

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY041720\
 Data File : VY002386.D
 Acq On : 17 Apr 2020 10:08
 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
 4/20/2020 11:41:31 AM

Quant Time: Apr 18 04:47:18 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	7.82	168	168932	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.71	114	296872	50.00	ug/l	0.01
63) Chlorobenzene-d5	11.51	117	265252	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	13.44	152	117323	50.00	ug/l	0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.17	65	80469	42.83	ug/l	0.01
Spiked Amount	50.000		Recovery	=	85.66%	
35) Dibromofluoromethane	7.74	113	89355	50.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.16%	
50) Toluene-d8	10.20	98	370493	50.11	ug/l	0.01
Spiked Amount	50.000		Recovery	=	100.22%	
62) 4-Bromofluorobenzene	12.50	95	121093	49.64	ug/l	0.01
Spiked Amount	50.000		Recovery	=	99.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	90572	53.049	ug/l	97
3) Chloromethane	2.13	50	109571	50.992	ug/l	99
4) Vinyl Chloride	2.27	62	120285	52.592	ug/l	98
5) Bromomethane	2.66	94	71368	50.531	ug/l	93
6) Chloroethane	2.81	64	68321	51.797	ug/l	98
7) Trichlorofluoromethane	3.15	101	153808	52.074	ug/l	96
8) Diethyl Ether	3.55	74	68650	54.672	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	3.93	101	109836	54.744	ug/l	98
10) Methyl Iodide	4.12	142	134133	57.514	ug/l	96
11) Tert butyl alcohol	4.99	59	53423	269.571	ug/l	98
12) 1,1-Dichloroethene	3.90	96	114252	56.011	ug/l	88
13) Acrolein	3.75	56	52926	218.497	ug/l	100
14) Allyl chloride	4.51	41	146024	44.331	ug/l #	93
15) Acrylonitrile	5.20	53	163425	254.507	ug/l	98
16) Acetone	3.97	43	150832	304.833	ug/l #	88
17) Carbon Disulfide	4.22	76	357250	52.735	ug/l	97
18) Methyl Acetate	4.51	43	70704	46.068	ug/l	93
19) Methyl tert-butyl Ether	5.25	73	275306	51.338	ug/l	98
20) Methylene Chloride	4.75	84	125788	51.722	ug/l	91
21) trans-1,2-Dichloroethene	5.25	96	124108	54.206	ug/l	94
22) Diisopropyl ether	6.15	45	300558	45.341	ug/l	96
23) Vinyl Acetate	6.09	43	960756	227.434	ug/l #	93
24) 1,1-Dichloroethane	6.05	63	189524	50.265	ug/l	99
25) 2-Butanone	7.02	43	199032	254.176	ug/l	94
26) 2,2-Dichloropropane	7.02	77	155766	49.387	ug/l	96
27) cis-1,2-Dichloroethene	7.02	96	133904	53.651	ug/l	91
28) Bromochloromethane	7.36	49	70103	43.071	ug/l #	82
29) Tetrahydrofuran	7.37	42	116693	225.444	ug/l	89
30) Chloroform	7.53	83	183768	51.704	ug/l	99
31) Cyclohexane	7.81	56	182405	46.088	ug/l	88
32) 1,1,1-Trichloroethane	7.73	97	154473	52.217	ug/l	97
36) 1,1-Dichloropropene	7.94	75	153148	52.374	ug/l	98
37) Ethyl Acetate	7.10	43	77865	46.612	ug/l	95
38) Carbon Tetrachloride	7.92	117	134627	53.824	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	211479	53.166	ug/l	93
40) Benzene	8.19	78	479310	54.026	ug/l	99
41) Methacrylonitrile	7.35	41	42591m	43.220	ug/l	
42) 1,2-Dichloroethane	8.26	62	105174	47.857	ug/l	96
43) Isopropyl Acetate	8.29	43	139714	45.858	ug/l #	92
44) Trichloroethene	8.96	130	142243	54.533	ug/l	92
45) 1,2-Dichloropropane	9.24	63	112481	51.098	ug/l	98
46) Dibromomethane	9.33	93	61611	53.531	ug/l	96
47) Bromodichloromethane	9.52	83	139542	52.839	ug/l	99
48) Methyl methacrylate	9.31	41	62992	46.111	ug/l	88
49) 1,4-Dioxane	9.32	88	18330	1125.865	ug/l	91
51) 4-Methyl-2-Pentanone	10.09	43	371565	234.050	ug/l	94
52) Toluene	10.26	92	292312	54.672	ug/l	99
53) t-1,3-Dichloropropene	10.49	75	152553	53.018	ug/l	99
54) cis-1,3-Dichloropropene	9.95	75	184289	53.274	ug/l	93
55) 1,1,2-Trichloroethane	10.66	97	93656	55.581	ug/l	95
56) Ethyl methacrylate	10.53	69	129120	53.689	ug/l	88
57) 1,3-Dichloropropane	10.81	76	157548	53.194	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.80	63	314026	252.147	ug/l	96
59) 2-Hexanone	10.85	43	274445	249.088	ug/l	91
60) Dibromochloromethane	11.00	129	101210	56.329	ug/l	99
61) 1,2-Dibromoethane	11.11	107	88738	55.317	ug/l	100
64) Tetrachloroethene	10.74	164	148875	55.514	ug/l	98
65) Chlorobenzene	11.53	112	304902	55.298	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.61	131	101575	55.797	ug/l	98
67) Ethyl Benzene	11.61	91	548430	54.332	ug/l	100
68) m/p-Xylenes	11.72	106	418173	110.608	ug/l	95
69) o-Xylene	12.05	106	195821	55.170	ug/l	95
70) Styrene	12.06	104	342787	55.665	ug/l	97
71) Bromoform	12.22	173	57693	58.277	ug/l #	99
73) Isopropylbenzene	12.34	105	517586	56.155	ug/l	98
74) N-amyl acetate	12.16	43	127294	48.653	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.60	83	70038	62.806	ug/l	99
76) 1,2,3-Trichloropropane	12.65	75	65075m	47.766	ug/l	
77) Bromobenzene	12.63	156	116042	57.225	ug/l	94
78) n-propylbenzene	12.69	91	628460	54.824	ug/l	98
79) 2-Chlorotoluene	12.77	91	338782	54.382	ug/l	97
80) 1,3,5-Trimethylbenzene	12.83	105	422872	55.475	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	39446	56.315	ug/l	94
82) 4-Chlorotoluene	12.87	91	345092	52.852	ug/l	96
83) tert-Butylbenzene	13.09	119	358171	56.096	ug/l	98
84) 1,2,4-Trimethylbenzene	13.14	105	418068	54.923	ug/l	98
85) sec-Butylbenzene	13.27	105	525733	55.273	ug/l	99
86) p-Isopropyltoluene	13.39	119	454893	55.567	ug/l	98
87) 1,3-Dichlorobenzene	13.38	146	218853	55.688	ug/l	99
88) 1,4-Dichlorobenzene	13.46	146	219478	55.017	ug/l	99
89) n-Butylbenzene	13.71	91	451551	53.813	ug/l	99
90) Hexachloroethane	13.98	117	87151	55.867	ug/l	97
91) 1,2-Dichlorobenzene	13.75	146	199432	55.847	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.37	75	13833	51.290	ug/l	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	126363	54.137	ug/l	99
94) Hexachlorobutadiene	15.13	225	62494	53.158	ug/l	97
95) Naphthalene	15.25	128	285803	55.923	ug/l	99
96) 1,2,3-Trichlorobenzene	15.44	180	108489	53.528	ug/l	99

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

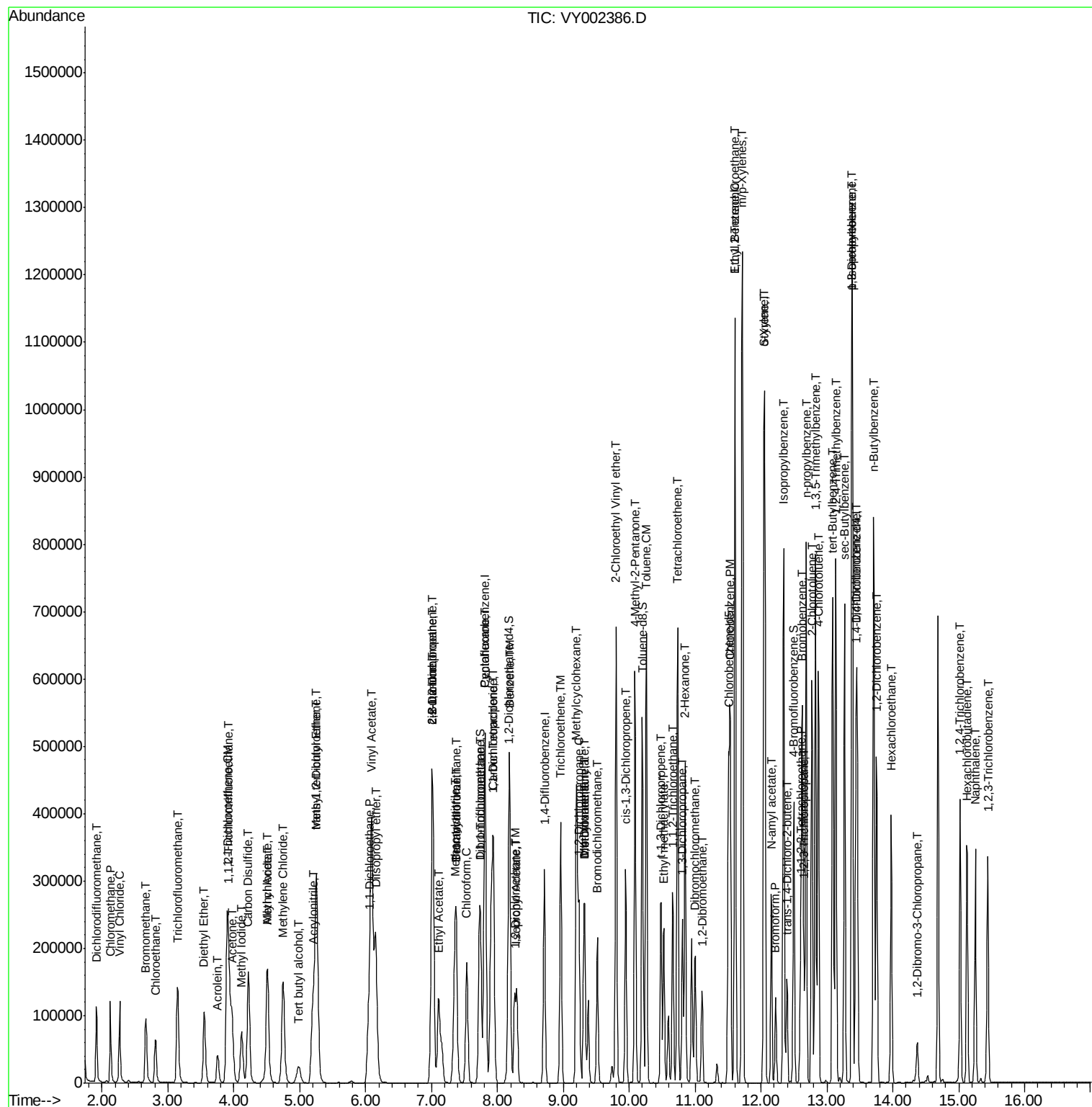
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY041720\
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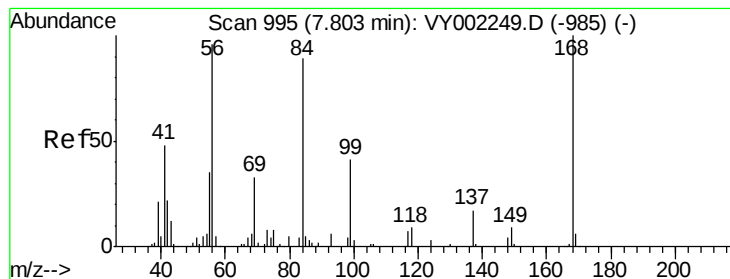
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.01 min

Lab File: VY002386.D

Acq: 17 Apr 2020 10:08

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 168932

Ion Ratio Lower Upper

168 100

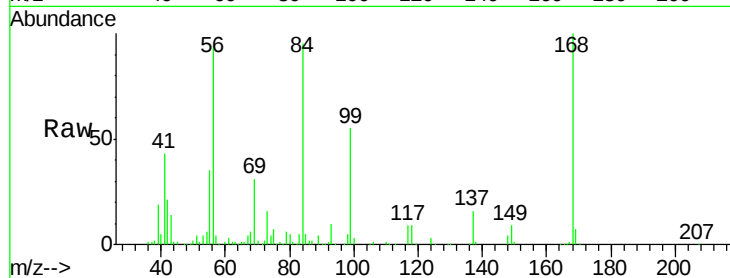
99 55.4 48.0 72.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VY002249.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY002249.D (-985) (-)

7.82

80000

60000

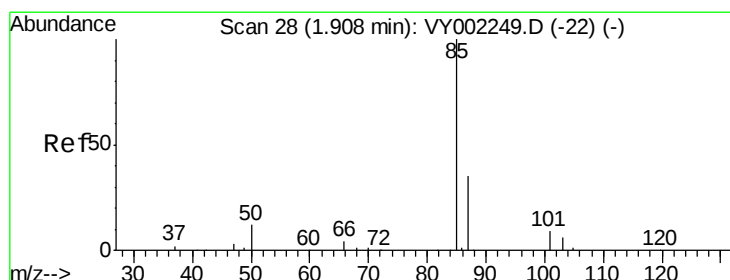
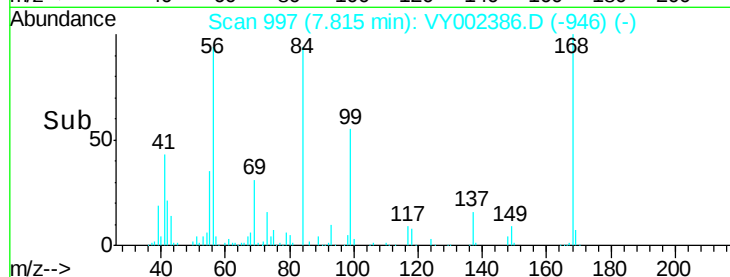
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 53.049 ug/l

RT: 1.91 min Scan# 29

Delta R.T. 0.01 min

Lab File: VY002386.D

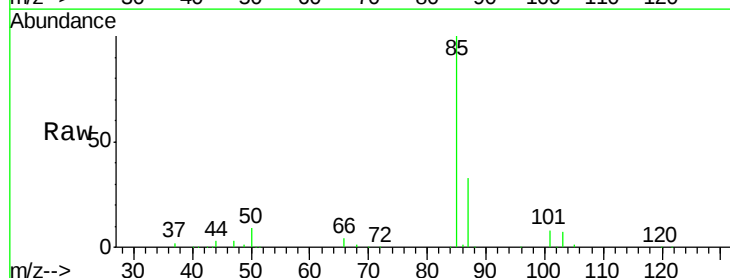
Acq: 17 Apr 2020 10:08

Tgt Ion: 85 Resp: 90572

Ion Ratio Lower Upper

85 100

87 32.8 17.3 51.9



Abundance Ion 84.90 (84.60 to 85.60): VY002249.D (-22) (-)

Ion 86.90 (86.60 to 87.60): VY002249.D (-22) (-)

