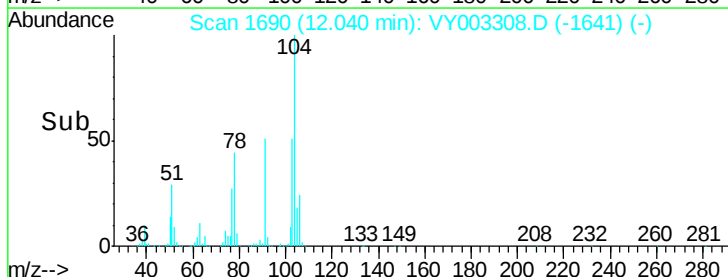
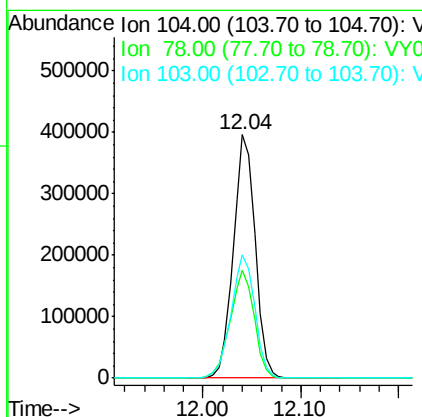
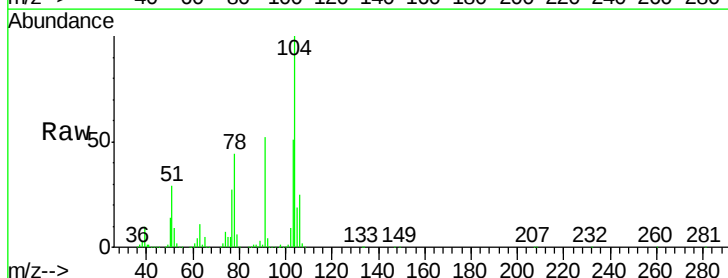
Manual Integrations
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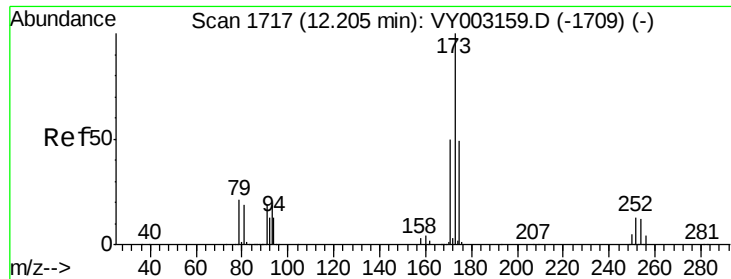
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#70
Styrene
Concen: 50.140 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VY003308.D
Acq: 23 Jul 2020 11:20

Tgt Ion:104 Resp: 613579
Ion Ratio Lower Upper
104 100
78 48.3 38.5 57.7
103 55.1 43.9 65.9





#71

Bromoform

Concen: 48.628 ug/l

RT: 12.20 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VY003308.D

Acq: 23 Jul 2020 11:20

Instrument :

MSVOA_Y

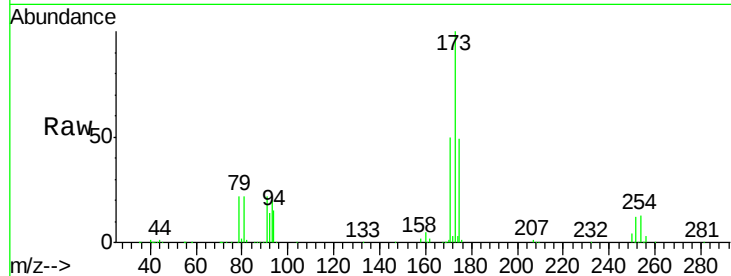
ClientSampleId :

VSTDCCC050

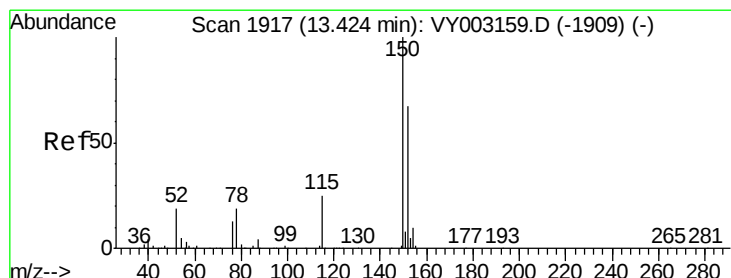
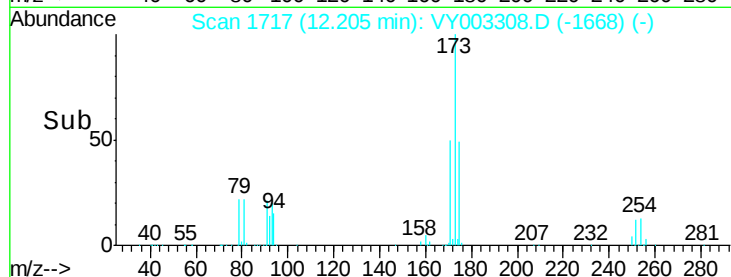
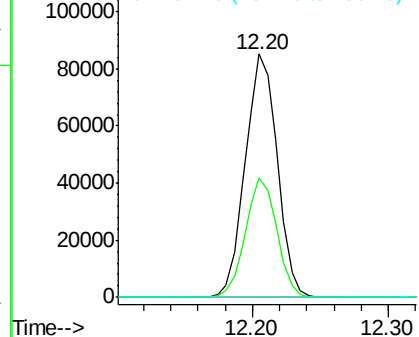
Tot Ion:	173	Resp:	140108
Ion Ratio	Lower	Upper	
173	100		
175	48.2	24.3	73.0
254	0.2	0.2	0.2

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

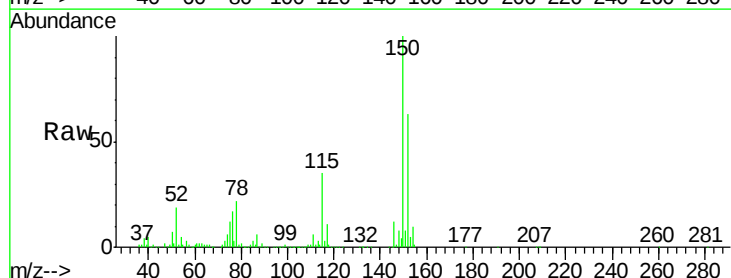
RT: 13.42 min Scan# 1917

Delta R.T. 0.00 min

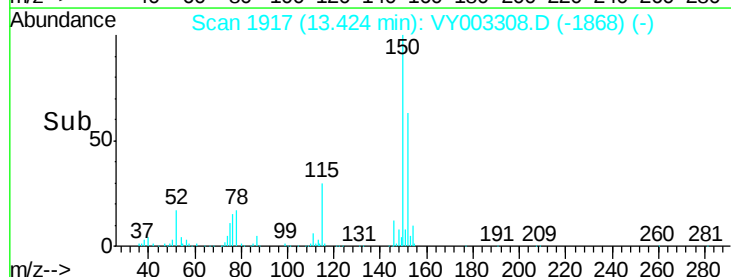
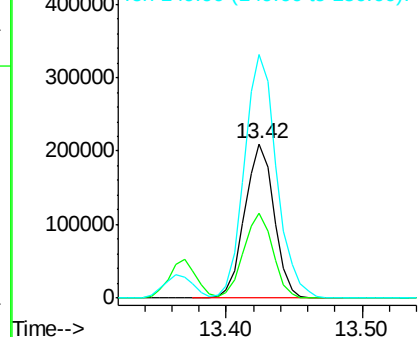
Lab File: VY003308.D

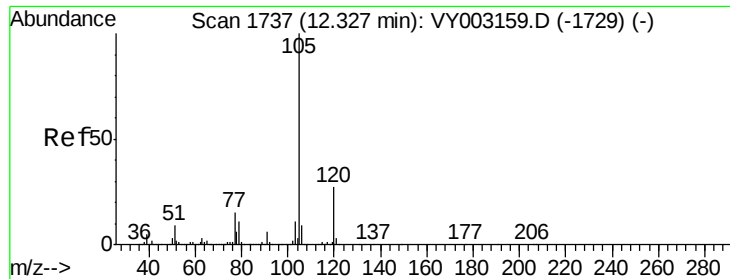
Acq: 23 Jul 2020 11:20

Tgt Ion:	152	Resp:	315932
Ion Ratio	Lower	Upper	
152	100		
115	54.8	26.9	80.7
150	173.2	0.0	338.0



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: 47.954 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VY003308.D

