

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY070920\
 Data File : VY003154.D
 Acq On : 09 Jul 2020 19:24
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/10/2020 12:18:38 PM

Quant Time: Jul 10 04:58:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 30 04:11:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	413173	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	614842	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	571085	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	303936	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	214937	52.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.76%	
35) Dibromofluoromethane	7.72	113	212534	55.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.82%	
50) Toluene-d8	10.18	98	767823	53.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.48%	
62) 4-Bromofluorobenzene	12.48	95	283706	56.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	138834	44.369	ug/l	98
3) Chloromethane	2.12	50	210039	45.839	ug/l	98
4) Vinyl Chloride	2.26	62	210333	47.058	ug/l	96
5) Bromomethane	2.65	94	174043	57.351	ug/l	99
6) Chloroethane	2.80	64	145131	51.042	ug/l	98
7) Trichlorofluoromethane	3.13	101	306904	48.649	ug/l	98
8) Diethyl Ether	3.54	74	111471	51.543	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.91	101	190737	50.637	ug/l	98
10) Methyl Iodide	4.10	142	202450	43.344	ug/l	99
11) Tert butyl alcohol	4.98	59	99484	237.881	ug/l	98
12) 1,1-Dichloroethene	3.88	96	176705	49.304	ug/l	94
13) Acrolein	3.74	56	58117	154.726	ug/l	99
14) Allyl chloride	4.49	41	270264	43.191	ug/l	96
15) Acrylonitrile	5.18	53	274232	246.036	ug/l	99
16) Acetone	3.96	43	210167	217.152	ug/l	94
17) Carbon Disulfide	4.20	76	495599	43.280	ug/l	98
18) Methyl Acetate	4.48	43	129941	49.834	ug/l	93
19) Methyl tert-butyl Ether	5.22	73	559312	53.538	ug/l	97
20) Methylene Chloride	4.72	84	229931	53.764	ug/l	90
21) trans-1,2-Dichloroethene	5.22	96	203306	50.150	ug/l	97
22) Diisopropyl ether	6.13	45	644563	48.060	ug/l	95
23) Vinyl Acetate	6.07	43	2145206	239.243	ug/l	97
24) 1,1-Dichloroethane	6.03	63	363474	49.613	ug/l	99
25) 2-Butanone	7.00	43	369766	240.512	ug/l	97
26) 2,2-Dichloropropane	6.99	77	314227	47.208	ug/l	98
27) cis-1,2-Dichloroethene	6.99	96	235915	51.883	ug/l	94
28) Bromochloromethane	7.34	49	182857	56.095	ug/l	85
29) Tetrahydrofuran	7.35	42	245386	240.014	ug/l	91
30) Chloroform	7.52	83	384151	52.928	ug/l	100
31) Cyclohexane	7.79	56	304199	42.148	ug/l	95
32) 1,1,1-Trichloroethane	7.71	97	333097	50.279	ug/l	98
36) 1,1-Dichloropropene	7.93	75	284797	48.088	ug/l	98
37) Ethyl Acetate	7.08	43	168336	47.274	ug/l	95
38) Carbon Tetrachloride	7.91	117	297372	48.260	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	344426	46.906	ug/l	96
40) Benzene	8.16	78	816139	50.336	ug/l	99
41) Methacrylonitrile	7.33	41	101102m	53.152	ug/l	
42) 1,2-Dichloroethane	8.24	62	257798	50.259	ug/l	99
43) Isopropyl Acetate	8.28	43	332821	49.165	ug/l	97
44) Trichloroethene	8.94	130	249735	52.992	ug/l	99
45) 1,2-Dichloropropane	9.22	63	215732	49.456	ug/l	96
46) Dibromomethane	9.31	93	128616	52.791	ug/l	97
47) Bromodichloromethane	9.50	83	307816	51.598	ug/l	99
48) Methyl methacrylate	9.30	41	149847	48.632	ug/l	93
49) 1,4-Dioxane	9.31	88	35258	1185.530	ug/l #	91
51) 4-Methyl-2-Pentanone	10.07	43	883144	252.413	ug/l	96
52) Toluene	10.24	92	522220	51.164	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	316533	50.608	ug/l	99
54) cis-1,3-Dichloropropene	9.93	75	357007	49.909	ug/l	95
55) 1,1,2-Trichloroethane	10.64	97	183859	54.308	ug/l	98
56) Ethyl methacrylate	10.51	69	268764	54.842	ug/l	94
57) 1,3-Dichloropropane	10.79	76	310523	52.247	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	663702	264.062	ug/l	96
59) 2-Hexanone	10.83	43	617730	252.594	ug/l	96
60) Dibromochloromethane	10.99	129	236212	54.520	ug/l	99
61) 1,2-Dibromoethane	11.09	107	181842	54.482	ug/l	99
64) Tetrachloroethene	10.72	164	271888	56.252	ug/l	99
65) Chlorobenzene	11.52	112	588045	52.221	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	236776	53.856	ug/l	100
67) Ethyl Benzene	11.59	91	1049386	50.939	ug/l	100
68) m/p-Xylenes	11.70	106	794328	103.601	ug/l	97
69) o-Xylene	12.03	106	379743	52.560	ug/l	95
70) Styrene	12.04	104	657161	53.241	ug/l	98
71) Bromoform	12.20	173	160780	54.845	ug/l	100
73) Isopropylbenzene	12.33	105	1025405	51.550	ug/l	100
74) N-amyl acetate	12.14	43	315909	48.785	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.58	83	211436	52.673	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	156411m	51.998	ug/l	
77) Bromobenzene	12.61	156	271110	53.158	ug/l	96
78) n-propylbenzene	12.67	91	1201293	50.217	ug/l	99
79) 2-Chlorotoluene	12.75	91	677308	50.724	ug/l	97
80) 1,3,5-Trimethylbenzene	12.81	105	853203	51.115	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	77036	49.827	ug/l	96
82) 4-Chlorotoluene	12.85	91	716430	51.533	ug/l	99
83) tert-Butylbenzene	13.08	119	757591	51.690	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	868833	51.656	ug/l	98
85) sec-Butylbenzene	13.25	105	1035102	51.238	ug/l	100
86) p-Isopropyltoluene	13.37	119	963504	51.471	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	503768	52.907	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	497163	52.951	ug/l	99
89) n-Butylbenzene	13.69	91	889304	49.653	ug/l	99
90) Hexachloroethane	13.96	117	180812	48.643	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	451302	52.827	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	34516	48.573	ug/l	90

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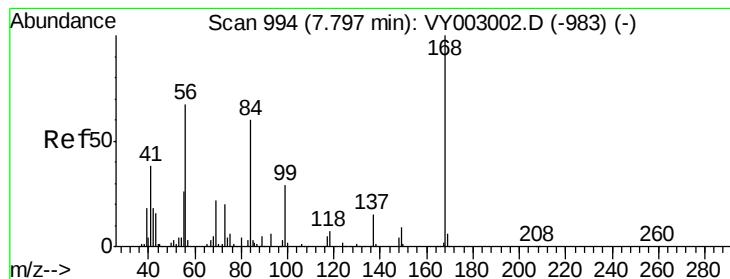
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	317525	50.019	ug/l	100
94) Hexachlorobutadiene	15.11	225	199416	49.803	ug/l	99
95) Naphthalene	15.23	128	574515	49.550	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	261216	47.388	ug/l	99

(#) = 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: VY003154.D

Acq: 09 Jul 2020 19:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 413173

Ion Ratio Lower Upper

168 100

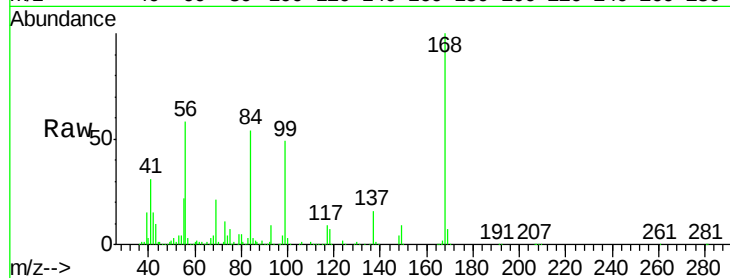
99 49.1 39.2 58.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VY003154.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY003154.D (-945) (-)

7.80

200000

150000

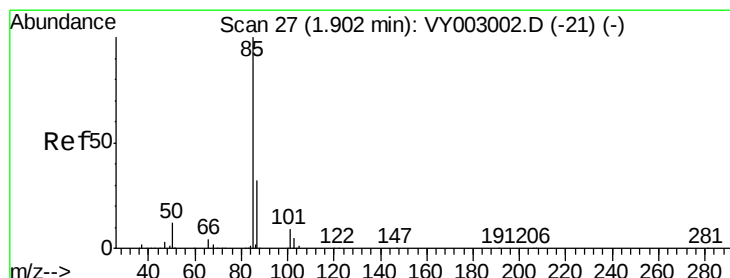
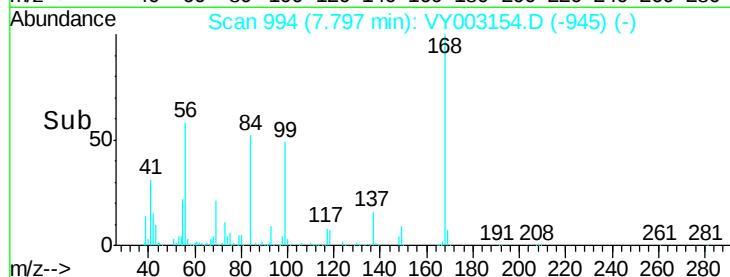
100000

50000

0

7.70 7.80 7.90 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 44.369 ug/l

RT: 1.91 min Scan# 28

Delta R.T. 0.01 min

Lab File: VY003154.D

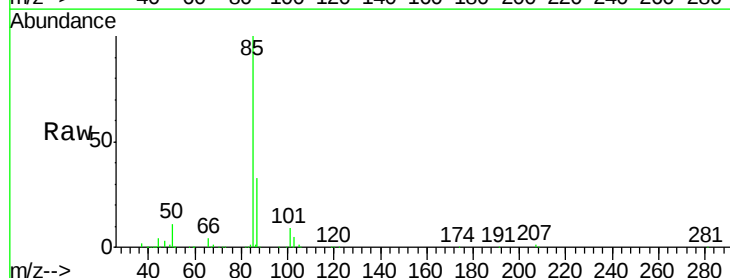
Acq: 09 Jul 2020 19:24

Tgt Ion: 85 Resp: 138834

Ion Ratio Lower Upper

85 100

87 32.9 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VY003154.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VY003154.D (-1) (-)

1.91

100000

80000

60000

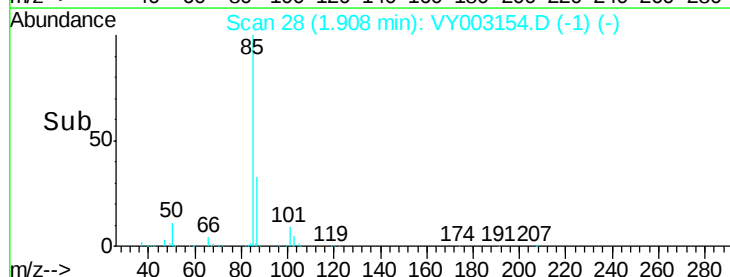
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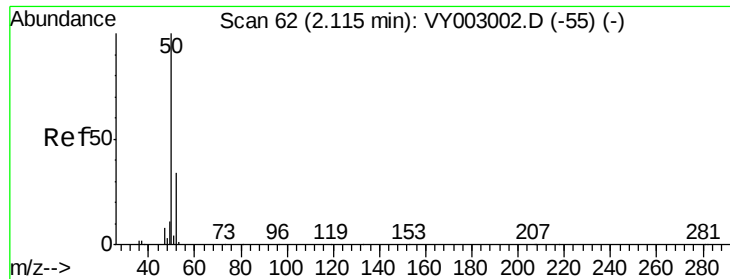
20000

0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 45.839 ug/l

RT: 2.12 min Scan# 62

Delta R.T. 0.00 min

Lab File: VY003154.D

Acq: 09 Jul 2020 19:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 210039

Ion Ratio Lower Upper

50 100

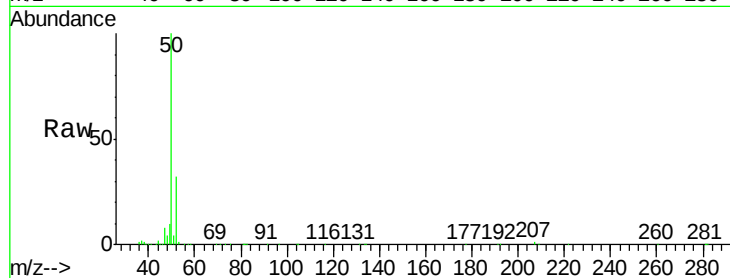
52 32.5 26.9 40.3

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Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0

150000

100000

50000

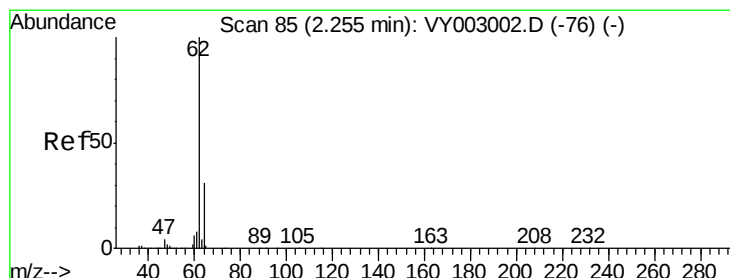
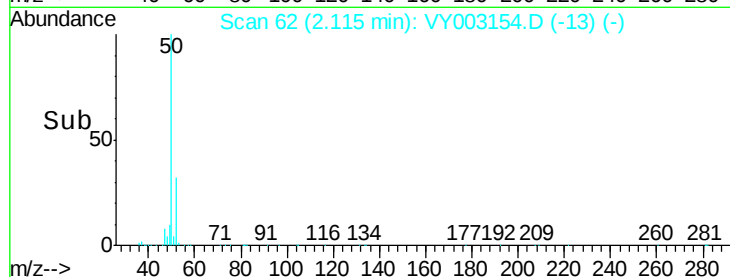
0

2.12

2.10

2.20

Time-->



#4

Vinyl Chloride

Concen: 47.058 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.00 min

Lab File: VY003154.D

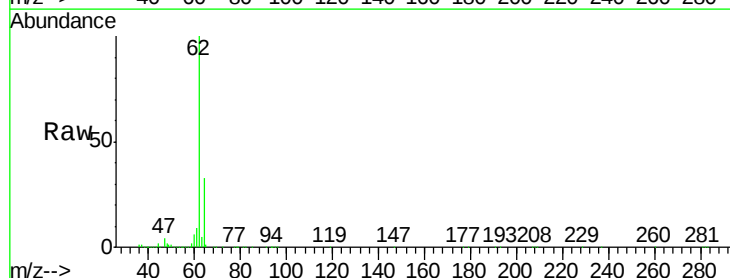
Acq: 09 Jul 2020 19:24

Tgt Ion: 62 Resp: 210333

Ion Ratio Lower Upper

62 100

64 32.6 24.4 36.6



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0

100000

50000

0

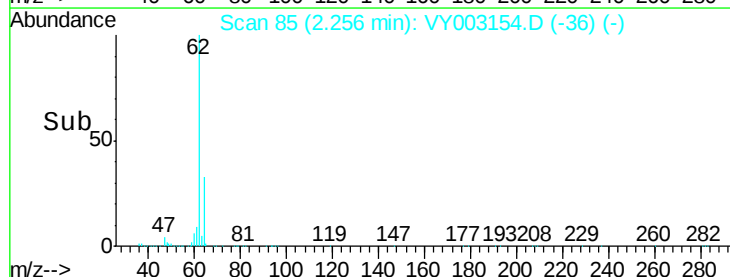
2.26

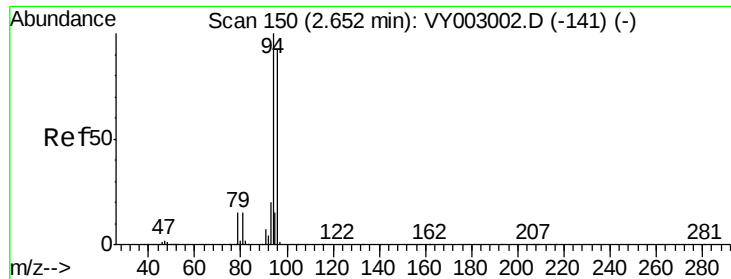
2.10

2.30

2.40

Time-->





#5

Bromomethane

Concen: 57.351 ug/l

RT: 2.65 min Scan# 150

Delta R.T. 0.00 min

Lab File: VY003154.D

Acq: 09 Jul 2020 19:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 174043

Ion Ratio Lower Upper

94 100

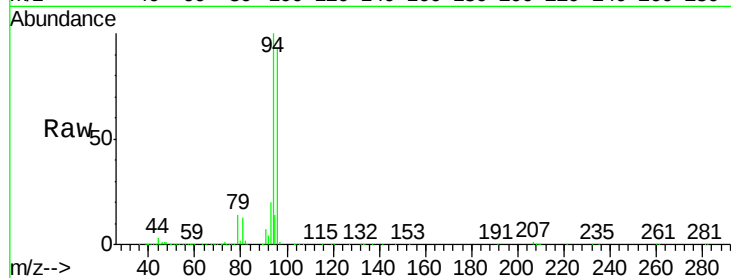
96 93.1 73.4 110.2

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0

2.65

100000

80000

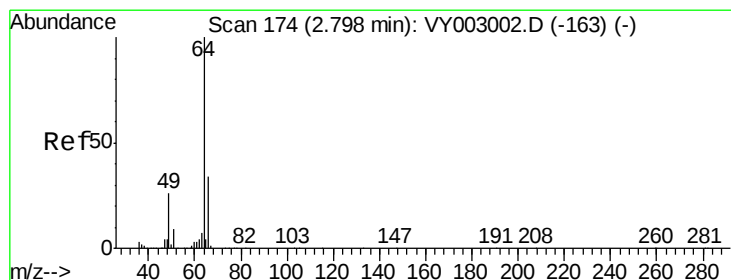
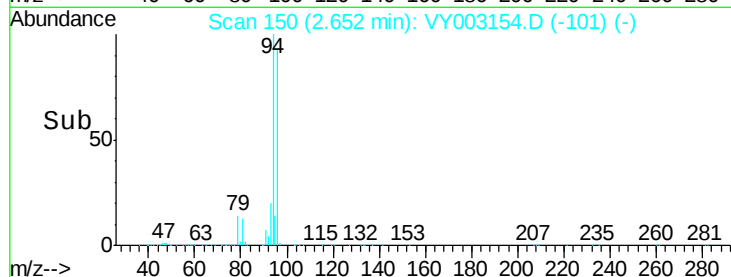
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 51.042 ug/l

RT: 2.80 min Scan# 174

Delta R.T. 0.00 min

Lab File: VY003154.D

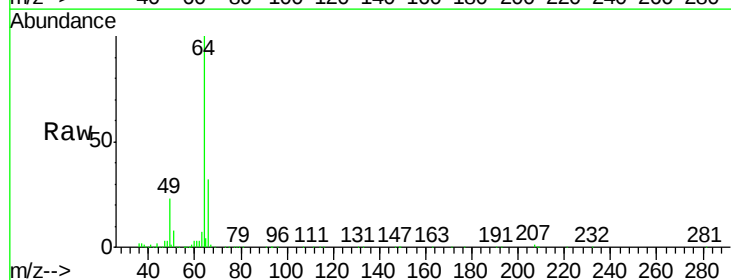
Acq: 09 Jul 2020 19:24

Tgt Ion: 64 Resp: 145131

Ion Ratio Lower Upper

64 100

66 32.5 27.0 40.4



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0

2.80

80000

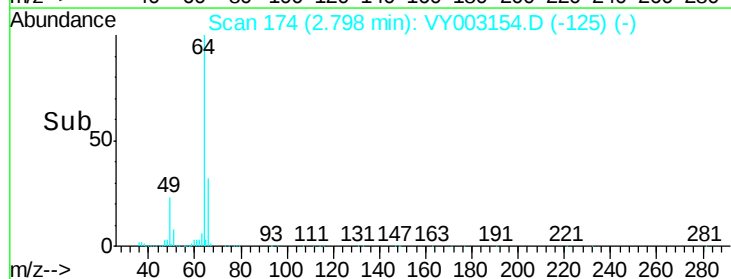
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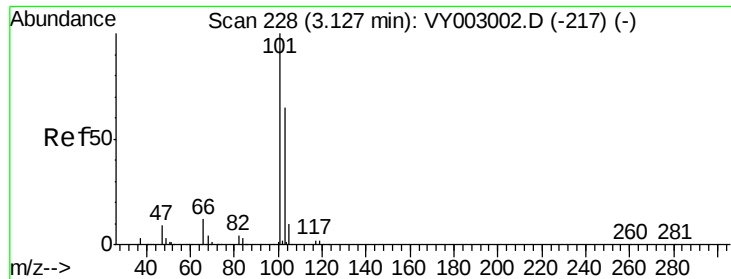
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20000

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Time-->





#7

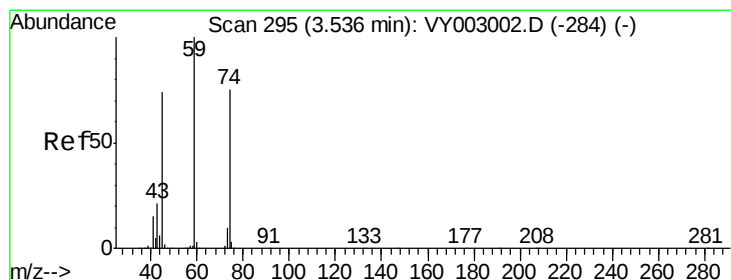
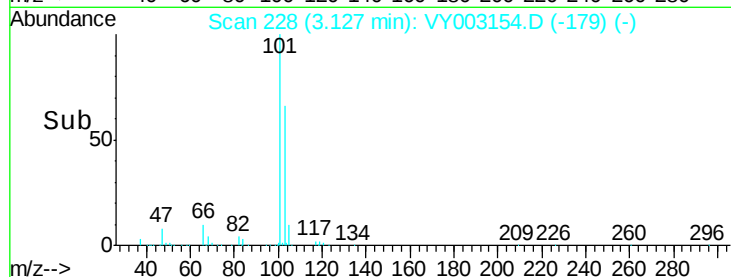
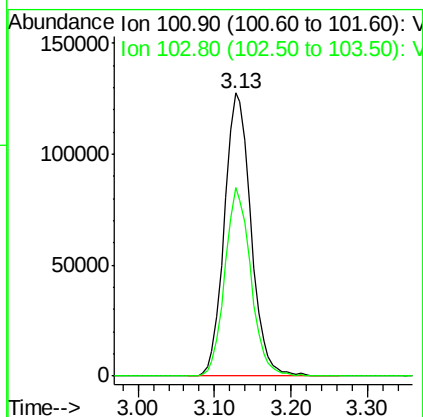
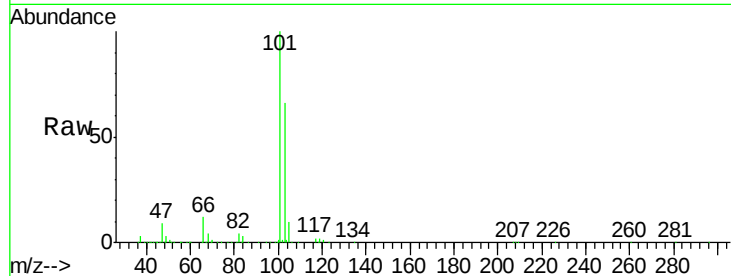
Trichlorofluoromethane
Concen: 48.649 ug/l
RT: 3.13 min Scan# 228
Delta R.T. 0.00 min
Lab File: VY003154.D
Acq: 09 Jul 2020 19:24

Instrument :
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ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.5	51.6	77.4

Manual Integrations
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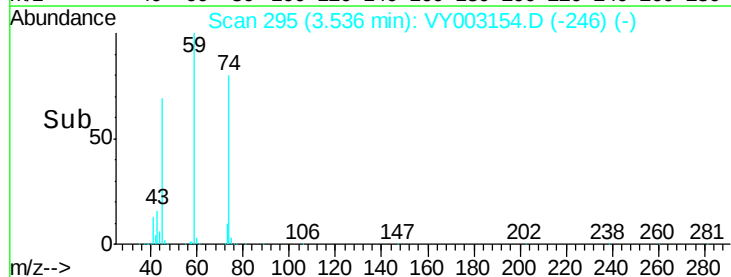
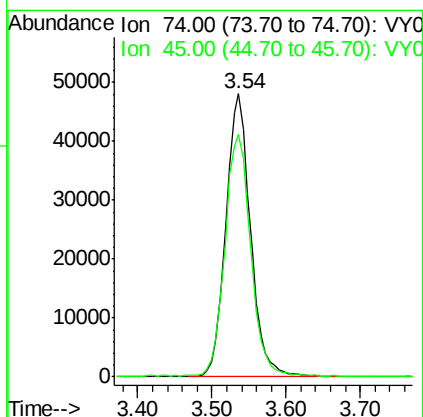
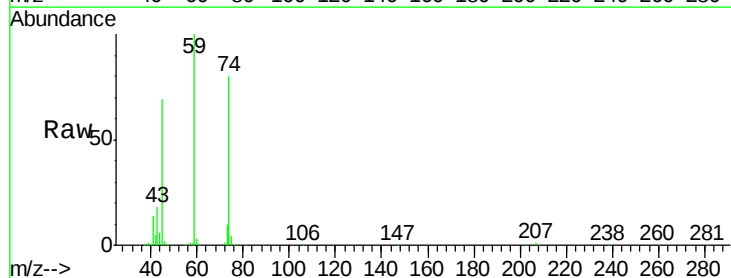
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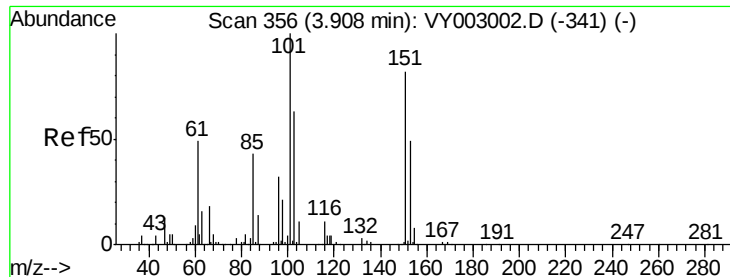


#8

Diethyl Ether
Concen: 51.543 ug/l
RT: 3.54 min Scan# 295
Delta R.T. 0.00 min
Lab File: VY003154.D
Acq: 09 Jul 2020 19:24

Tgt Ion	Ratio	Lower	Upper
74	100		
45	88.2	49.3	147.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.637 ug/l

RT: 3.91 min Scan# 356

Delta R.T. 0.00 min

Lab File: VY003154.D

Acq: 09 Jul 2020 19:24

Instrument :

MSVOA_Y

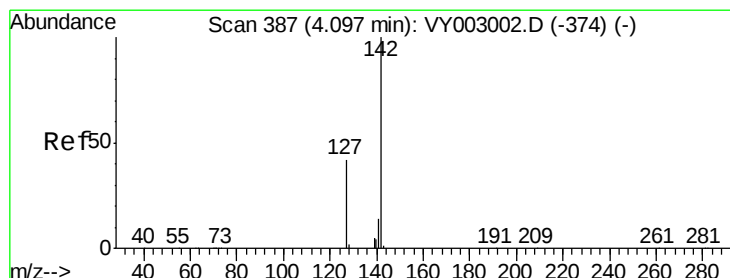
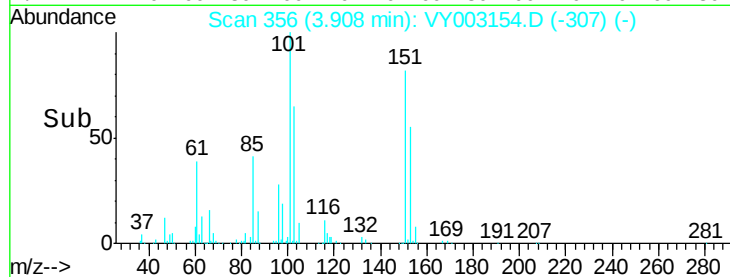
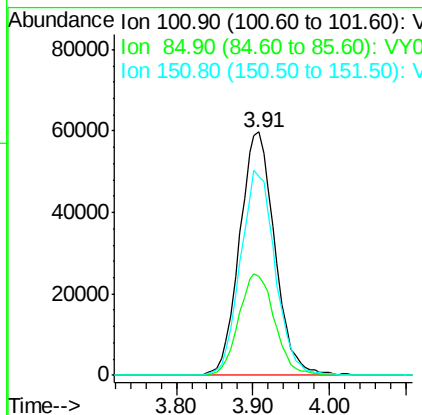
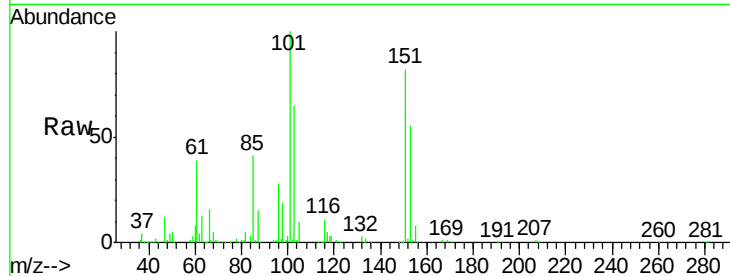
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	190737
Ion Ratio	Lower	Upper	
101	100		
85	42.7	35.5	53.3
151	83.7	65.5	98.3

Manual Integrations
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#10

Methyl Iodide

Concen: 43.344 ug/l

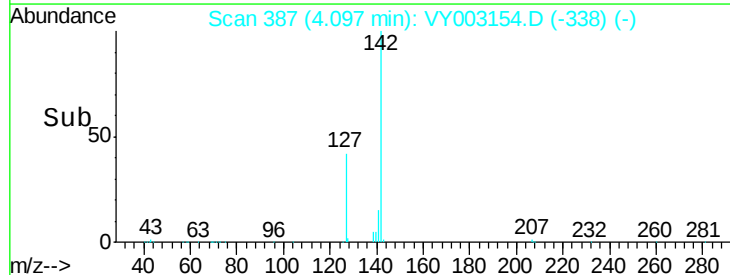
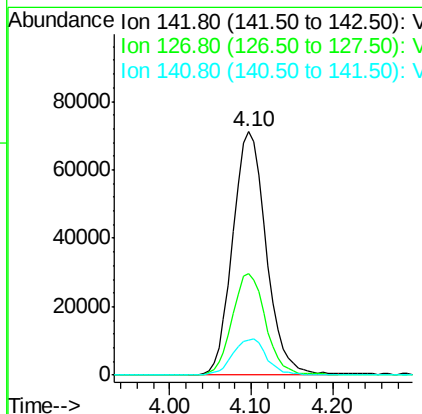
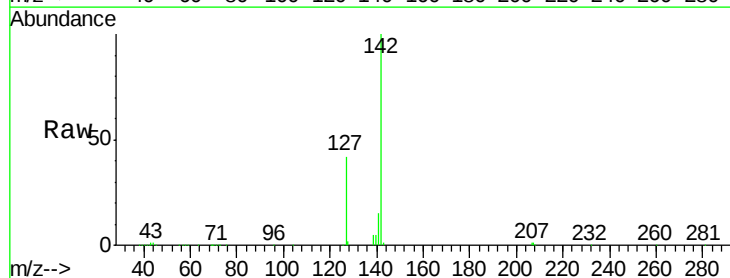
RT: 4.10 min Scan# 387

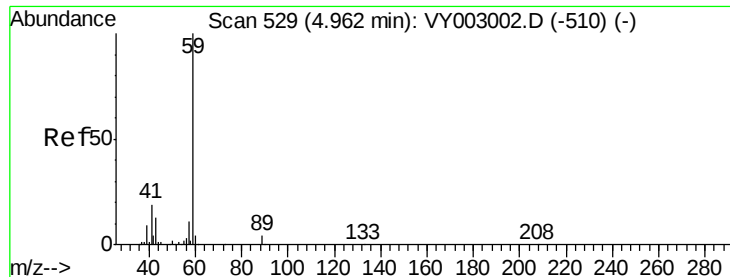
Delta R.T. 0.00 min

Lab File: VY003154.D

Acq: 09 Jul 2020 19:24

Tgt Ion:	142	Resp:	202450
Ion Ratio	Lower	Upper	
142	100		
127	41.9	34.2	51.2
141	15.1	11.7	17.5