1.91

60000

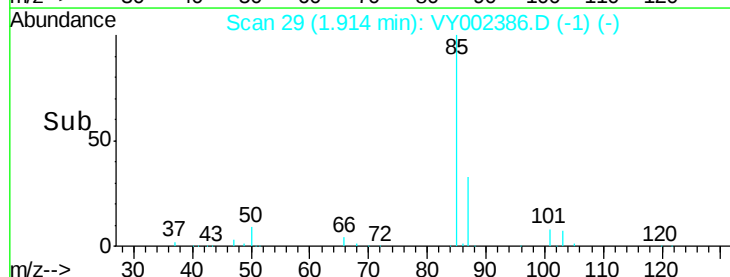
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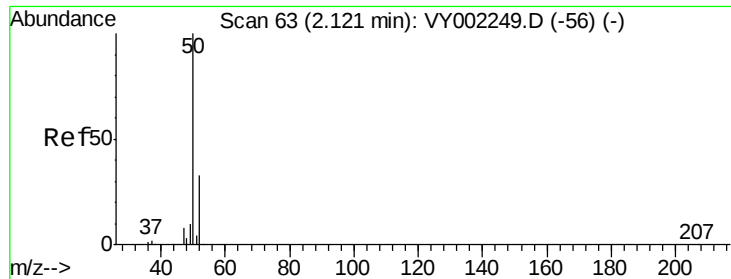
20000

0

1.90 2.00

Time-->





#3

Chloromethane

Concen: 50.992 ug/l

RT: 2.13 min Scan# 64

Delta R.T. 0.01 min

Lab File: VY002386.D

Acq: 17 Apr 2020 10:08

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 109571

Ion Ratio Lower Upper

50 100

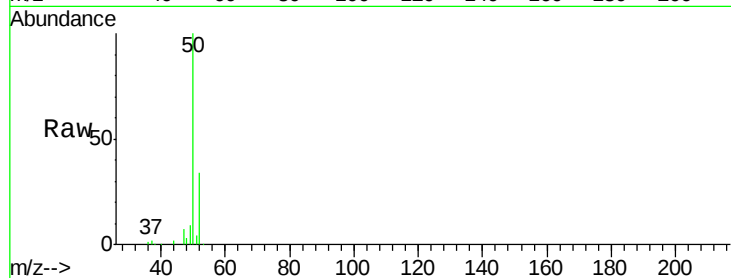
52 33.7 26.6 39.8

Manual Integrations

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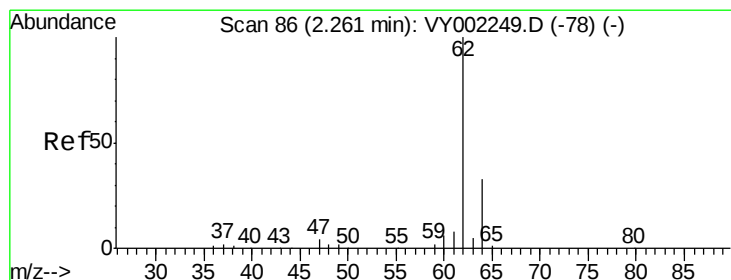
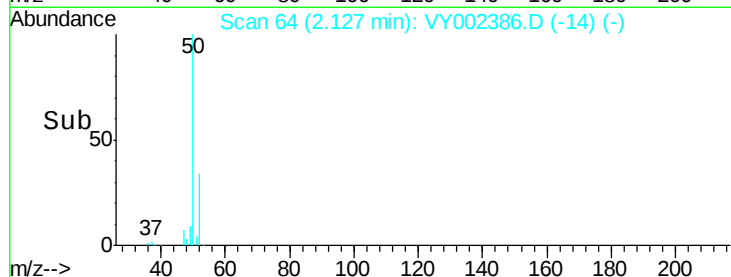
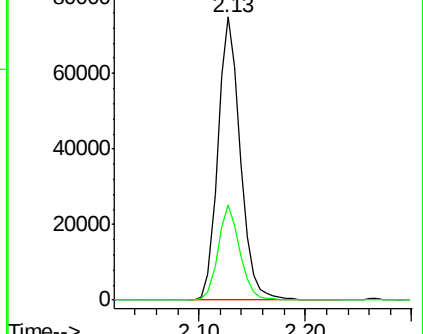
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Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 52.592 ug/l

RT: 2.27 min Scan# 87

Delta R.T. 0.01 min

Lab File: VY002386.D

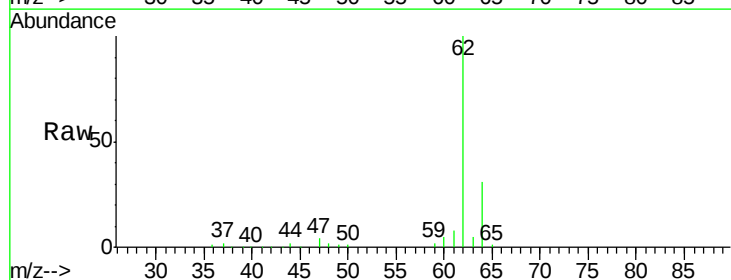
Acq: 17 Apr 2020 10:08

Tgt Ion: 62 Resp: 120285

Ion Ratio Lower Upper

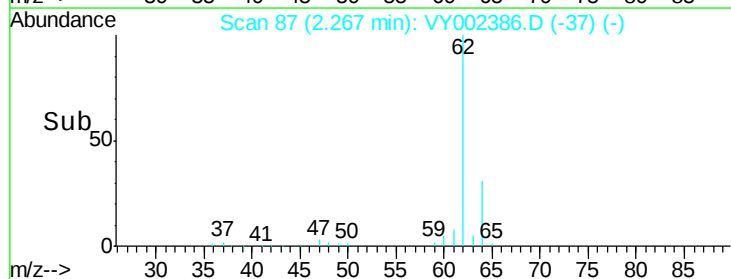
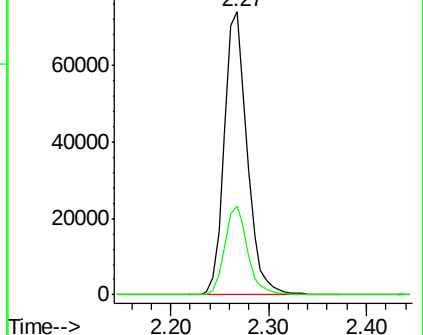
62 100

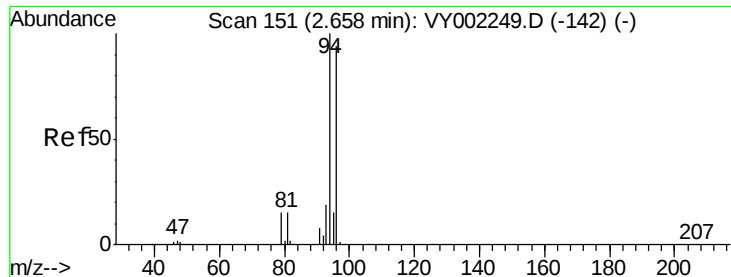
64 31.3 26.2 39.2



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 50.531 ug/l

RT: 2.66 min Scan# 152

Delta R.T. 0.01 min

Lab File: VY002386.D

Acq: 17 Apr 2020 10:08

Instrument :

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ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 71368

Ion Ratio Lower Upper

94 100

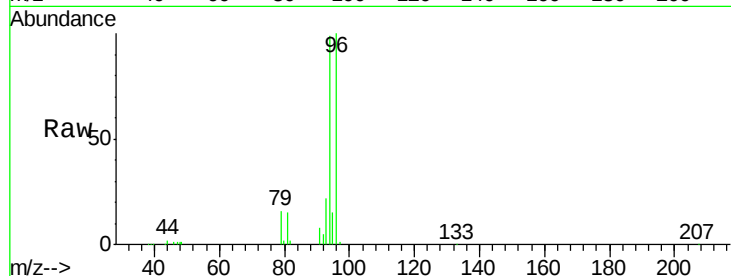
96 100.9 75.6 113.4

Manual Integrations

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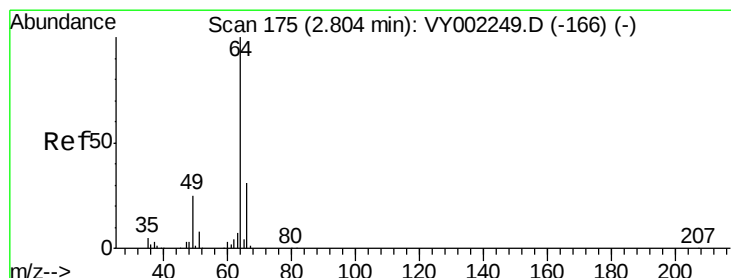
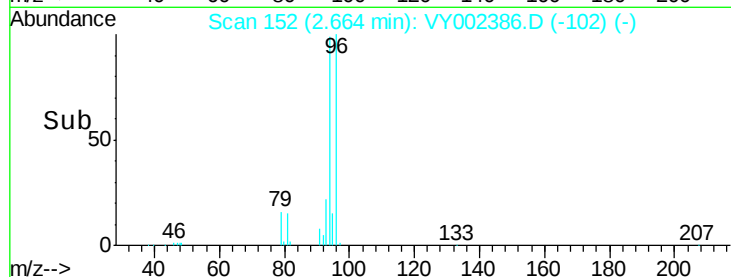
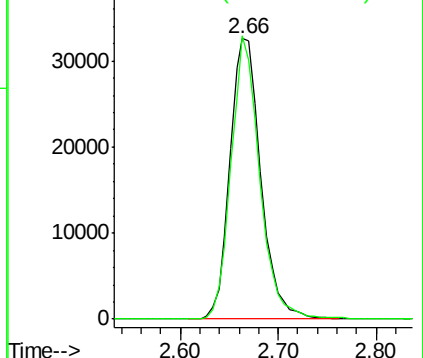
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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 51.797 ug/l

RT: 2.81 min Scan# 176

Delta R.T. 0.01 min

Lab File: VY002386.D

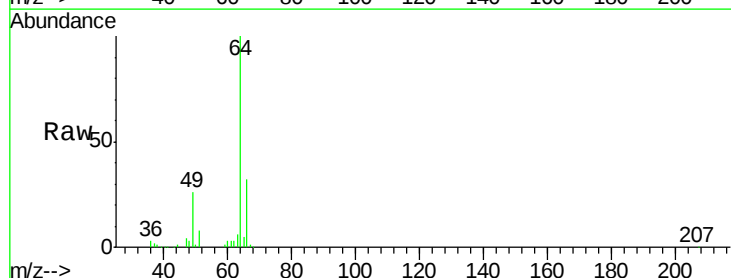
Acq: 17 Apr 2020 10:08

Tgt Ion: 64 Resp: 68321

Ion Ratio Lower Upper

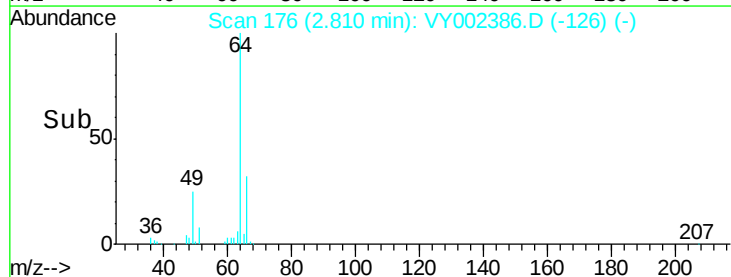
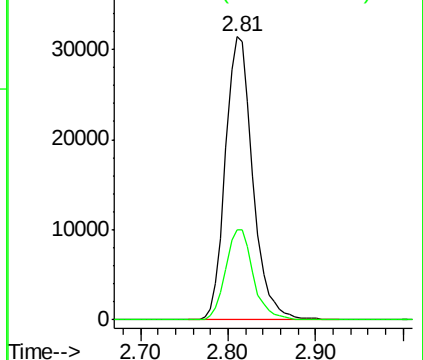
64 100

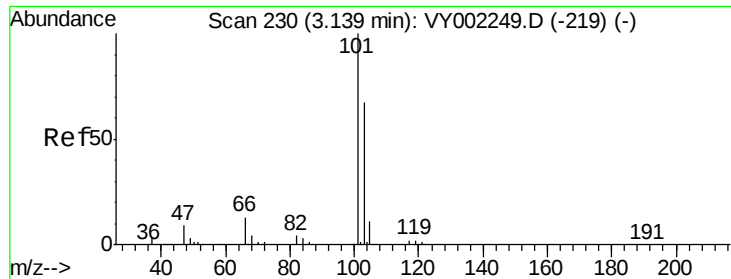
66 32.0 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

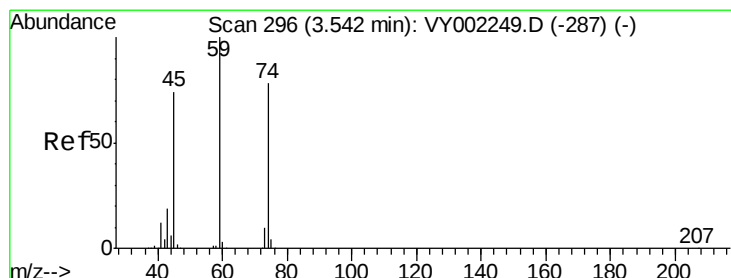
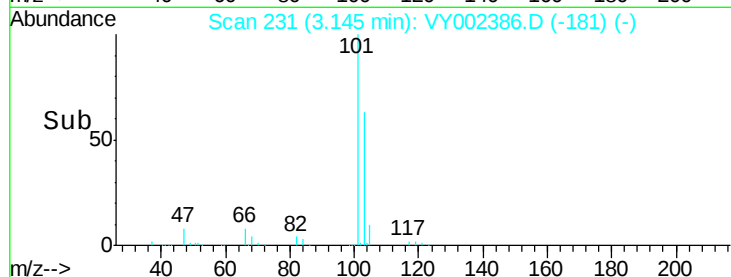
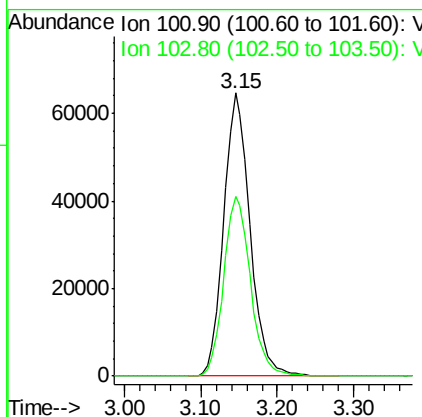
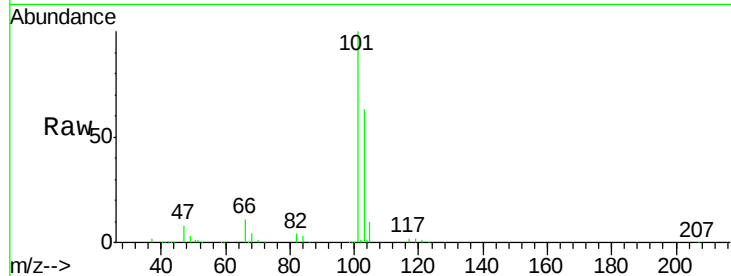
Trichlorofluoromethane
 Concen: 52.074 ug/l
 RT: 3.15 min Scan# 231
 Delta R.T. 0.01 min
 Lab File: VY002386.D
 Acq: 17 Apr 2020 10:08

Instrument :
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	153808		
103	63.4	53.3	79.9	