Acq: 23 Jul 2020 11:20

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 965479

Ion Ratio Lower Upper

105 100

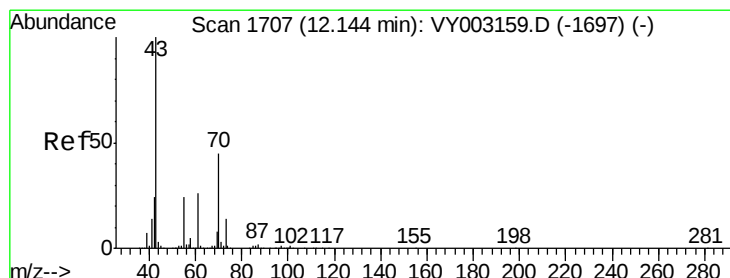
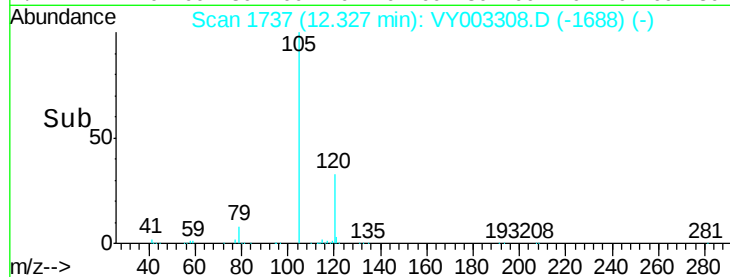
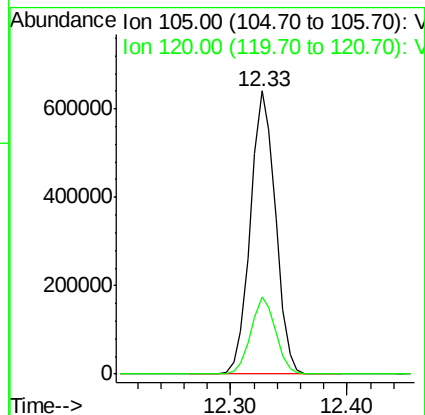
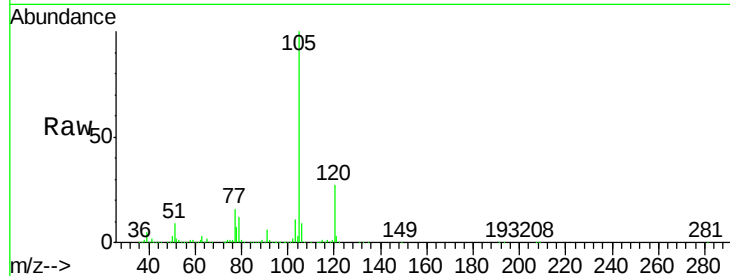
120 27.0 13.4 40.2

Manual Integrations

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#74

N-ethyl acetate

Concen: 50.469 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VY003308.D

Acq: 23 Jul 2020 11:20

Tgt Ion: 43 Resp: 285105

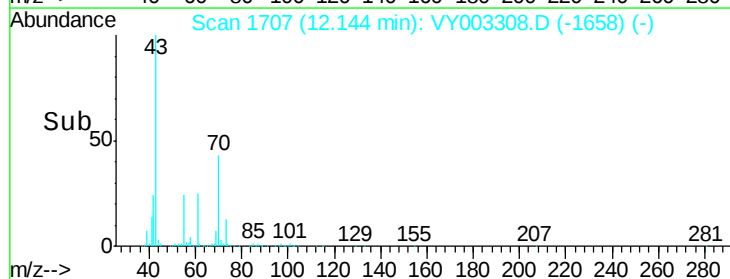
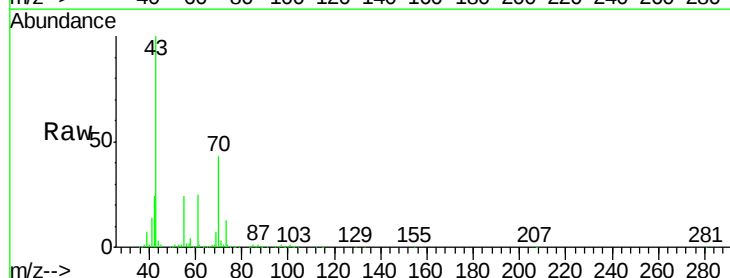
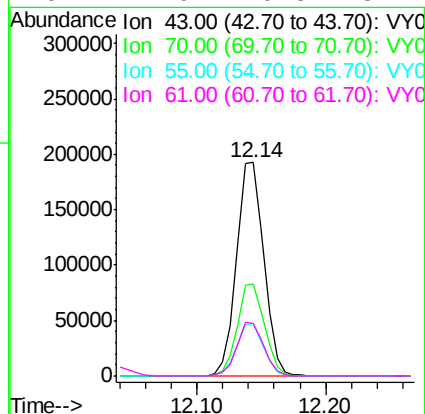
Ion Ratio Lower Upper

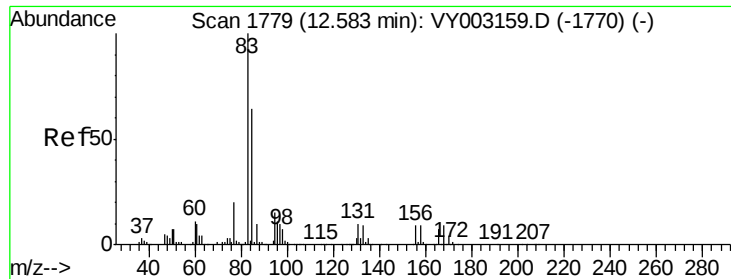
43 100

70 42.5 35.6 53.4

55 24.4 19.4 29.2

61 24.9 20.8 31.2





#75

1,1,2,2-Tetrachloroethane

Concen: 48.284 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VY003308.D

Acq: 23 Jul 2020 11:20

Instrument :

MSVOA_Y

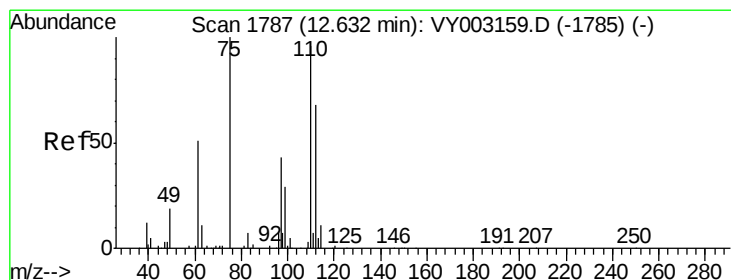
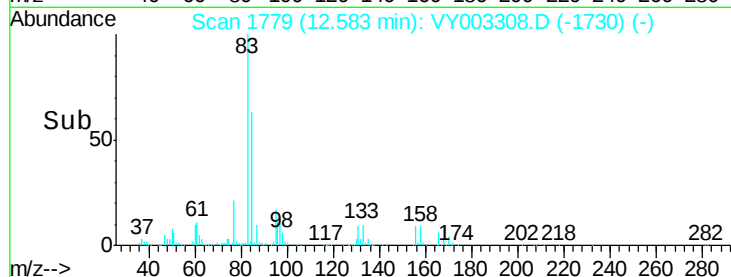
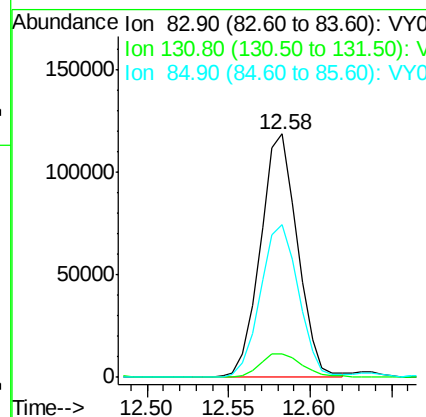
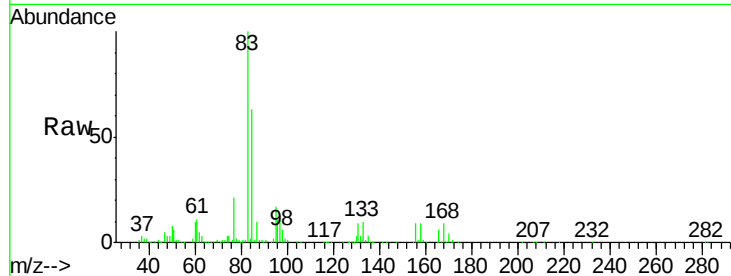
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	187750
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.2	15.6
85	64.3	32.0	96.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 48.082 ug/l m

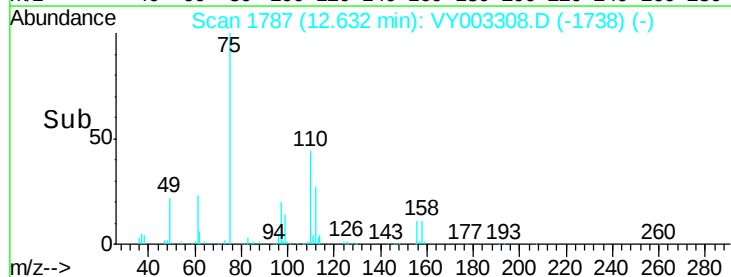
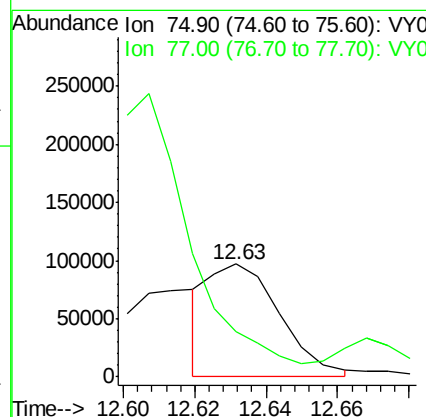
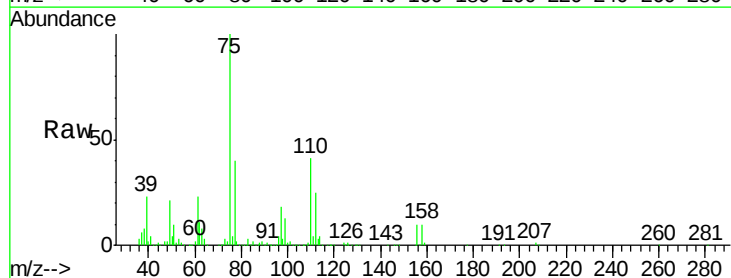
RT: 12.63 min Scan# 1787

