

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY041620\
 Data File : VY002355.D
 Acq On : 16 Apr 2020 10:24
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/17/2020 11:51:53 AM

Quant Time: Apr 17 07:15:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y040820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 08 15:15:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	164476	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	291335	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	256343	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	112514	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	74506	40.73	ug/l	0.00
Spiked Amount						
			Recovery	=	81.46%	
35) Dibromofluoromethane	7.73	113	82684	47.70	ug/l	0.00
Spiked Amount						
			Recovery	=	95.40%	
50) Toluene-d8	10.18	98	344969	47.54	ug/l	0.00
Spiked Amount						
			Recovery	=	95.08%	
62) 4-Bromofluorobenzene	12.48	95	111842	46.72	ug/l	0.00
Spiked Amount						
			Recovery	=	93.44%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	86990	52.331	ug/l	96
3) Chloromethane	2.12	50	104633	50.014	ug/l	98
4) Vinyl Chloride	2.26	62	115295	51.776	ug/l	100
5) Bromomethane	2.66	94	71096	51.702	ug/l	98
6) Chloroethane	2.80	64	66197	51.546	ug/l	96
7) Trichlorofluoromethane	3.14	101	148906	51.780	ug/l	97
8) Diethyl Ether	3.54	74	60614	49.580	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.91	101	104558	53.525	ug/l	99
10) Methyl Iodide	4.10	142	122075	53.762	ug/l	97
11) Tert butyl alcohol	4.97	59	39352	194.536	ug/l	97
12) 1,1-Dichloroethene	3.88	96	108793	54.780	ug/l	94
13) Acrolein	3.74	56	50175	212.752	ug/l	99
14) Allyl chloride	4.49	41	154860	48.287	ug/l	96
15) Acrylonitrile	5.18	53	136468	218.284	ug/l	99
16) Acetone	3.96	43	128637	267.020	ug/l	94
17) Carbon Disulfide	4.21	76	348274	52.803	ug/l	98
18) Methyl Acetate	4.49	43	61247	40.987	ug/l	95
19) Methyl tert-butyl Ether	5.24	73	245643	47.048	ug/l	96
20) Methylene Chloride	4.72	84	114687	48.435	ug/l	94
21) trans-1,2-Dichloroethene	5.23	96	117522	52.720	ug/l	96
22) Diisopropyl ether	6.13	45	309797	48.001	ug/l	97
23) Vinyl Acetate	6.08	43	913956	222.217	ug/l	97
24) 1,1-Dichloroethane	6.03	63	186651	50.845	ug/l	98
25) 2-Butanone	7.00	43	166916	218.937	ug/l	93
26) 2,2-Dichloropropane	6.99	77	153340	49.935	ug/l	98
27) cis-1,2-Dichloroethene	7.00	96	127707	52.554	ug/l	94
28) Bromochloromethane	7.35	49	70539	44.513	ug/l	94
29) Tetrahydrofuran	7.35	42	99555	197.545	ug/l	95
30) Chloroform	7.52	83	179308	51.816	ug/l	96
31) Cyclohexane	7.79	56	187584	48.680	ug/l	96
32) 1,1,1-Trichloroethane	7.71	97	150330	52.193	ug/l	99
36) 1,1-Dichloropropene	7.92	75	150342	52.391	ug/l	97
37) Ethyl Acetate	7.08	43	65755	40.110	ug/l	95
38) Carbon Tetrachloride	7.91	117	131026	53.380	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	207736	53.217	ug/l	96
40) Benzene	8.17	78	462022	53.067	ug/l	99
41) Methacrylonitrile	7.34	41	44103m	45.605	ug/l	
42) 1,2-Dichloroethane	8.25	62	100550	46.622	ug/l	98
43) Isopropyl Acetate	8.28	43	125123	41.850	ug/l	96
44) Trichloroethene	8.94	130	131318	51.302	ug/l	95
45) 1,2-Dichloropropane	9.22	63	111600	51.662	ug/l	99
46) Dibromomethane	9.31	93	56118	49.685	ug/l	99
47) Bromodichloromethane	9.50	83	133927	51.677	ug/l	99
48) Methyl methacrylate	9.30	41	54875	40.933	ug/l	92
49) 1,4-Dioxane	9.30	88	14316	896.029	ug/l	94
51) 4-Methyl-2-Pentanone	10.08	43	318359	204.347	ug/l	96
52) Toluene	10.25	92	281509	53.652	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	139948	49.562	ug/l	96
54) cis-1,3-Dichloropropene	9.93	75	176332	51.942	ug/l	97
55) 1,1,2-Trichloroethane	10.65	97	82905	50.136	ug/l	99
56) Ethyl methacrylate	10.52	69	112759	47.777	ug/l	92
57) 1,3-Dichloropropane	10.80	76	143147	49.250	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.79	63	275898	225.743	ug/l	99
59) 2-Hexanone	10.84	43	232451	214.983	ug/l	95
60) Dibromochloromethane	10.99	129	90783	51.486	ug/l	99
61) 1,2-Dibromoethane	11.10	107	78404	49.804	ug/l	100
64) Tetrachloroethene	10.72	164	139834	53.955	ug/l	97
65) Chlorobenzene	11.52	112	289815	54.388	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	94304	53.603	ug/l	97
67) Ethyl Benzene	11.59	91	529418	54.272	ug/l	100
68) m/p-Xylenes	11.70	106	398789	109.147	ug/l	97
69) o-Xylene	12.03	106	185695	54.135	ug/l	98
70) Styrene	12.05	104	323763	54.403	ug/l	98
71) Bromoform	12.21	173	48666	50.867	ug/l #	100
73) Isopropylbenzene	12.33	105	500063	56.573	ug/l	100
74) N-amyl acetate	12.14	43	112469	44.824	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.59	83	57128	53.419	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	58679m	44.912	ug/l	
77) Bromobenzene	12.61	156	106941	54.991	ug/l	95
78) n-propylbenzene	12.67	91	607135	55.227	ug/l	99
79) 2-Chlorotoluene	12.76	91	323722	54.185	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	404247	55.298	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	34045	50.681	ug/l	96
82) 4-Chlorotoluene	12.86	91	335459	53.573	ug/l	98
83) tert-Butylbenzene	13.08	119	340453	55.600	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	399376	54.710	ug/l	100
85) sec-Butylbenzene	13.26	105	503473	55.195	ug/l	99
86) p-Isopropyltoluene	13.38	119	433563	55.225	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	205181	54.441	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	202490	52.929	ug/l	100
89) n-Butylbenzene	13.70	91	440243	54.707	ug/l	99
90) Hexachloroethane	13.97	117	81293	54.339	ug/l	98
91) 1,2-Dichlorobenzene	13.75	146	181184	52.906	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	11334	43.820	ug/l	94

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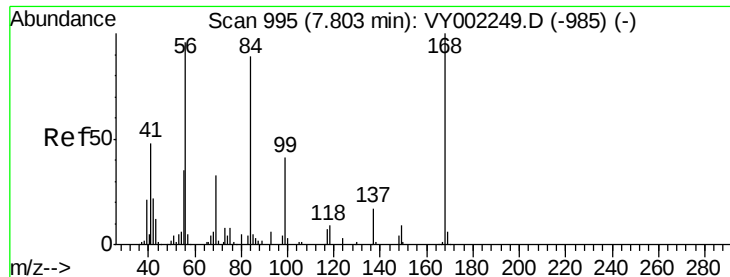
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	111579	49.846	ug/l	99
94) Hexachlorobutadiene	15.12	225	60257	53.446	ug/l	100
95) Naphthalene	15.24	128	223809	45.664	ug/l	100
96) 1,2,3-Trichlorobenzene	15.43	180	92400	47.538	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. -0.01 min

Lab File: VY002355.D

Acq: 16 Apr 2020 10:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 164476

Ion Ratio Lower Upper

168 100

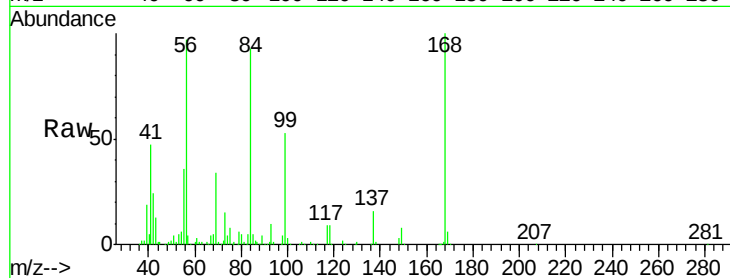
99 53.1 48.0 72.0

Manual Integrations

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4/17/2020 11:51:53 AM



Abundance Ion 167.90 (167.60 to 168.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

7.80

80000

60000

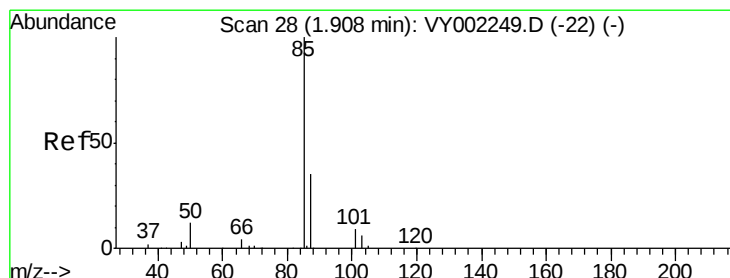
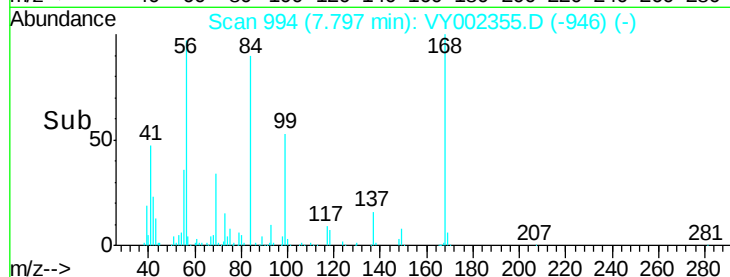
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 52.331 ug/l

RT: 1.91 min Scan# 28

Delta R.T. -0.00 min

Lab File: VY002355.D

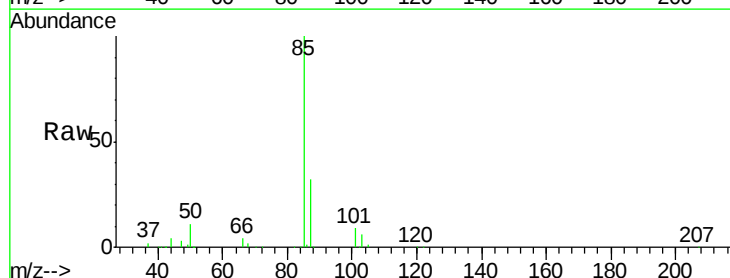
Acq: 16 Apr 2020 10:24

Tgt Ion: 85 Resp: 86990

Ion Ratio Lower Upper

85 100

87 32.5 17.3 51.9



Abundance Ion 84.90 (84.60 to 85.60): VY0

Ion 86.90 (86.60 to 87.60): VY0

1.91

60000

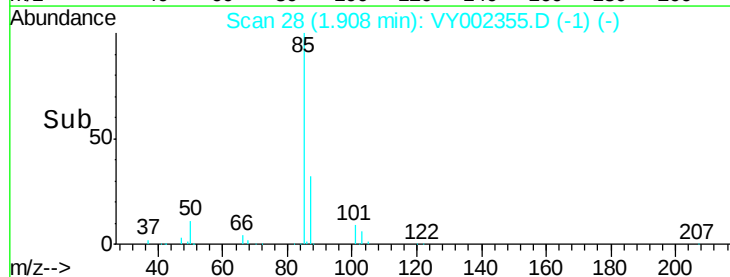
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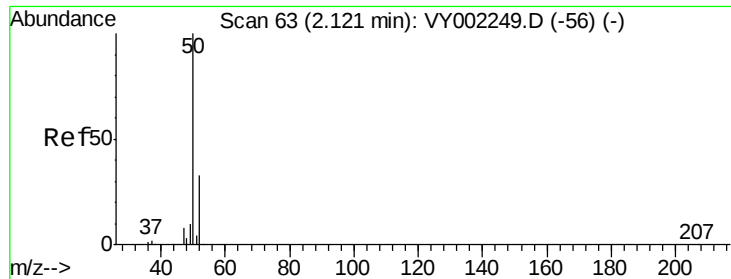
20000

0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 50.014 ug/l

RT: 2.12 min Scan# 63

Delta R.T. -0.00 min

Lab File: VY002355.D

Acq: 16 Apr 2020 10:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 104633

Ion Ratio Lower Upper

50 100

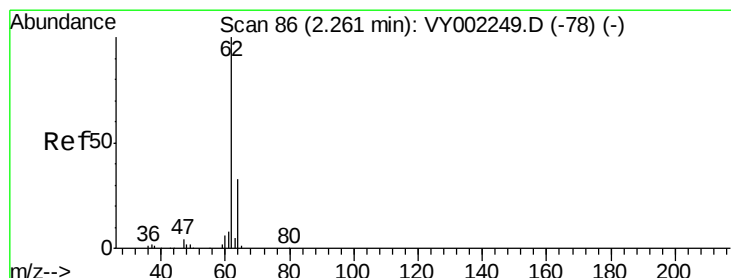
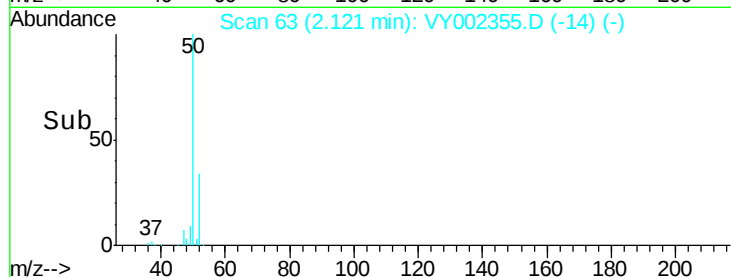
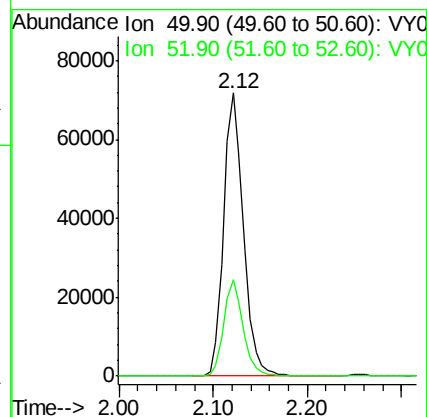
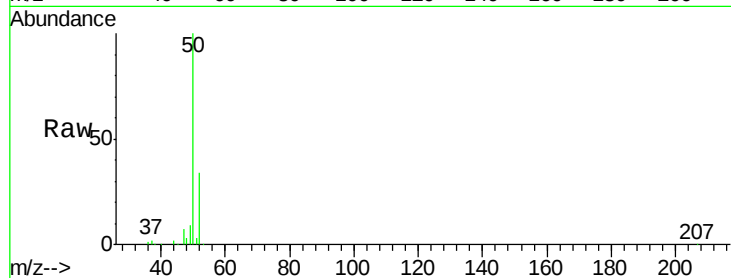
52 34.1 26.6 39.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 51.776 ug/l

RT: 2.26 min Scan# 86

Delta R.T. -0.00 min

Lab File: VY002355.D

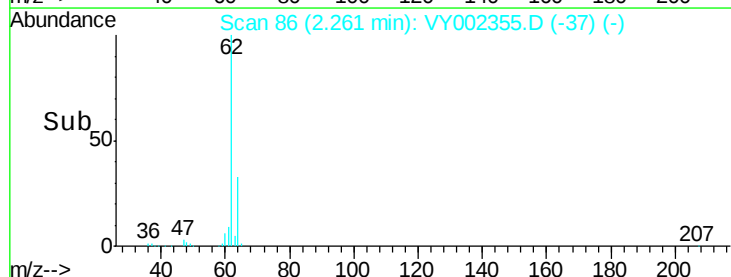
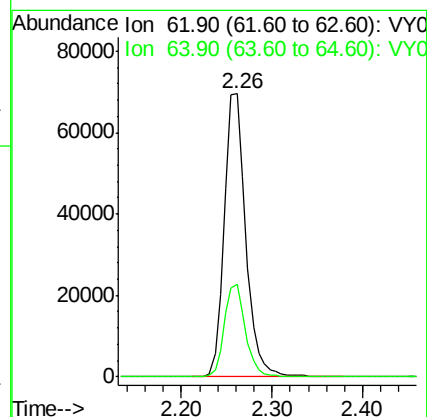
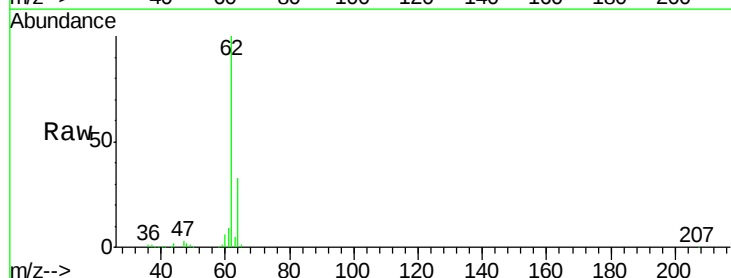
Acq: 16 Apr 2020 10:24

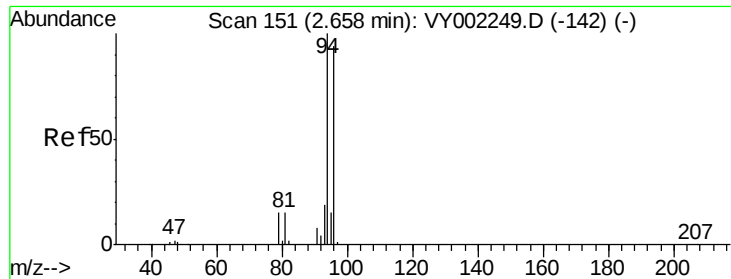
Tgt Ion: 62 Resp: 115295

Ion Ratio Lower Upper

62 100

64 32.6 26.2 39.2





#5

Bromomethane

Concen: 51.702 ug/l

RT: 2.66 min Scan# 151

Delta R.T. -0.00 min

Lab File: VY002355.D

Acq: 16 Apr 2020 10:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 71096

Ion Ratio Lower Upper

94 100

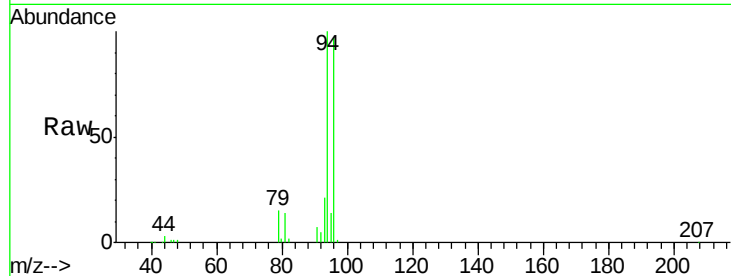
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Manual Integrations

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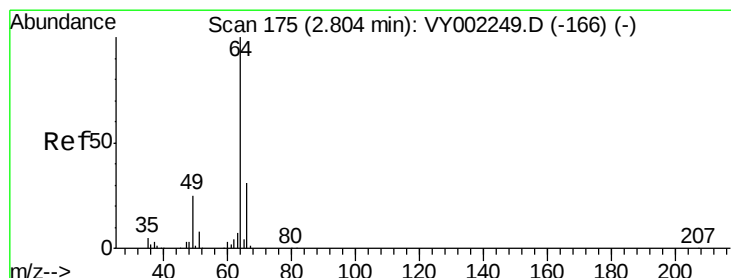
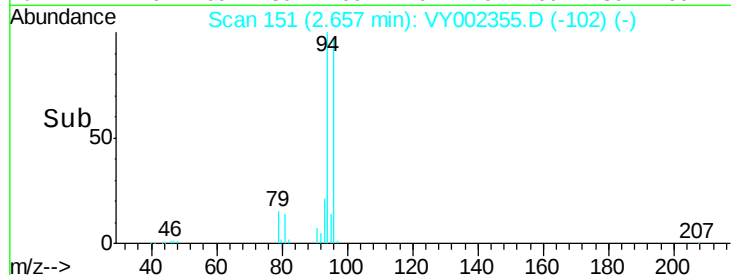
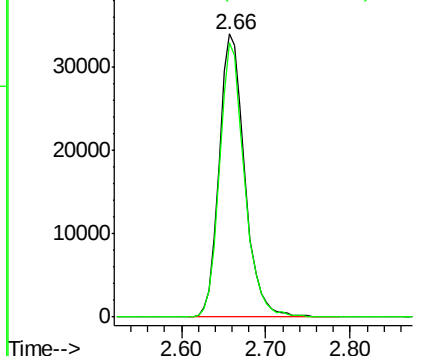
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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 51.546 ug/l

RT: 2.80 min Scan# 175

Delta R.T. -0.00 min

Lab File: VY002355.D

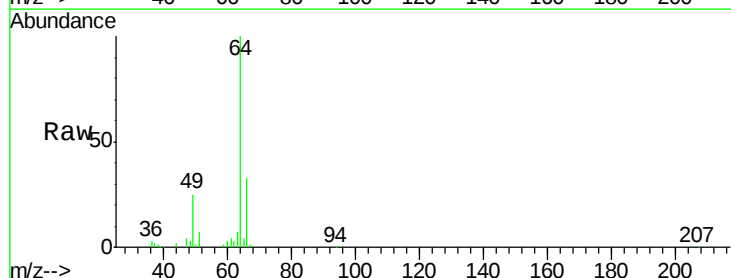
Acq: 16 Apr 2020 10:24

Tgt Ion: 64 Resp: 66197

Ion Ratio Lower Upper

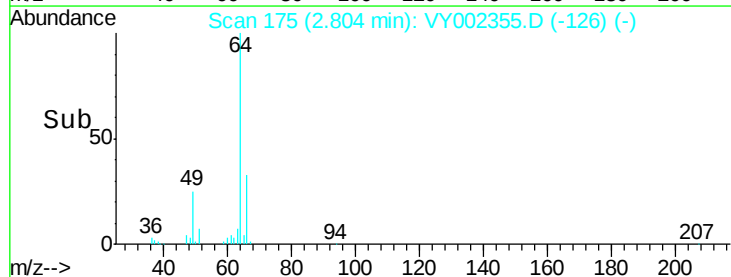
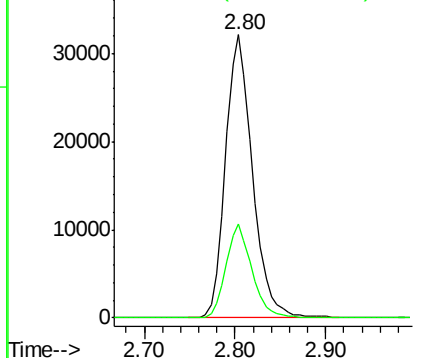
64 100

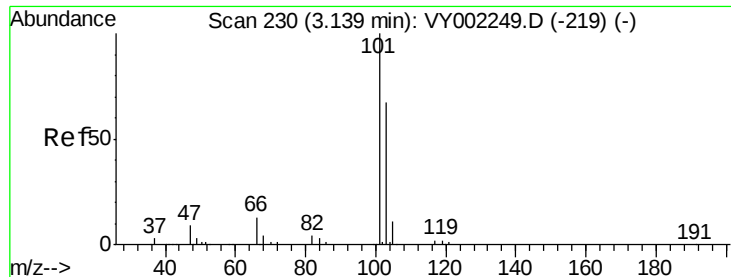
66 33.2 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

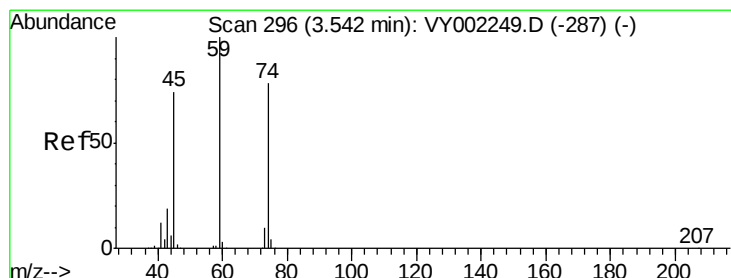
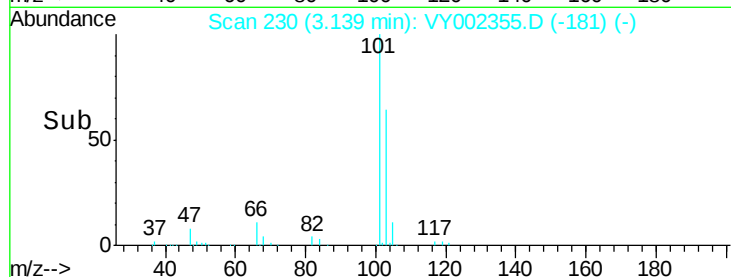
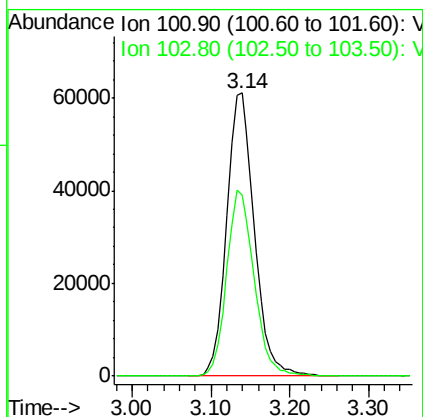
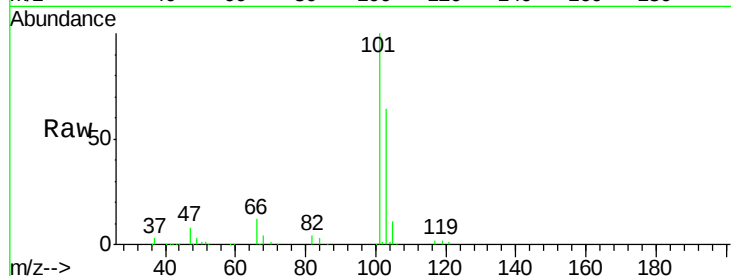
Trichlorofluoromethane
Concen: 51.780 ug/l
RT: 3.14 min Scan# 230
Delta R.T. -0.00 min
Lab File: VY002355.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.0	53.3	79.9

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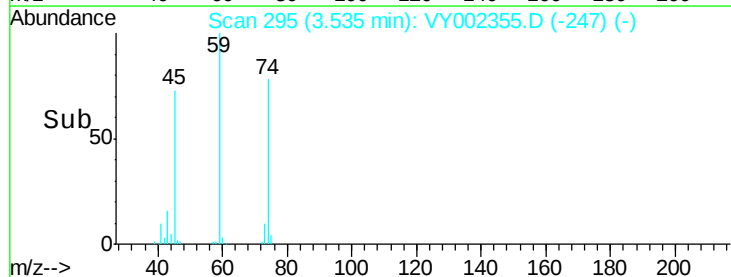
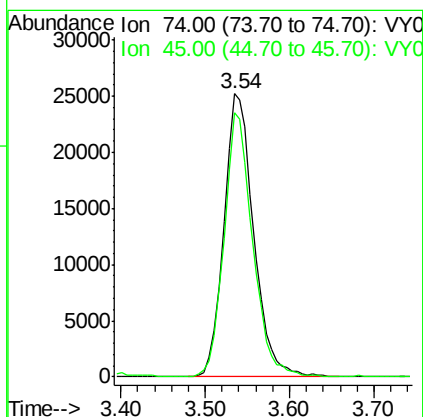
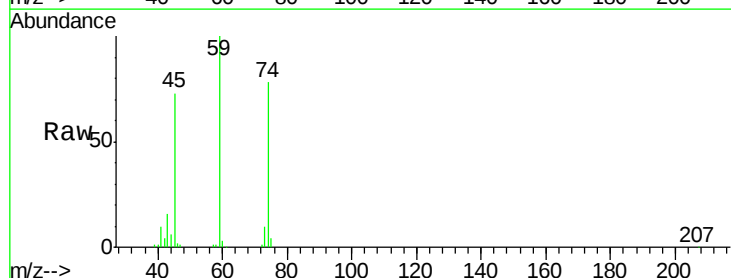
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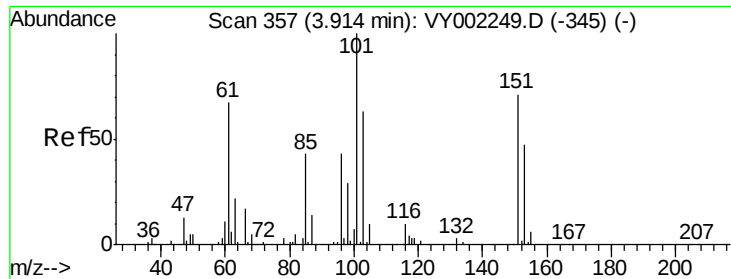


#8

Diethyl Ether
Concen: 49.580 ug/l
RT: 3.54 min Scan# 295
Delta R.T. -0.01 min
Lab File: VY002355.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	90.1	48.0	144.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.525 ug/l

RT: 3.91 min Scan# 356

Delta R.T. -0.01 min

Lab File: VY002355.D

Acq: 16 Apr 2020 10:24

Instrument :

MSVOA_Y

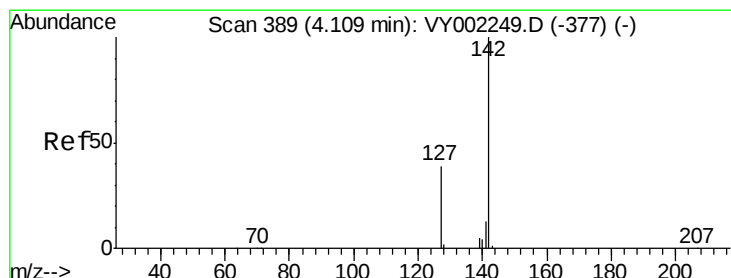
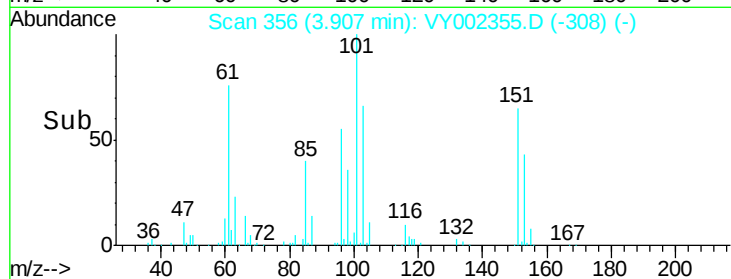
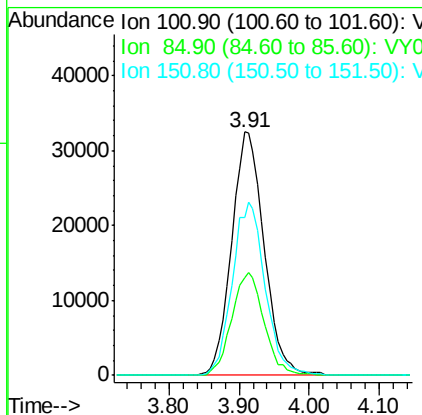
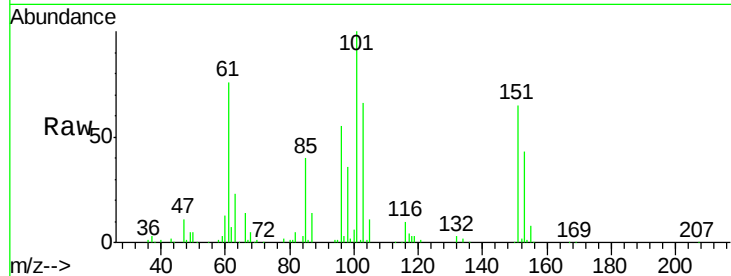
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	104558
Ion Ratio	Lower	Upper	
101	100		
85	41.8	34.6	52.0
151	71.7	57.6	86.4

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#10

Methyl Iodide

Concen: 53.762 ug/l

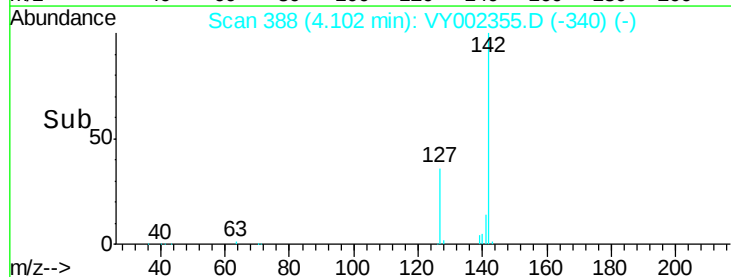
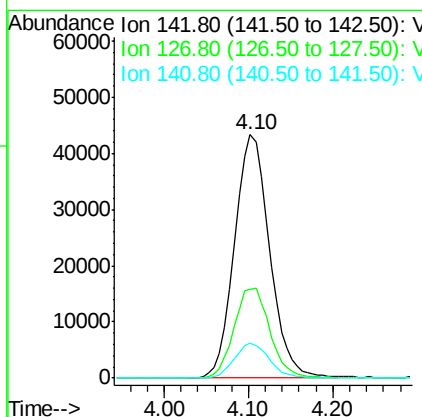
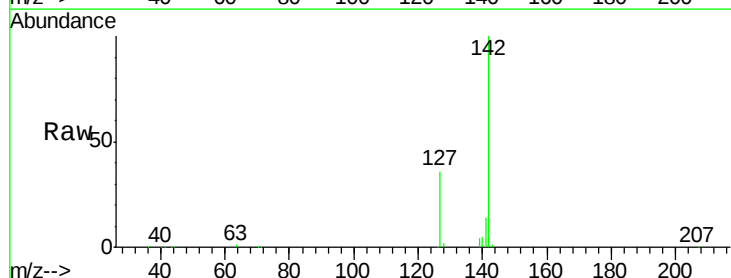
RT: 4.10 min Scan# 388

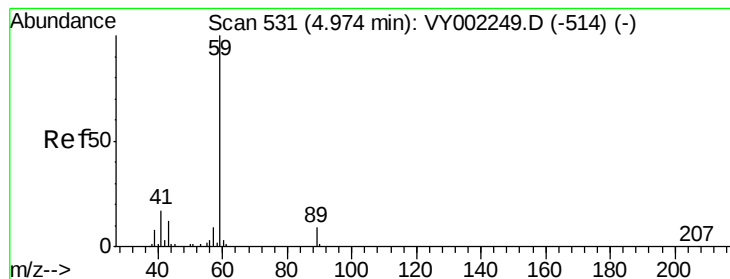
Delta R.T. -0.01 min

Lab File: VY002355.D

Acq: 16 Apr 2020 10:24

Tgt Ion:	142	Resp:	122075
Ion Ratio	Lower	Upper	
142	100		
127	37.9	32.4	48.6
141	14.2	11.2	16.8