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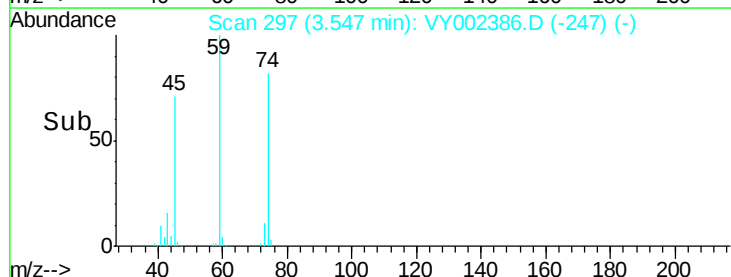
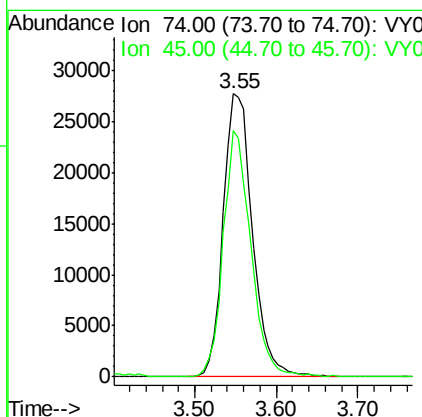
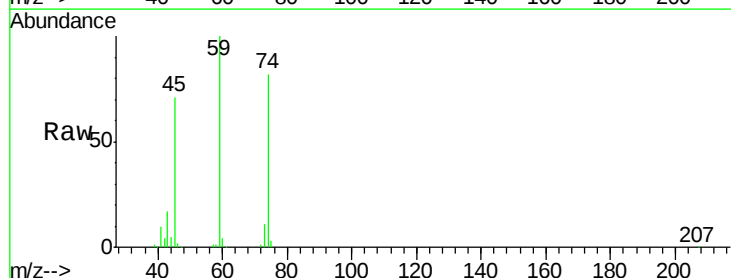
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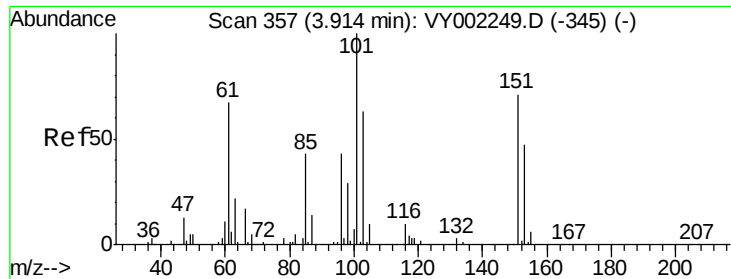


#8

Diethyl Ether
 Concen: 54.672 ug/l
 RT: 3.55 min Scan# 297
 Delta R.T. 0.01 min
 Lab File: VY002386.D
 Acq: 17 Apr 2020 10:08

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	68650		
45	82.6	48.0	144.2	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.744 ug/l

RT: 3.93 min Scan# 359

Delta R.T. 0.01 min

Lab File: VY002386.D

Acq: 17 Apr 2020 10:08

Instrument :

MSVOA_Y

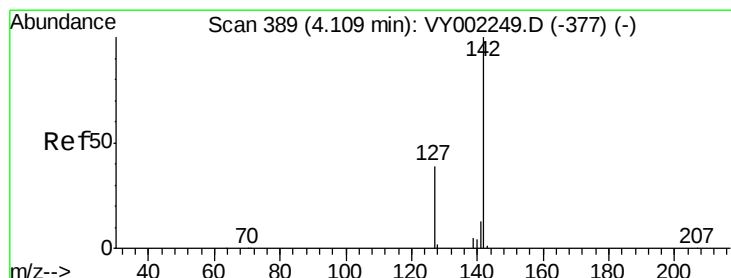
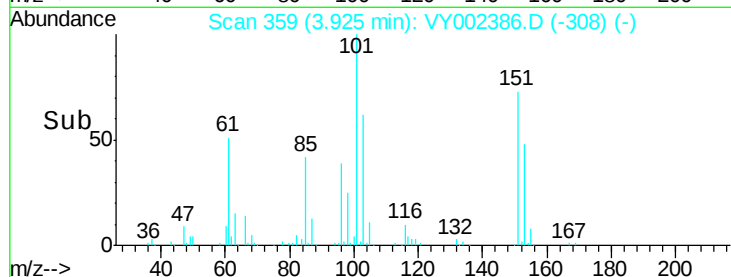
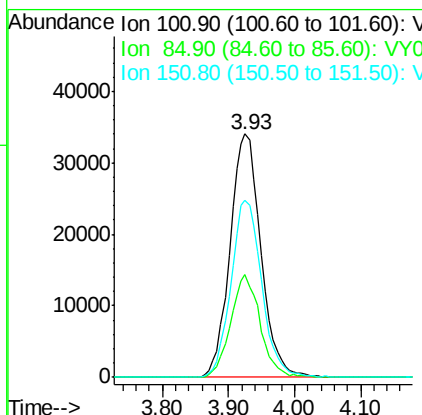
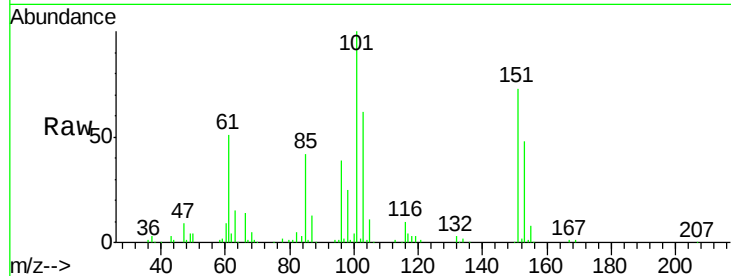
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	109836
Ion Ratio	Lower	Upper	
101	100		
85	40.4	34.6	52.0
151	72.8	57.6	86.4

Manual Integrations
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#10

Methyl Iodide

Concen: 57.514 ug/l

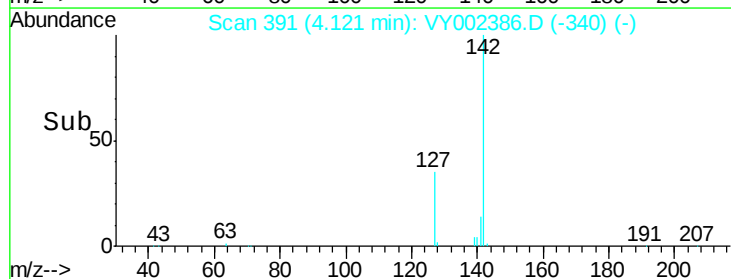
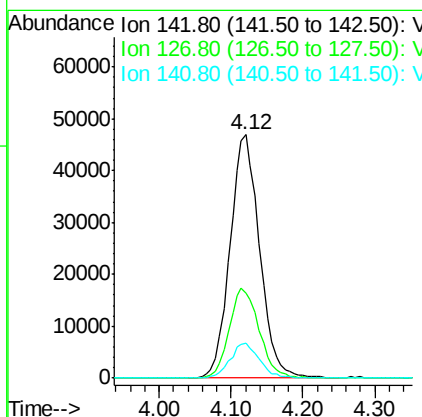
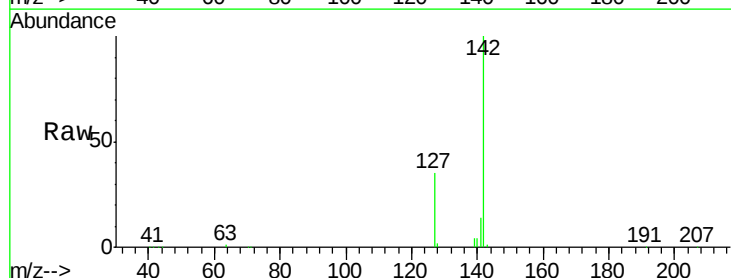
RT: 4.12 min Scan# 391

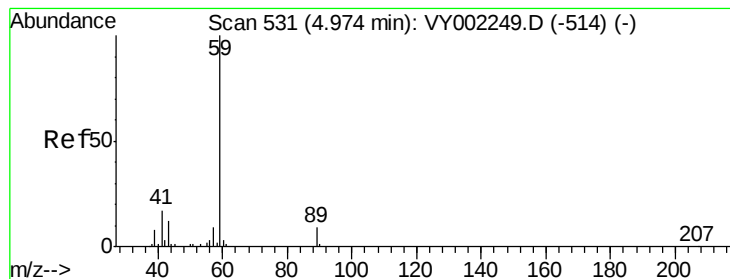
Delta R.T. 0.01 min

Lab File: VY002386.D

Acq: 17 Apr 2020 10:08

Tgt Ion:	142	Resp:	134133
Ion Ratio	Lower	Upper	
142	100		
127	37.4	32.4	48.6
141	14.0	11.2	16.8





#11

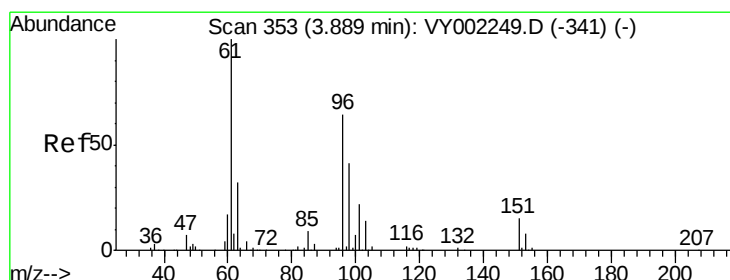
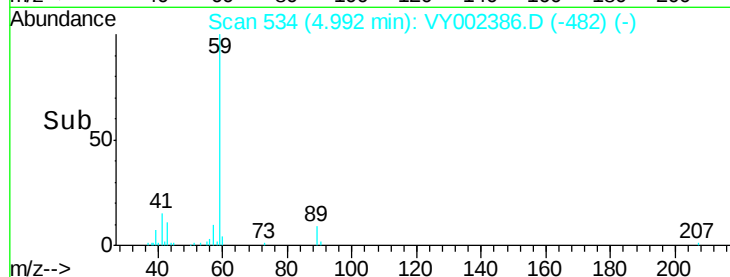
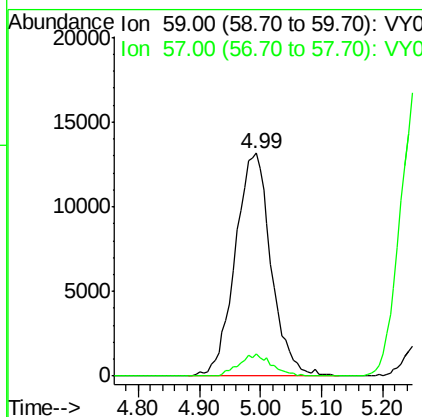
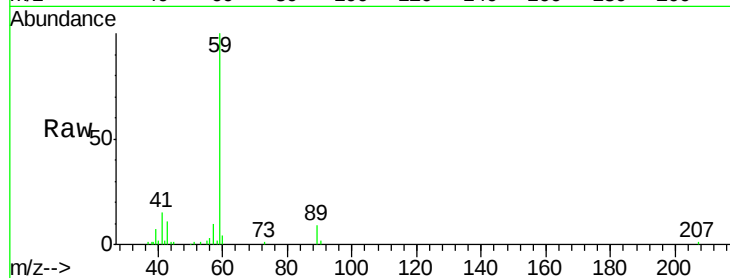
Tert butyl alcohol
 Concen: 269.571 ug/l
 RT: 4.99 min Scan# 534
 Delta R.T. 0.02 min
 Lab File: VY002386.D
 Acq: 17 Apr 2020 10:08

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	59	Resp	53423
Ion Ratio	100	Lower	Upper
57	8.8	6.6	9.8

Manual Integrations
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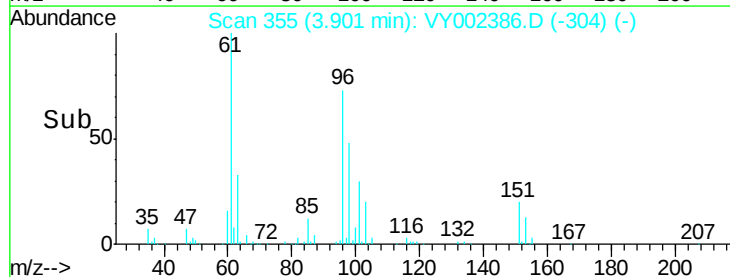
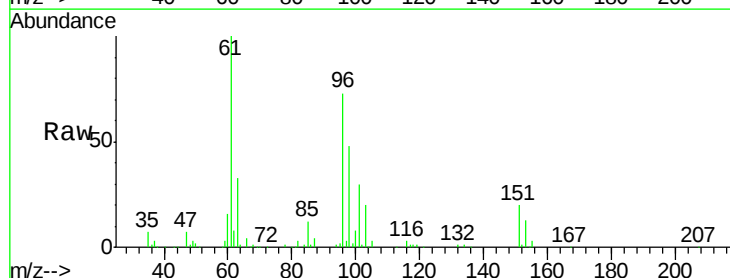
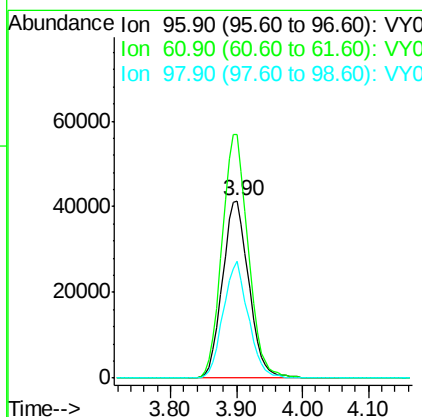
MMDadoda
 4/20/2020 11:41:31 AM

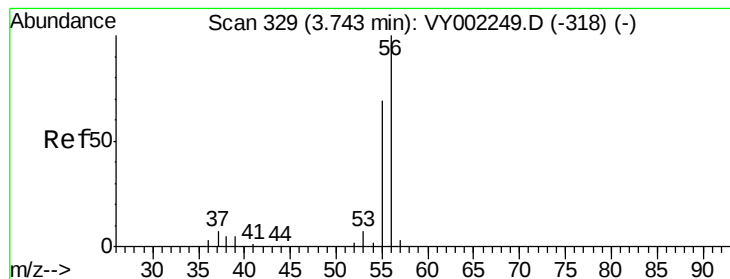


#12

1,1-Dichloroethene
 Concen: 56.011 ug/l
 RT: 3.90 min Scan# 355
 Delta R.T. 0.01 min
 Lab File: VY002386.D
 Acq: 17 Apr 2020 10:08

Tgt Ion	96	Resp	114252
Ion Ratio	100	Lower	Upper
61	137.3	125.9	188.9
98	65.8	51.1	76.7