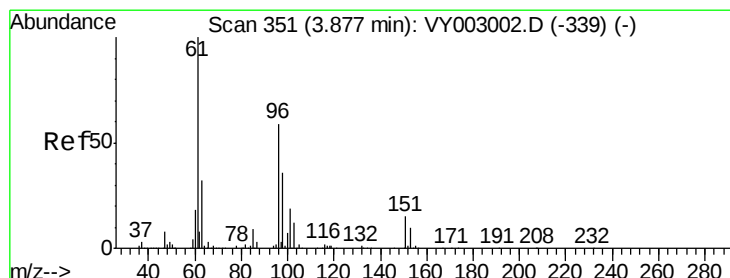
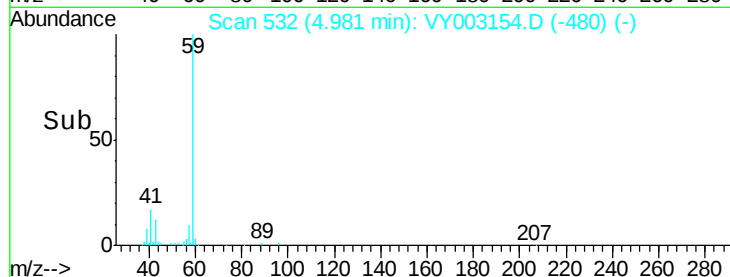
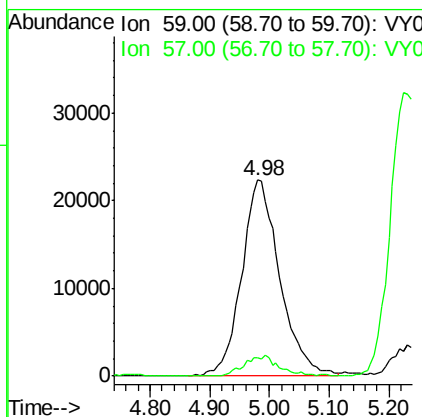
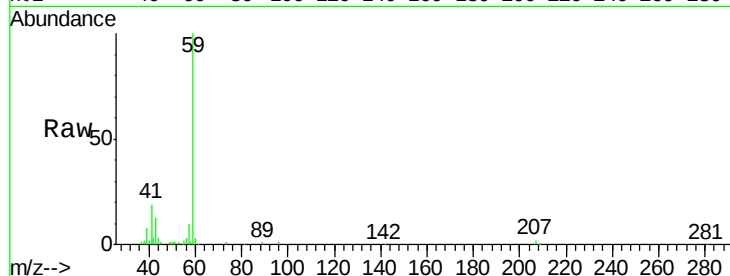
#11
Tert butyl alcohol
Concen: 237.881 ug/l
RT: 4.98 min Scan# 532
Delta R.T. 0.02 min
Lab File: VY003154.D
Acq: 09 Jul 2020 19:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.2	8.0	12.0

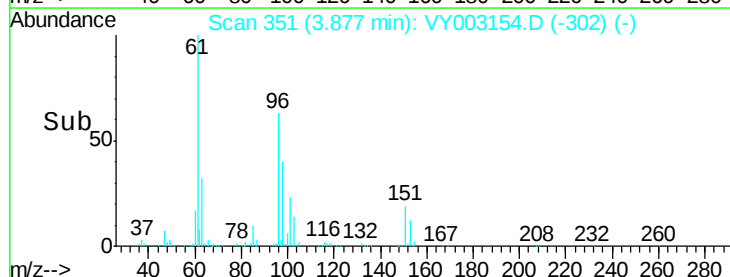
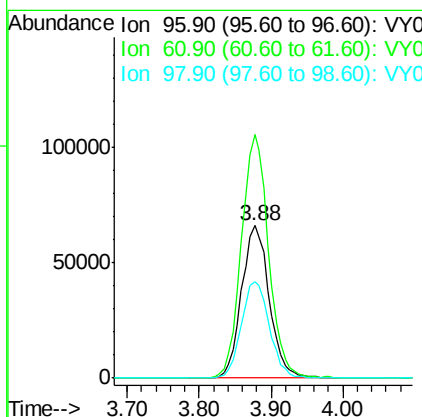
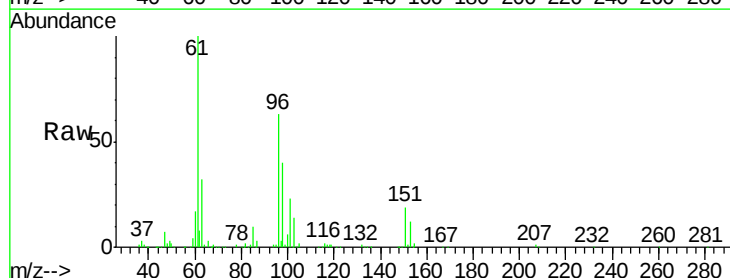
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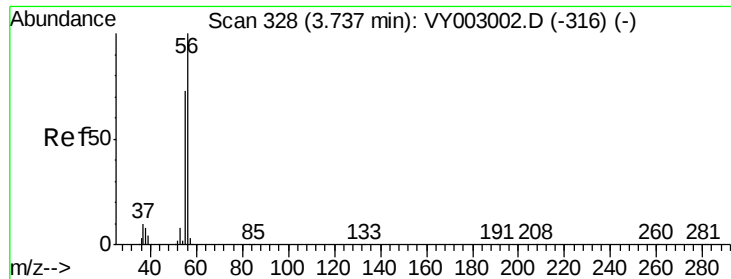
MMDadoda
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#12
1,1-Dichloroethene
Concen: 49.304 ug/l
RT: 3.88 min Scan# 351
Delta R.T. 0.00 min
Lab File: VY003154.D
Acq: 09 Jul 2020 19:24

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.6	136.7	205.1
98	63.2	49.7	74.5





#13

Acrolein

Concen: 154.726 ug/l

RT: 3.74 min Scan# 328

Delta R.T. 0.00 min

Lab File: VY003154.D

Acq: 09 Jul 2020 19:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 58117

Ion Ratio Lower Upper

56 100

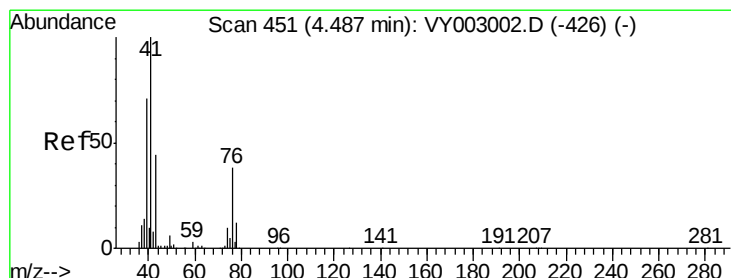
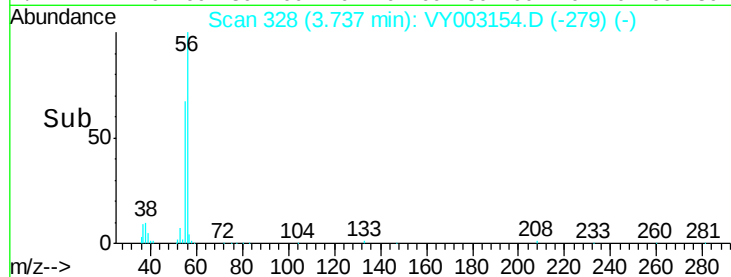
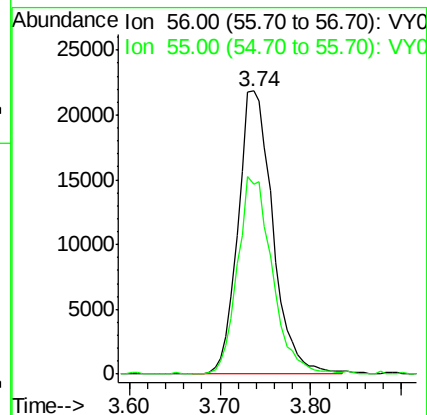
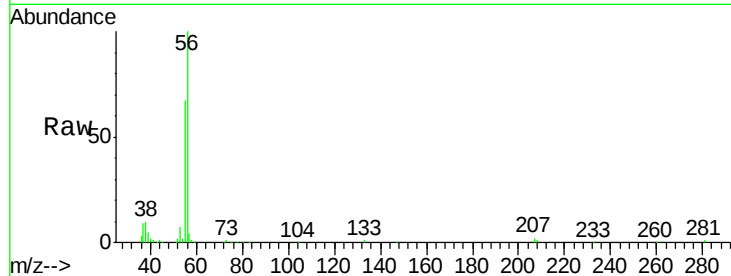
55 69.8 56.4 84.6

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#14

Allyl chloride

Concen: 43.191 ug/l

RT: 4.49 min Scan# 451

Delta R.T. 0.00 min

Lab File: VY003154.D

Acq: 09 Jul 2020 19:24

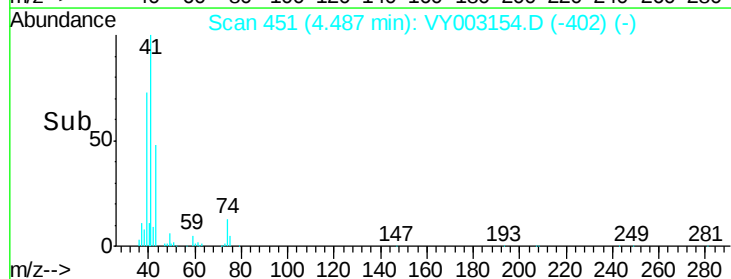
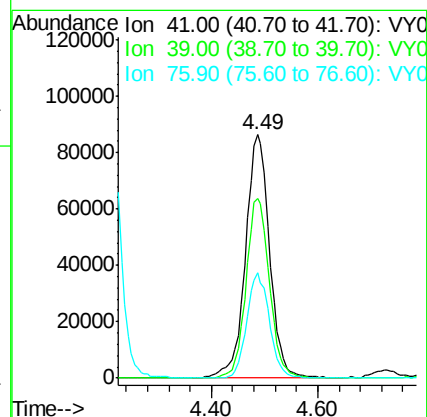
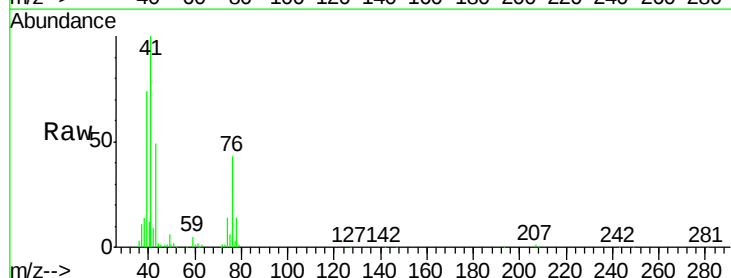
Tgt Ion: 41 Resp: 270264

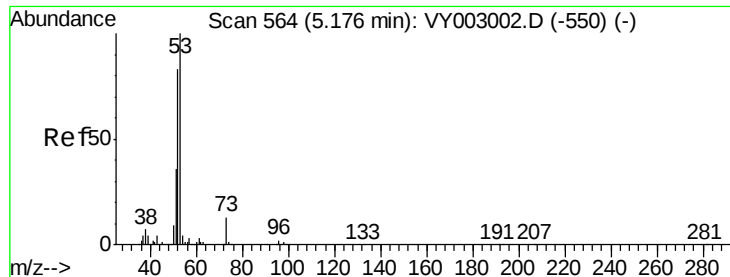
Ion Ratio Lower Upper

41 100

39 71.6 55.6 83.4

76 40.3 28.6 43.0





#15

Acrylonitrile

Concen: 246.036 ug/l

RT: 5.18 min Scan# 564

Delta R.T. 0.00 min

Lab File: VY003154.D

Acq: 09 Jul 2020 19:24

Instrument :

MSVOA_Y

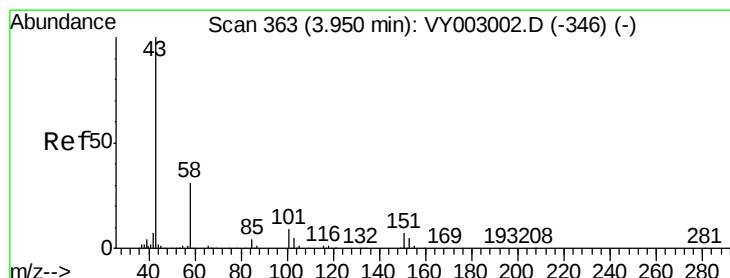
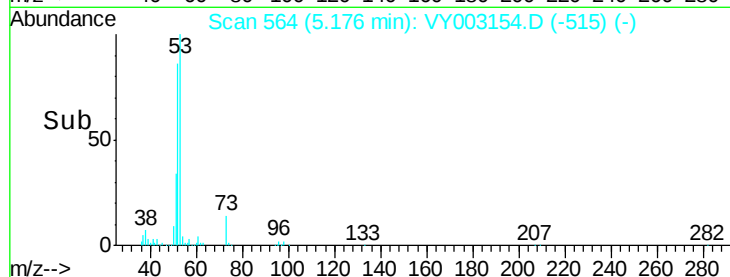
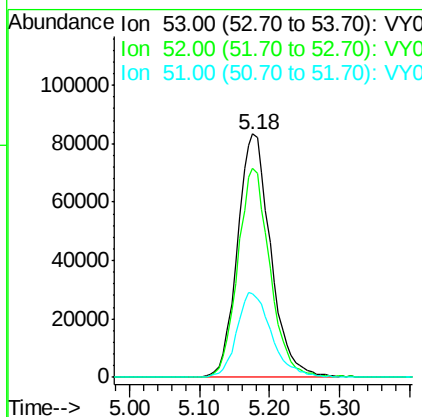
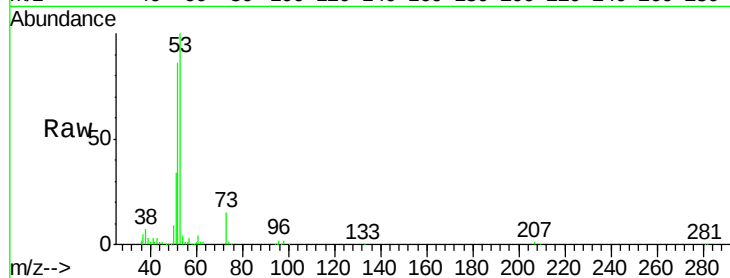
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	274232
Ion	Ratio	Lower	Upper
53	100		
52	83.6	66.2	99.2
51	36.5	29.5	44.3

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#16

Acetone

Concen: 217.152 ug/l

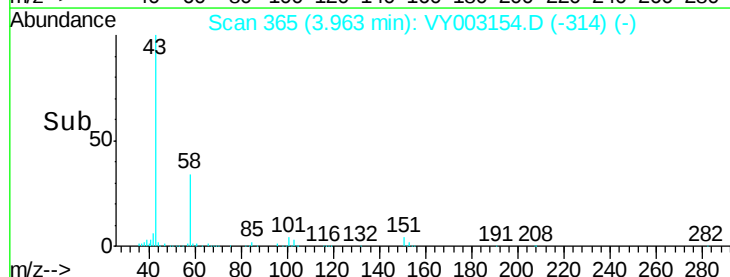
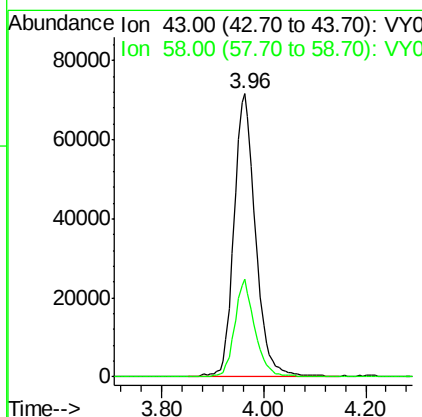
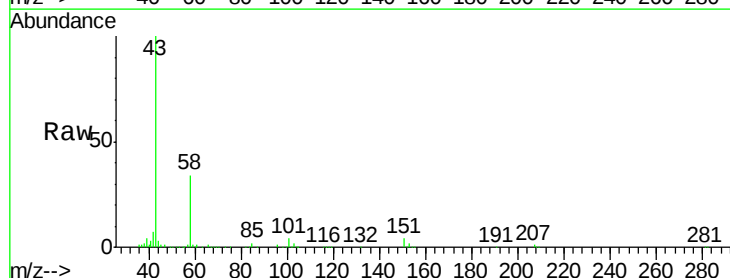
RT: 3.96 min Scan# 365

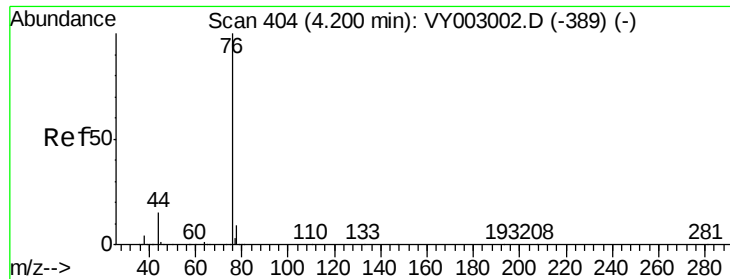
Delta R.T. 0.01 min

Lab File: VY003154.D

Acq: 09 Jul 2020 19:24

Tgt Ion:	43	Resp:	210167
Ion	Ratio	Lower	Upper
43	100		
58	34.2	24.7	37.1





#17

Carbon Disulfide

Concen: 43.280 ug/l

RT: 4.20 min Scan# 404

Delta R.T. 0.00 min

Lab File: VY003154.D

Acq: 09 Jul 2020 19:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 495599

Ion Ratio Lower Upper

76 100

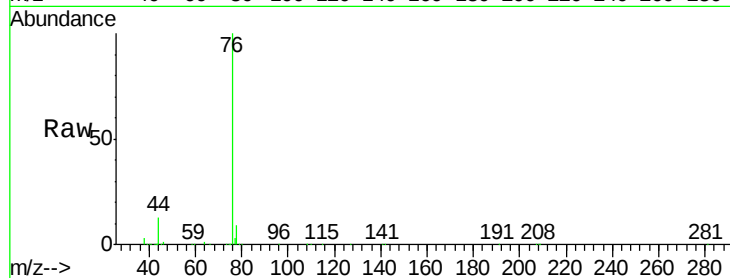
78 9.4 7.0 10.6

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Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0

4.20

200000

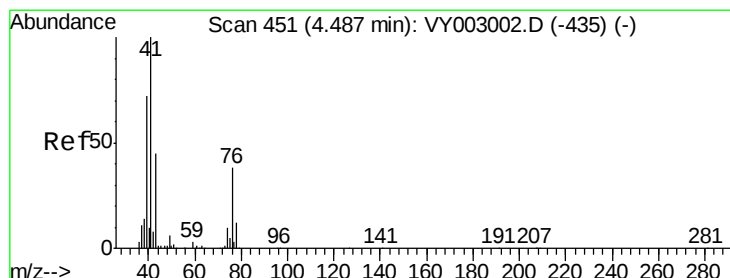
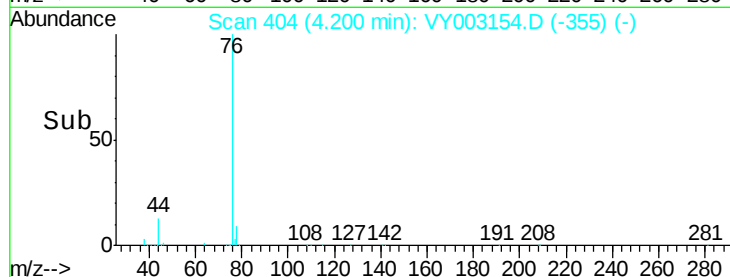
150000

100000

50000

0

Time--> 4.00 4.10 4.20 4.30 4.40



#18

Methyl Acetate

Concen: 49.834 ug/l

RT: 4.48 min Scan# 450

Delta R.T. -0.01 min

Lab File: VY003154.D

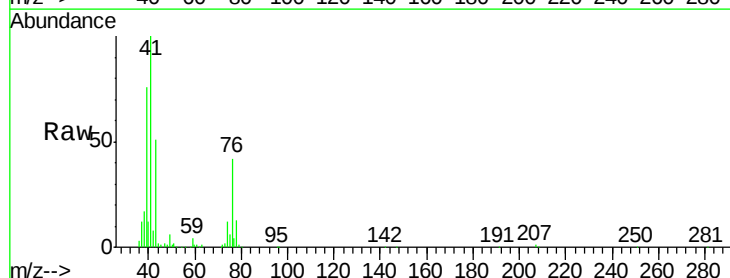
Acq: 09 Jul 2020 19:24

Tgt Ion: 43 Resp: 129941

Ion Ratio Lower Upper

43 100

74 26.0 18.2 27.4



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0

4.48

50000

40000

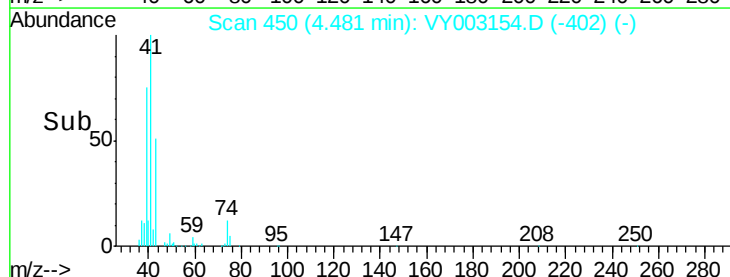
30000

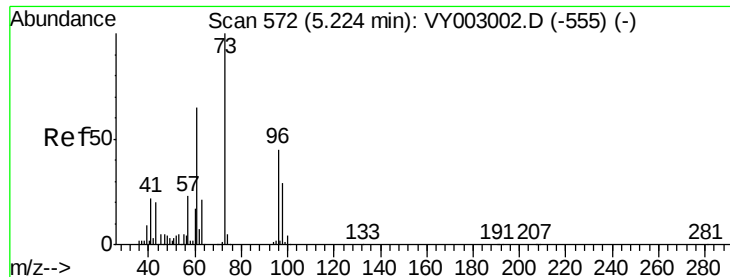
20000

10000

0

Time--> 4.40 4.50 4.60





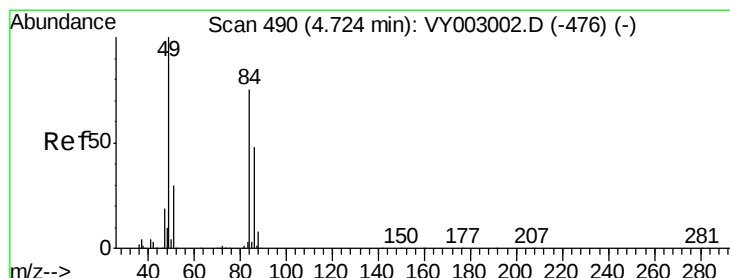
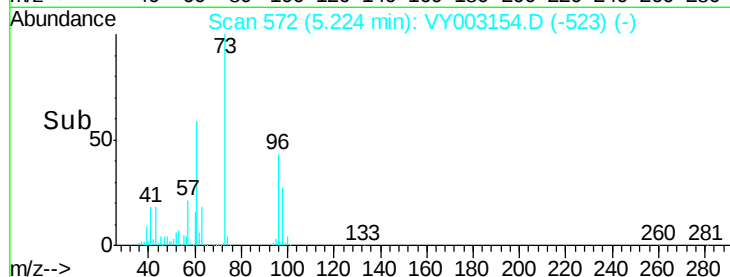
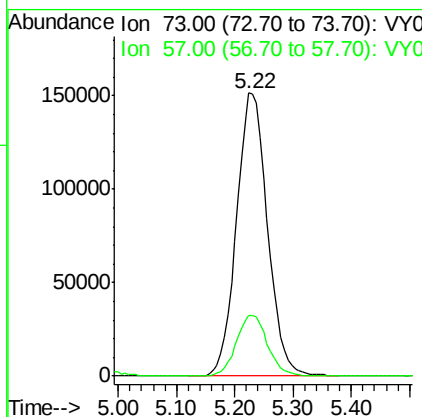
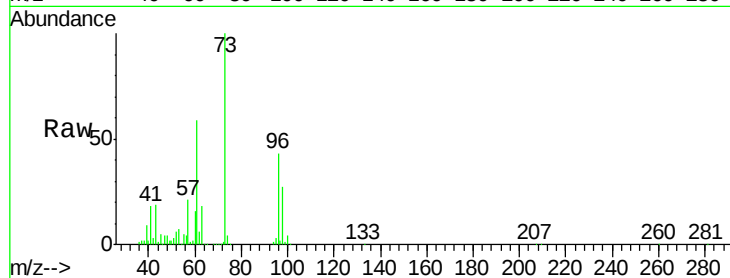
#19
Methvl tert-butvl Ether
Concen: 53.538 ug/l
RT: 5.22 min Scan# 572
Delta R.T. 0.00 min
Lab File: VY003154.D
Acq: 09 Jul 2020 19:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.3	18.2	27.2

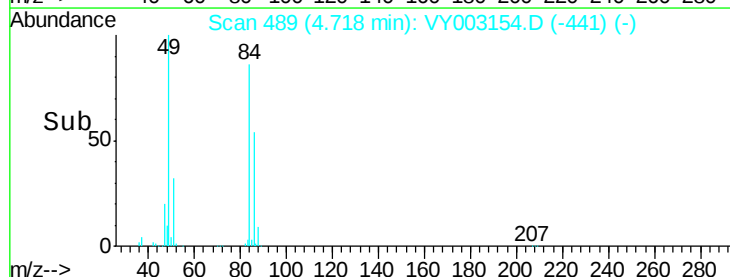
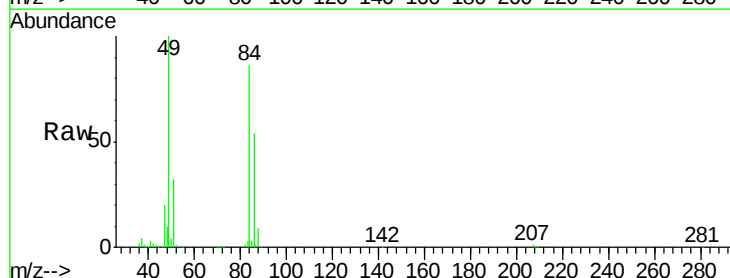
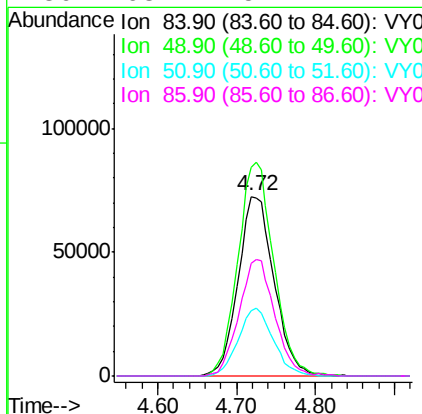
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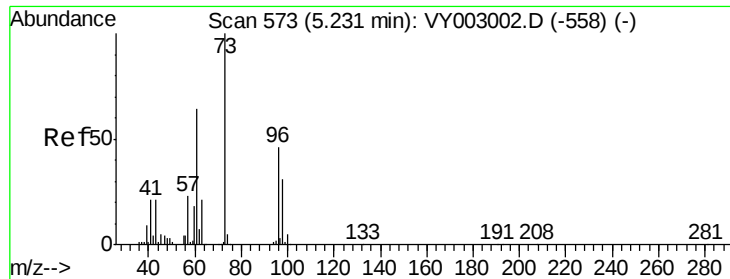
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#20
Methylene Chloride
Concen: 53.764 ug/l
RT: 4.72 min Scan# 489
Delta R.T. -0.01 min
Lab File: VY003154.D
Acq: 09 Jul 2020 19:24

Tgt Ion	Ratio	Lower	Upper
84	100		
49	116.2	106.8	160.2
51	36.6	32.0	48.0
86	63.1	51.4	77.2





#21

trans-1,2-Dichloroethene

Concen: 50.150 ug/l

RT: 5.22 min Scan# 572

Delta R.T. -0.01 min

Lab File: VY003154.D

Acq: 09 Jul 2020 19:24

Instrument :

MSVOA_Y

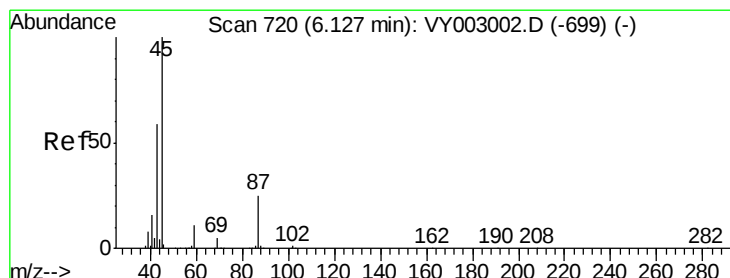
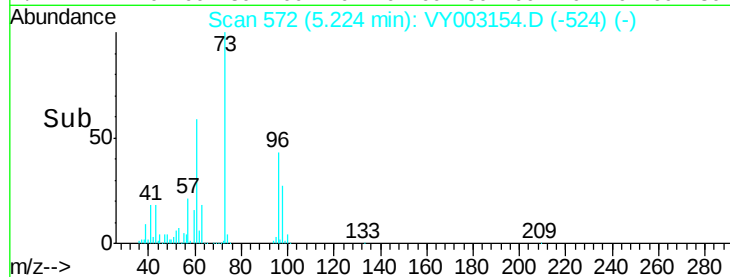
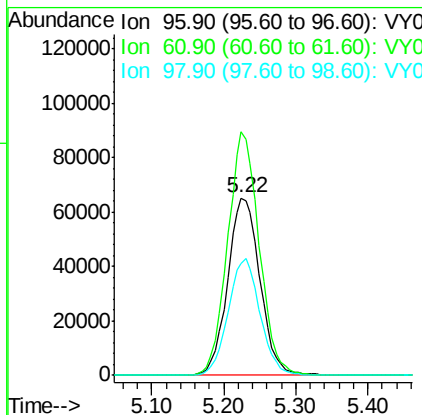
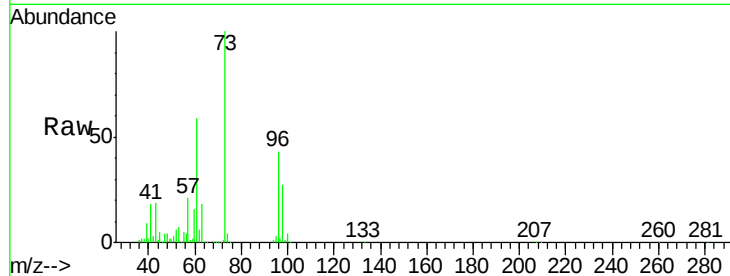
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	203306
Ion Ratio	Lower	Upper	
96	100		
61	137.2	112.3	168.5
98	63.1	53.8	80.8

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#22

Diisopropyl ether

Concen: 48.060 ug/l

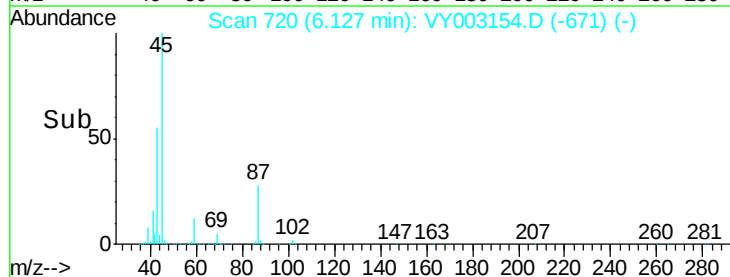
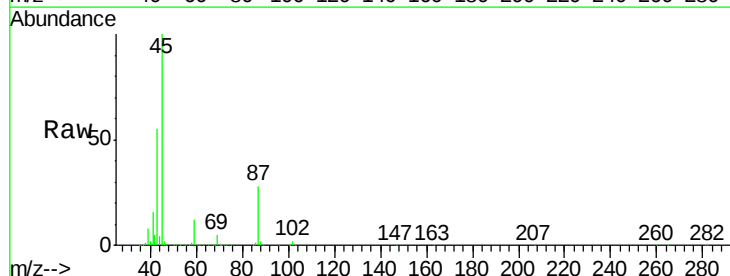
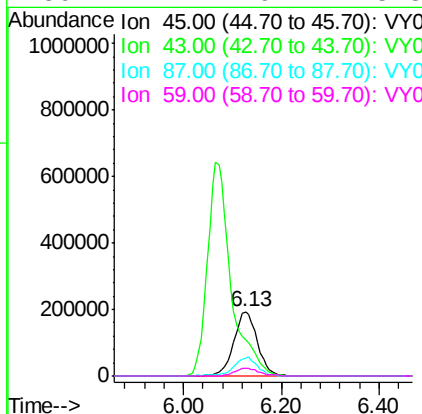
RT: 6.13 min Scan# 720

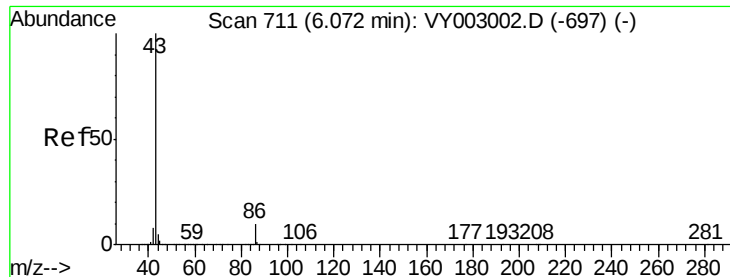
Delta R.T. 0.00 min

Lab File: VY003154.D

Acq: 09 Jul 2020 19:24

Tgt Ion:	45	Resp:	644563
Ion Ratio	Lower	Upper	
45	100		
43	55.1	47.4	71.2
87	28.1	20.2	30.2
59	11.7	9.2	13.8





#23

Vinyl Acetate

Concen: 239.243 ug/l

RT: 6.07 min Scan# 710

Delta R.T. -0.01 min

Lab File: VY003154.D

Acq: 09 Jul 2020 19:24

Tot Ion: 43 Resp: 2145206

Ion Ratio Lower Upper

43 100

86 11.2 8.1 12.1

Instrument :

MSVOA_Y

ClientSampleId :

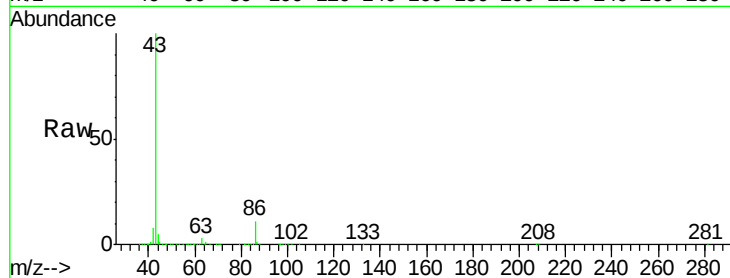
VSTDCCC050EC

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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