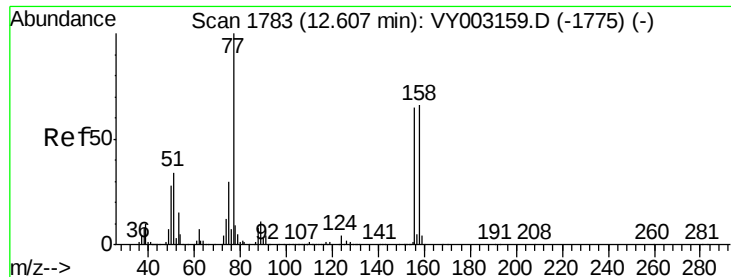
Delta R.T. 0.00 min

Lab File: VY003308.D

Acq: 23 Jul 2020 11:20

Tgt Ion:	75	Resp:	134463
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 48.013 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VY003308.D

Acq: 23 Jul 2020 11:20

Instrument :

MSVOA_Y

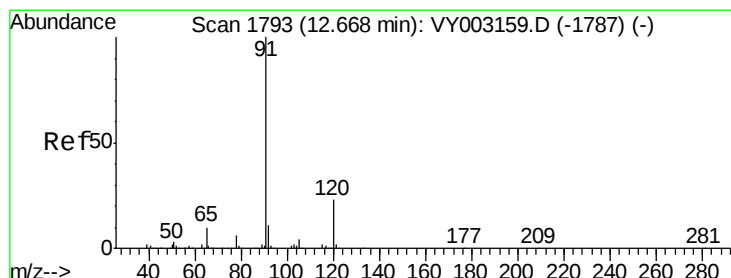
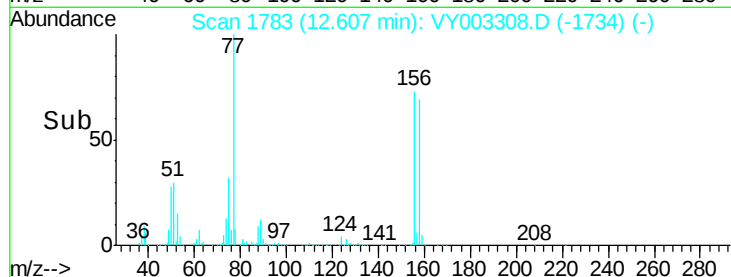
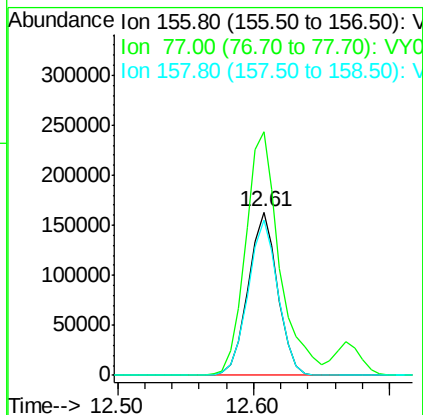
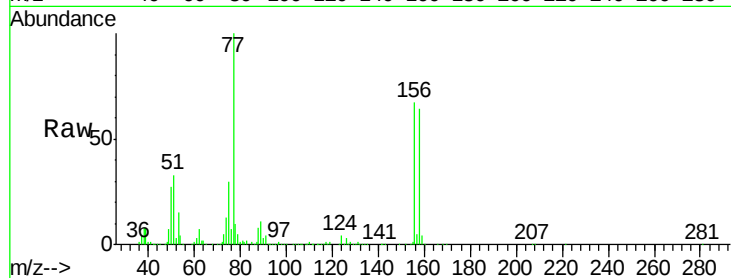
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	172.3	86.6	259.7
158	97.0	49.4	148.0

Manual Integrations
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#78

n-propylbenzene

Concen: 49.047 ug/l

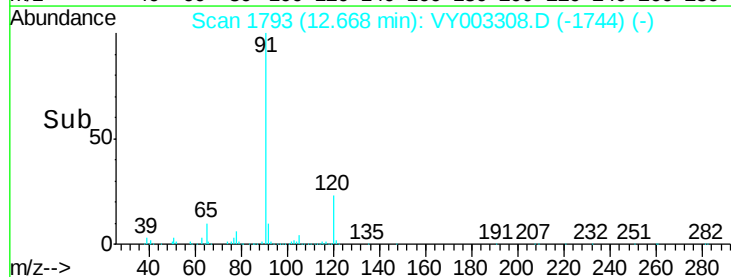
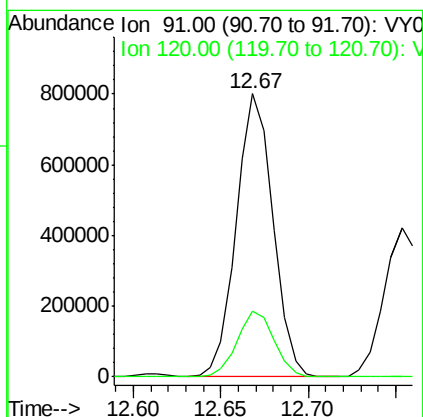
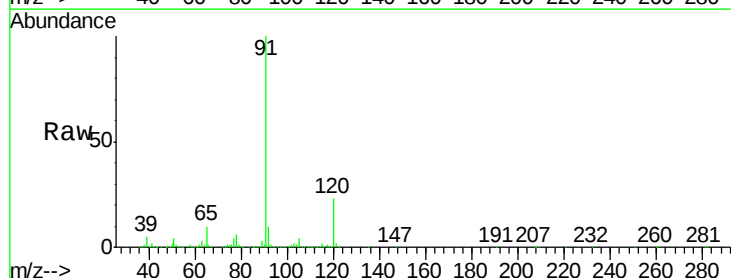
RT: 12.67 min Scan# 1793

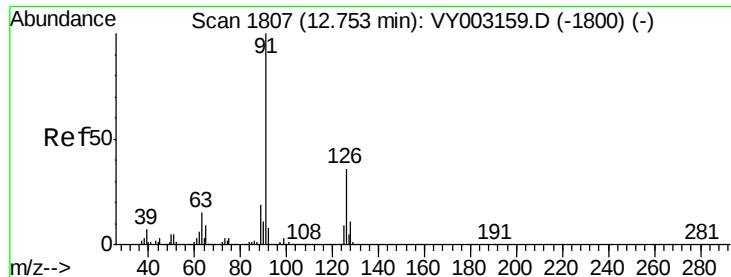
Delta R.T. 0.00 min

Lab File: VY003308.D

Acq: 23 Jul 2020 11:20

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.5	11.7	35.1





#79

2-Chlorotoluene

Concen: 48.421 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VY003308.D

Acq: 23 Jul 2020 11:20

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 641139

Ion Ratio Lower Upper

91 100

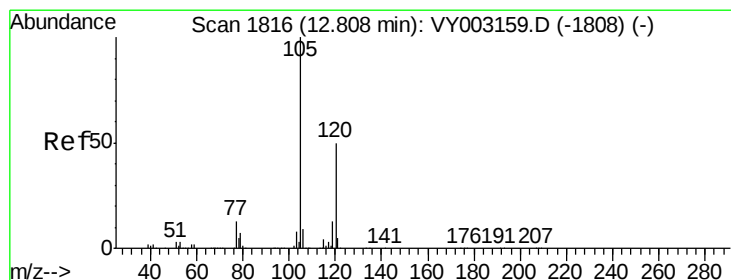
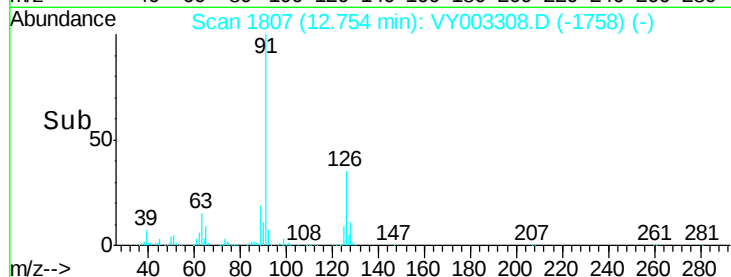
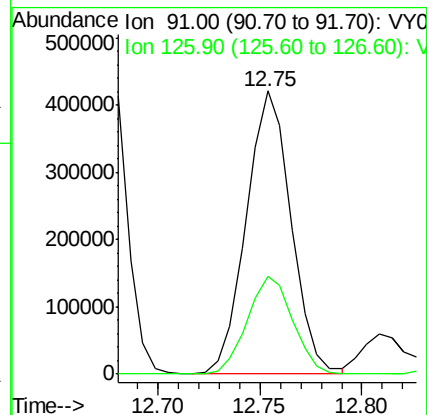
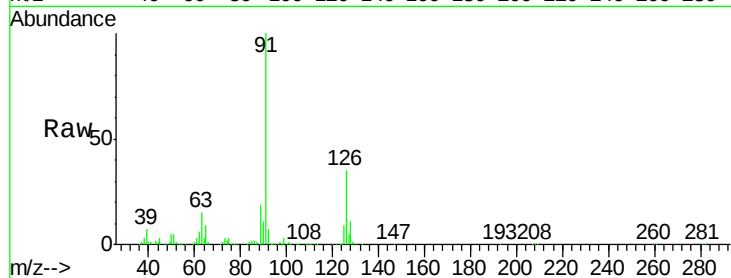
126 35.1 17.6 52.9