#11

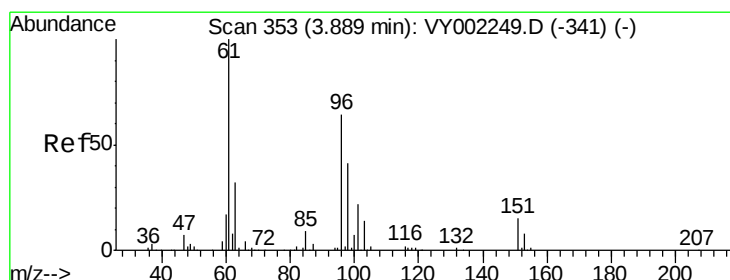
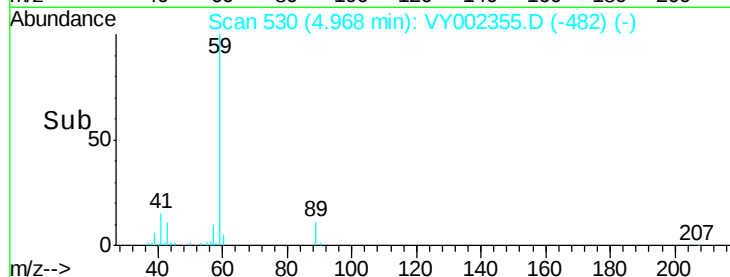
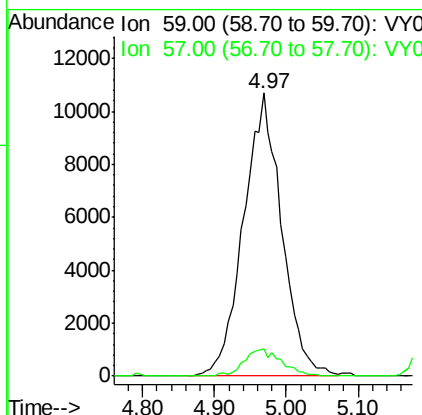
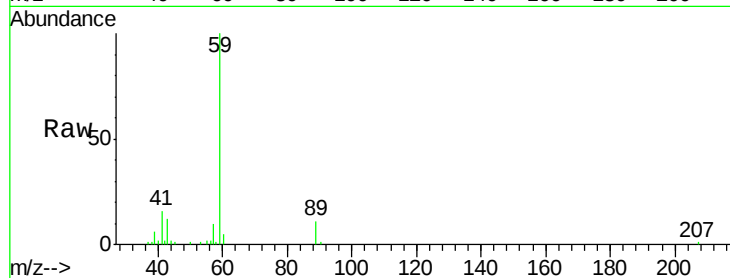
Tert butyl alcohol
 Concen: 194.536 ug/l
 RT: 4.97 min Scan# 530
 Delta R.T. -0.01 min
 Lab File: VY002355.D
 Acq: 16 Apr 2020 10:24

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
59	100	39352		
57	9.3	6.6	9.8	

Manual Integrations
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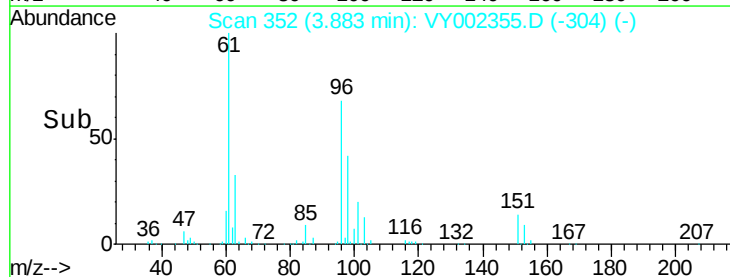
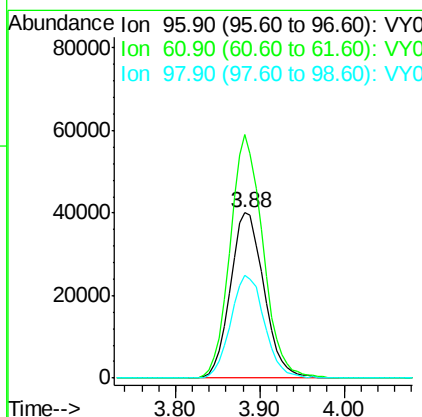
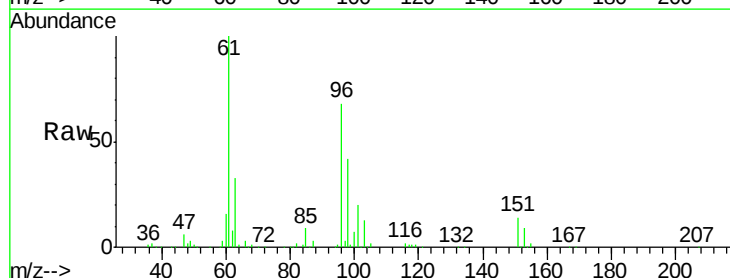
MMDadoda
 4/17/2020 11:51:53 AM

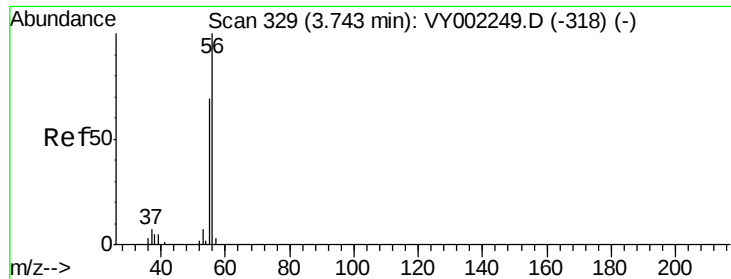


#12

1,1-Dichloroethene
 Concen: 54.780 ug/l
 RT: 3.88 min Scan# 352
 Delta R.T. -0.01 min
 Lab File: VY002355.D
 Acq: 16 Apr 2020 10:24

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	108793		
61	147.6	125.9	188.9	
98	62.6	51.1	76.7	





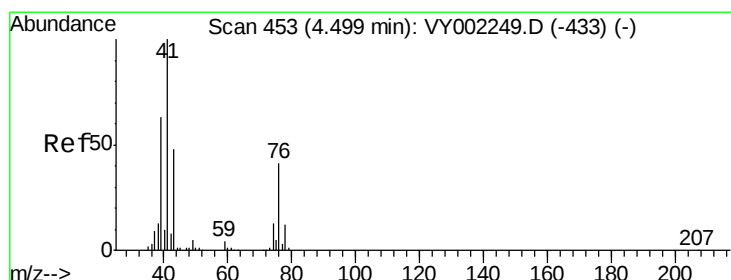
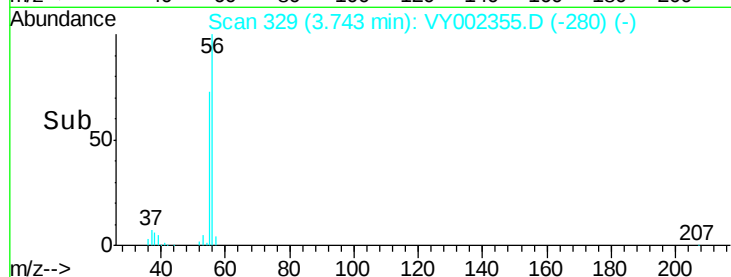
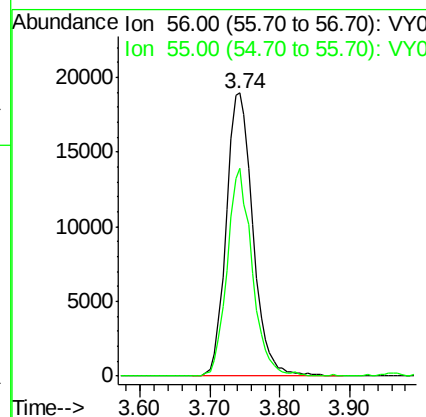
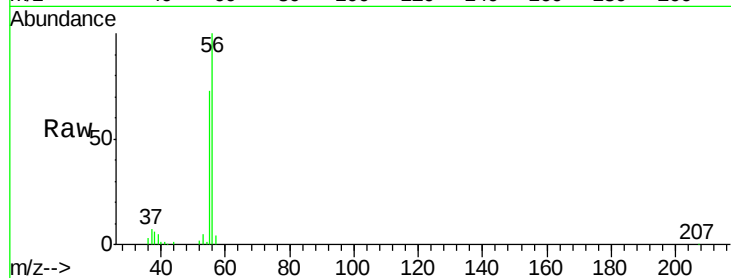
#13
Acrolein
Concen: 212.752 ug/l
RT: 3.74 min Scan# 329
Delta R.T. -0.00 min
Lab File: VY002355.D
Acq: 16 Apr 2020 10:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
55	68.8	55.8	83.8

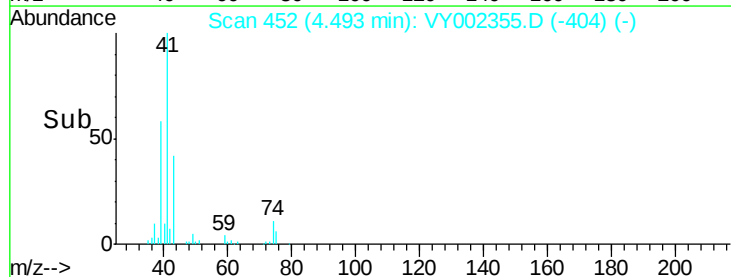
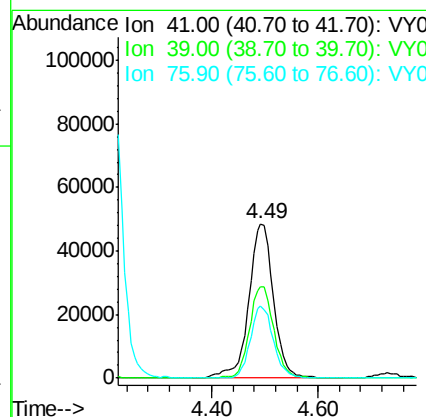
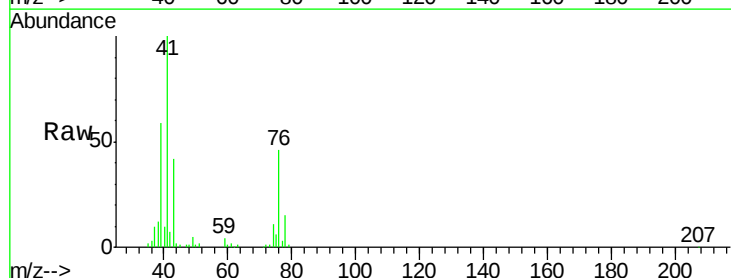
Manual Integrations
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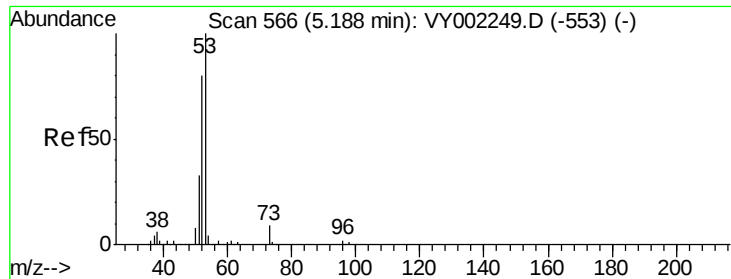
MMDadoda
4/17/2020 11:51:53 AM



#14
Allyl chloride
Concen: 48.287 ug/l
RT: 4.49 min Scan# 452
Delta R.T. -0.01 min
Lab File: VY002355.D
Acq: 16 Apr 2020 10:24

Tgt Ion	Ratio	Lower	Upper
41	100		
39	58.3	48.0	72.0
76	43.3	31.0	46.6





#15

Acrylonitrile

Concen: 218.284 ug/l

RT: 5.18 min Scan# 565

Delta R.T. -0.01 min

Lab File: VY002355.D

Acq: 16 Apr 2020 10:24

Instrument :

MSVOA_Y

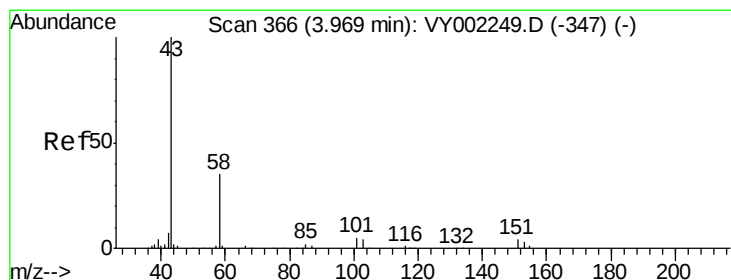
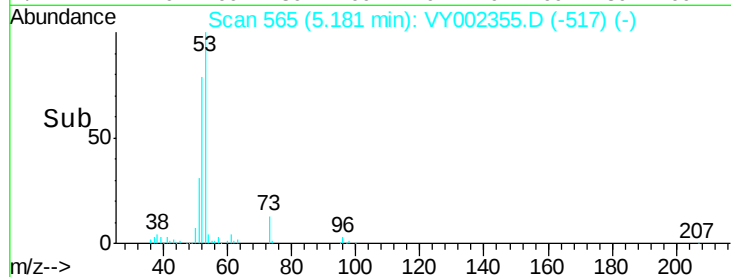
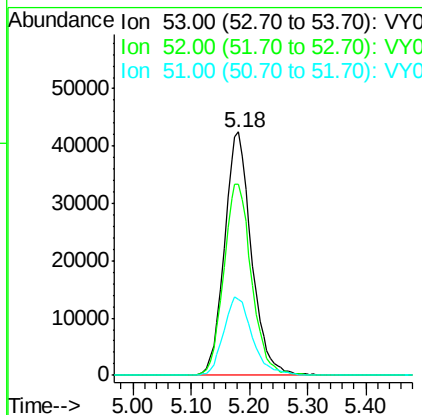
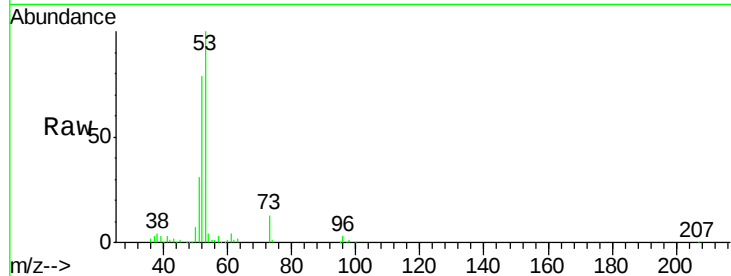
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	136468
Ion	Ratio	Lower	Upper
53	100		
52	80.6	65.1	97.7
51	34.0	27.1	40.7

Manual Integrations
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#16

Acetone

Concen: 267.020 ug/l

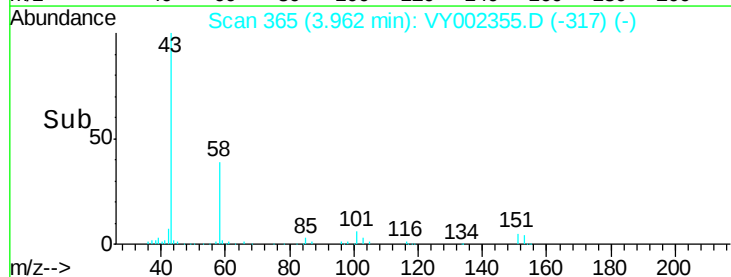
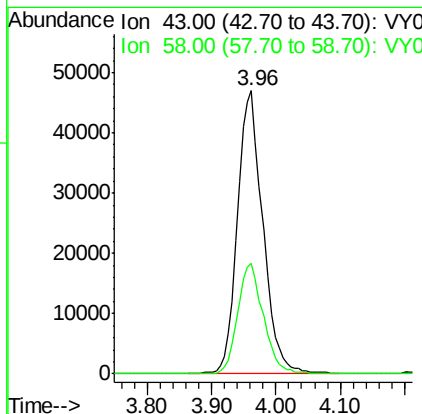
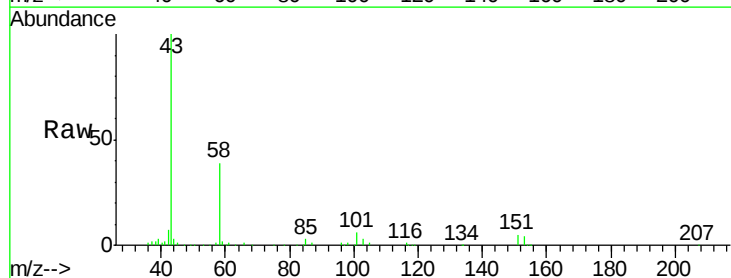
RT: 3.96 min Scan# 365

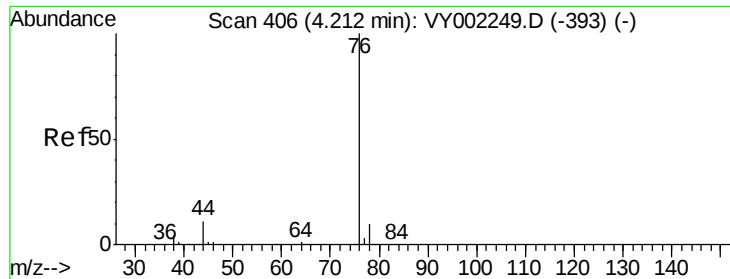
Delta R.T. -0.01 min

Lab File: VY002355.D

Acq: 16 Apr 2020 10:24

Tgt Ion:	43	Resp:	128637
Ion	Ratio	Lower	Upper
43	100		
58	39.1	28.5	42.7





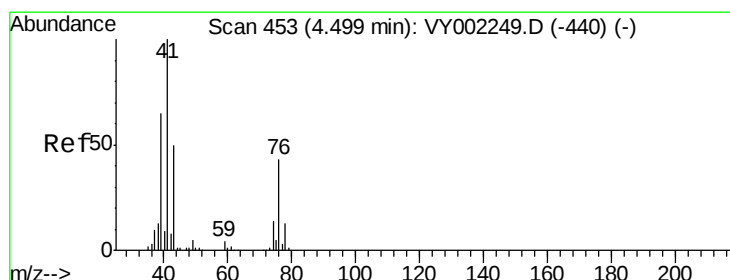
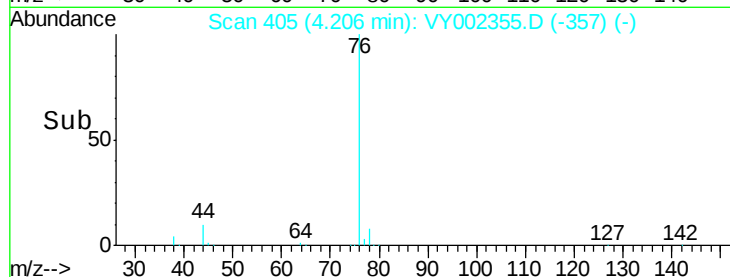
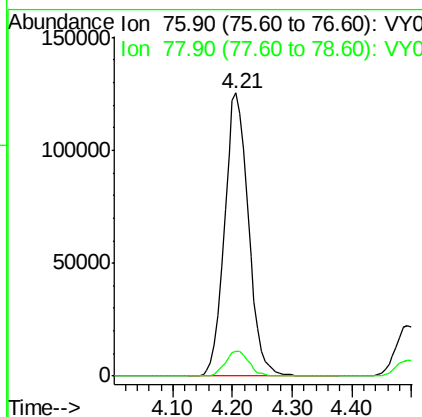
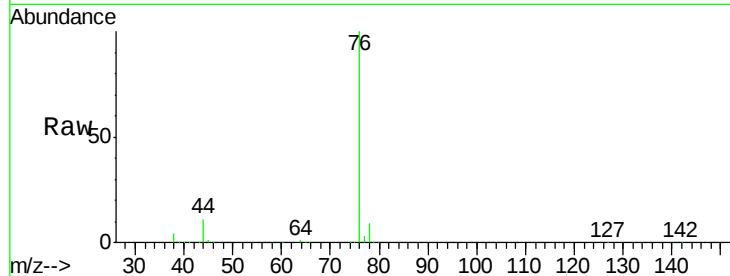
#17
Carbon Disulfide
Concen: 52.803 ug/l
RT: 4.21 min Scan# 405
Delta R.T. -0.01 min
Lab File: VY002355.D
Acq: 16 Apr 2020 10:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 348274
Ion Ratio Lower Upper
76 100
78 9.0 7.7 11.5

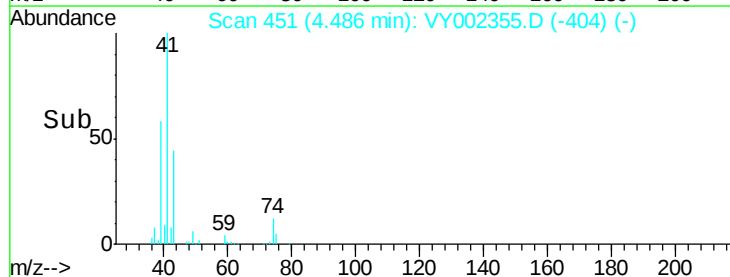
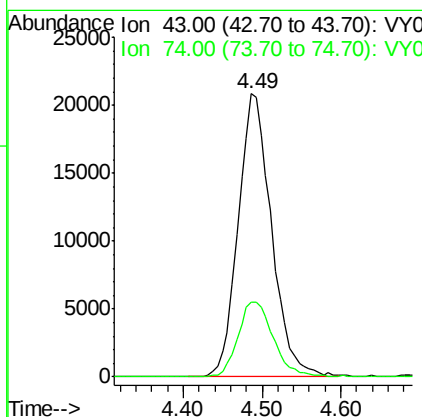
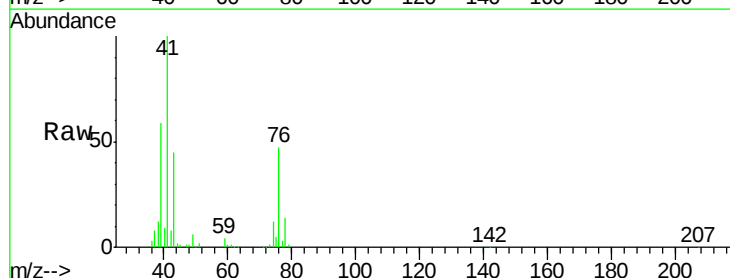
Manual Integrations
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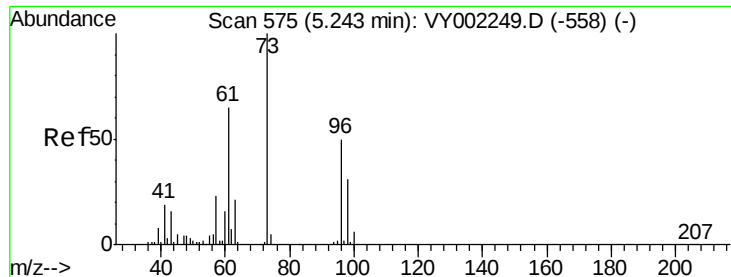
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4/17/2020 11:51:53 AM



#18
Methyl Acetate
Concen: 40.987 ug/l
RT: 4.49 min Scan# 451
Delta R.T. -0.01 min
Lab File: VY002355.D
Acq: 16 Apr 2020 10:24

Tgt Ion: 43 Resp: 61247
Ion Ratio Lower Upper
43 100
74 28.0 20.3 30.5





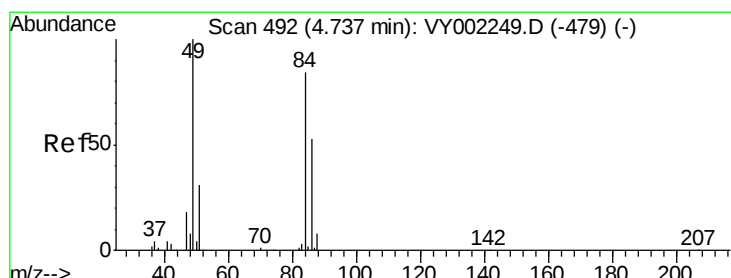
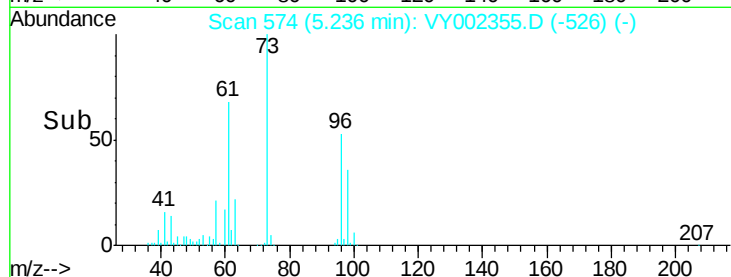
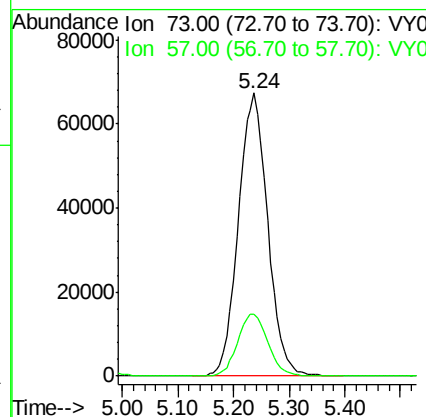
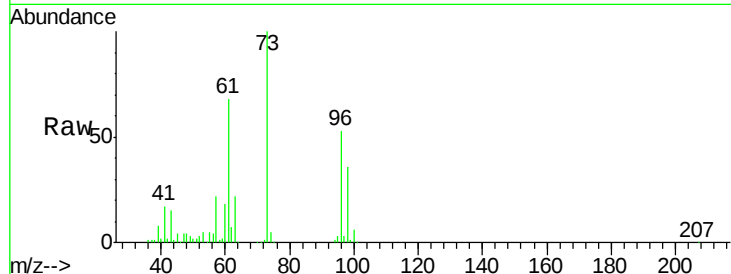
#19
Methvl tert-butvl Ether
Concen: 47.048 ug/l
RT: 5.24 min Scan# 574
Delta R.T. -0.01 min
Lab File: VY002355.D
Acq: 16 Apr 2020 10:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 245643
Ion Ratio Lower Upper
73 100
57 21.7 18.7 28.1

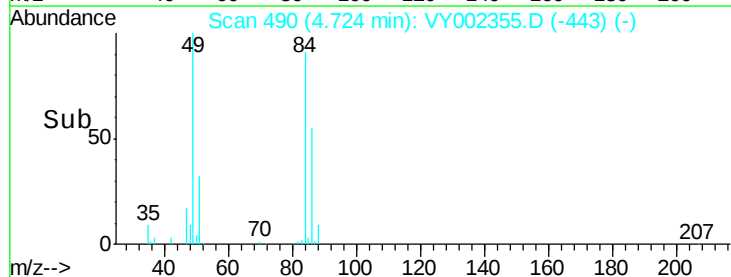
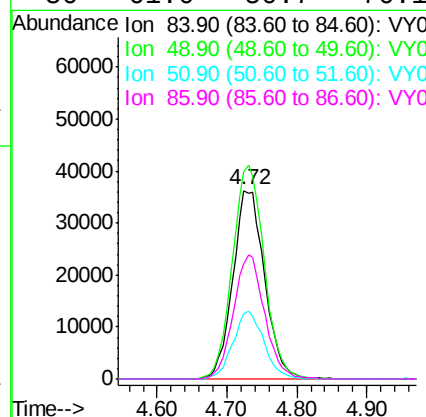
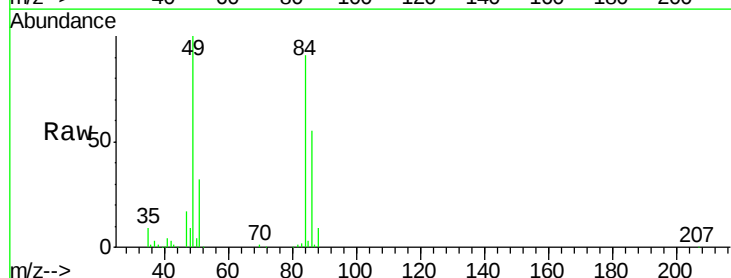
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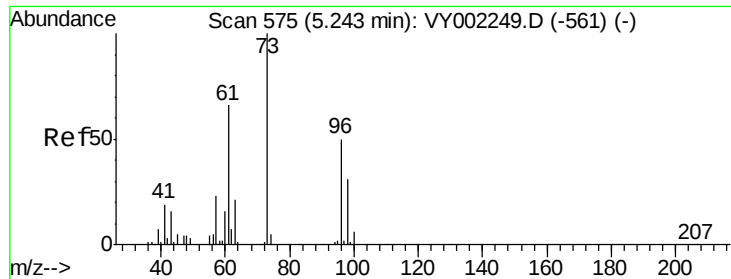
MMDadoda
4/17/2020 11:51:53 AM



#20
Methylene Chloride
Concen: 48.435 ug/l
RT: 4.72 min Scan# 490
Delta R.T. -0.01 min
Lab File: VY002355.D
Acq: 16 Apr 2020 10:24

Tgt Ion: 84 Resp: 114687
Ion Ratio Lower Upper
84 100
49 110.1 95.5 143.3
51 34.8 29.5 44.3
86 61.0 50.7 76.1





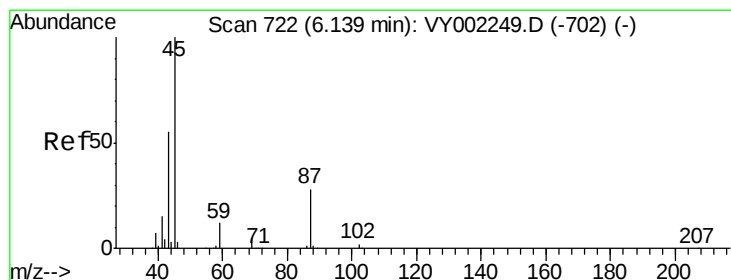
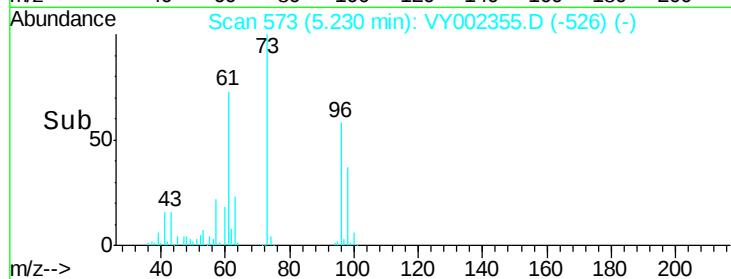
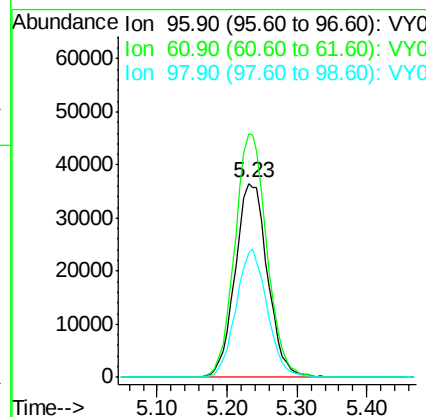
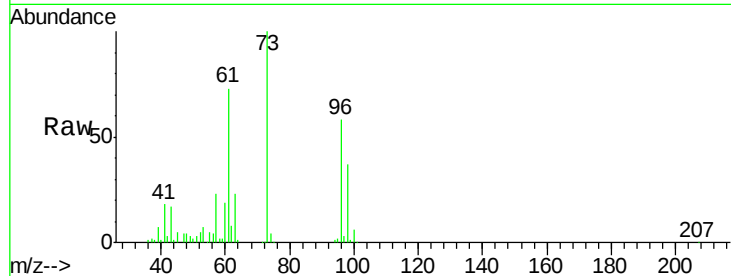
#21
trans-1,2-Dichloroethene
Concen: 52.720 ug/l
RT: 5.23 min Scan# 573
Delta R.T. -0.01 min
Lab File: VY002355.D
Acq: 16 Apr 2020 10:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	125.6	104.6	157.0
98	64.4	50.1	75.1

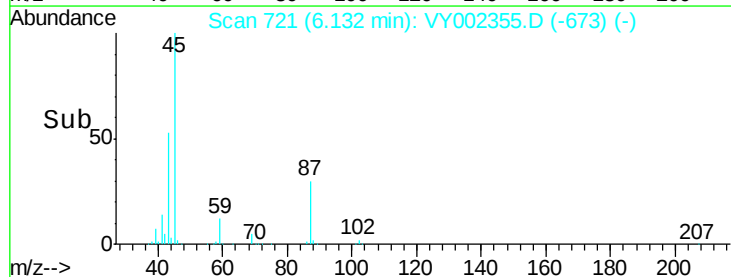
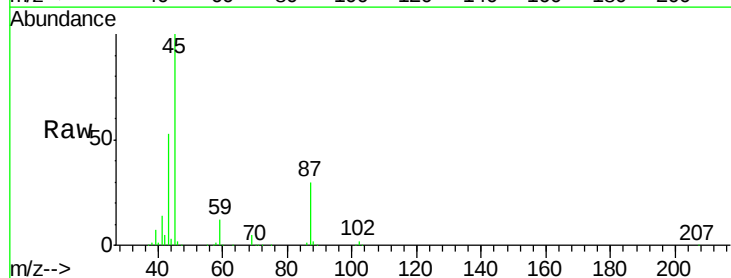
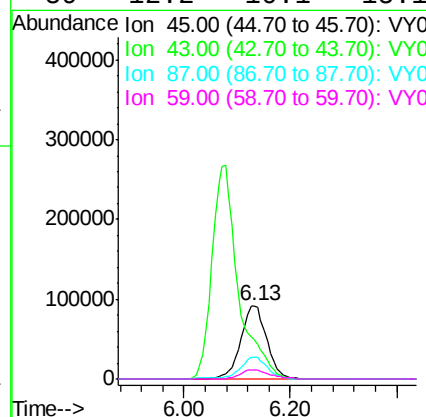
Manual Integrations
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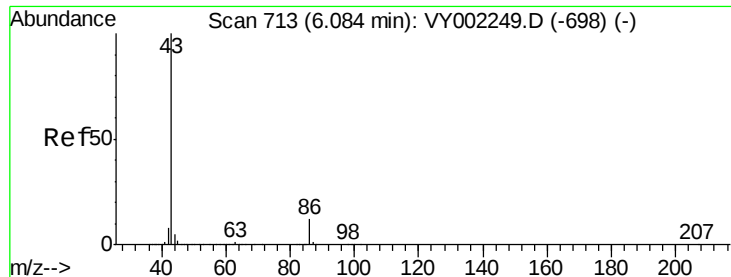
MMDadoda
4/17/2020 11:51:53 AM