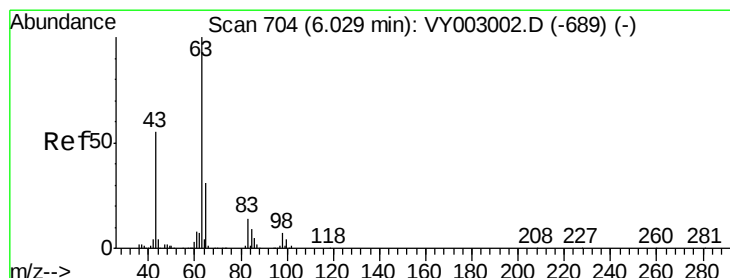
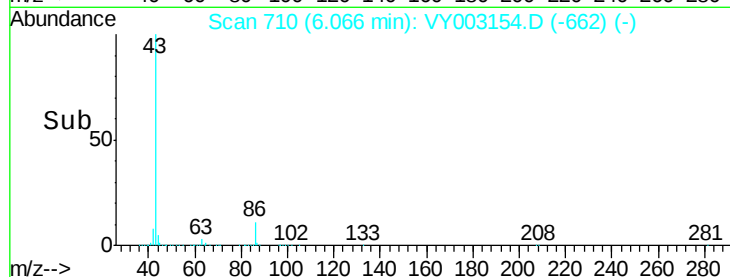
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 49.613 ug/l

RT: 6.03 min Scan# 704

Delta R.T. 0.00 min

Lab File: VY003154.D

Acq: 09 Jul 2020 19:24

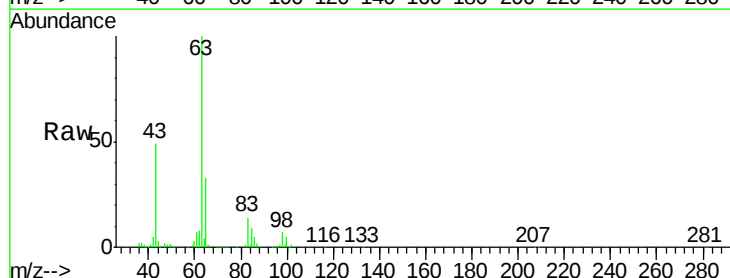
Tgt Ion: 63 Resp: 363474

Ion Ratio Lower Upper

63 100

98 7.1 3.4 10.1

100 4.7 2.3 6.8



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0

6.03

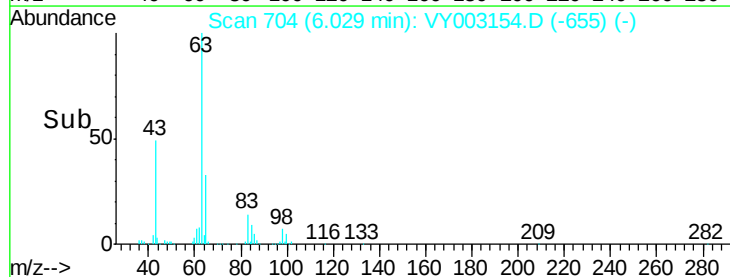
150000

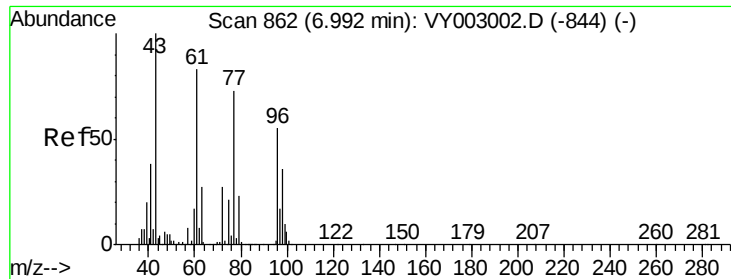
100000

50000

0

Time-->





#25

2-Butanone

Concen: 240.512 ug/l

RT: 7.00 min Scan# 863

Delta R.T. 0.01 min

Lab File: VY003154.D

Acq: 09 Jul 2020 19:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 369766

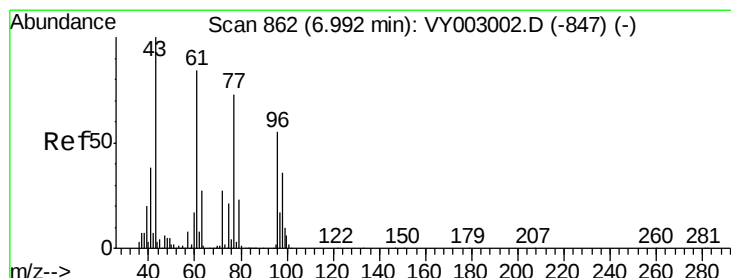
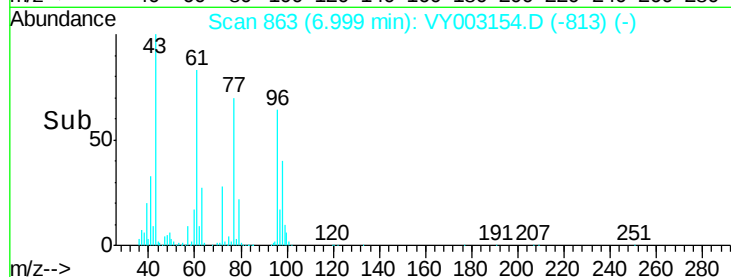
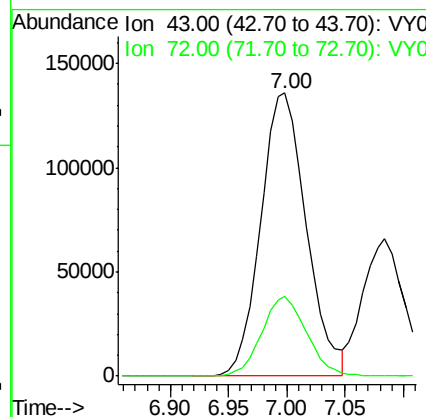
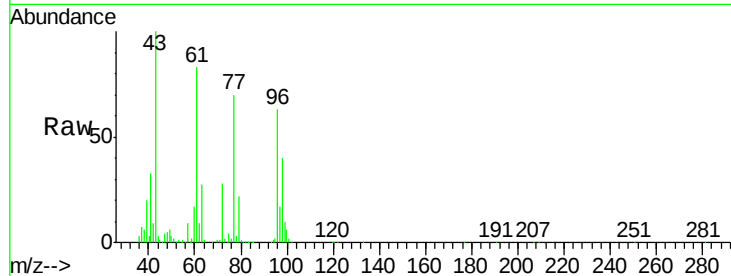
Ion Ratio Lower Upper

43 100

72 28.2 21.4 32.0

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 47.208 ug/l

RT: 6.99 min Scan# 861

Delta R.T. -0.01 min

Lab File: VY003154.D

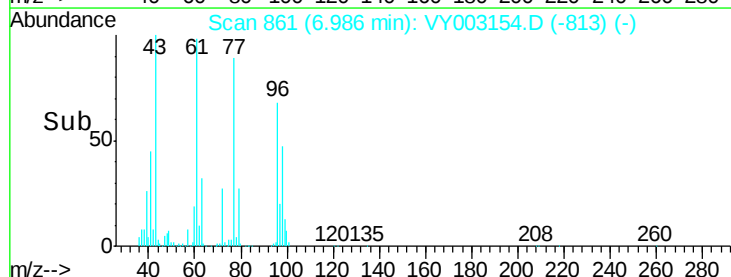
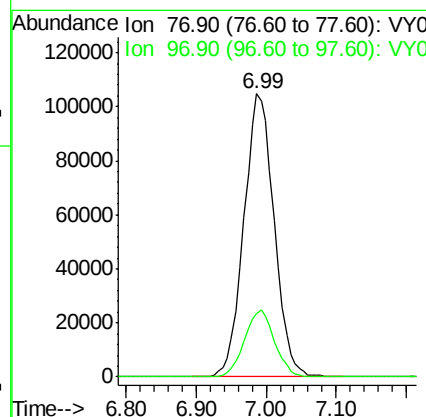
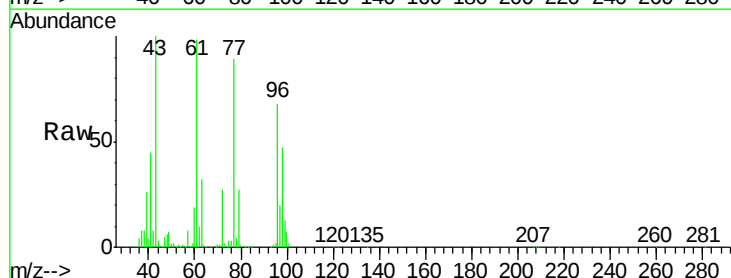
Acq: 09 Jul 2020 19:24

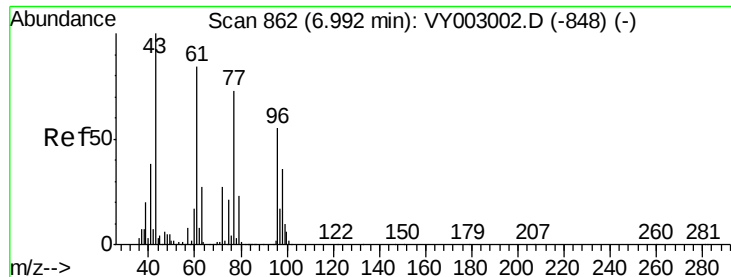
Tgt Ion: 77 Resp: 314227

Ion Ratio Lower Upper

77 100

97 23.4 11.3 33.9





#27

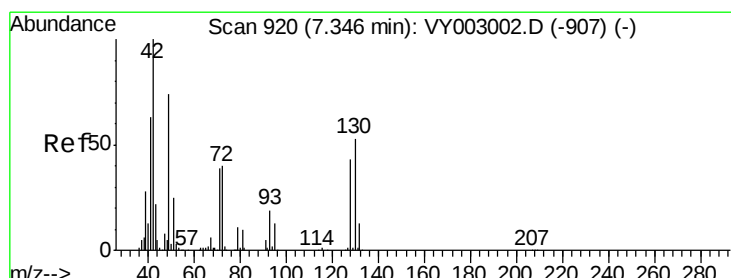
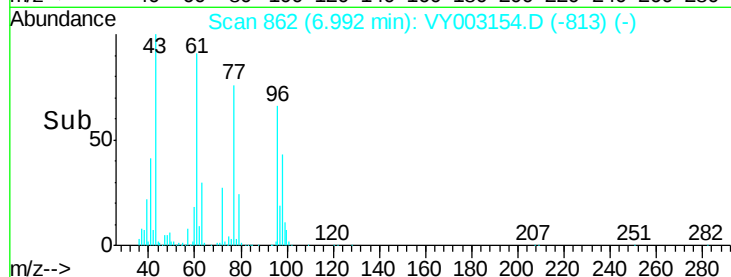
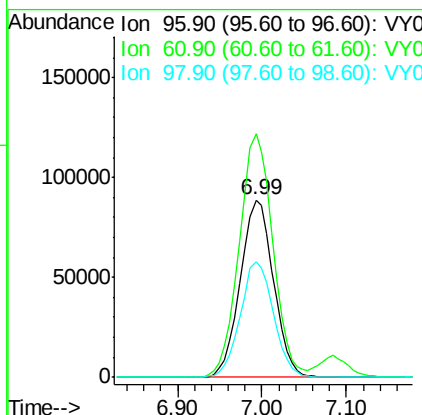
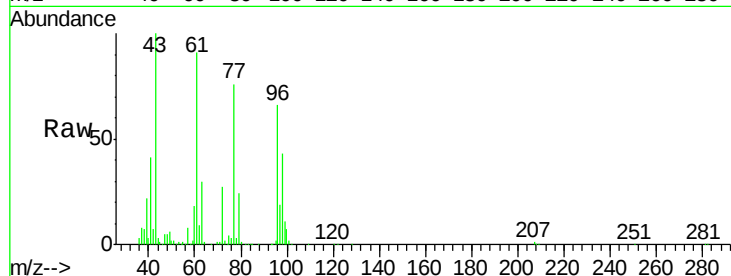
cis-1,2-Dichloroethene
Concen: 51.883 ug/l
RT: 6.99 min Scan# 862
Delta R.T. 0.00 min
Lab File: VY003154.D
Acq: 09 Jul 2020 19:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	235915		
61	139.6	0.0	301.2	
98	65.4	0.0	129.0	

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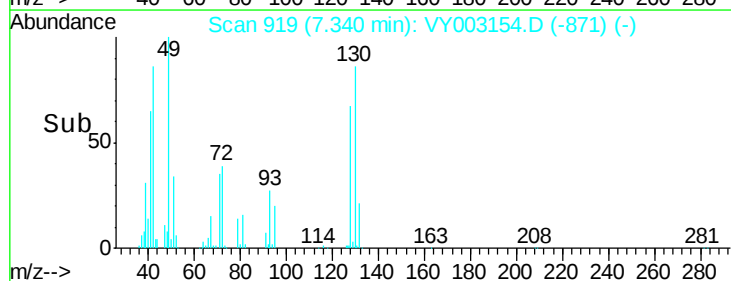
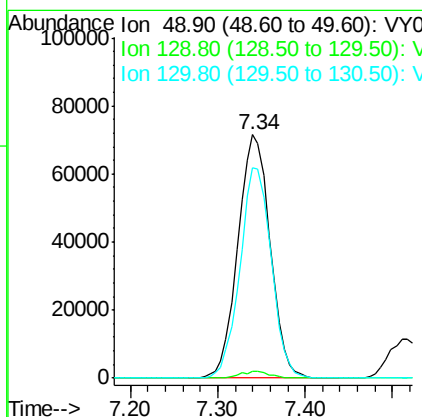
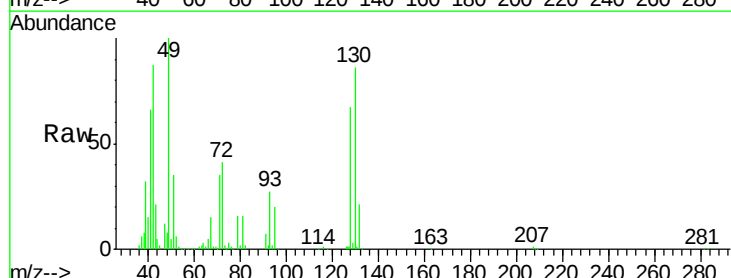
MMDadoda
7/10/2020 12:18:38 PM

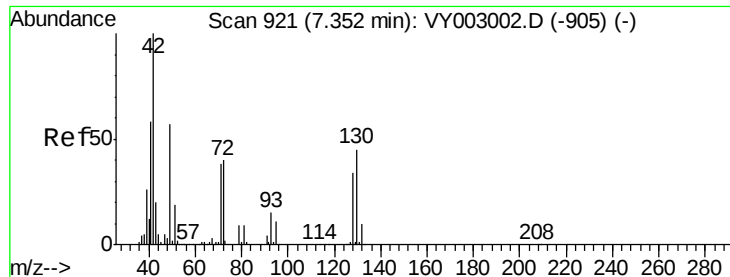


#28

Bromochloromethane
Concen: 56.095 ug/l
RT: 7.34 min Scan# 919
Delta R.T. -0.01 min
Lab File: VY003154.D
Acq: 09 Jul 2020 19:24

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	182857		
129	2.6	0.0	4.4	
130	84.4	57.0	85.6	





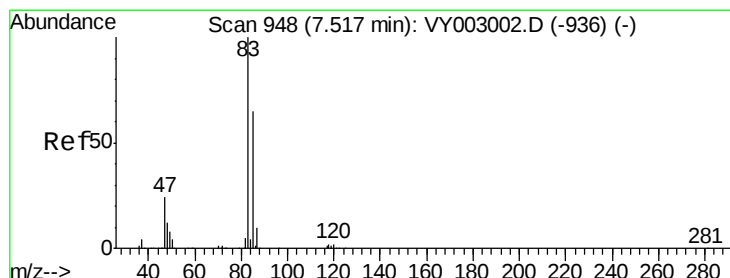
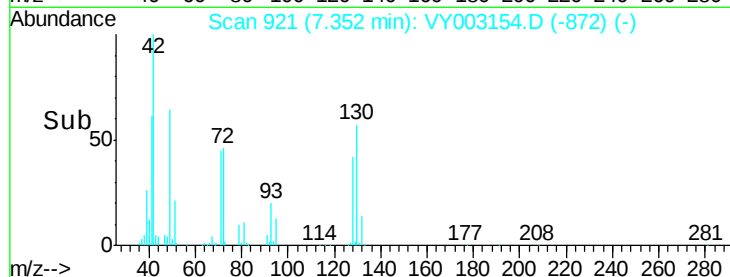
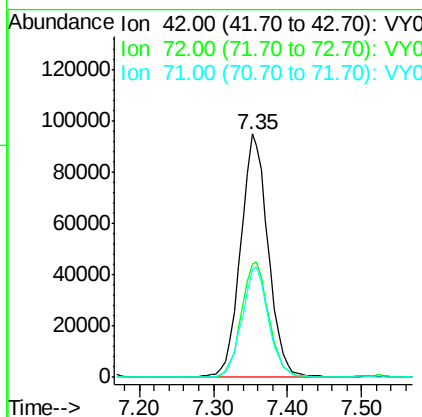
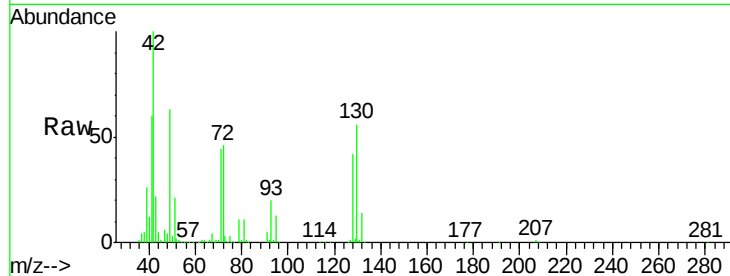
#29
Tetrahydrofuran
Concen: 240.014 ug/l
RT: 7.35 min Scan# 921
Delta R.T. 0.00 min
Lab File: VY003154.D
Acq: 09 Jul 2020 19:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.3	32.9	49.3
71	44.0	31.2	46.8

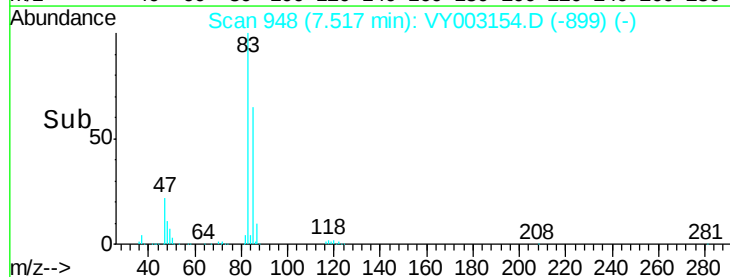
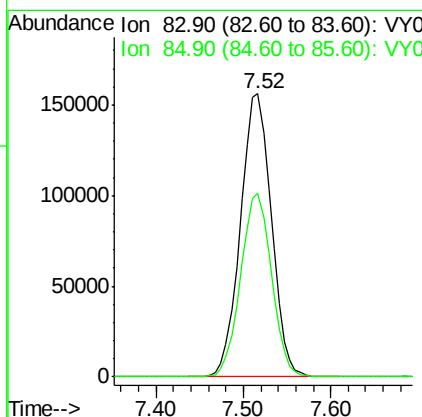
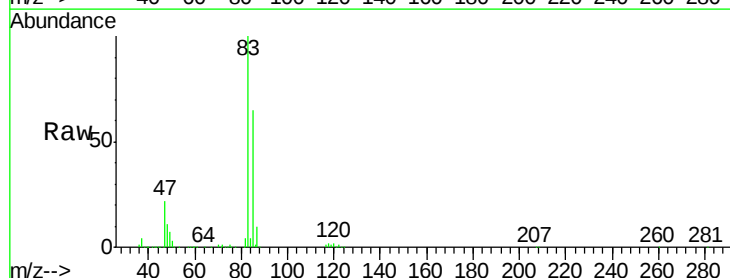
Manual Integrations
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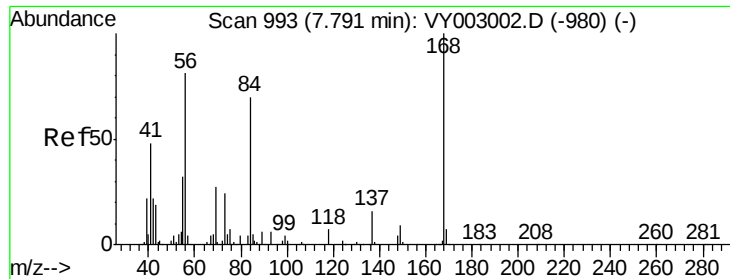
MMDadoda
7/10/2020 12:18:38 PM



#30
Chloroform
Concen: 52.928 ug/l
RT: 7.52 min Scan# 948
Delta R.T. 0.00 min
Lab File: VY003154.D
Acq: 09 Jul 2020 19:24

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.7	77.5





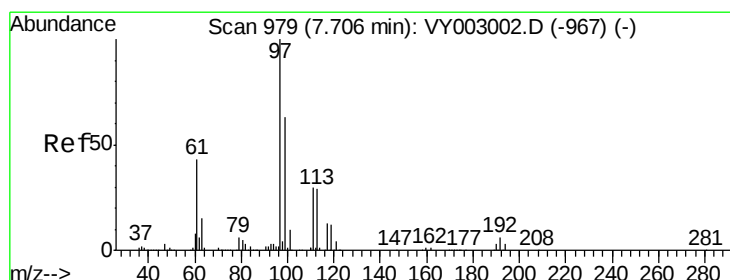
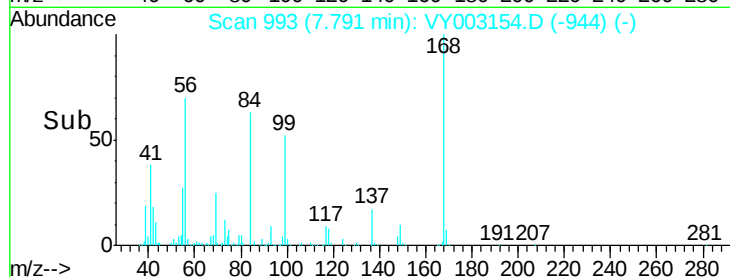
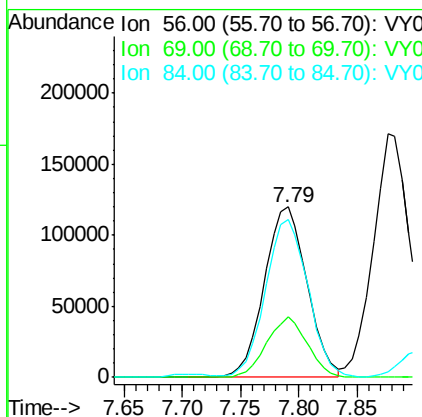
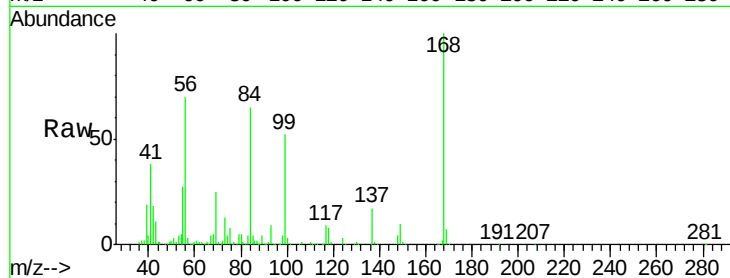
#31
Cyclohexane
Concen: 42.148 ug/l
RT: 7.79 min Scan# 993
Delta R.T. 0.00 min
Lab File: VY003154.D
Acq: 09 Jul 2020 19:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	35.2	27.0	40.4	
84	90.8	68.1	102.1	

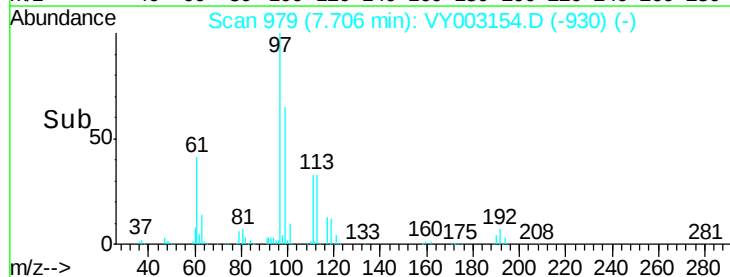
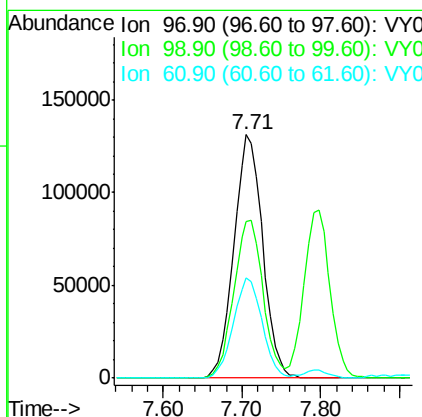
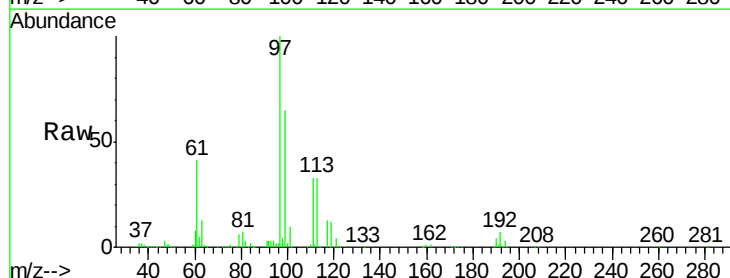
Manual Integrations
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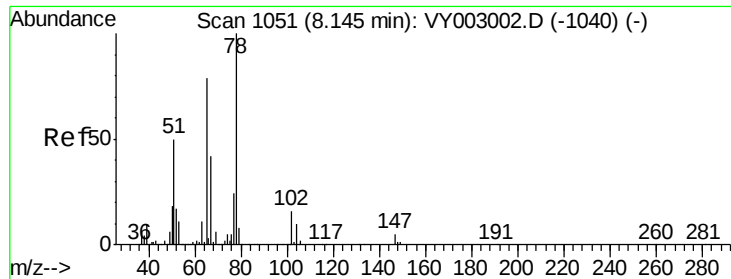
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 50.279 ug/l
RT: 7.71 min Scan# 979
Delta R.T. 0.00 min
Lab File: VY003154.D
Acq: 09 Jul 2020 19:24

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	66.2	51.4	77.2	
61	41.0	33.9	50.9	





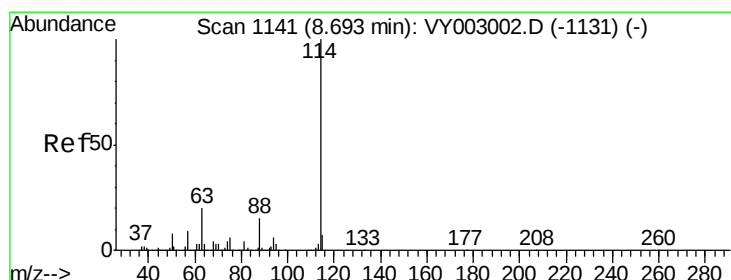
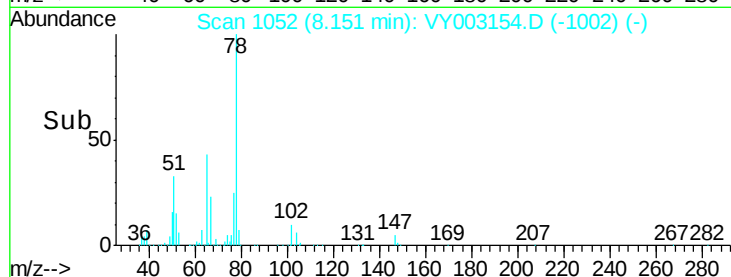
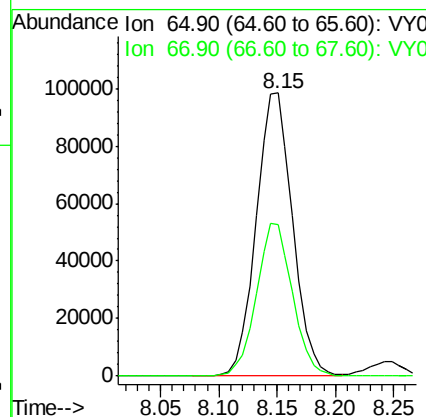
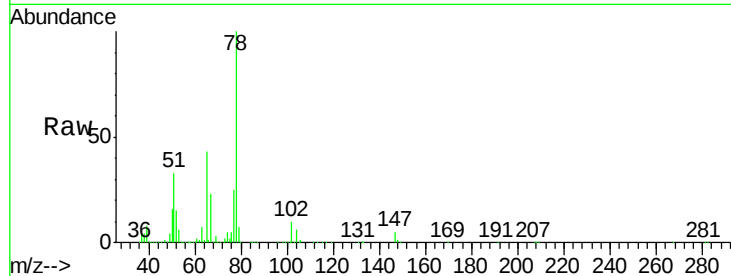
#33
 1,2-Dichloroethane-d4
 Concen: 52.377 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. 0.01 min
 Lab File: VY003154.D
 Acq: 09 Jul 2020 19:24

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.4	0.0	105.6

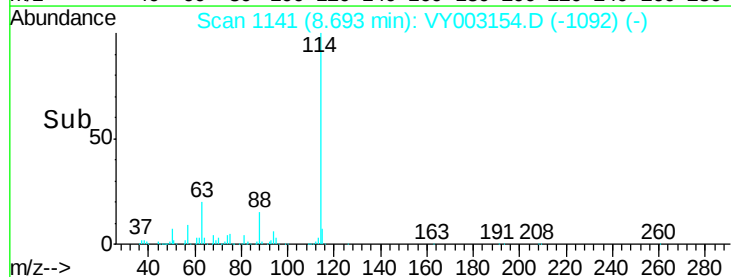
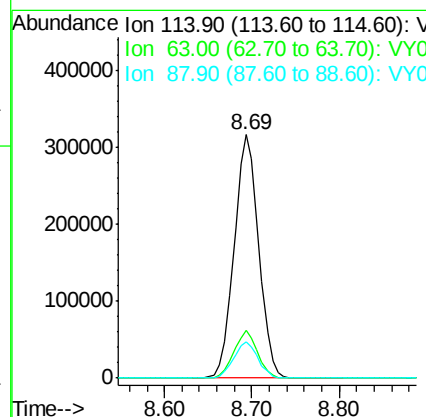
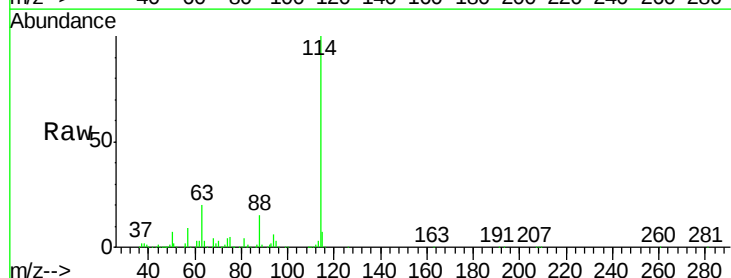
Manual Integrations
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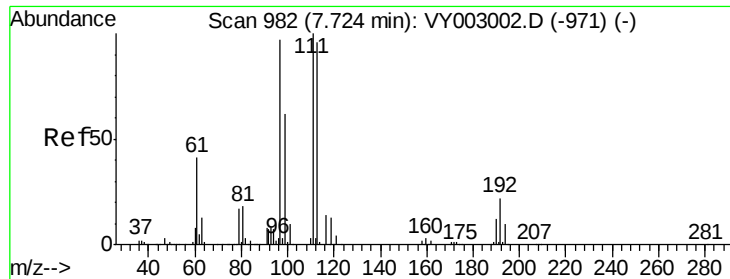
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 7/10/2020 12:18:38 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: VY003154.D
 Acq: 09 Jul 2020 19:24

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	40.6
88	15.0	0.0	30.0





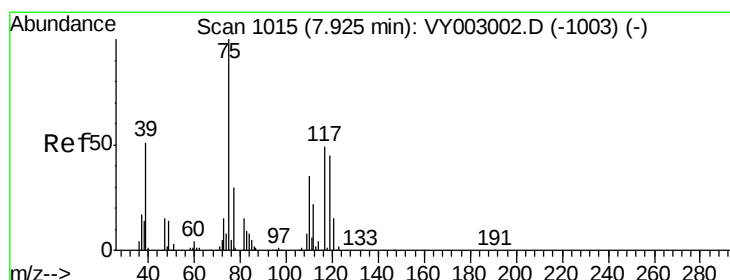
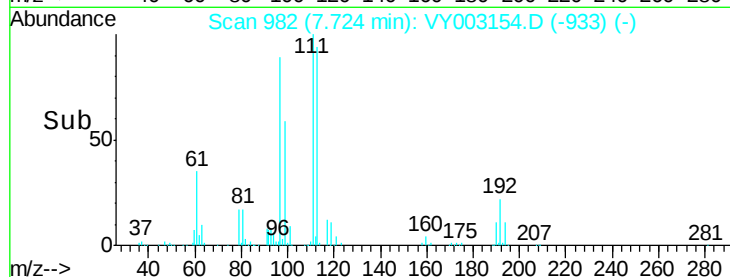
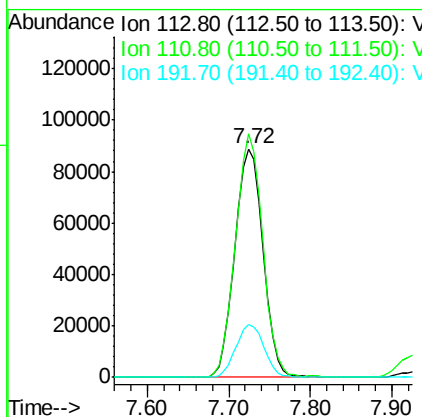
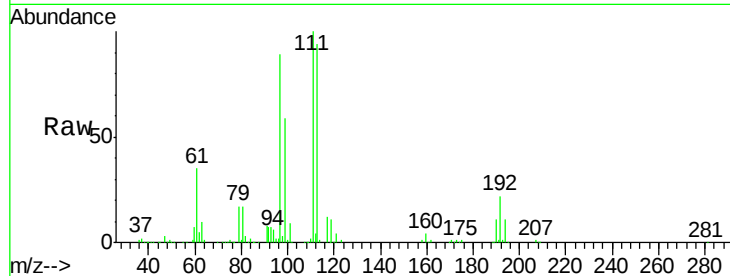
#35
 Dibromofluoromethane
 Concen: 55.413 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: VY003154.D
 Acq: 09 Jul 2020 19:24