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 48.851 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. 0.00 min

Lab File: VY003308.D

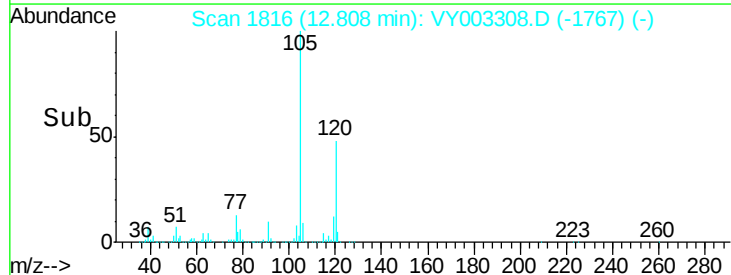
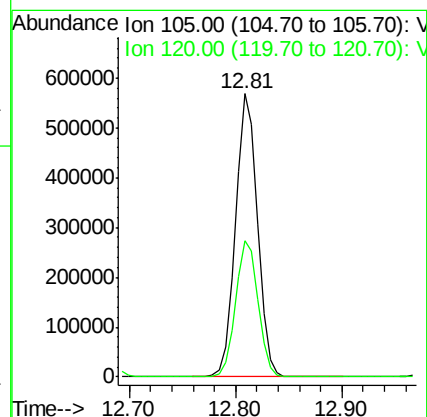
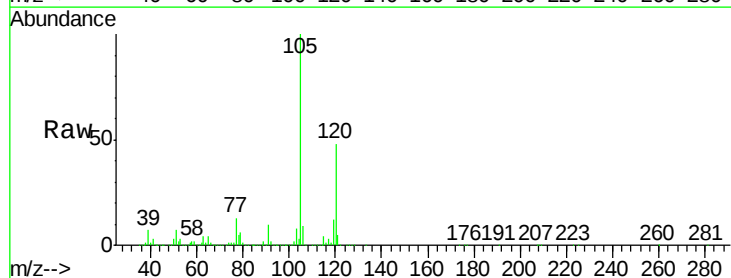
Acq: 23 Jul 2020 11:20

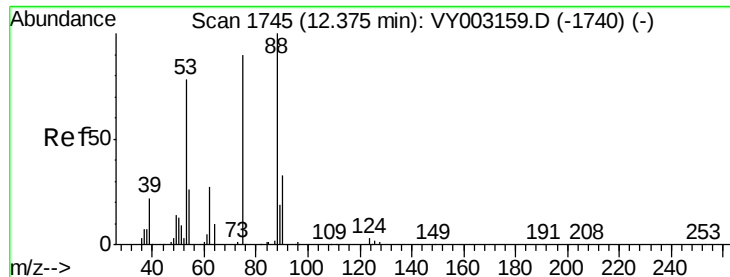
Tgt Ion: 105 Resp: 819724

Ion Ratio Lower Upper

105 100

120 49.1 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 48.485 ug/l

RT: 12.38 min Scan# 1745

Delta R.T. 0.00 min

Lab File: VY003308.D

Acq: 23 Jul 2020 11:20

Instrument :

MSVOA_Y

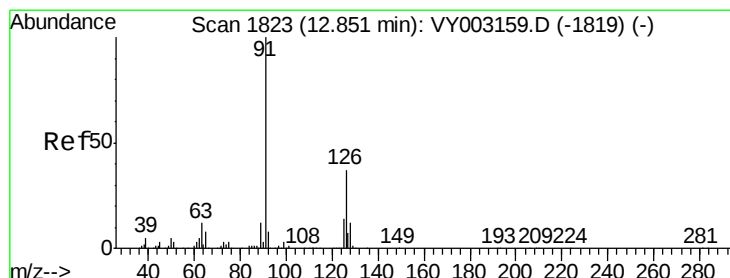
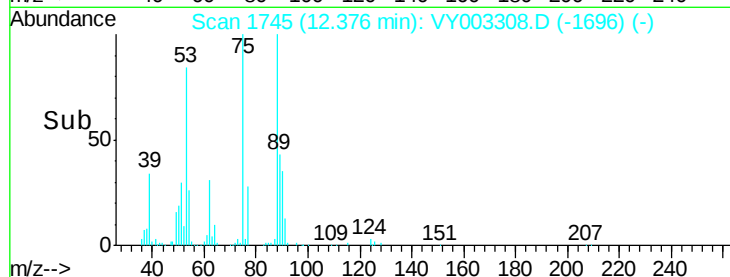
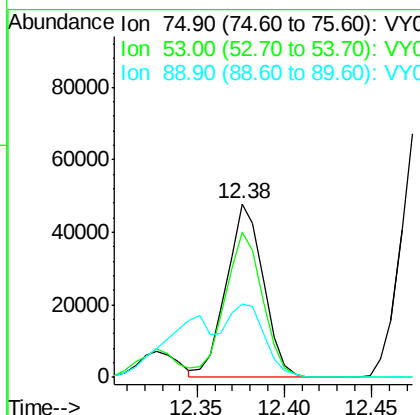
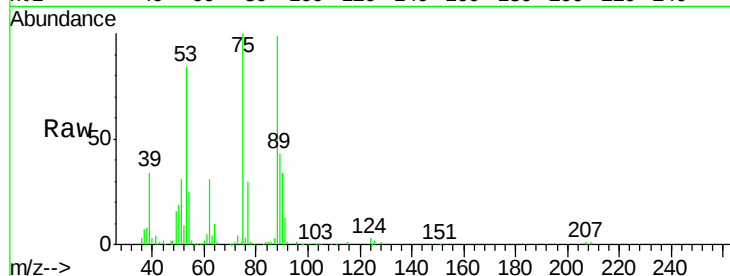
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	69669
Ion	Ratio	Lower	Upper
75	100		
53	85.4	72.0	108.0
89	46.9	37.3	55.9

Manual Integrations
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#82

4-Chlorotoluene

Concen: 48.592 ug/l

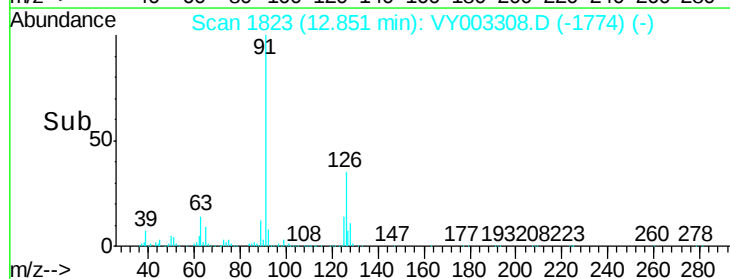
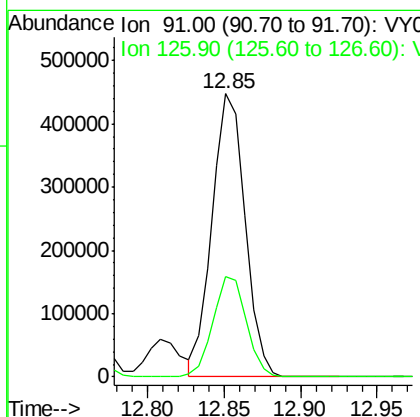
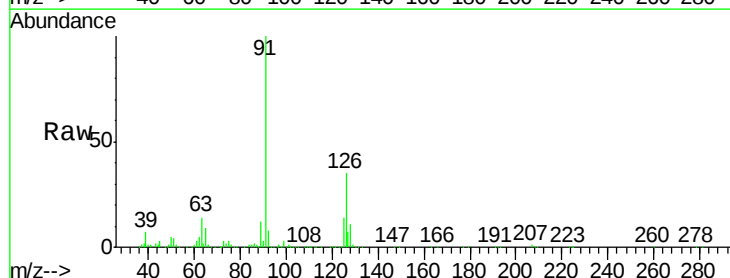
RT: 12.85 min Scan# 1823