#22
Diisopropyl ether
Concen: 48.001 ug/l
RT: 6.13 min Scan# 721
Delta R.T. -0.01 min
Lab File: VY002355.D
Acq: 16 Apr 2020 10:24

Tgt Ion	Ratio	Lower	Upper
45	100		
43	53.0	44.7	67.1
87	30.0	23.0	34.4
59	12.2	10.1	15.1





#23

Vinyl Acetate

Concen: 222.217 ug/l

RT: 6.08 min Scan# 712

Delta R.T. -0.01 min

Lab File: VY002355.D

Acq: 16 Apr 2020 10:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 913956

Ion Ratio Lower Upper

43 100

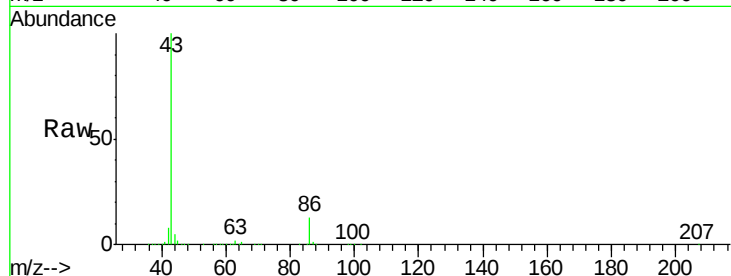
86 12.7 9.2 13.8

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

300000

250000

200000

150000

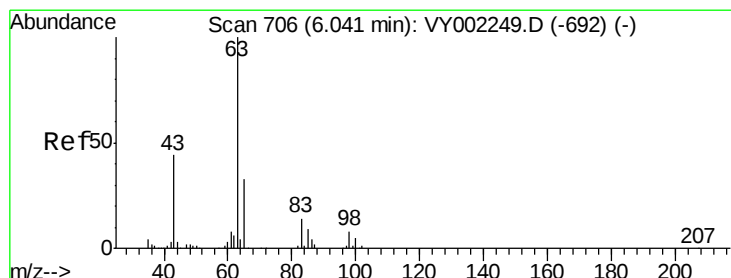
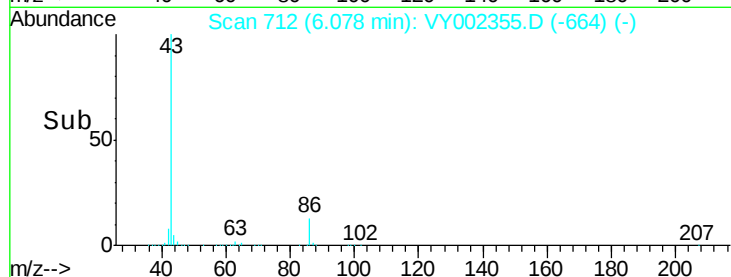
100000

50000

0

6.00 6.20

Time-->



#24

1,1-Dichloroethane

Concen: 50.845 ug/l

RT: 6.03 min Scan# 705

Delta R.T. -0.01 min

Lab File: VY002355.D

Acq: 16 Apr 2020 10:24

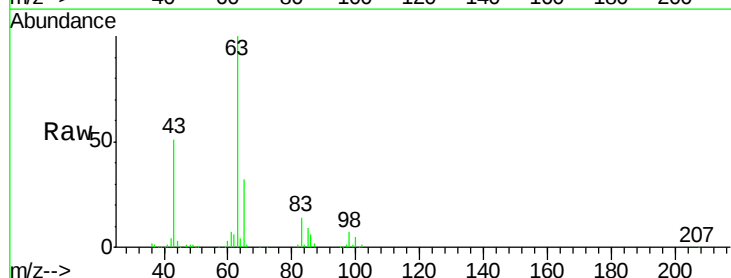
Tgt Ion: 63 Resp: 186651

Ion Ratio Lower Upper

63 100

98 7.0 4.0 12.0

100 4.5 2.4 7.1



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

80000

60000

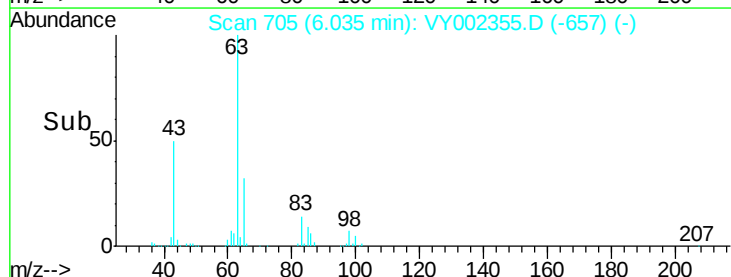
40000

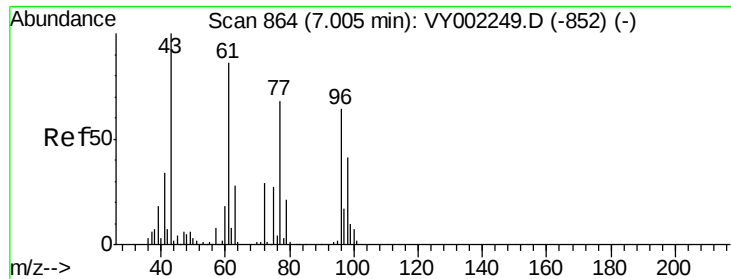
20000

0

5.90 6.10 6.20

Time-->





#25

2-Butanone

Concen: 218.937 ug/l

RT: 7.00 min Scan# 863

Delta R.T. -0.01 min

Lab File: VY002355.D

Acq: 16 Apr 2020 10:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 166916

Ion Ratio Lower Upper

43 100

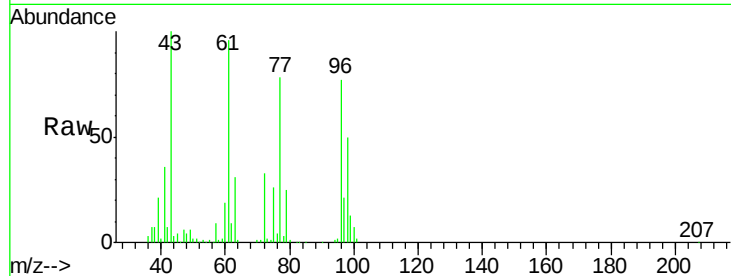
72 32.5 23.2 34.8

Manual Integrations

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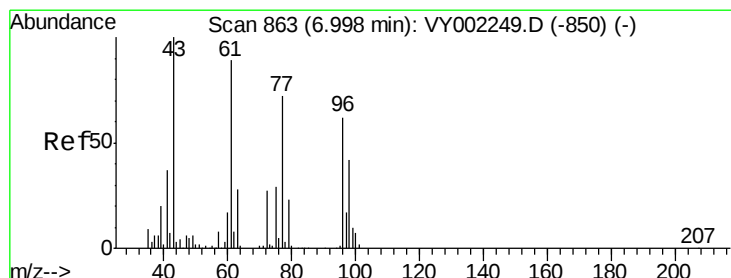
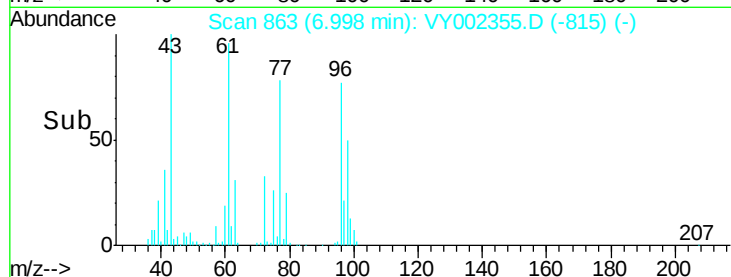
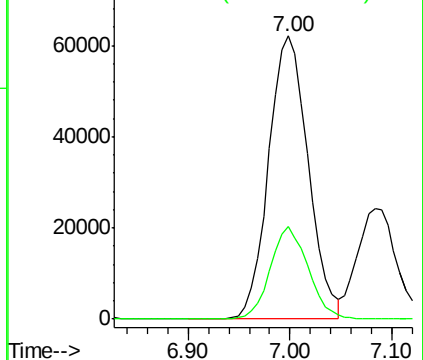
MMDadoda

4/17/2020 11:51:53 AM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#26

2,2-Dichloropropane

Concen: 49.935 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.01 min

Lab File: VY002355.D

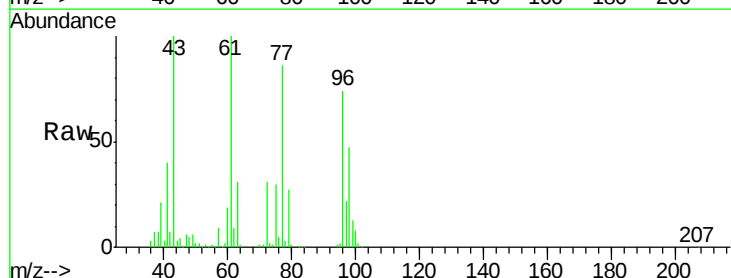
Acq: 16 Apr 2020 10:24

Tgt Ion: 77 Resp: 153340

Ion Ratio Lower Upper

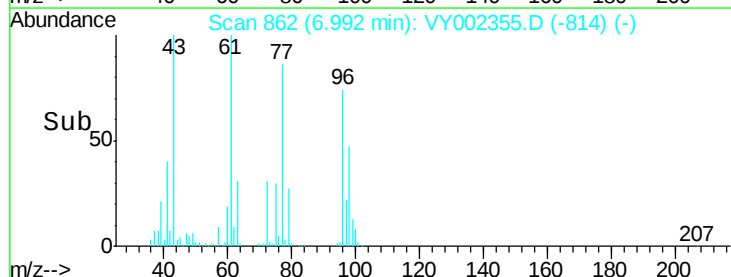
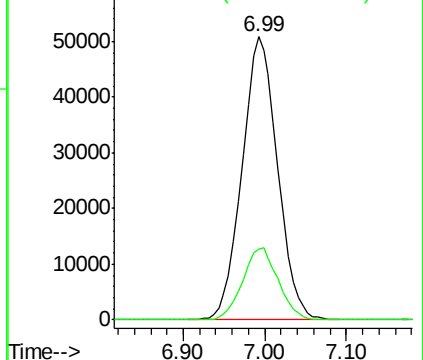
77 100

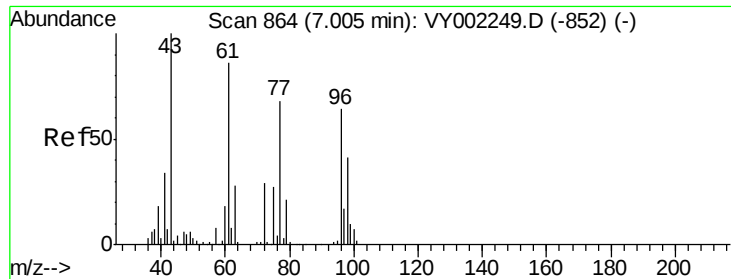
97 25.5 12.2 36.6



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0





#27

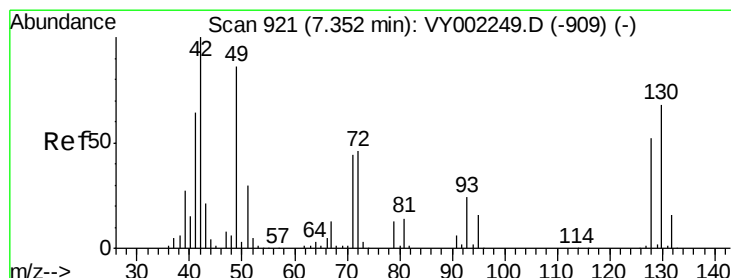
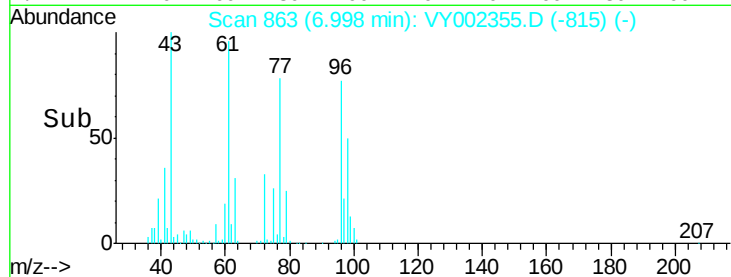
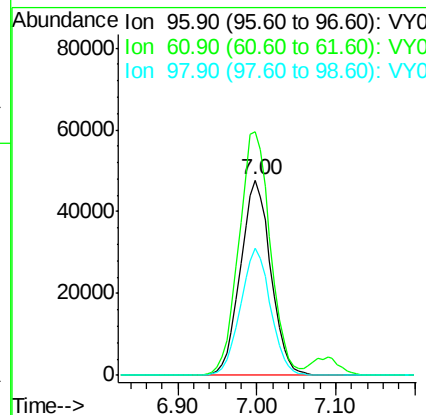
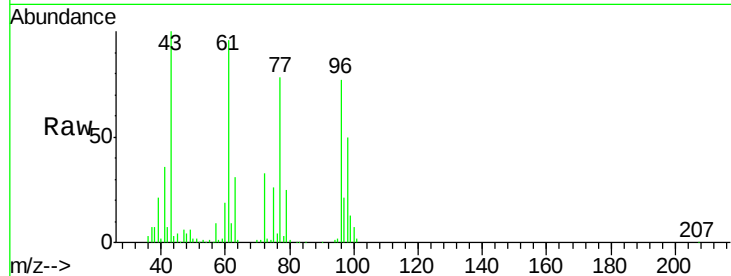
cis-1,2-Dichloroethene
Concen: 52.554 ug/l
RT: 7.00 min Scan# 863
Delta R.T. -0.01 min
Lab File: VY002355.D
Acq: 16 Apr 2020 10:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	127707		
61	129.1	0.0	278.0	
98	64.4	0.0	128.6	

Manual Integrations
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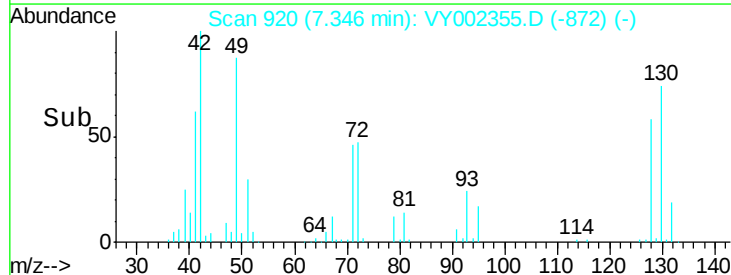
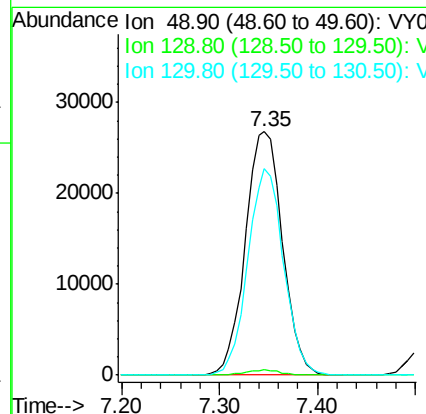
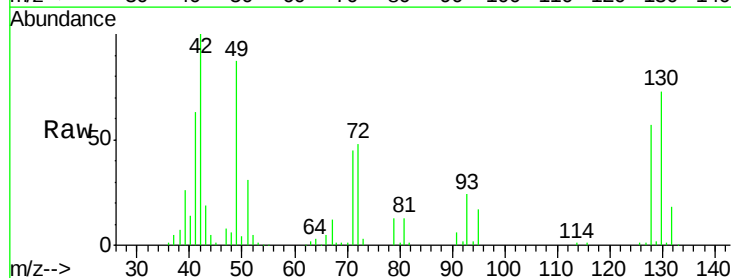
MMDadoda
4/17/2020 11:51:53 AM

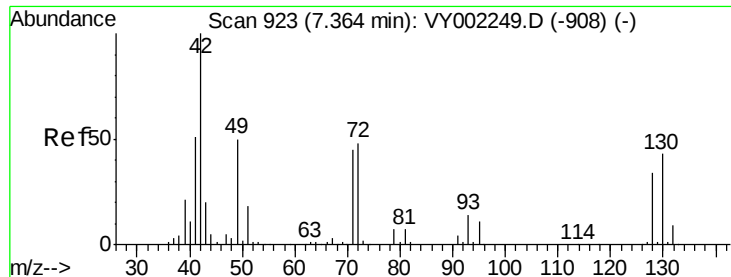


#28

Bromochloromethane
Concen: 44.513 ug/l
RT: 7.35 min Scan# 920
Delta R.T. -0.01 min
Lab File: VY002355.D
Acq: 16 Apr 2020 10:24

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	70539		
129	2.0	0.0	4.2	
130	81.7	60.9	91.3	





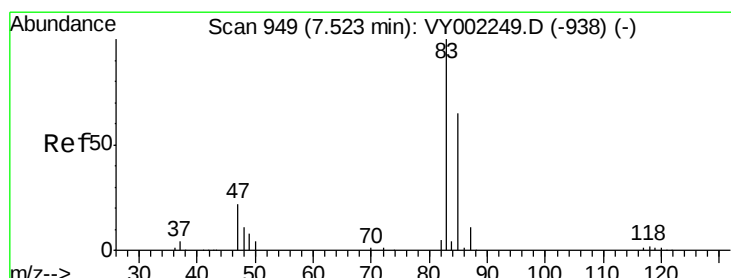
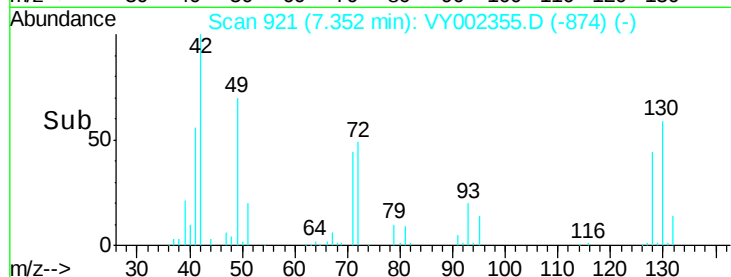
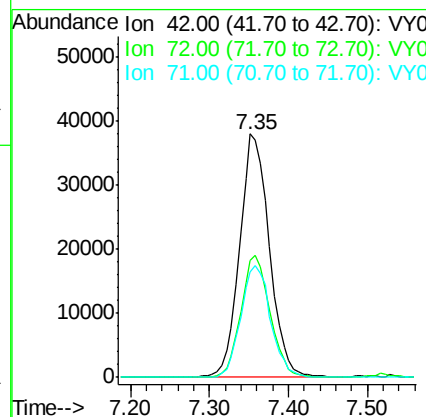
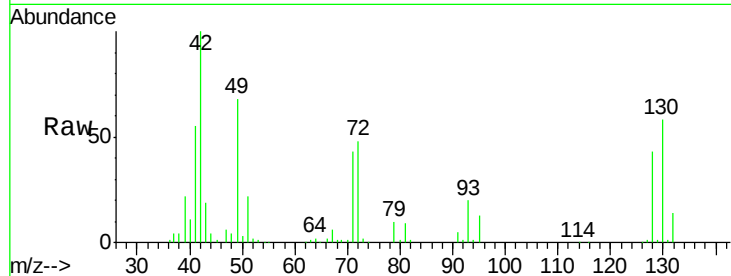
#29
Tetrahydrofuran
Concen: 197.545 ug/l
RT: 7.35 min Scan# 921
Delta R.T. -0.01 min
Lab File: VY002355.D
Acq: 16 Apr 2020 10:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.2	36.7	55.1
71	46.0	34.7	52.1

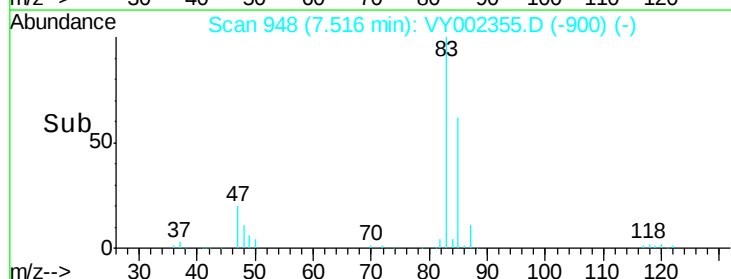
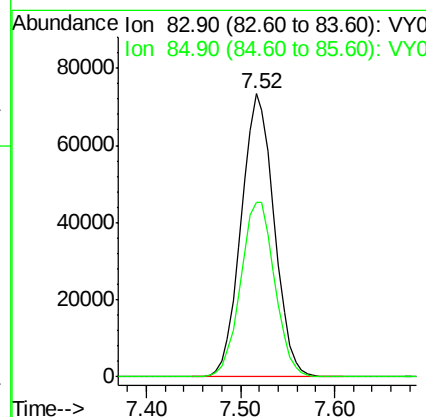
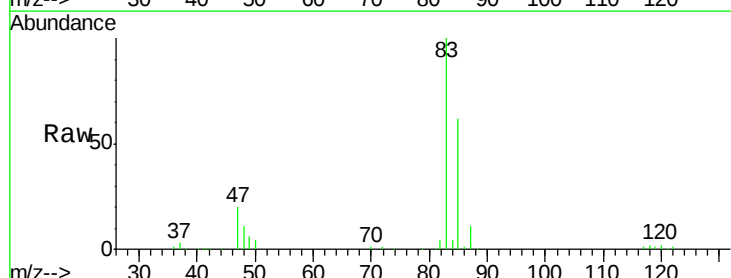
Manual Integrations
APPROVED

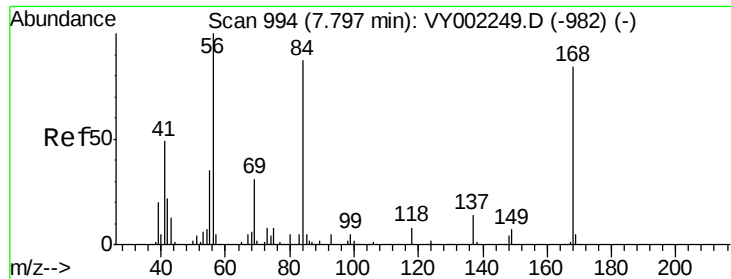
MMDadoda
4/17/2020 11:51:53 AM



#30
Chloroform
Concen: 51.816 ug/l
RT: 7.52 min Scan# 948
Delta R.T. -0.01 min
Lab File: VY002355.D
Acq: 16 Apr 2020 10:24

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.8	52.0	78.0





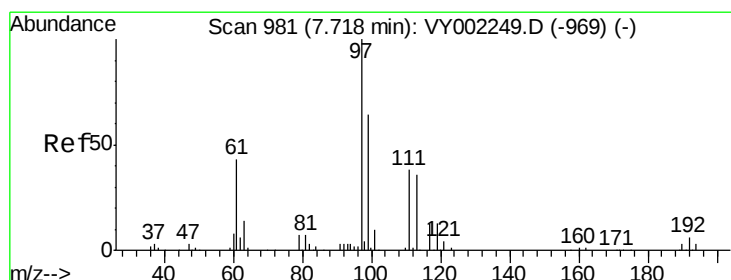
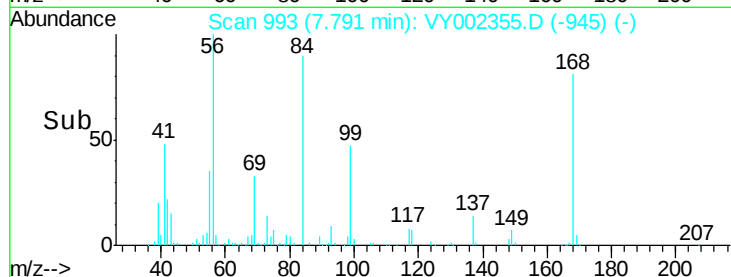
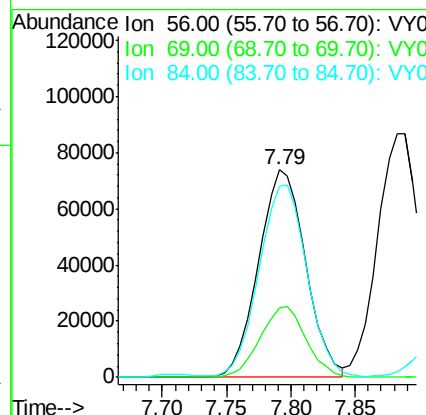
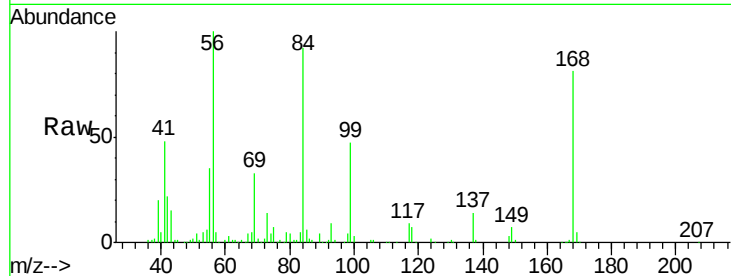
#31
Cyclohexane
Concen: 48.680 ug/l
RT: 7.79 min Scan# 993
Delta R.T. -0.01 min
Lab File: VY002355.D
Acq: 16 Apr 2020 10:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.5	25.0	37.6
84	91.1	69.7	104.5

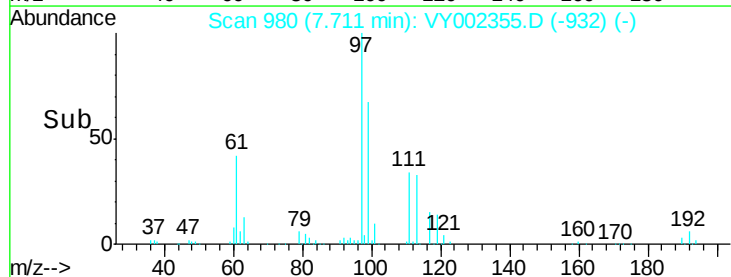
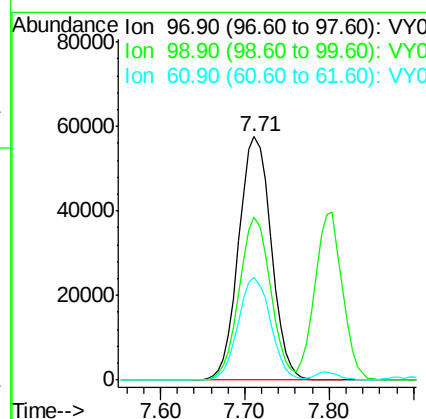
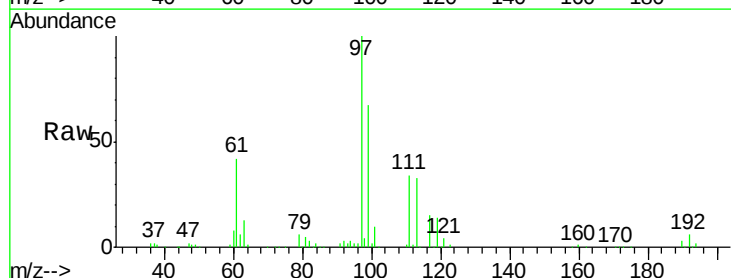
Manual Integrations
APPROVED

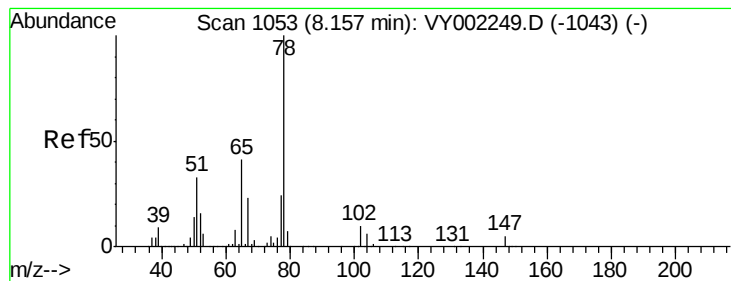
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 52.193 ug/l
RT: 7.71 min Scan# 980
Delta R.T. -0.01 min
Lab File: VY002355.D
Acq: 16 Apr 2020 10:24

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.3	76.9
61	42.0	34.3	51.5





#33

1,2-Dichloroethane-d4

Concen: 40.734 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VY002355.D

Acq: 16 Apr 2020 10:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 74506

Ion Ratio Lower Upper

65 100

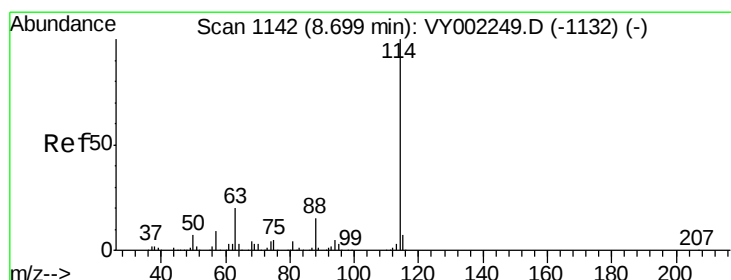
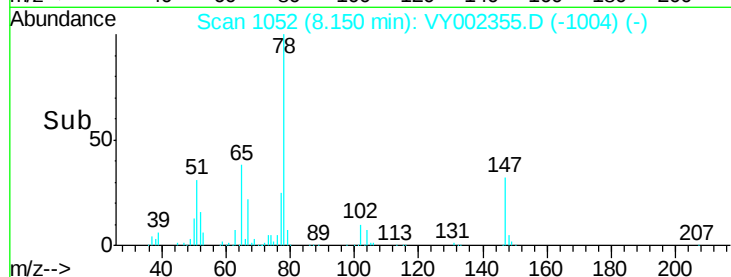
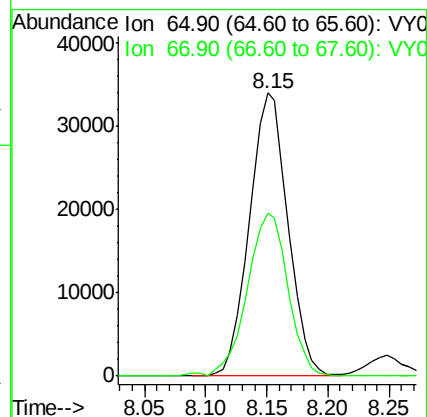
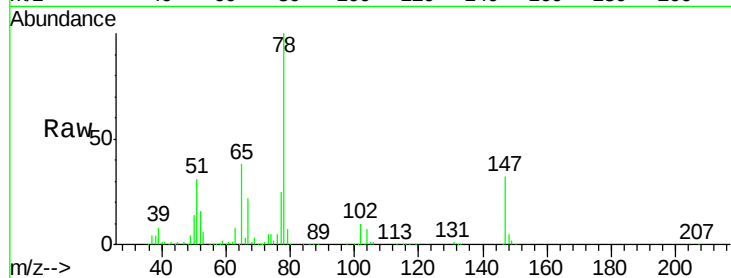
67 60.9 0.0 114.0

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.70 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VY002355.D

Acq: 16 Apr 2020 10:24

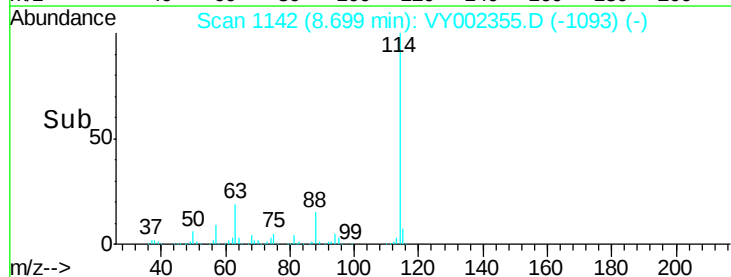
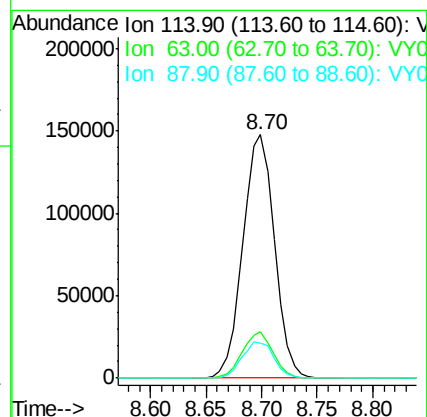
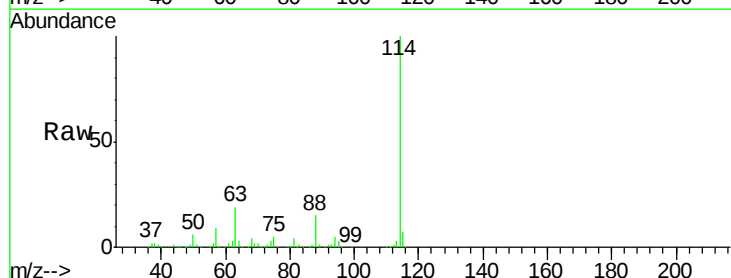
Tgt Ion: 114 Resp: 291335

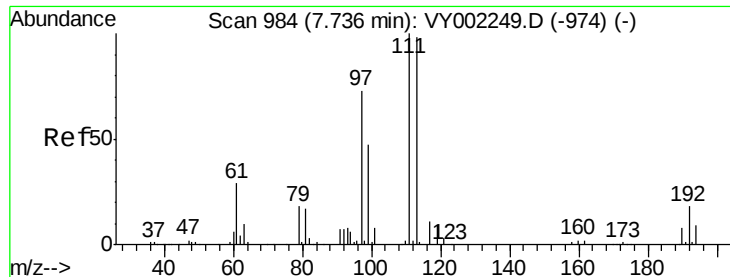
Ion Ratio Lower Upper

114 100

63 18.9 0.0 39.0

88 14.5 0.0 31.0





#35

Dibromofluoromethane

Concen: 47.697 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.01 min

Lab File: VY002355.D

Acq: 16 Apr 2020 10:24

Instrument :