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	212534		
111	102.9	82.6	123.8	
192	23.1	18.1	27.1	

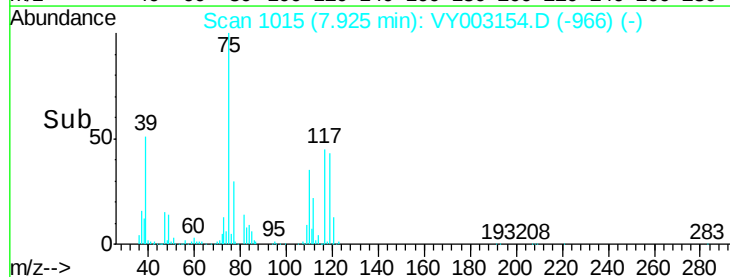
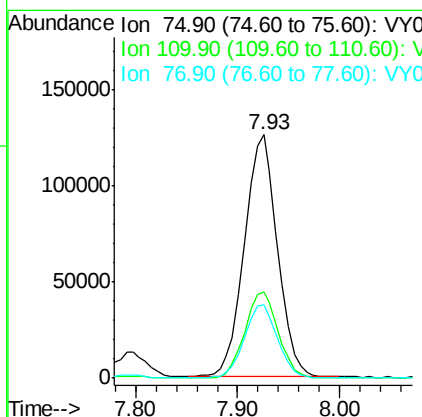
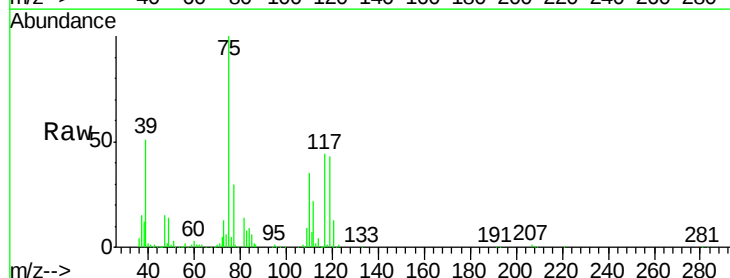
Manual Integrations
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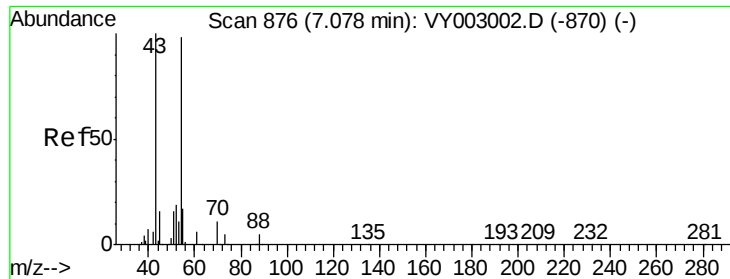
MMDadoda
 7/10/2020 12:18:38 PM



#36
 1,1-Dichloropropene
 Concen: 48.088 ug/l
 RT: 7.93 min Scan# 1015
 Delta R.T. 0.00 min
 Lab File: VY003154.D
 Acq: 09 Jul 2020 19:24

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	284797		
110	35.8	17.1	51.2	
77	30.8	24.9	37.3	





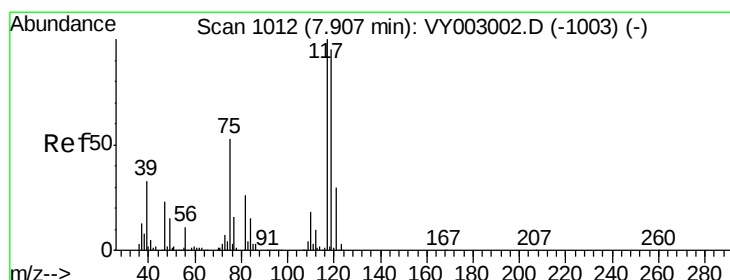
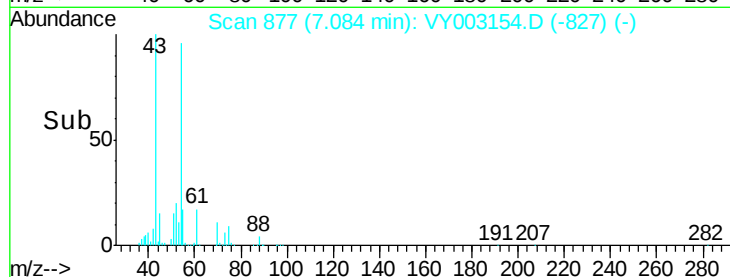
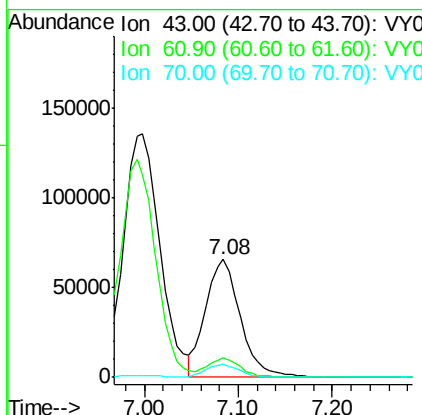
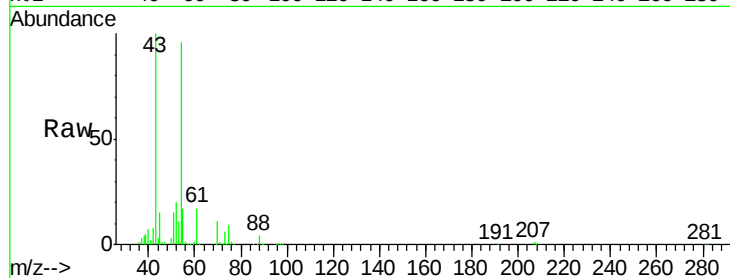
#37
Ethyl Acetate
Concen: 47.274 ug/l
RT: 7.08 min Scan# 877
Delta R.T. 0.01 min
Lab File: VY003154.D
Acq: 09 Jul 2020 19:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.1	10.4	15.6
70	11.0	7.7	11.5

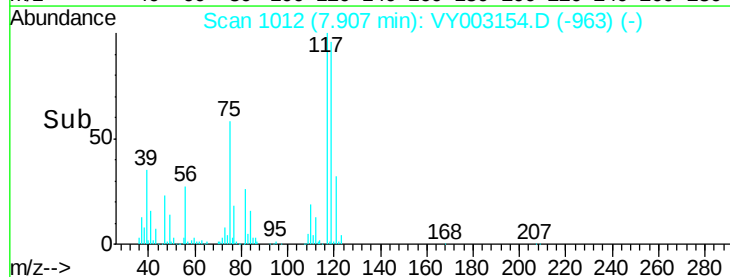
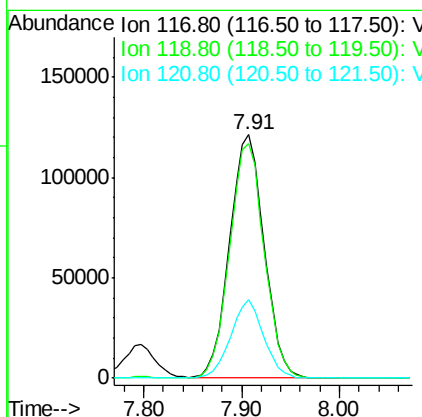
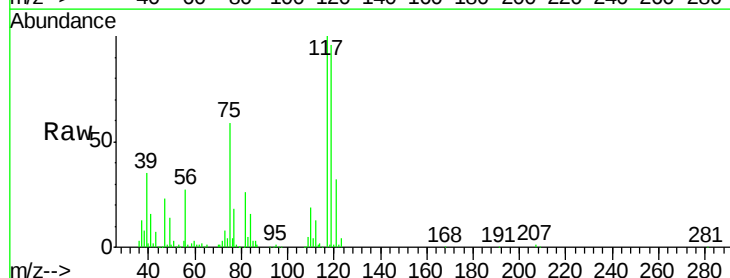
Manual Integrations
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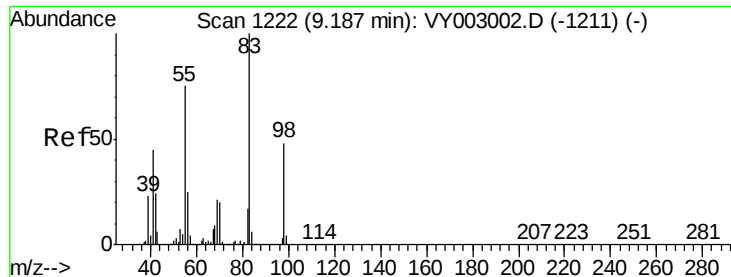
MMDadoda
7/10/2020 12:18:38 PM



#38
Carbon Tetrachloride
Concen: 48.260 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VY003154.D
Acq: 09 Jul 2020 19:24

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.2	75.7	113.5
121	32.1	23.9	35.9





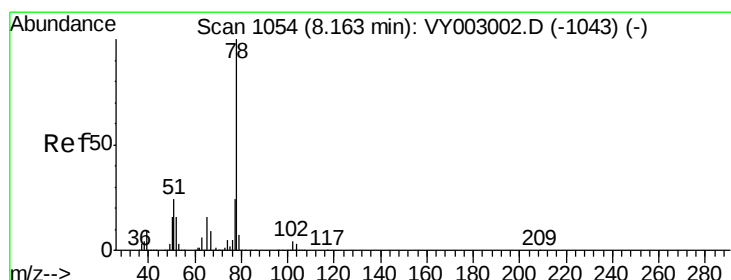
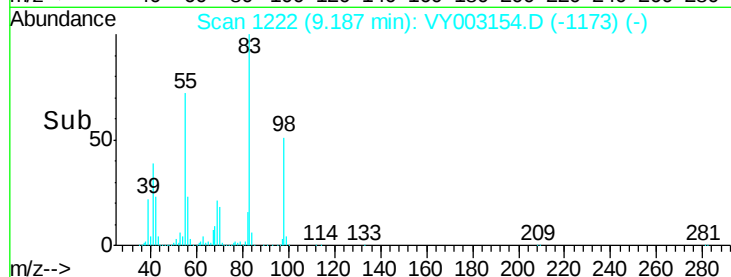
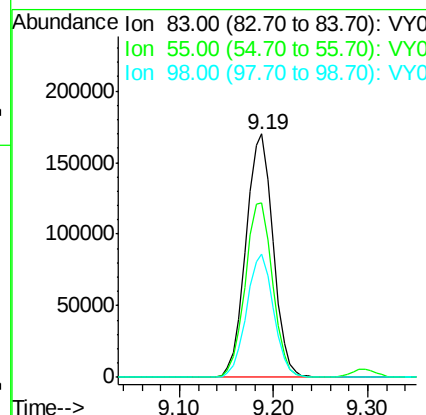
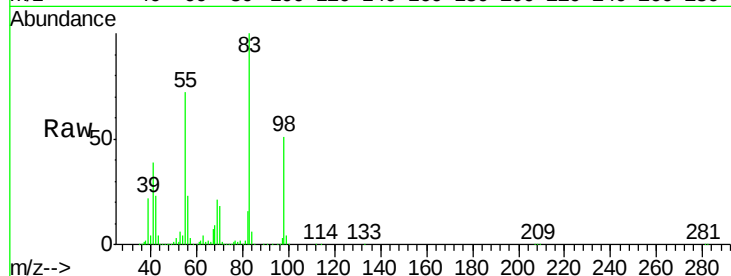
#39
Methvlcvclohexane
Concen: 46.906 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. 0.00 min
Lab File: VY003154.D
Acq: 09 Jul 2020 19:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.8	59.9	89.9
98	50.7	38.7	58.1

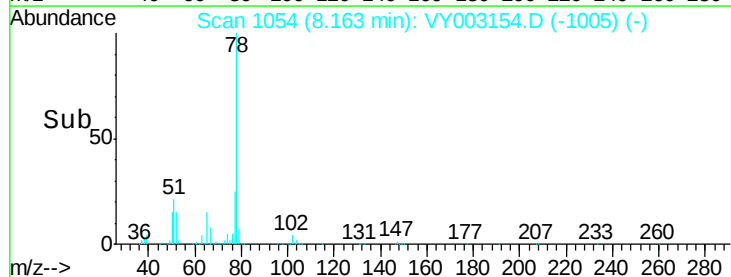
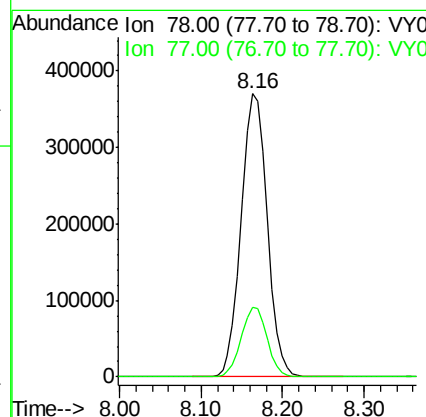
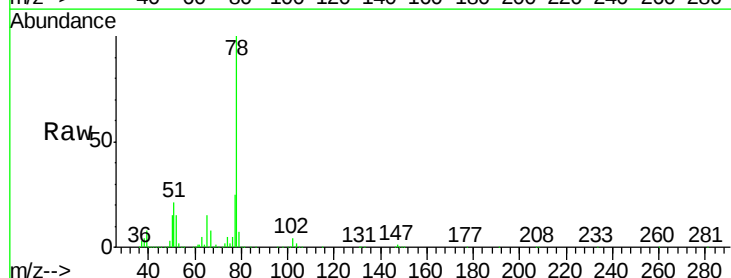
Manual Integrations
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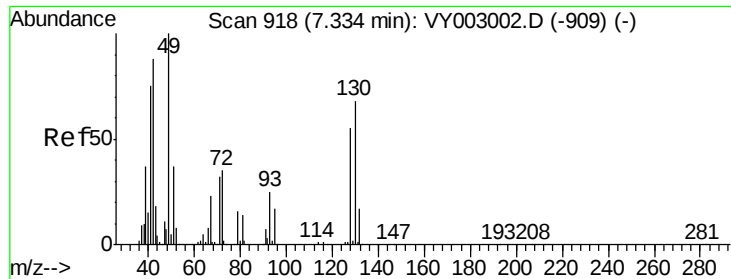
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#40
Benzene
Concen: 50.336 ug/l
RT: 8.16 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VY003154.D
Acq: 09 Jul 2020 19:24

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.7	19.2	28.8





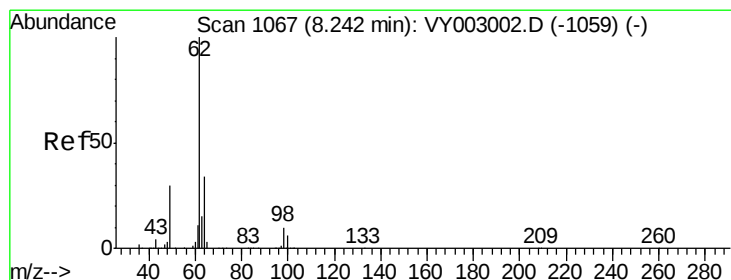
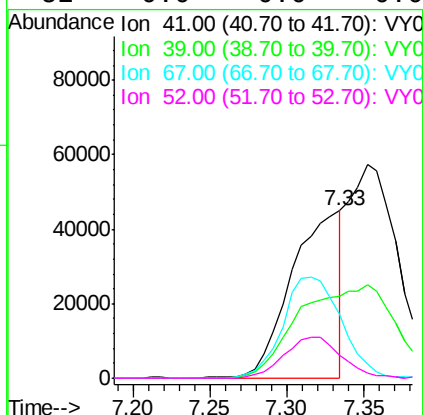
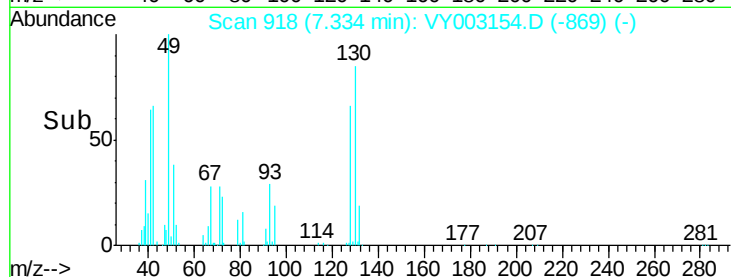
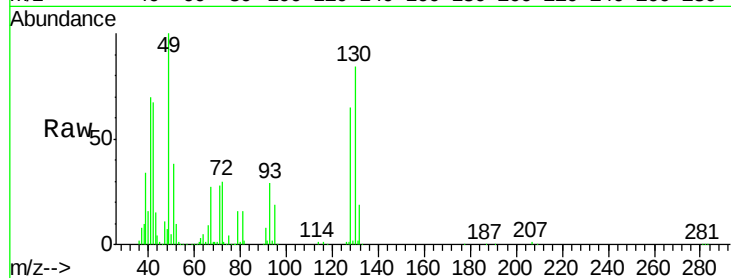
#41
Methacrylonitrile
Concen: 53.152 ug/l m
RT: 7.33 min Scan# 918
Delta R.T. 0.00 min
Lab File: VY003154.D
Acq: 09 Jul 2020 19:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	41	Resp	101102
Ion	Ratio	Lower	Upper
41	100		
39	108.4	85.7	128.5
67	0.0	0.0	0.0
52	0.0	0.0	0.0

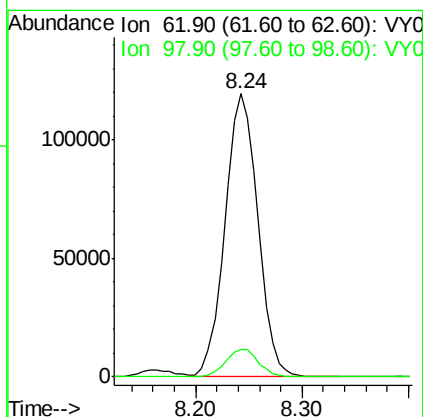
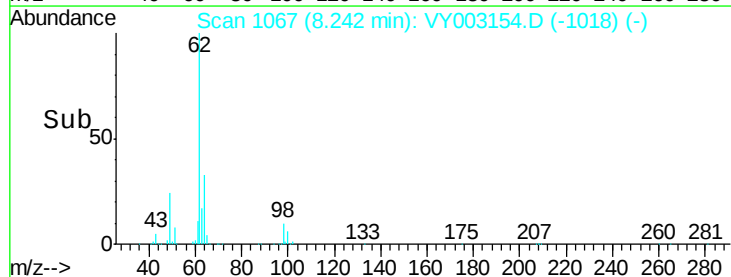
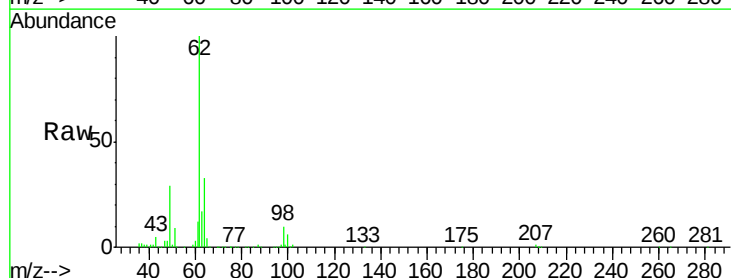
Manual Integrations
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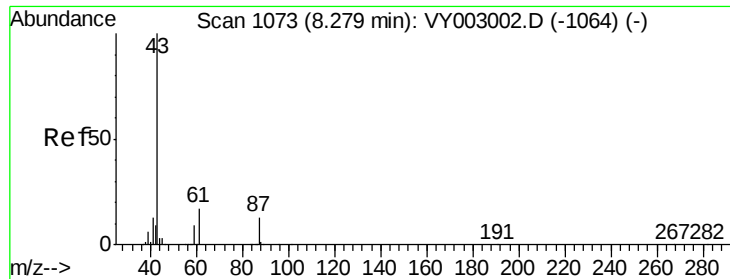
MMDadoda
7/10/2020 12:18:38 PM



#42
1,2-Dichloroethane
Concen: 50.259 ug/l
RT: 8.24 min Scan# 1067
Delta R.T. 0.00 min
Lab File: VY003154.D
Acq: 09 Jul 2020 19:24

Tgt Ion	62	Resp	257798
Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	19.2





#43

Isopropyl Acetate

Concen: 49.165 ug/l

RT: 8.28 min Scan# 1073

Delta R.T. 0.00 min

Lab File: VY003154.D

Acq: 09 Jul 2020 19:24

Instrument :

MSVOA_Y

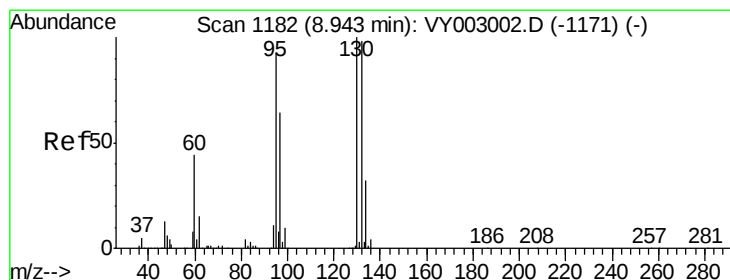
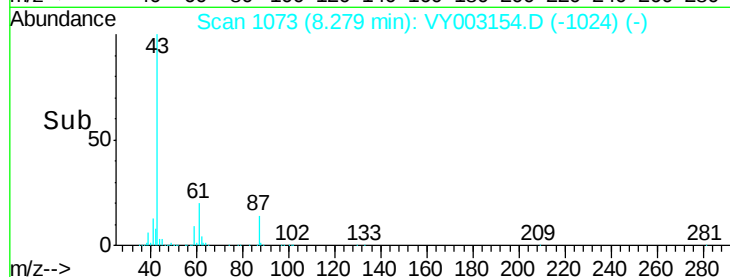
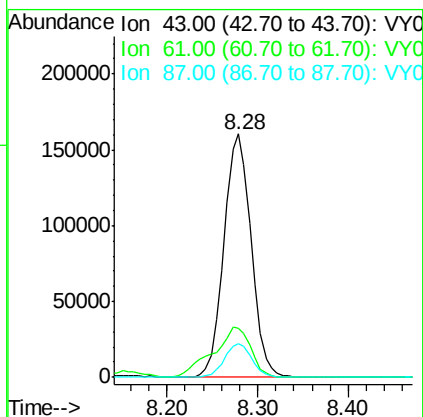
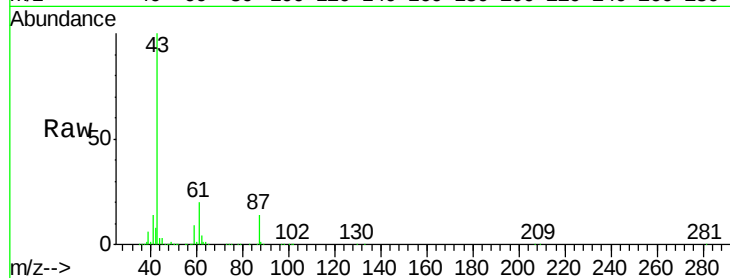
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	332821
Ion	Ratio	Lower	Upper
43	100		
61	28.7	21.8	32.6
87	14.1	10.1	15.1

Manual Integrations
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#44

Trichloroethene

Concen: 52.992 ug/l

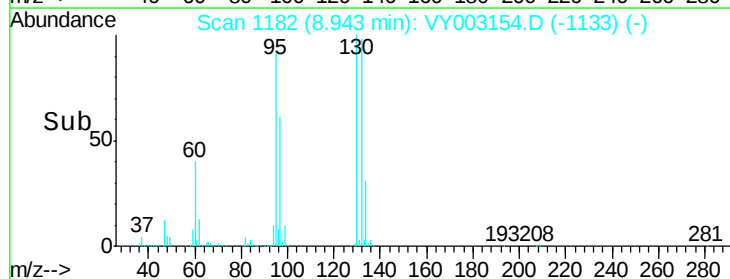
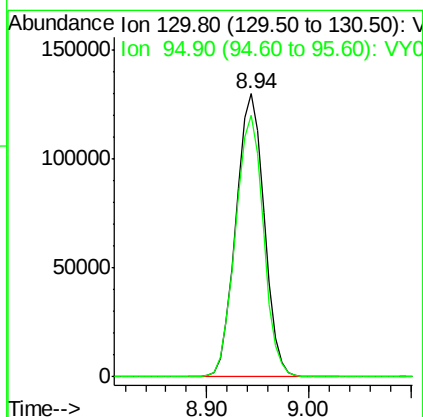
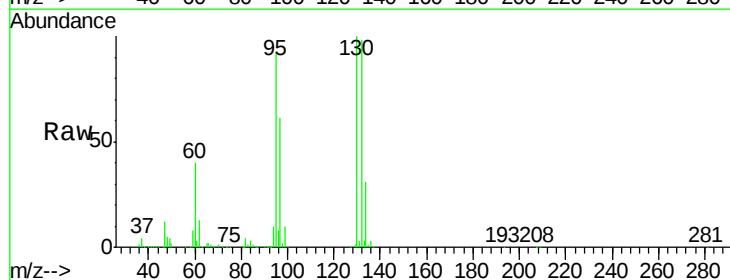
RT: 8.94 min Scan# 1182

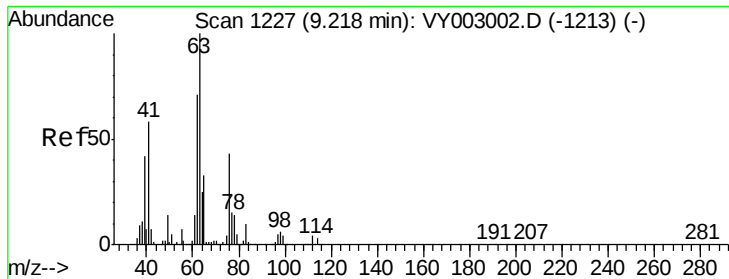
Delta R.T. 0.00 min

Lab File: VY003154.D

Acq: 09 Jul 2020 19:24

Tgt Ion:	130	Resp:	249735
Ion	Ratio	Lower	Upper
130	100		
95	92.2	0.0	186.4





#45

1,2-Dichloropropane

Concen: 49.456 ug/l

RT: 9.22 min Scan# 1227

Delta R.T. 0.00 min

Lab File: VY003154.D

Acq: 09 Jul 2020 19:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 215732

Ion Ratio Lower Upper

63 100

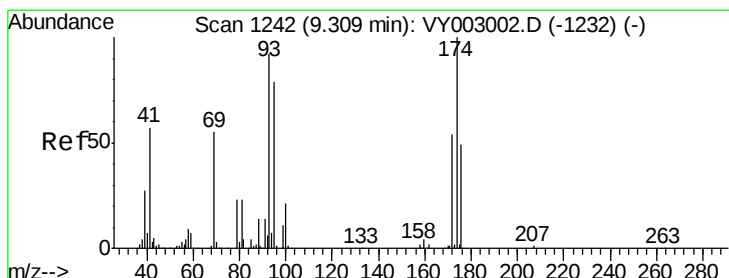
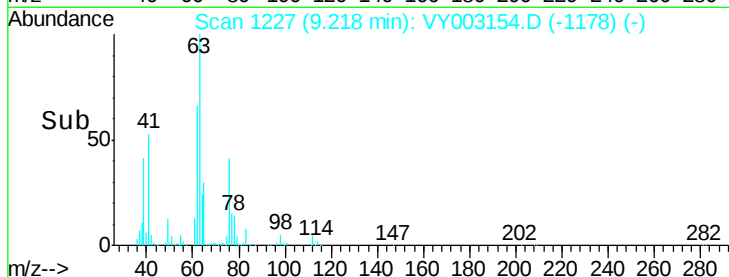
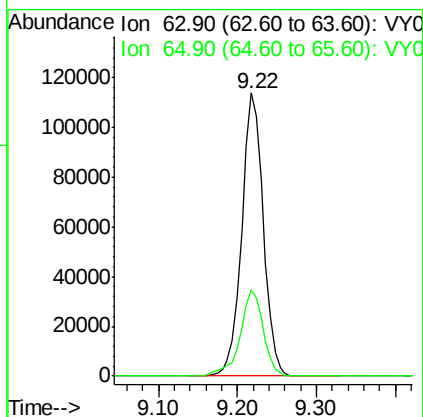
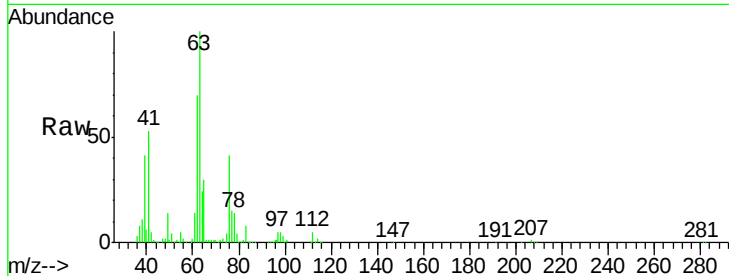
65 30.3 26.2 39.4

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#46

Dibromomethane

Concen: 52.791 ug/l

RT: 9.31 min Scan# 1242

Delta R.T. 0.00 min

Lab File: VY003154.D

Acq: 09 Jul 2020 19:24

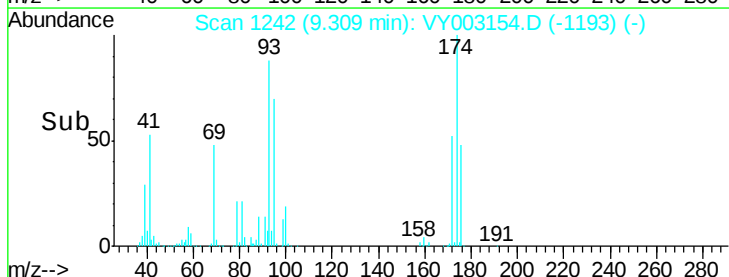
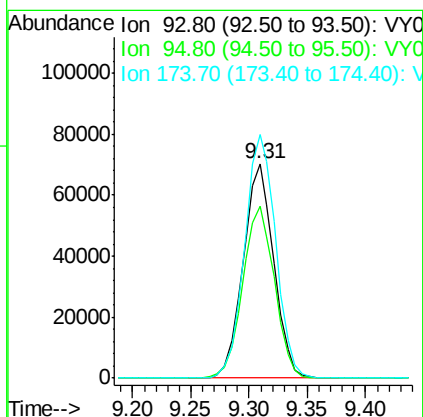
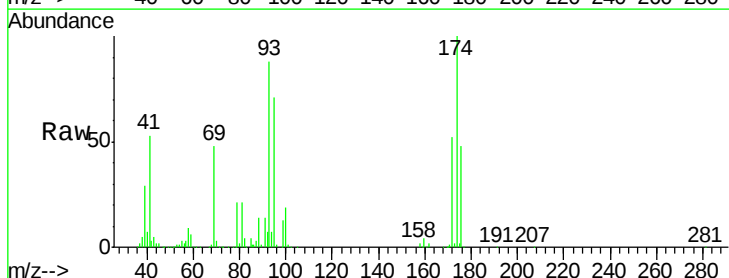
Tgt Ion: 93 Resp: 128616

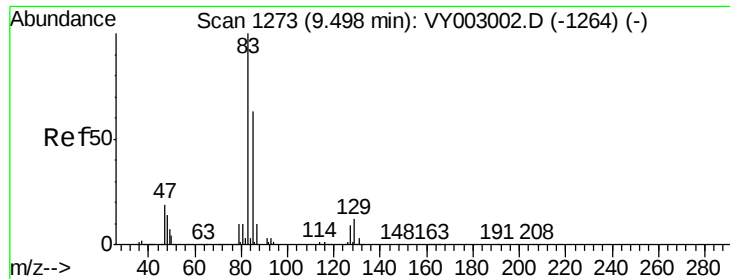
Ion Ratio Lower Upper

93 100

95 83.1 67.6 101.4

174 115.6 88.3 132.5





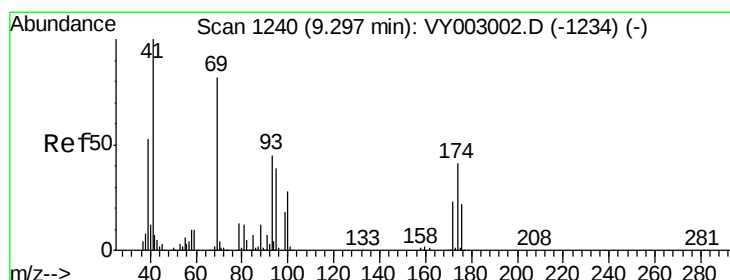
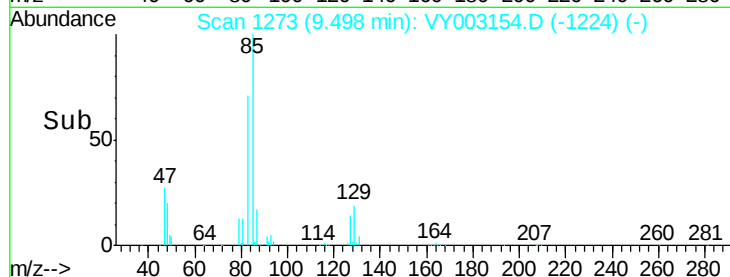
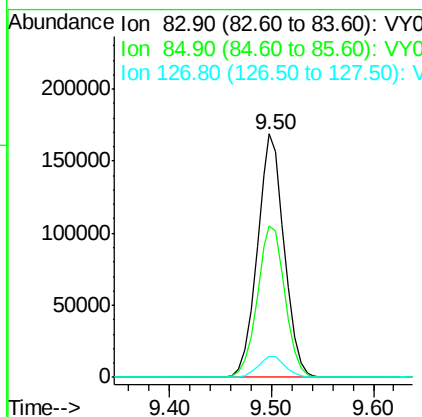
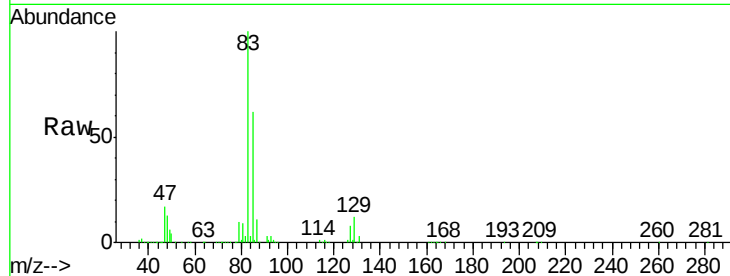
#47
Bromodichloromethane
Concen: 51.598 ug/l
RT: 9.50 min Scan# 1273
Delta R.T. 0.00 min
Lab File: VY003154.D
Acq: 09 Jul 2020 19:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	307816
Ion Ratio	Lower	Upper	
83	100		
85	62.1	50.5	75.7
127	8.4	7.0	10.4