#13

Acrolein

Concen: 218.497 ug/l

RT: 3.75 min Scan# 331

Delta R.T. 0.01 min

Lab File: VY002386.D

Acq: 17 Apr 2020 10:08

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 52926

Ion Ratio Lower Upper

56 100

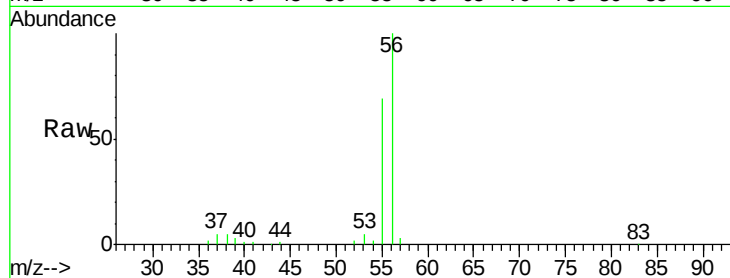
55 69.7 55.8 83.8

Manual Integrations

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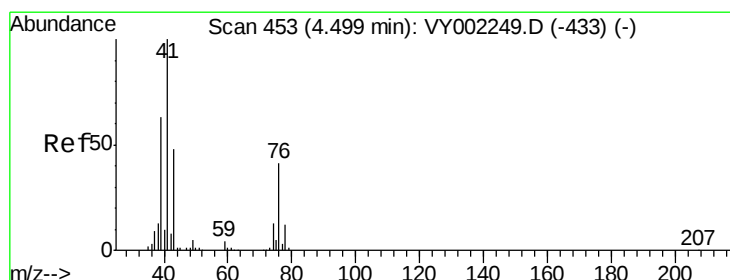
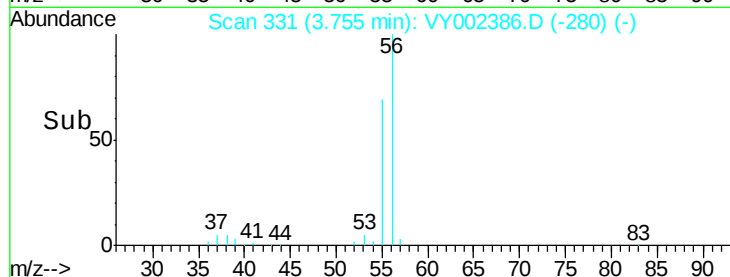
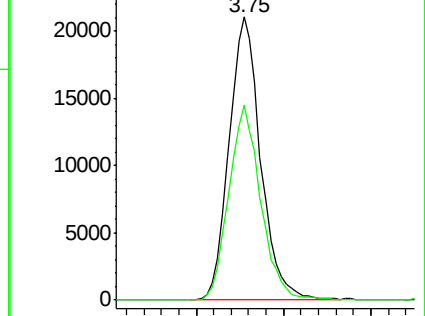
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0



#14

Allyl chloride

Concen: 44.331 ug/l

RT: 4.51 min Scan# 455

Delta R.T. 0.01 min

Lab File: VY002386.D

Acq: 17 Apr 2020 10:08

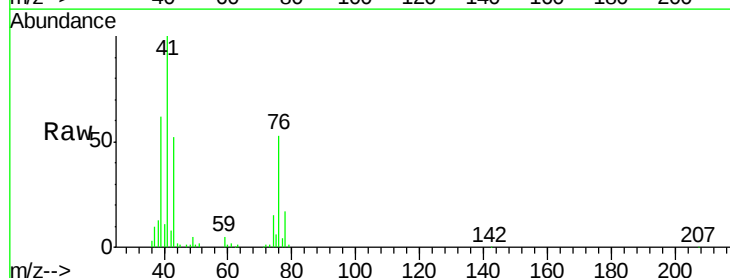
Tgt Ion: 41 Resp: 146024

Ion Ratio Lower Upper

41 100

39 58.9 48.0 72.0

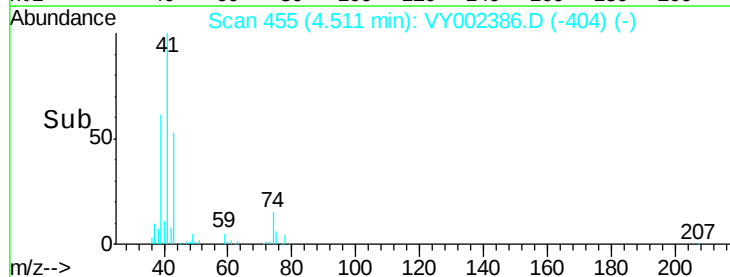
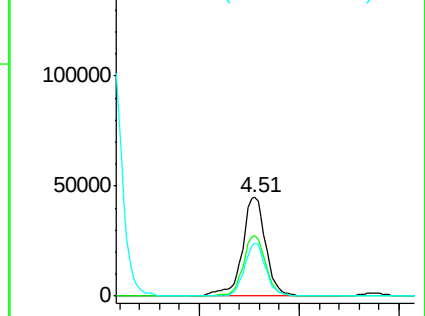
76 48.7 31.0 46.6#

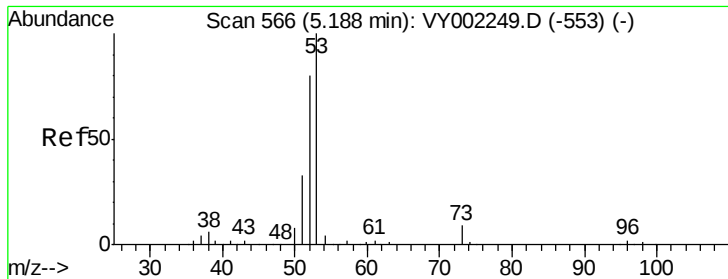


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 75.90 (75.60 to 76.60): VY0





#15

Acrylonitrile

Concen: 254.507 ug/l

RT: 5.20 min Scan# 568

Delta R.T. 0.01 min

Lab File: VY002386.D

Acq: 17 Apr 2020 10:08

Instrument :

MSVOA_Y

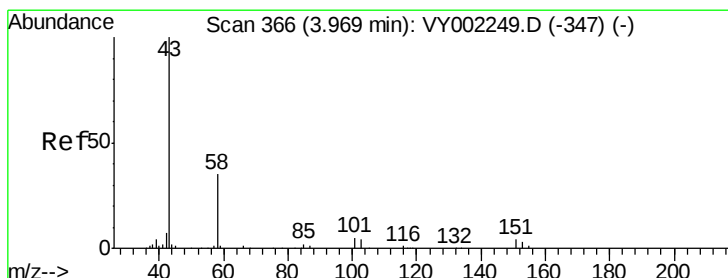
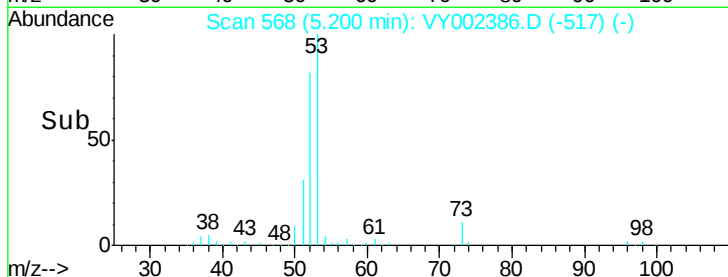
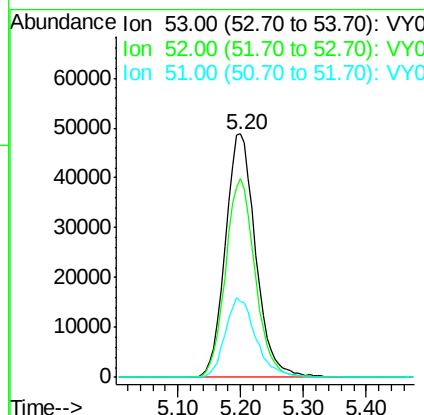
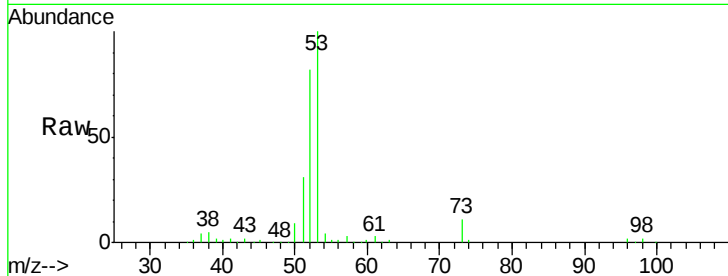
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	163425
Ion	Ratio	Lower	Upper
53	100		
52	79.4	65.1	97.7
51	33.1	27.1	40.7

Manual Integrations
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#16

Acetone

Concen: 304.833 ug/l

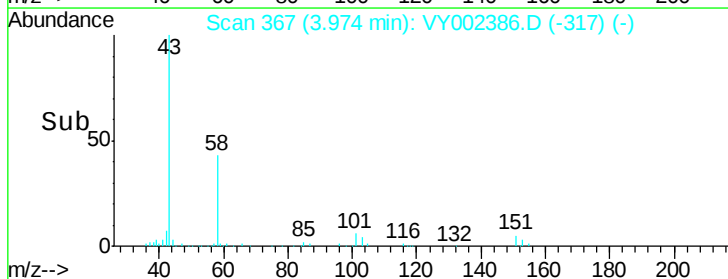
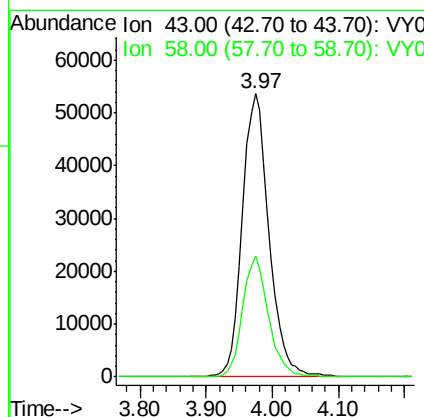
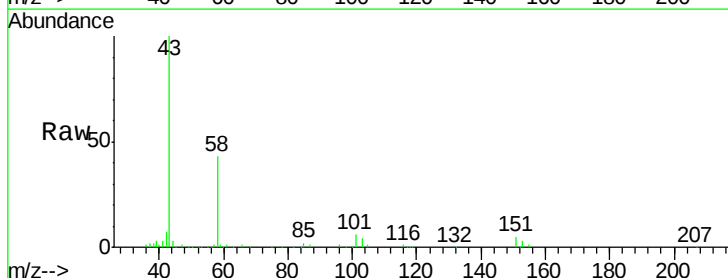
RT: 3.97 min Scan# 367

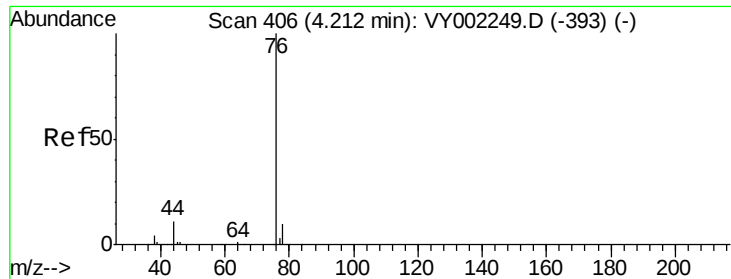
Delta R.T. 0.01 min

Lab File: VY002386.D

Acq: 17 Apr 2020 10:08

Tgt Ion:	43	Resp:	150832
Ion	Ratio	Lower	Upper
43	100		
58	42.9	28.5	42.7#





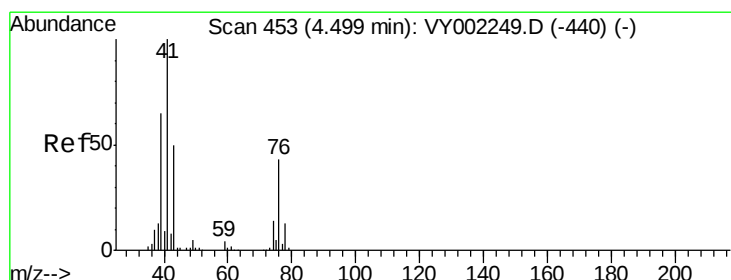
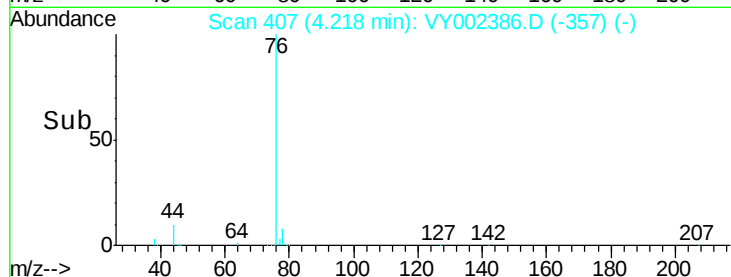
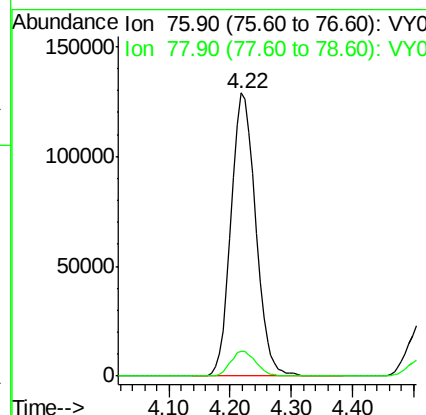
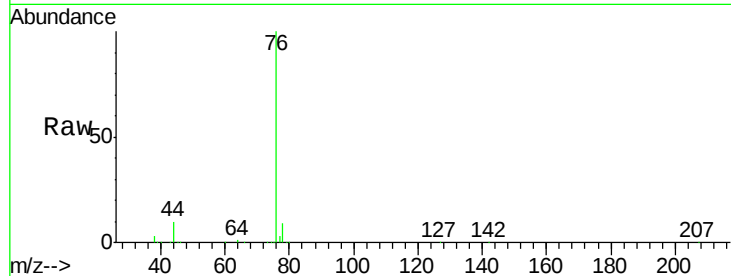
#17
Carbon Disulfide
Concen: 52.735 ug/l
RT: 4.22 min Scan# 407
Delta R.T. 0.01 min
Lab File: VY002386.D
Acq: 17 Apr 2020 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.7	11.5

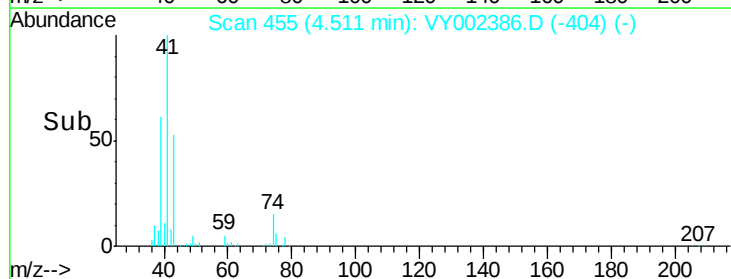
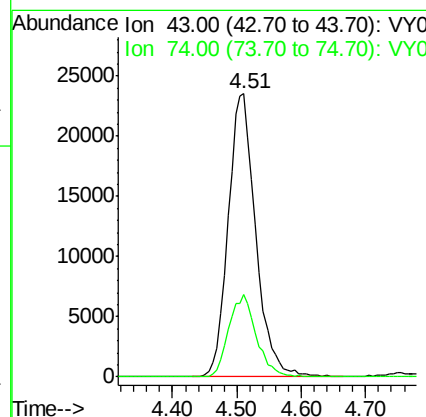
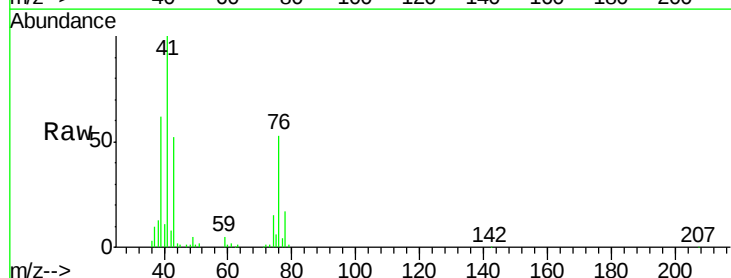
Manual Integrations
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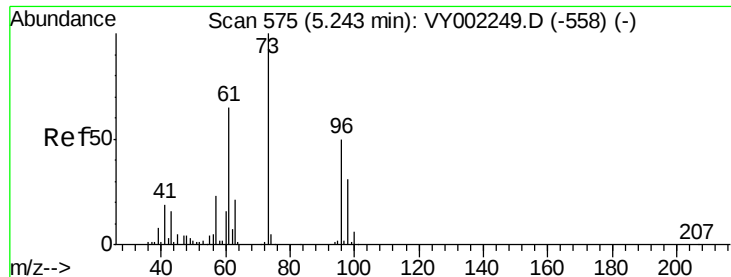
MMDadoda
4/20/2020 11:41:31 AM