MSVOA_Y

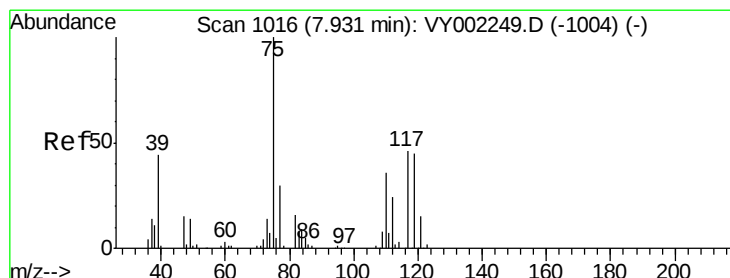
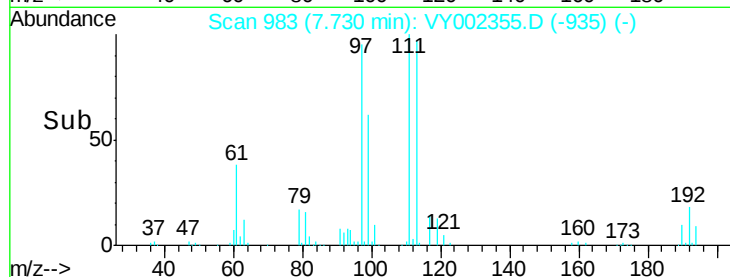
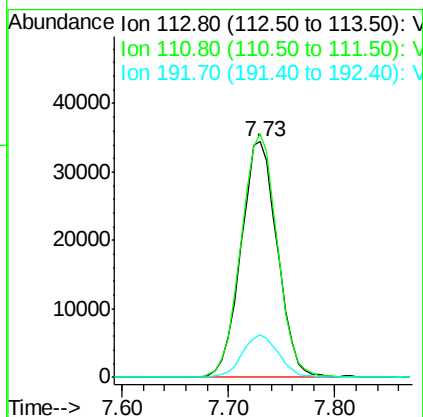
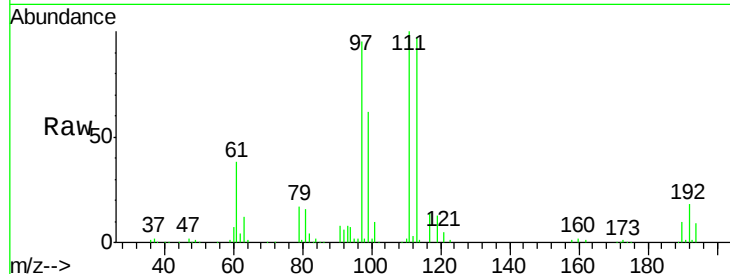
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	82684
Ion	Ratio	Lower	Upper
113	100		
111	103.2	83.5	125.3
192	18.0	14.7	22.1

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#36

1,1-Dichloropropene

Concen: 52.391 ug/l

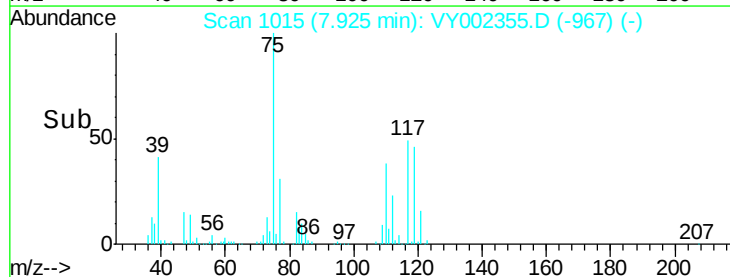
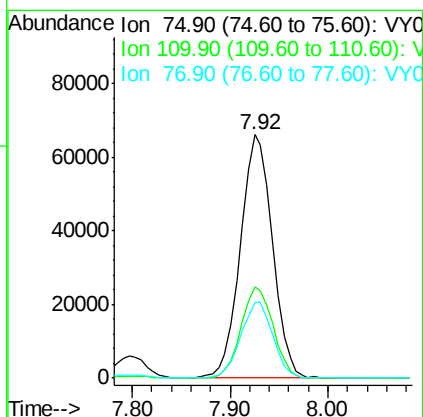
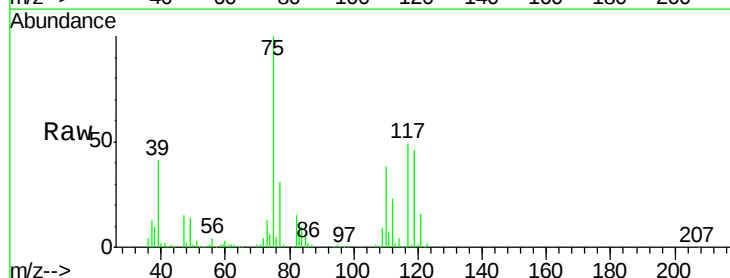
RT: 7.92 min Scan# 1015

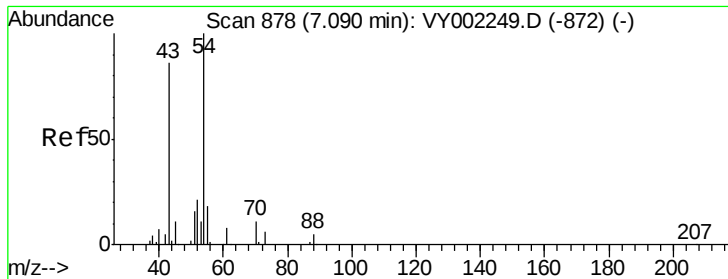
Delta R.T. -0.01 min

Lab File: VY002355.D

Acq: 16 Apr 2020 10:24

Tgt Ion:	75	Resp:	150342
Ion	Ratio	Lower	Upper
75	100		
110	37.5	17.8	53.3
77	31.5	24.4	36.6





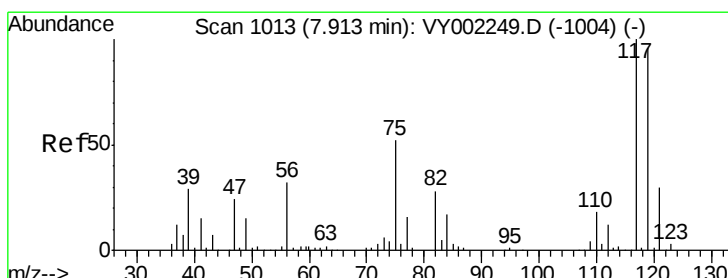
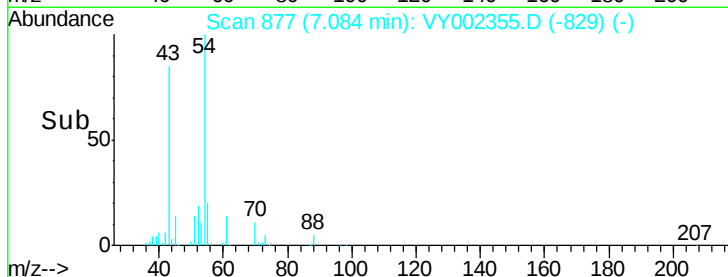
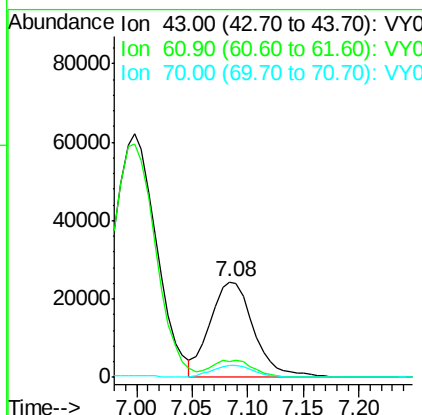
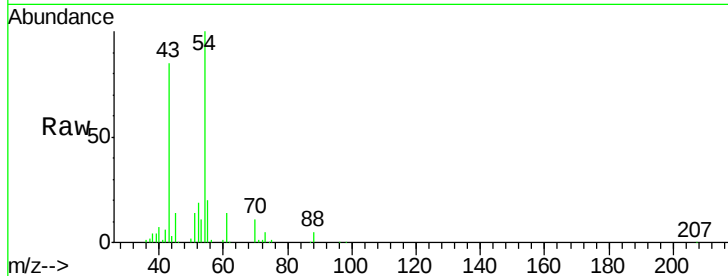
#37
Ethyl Acetate
Concen: 40.110 ug/l
RT: 7.08 min Scan# 877
Delta R.T. -0.01 min
Lab File: VY002355.D
Acq: 16 Apr 2020 10:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.2	11.8	17.6
70	12.6	9.1	13.7

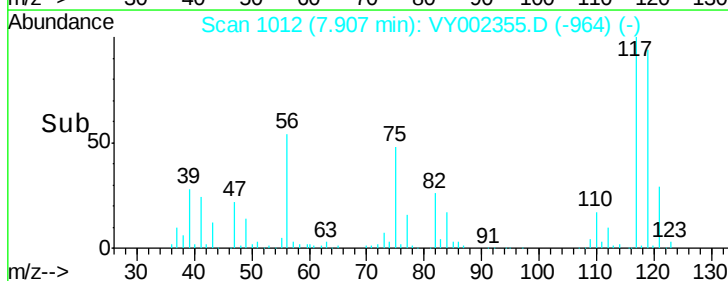
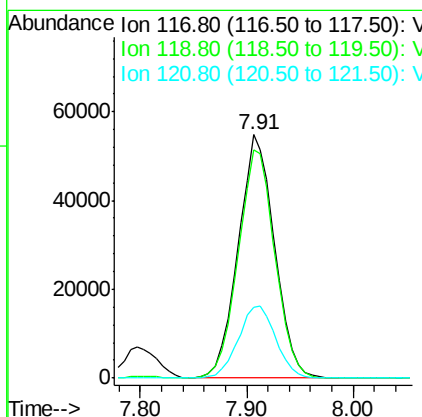
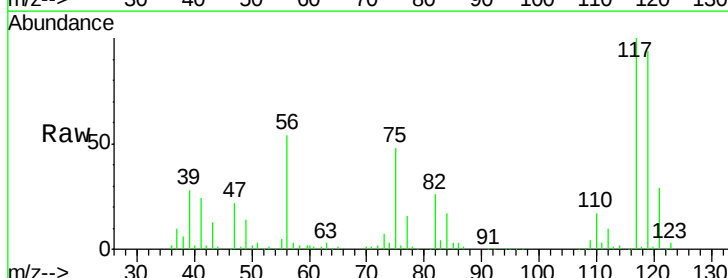
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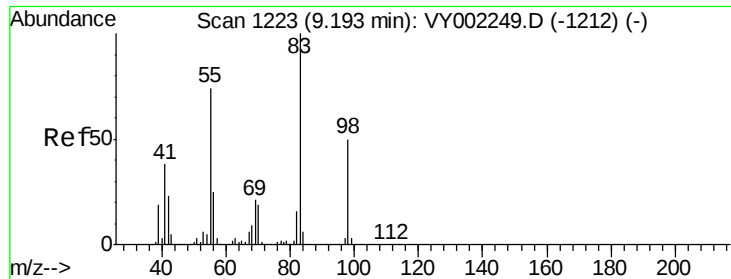
MMDadoda
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#38
Carbon Tetrachloride
Concen: 53.380 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. -0.01 min
Lab File: VY002355.D
Acq: 16 Apr 2020 10:24

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.6	77.1	115.7
121	29.0	23.9	35.9





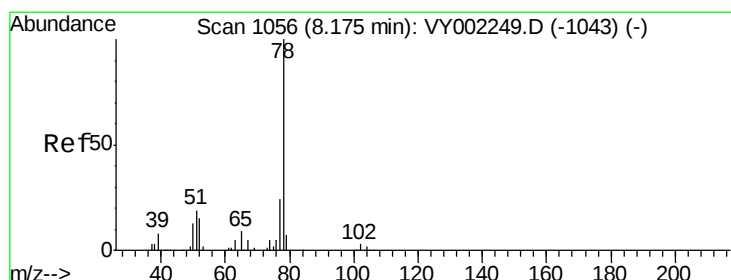
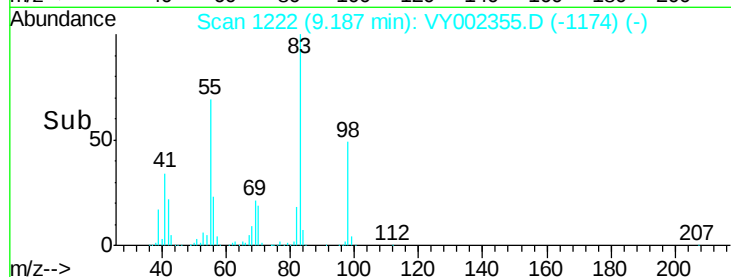
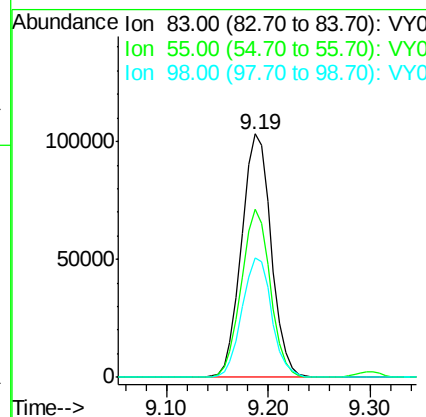
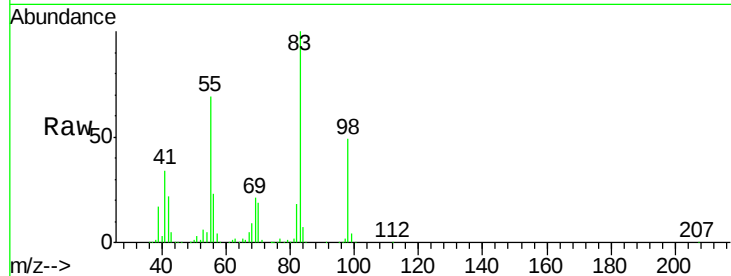
#39
Methvlcvclohexane
Concen: 53.217 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.01 min
Lab File: VY002355.D
Acq: 16 Apr 2020 10:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	69.1	59.3	88.9
98	49.0	39.6	59.4

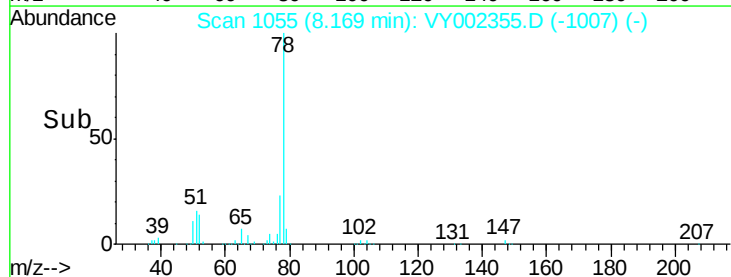
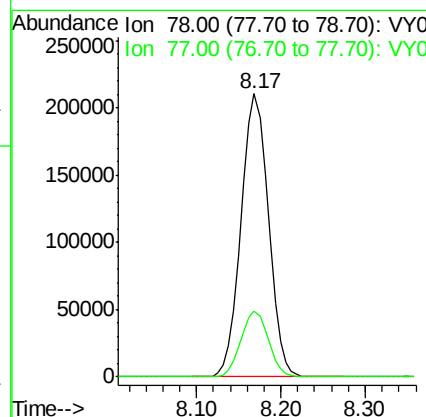
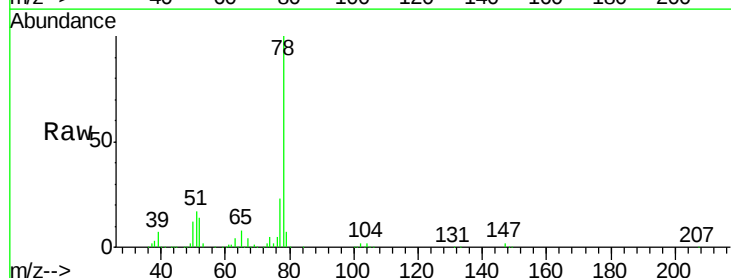
Manual Integrations
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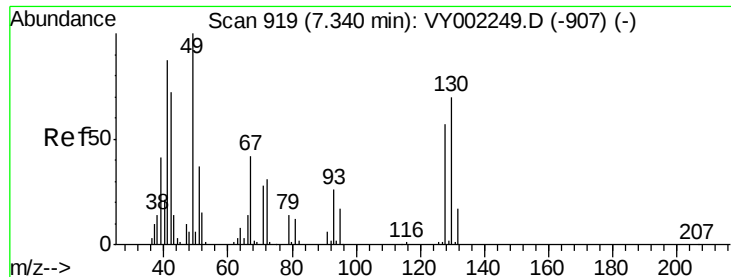
MMDadoda
4/17/2020 11:51:53 AM



#40
Benzene
Concen: 53.067 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. -0.01 min
Lab File: VY002355.D
Acq: 16 Apr 2020 10:24

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.9	28.3





#41

Methacrylonitrile

Concen: 45.605 ug/l m

RT: 7.34 min Scan# 919

Delta R.T. 0.00 min

Lab File: VY002355.D

Acq: 16 Apr 2020 10:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 44103

Ion Ratio Lower Upper

41 100

39 0.0 0.0 0.0

67 0.0 0.0 0.0

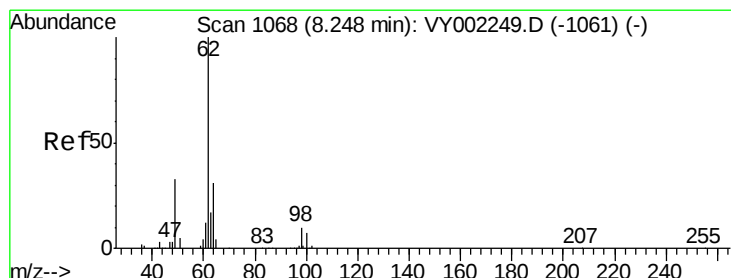
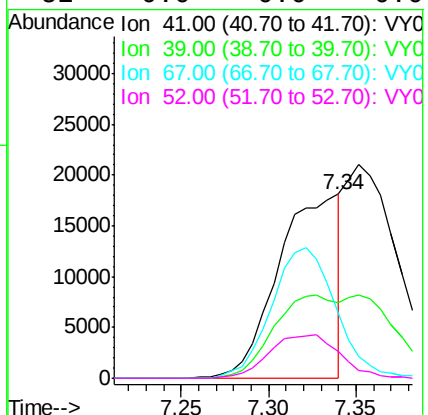
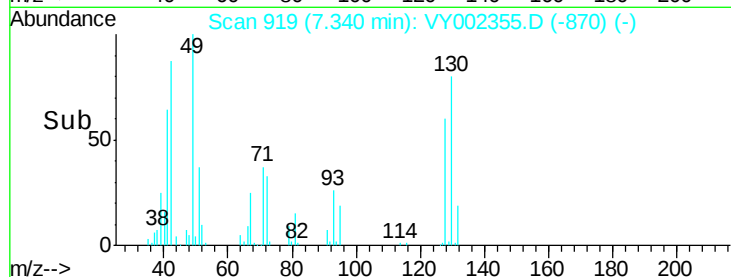
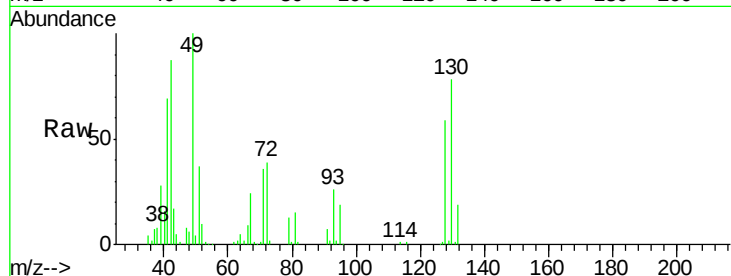
52 0.0 0.0 0.0

Manual Integrations

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#42

1,2-Dichloroethane

Concen: 46.622 ug/l

RT: 8.25 min Scan# 1068

Delta R.T. -0.00 min

Lab File: VY002355.D

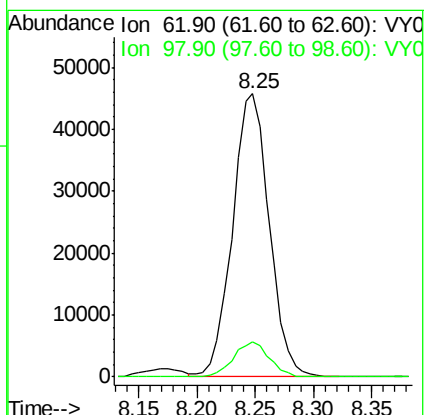
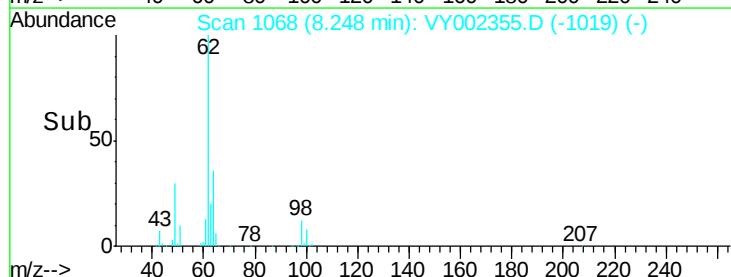
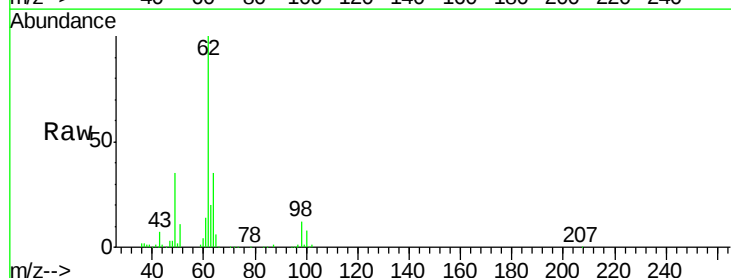
Acq: 16 Apr 2020 10:24

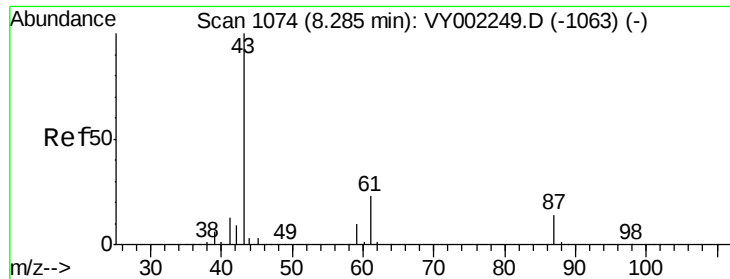
Tgt Ion: 62 Resp: 100550

Ion Ratio Lower Upper

62 100

98 12.1 0.0 22.6





#43

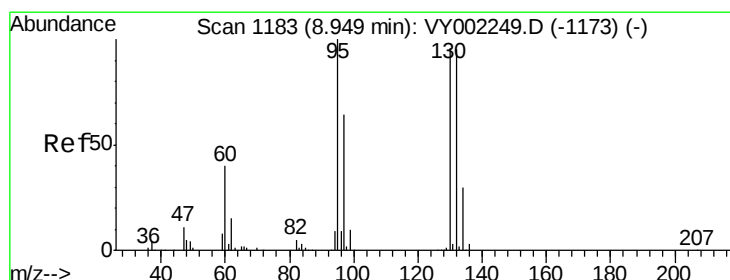
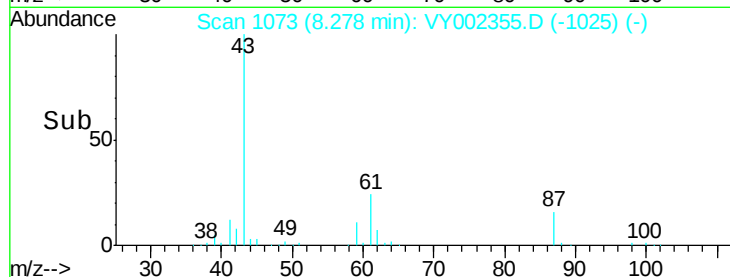
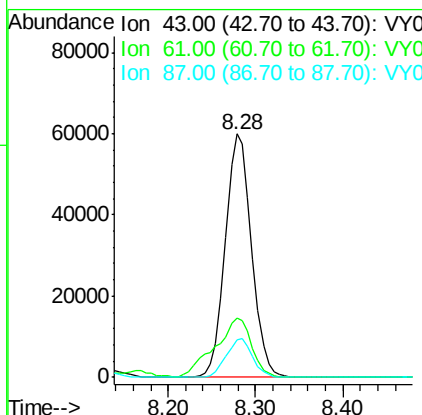
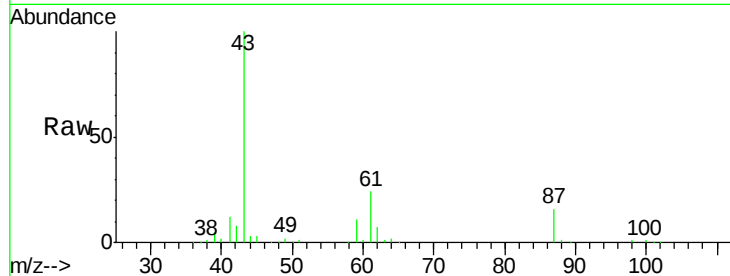
Isopropyl Acetate
 Concen: 41.850 ug/l
 RT: 8.28 min Scan# 1073
 Delta R.T. -0.01 min
 Lab File: VY002355.D
 Acq: 16 Apr 2020 10:24

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	33.7	24.9	37.3
87	15.8	11.7	17.5

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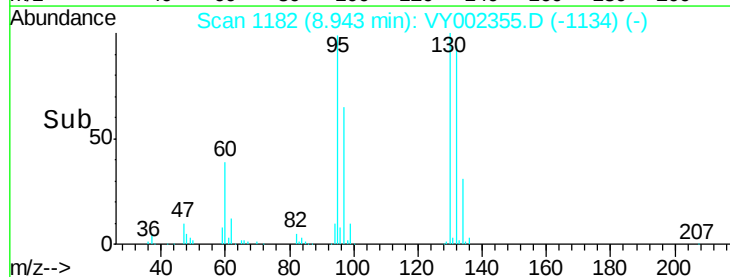
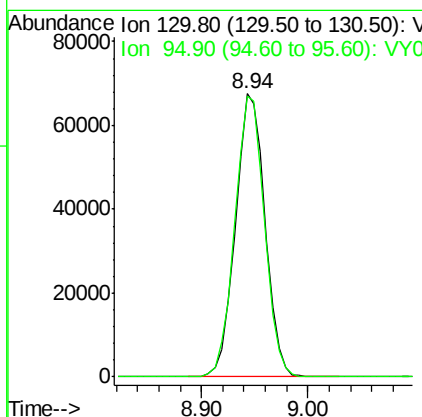
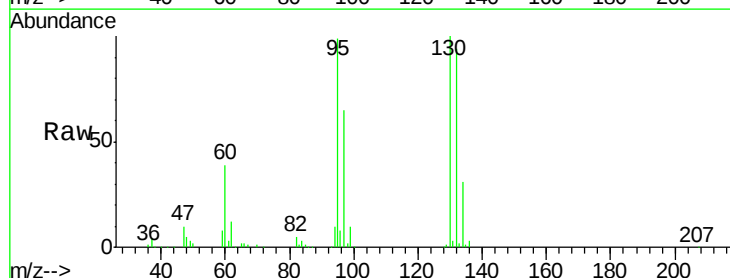
MMDadoda
 4/17/2020 11:51:53 AM

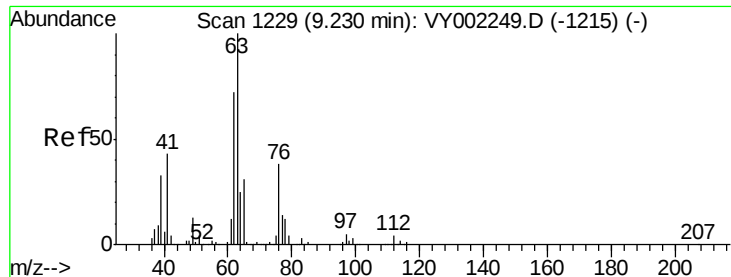


#44

Trichloroethene
 Concen: 51.302 ug/l
 RT: 8.94 min Scan# 1182
 Delta R.T. -0.01 min
 Lab File: VY002355.D
 Acq: 16 Apr 2020 10:24

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.3	0.0	208.2





#45

1,2-Dichloropropane

Concen: 51.662 ug/l

RT: 9.22 min Scan# 1228

Delta R.T. -0.01 min

Lab File: VY002355.D

Acq: 16 Apr 2020 10:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 111600

Ion Ratio Lower Upper

63 100

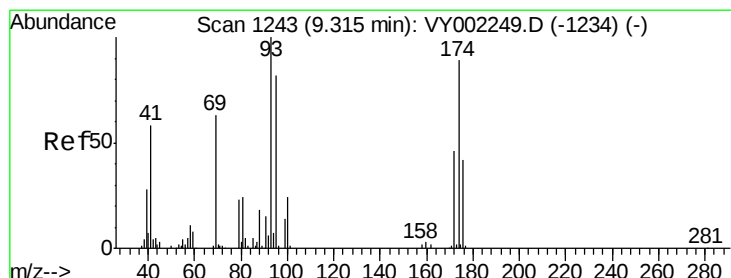
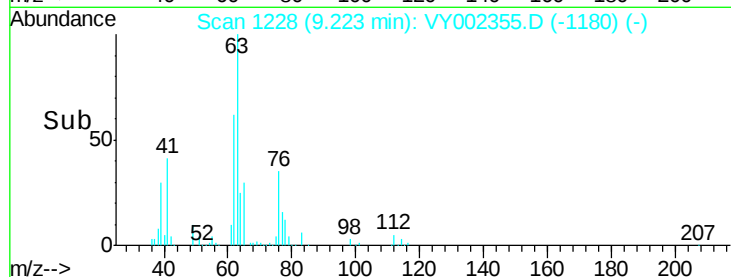
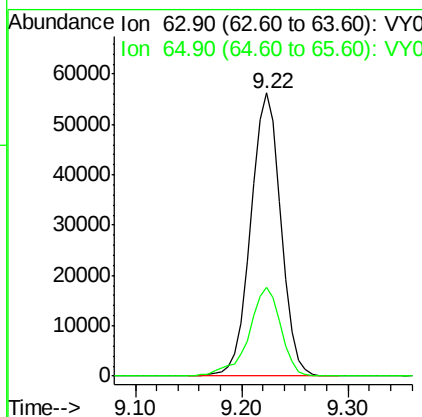
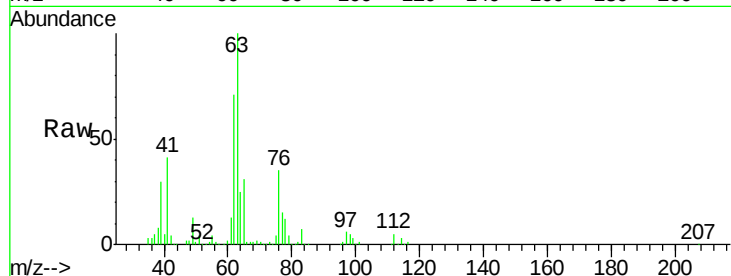
65 31.3 24.6 37.0

Manual Integrations

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#46

Dibromomethane

Concen: 49.685 ug/l

RT: 9.31 min Scan# 1242

Delta R.T. -0.01 min

Lab File: VY002355.D

Acq: 16 Apr 2020 10:24

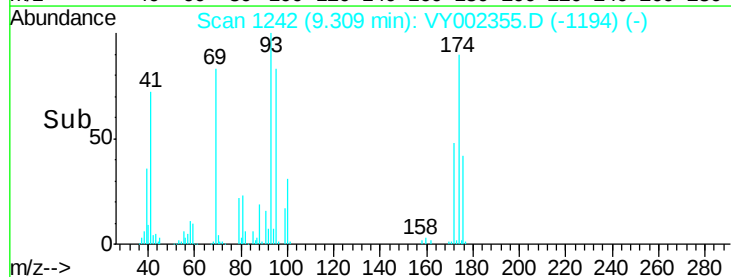
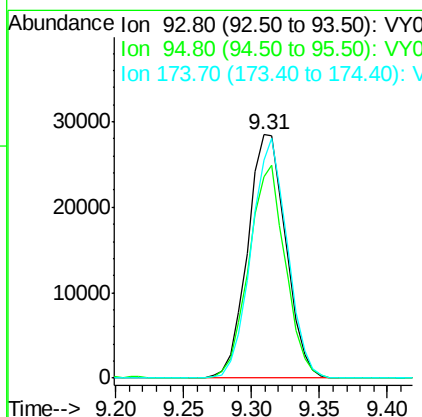
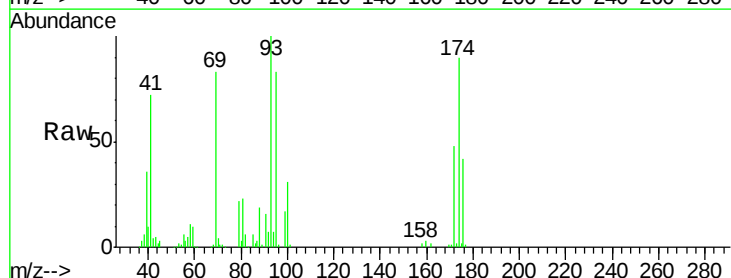
Tgt Ion: 93 Resp: 56118

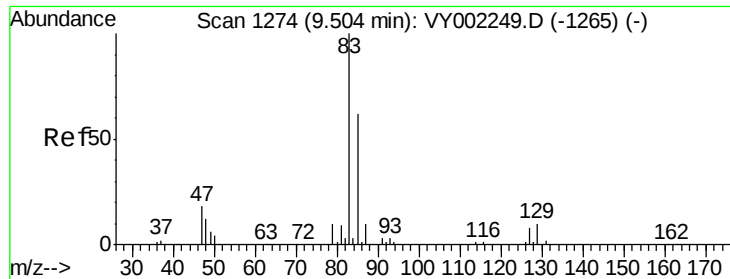
Ion Ratio Lower Upper

93 100

95 83.6 67.3 100.9

174 92.7 72.5 108.7





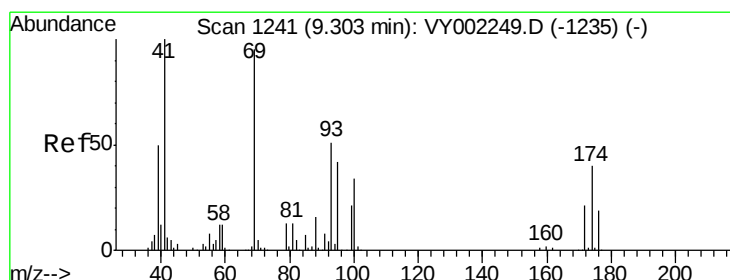
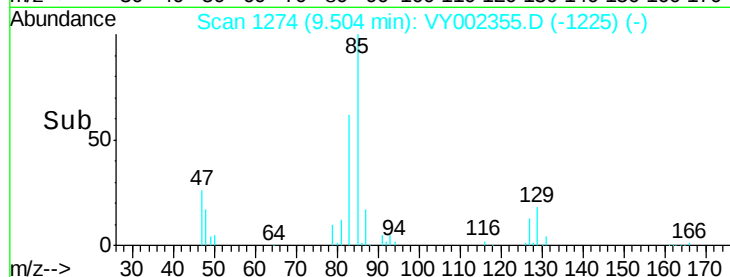
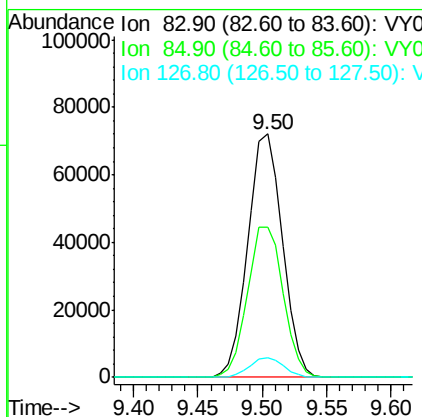
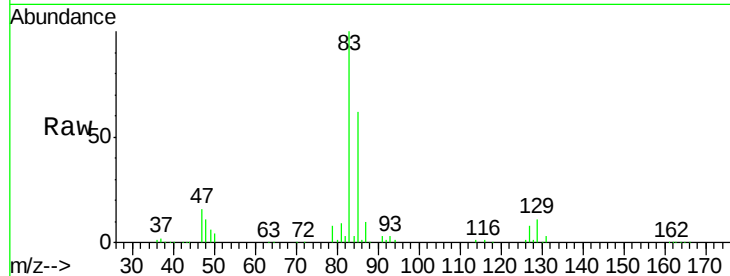
#47
Bromodichloromethane
Concen: 51.677 ug/l
RT: 9.50 min Scan# 1274
Delta R.T. -0.00 min
Lab File: VY002355.D
Acq: 16 Apr 2020 10:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion:	83	Resp:	133927
Ion	Ratio	Lower	Upper
83	100		
85	61.5	49.7	74.5
127	7.9	6.2	9.4