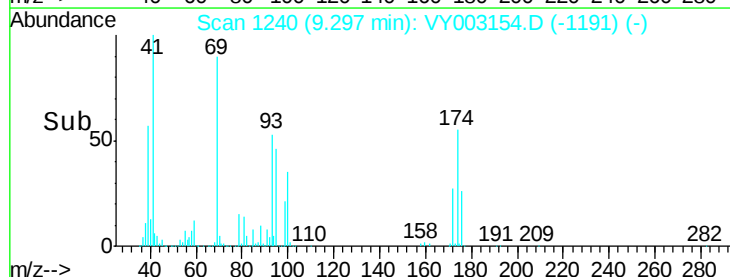
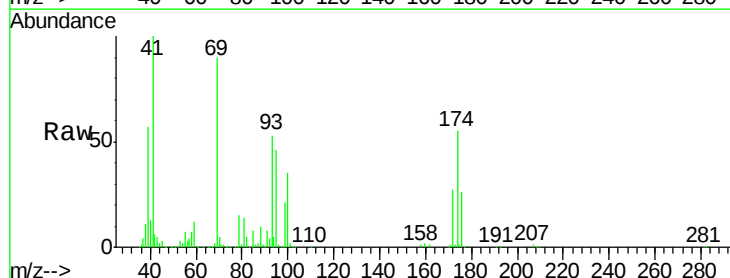
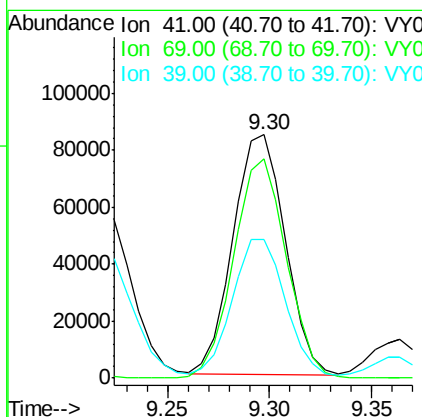
Manual Integrations
APPROVED

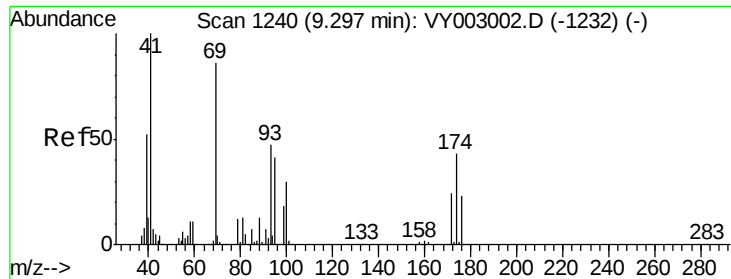
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#48
Methyl methacrylate
Concen: 48.632 ug/l
RT: 9.30 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VY003154.D
Acq: 09 Jul 2020 19:24

Tgt Ion	41	Resp	149847
Ion Ratio	Lower	Upper	
41	100		
69	92.6	67.7	101.5
39	59.8	45.0	67.4





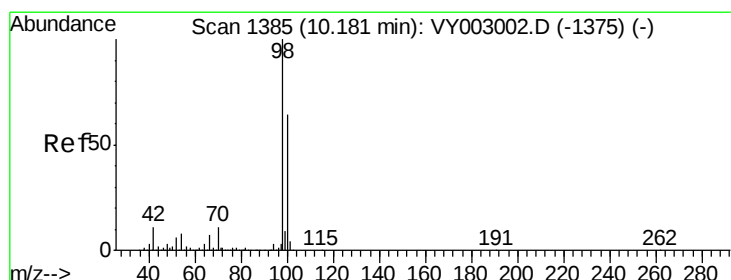
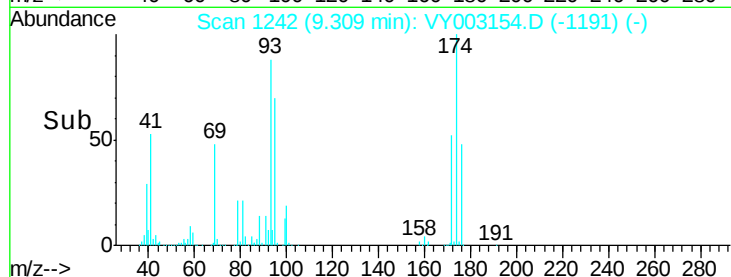
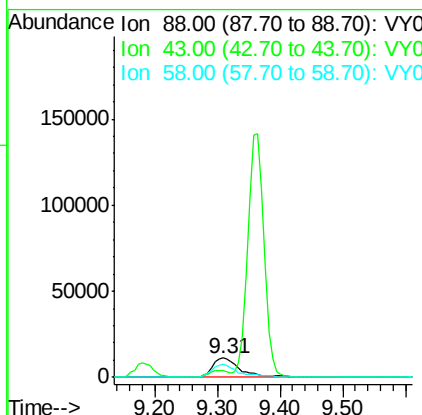
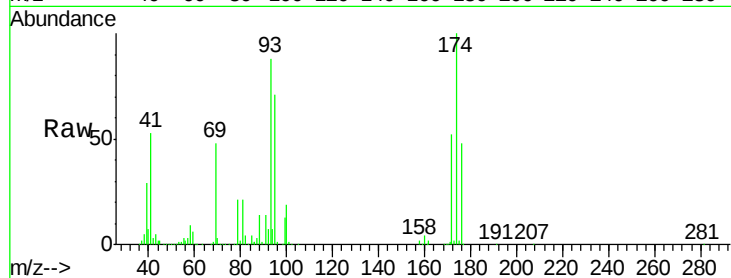
#49
1,4-Dioxane
Concen: 1185.530 ug/l
RT: 9.31 min Scan# 1242
Delta R.T. 0.01 min
Lab File: VY003154.D
Acq: 09 Jul 2020 19:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	25.2	28.6	42.8#
58	67.0	56.7	85.1

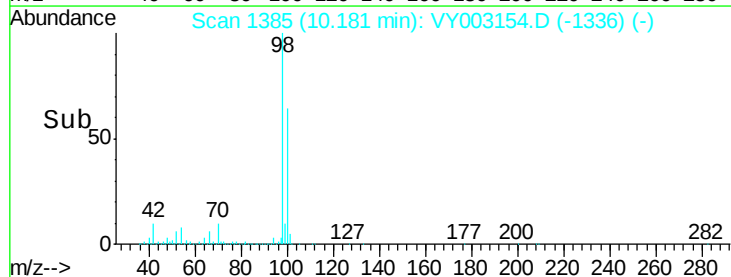
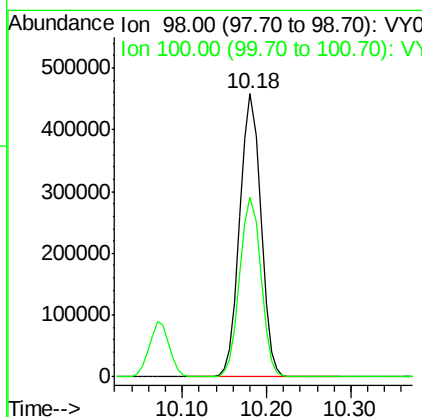
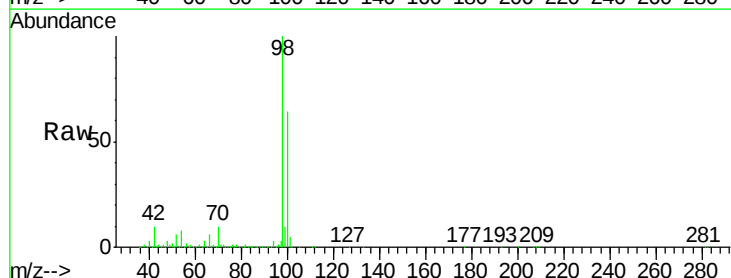
Manual Integrations
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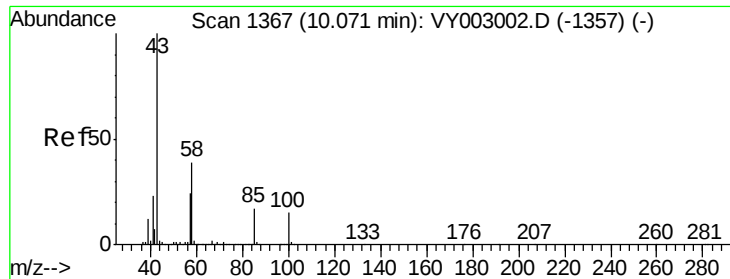
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#50
Toluene-d8
Concen: 53.736 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VY003154.D
Acq: 09 Jul 2020 19:24

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.1	76.7





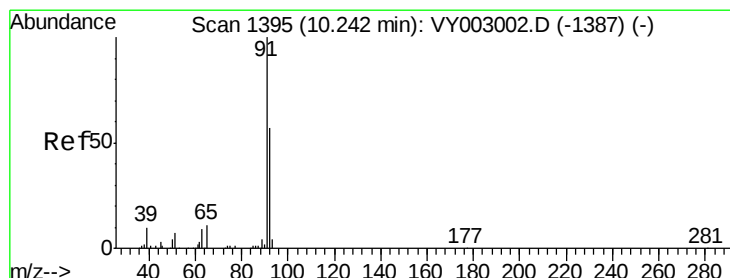
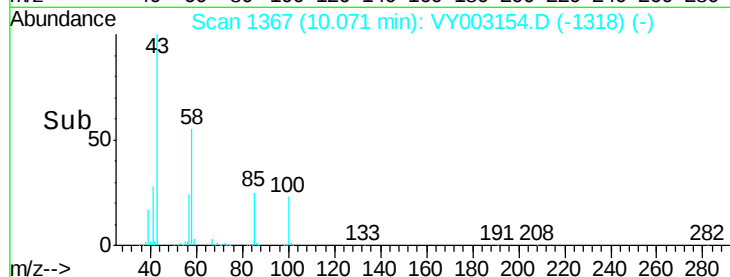
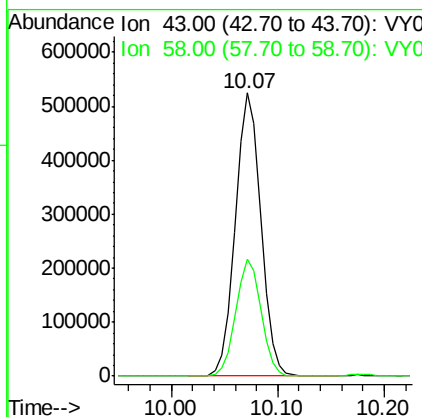
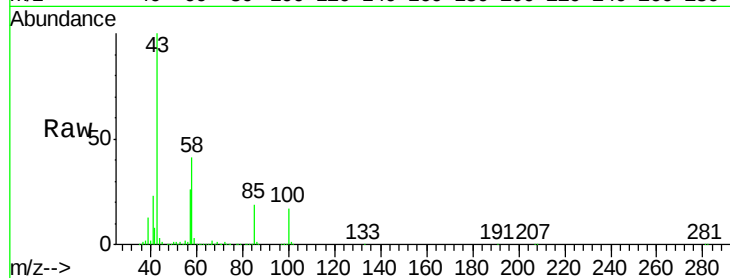
#51
4-Methyl-2-Pentanone
Concen: 252.413 ug/l
RT: 10.07 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VY003154.D
Acq: 09 Jul 2020 19:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 883144
Ion Ratio Lower Upper
43 100
58 41.1 31.1 46.7

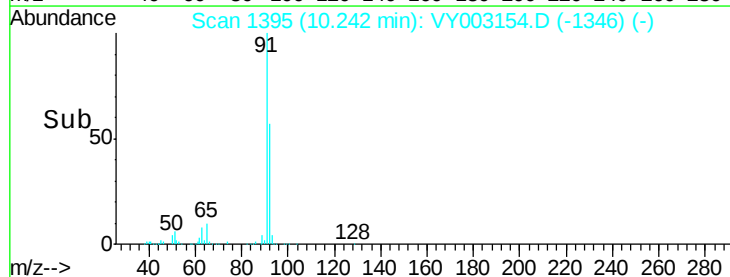
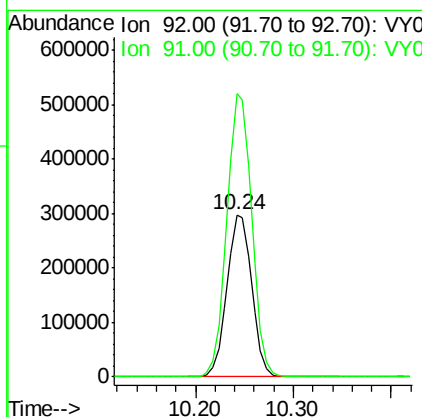
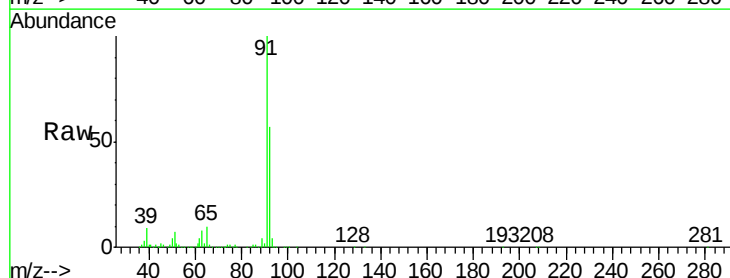
Manual Integrations
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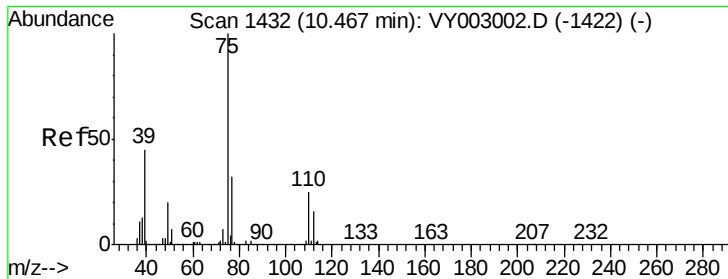
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#52
Toluene
Concen: 51.164 ug/l
RT: 10.24 min Scan# 1395
Delta R.T. 0.00 min
Lab File: VY003154.D
Acq: 09 Jul 2020 19:24

Tgt Ion: 92 Resp: 522220
Ion Ratio Lower Upper
92 100
91 175.4 139.6 209.4





#53

t-1,3-Dichloropropene

Concen: 50.608 ug/l

RT: 10.47 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VY003154.D

Acq: 09 Jul 2020 19:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 316533

Ion Ratio Lower Upper

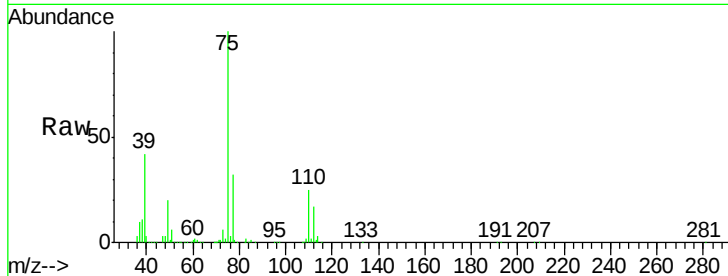
75 100

77 31.9 25.9 38.9

Manual Integrations
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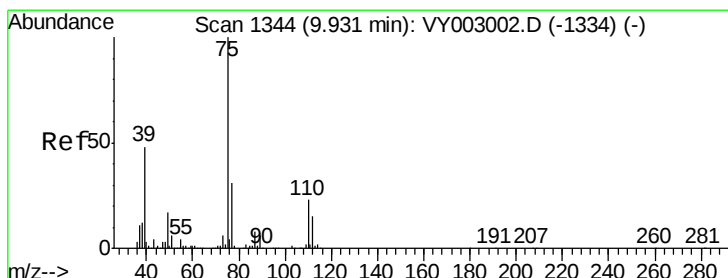
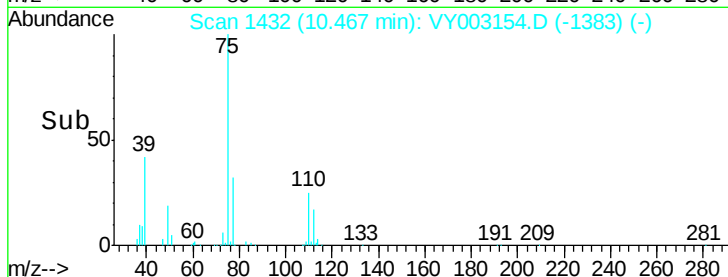
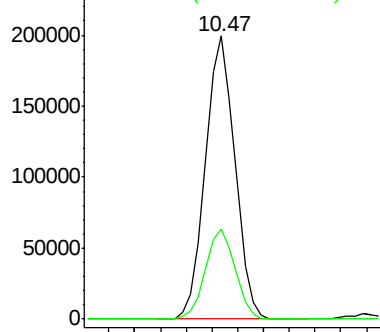
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Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0



#54

cis-1,3-Dichloropropene

Concen: 49.909 ug/l

RT: 9.93 min Scan# 1344

Delta R.T. 0.00 min

Lab File: VY003154.D

Acq: 09 Jul 2020 19:24

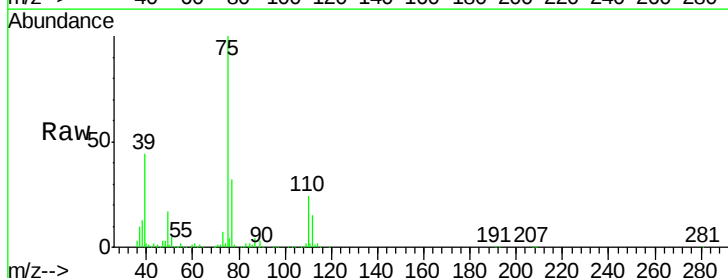
Tgt Ion: 75 Resp: 357007

Ion Ratio Lower Upper

75 100

77 32.4 24.6 37.0

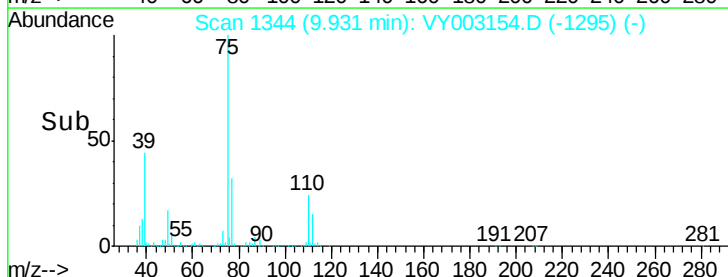
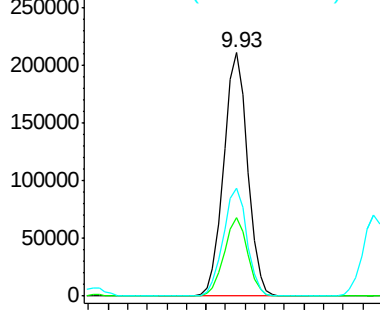
39 44.1 38.3 57.5

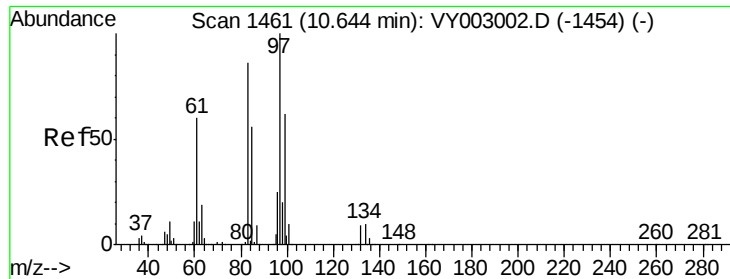


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0

Ion 39.00 (38.70 to 39.70): VY0





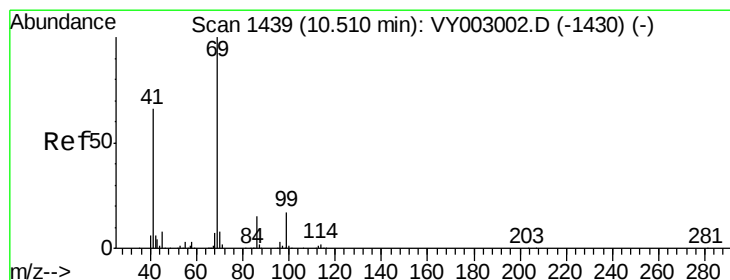
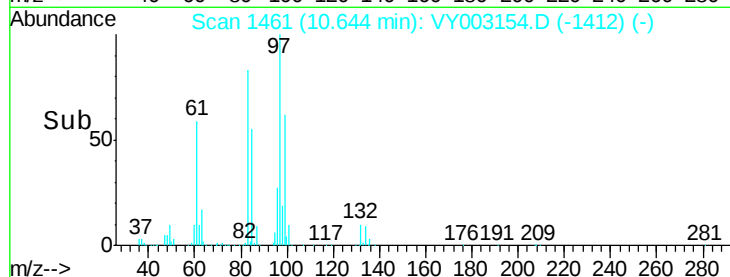
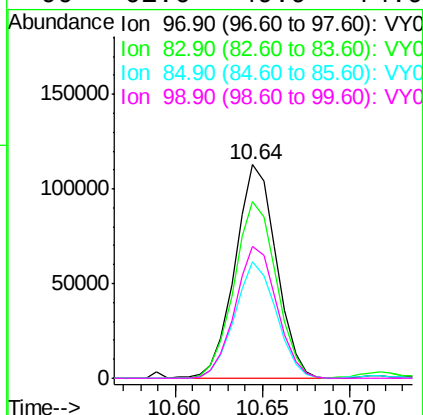
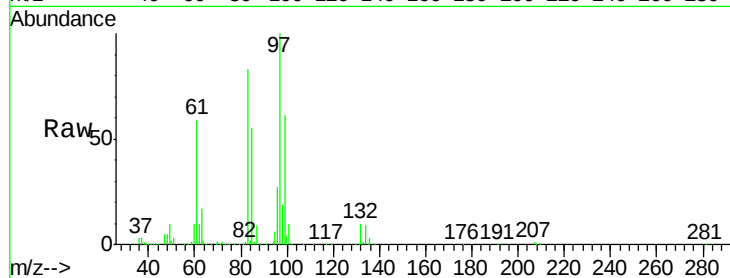
#55
 1,1,2-Trichloroethane
 Concen: 54.308 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. 0.00 min
 Lab File: VY003154.D
 Acq: 09 Jul 2020 19:24

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	183859
Ion	Ratio	Lower	Upper
97	100		
83	82.7	69.0	103.6
85	54.8	44.8	67.2
99	61.6	49.9	74.9

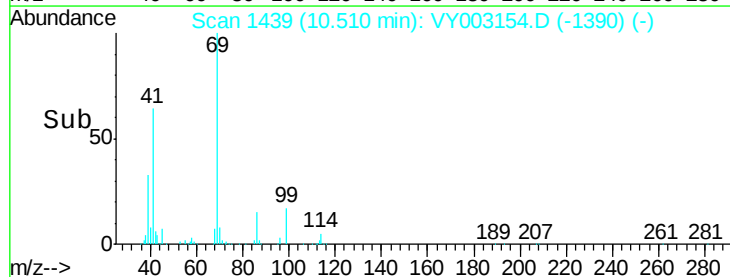
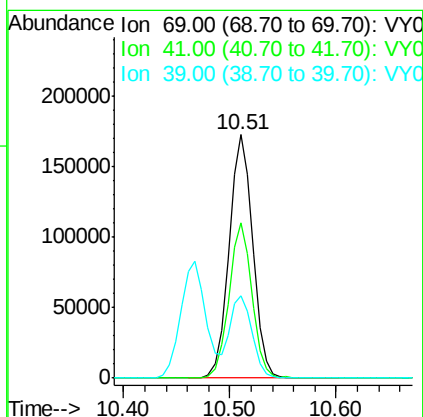
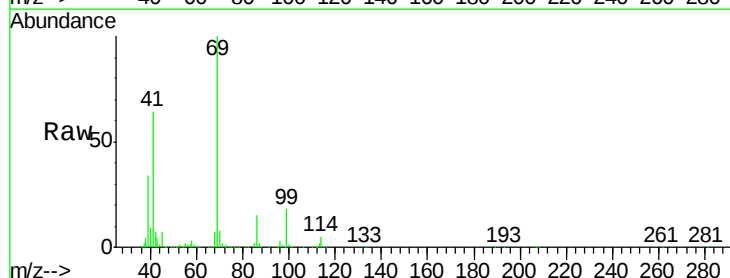
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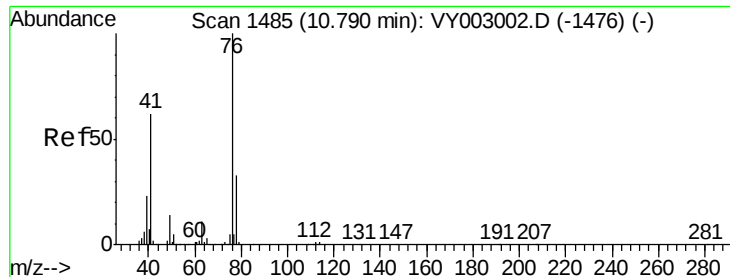
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#56
 Ethyl methacrylate
 Concen: 54.842 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. 0.00 min
 Lab File: VY003154.D
 Acq: 09 Jul 2020 19:24

Tgt Ion:	69	Resp:	268764
Ion	Ratio	Lower	Upper
69	100		
41	62.2	53.7	80.5
39	31.4	28.3	42.5





#57

1,3-Dichloropropane

Concen: 52.247 ug/l

RT: 10.79 min Scan# 1485

Delta R.T. 0.00 min

Lab File: VY003154.D

Acq: 09 Jul 2020 19:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 310523

Ion Ratio Lower Upper

76 100

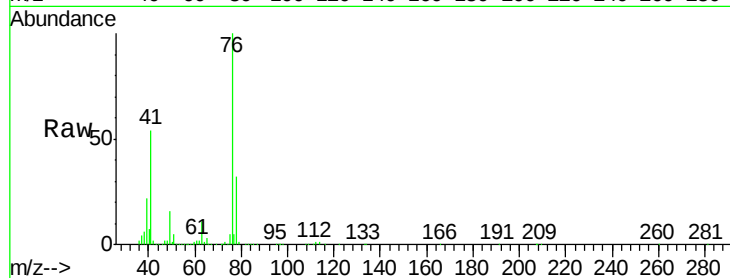
78 32.1 26.0 39.0

Manual Integrations

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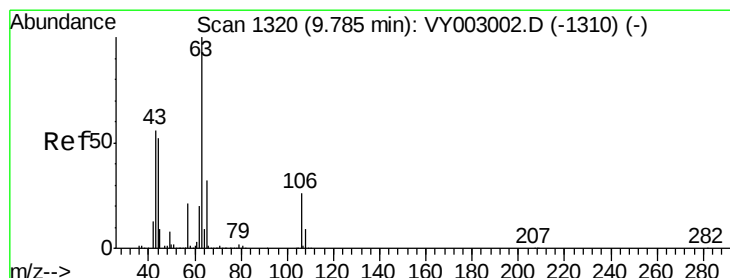
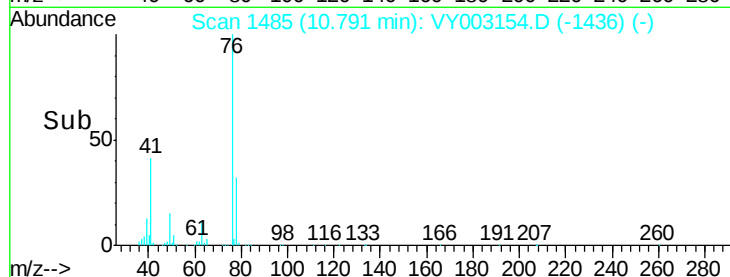
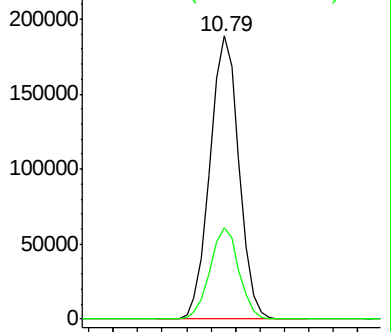
MMDadoda

7/10/2020 12:18:38 PM



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#58

2-Chloroethyl Vinyl ether

Concen: 264.062 ug/l

RT: 9.78 min Scan# 1320

Delta R.T. 0.00 min

Lab File: VY003154.D

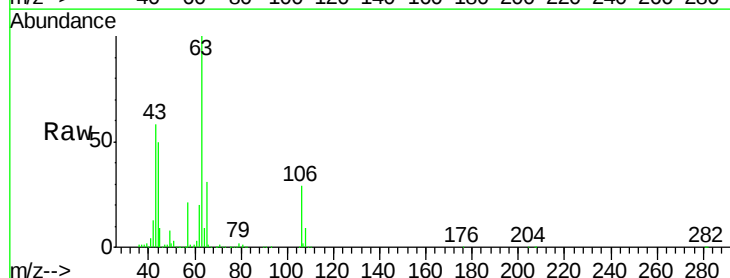
Acq: 09 Jul 2020 19:24

Tgt Ion: 63 Resp: 663702

Ion Ratio Lower Upper

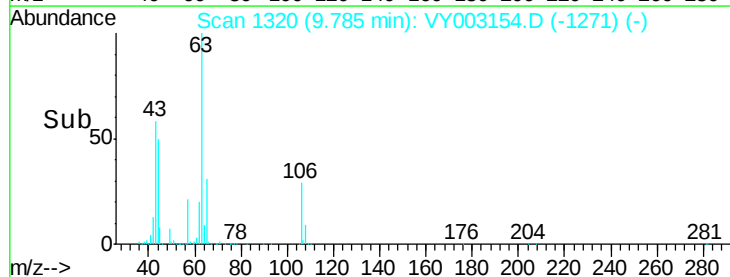
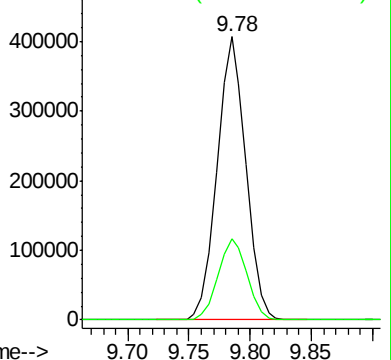
63 100

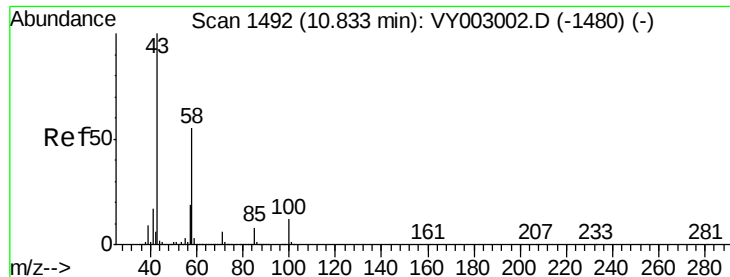
106 29.0 21.5 32.3



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 105.90 (105.60 to 106.60): V





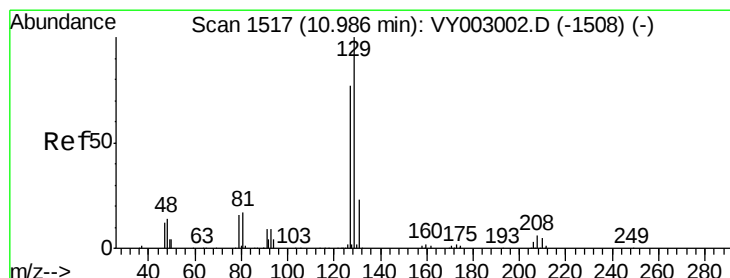
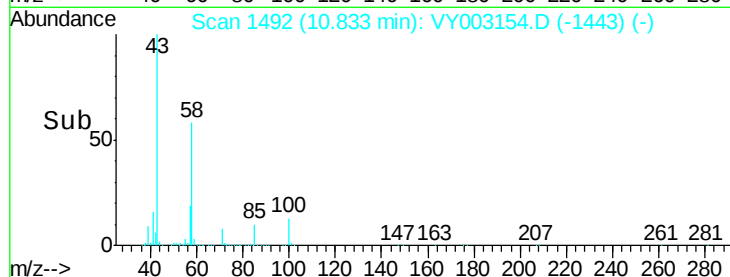
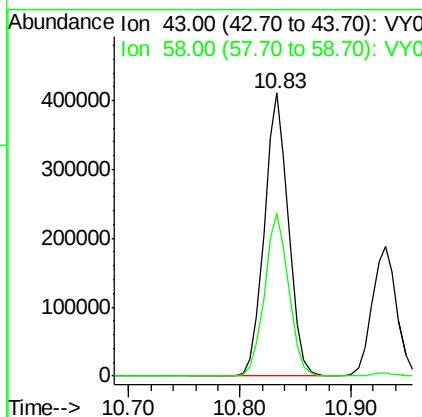
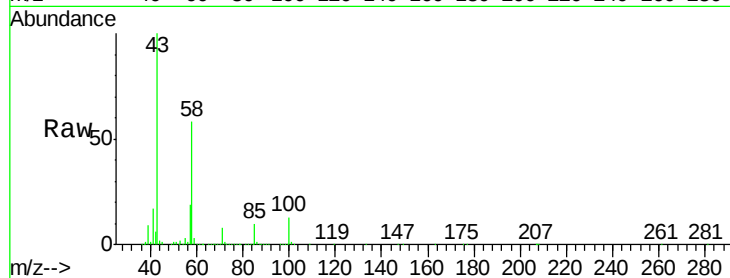
#59
2-Hexanone
Concen: 252.594 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VY003154.D
Acq: 09 Jul 2020 19:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 617730
Ion Ratio Lower Upper
43 100
58 57.6 27.5 82.4