#18
Methyl Acetate
Concen: 46.068 ug/l
RT: 4.51 min Scan# 455
Delta R.T. 0.01 min
Lab File: VY002386.D
Acq: 17 Apr 2020 10:08

Tgt Ion	Ratio	Lower	Upper
43	100		
74	28.9	20.3	30.5





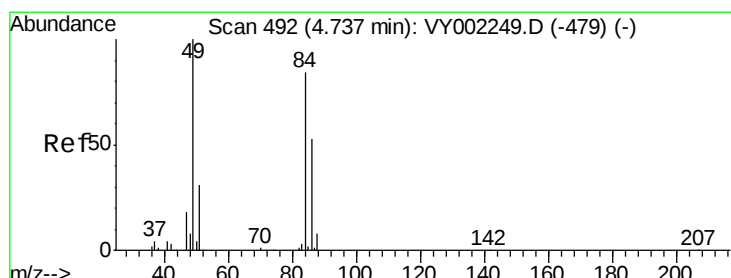
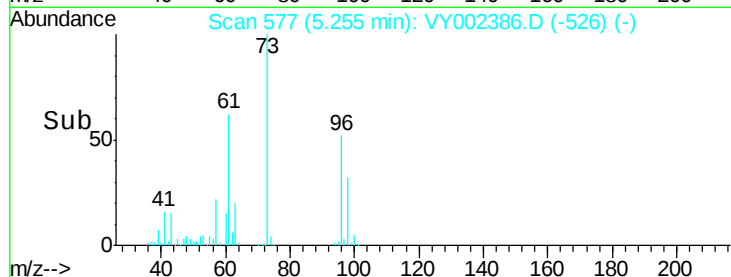
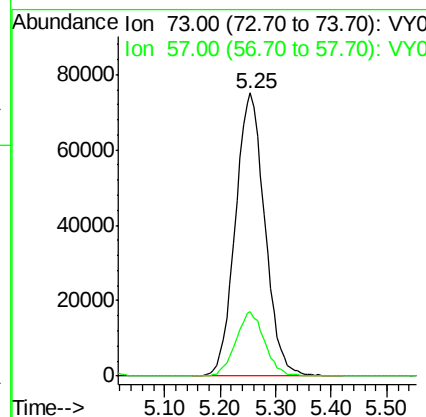
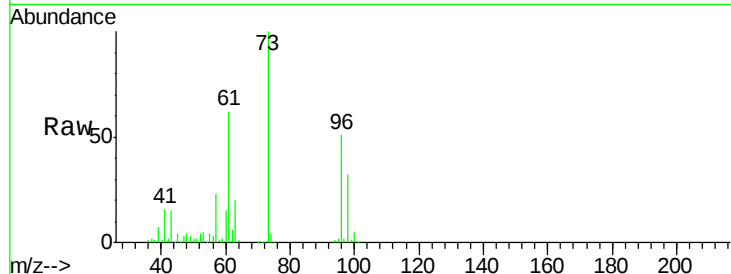
#19
Methvl tert-butvl Ether
Concen: 51.338 ug/l
RT: 5.25 min Scan# 577
Delta R.T. 0.01 min
Lab File: VY002386.D
Acq: 17 Apr 2020 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 275306
Ion Ratio Lower Upper
73 100
57 22.6 18.7 28.1

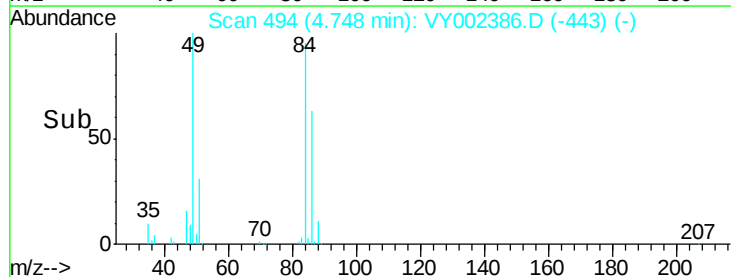
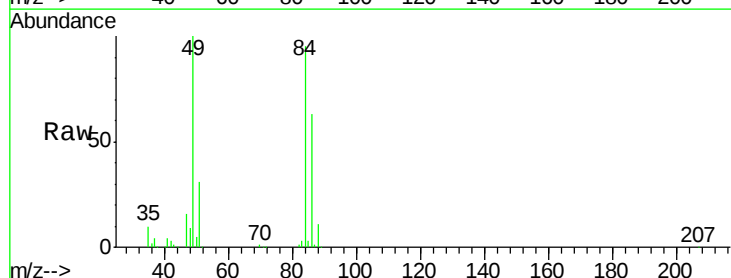
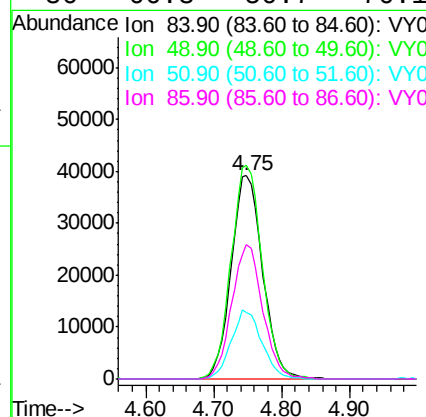
Manual Integrations
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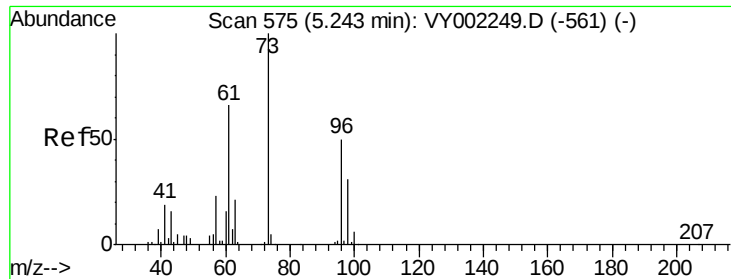
MMDadoda
4/20/2020 11:41:31 AM



#20
Methylene Chloride
Concen: 51.722 ug/l
RT: 4.75 min Scan# 494
Delta R.T. 0.01 min
Lab File: VY002386.D
Acq: 17 Apr 2020 10:08

Tgt Ion: 84 Resp: 125788
Ion Ratio Lower Upper
84 100
49 105.1 95.5 143.3
51 32.9 29.5 44.3
86 66.3 50.7 76.1





#21

trans-1,2-Dichloroethene

Concen: 54.206 ug/l

RT: 5.25 min Scan# 577

Delta R.T. 0.01 min

Lab File: VY002386.D

Acq: 17 Apr 2020 10:08

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 124108

Ion Ratio Lower Upper

96 100

61 120.9 104.6 157.0

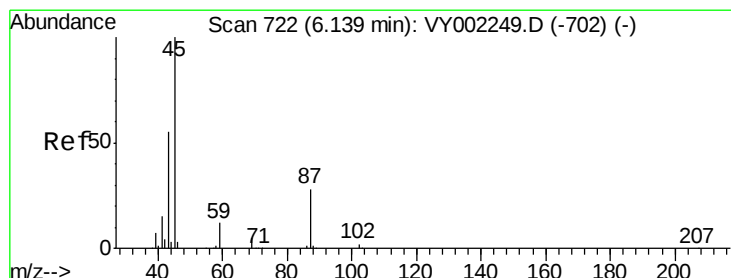
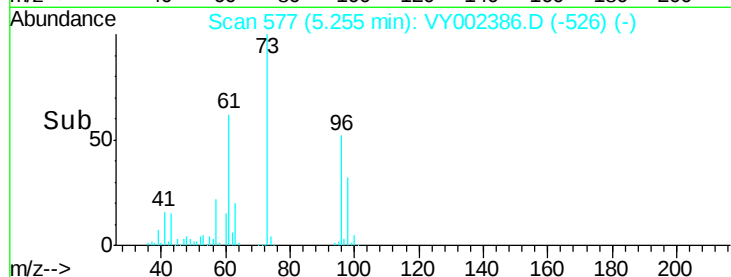
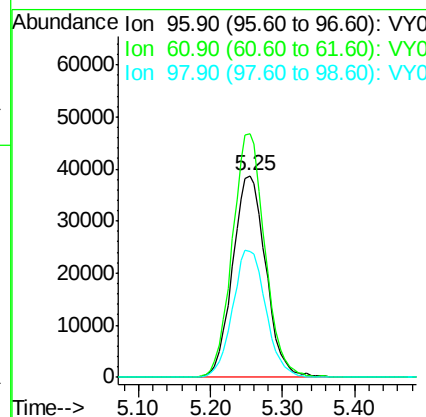
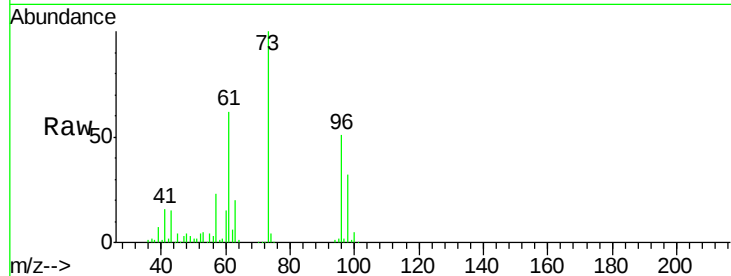
98 62.7 50.1 75.1

Manual Integrations

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#22

Diisopropyl ether

Concen: 45.341 ug/l

RT: 6.15 min Scan# 724

Delta R.T. 0.01 min

Lab File: VY002386.D

Acq: 17 Apr 2020 10:08

Tgt Ion: 45 Resp: 300558

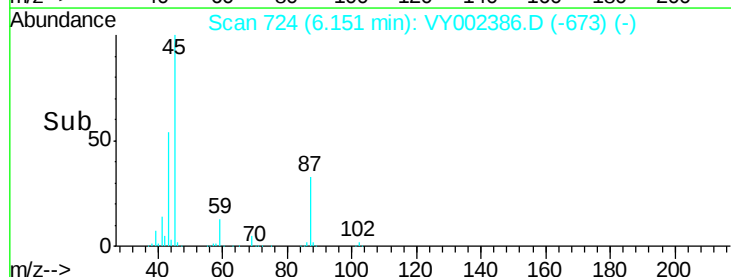
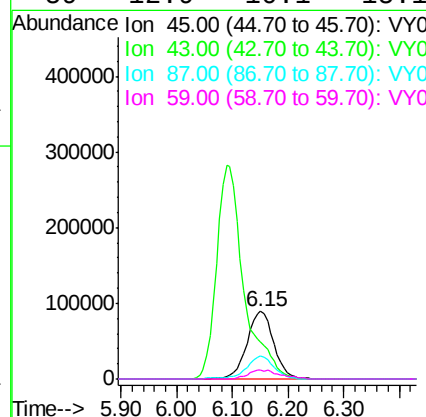
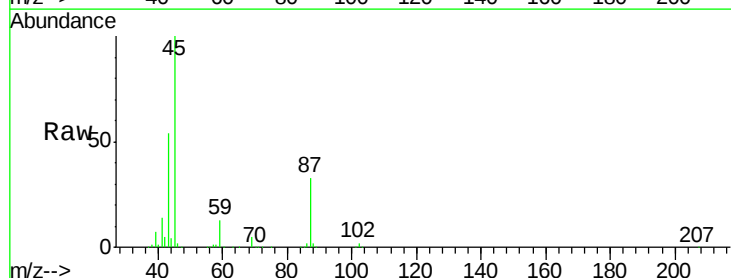
Ion Ratio Lower Upper

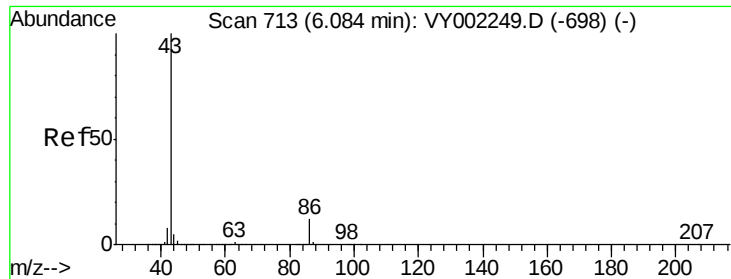
45 100

43 54.1 44.7 67.1

87 33.1 23.0 34.4

59 12.9 10.1 15.1





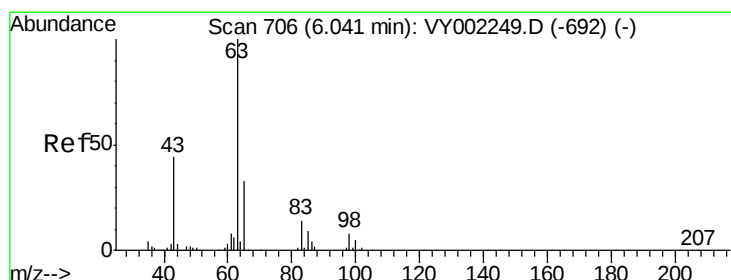
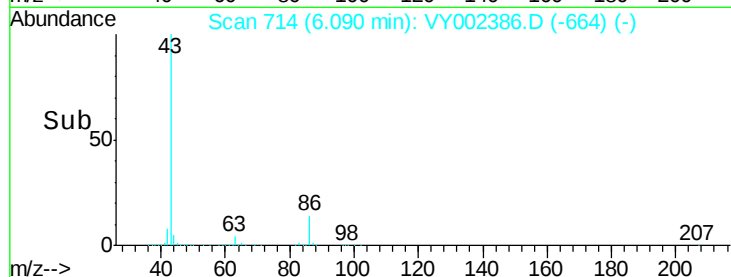
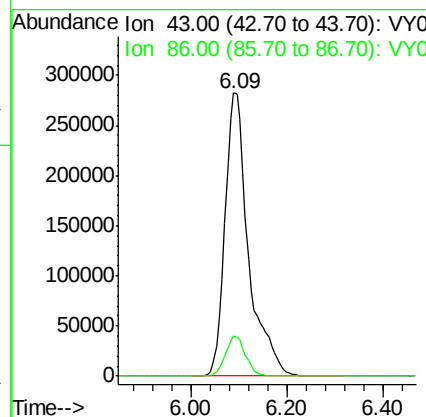
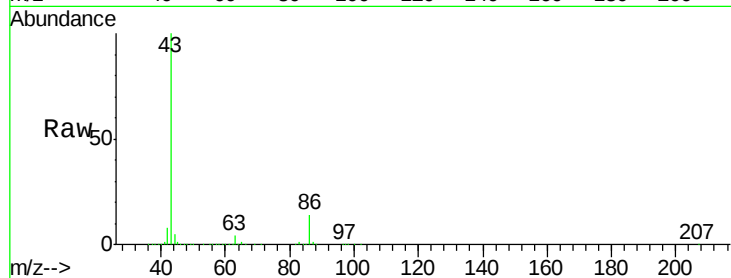
#23
 Vinyl Acetate
 Concen: 227.434 ug/l
 RT: 6.09 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VY002386.D
 Acq: 17 Apr 2020 10:08

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 960756
 Ion Ratio Lower Upper
 43 100
 86 14.0 9.2 13.8#