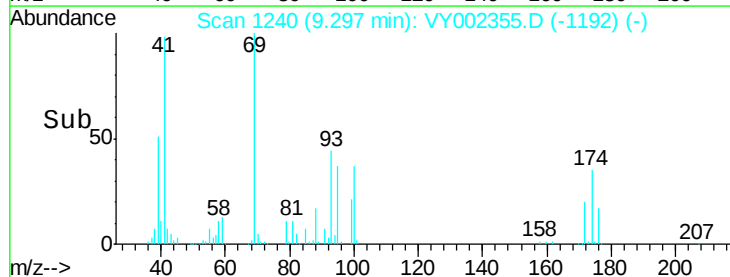
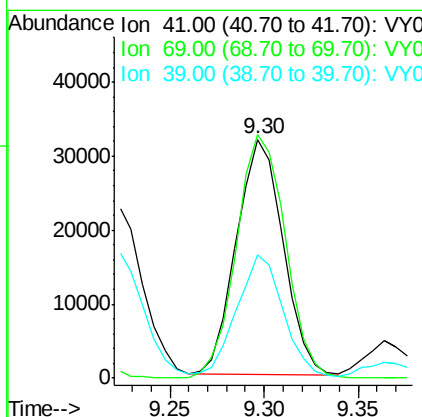
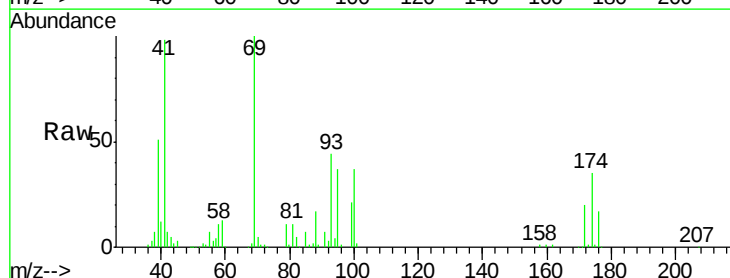
Manual Integrations
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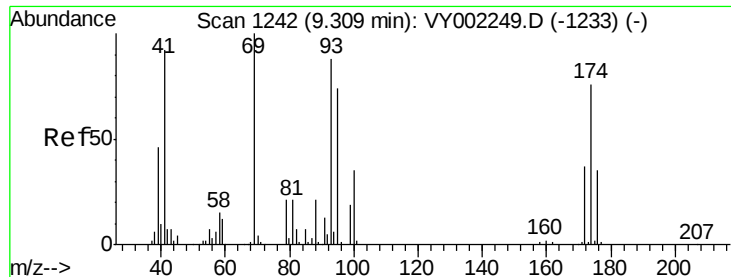
MMDadoda
4/17/2020 11:51:53 AM



#48
Methyl methacrylate
Concen: 40.933 ug/l
RT: 9.30 min Scan# 1240
Delta R.T. -0.01 min
Lab File: VY002355.D
Acq: 16 Apr 2020 10:24

Tgt Ion:	41	Resp:	54875
Ion	Ratio	Lower	Upper
41	100		
69	108.1	76.7	115.1
39	50.5	40.5	60.7





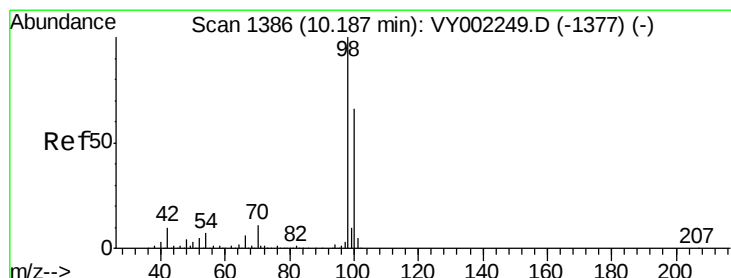
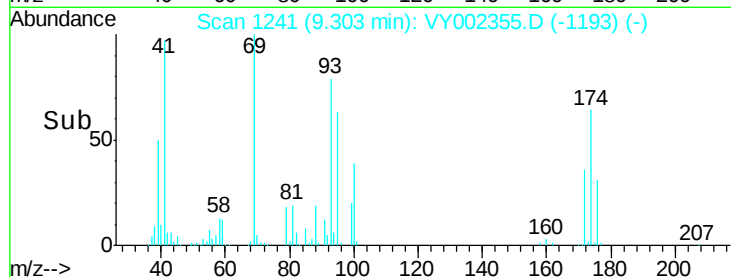
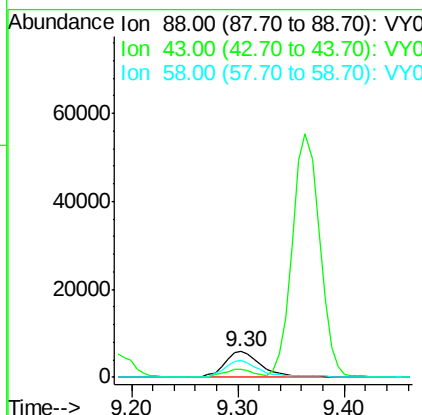
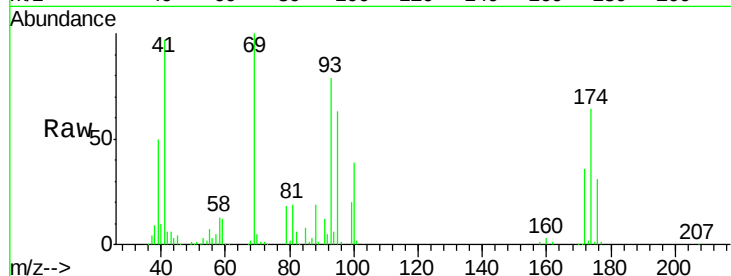
#49
1,4-Dioxane
Concen: 896.029 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. -0.01 min
Lab File: VY002355.D
Acq: 16 Apr 2020 10:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
88	100	14316		
43	26.4		22.2	33.2
58	65.6		57.6	86.4

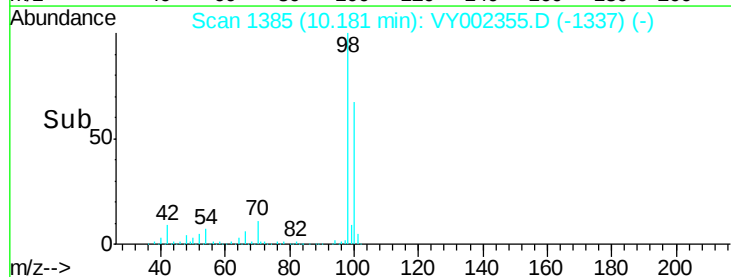
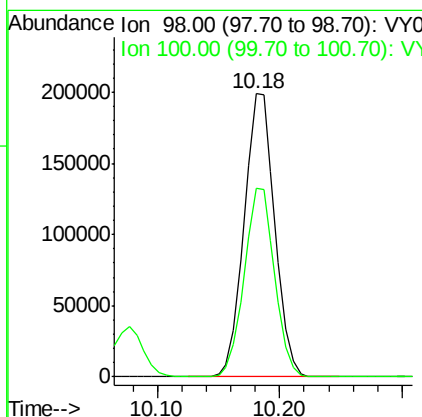
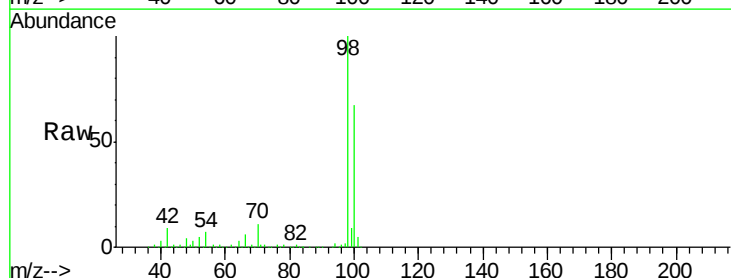
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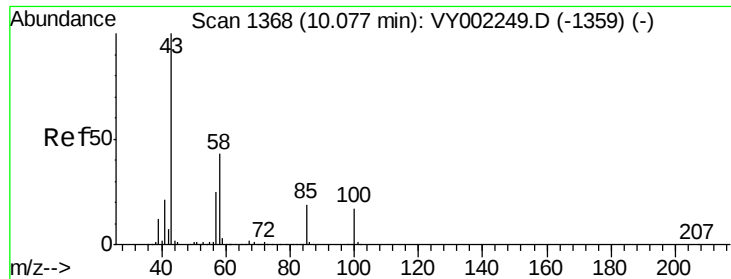
MMDadoda
4/17/2020 11:51:53 AM



#50
Toluene-d8
Concen: 47.543 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.01 min
Lab File: VY002355.D
Acq: 16 Apr 2020 10:24

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	344969		
100	66.2		52.6	78.8





#51

4-Methyl-2-Pentanone

Concen: 204.347 ug/l

RT: 10.08 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VY002355.D

Acq: 16 Apr 2020 10:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 318359

Ion Ratio Lower Upper

43 100

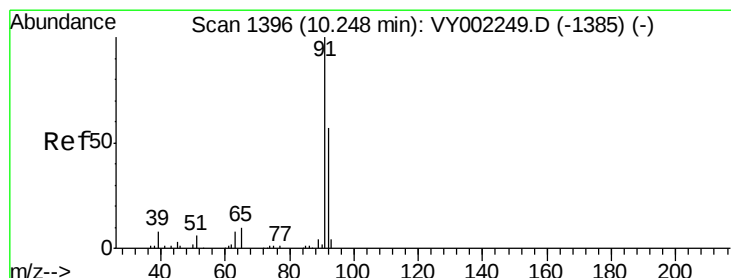
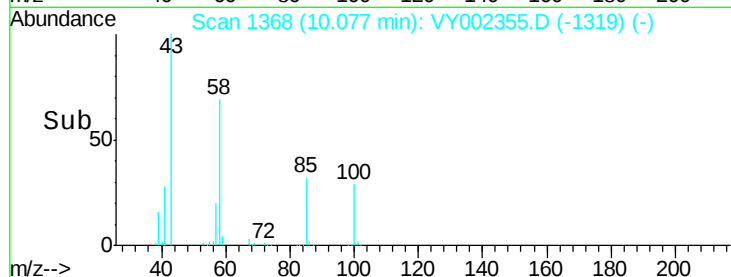
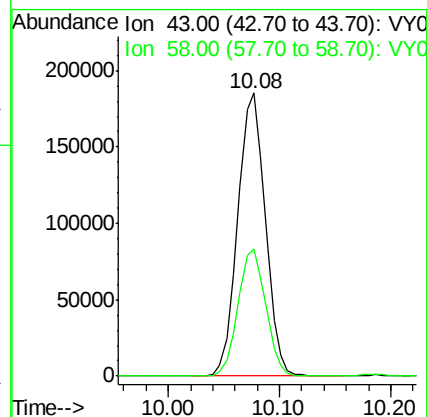
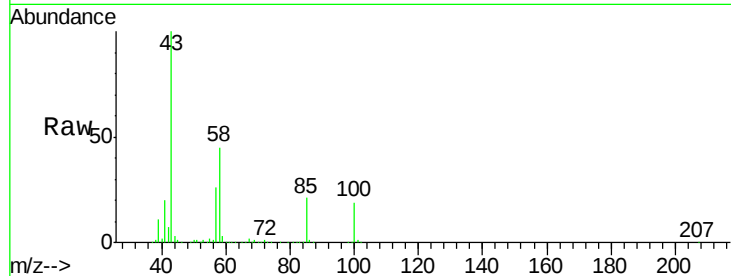
58 45.0 33.8 50.8

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4/17/2020 11:51:53 AM



#52

Toluene

Concen: 53.652 ug/l

RT: 10.25 min Scan# 1396

Delta R.T. -0.00 min

Lab File: VY002355.D

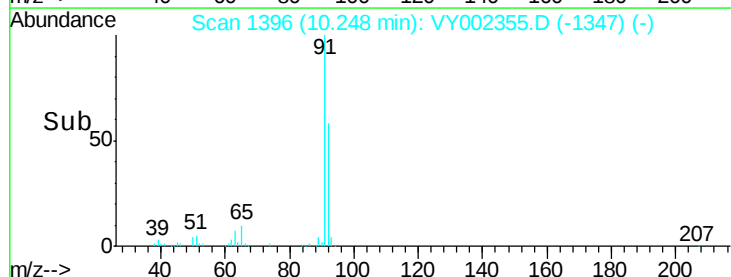
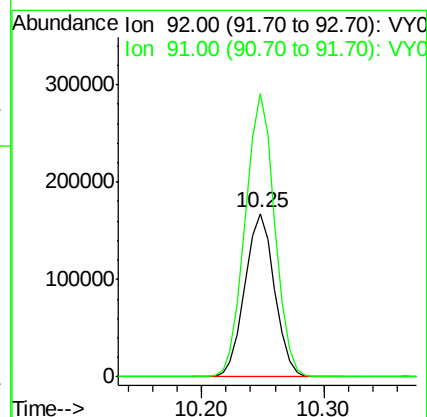
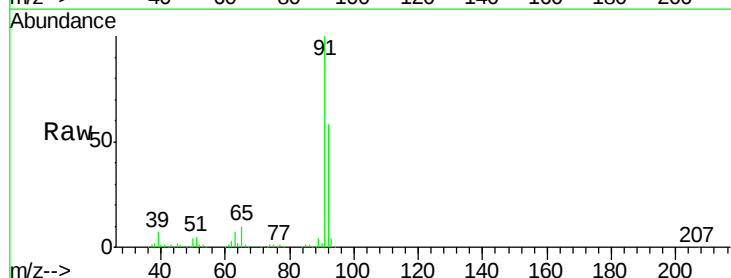
Acq: 16 Apr 2020 10:24

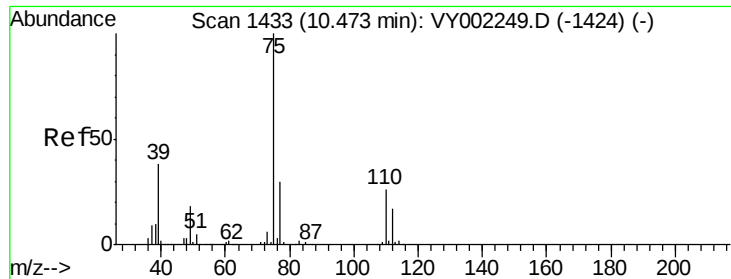
Tgt Ion: 92 Resp: 281509

Ion Ratio Lower Upper

92 100

91 172.5 139.0 208.6





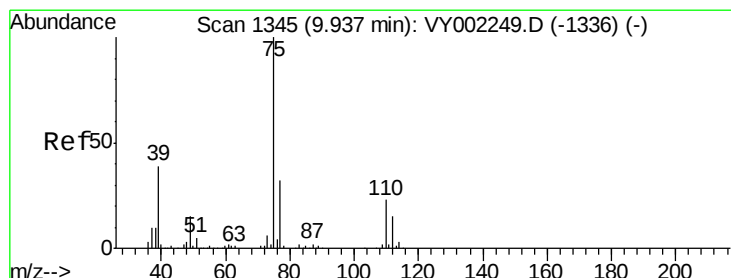
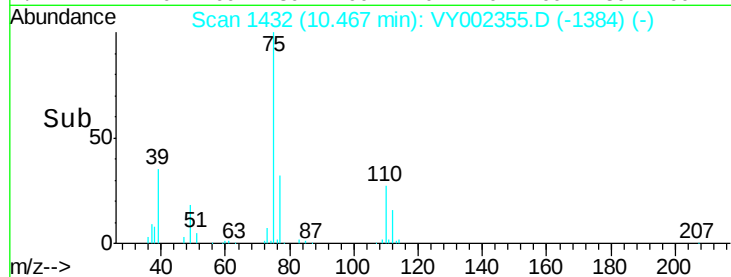
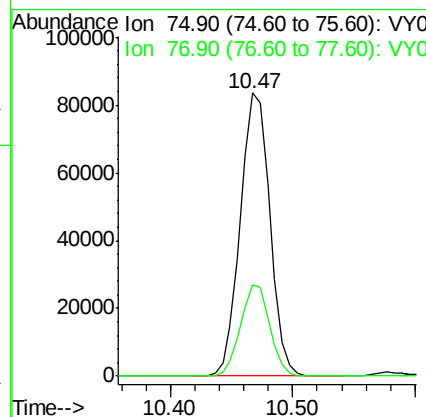
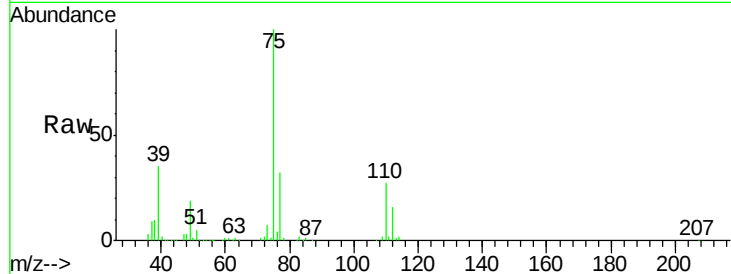
#53
t-1,3-Dichloropropene
Concen: 49.562 ug/l
RT: 10.47 min Scan# 1432
Delta R.T. -0.01 min
Lab File: VY002355.D
Acq: 16 Apr 2020 10:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 139948
Ion Ratio Lower Upper
75 100
77 32.1 24.2 36.2

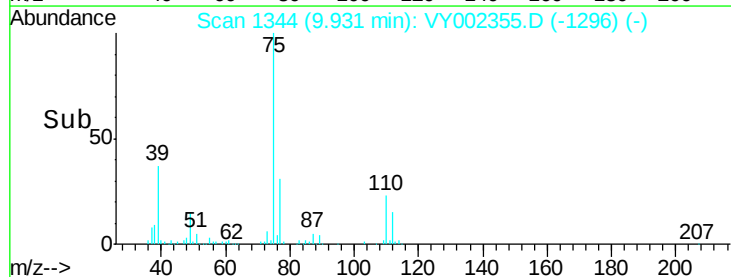
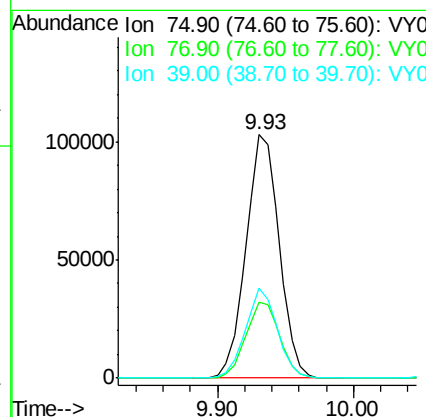
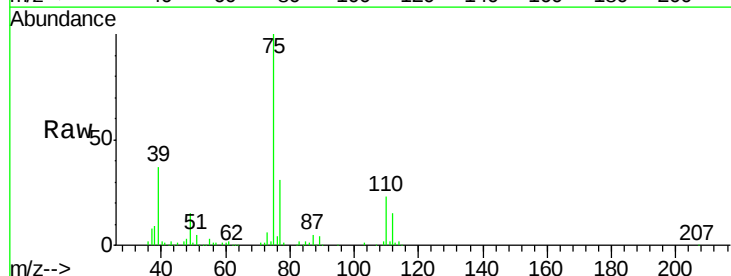
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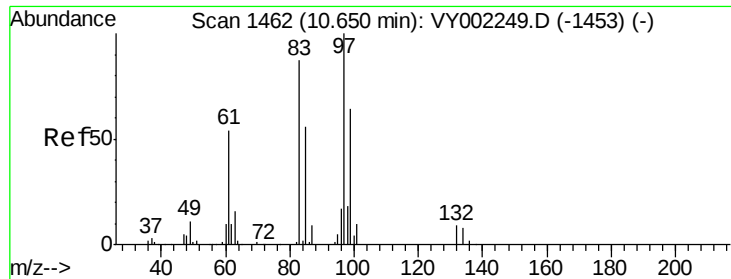
MMDadoda
4/17/2020 11:51:53 AM



#54
cis-1,3-Dichloropropene
Concen: 51.942 ug/l
RT: 9.93 min Scan# 1344
Delta R.T. -0.01 min
Lab File: VY002355.D
Acq: 16 Apr 2020 10:24

Tgt Ion: 75 Resp: 176332
Ion Ratio Lower Upper
75 100
77 31.1 25.8 38.8
39 36.7 30.8 46.2





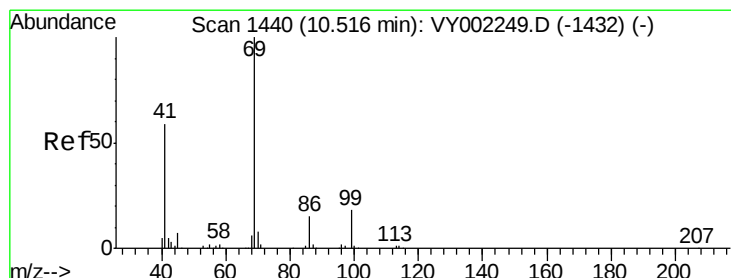
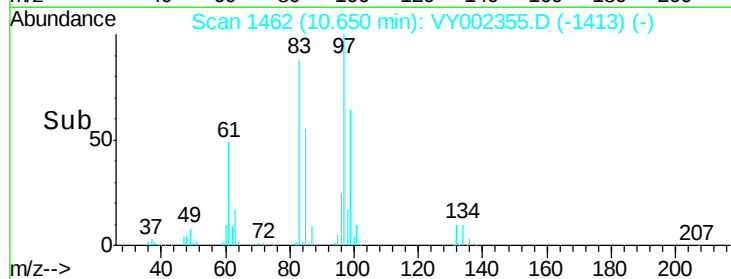
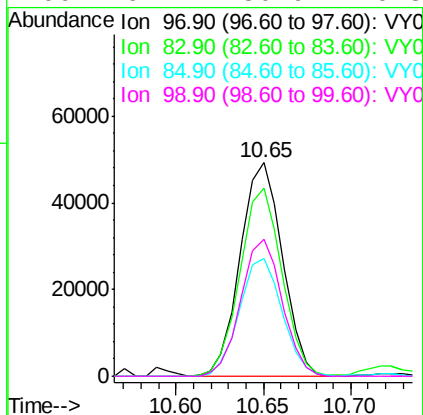
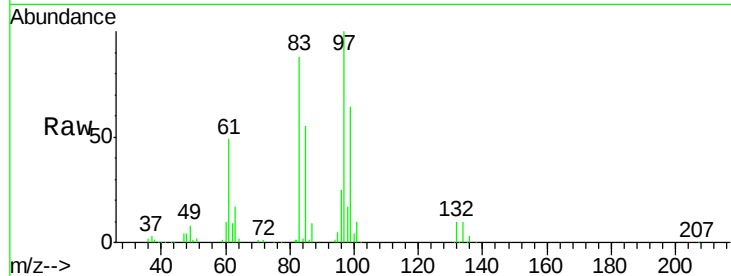
#55
 1,1,2-Trichloroethane
 Concen: 50.136 ug/l
 RT: 10.65 min Scan# 1462
 Delta R.T. -0.00 min
 Lab File: VY002355.D
 Acq: 16 Apr 2020 10:24

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	82905
Ion	Ratio	Lower	Upper
97	100		
83	88.0	69.5	104.3
85	55.1	45.2	67.8
99	64.4	50.9	76.3

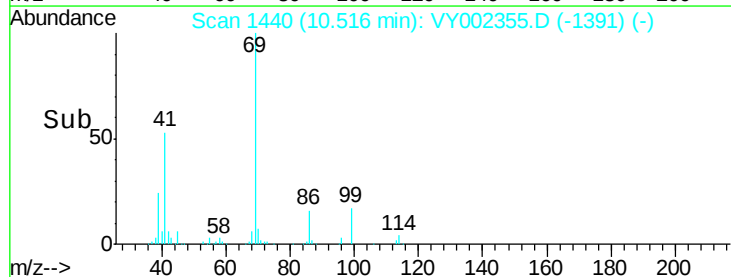
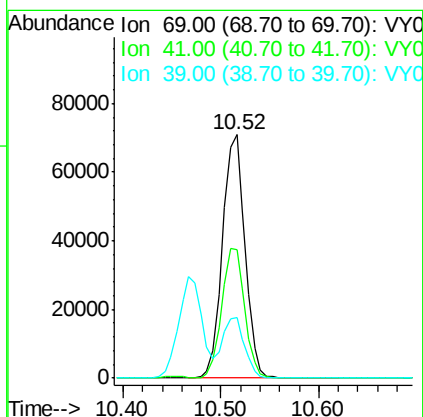
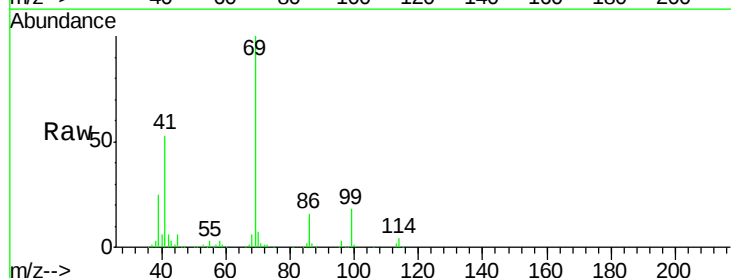
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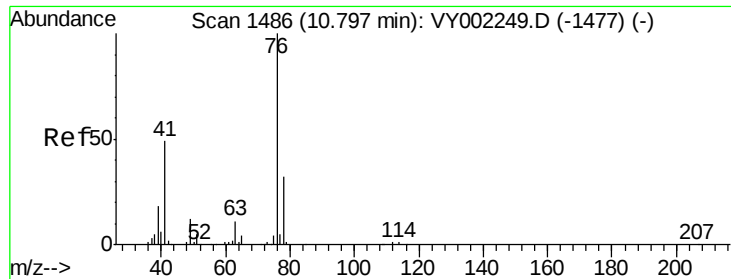
MMDadoda
 4/17/2020 11:51:53 AM



#56
 Ethyl methacrylate
 Concen: 47.777 ug/l
 RT: 10.52 min Scan# 1440
 Delta R.T. -0.00 min
 Lab File: VY002355.D
 Acq: 16 Apr 2020 10:24

Tgt Ion:	69	Resp:	112759
Ion	Ratio	Lower	Upper
69	100		
41	54.3	47.9	71.9
39	25.2	23.8	35.6





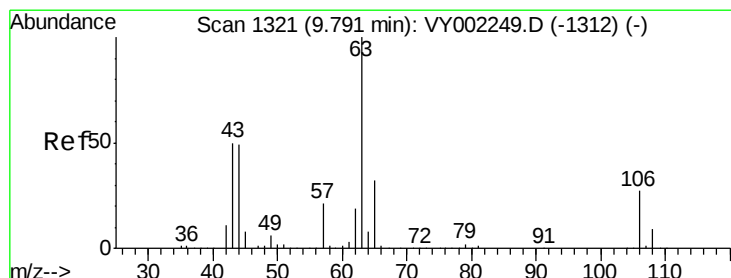
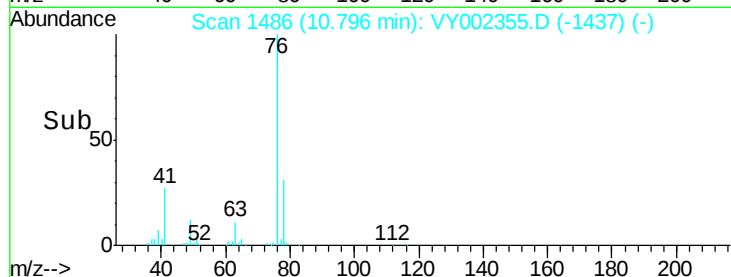
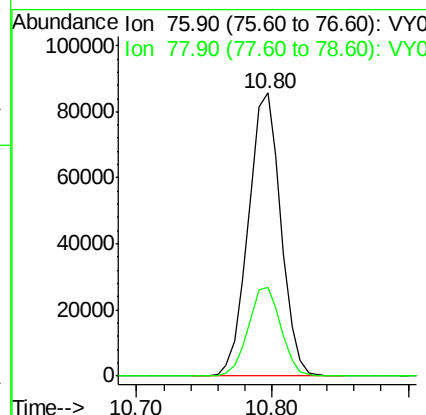
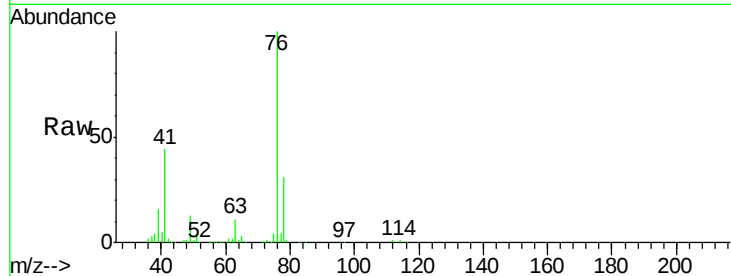
#57
 1,3-Dichloropropane
 Concen: 49.250 ug/l
 RT: 10.80 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VY002355.D
 Acq: 16 Apr 2020 10:24

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.7	25.8	38.6

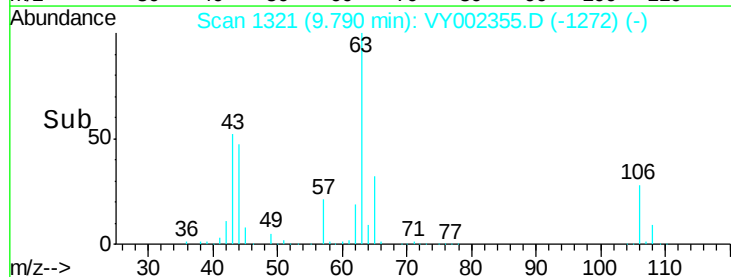
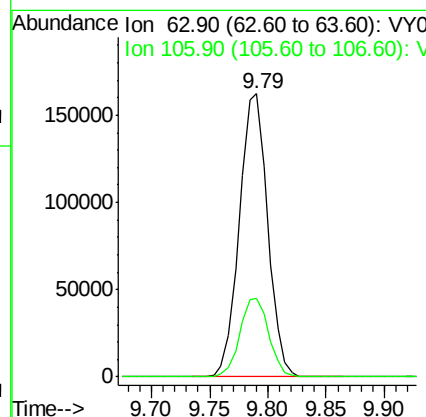
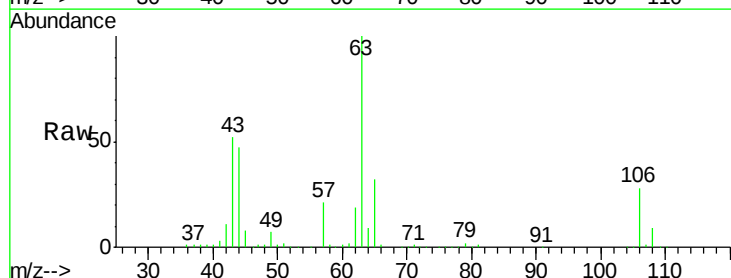
Manual Integrations
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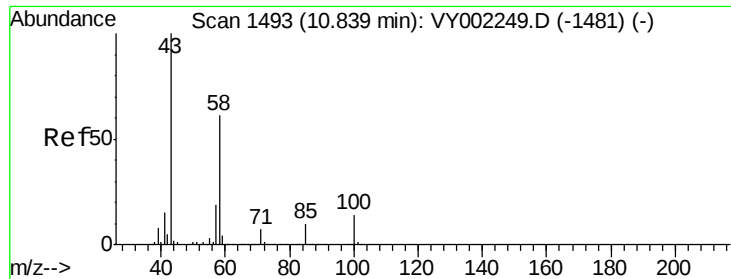
MMDadoda
 4/17/2020 11:51:53 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 225.743 ug/l
 RT: 9.79 min Scan# 1321
 Delta R.T. -0.00 min
 Lab File: VY002355.D
 Acq: 16 Apr 2020 10:24

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.3	22.2	33.2





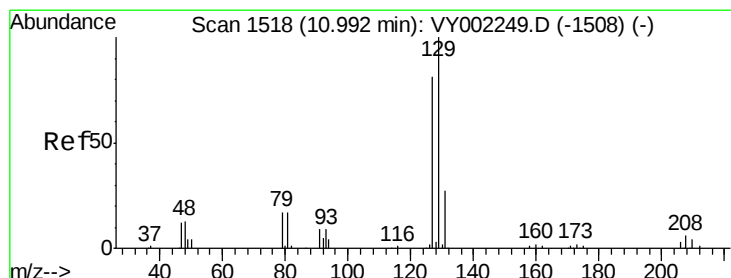
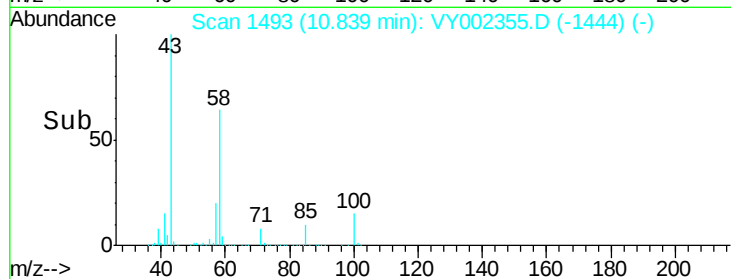
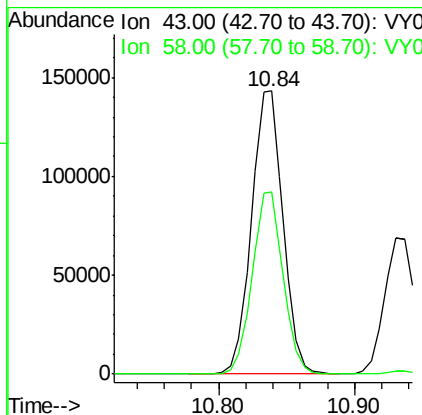
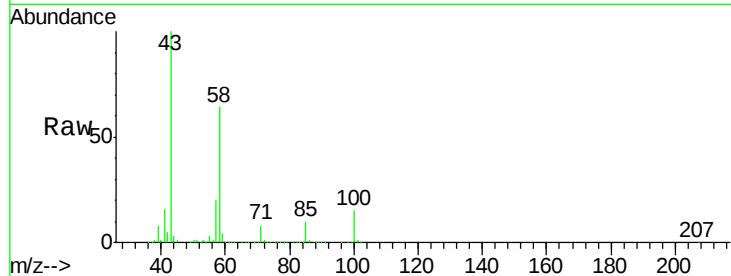
#59
2-Hexanone
Concen: 214.983 ug/l
RT: 10.84 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VY002355.D
Acq: 16 Apr 2020 10:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 232451
Ion Ratio Lower Upper
43 100
58 63.0 29.8 89.3