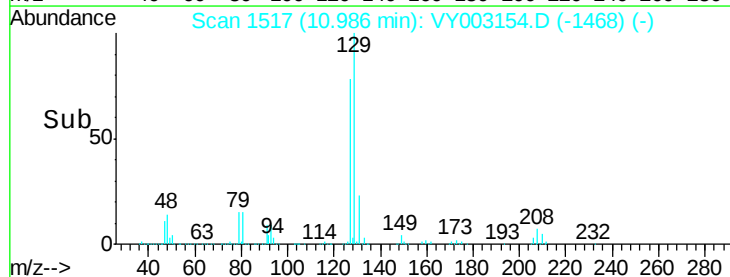
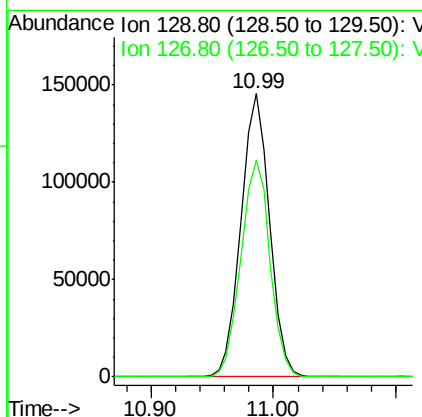
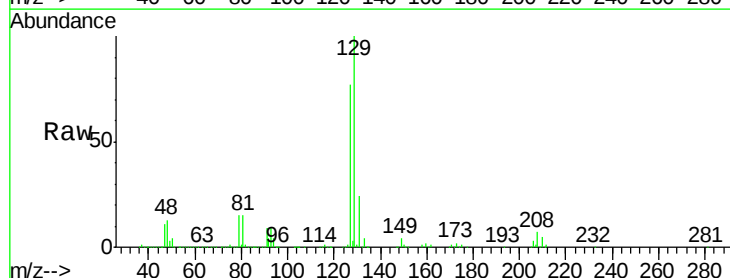
Manual Integrations
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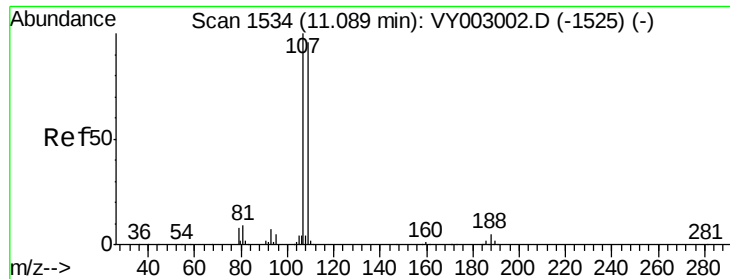
MMDadoda
7/10/2020 12:18:38 PM



#60
Dibromochloromethane
Concen: 54.520 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VY003154.D
Acq: 09 Jul 2020 19:24

Tgt Ion: 129 Resp: 236212
Ion Ratio Lower Upper
129 100
127 77.6 39.1 117.3





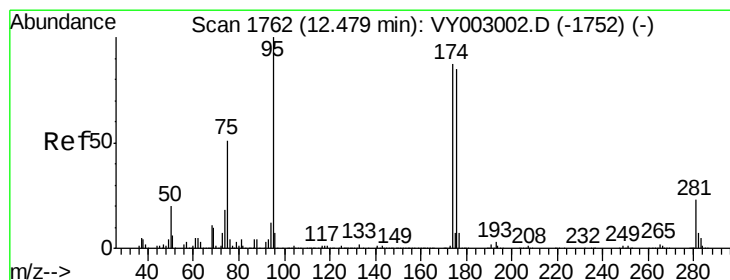
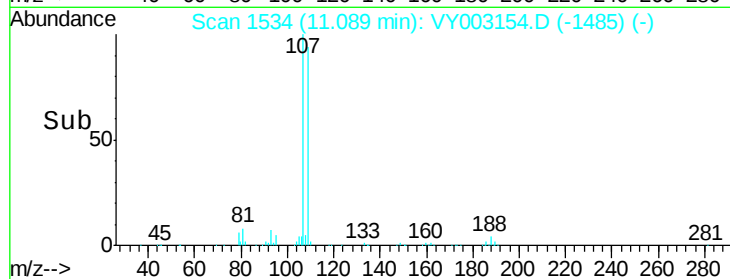
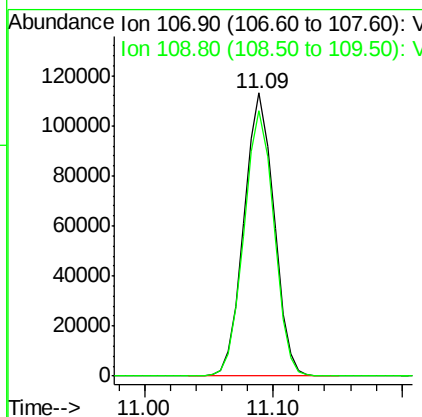
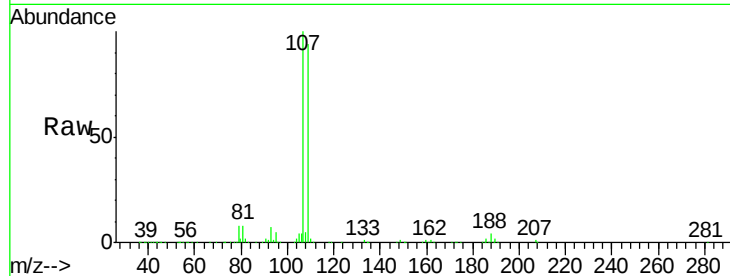
#61
 1,2-Dibromoethane
 Concen: 54.482 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VY003154.D
 Acq: 09 Jul 2020 19:24

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.8	75.8	113.8

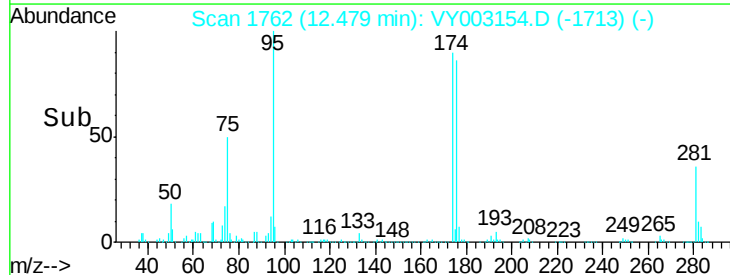
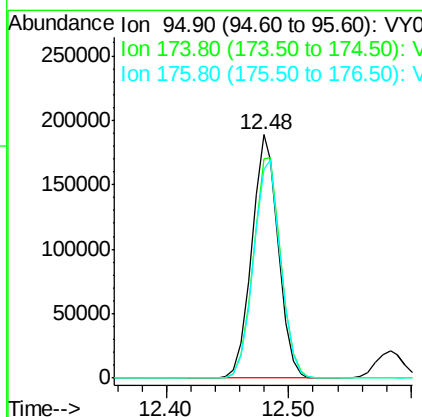
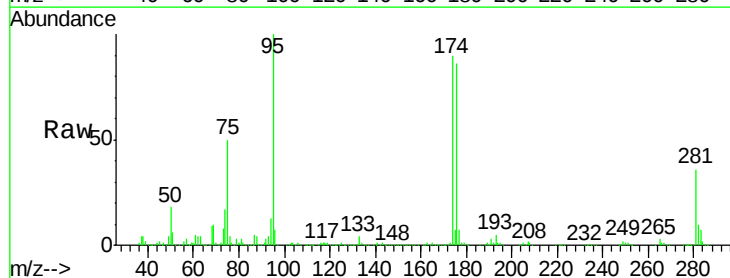
Manual Integrations
 APPROVED

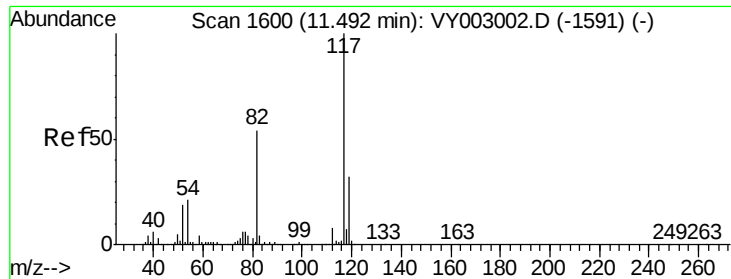
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#62
 4-Bromofluorobenzene
 Concen: 56.406 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: VY003154.D
 Acq: 09 Jul 2020 19:24

Tgt Ion	Ratio	Lower	Upper
95	100		
174	94.4	0.0	184.8
176	91.5	0.0	183.0





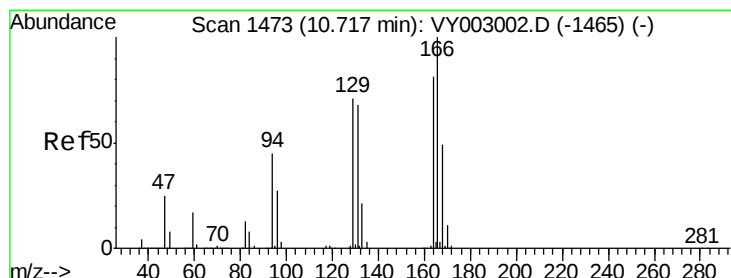
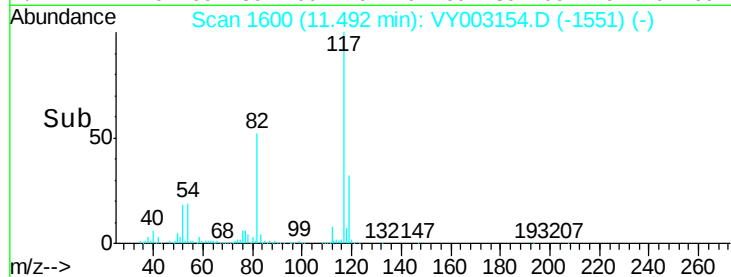
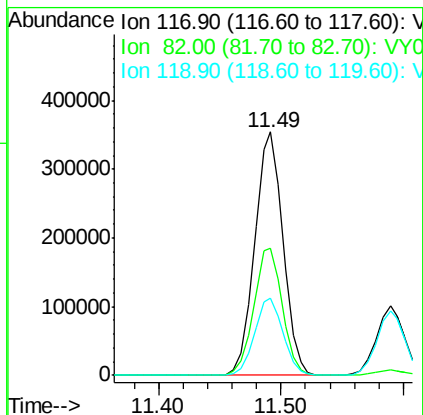
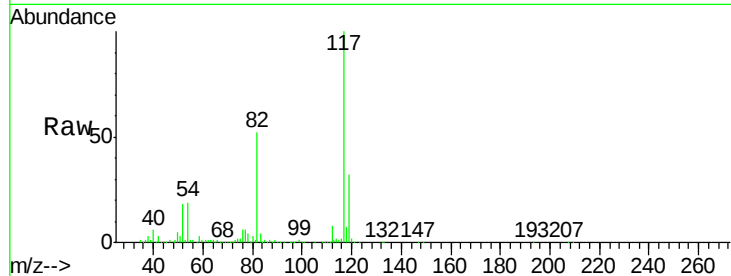
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY003154.D
Acq: 09 Jul 2020 19:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	571085		
82	52.3		43.0	64.6
119	31.9		25.8	38.8

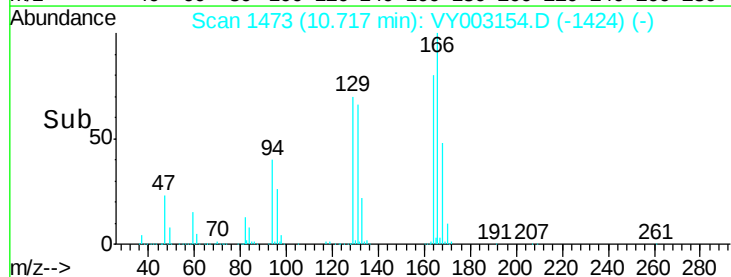
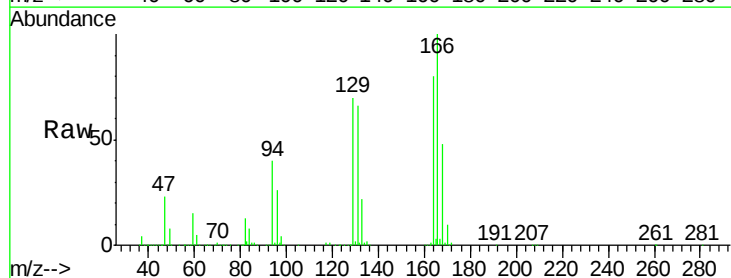
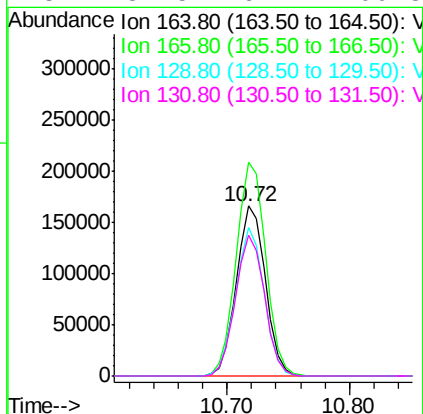
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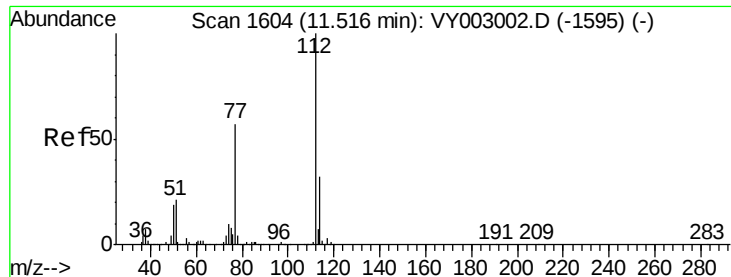
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#64
Tetrachloroethene
Concen: 56.252 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VY003154.D
Acq: 09 Jul 2020 19:24

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	271888		
166	125.6		98.5	147.7
129	87.4		69.7	104.5
131	82.5		67.2	100.8





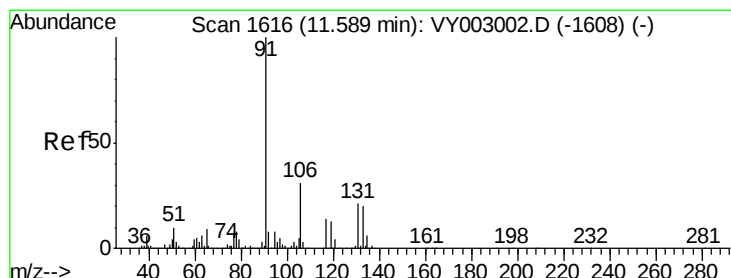
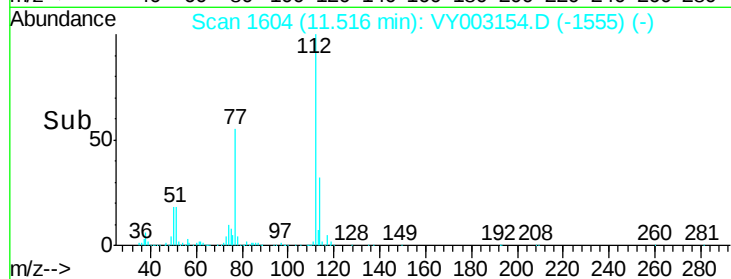
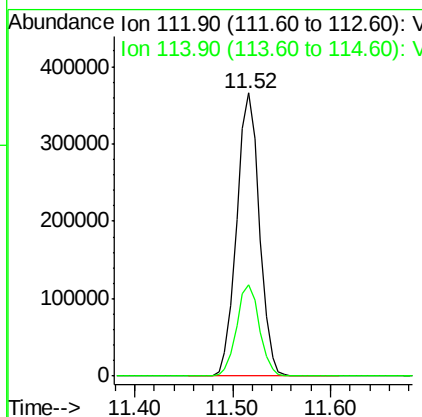
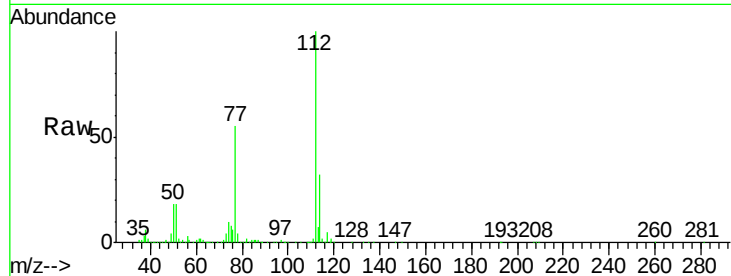
#65
Chlorobenzene
Concen: 52.221 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VY003154.D
Acq: 09 Jul 2020 19:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.3	25.7	38.5

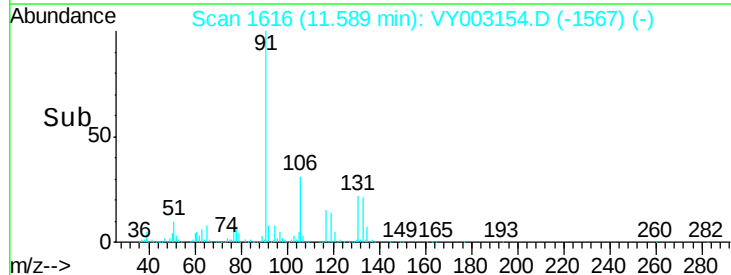
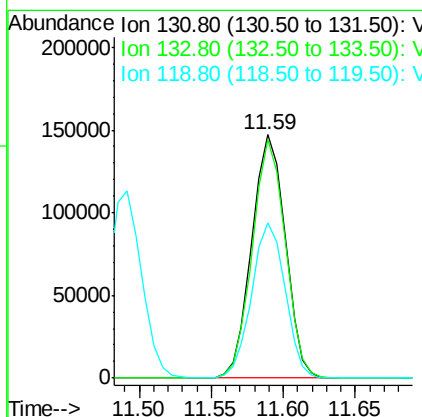
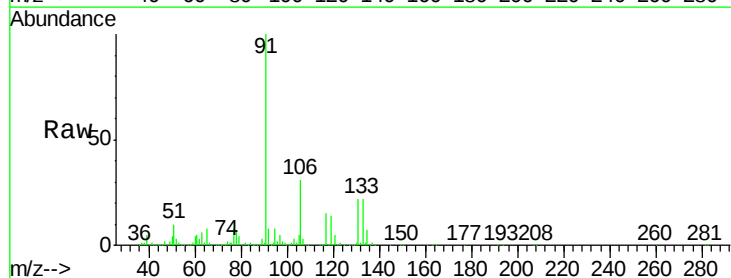
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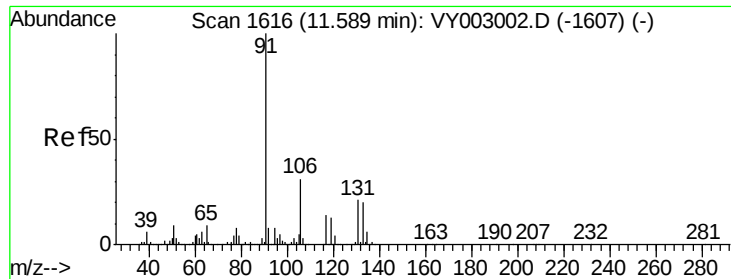
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#66
1,1,1,2-Tetrachloroethane
Concen: 53.856 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VY003154.D
Acq: 09 Jul 2020 19:24

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.3	47.9	143.8
119	63.8	31.8	95.3





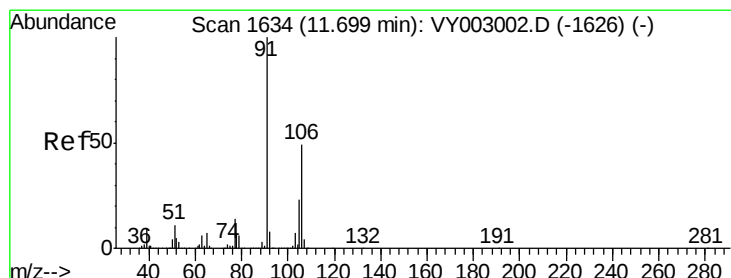
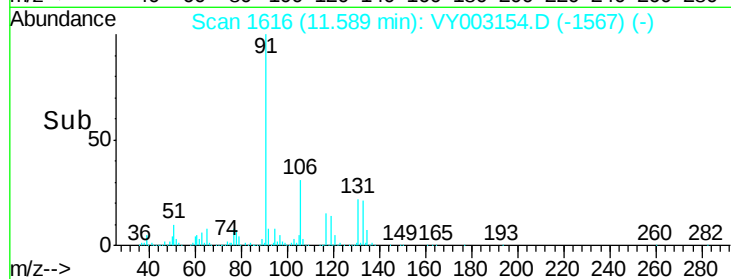
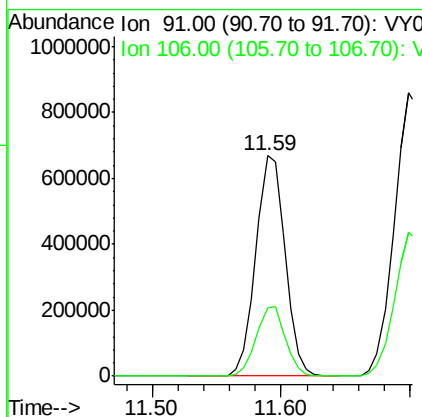
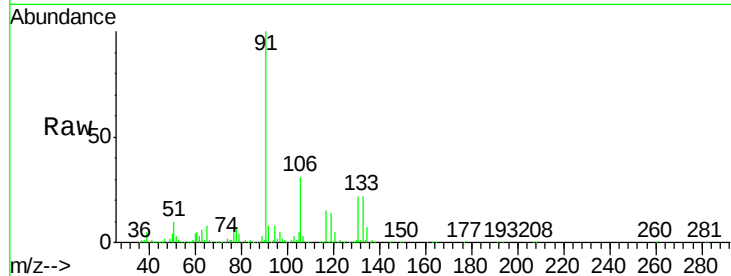
#67
Ethyl Benzene
Concen: 50.939 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VY003154.D
Acq: 09 Jul 2020 19:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1049386
Ion Ratio Lower Upper
91 100
106 31.3 25.0 37.4

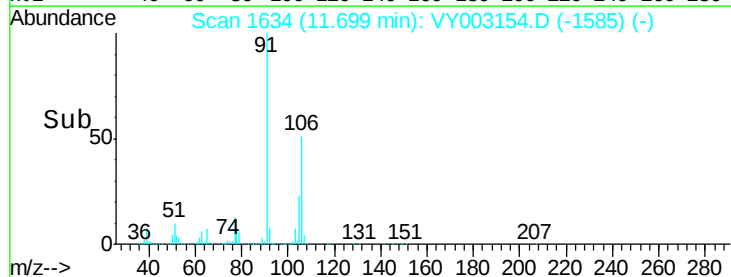
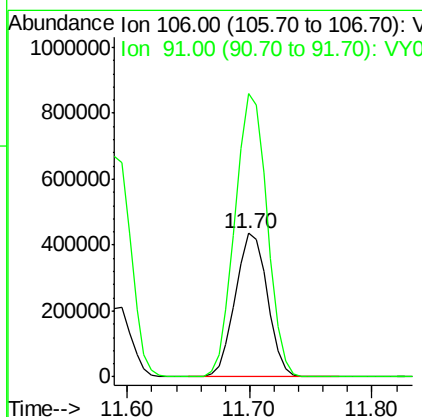
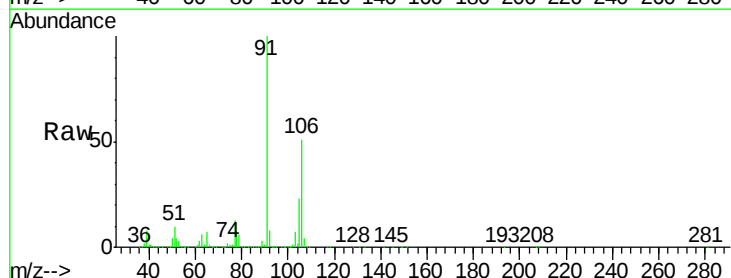
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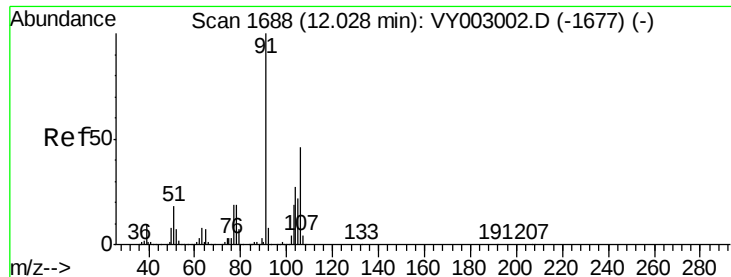
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#68
m/p-Xylenes
Concen: 103.601 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VY003154.D
Acq: 09 Jul 2020 19:24

Tgt Ion: 106 Resp: 794328
Ion Ratio Lower Upper
106 100
91 198.1 161.9 242.9





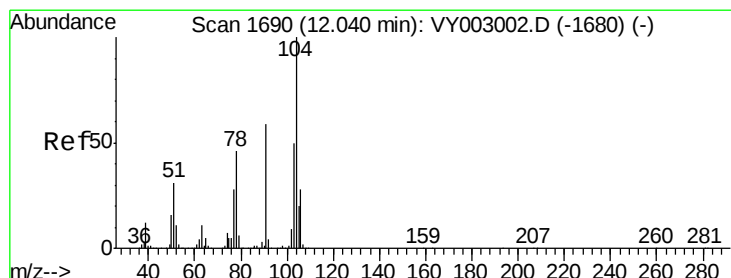
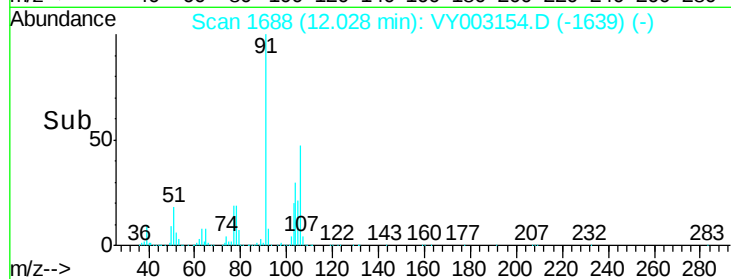
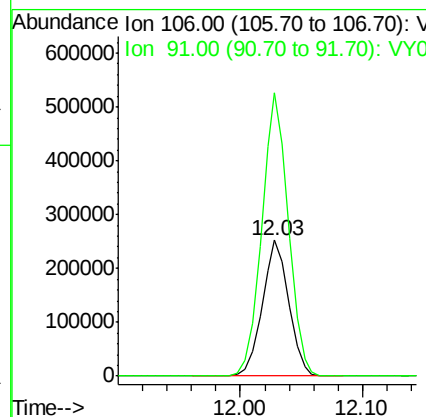
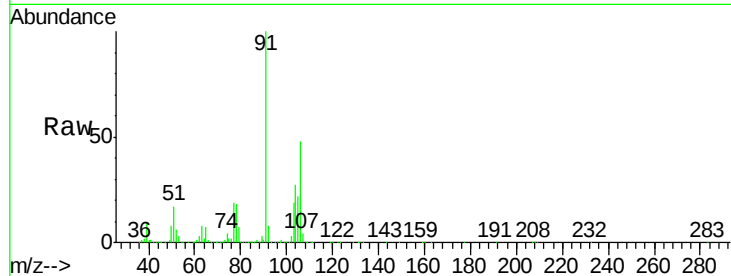
#69
o-Xylene
Concen: 52.560 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VY003154.D
Acq: 09 Jul 2020 19:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	208.5	107.9	323.8

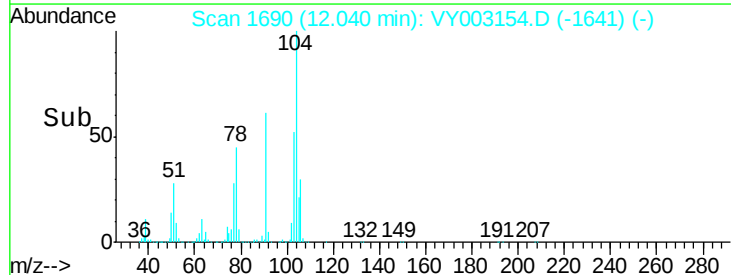
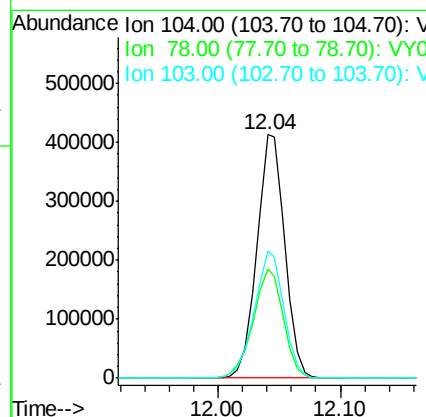
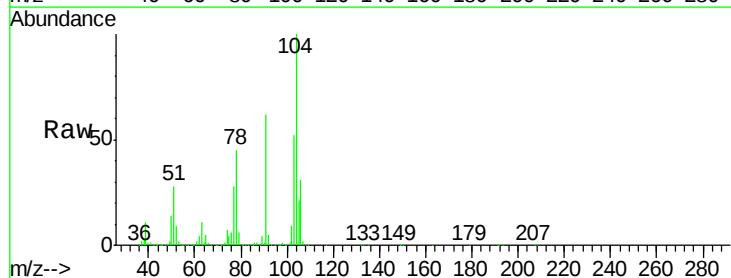
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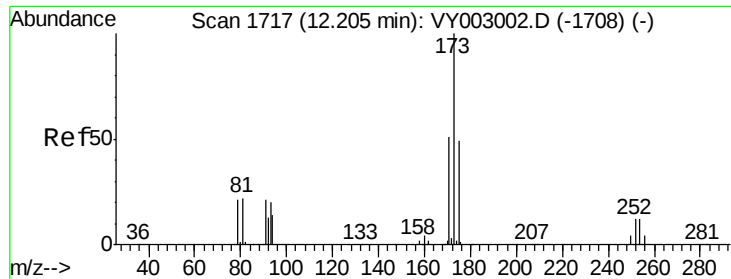
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#70
Styrene
Concen: 53.241 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VY003154.D
Acq: 09 Jul 2020 19:24

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.5	40.4	60.6
103	55.4	44.1	66.1





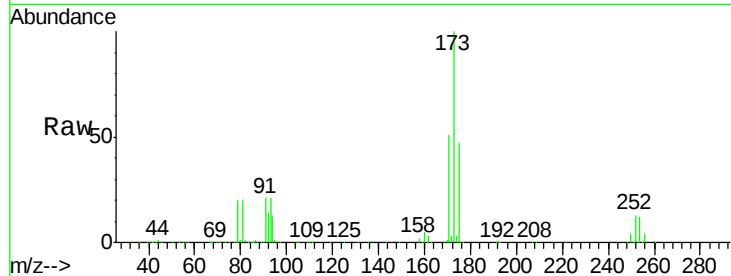
#71
Bromoform
Concen: 54.845 ug/l
RT: 12.20 min Scan# 1717
Delta R.T. 0.00 min
Lab File: VY003154.D
Acq: 09 Jul 2020 19:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

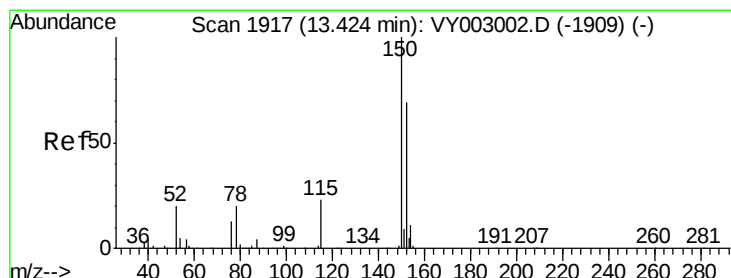
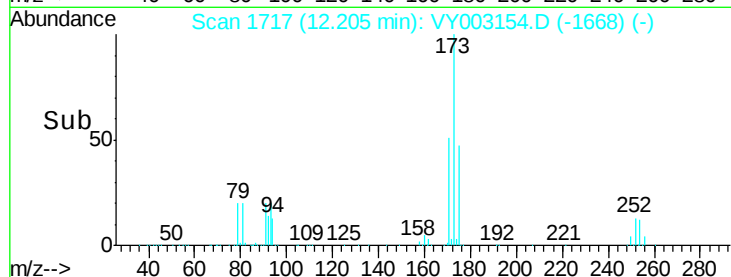
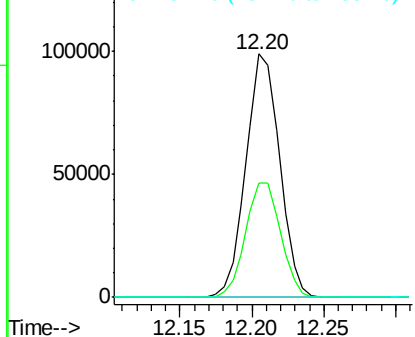
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.6	73.6
254	0.2	0.2	0.2