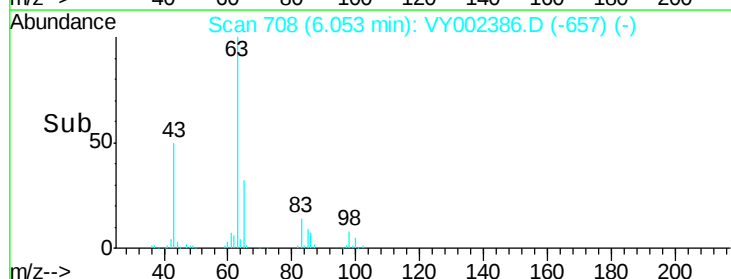
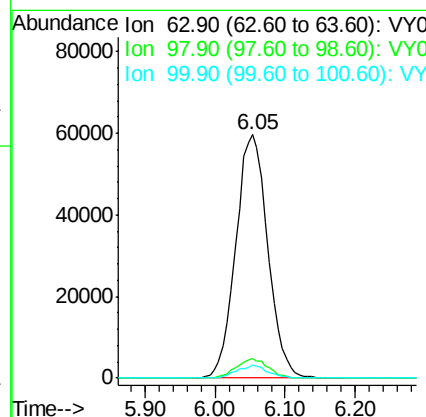
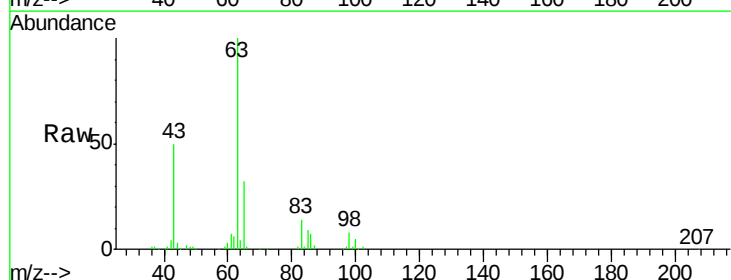
Manual Integrations
 APPROVED

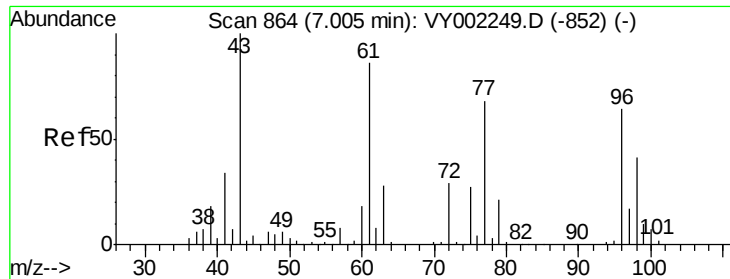
MMDadoda
 4/20/2020 11:41:31 AM



#24
 1,1-Dichloroethane
 Concen: 50.265 ug/l
 RT: 6.05 min Scan# 708
 Delta R.T. 0.01 min
 Lab File: VY002386.D
 Acq: 17 Apr 2020 10:08

Tgt Ion: 63 Resp: 189524
 Ion Ratio Lower Upper
 63 100
 98 8.2 4.0 12.0
 100 5.3 2.4 7.1





#25

2-Butanone

Concen: 254.176 ug/l

RT: 7.02 min Scan# 866

Delta R.T. 0.01 min

Lab File: VY002386.D

Acq: 17 Apr 2020 10:08

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 199032

Ion Ratio Lower Upper

43 100

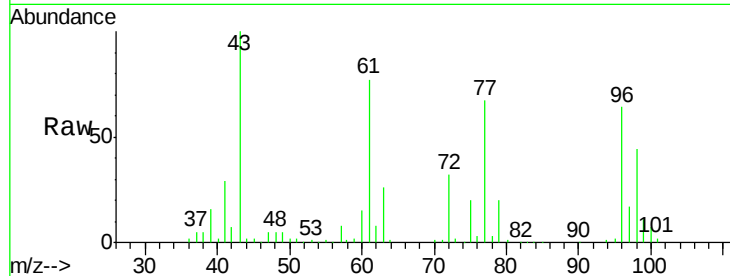
72 32.0 23.2 34.8

Manual Integrations

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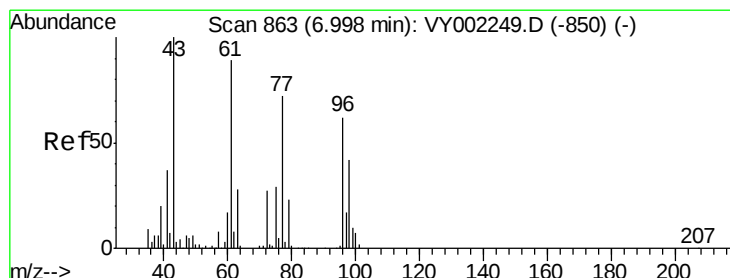
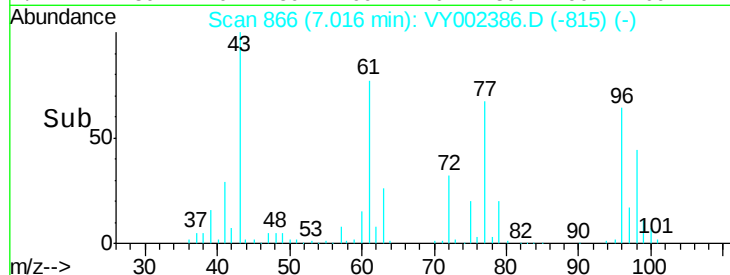
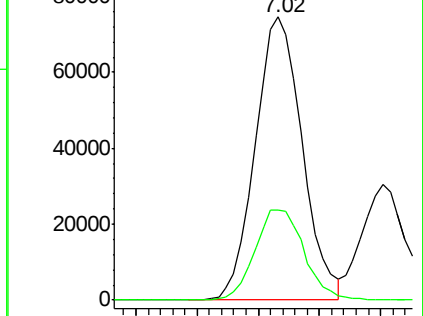
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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#26

2,2-Dichloropropane

Concen: 49.387 ug/l

RT: 7.02 min Scan# 866

Delta R.T. 0.02 min

Lab File: VY002386.D

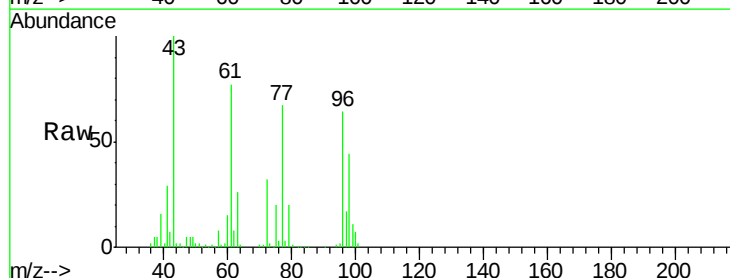
Acq: 17 Apr 2020 10:08

Tgt Ion: 77 Resp: 155766

Ion Ratio Lower Upper

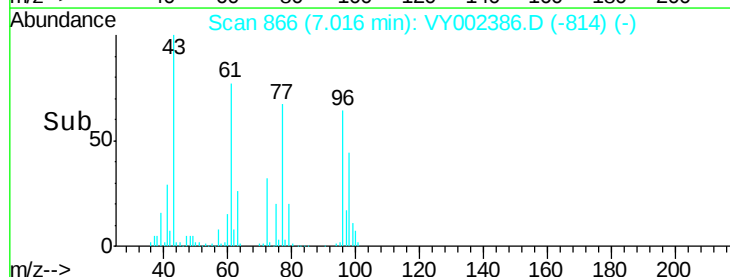
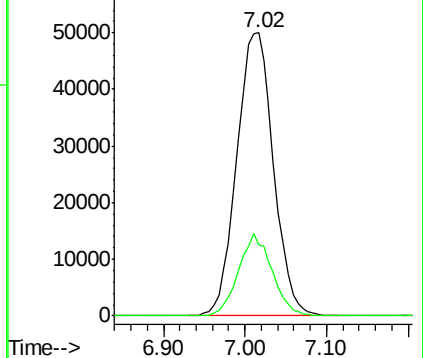
77 100

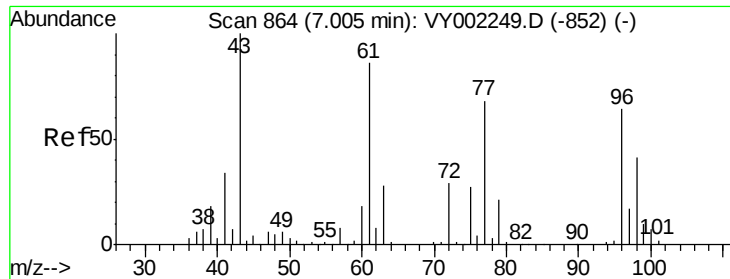
97 26.6 12.2 36.6



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0





#27

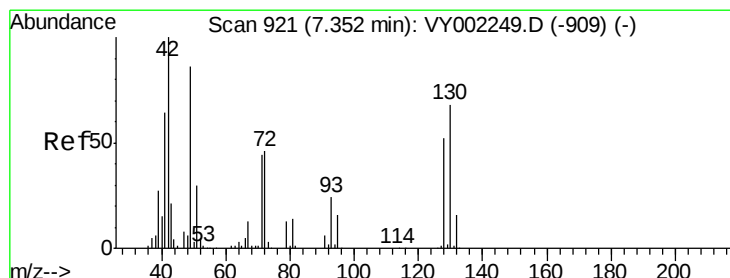
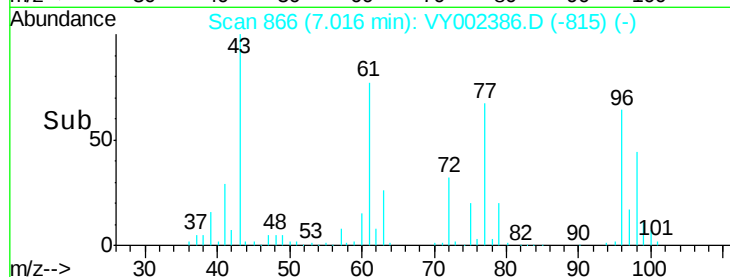
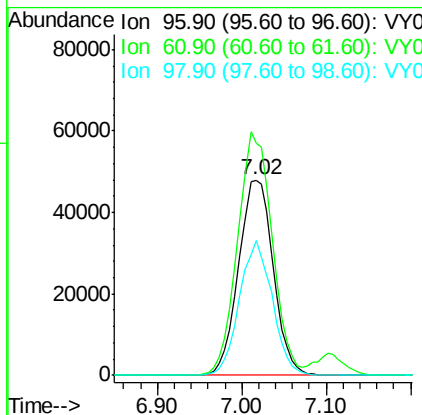
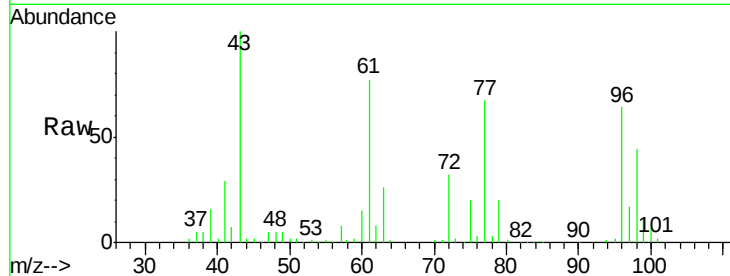
cis-1,2-Dichloroethene
 Concen: 53.651 ug/l
 RT: 7.02 min Scan# 866
 Delta R.T. 0.01 min
 Lab File: VY002386.D
 Acq: 17 Apr 2020 10:08

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	133904		
61	124.4	0.0	278.0	
98	65.2	0.0	128.6	

Manual Integrations
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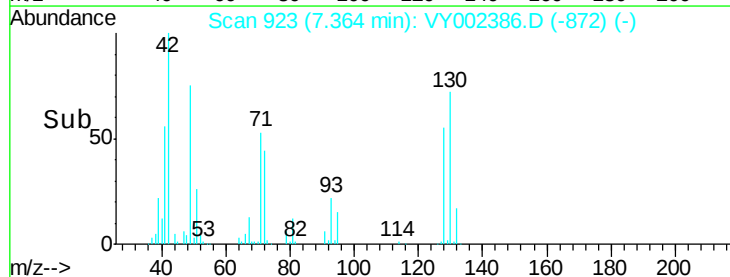
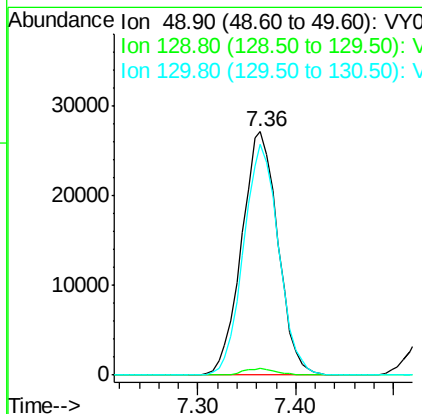
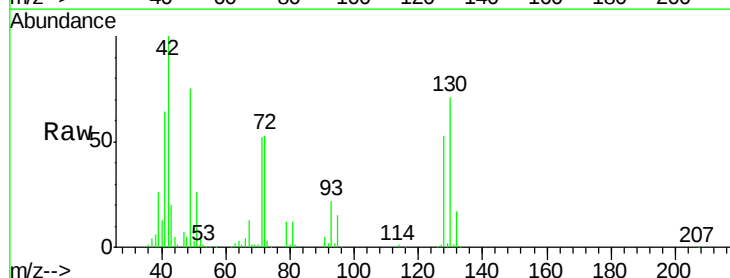
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 4/20/2020 11:41:31 AM

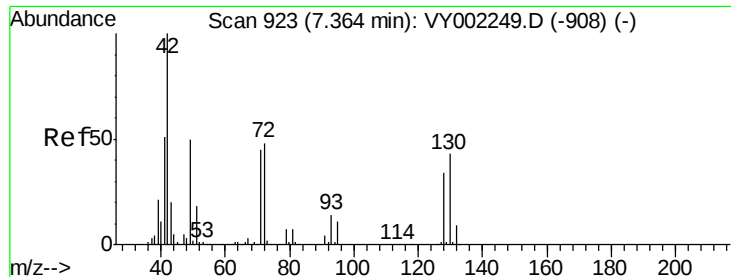


#28

Bromochloromethane
 Concen: 43.071 ug/l
 RT: 7.36 min Scan# 923
 Delta R.T. 0.01 min
 Lab File: VY002386.D
 Acq: 17 Apr 2020 10:08

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	70103		
129	2.5	0.0	4.2	
130	91.9	60.9	91.3#	