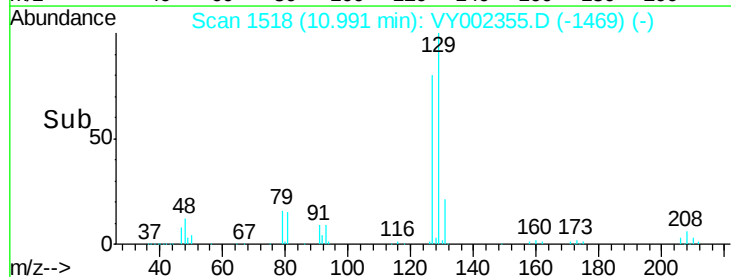
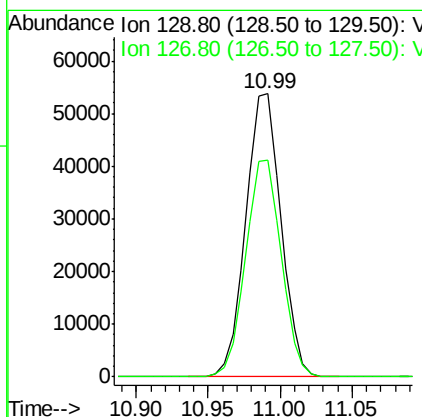
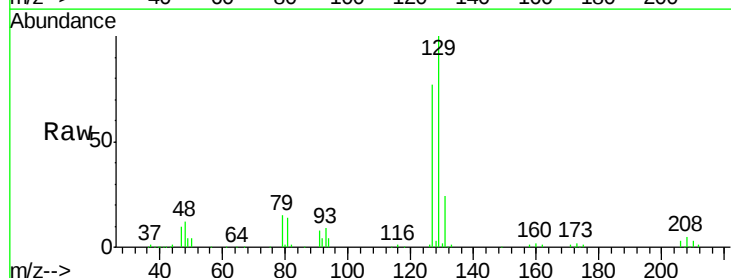
Manual Integrations
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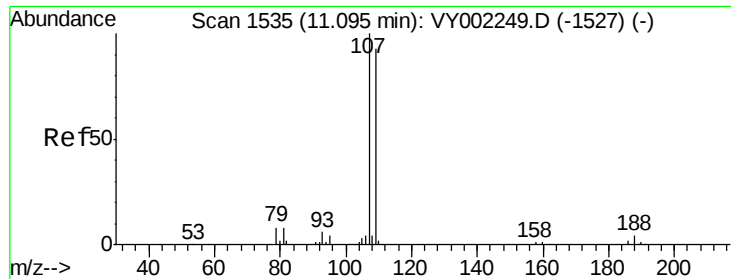
MMDadoda
4/17/2020 11:51:53 AM



#60
Dibromochloromethane
Concen: 51.486 ug/l
RT: 10.99 min Scan# 1518
Delta R.T. -0.00 min
Lab File: VY002355.D
Acq: 16 Apr 2020 10:24

Tgt Ion: 129 Resp: 90783
Ion Ratio Lower Upper
129 100
127 77.6 39.0 117.0





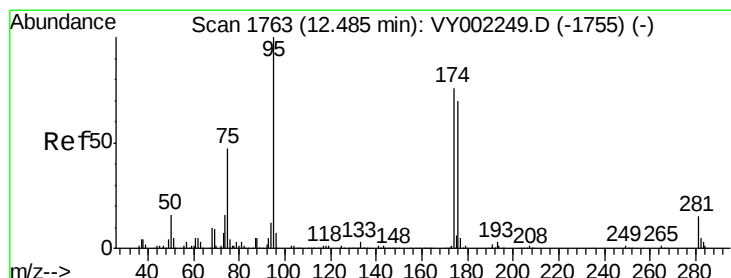
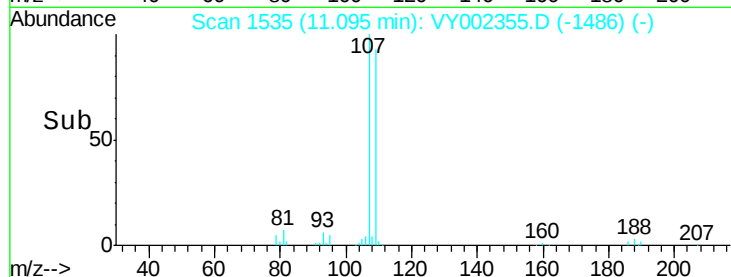
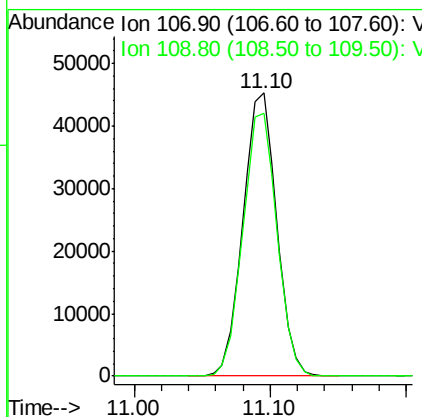
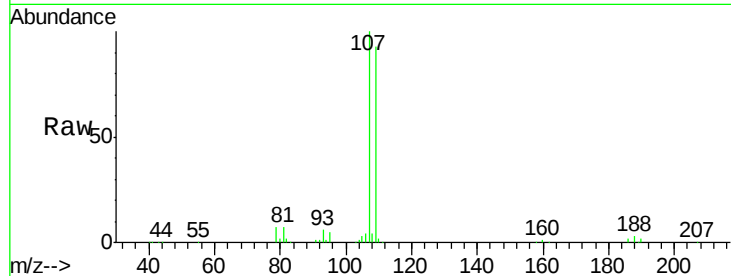
#61
 1,2-Dibromoethane
 Concen: 49.804 ug/l
 RT: 11.10 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VY002355.D
 Acq: 16 Apr 2020 10:24

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion: 107 Resp: 78404
 Ion Ratio Lower Upper
 107 100
 109 94.2 75.6 113.4

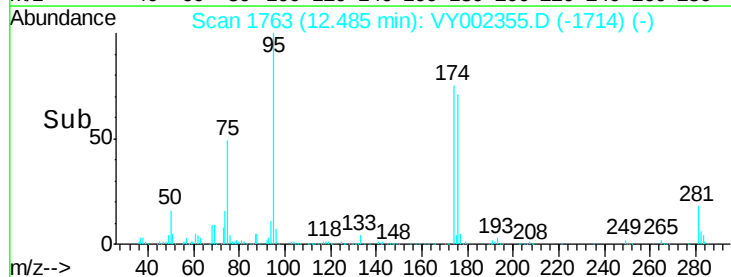
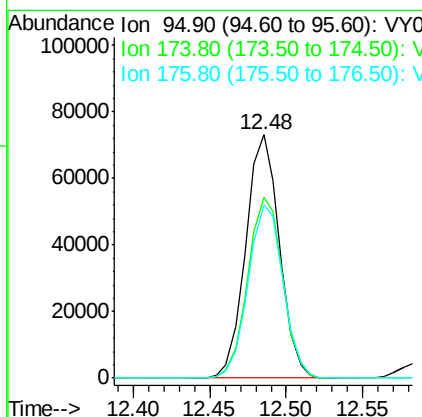
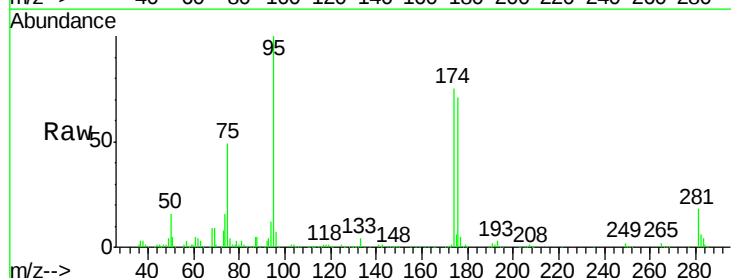
Manual Integrations
 APPROVED

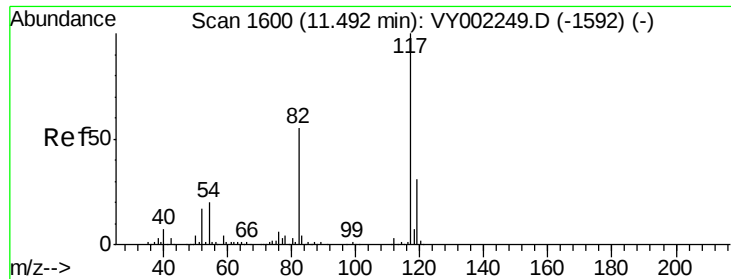
MMDadoda
 4/17/2020 11:51:53 AM



#62
 4-Bromofluorobenzene
 Concen: 46.721 ug/l
 RT: 12.48 min Scan# 1763
 Delta R.T. -0.00 min
 Lab File: VY002355.D
 Acq: 16 Apr 2020 10:24

Tgt Ion: 95 Resp: 111842
 Ion Ratio Lower Upper
 95 100
 174 77.1 0.0 150.6
 176 73.8 0.0 141.4





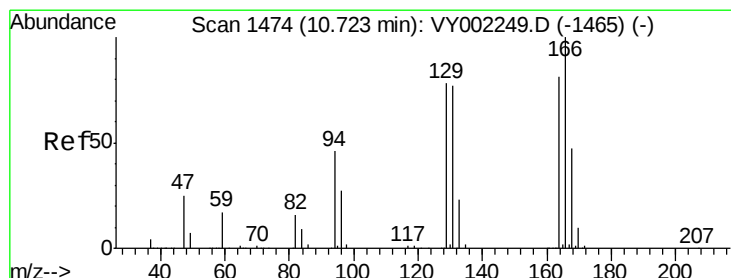
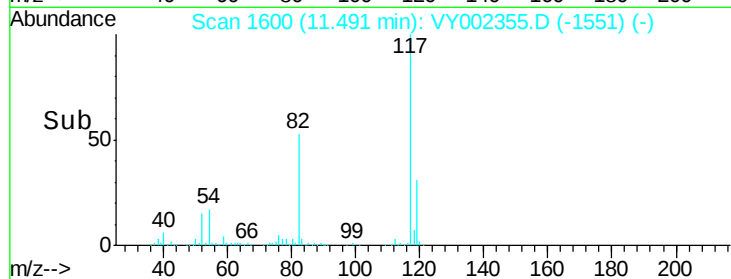
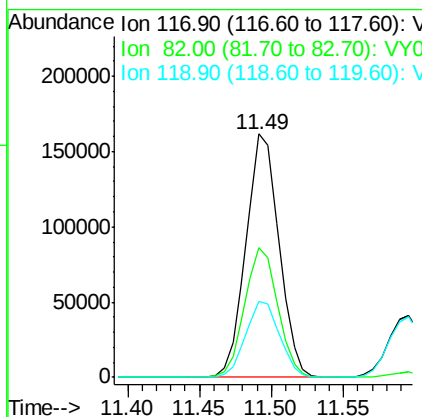
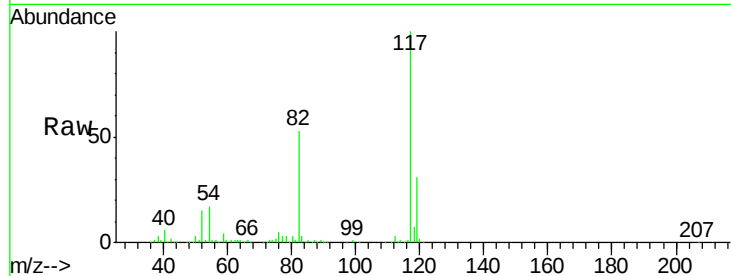
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY002355.D
Acq: 16 Apr 2020 10:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	256343		
82	53.4		44.2	66.4
119	31.4		25.1	37.7

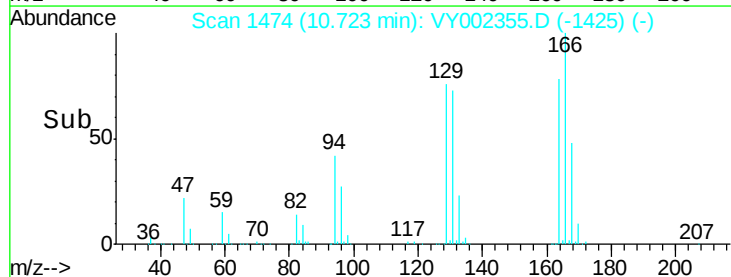
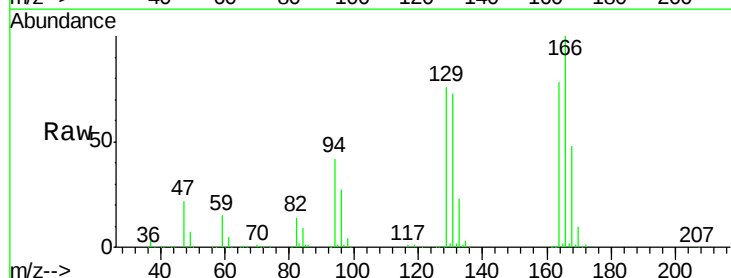
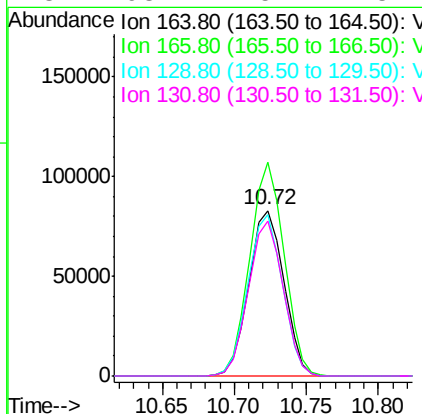
Manual Integrations
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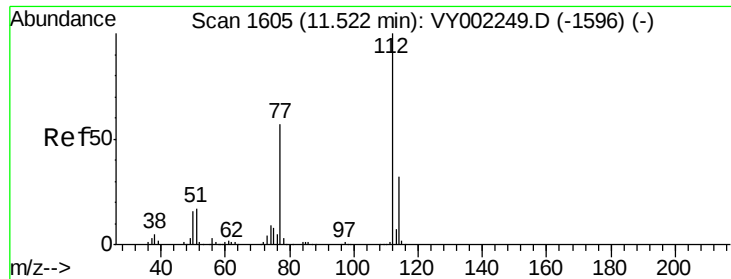
MMDadoda
4/17/2020 11:51:53 AM



#64
Tetrachloroethene
Concen: 53.955 ug/l
RT: 10.72 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VY002355.D
Acq: 16 Apr 2020 10:24

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	139834		
166	128.9		98.4	147.6
129	97.4		76.6	115.0
131	93.7		75.4	113.2





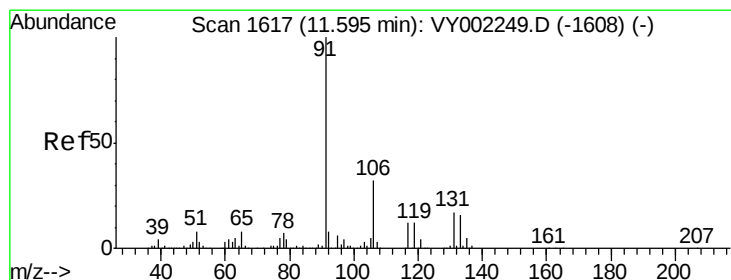
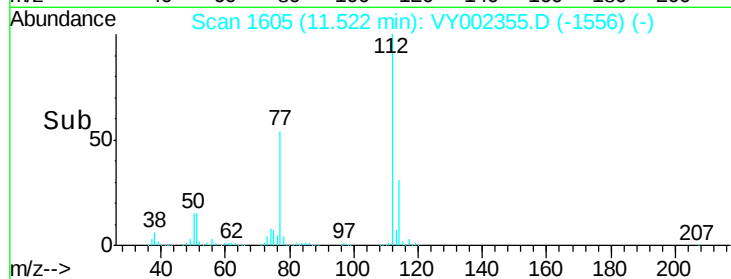
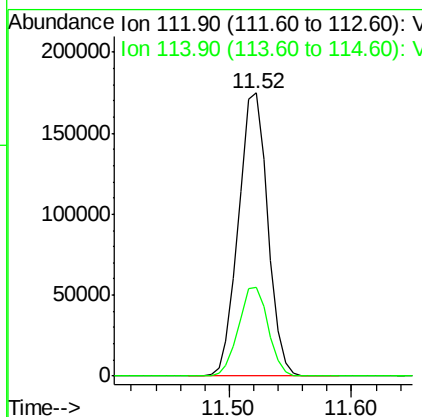
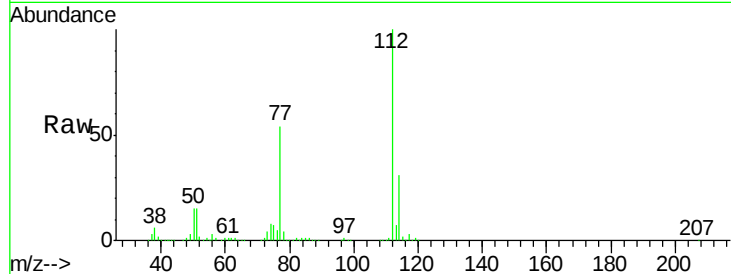
#65
Chlorobenzene
Concen: 54.388 ug/l
RT: 11.52 min Scan# 1605
Delta R.T. -0.00 min
Lab File: VY002355.D
Acq: 16 Apr 2020 10:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 289815
Ion Ratio Lower Upper
112 100
114 31.4 25.6 38.4

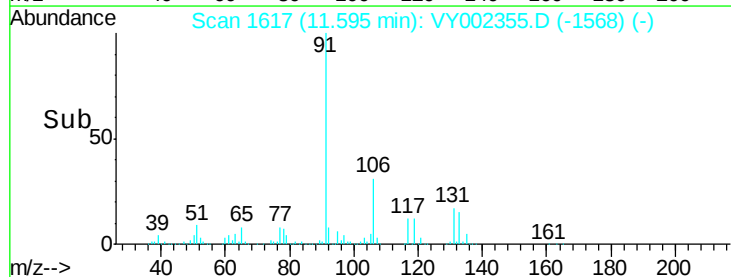
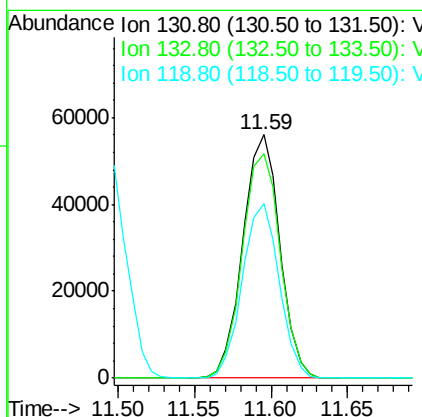
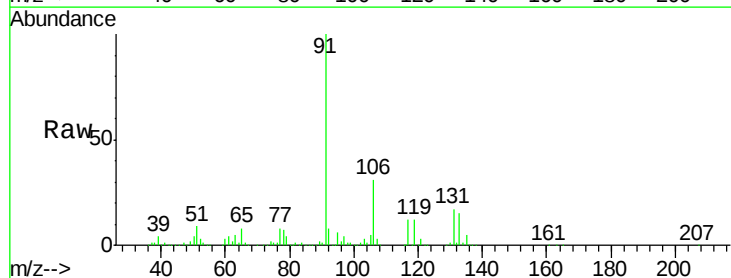
Manual Integrations
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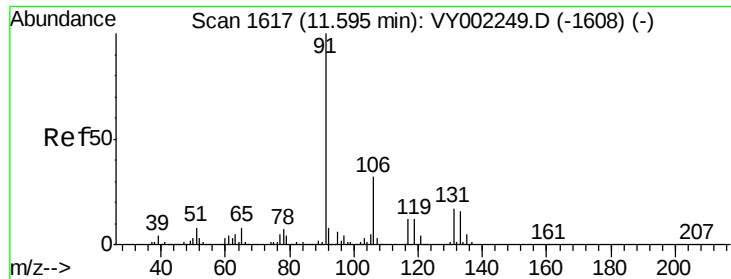
MMDadoda
4/17/2020 11:51:53 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 53.603 ug/l
RT: 11.59 min Scan# 1617
Delta R.T. -0.00 min
Lab File: VY002355.D
Acq: 16 Apr 2020 10:24

Tgt Ion:131 Resp: 94304
Ion Ratio Lower Upper
131 100
133 94.9 46.5 139.3
119 71.7 34.5 103.6





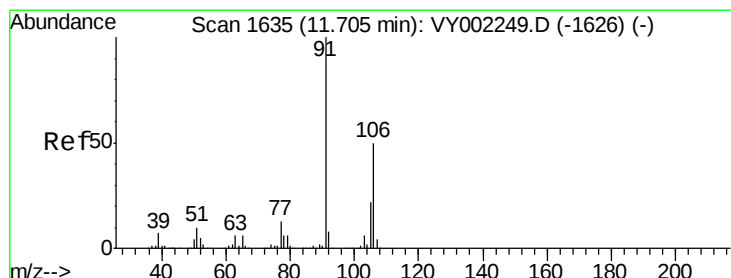
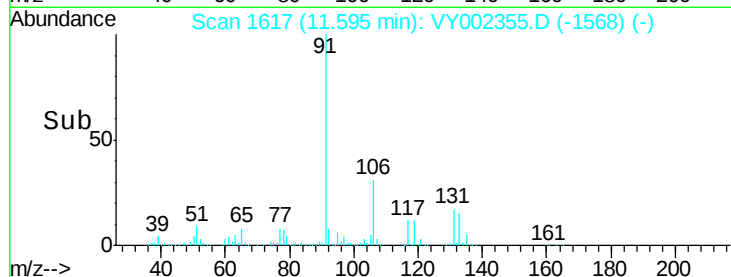
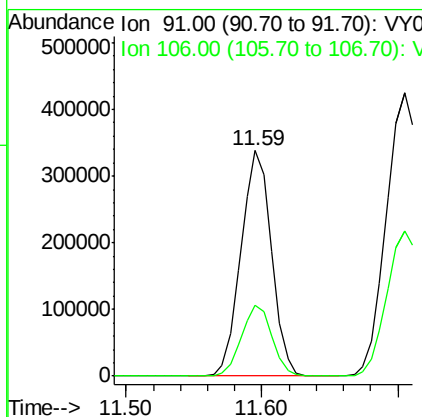
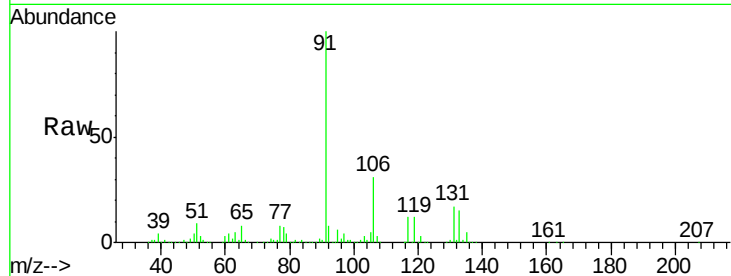
#67
Ethyl Benzene
Concen: 54.272 ug/l
RT: 11.59 min Scan# 1617
Delta R.T. -0.00 min
Lab File: VY002355.D
Acq: 16 Apr 2020 10:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 529418
Ion Ratio Lower Upper
91 100
106 31.4 25.4 38.0

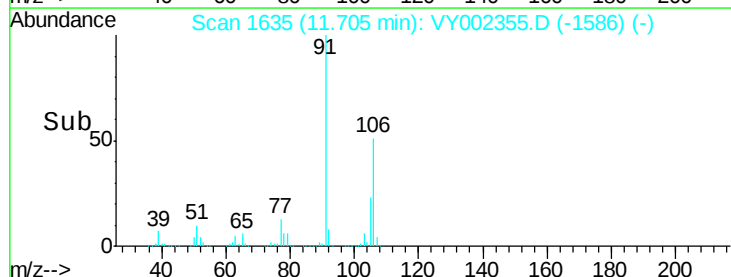
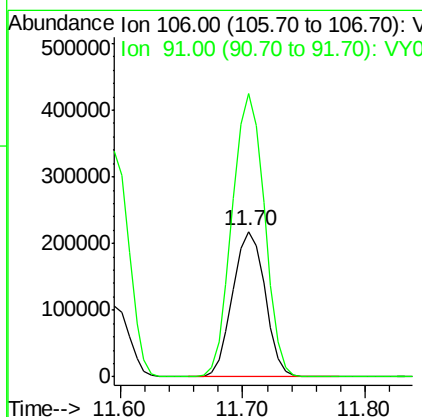
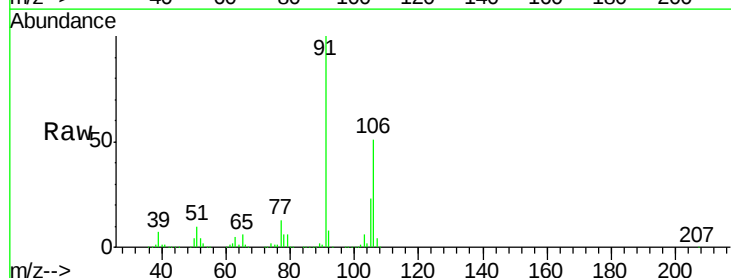
Manual Integrations
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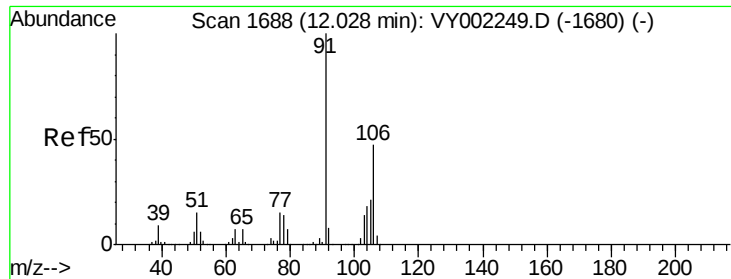
MMDadoda
4/17/2020 11:51:53 AM



#68
m/p-Xylenes
Concen: 109.147 ug/l
RT: 11.70 min Scan# 1635
Delta R.T. -0.00 min
Lab File: VY002355.D
Acq: 16 Apr 2020 10:24

Tgt Ion: 106 Resp: 398789
Ion Ratio Lower Upper
106 100
91 194.9 159.8 239.6





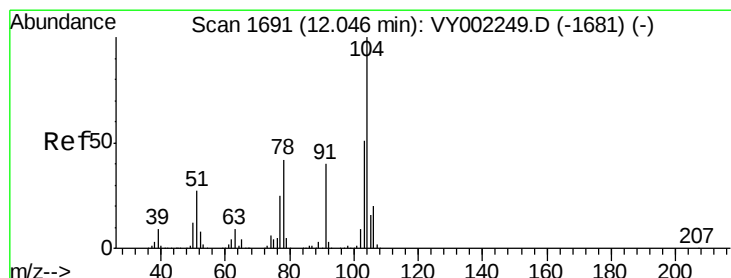
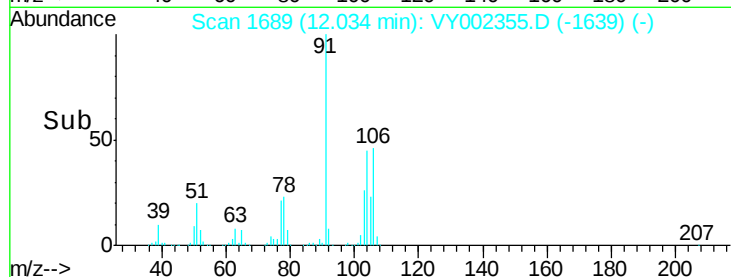
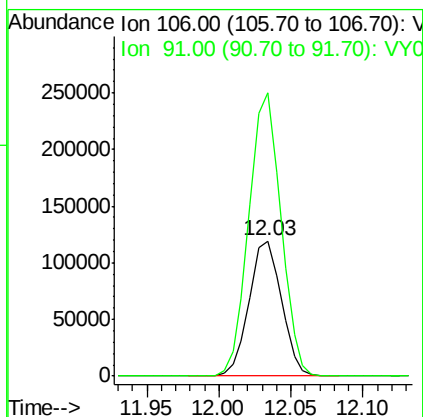
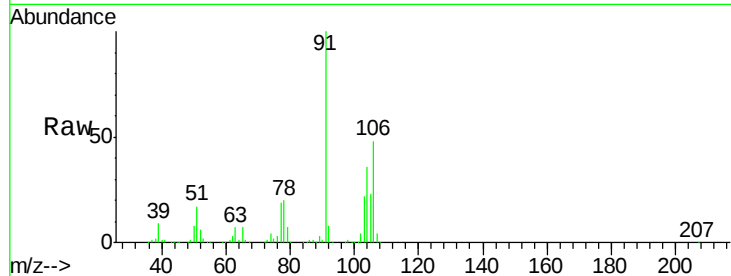
#69
o-Xylene
Concen: 54.135 ug/l
RT: 12.03 min Scan# 1689
Delta R.T. 0.01 min
Lab File: VY002355.D
Acq: 16 Apr 2020 10:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
106	100	185695		
91	207.6	105.8	317.3	

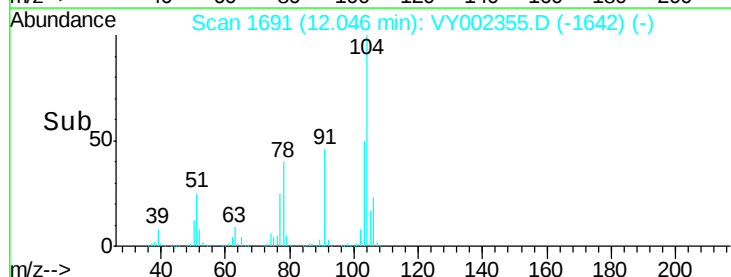
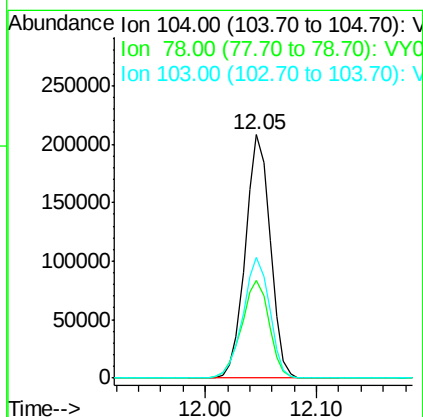
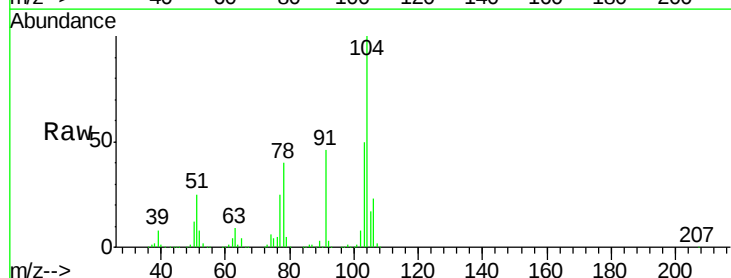
Manual Integrations
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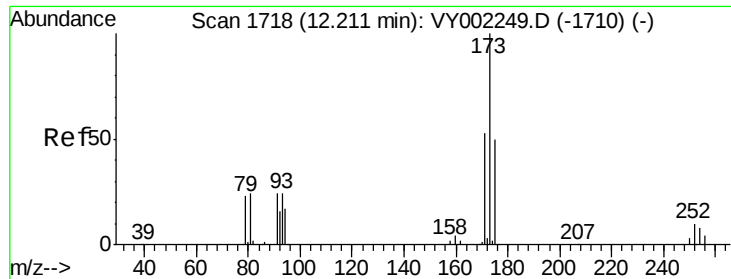
MMDadoda
4/17/2020 11:51:53 AM



#70
Styrene
Concen: 54.403 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VY002355.D
Acq: 16 Apr 2020 10:24

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	323763		
78	44.3	37.2	55.8	
103	53.0	43.4	65.0	





#71

Bromoform

Concen: 50.867 ug/l

RT: 12.21 min Scan# 1718

Delta R.T. -0.00 min

Lab File: VY002355.D

Acq: 16 Apr 2020 10:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 48666

Ion Ratio Lower Upper

173 100

175 48.4 24.1 72.3

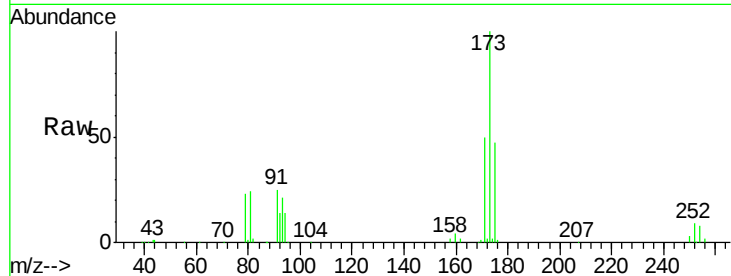
254 0.0 0.0 0.0

Manual Integrations

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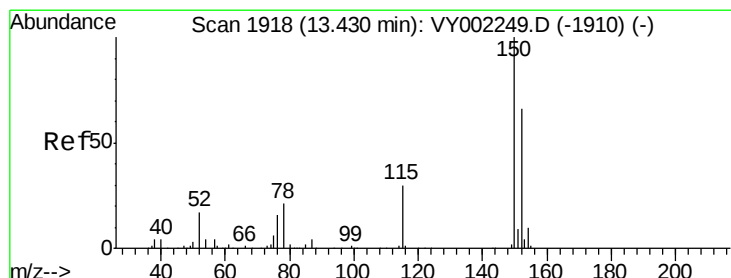
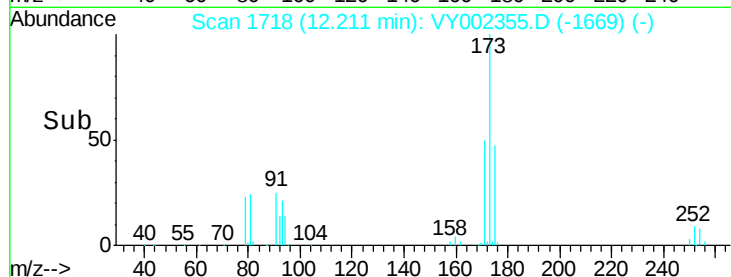
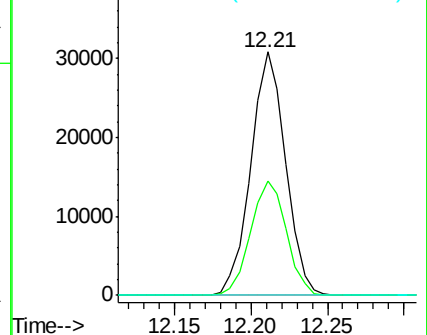
4/17/2020 11:51:53 AM