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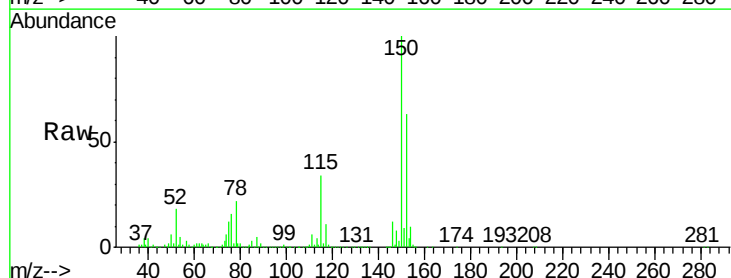


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

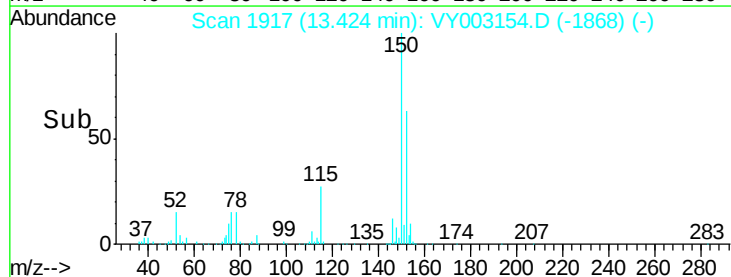
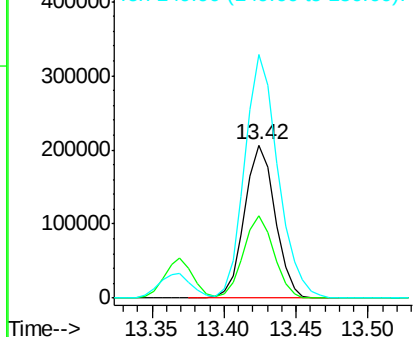


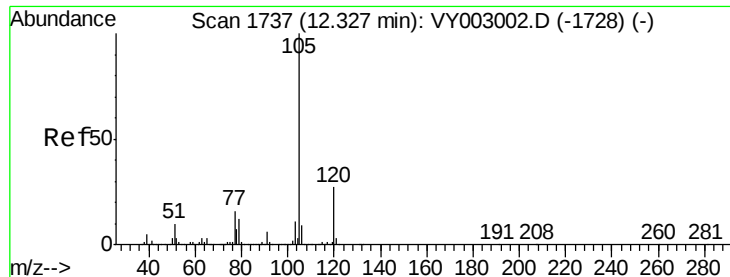
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VY003154.D
Acq: 09 Jul 2020 19:24

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.6	27.3	81.9
150	173.3	0.0	343.4



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: 51.550 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VY003154.D

Acq: 09 Jul 2020 19:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 1025405

Ion Ratio Lower Upper

105 100

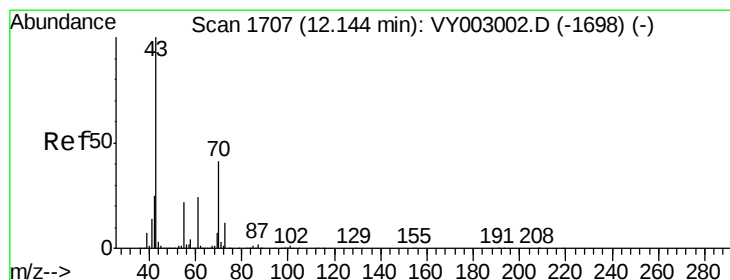
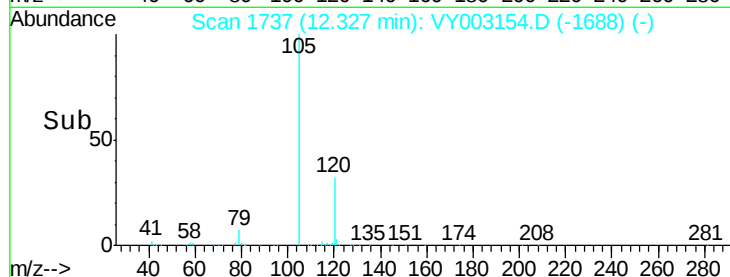
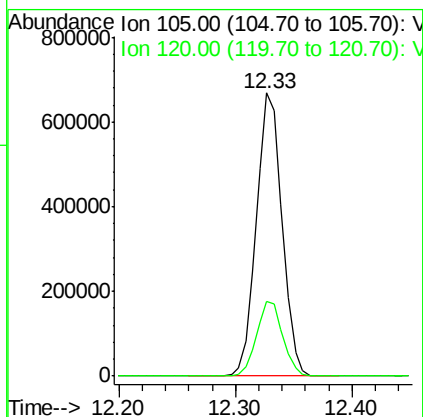
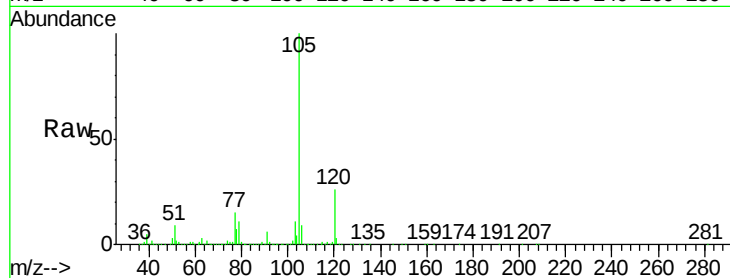
120 26.8 13.4 40.1

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#74

N-ethyl acetate

Concen: 48.785 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VY003154.D

Acq: 09 Jul 2020 19:24

Tgt Ion: 43 Resp: 315909

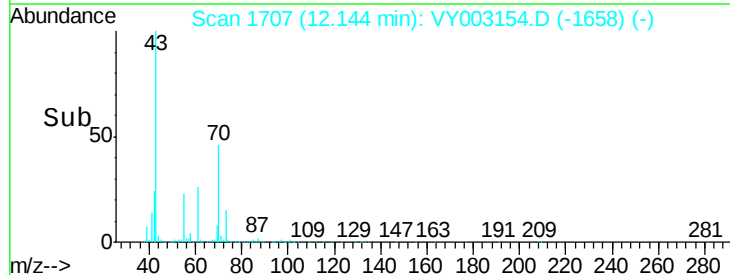
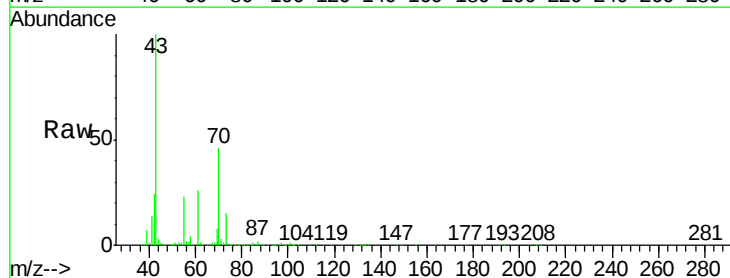
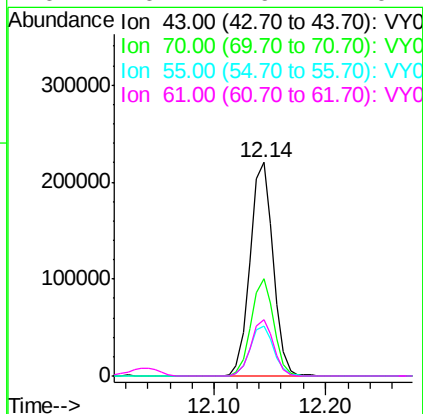
Ion Ratio Lower Upper

43 100

70 45.0 33.0 49.4

55 24.2 18.2 27.2

61 26.1 19.4 29.2





#75

1,1,2,2-Tetrachloroethane

Concen: 52.673 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VY003154.D

Acq: 09 Jul 2020 19:24

Instrument :

MSVOA_Y

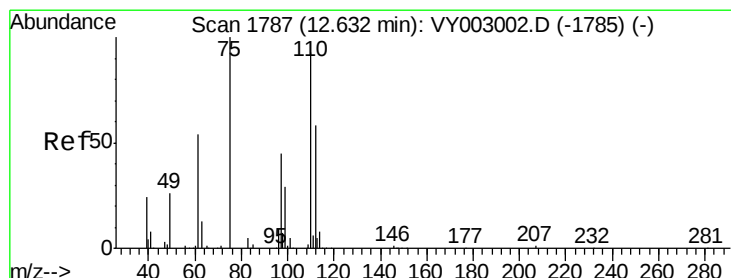
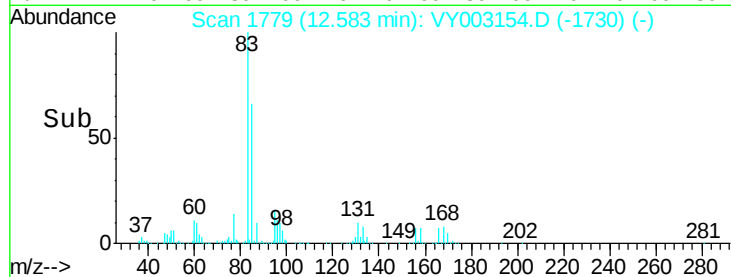
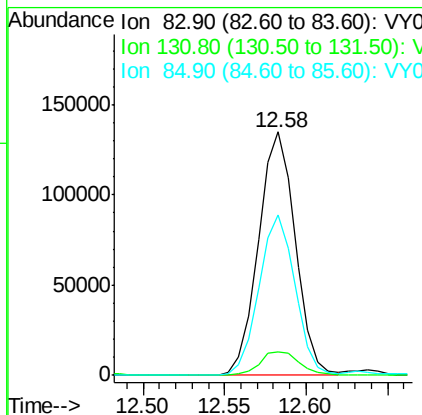
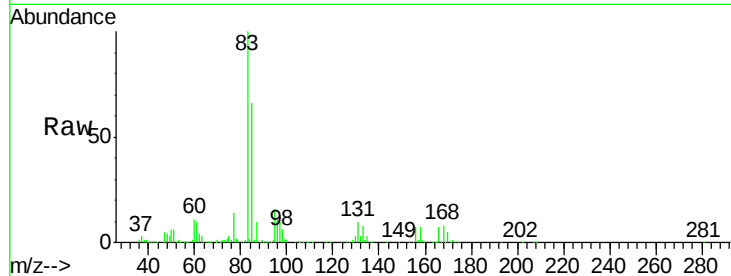
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	211436
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.3	16.1
85	64.9	32.1	96.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 51.998 ug/l m

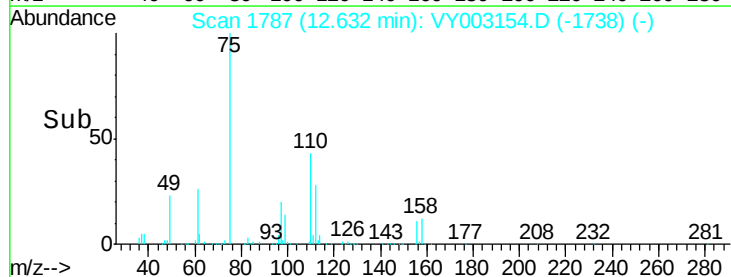
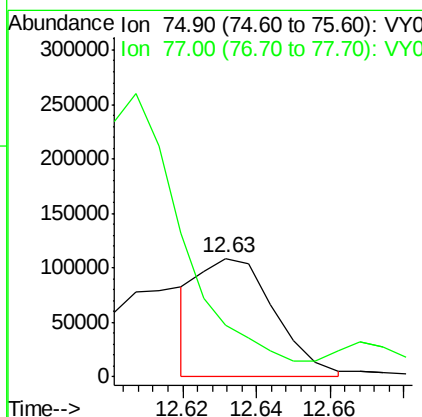
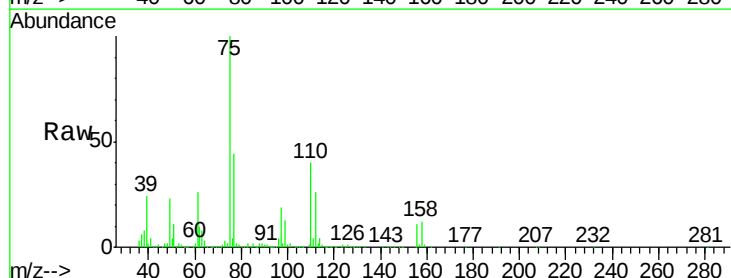
RT: 12.63 min Scan# 1787

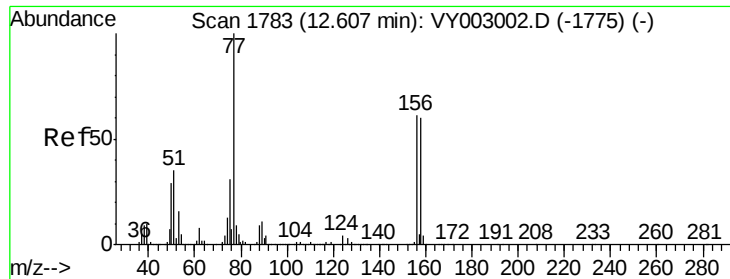
Delta R.T. 0.00 min

Lab File: VY003154.D

Acq: 09 Jul 2020 19:24

Tgt Ion:	75	Resp:	156411
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





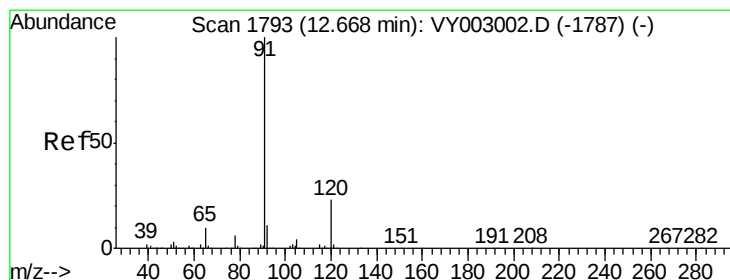
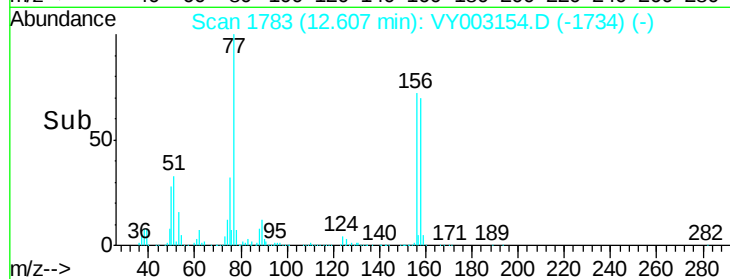
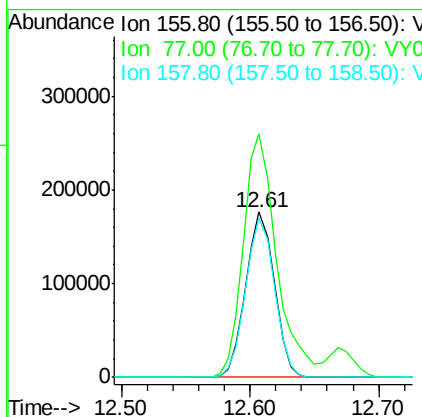
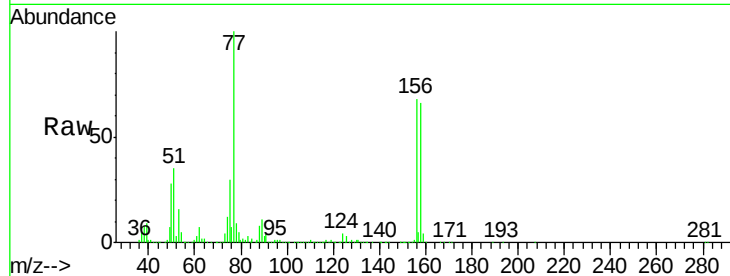
#77
Bromobenzene
Concen: 53.158 ug/l
RT: 12.61 min Scan# 1783
Delta R.T. 0.00 min
Lab File: VY003154.D
Acq: 09 Jul 2020 19:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	170.7	90.0	270.0
158	97.3	48.5	145.5

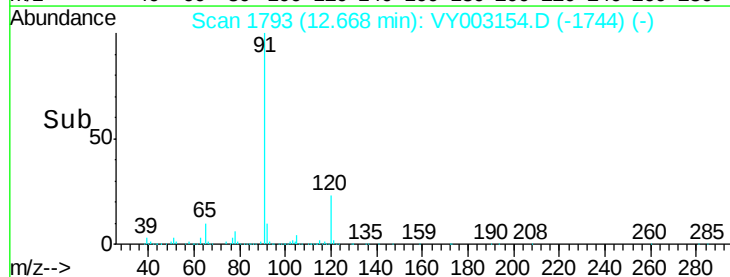
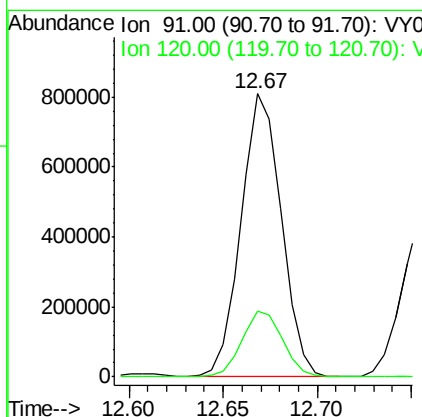
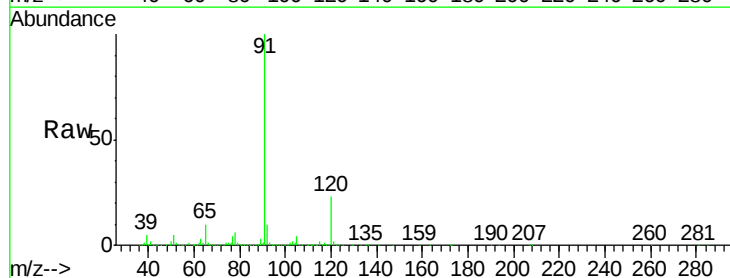
Manual Integrations
APPROVED

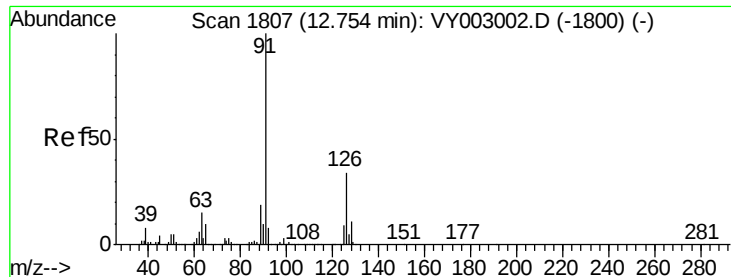
MMDadoda
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#78
n-propylbenzene
Concen: 50.217 ug/l
RT: 12.67 min Scan# 1793
Delta R.T. 0.00 min
Lab File: VY003154.D
Acq: 09 Jul 2020 19:24

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.5	11.5	34.5





#79

2-Chlorotoluene

Concen: 50.724 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VY003154.D

Acq: 09 Jul 2020 19:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 677308

Ion Ratio Lower Upper

91 100

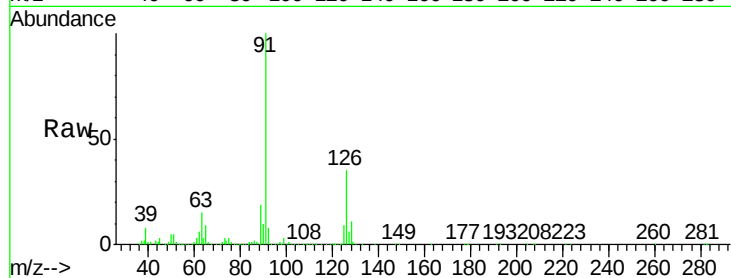
126 36.1 17.1 51.3

Manual Integrations

APPROVED

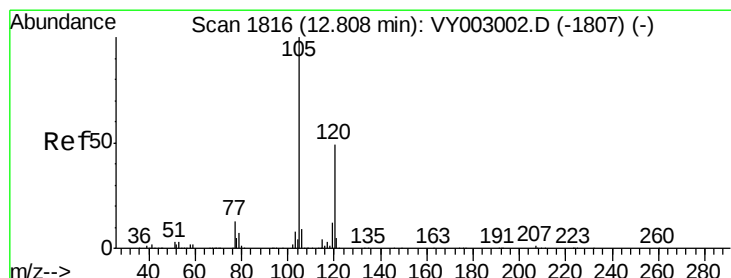
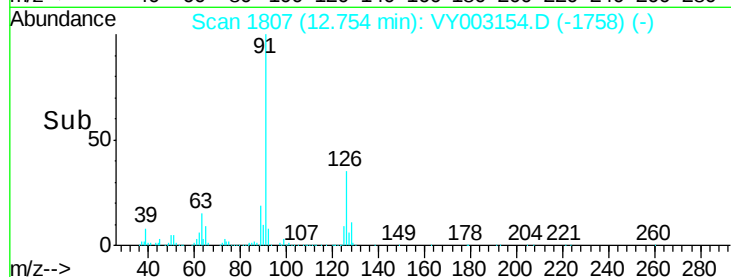
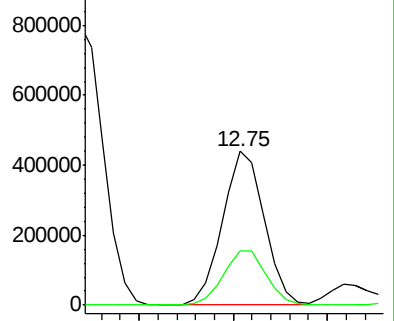
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Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 51.115 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. 0.00 min

Lab File: VY003154.D

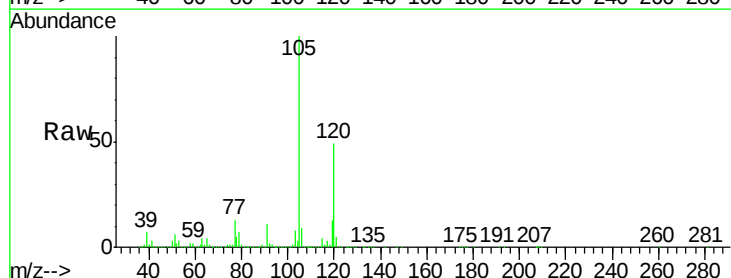
Acq: 09 Jul 2020 19:24

Tgt Ion: 105 Resp: 853203

Ion Ratio Lower Upper

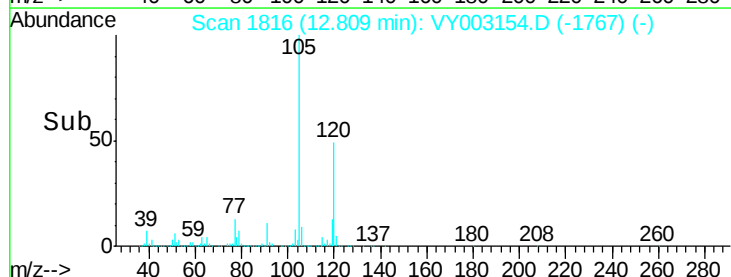
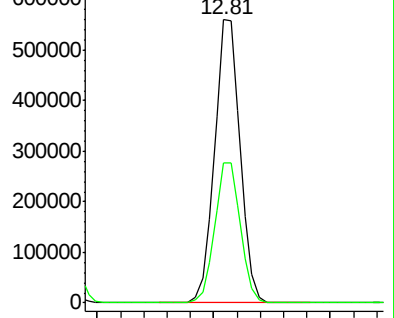
105 100

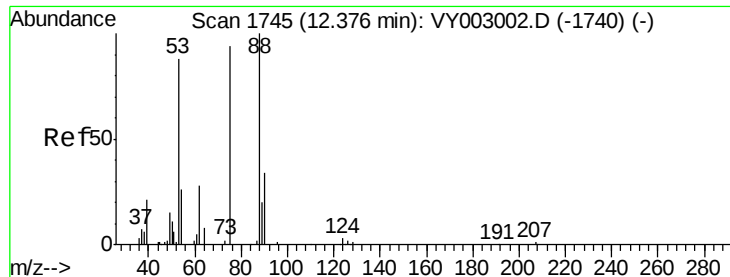
120 49.8 24.6 73.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 49.827 ug/l

RT: 12.38 min Scan# 1746

Delta R.T. 0.01 min

Lab File: VY003154.D

Acq: 09 Jul 2020 19:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 77036

Ion Ratio Lower Upper

75 100

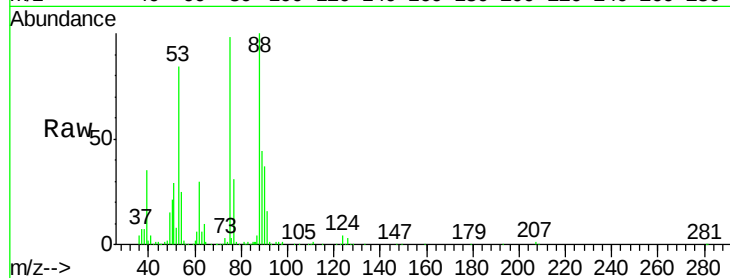
53 87.0 73.9 110.9

89 47.5 37.5 56.3

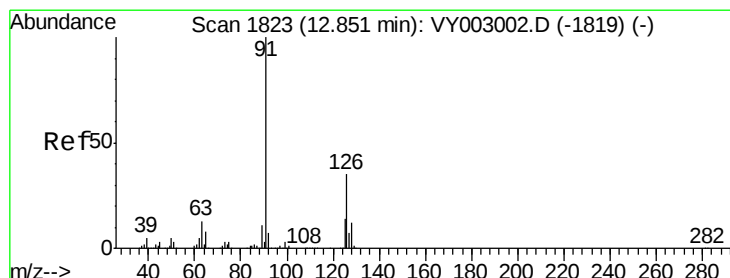
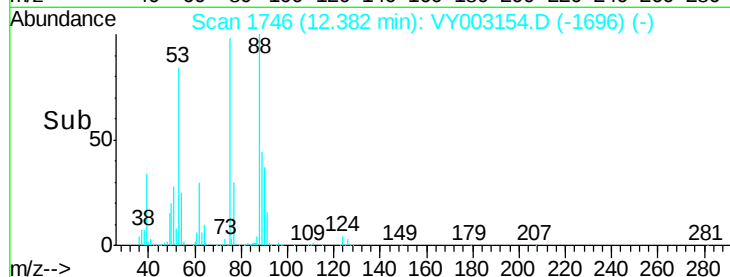
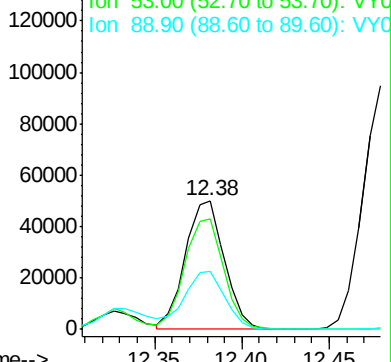
Manual Integrations
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Abundance Ion 74.90 (74.60 to 75.60): VY0
Ion 53.00 (52.70 to 53.70): VY0
Ion 88.90 (88.60 to 89.60): VY0



#82

4-Chlorotoluene

Concen: 51.533 ug/l

RT: 12.85 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VY003154.D

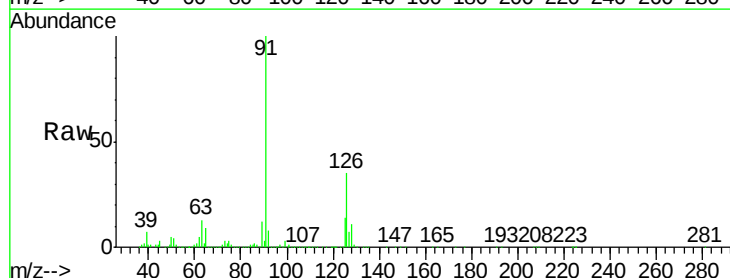
Acq: 09 Jul 2020 19:24

Tgt Ion: 91 Resp: 716430

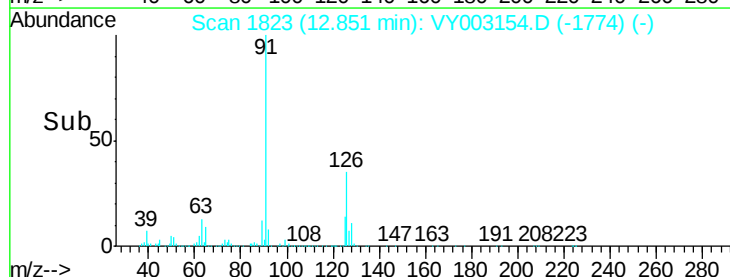
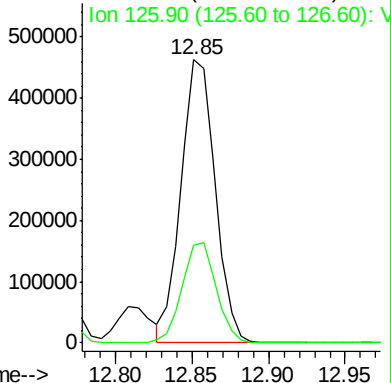
Ion Ratio Lower Upper

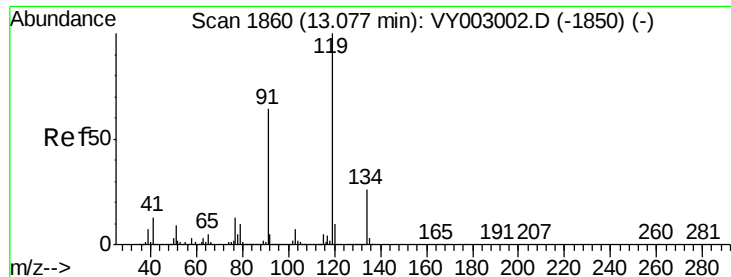
91 100

126 35.5 17.4 52.3



Abundance Ion 91.00 (90.70 to 91.70): VY0
Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 51.690 ug/l

RT: 13.08 min Scan# 1860

Delta R.T. 0.00 min

Lab File: VY003154.D

Acq: 09 Jul 2020 19:24

Instrument :

MSVOA_Y

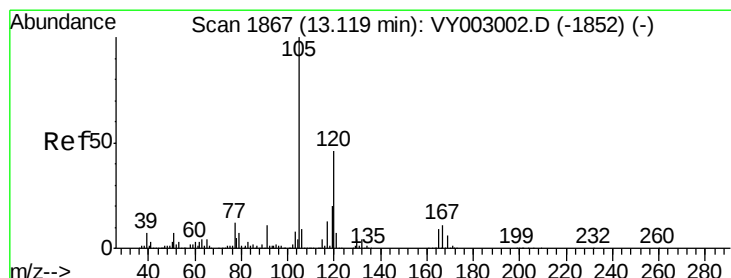
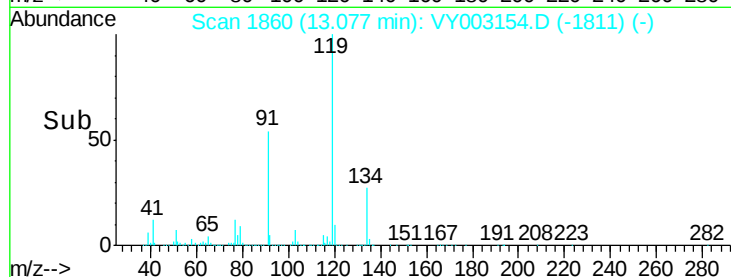
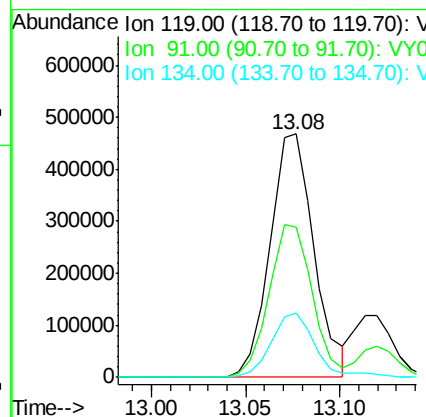
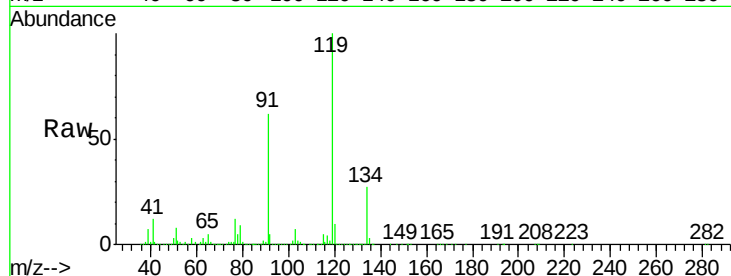
ClientSampleId :

VSTDCCC050EC

Tot Ion:	119	Resp:	757591
Ion Ratio	Lower	Upper	
119	100		
91	61.5	31.6	95.0
134	26.6	13.2	39.5