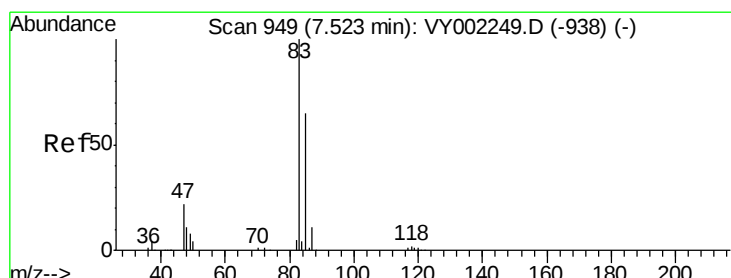
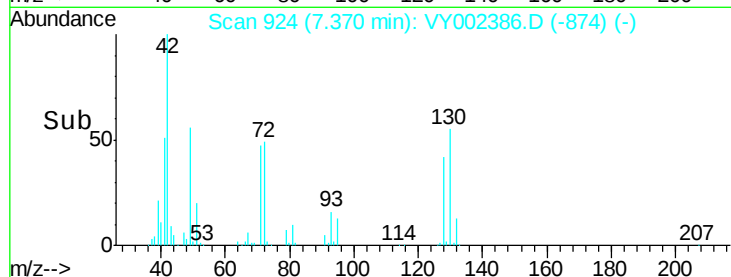
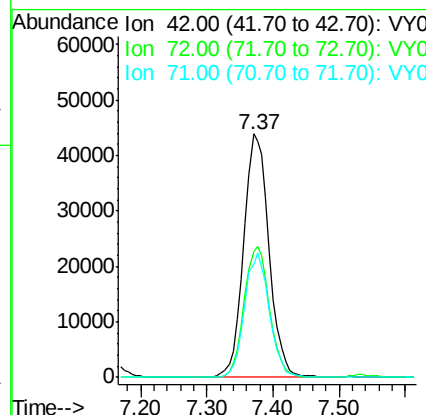
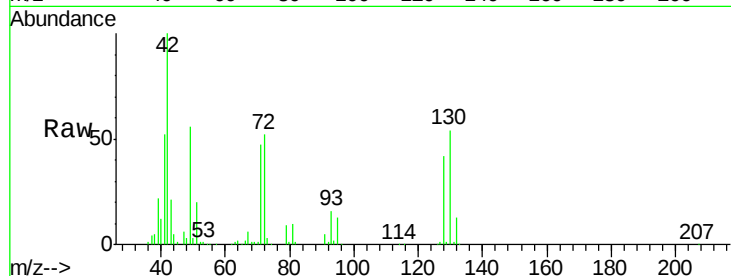
#29
Tetrahydrofuran
Concen: 225.444 ug/l
RT: 7.37 min Scan# 924
Delta R.T. 0.01 min
Lab File: VY002386.D
Acq: 17 Apr 2020 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	53.9	36.7	55.1
71	49.9	34.7	52.1

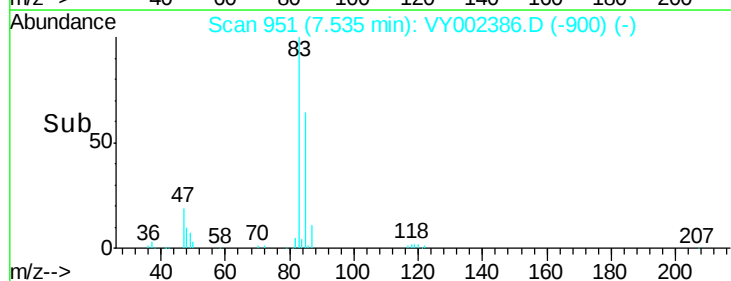
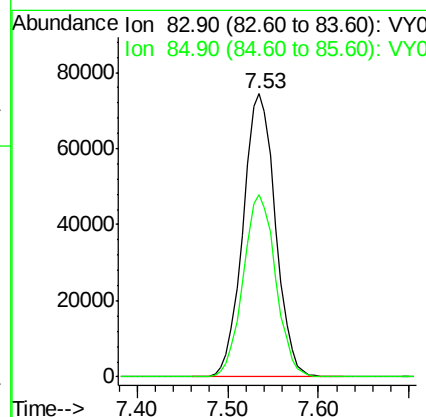
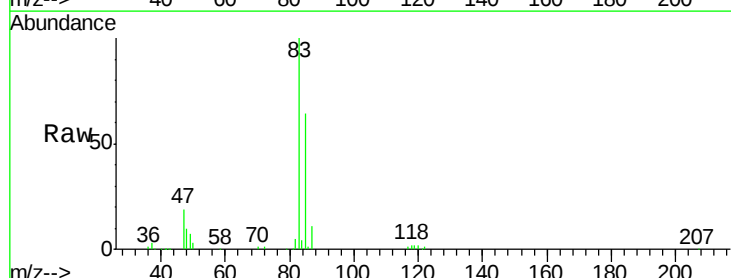
Manual Integrations
APPROVED

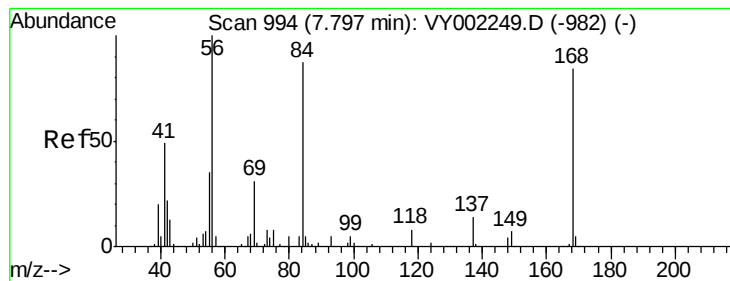
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#30
Chloroform
Concen: 51.704 ug/l
RT: 7.53 min Scan# 951
Delta R.T. 0.01 min
Lab File: VY002386.D
Acq: 17 Apr 2020 10:08

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	52.0	78.0





#31

Cvclohexane

Concen: 46.088 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.01 min

Lab File: VY002386.D

Acq: 17 Apr 2020 10:08

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 182405

Ion Ratio Lower Upper

56 100

69 35.2 25.0 37.6

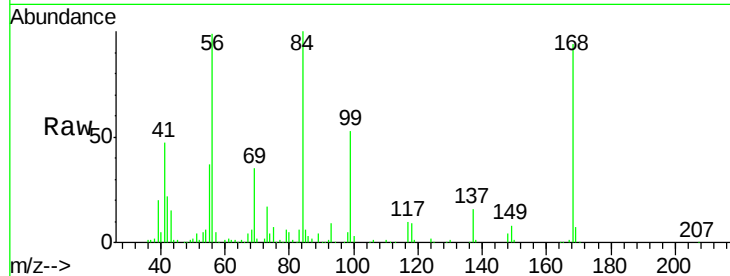
84 99.6 69.7 104.5

Manual Integrations

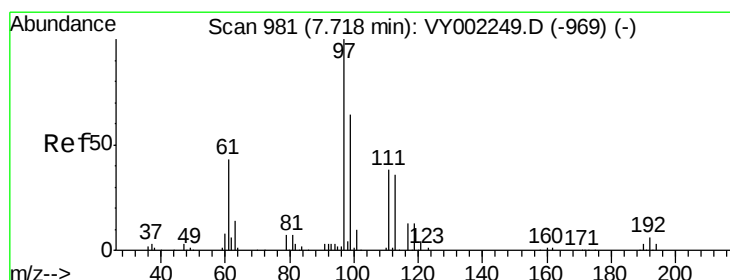
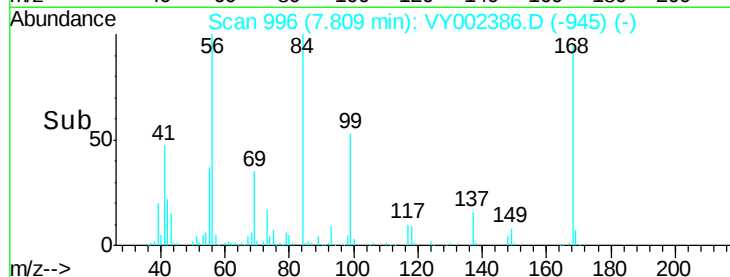
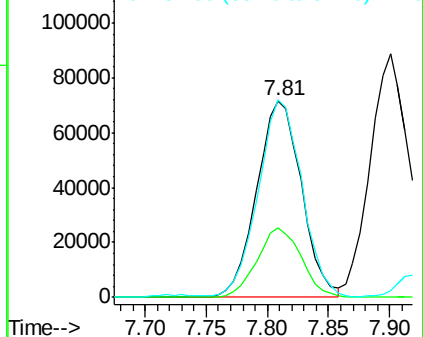
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Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0



#32

1,1,1-Trichloroethane

Concen: 52.217 ug/l

RT: 7.73 min Scan# 983

Delta R.T. 0.01 min

Lab File: VY002386.D

Acq: 17 Apr 2020 10:08

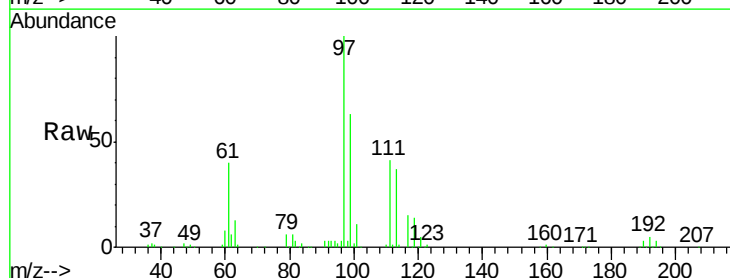
Tgt Ion: 97 Resp: 154473

Ion Ratio Lower Upper

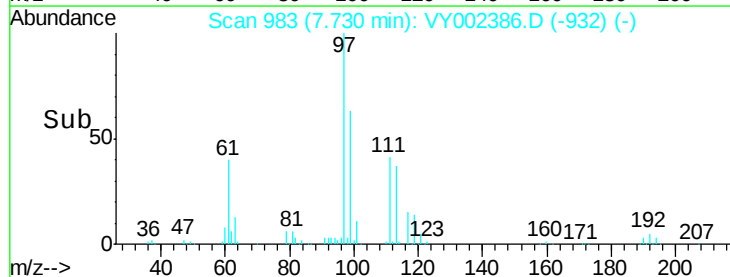
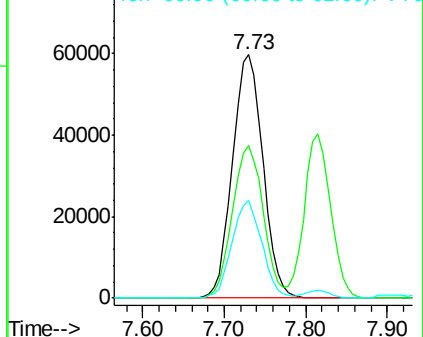
97 100

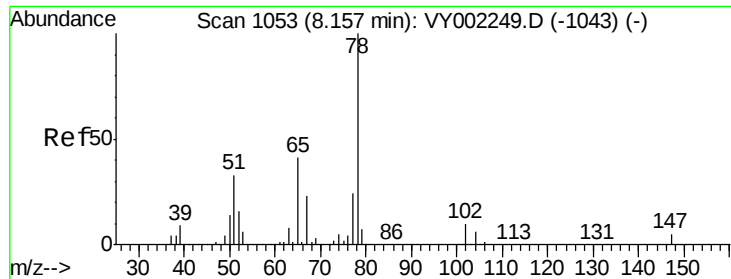
99 63.1 51.3 76.9

61 39.3 34.3 51.5



Abundance Ion 96.90 (96.60 to 97.60): VY0
Ion 98.90 (98.60 to 99.60): VY0
Ion 60.90 (60.60 to 61.60): VY0





#33

1,2-Dichloroethane-d4

Concen: 42.834 ug/l

RT: 8.17 min Scan# 1055

Delta R.T. 0.01 min

Lab File: VY002386.D

Acq: 17 Apr 2020 10:08

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 80469

Ion Ratio Lower Upper

65 100

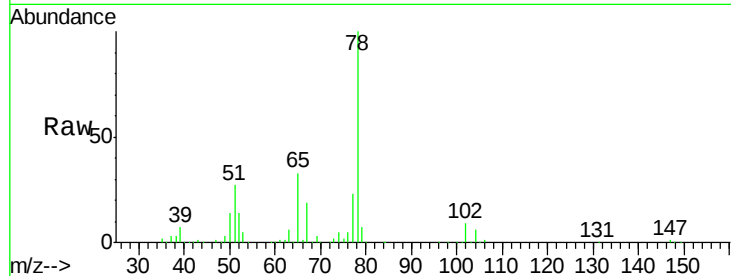
67 58.3 0.0 114.0

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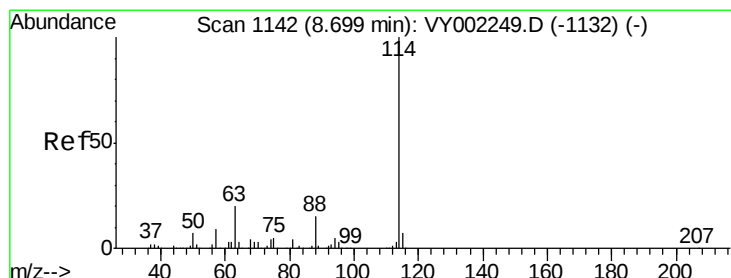
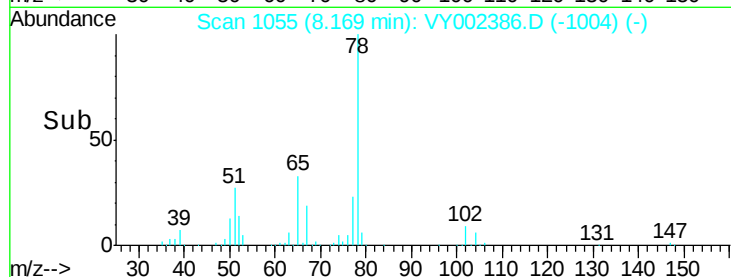
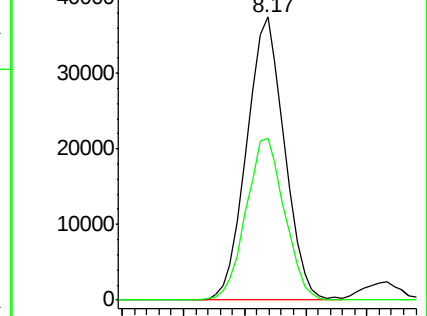
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Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.71 min Scan# 1144

Delta R.T. 0.01 min

Lab File: VY002386.D

Acq: 17 Apr 2020 10:08

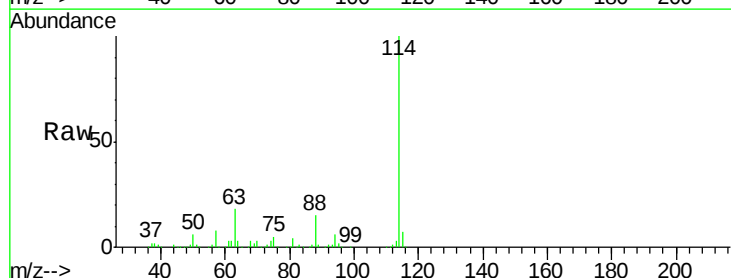
Tgt Ion: 114 Resp: 296872

Ion Ratio Lower Upper

114 100

63 18.0 0.0 39.0

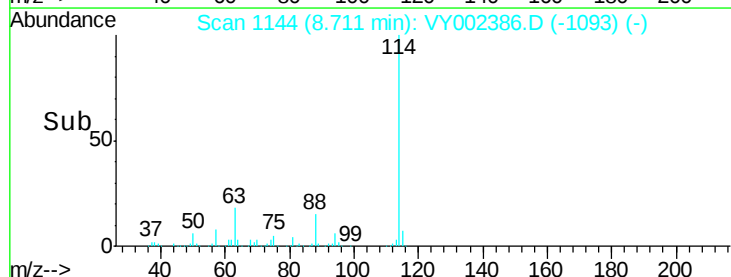
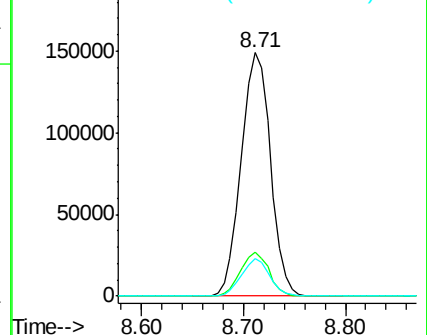
88 15.3 0.0 31.0