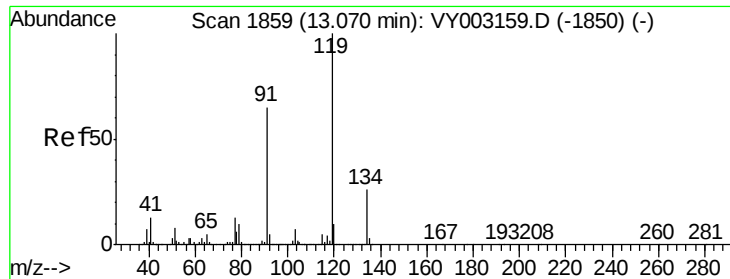
Delta R.T. 0.00 min

Lab File: VY003308.D

Acq: 23 Jul 2020 11:20

Tgt Ion:	91	Resp:	671558
Ion	Ratio	Lower	Upper
91	100		
126	36.0	17.9	53.7





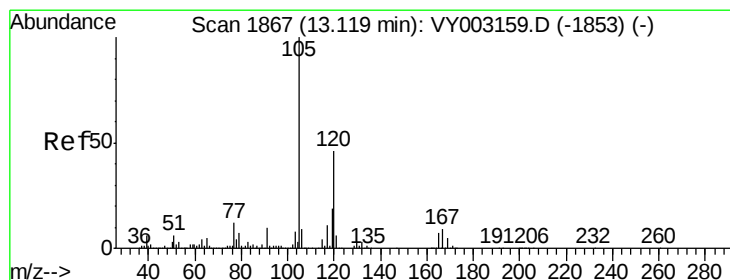
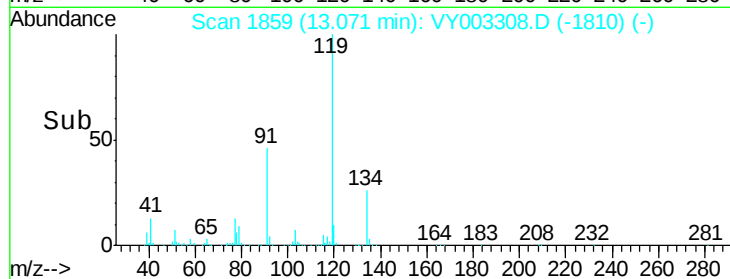
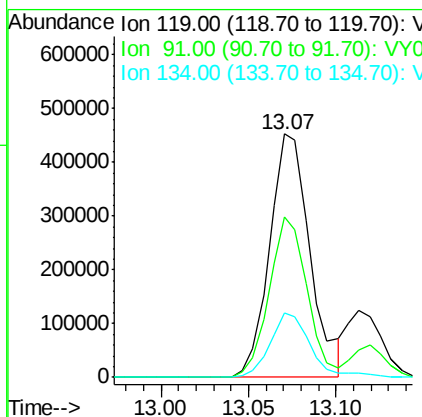
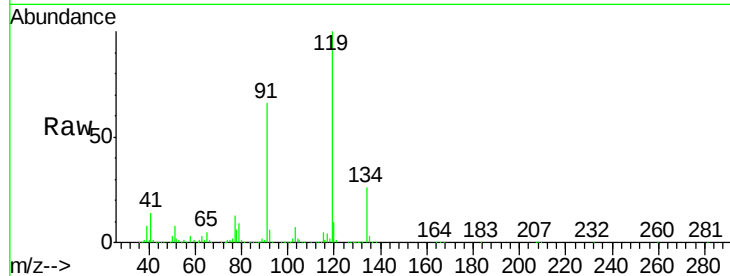
#83
tert-Butylbenzene
Concen: 49.456 ug/l
RT: 13.07 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VY003308.D
Acq: 23 Jul 2020 11:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.7	30.8	92.4
134	26.4	13.2	39.6

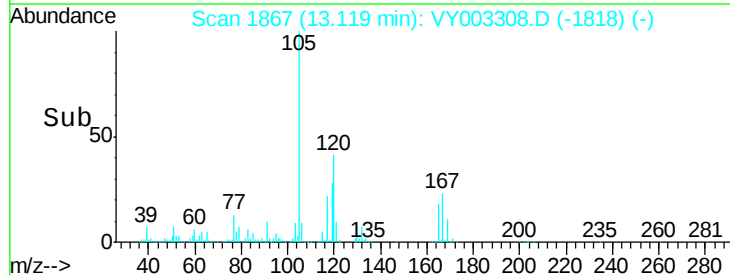
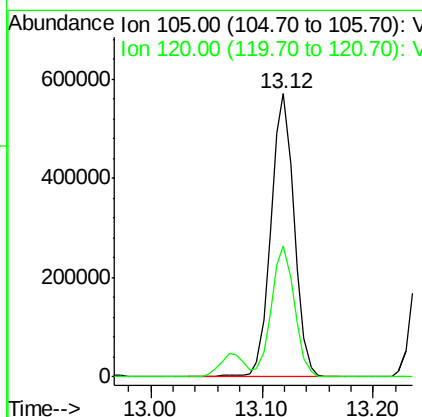
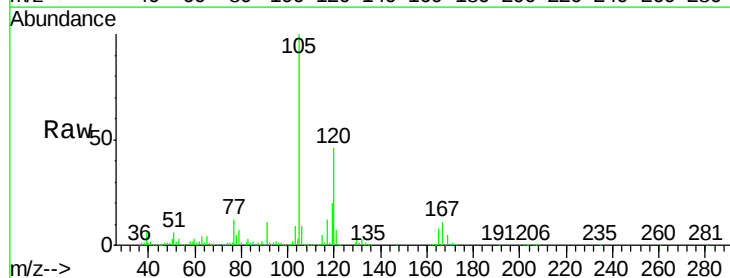
Manual Integrations
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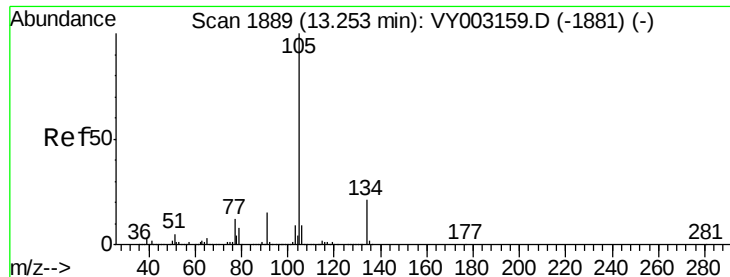
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#84
1,2,4-Trimethylbenzene
Concen: 49.124 ug/l
RT: 13.12 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VY003308.D
Acq: 23 Jul 2020 11:20

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.1	22.5	67.5





#85

sec-Butylbenzene

Concen: 48.979 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. 0.00 min

Lab File: VY003308.D

Acq: 23 Jul 2020 11:20

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 996729

Ion Ratio Lower Upper

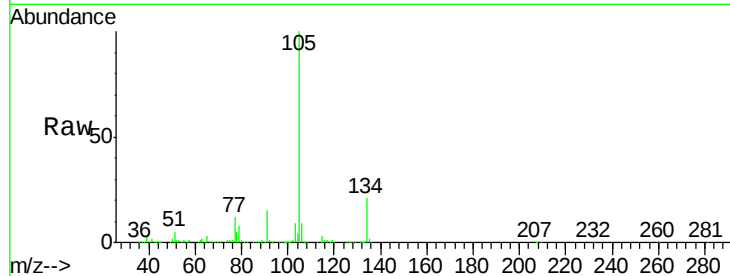
105 100

134 21.1 10.4 31.4

Manual Integrations
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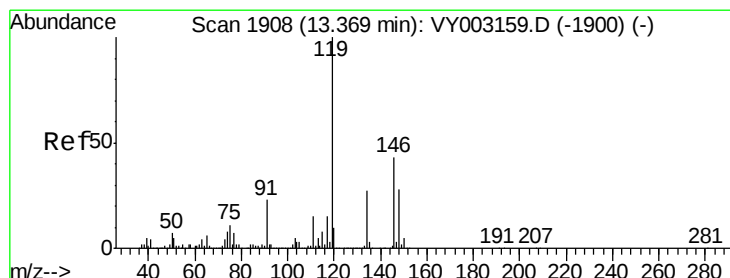
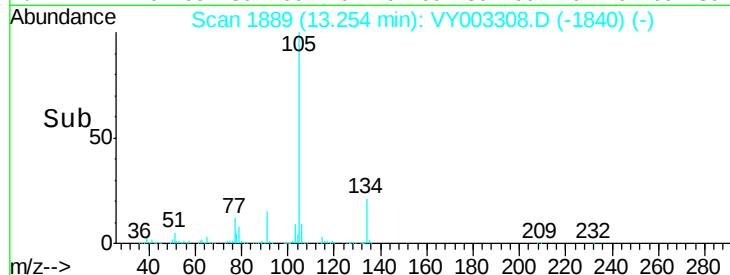
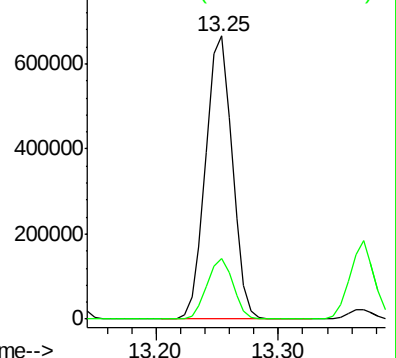
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 49.548 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. 0.00 min