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 51.656 ug/l

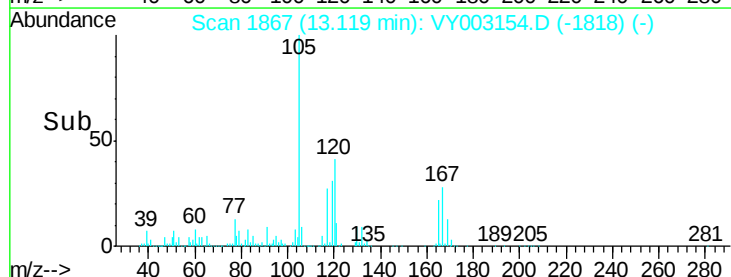
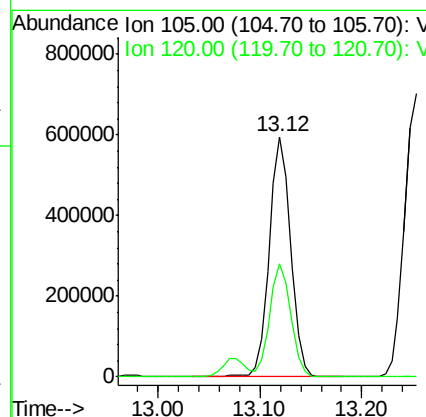
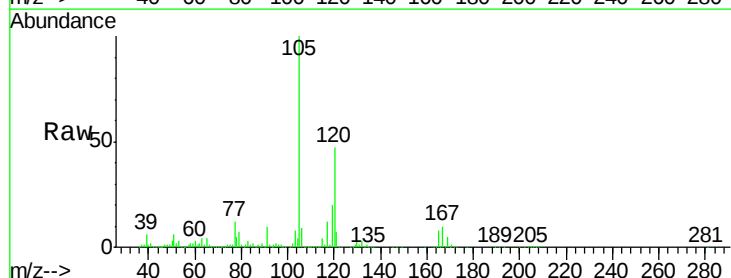
RT: 13.12 min Scan# 1867

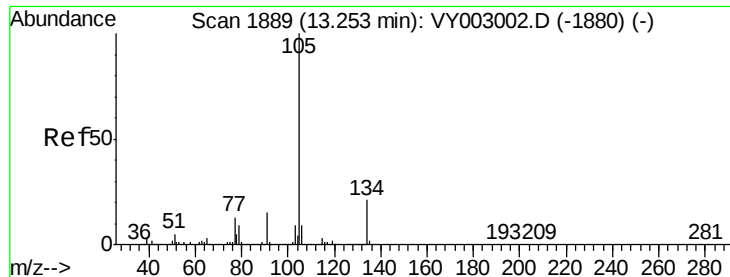
Delta R.T. 0.00 min

Lab File: VY003154.D

Acq: 09 Jul 2020 19:24

Tgt Ion:	105	Resp:	868833
Ion Ratio	Lower	Upper	
105	100		
120	46.2	22.6	67.8





#85

sec-Butylbenzene

Concen: 51.238 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. 0.00 min

Lab File: VY003154.D

Acq: 09 Jul 2020 19:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1035102

Ion Ratio Lower Upper

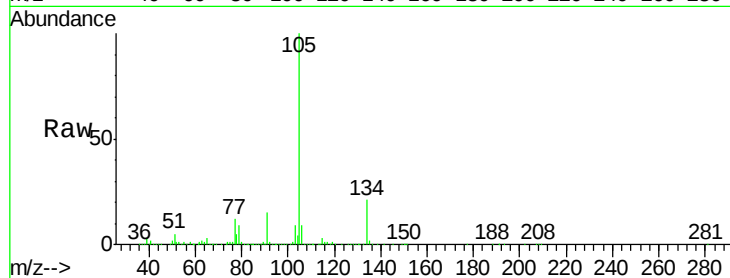
105 100

134 21.0 10.4 31.2

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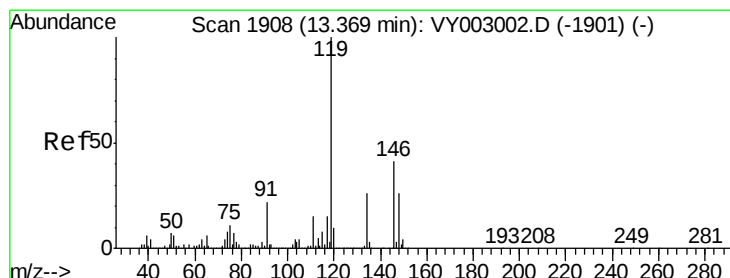
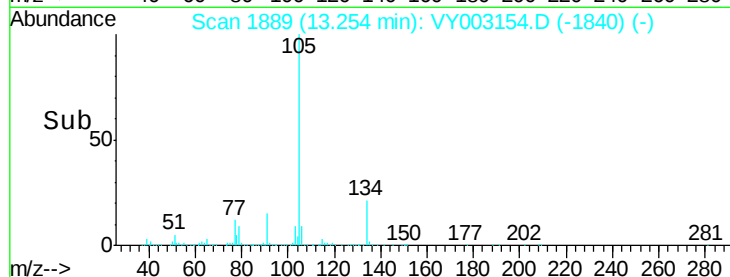
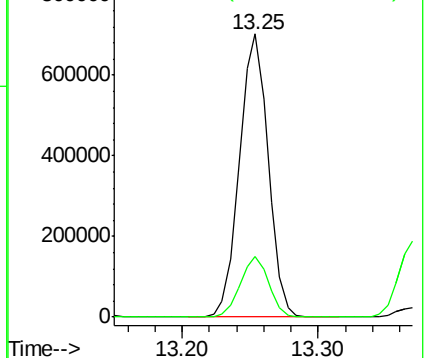
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 51.471 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. 0.00 min

Lab File: VY003154.D

Acq: 09 Jul 2020 19:24

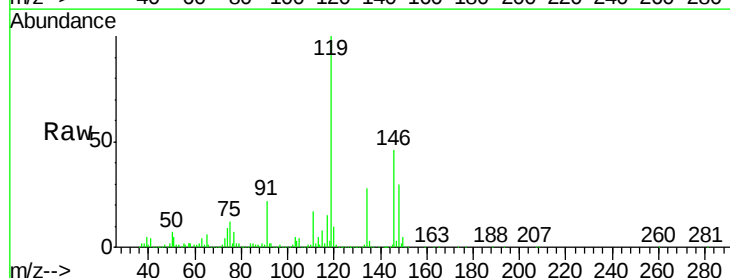
Tgt Ion:119 Resp: 963504

Ion Ratio Lower Upper

119 100

134 26.9 13.5 40.4

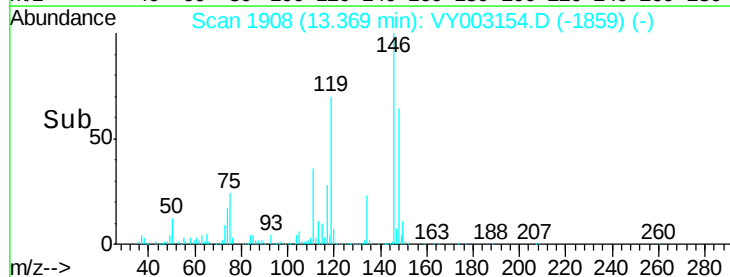
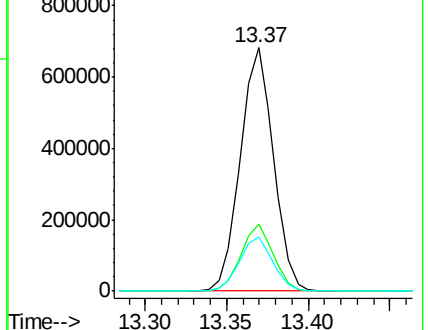
91 22.2 11.5 34.5

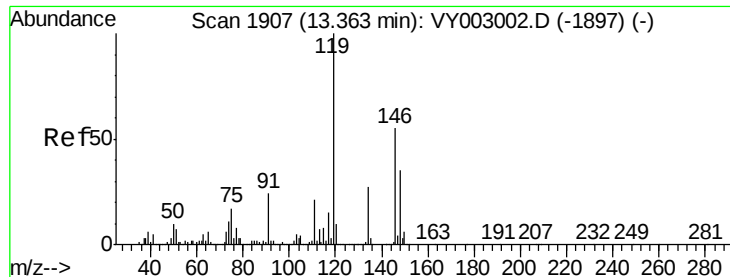


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0





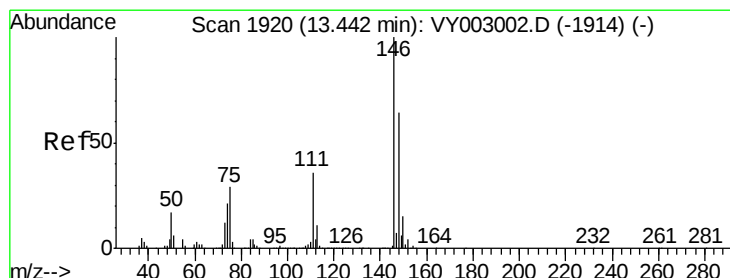
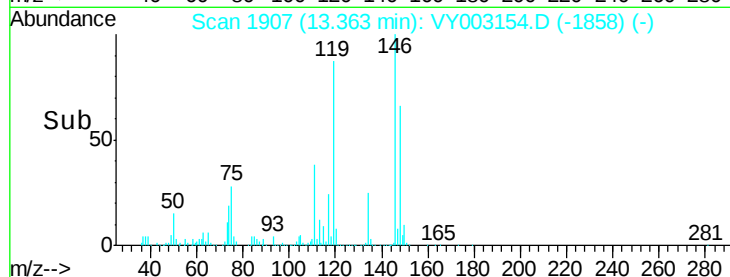
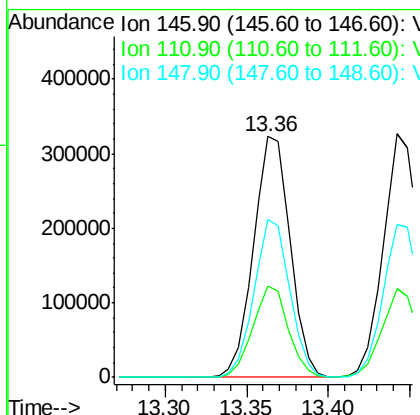
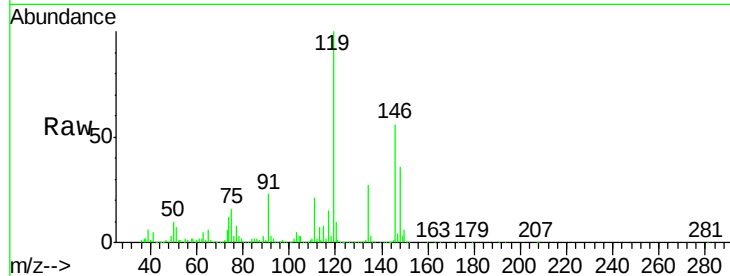
#87
 1,3-Dichlorobenzene
 Concen: 52.907 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. 0.00 min
 Lab File: VY003154.D
 Acq: 09 Jul 2020 19:24

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	503768		
111	36.8		18.8	56.3
148	64.0		31.8	95.3

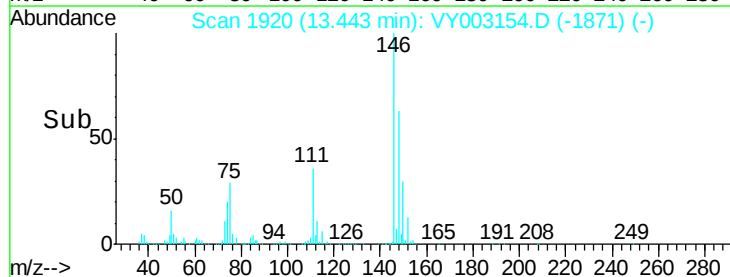
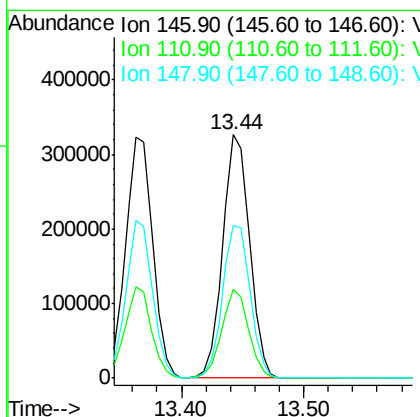
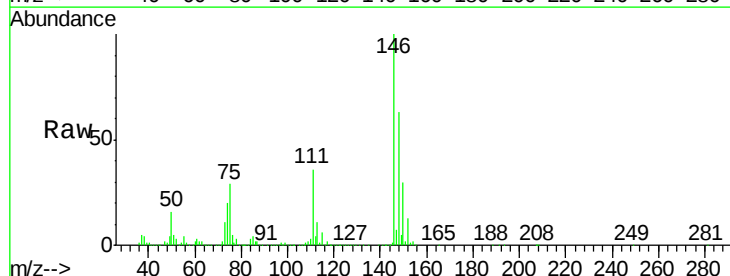
Manual Integrations
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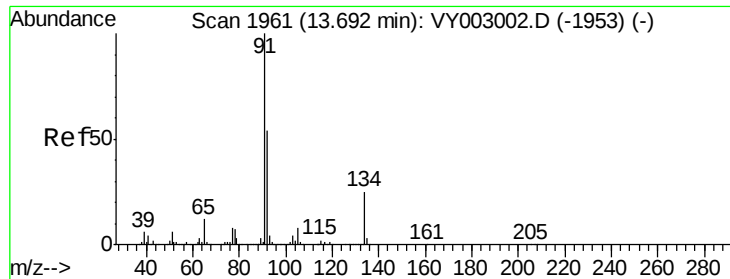
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#88
 1,4-Dichlorobenzene
 Concen: 52.951 ug/l
 RT: 13.44 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VY003154.D
 Acq: 09 Jul 2020 19:24

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	497163		
111	36.2		18.4	55.4
148	64.4		32.3	96.9





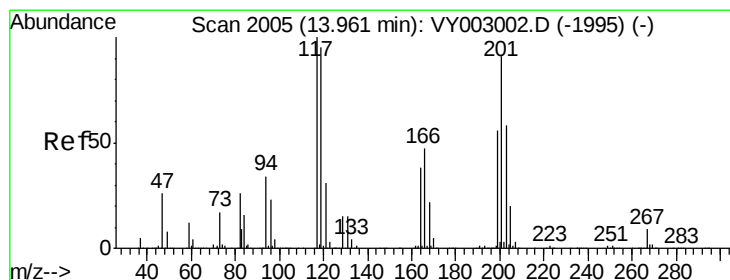
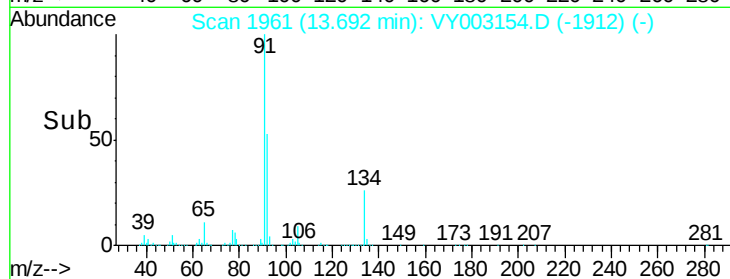
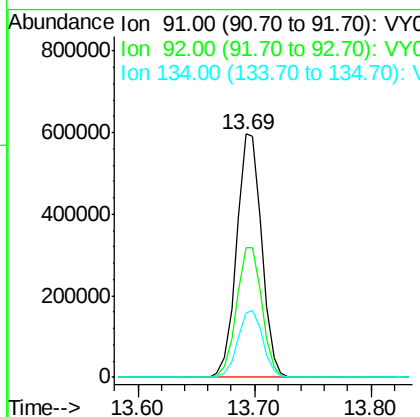
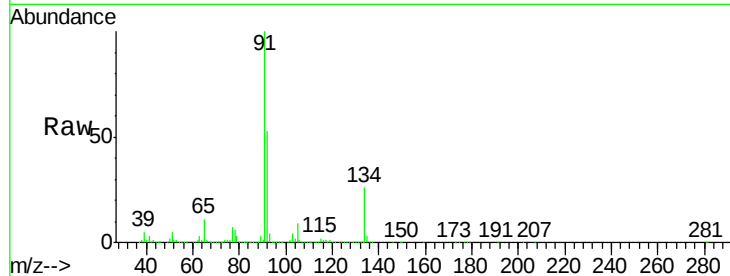
#89
n-Butylbenzene
Concen: 49.653 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. 0.00 min
Lab File: VY003154.D
Acq: 09 Jul 2020 19:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.9	26.8	80.3
134	27.5	13.1	39.1

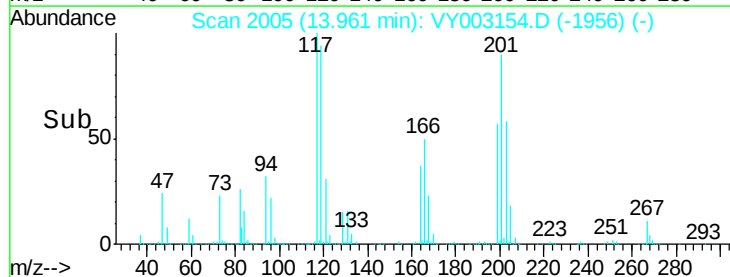
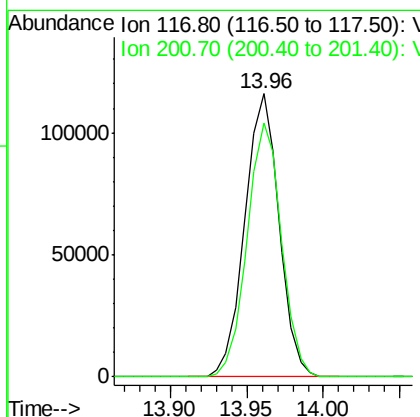
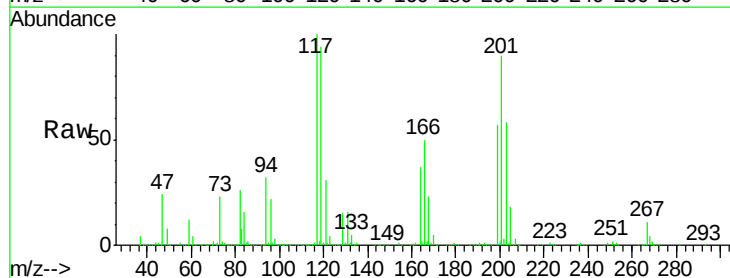
Manual Integrations
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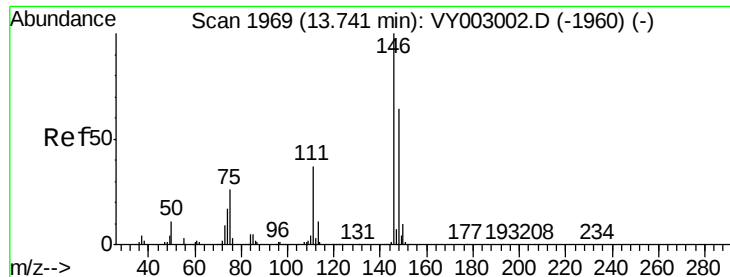
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#90
Hexachloroethane
Concen: 48.643 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. 0.00 min
Lab File: VY003154.D
Acq: 09 Jul 2020 19:24

Tgt Ion	Ratio	Lower	Upper
117	100		
201	89.8	45.5	136.4





#91

1,2-Dichlorobenzene

Concen: 52.827 ug/l

RT: 13.74 min Scan# 1968

Delta R.T. -0.01 min

Lab File: VY003154.D

Acq: 09 Jul 2020 19:24

Instrument :

MSVOA_Y

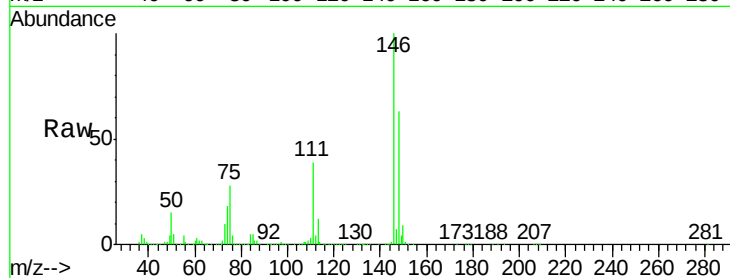
ClientSampleId :

VSTDCCC050EC

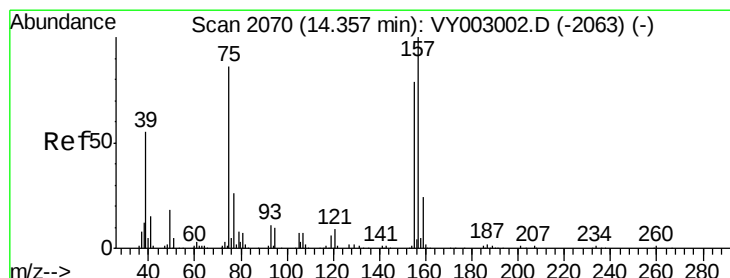
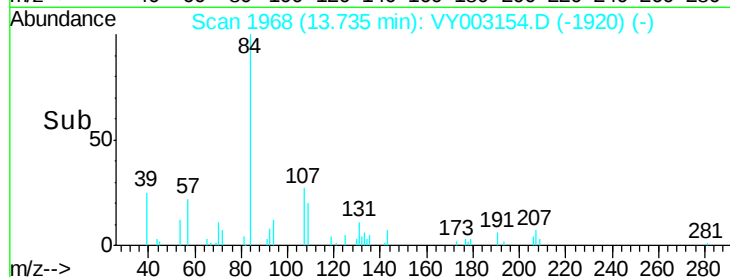
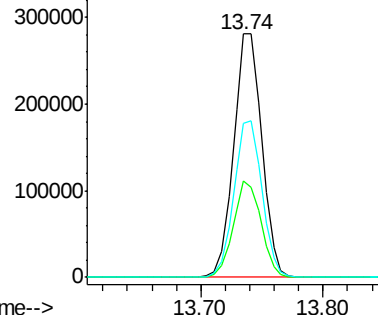
Tot Ion:	146	Resp:	451302
Ion Ratio	Lower	Upper	
146	100		
111	38.9	19.1	57.5
148	64.1	31.8	95.3

Manual Integrations
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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 48.573 ug/l

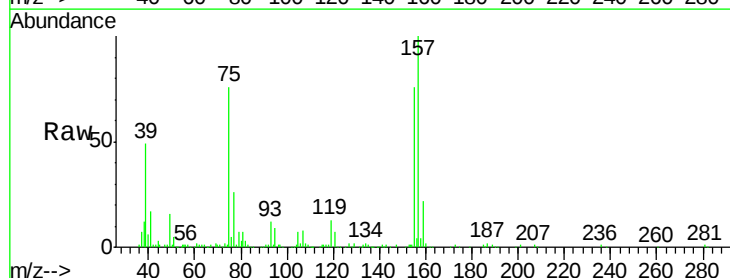
RT: 14.36 min Scan# 2070

Delta R.T. 0.00 min

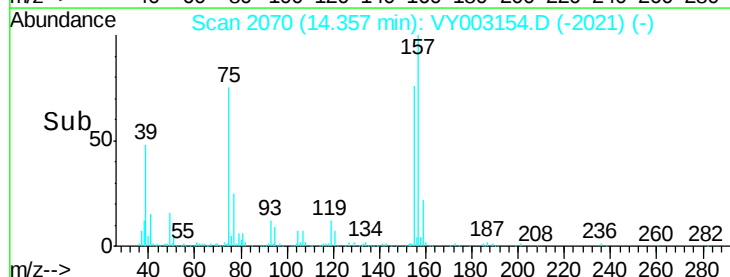
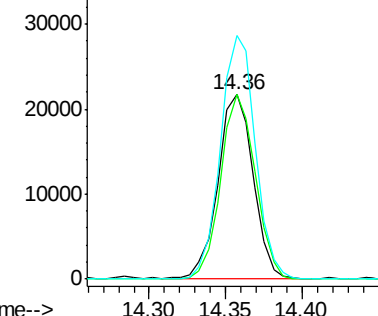
Lab File: VY003154.D

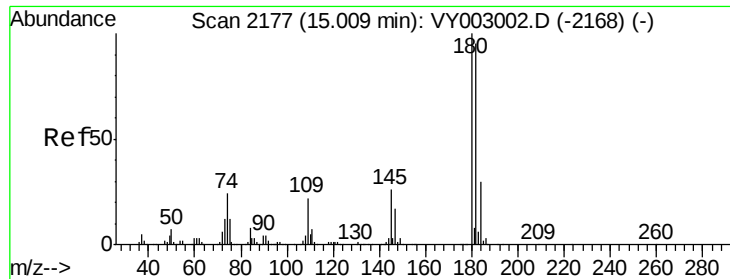
Acq: 09 Jul 2020 19:24

Tgt Ion:	75	Resp:	34516
Ion Ratio	Lower	Upper	
75	100		
155	98.9	46.5	139.3
157	131.6	59.2	177.5



Abundance Ion 74.90 (74.60 to 75.60): VY0
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





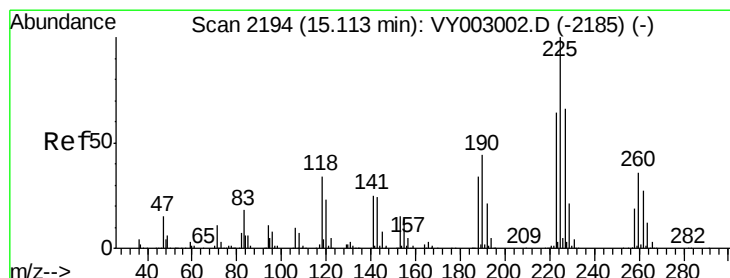
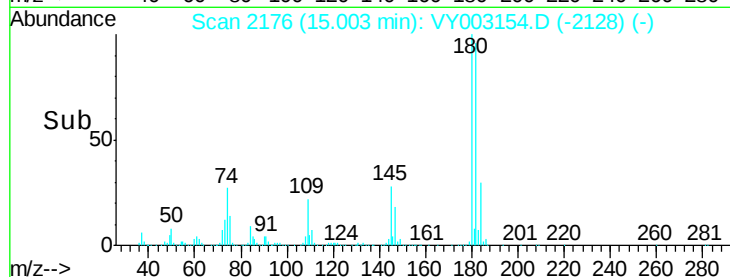
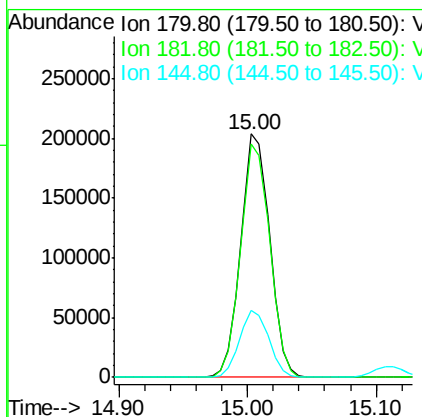
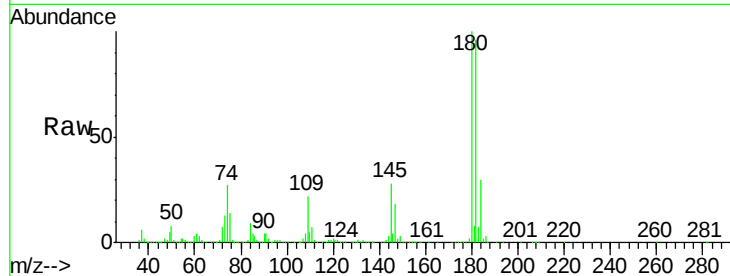
#93
 1,2,4-Trichlorobenzene
 Concen: 50.019 ug/l
 RT: 15.00 min Scan# 2176
 Delta R.T. -0.01 min
 Lab File: VY003154.D
 Acq: 09 Jul 2020 19:24

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	317525		
182	96.4	48.1	144.3	
145	28.2	13.9	41.6	

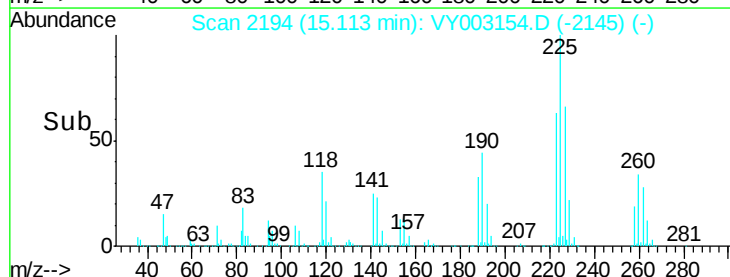
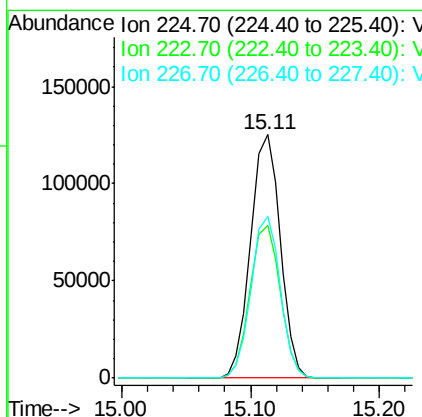
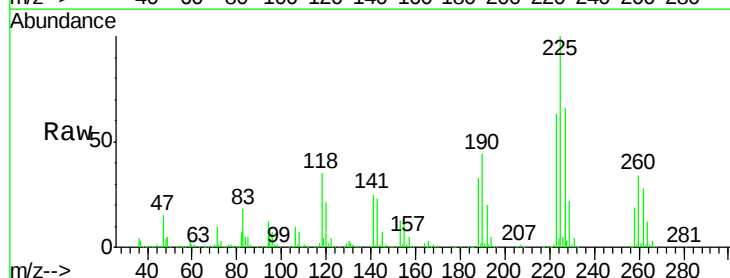
Manual Integrations
 APPROVED

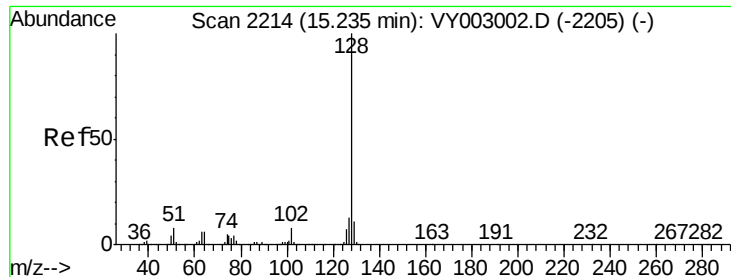
MMDadoda
 7/10/2020 12:18:38 PM



#94
 Hexachlorobutadiene
 Concen: 49.803 ug/l
 RT: 15.11 min Scan# 2194
 Delta R.T. 0.00 min
 Lab File: VY003154.D
 Acq: 09 Jul 2020 19:24

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	199416		
223	63.7	32.4	97.0	
227	65.1	32.4	97.2	





#95

Naphthalene

Concen: 49.550 ug/l

RT: 15.23 min Scan# 2214

Delta R.T. 0.00 min

Lab File: VY003154.D

Acq: 09 Jul 2020 19:24

Instrument :

MSVOA_Y

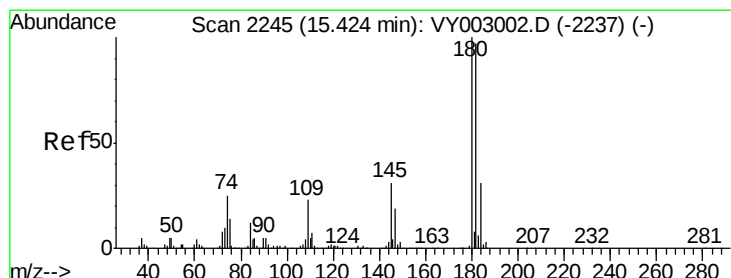
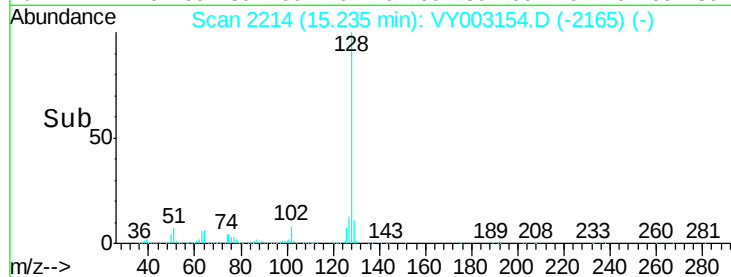
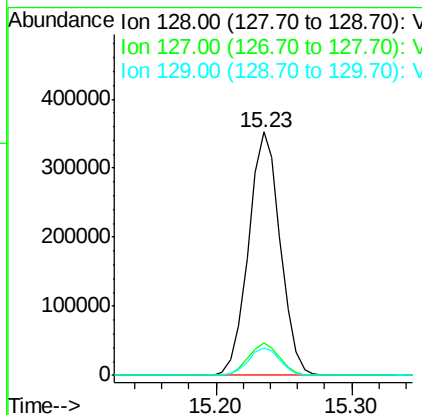
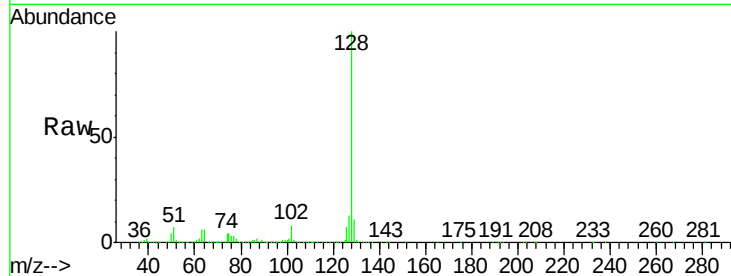
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	574515
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.8	16.2
129	11.2	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
7/10/2020 12:18:38 PM



#96

1,2,3-Trichlorobenzene

Concen: 47.388 ug/l

RT: 15.42 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VY003154.D

Acq: 09 Jul 2020 19:24

Tgt Ion:	180	Resp:	261216
Ion Ratio	Lower	Upper	
180	100		
182	94.7	47.8	143.3
145	28.8	14.7	44.1