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: 13.43 min Scan# 1918

Delta R.T. -0.00 min

Lab File: VY002355.D

Acq: 16 Apr 2020 10:24

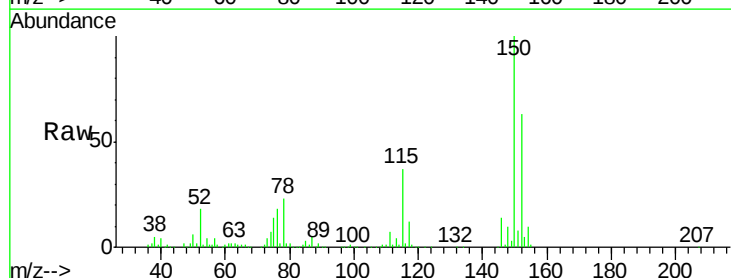
Tgt Ion:152 Resp: 112514

Ion Ratio Lower Upper

152 100

115 58.2 30.7 92.1

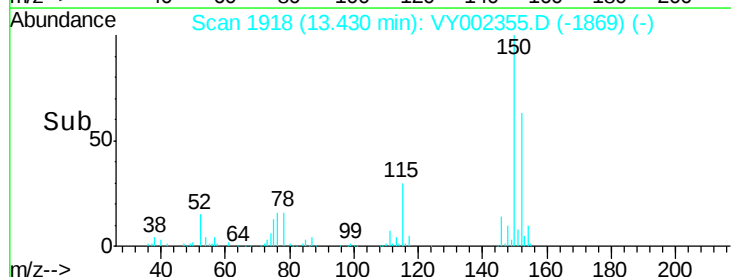
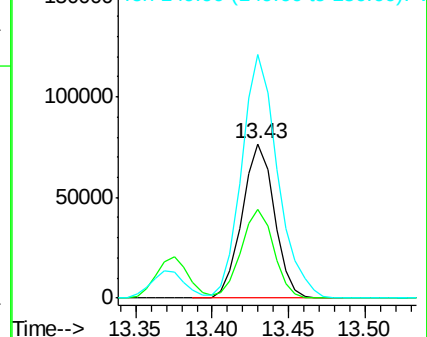
150 176.1 0.0 350.6

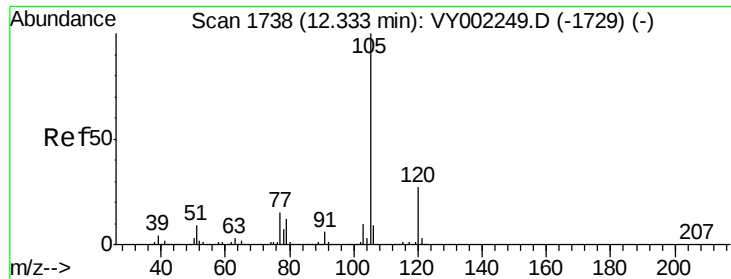


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





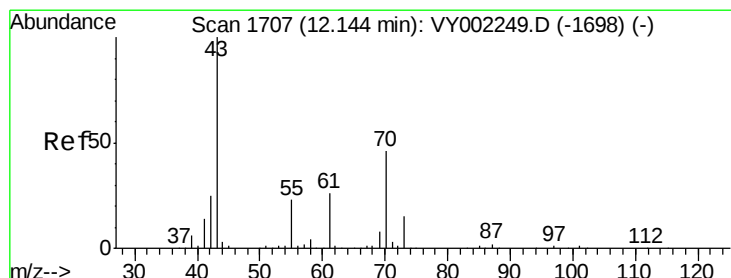
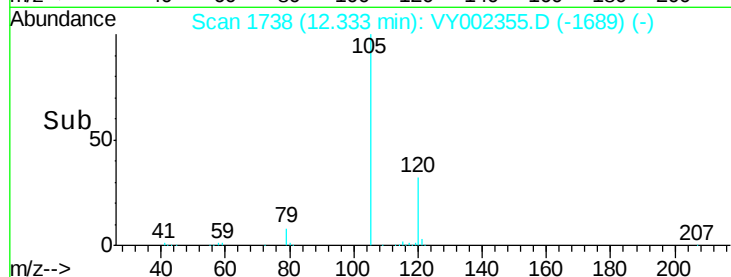
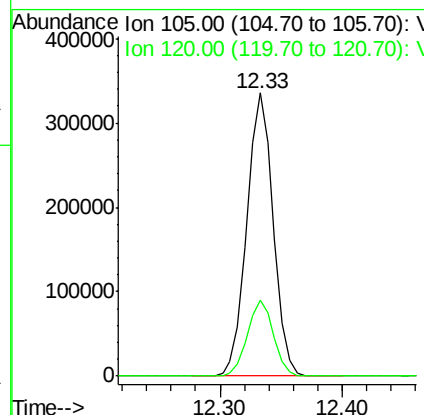
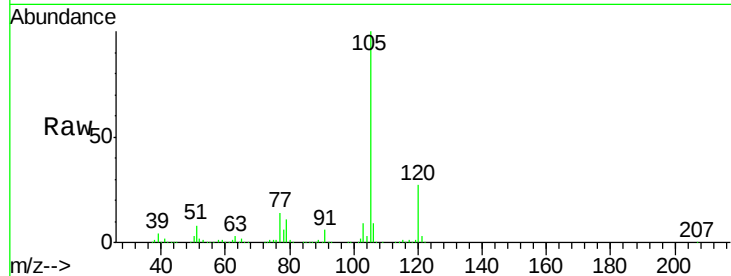
#73
Isopropylbenzene
Concen: 56.573 ug/l
RT: 12.33 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VY002355.D
Acq: 16 Apr 2020 10:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.6	13.3	39.8

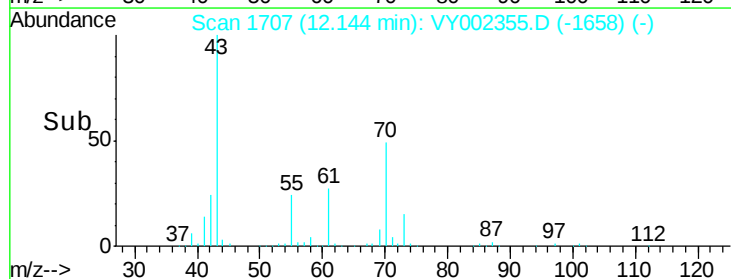
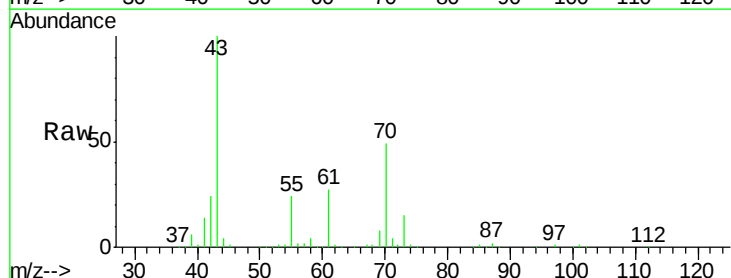
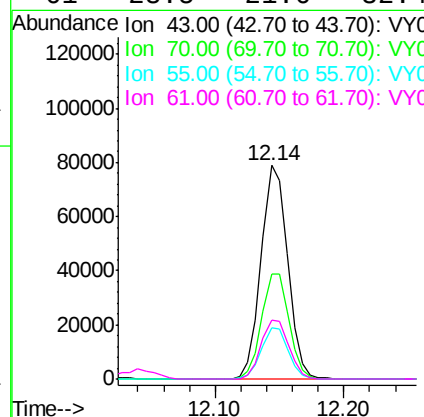
Manual Integrations
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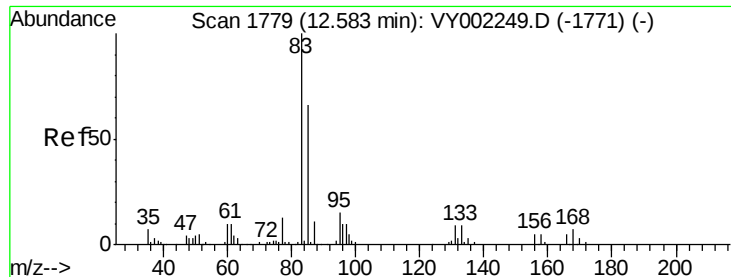
MMDadoda
4/17/2020 11:51:53 AM



#74
N-ethyl acetate
Concen: 44.824 ug/l
RT: 12.14 min Scan# 1707
Delta R.T. -0.00 min
Lab File: VY002355.D
Acq: 16 Apr 2020 10:24

Tgt Ion	Ratio	Lower	Upper
43	100		
70	51.0	37.5	56.3
55	24.7	19.0	28.6
61	28.5	21.6	32.4





#75

1,1,2,2-Tetrachloroethane

Concen: 53.419 ug/l

RT: 12.59 min Scan# 1780

Delta R.T. 0.01 min

Lab File: VY002355.D

Acq: 16 Apr 2020 10:24

Instrument :

MSVOA_Y

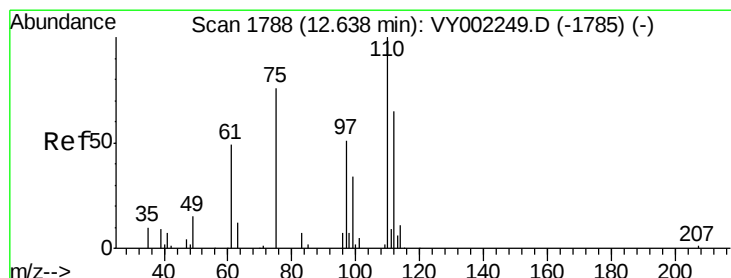
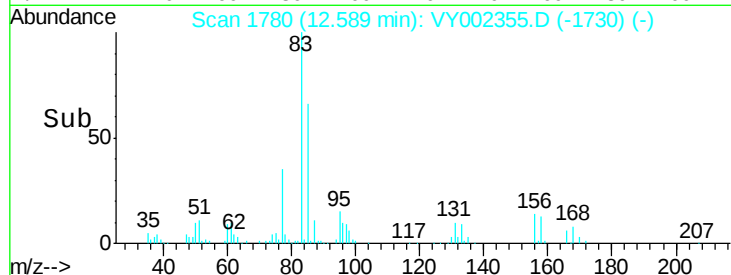
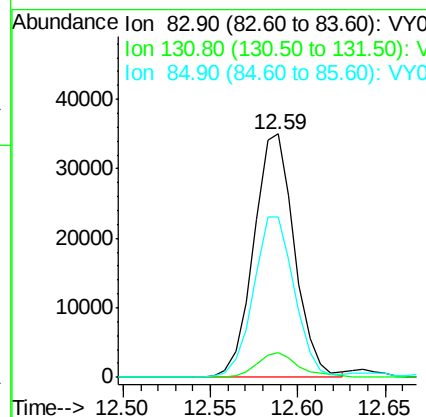
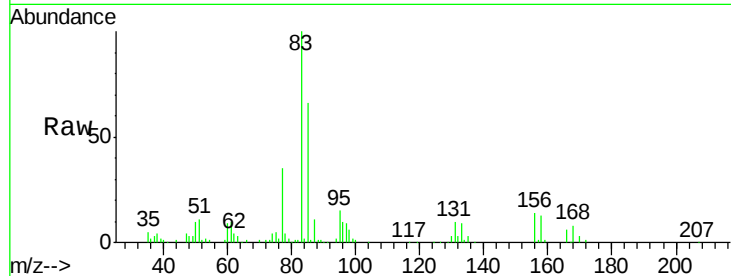
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	57128
Ion Ratio	Lower	Upper	
83	100		
131	10.3	4.9	14.7
85	66.3	32.6	97.8

Manual Integrations
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MMDadoda
4/17/2020 11:51:53 AM



#76

1,2,3-Trichloropropane

Concen: 44.912 ug/l m

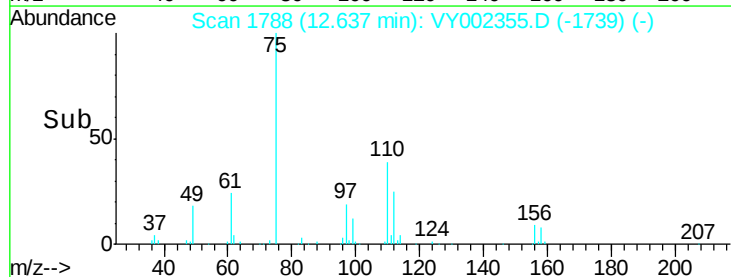
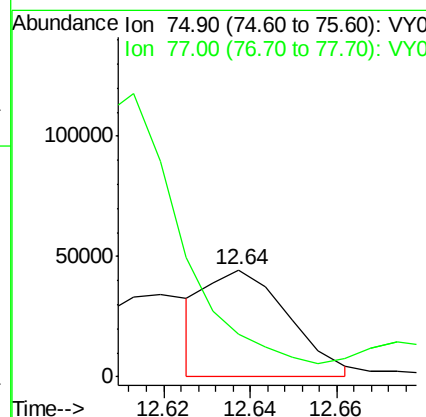
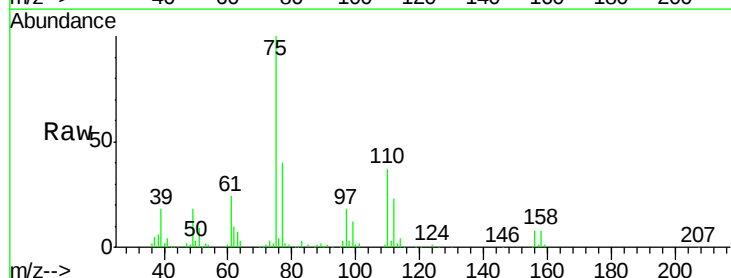
RT: 12.64 min Scan# 1788

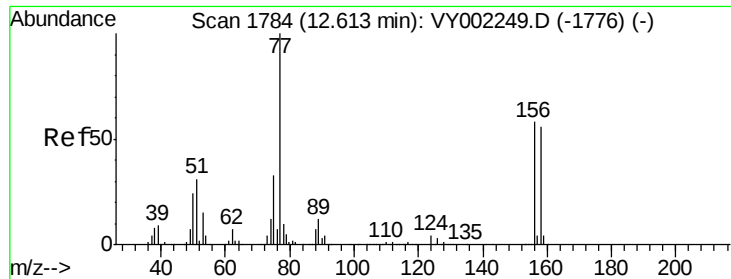
Delta R.T. -0.00 min

Lab File: VY002355.D

Acq: 16 Apr 2020 10:24

Tgt Ion:	75	Resp:	58679
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 54.991 ug/l

RT: 12.61 min Scan# 1784

Delta R.T. -0.00 min

Lab File: VY002355.D

Acq: 16 Apr 2020 10:24

Instrument :

MSVOA_Y

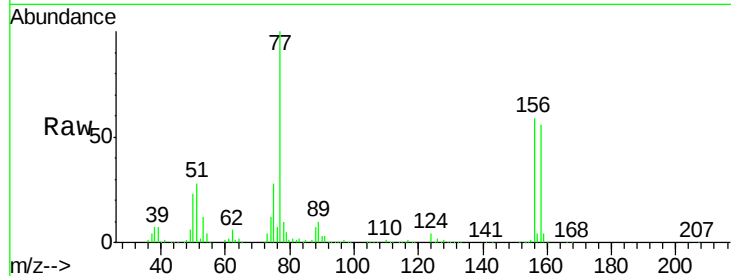
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	192.7	101.3	303.9
158	95.2	48.3	144.8

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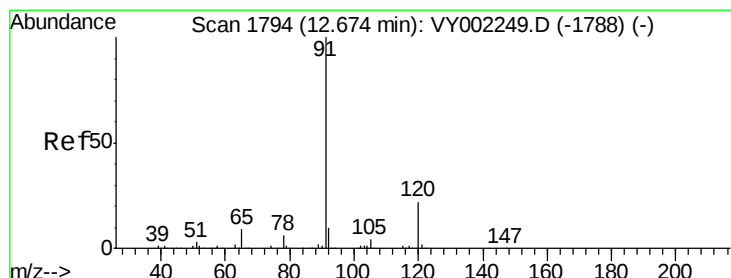
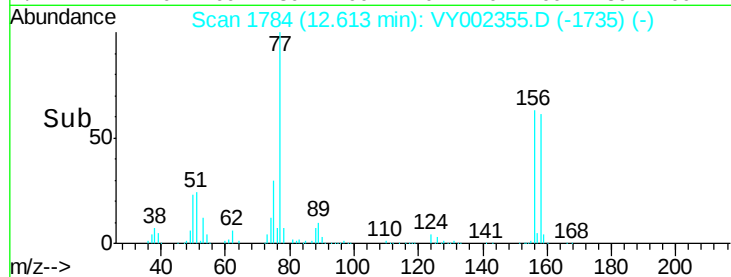
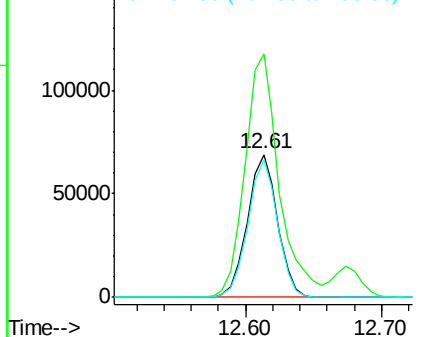
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 55.227 ug/l

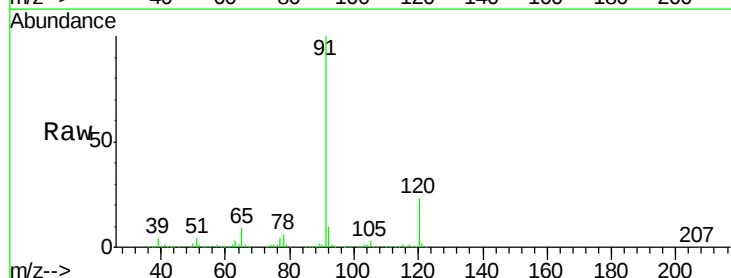
RT: 12.67 min Scan# 1794

Delta R.T. -0.00 min

Lab File: VY002355.D

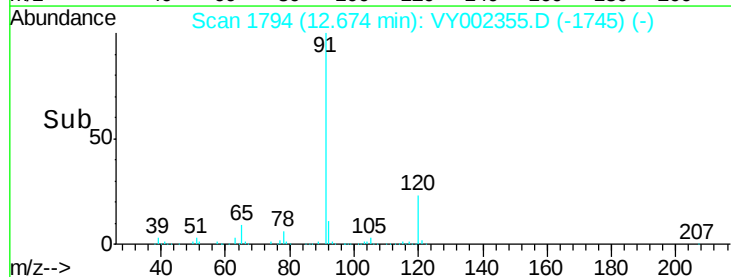
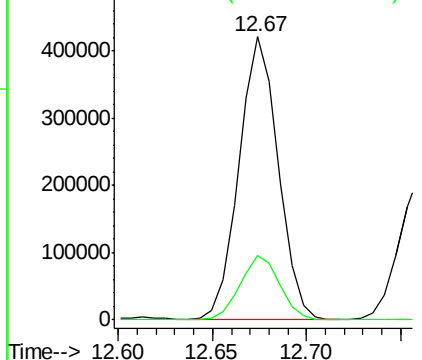
Acq: 16 Apr 2020 10:24

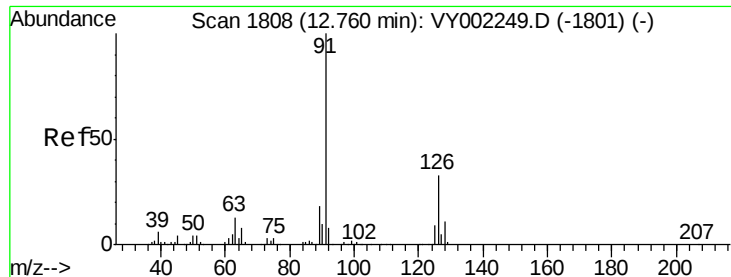
Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.9	11.2	33.5



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 54.185 ug/l

RT: 12.76 min Scan# 1808

Delta R.T. -0.00 min

Lab File: VY002355.D

Acq: 16 Apr 2020 10:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 323722

Ion Ratio Lower Upper

91 100

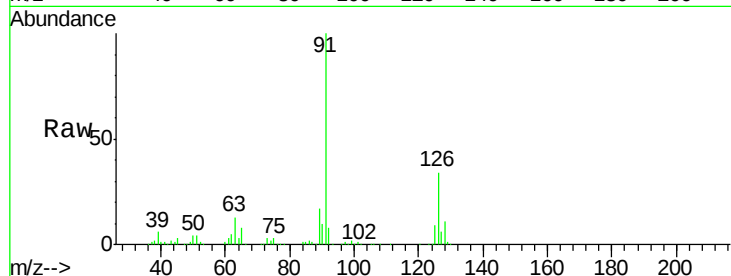
126 34.5 16.9 50.7

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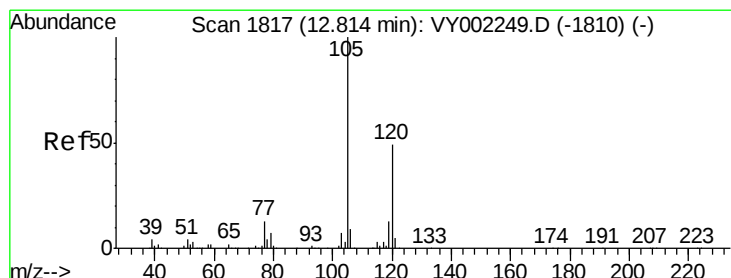
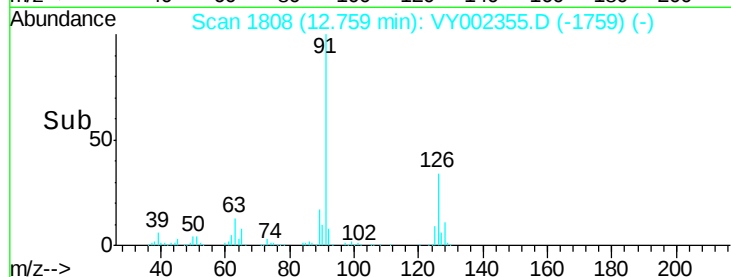
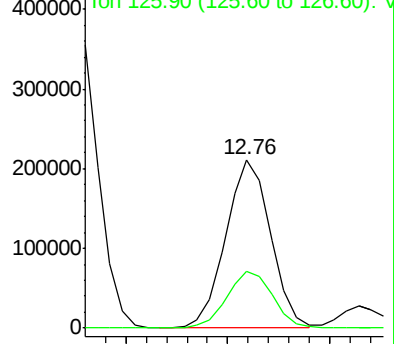
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Abundance Ion 91.00 (90.70 to 91.70): VY002249.D (-1801) (-)



#80

1,3,5-Trimethylbenzene

Concen: 55.298 ug/l

RT: 12.81 min Scan# 1817

Delta R.T. -0.00 min

Lab File: VY002355.D

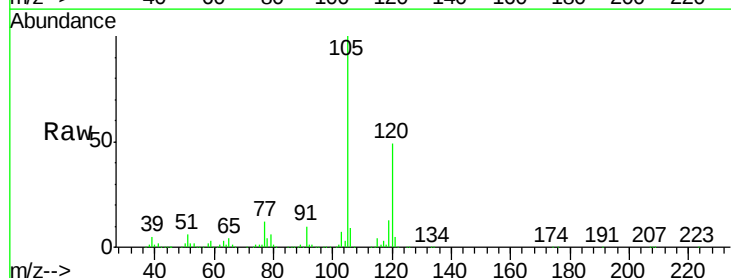
Acq: 16 Apr 2020 10:24

Tgt Ion: 105 Resp: 404247

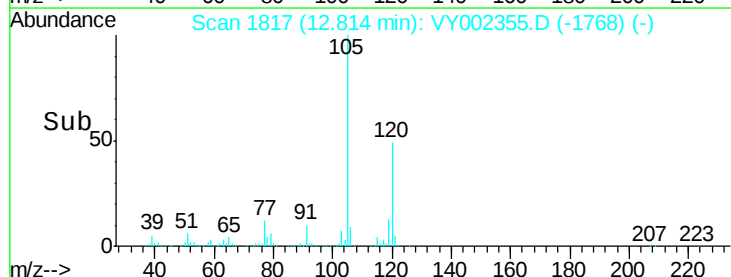
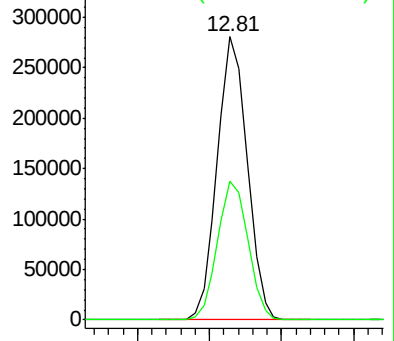
Ion Ratio Lower Upper

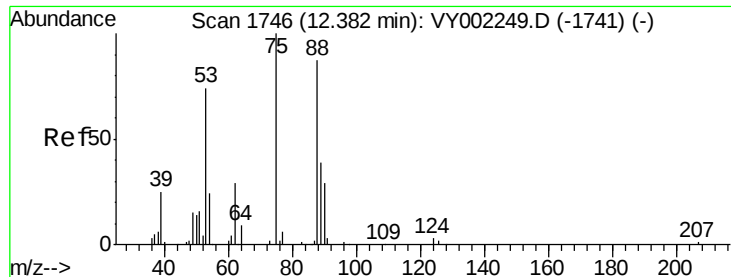
105 100

120 49.8 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): VY002249.D (-1810) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 50.681 ug/l

RT: 12.38 min Scan# 1746

Delta R.T. -0.00 min

Lab File: VY002355.D

Acq: 16 Apr 2020 10:24

Instrument :

MSVOA_Y

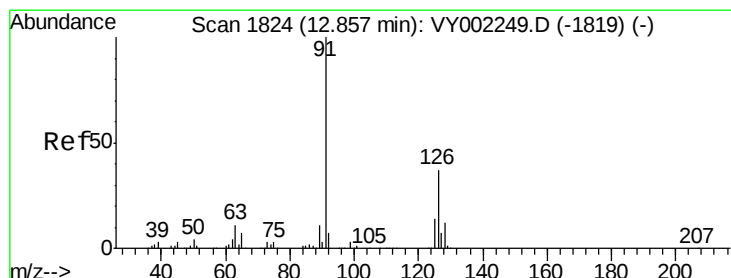
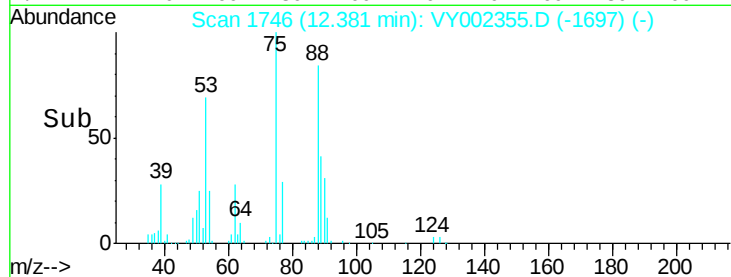
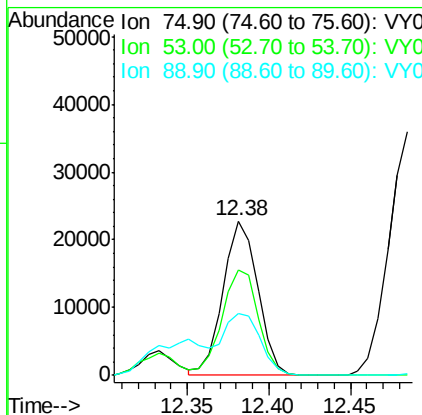
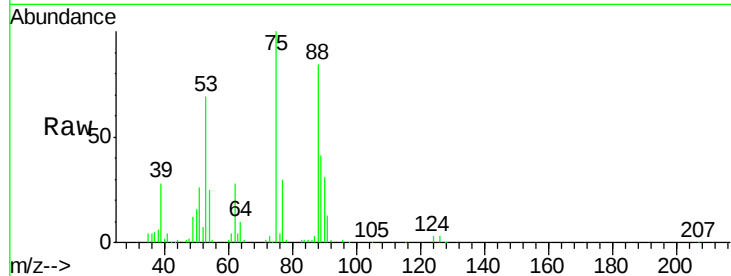
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	34045
Ion Ratio	Lower	Upper	
75	100		
53	71.4	59.8	89.8
89	43.2	37.0	55.6

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#82

4-Chlorotoluene

Concen: 53.573 ug/l

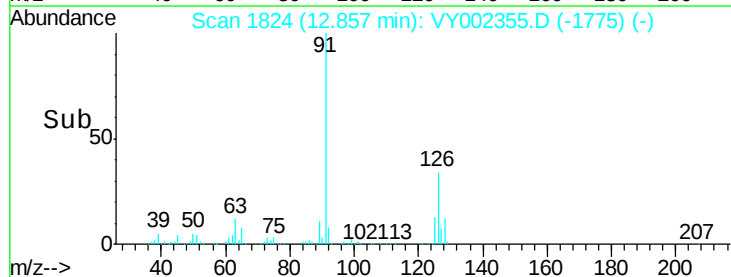
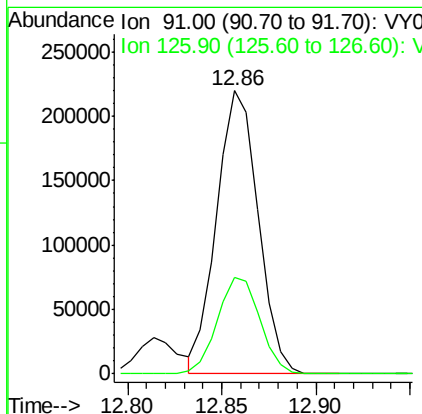
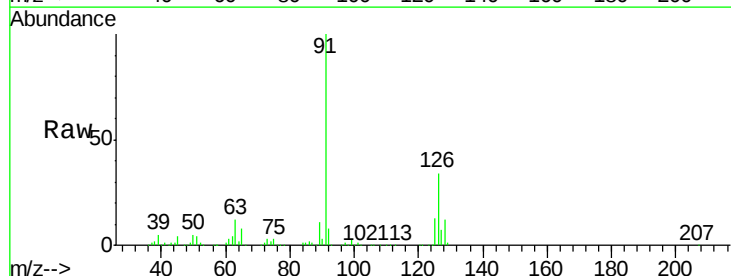
RT: 12.86 min Scan# 1824

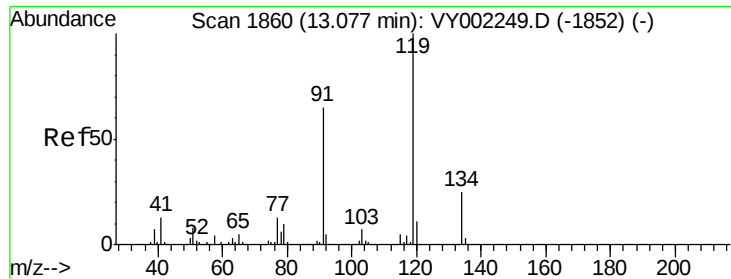
Delta R.T. -0.00 min

Lab File: VY002355.D

Acq: 16 Apr 2020 10:24

Tgt Ion:	91	Resp:	335459
Ion Ratio	Lower	Upper	
91	100		
126	35.0	16.9	50.7





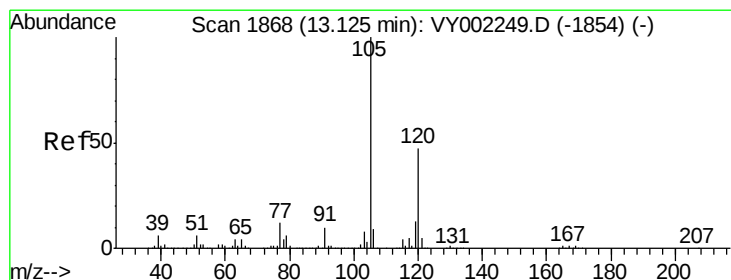
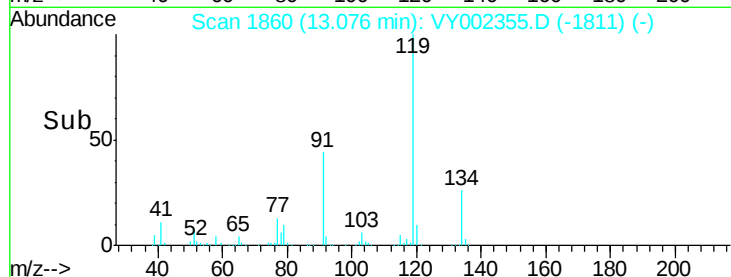
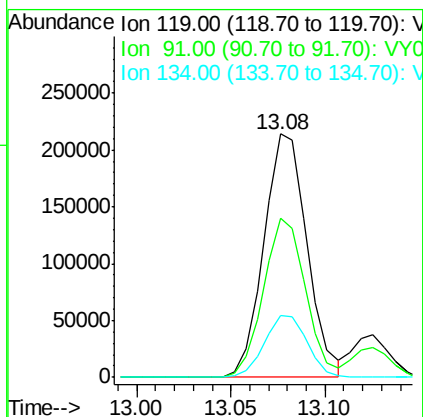
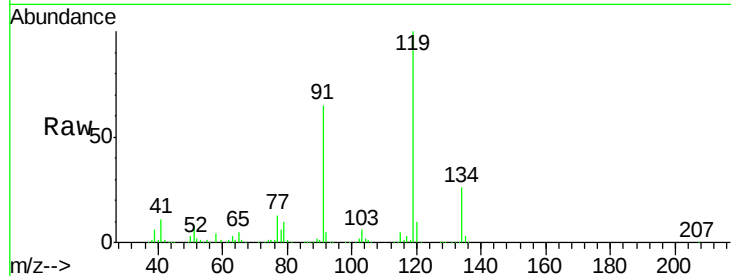
#83
tert-Butylbenzene
Concen: 55.600 ug/l
RT: 13.08 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VY002355.D
Acq: 16 Apr 2020 10:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.7	32.4	97.0
134	25.6	12.6	37.6