Lab File: VY003308.D

Acq: 23 Jul 2020 11:20

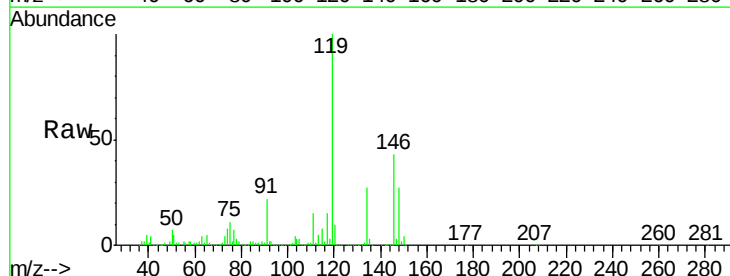
Tgt Ion:119 Resp: 941483

Ion Ratio Lower Upper

119 100

134 27.0 13.4 40.2

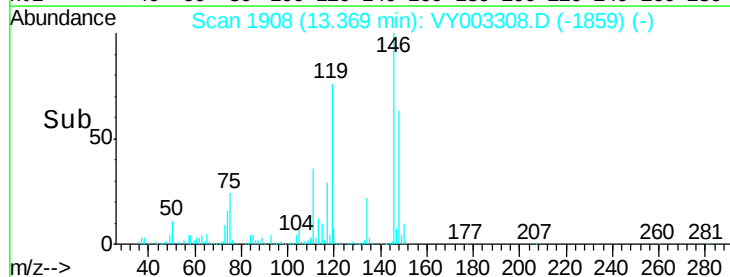
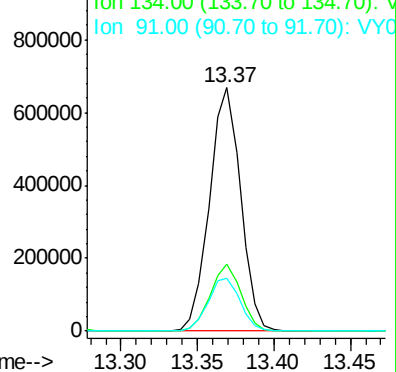
91 22.4 11.2 33.6



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: 48.257 ug/l

RT: 13.36 min Scan# 1907

Delta R.T. 0.00 min

Lab File: VY003308.D

Acq: 23 Jul 2020 11:20

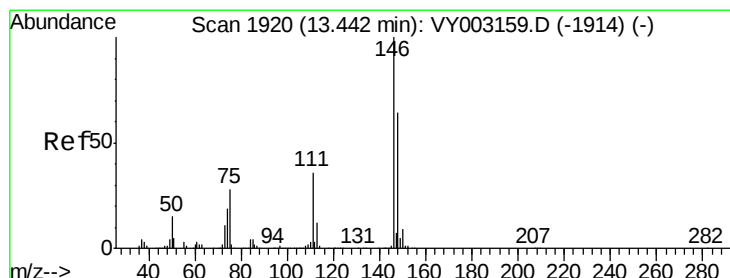
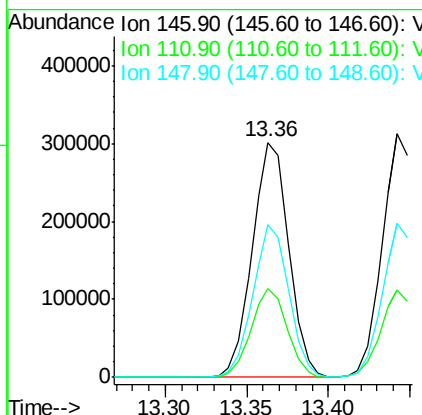
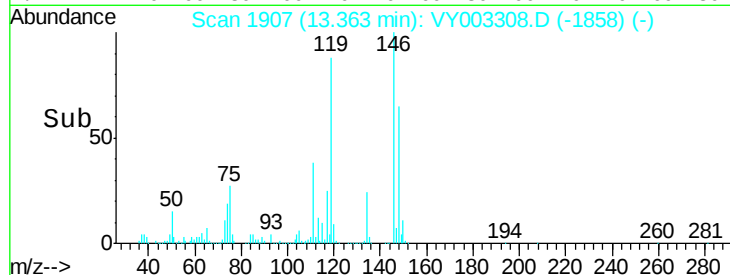
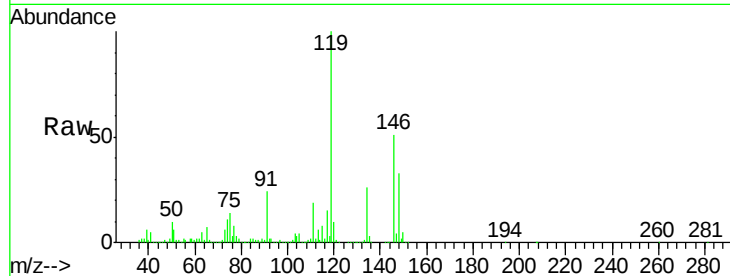
Instrument :
MSVOA_Y

ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.8	56.3
148	64.0	32.3	96.9

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 49.068 ug/l

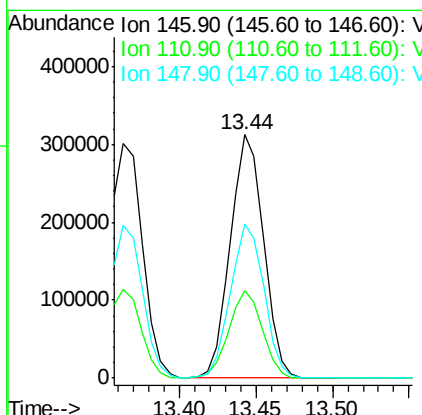
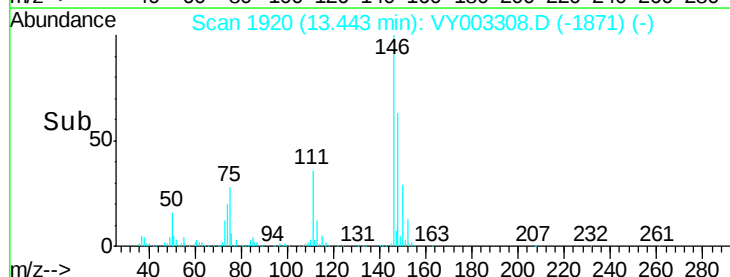
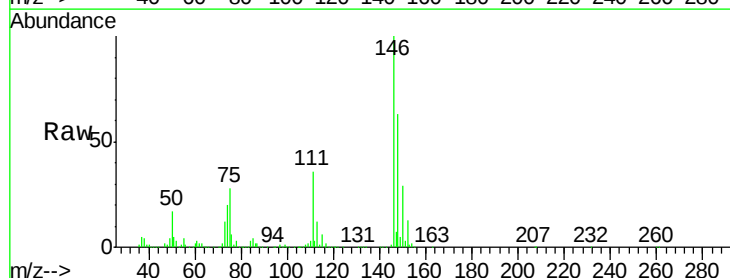
RT: 13.44 min Scan# 1920

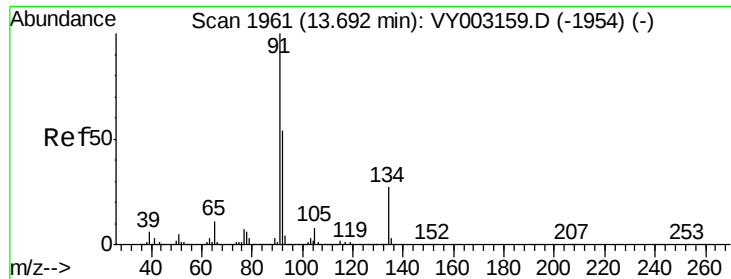
Delta R.T. 0.00 min

Lab File: VY003308.D

Acq: 23 Jul 2020 11:20

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.3	18.4	55.0
148	63.5	32.0	96.0





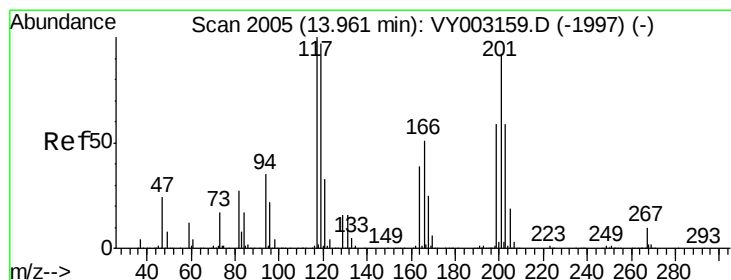
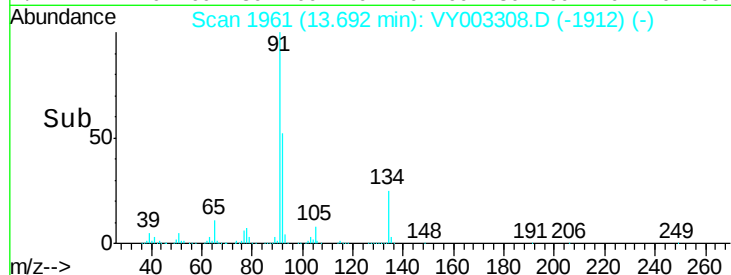
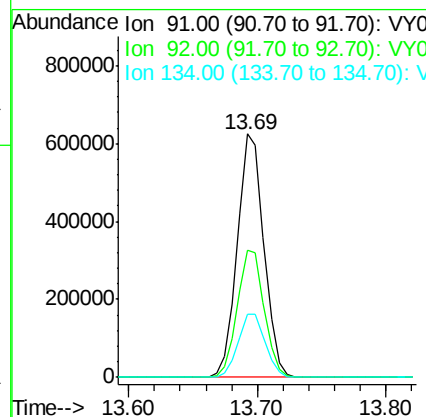
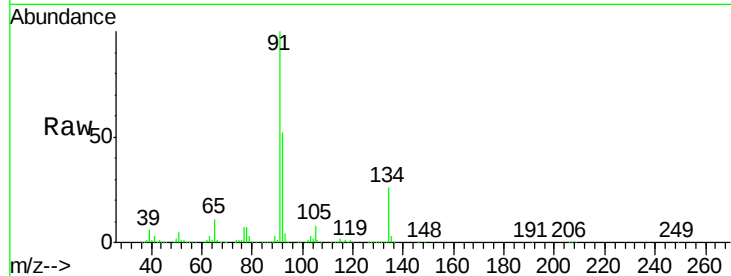
#89
n-Butylbenzene
Concen: 50.229 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. 0.00 min
Lab File: VY003308.D
Acq: 23 Jul 2020 11:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.9	80.7
134	26.8	13.6	40.7

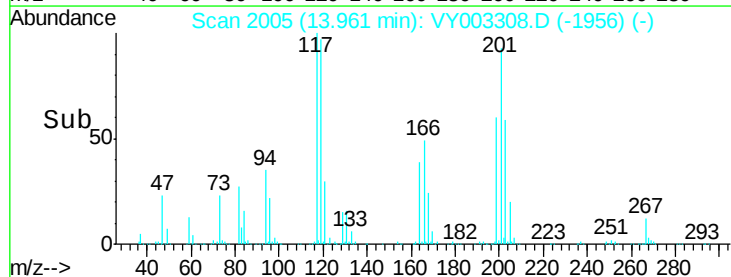
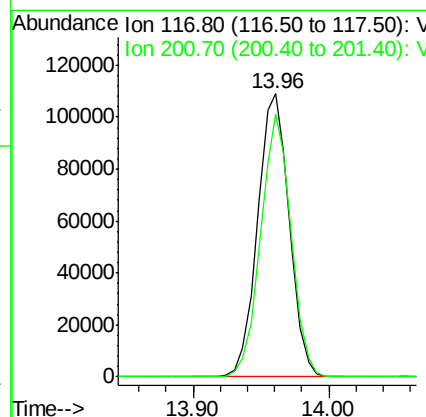
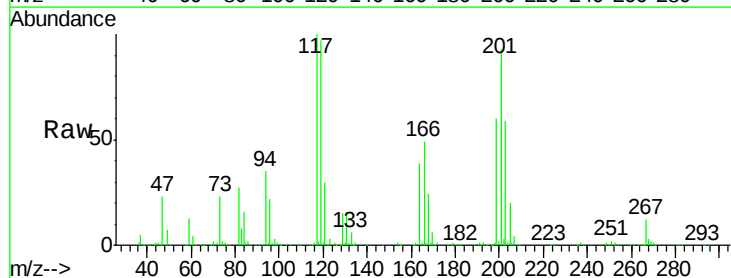
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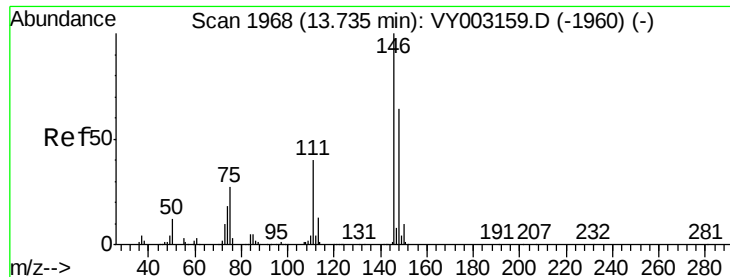
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#90
Hexachloroethane
Concen: 51.323 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. 0.00 min
Lab File: VY003308.D
Acq: 23 Jul 2020 11:20

Tgt Ion	Ratio	Lower	Upper
117	100		
201	89.1	45.1	135.3





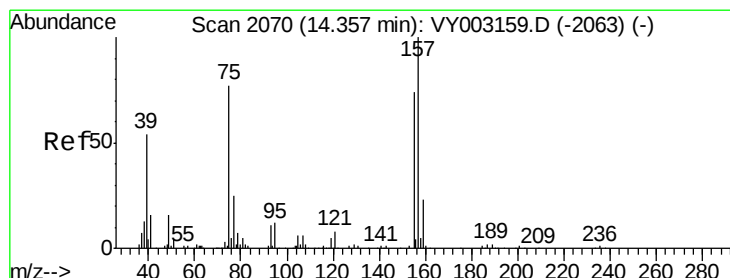
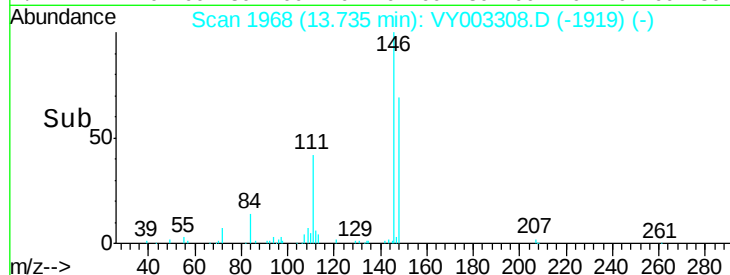
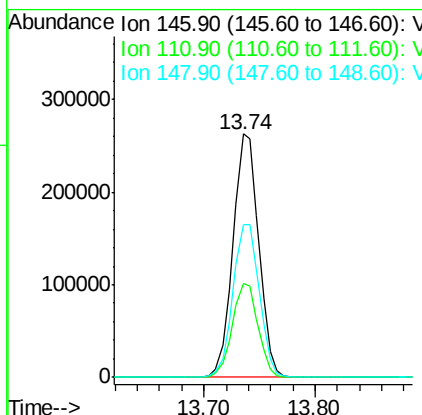
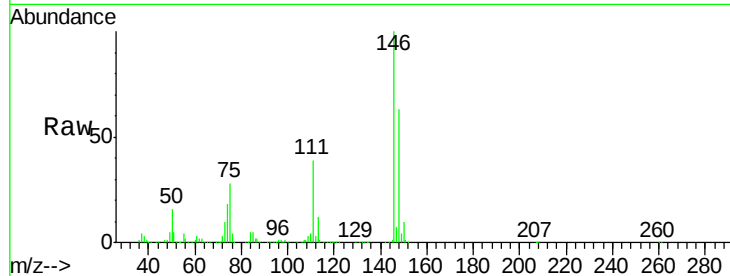
#91
 1,2-Dichlorobenzene
 Concen: 49.262 ug/l
 RT: 13.74 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VY003308.D
 Acq: 23 Jul 2020 11:20

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	419555		
111	38.6	19.6	58.8	
148	64.4	32.4	97.0	

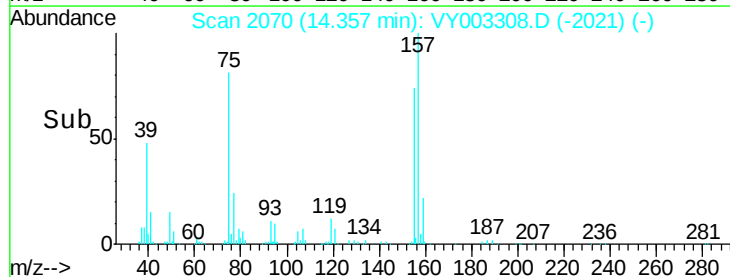
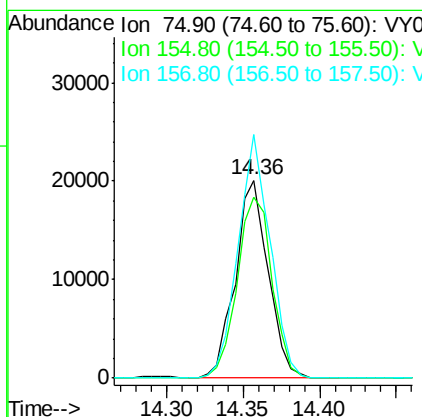
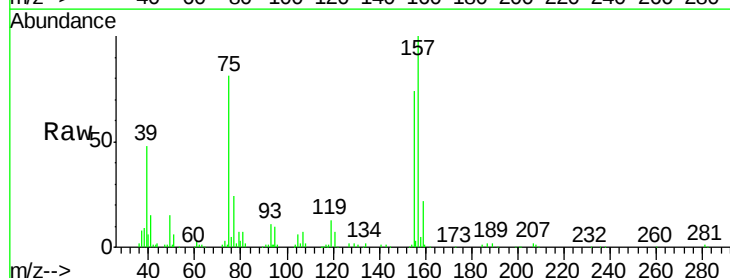
Manual Integrations
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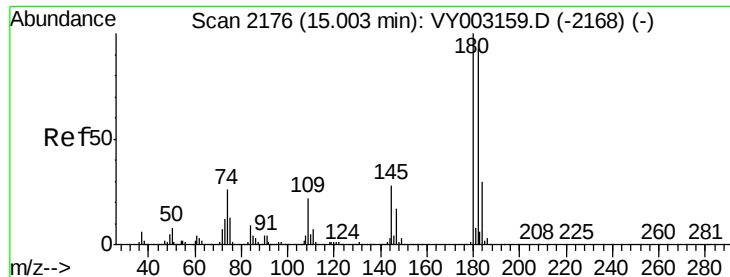
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.606 ug/l
 RT: 14.36 min Scan# 2070
 Delta R.T. 0.00 min
 Lab File: VY003308.D
 Acq: 23 Jul 2020 11:20