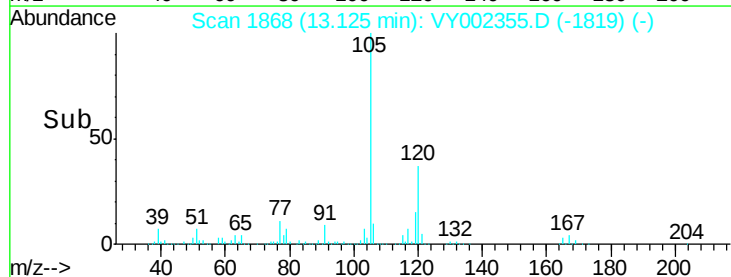
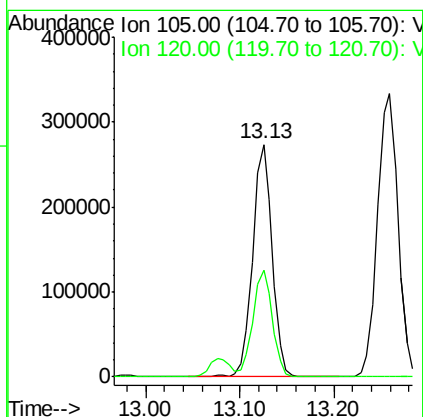
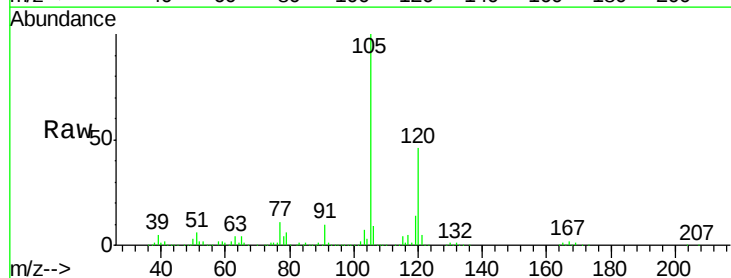
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#84
1,2,4-Trimethylbenzene
Concen: 54.710 ug/l
RT: 13.13 min Scan# 1868
Delta R.T. -0.00 min
Lab File: VY002355.D
Acq: 16 Apr 2020 10:24

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.3	23.1	69.2





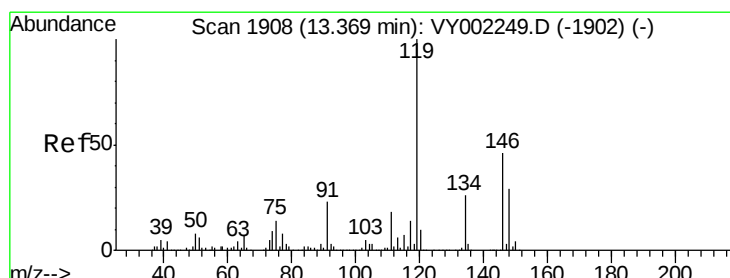
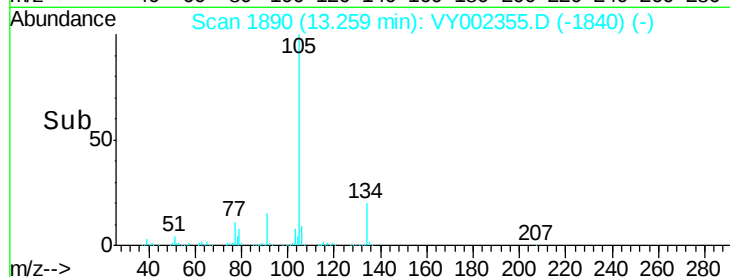
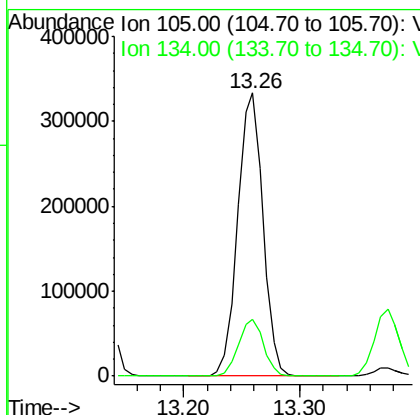
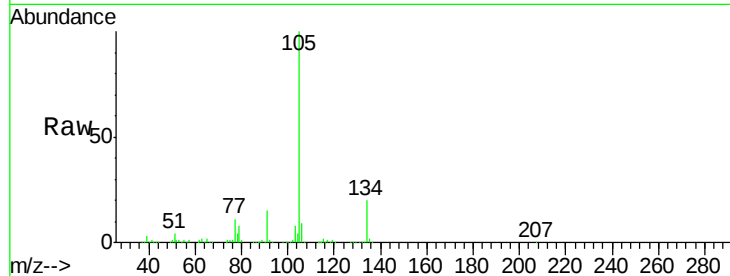
#85
 sec-Butylbenzene
 Concen: 55.195 ug/l
 RT: 13.26 min Scan# 1890
 Delta R.T. 0.01 min
 Lab File: VY002355.D
 Acq: 16 Apr 2020 10:24

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.0	9.8	29.3

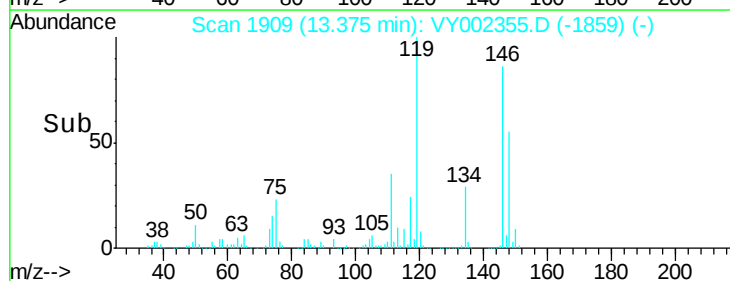
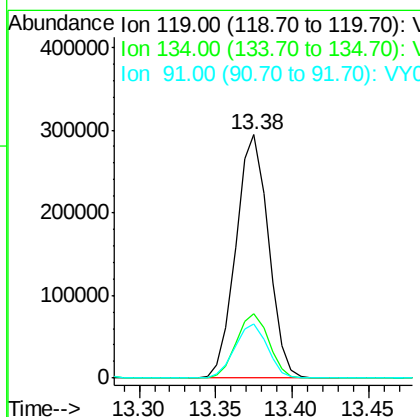
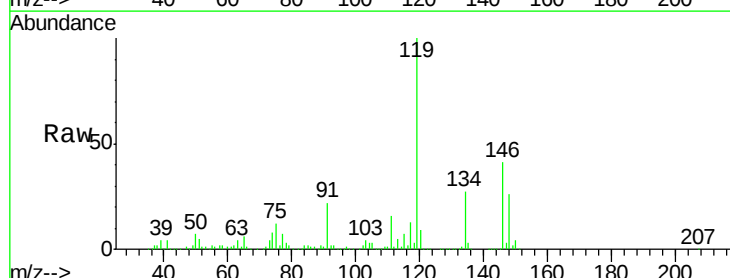
Manual Integrations
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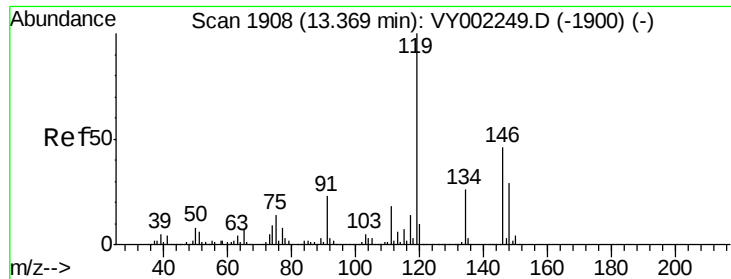
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#86
 p-Isopropyltoluene
 Concen: 55.225 ug/l
 RT: 13.38 min Scan# 1909
 Delta R.T. 0.01 min
 Lab File: VY002355.D
 Acq: 16 Apr 2020 10:24

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.8	13.3	39.9
91	22.4	11.5	34.4





#87

1,3-Dichlorobenzene

Concen: 54.441 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. -0.00 min

Lab File: VY002355.D

Acq: 16 Apr 2020 10:24

Instrument :

MSVOA_Y

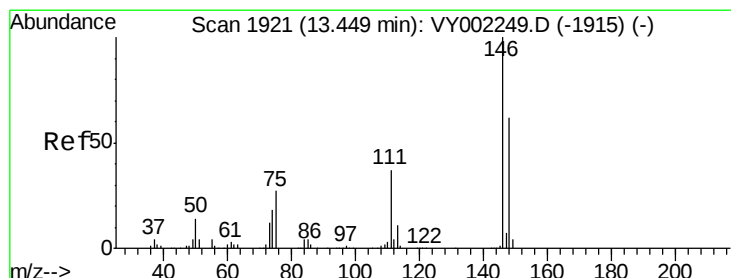
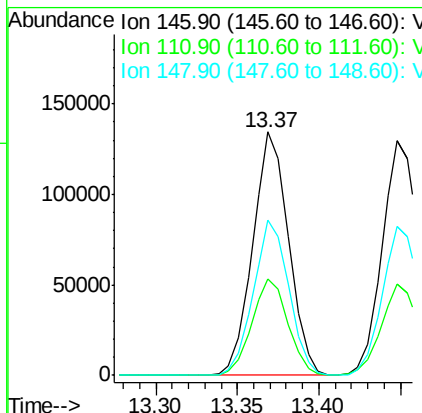
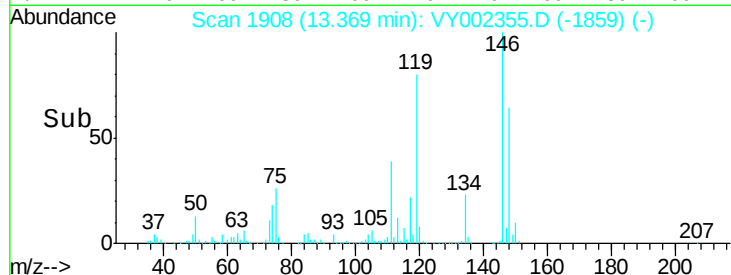
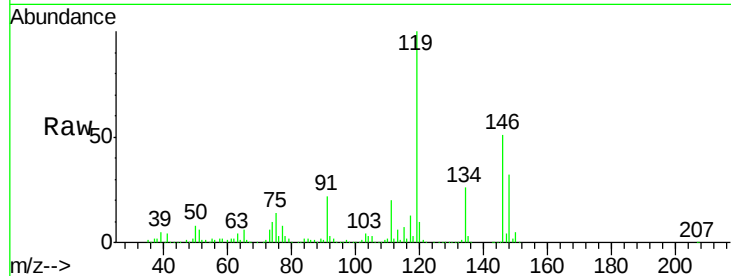
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	205181
Ion Ratio	Lower	Upper	
146	100		
111	39.9	20.3	60.8
148	63.2	32.1	96.3

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#88

1,4-Dichlorobenzene

Concen: 52.929 ug/l

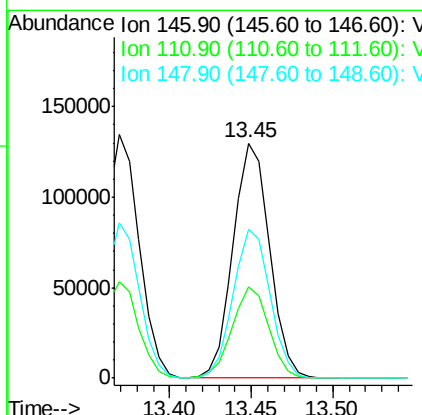
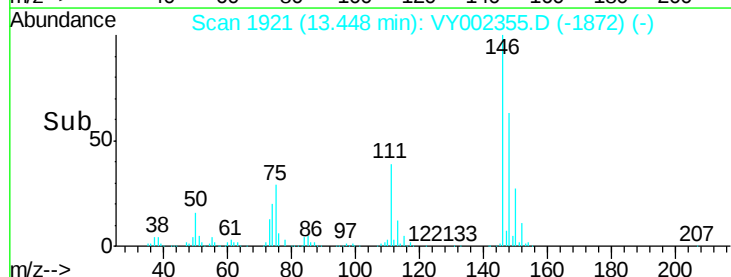
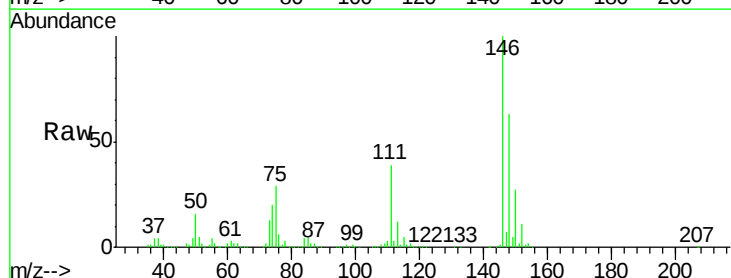
RT: 13.45 min Scan# 1921

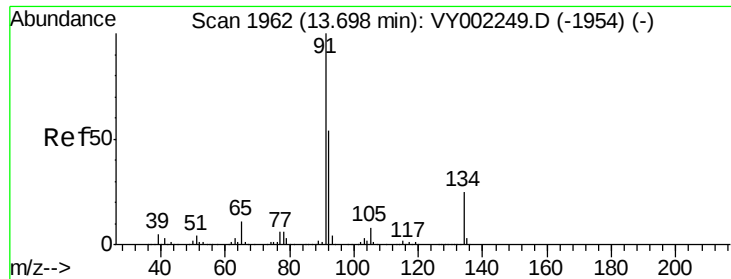
Delta R.T. -0.00 min

Lab File: VY002355.D

Acq: 16 Apr 2020 10:24

Tgt Ion:	146	Resp:	202490
Ion Ratio	Lower	Upper	
146	100		
111	39.1	19.6	58.8
148	64.1	32.0	96.0





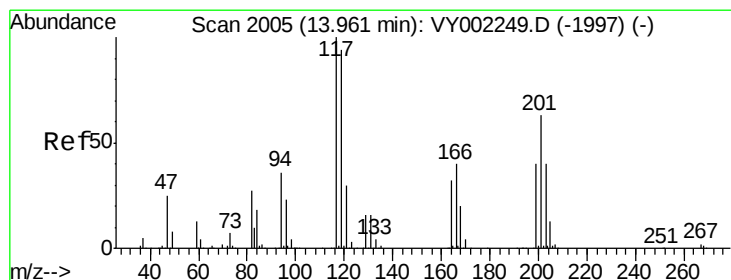
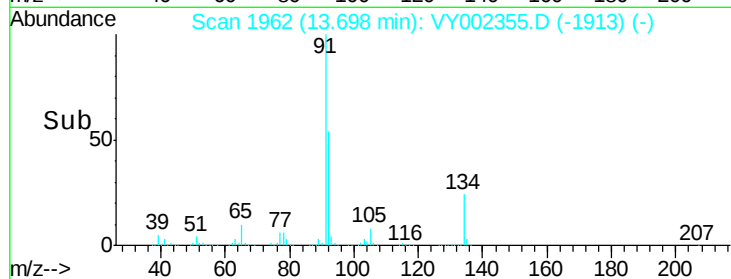
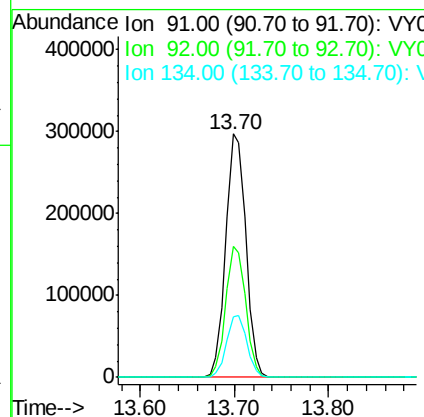
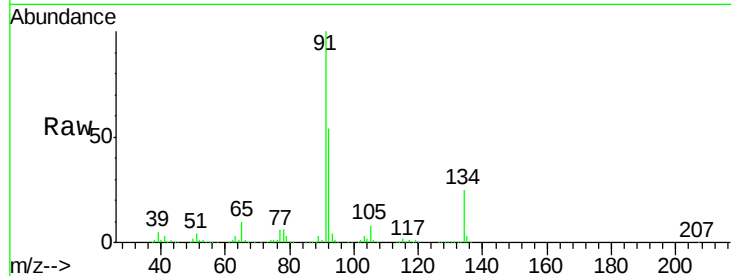
#89
n-Butylbenzene
Concen: 54.707 ug/l
RT: 13.70 min Scan# 1962
Delta R.T. -0.00 min
Lab File: VY002355.D
Acq: 16 Apr 2020 10:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.6	27.2	81.6
134	25.5	12.7	38.0

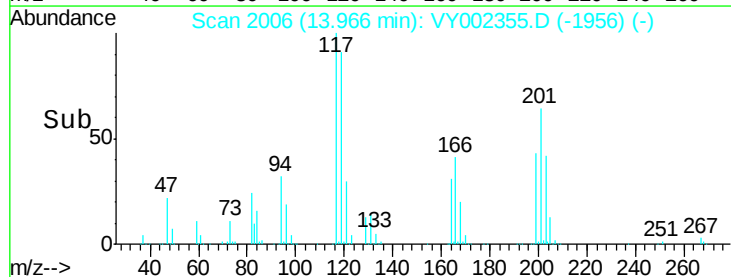
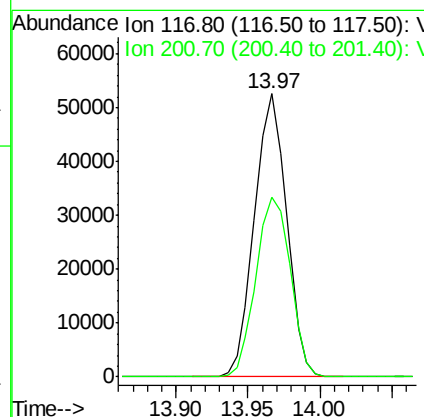
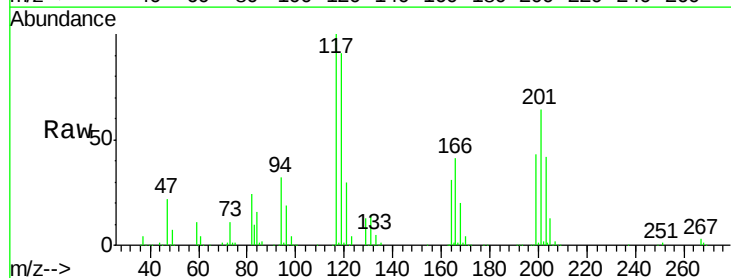
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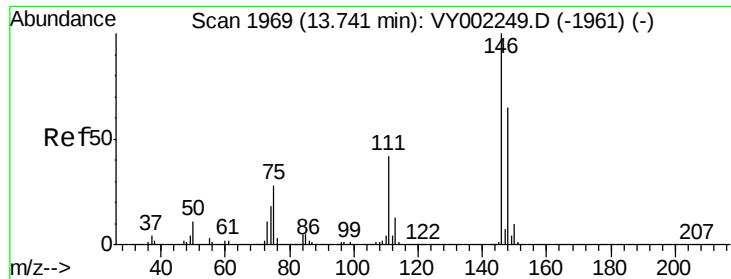
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#90
Hexachloroethane
Concen: 54.339 ug/l
RT: 13.97 min Scan# 2006
Delta R.T. 0.01 min
Lab File: VY002355.D
Acq: 16 Apr 2020 10:24

Tgt Ion	Ratio	Lower	Upper
117	100		
201	68.0	33.1	99.2





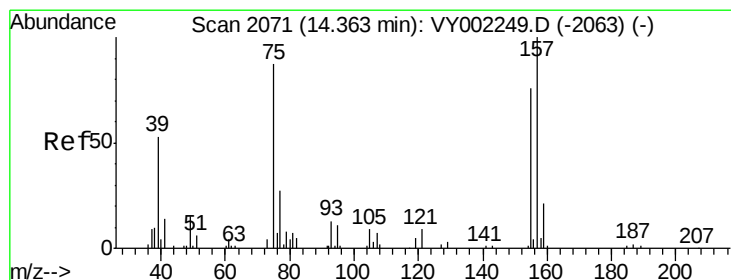
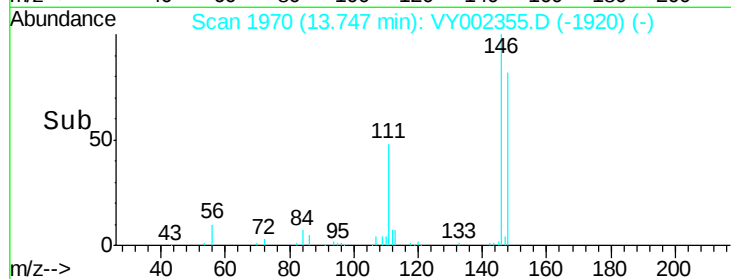
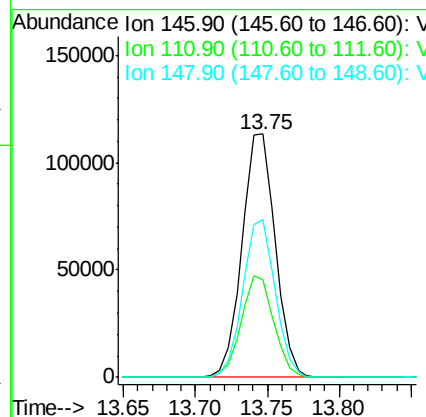
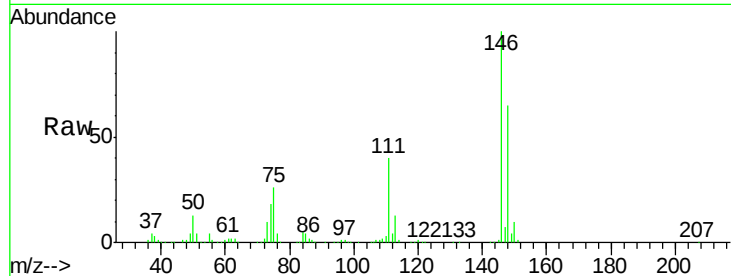
#91
 1,2-Dichlorobenzene
 Concen: 52.906 ug/l
 RT: 13.75 min Scan# 1970
 Delta R.T. 0.01 min
 Lab File: VY002355.D
 Acq: 16 Apr 2020 10:24

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	21.1	63.1
148	63.4	31.9	95.9

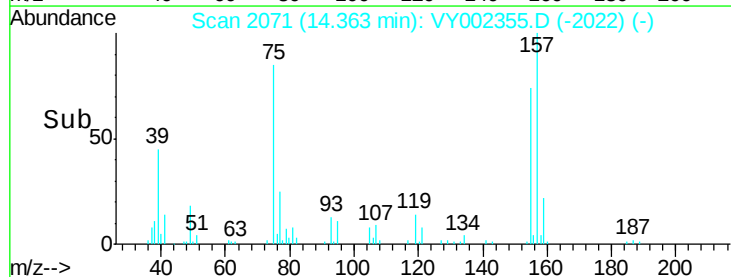
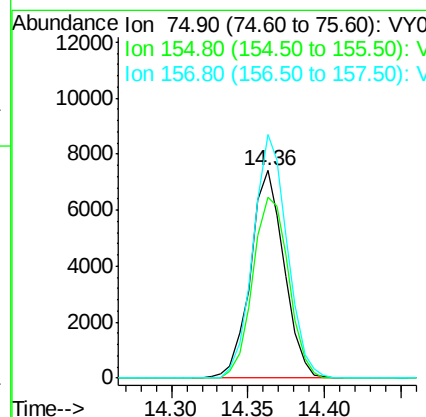
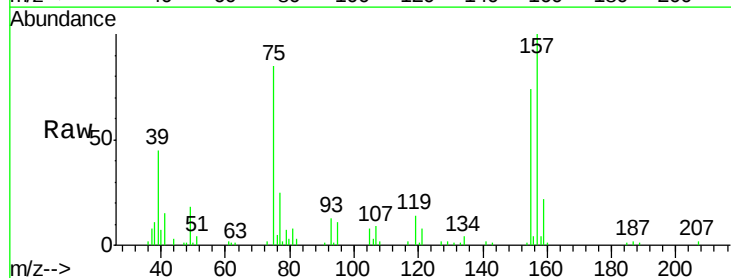
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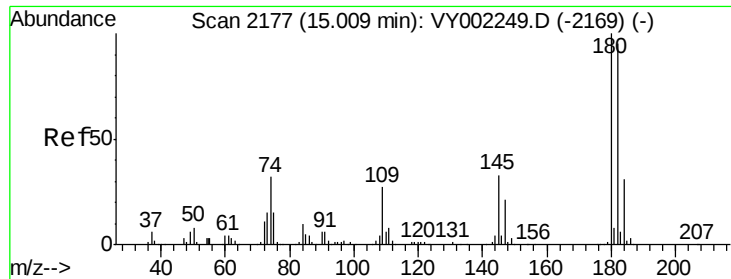
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 43.820 ug/l
 RT: 14.36 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VY002355.D
 Acq: 16 Apr 2020 10:24

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.8	43.6	130.8
157	118.5	56.0	168.2





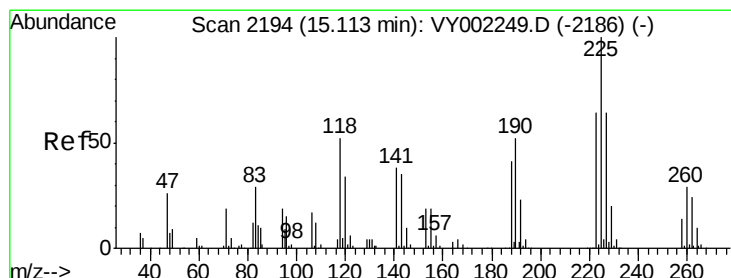
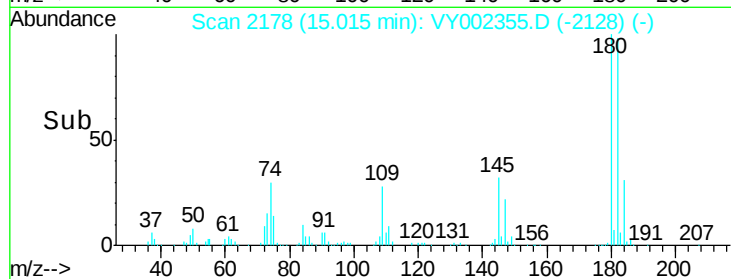
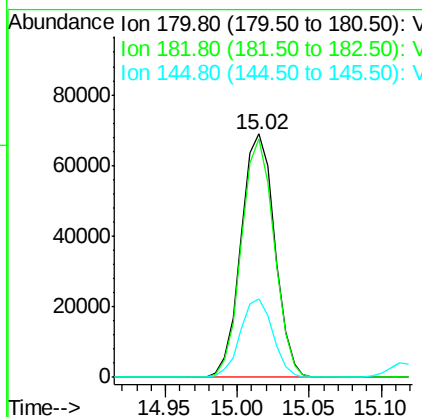
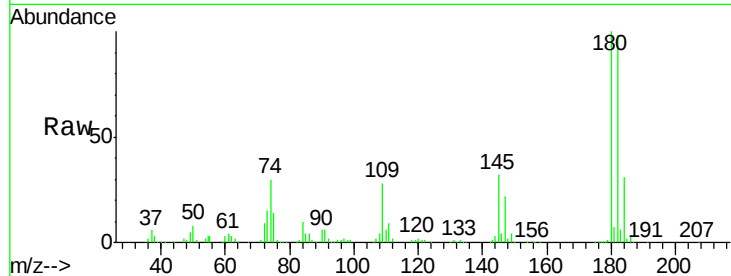
#93
 1,2,4-Trichlorobenzene
 Concen: 49.846 ug/l
 RT: 15.02 min Scan# 2178
 Delta R.T. 0.01 min
 Lab File: VY002355.D
 Acq: 16 Apr 2020 10:24

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	111579		
182	95.1	47.9	143.7	
145	31.2	16.0	48.0	

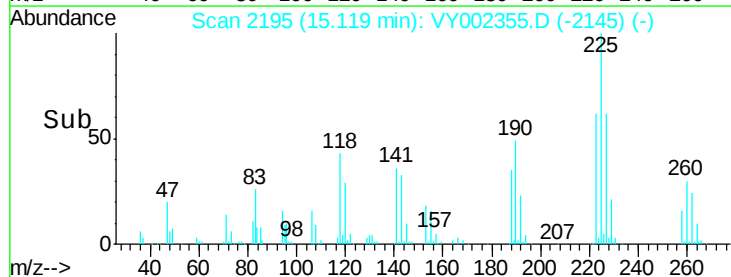
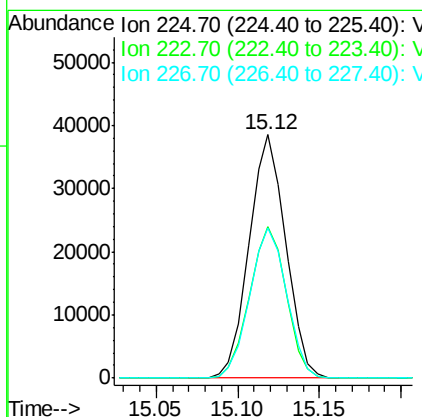
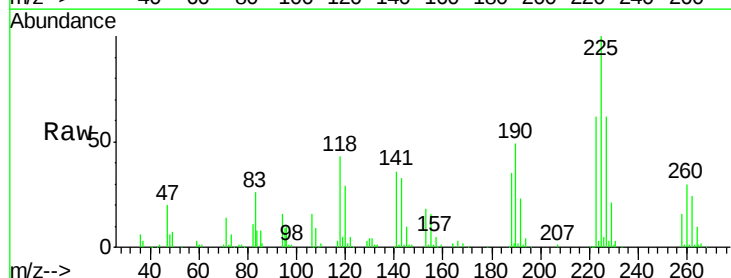
Manual Integrations
 APPROVED

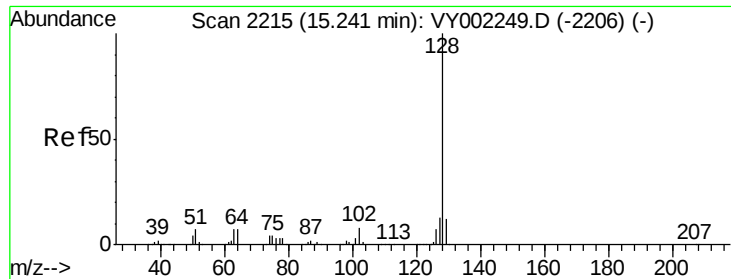
MMDadoda
 4/17/2020 11:51:53 AM



#94
 Hexachlorobutadiene
 Concen: 53.446 ug/l
 RT: 15.12 min Scan# 2195
 Delta R.T. 0.01 min
 Lab File: VY002355.D
 Acq: 16 Apr 2020 10:24

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	60257		
223	62.1	31.0	93.0	
227	62.2	31.3	93.9	





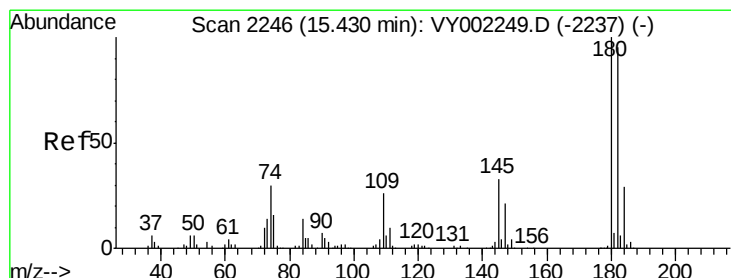
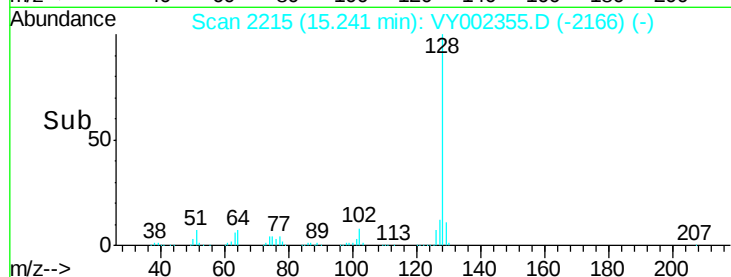
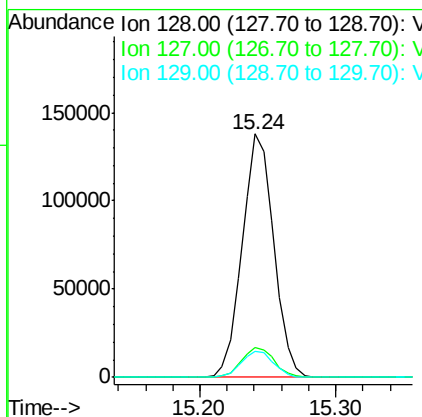
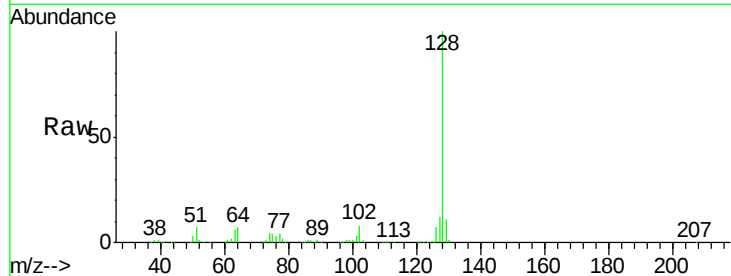
#95
Naphthalene
Concen: 45.664 ug/l
RT: 15.24 min Scan# 2215
Delta R.T. -0.00 min
Lab File: VY002355.D
Acq: 16 Apr 2020 10:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	223809		
127	12.6		10.1	15.1
129	10.8		8.7	13.1

Manual Integrations
APPROVED

MMDadoda
4/17/2020 11:51:53 AM



#96
1,2,3-Trichlorobenzene
Concen: 47.538 ug/l
RT: 15.43 min Scan# 2246
Delta R.T. -0.00 min
Lab File: VY002355.D
Acq: 16 Apr 2020 10:24

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	92400		
182	95.6		47.1	141.3
145	33.9		16.7	50.1