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	30011		
155	96.5	48.1	144.3	
157	119.3	61.9	185.6	





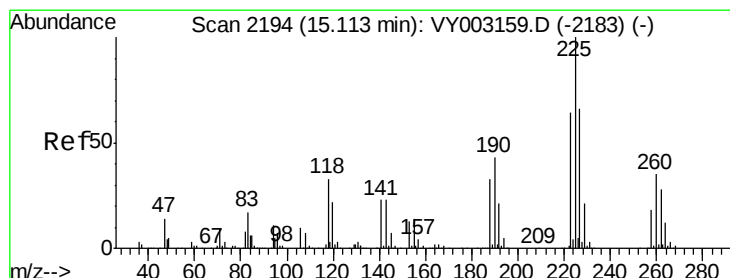
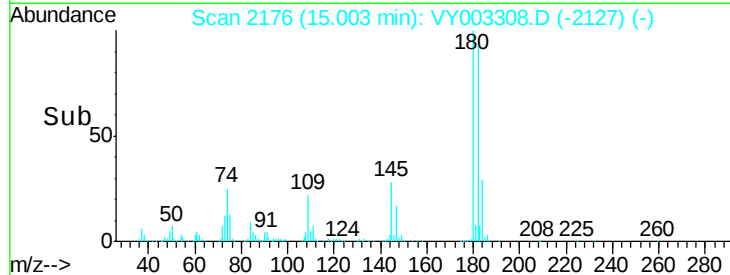
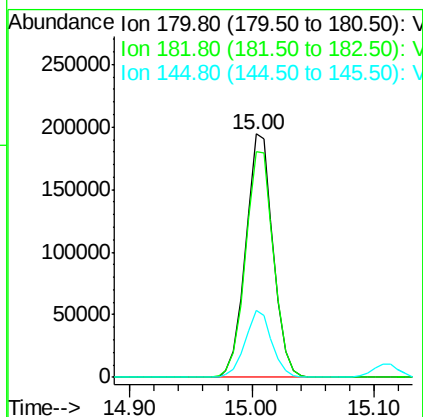
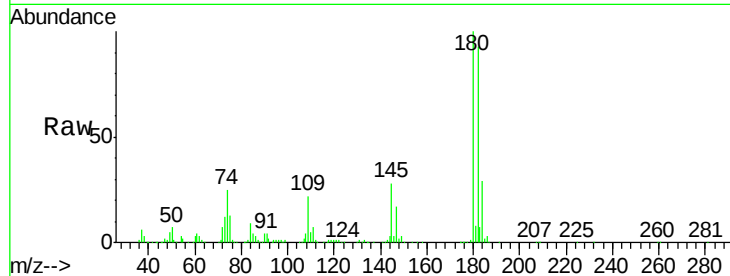
#93
 1,2,4-Trichlorobenzene
 Concen: 49.512 ug/l
 RT: 15.00 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VY003308.D
 Acq: 23 Jul 2020 11:20

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	299986		
182	95.7	47.3	142.0	
145	27.1	13.7	41.1	

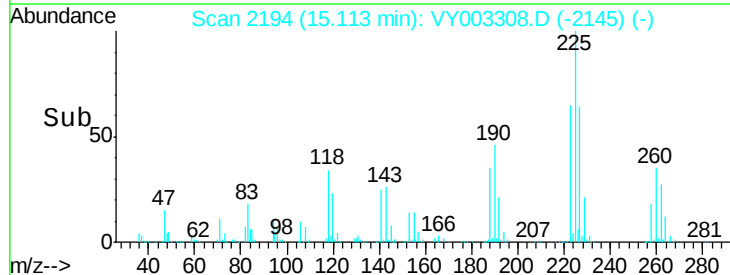
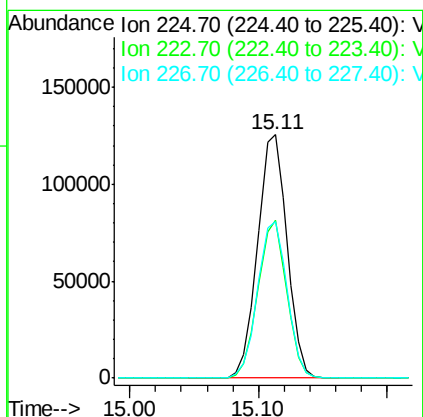
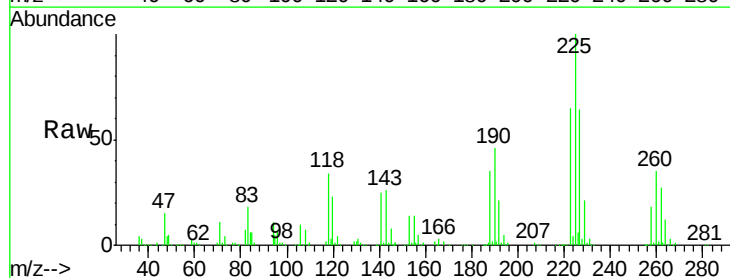
Manual Integrations
 APPROVED

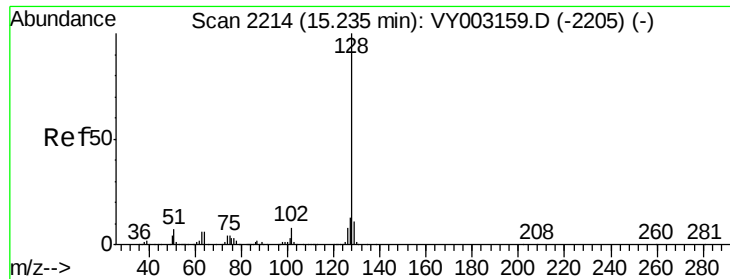
MMDadoda
 7/24/2020 12:58:20 PM



#94
 Hexachlorobutadiene
 Concen: 47.690 ug/l
 RT: 15.11 min Scan# 2194
 Delta R.T. 0.00 min
 Lab File: VY003308.D
 Acq: 23 Jul 2020 11:20

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	197992		
223	63.1	31.6	94.7	
227	64.4	32.3	96.8	





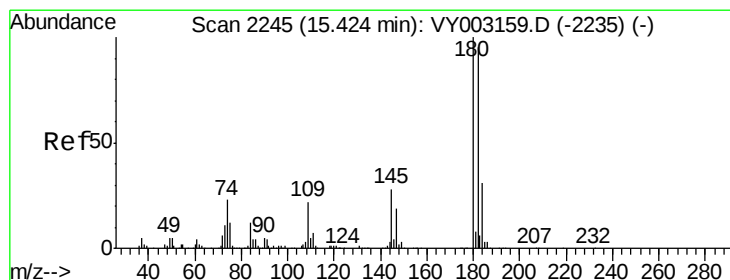
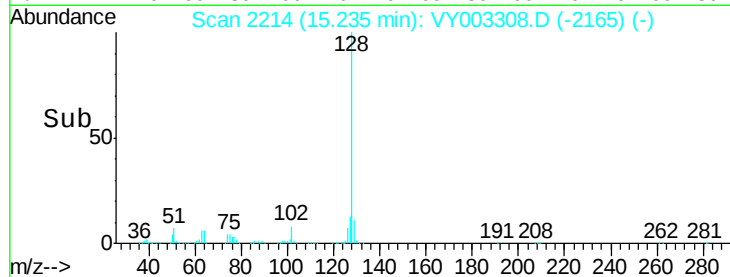
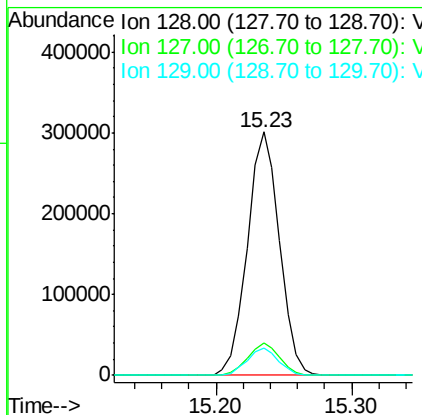
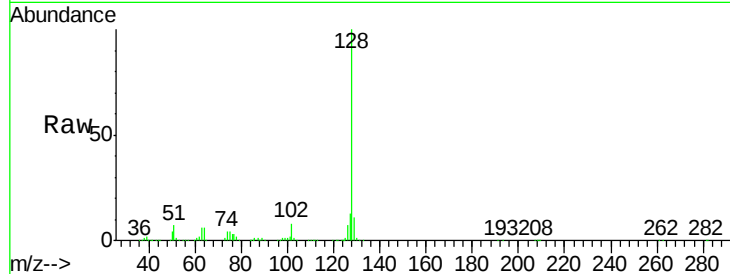
#95
Naphthalene
Concen: 49.586 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VY003308.D
Acq: 23 Jul 2020 11:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	496514		
127	13.2		10.9	16.3
129	11.2		9.0	13.6

Manual Integrations
APPROVED

MMDadoda
7/24/2020 12:58:20 PM



#96
1,2,3-Trichlorobenzene
Concen: 49.983 ug/l
RT: 15.42 min Scan# 2245
Delta R.T. 0.00 min
Lab File: VY003308.D
Acq: 23 Jul 2020 11:20

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	239393		
182	94.3		48.8	146.3
145	29.0		14.9	44.5