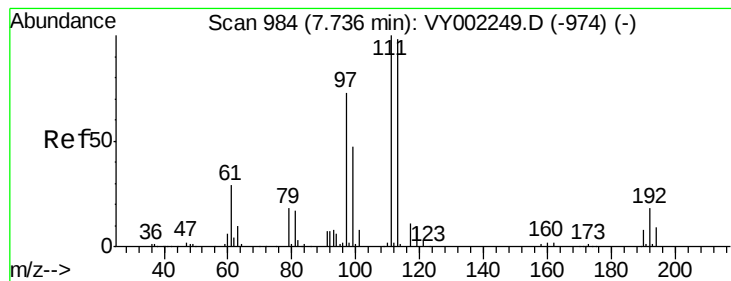


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0





#35

Dibromofluoromethane

Concen: 50.583 ug/l

RT: 7.74 min Scan# 985

Delta R.T. 0.01 min

Lab File: VY002386.D

Acq: 17 Apr 2020 10:08

Instrument :

MSVOA_Y

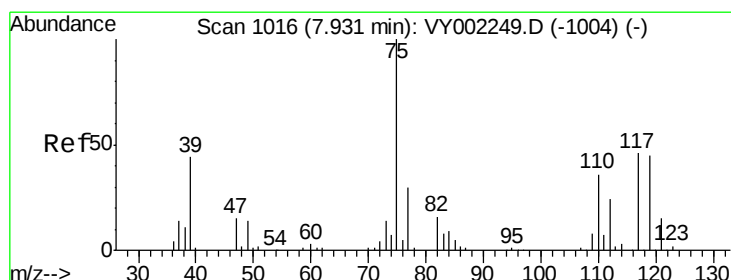
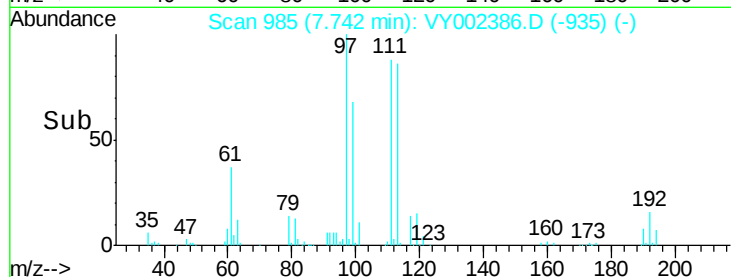
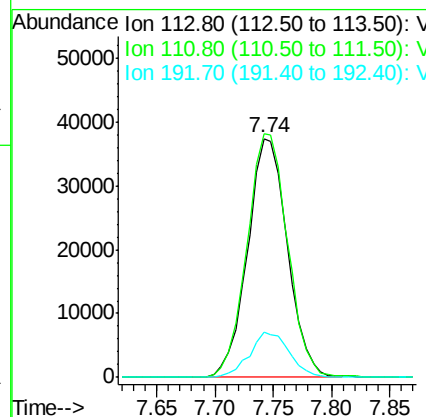
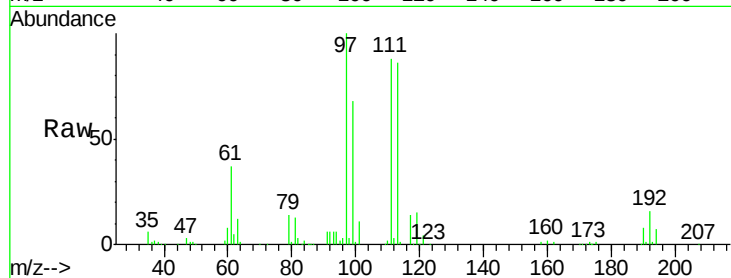
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	89355
Ion	Ratio	Lower	Upper
113	100		
111	104.0	83.5	125.3
192	18.8	14.7	22.1

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 52.374 ug/l

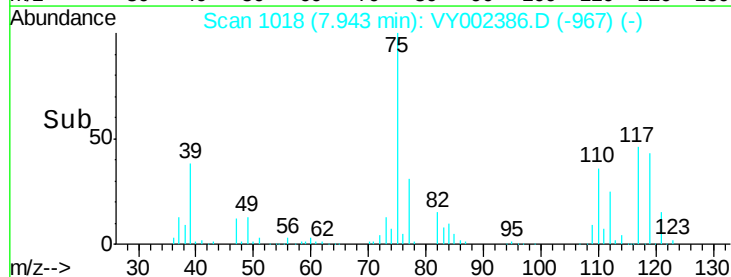
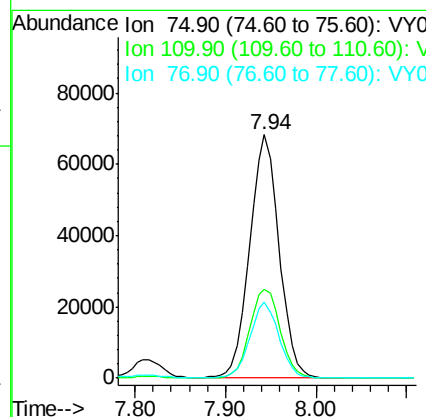
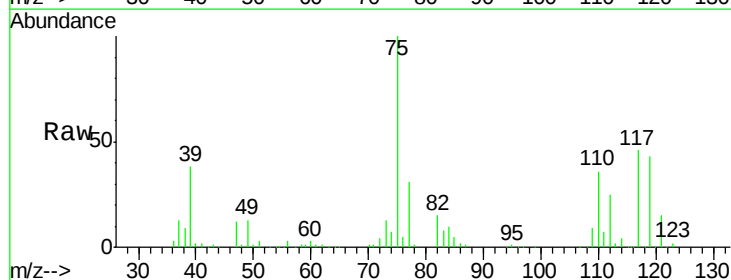
RT: 7.94 min Scan# 1018

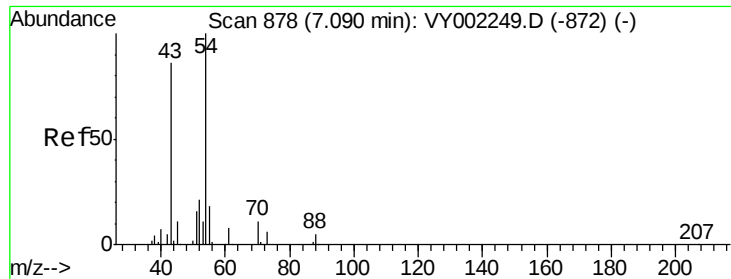
Delta R.T. 0.01 min

Lab File: VY002386.D

Acq: 17 Apr 2020 10:08

Tgt Ion:	75	Resp:	153148
Ion	Ratio	Lower	Upper
75	100		
110	37.7	17.8	53.3
77	31.0	24.4	36.6





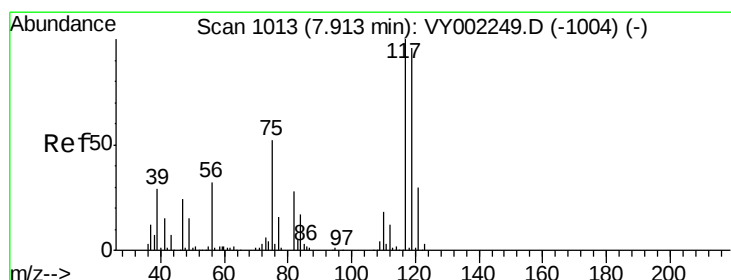
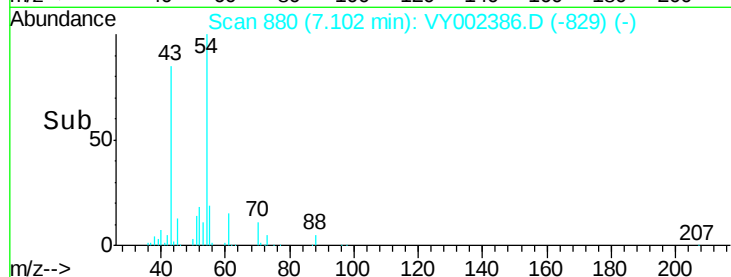
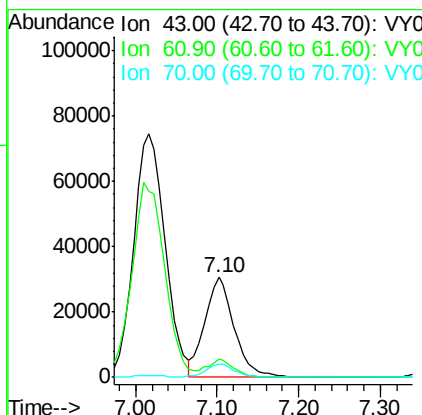
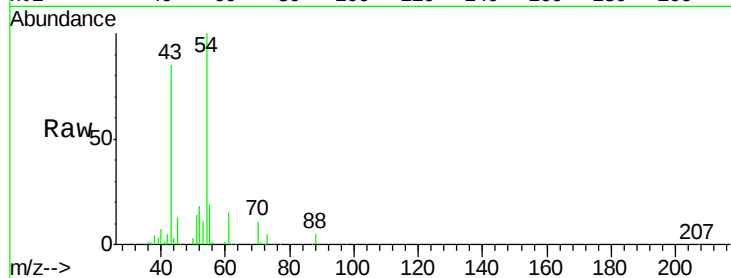
#37
Ethyl Acetate
Concen: 46.612 ug/l
RT: 7.10 min Scan# 880
Delta R.T. 0.01 min
Lab File: VY002386.D
Acq: 17 Apr 2020 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.8	11.8	17.6
70	13.2	9.1	13.7

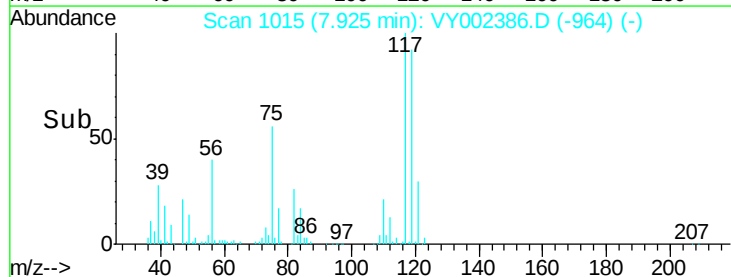
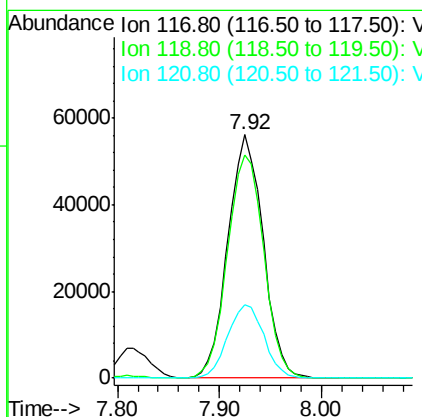
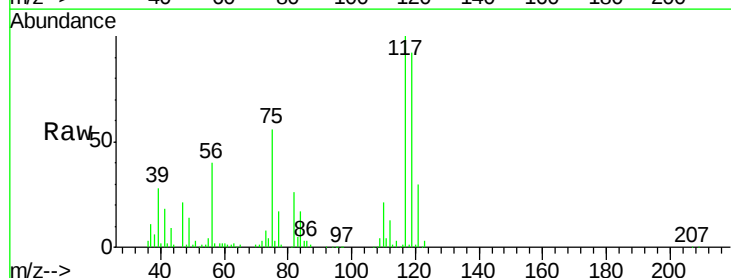
Manual Integrations
APPROVED

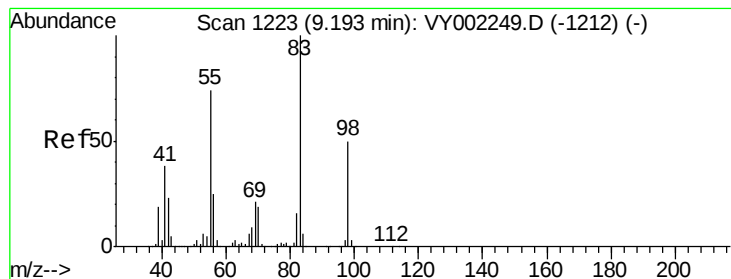
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#38
Carbon Tetrachloride
Concen: 53.824 ug/l
RT: 7.92 min Scan# 1015
Delta R.T. 0.01 min
Lab File: VY002386.D
Acq: 17 Apr 2020 10:08

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.8	77.1	115.7
121	30.1	23.9	35.9





#39

Methvlcvclohexane

Concen: 53.166 ug/l

RT: 9.20 min Scan# 1224

Delta R.T. 0.01 min

Lab File: VY002386.D

Acq: 17 Apr 2020 10:08

Instrument :

MSVOA_Y

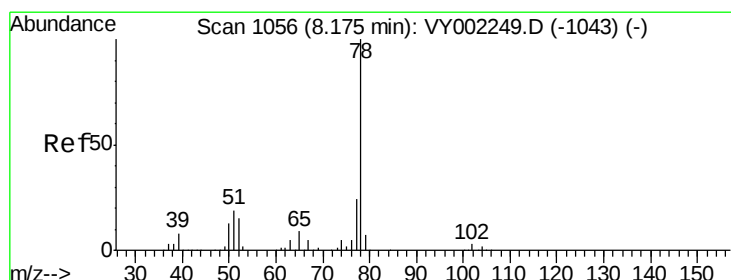
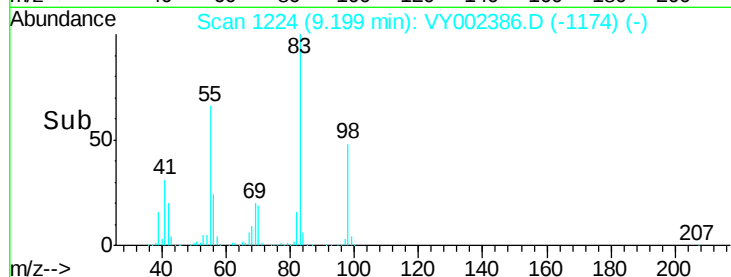
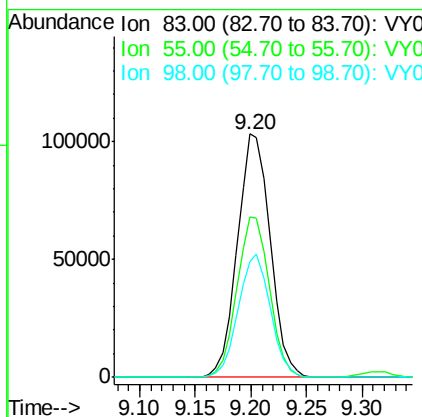
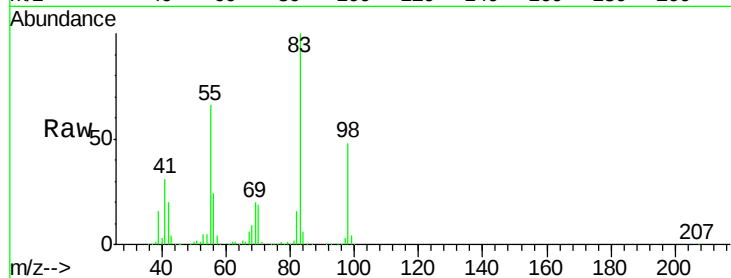
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	211479
Ion	Ratio	Lower	Upper
83	100		
55	66.0	59.3	88.9
98	47.6	39.6	59.4

Manual Integrations
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#40

Benzene

Concen: 54.026 ug/l

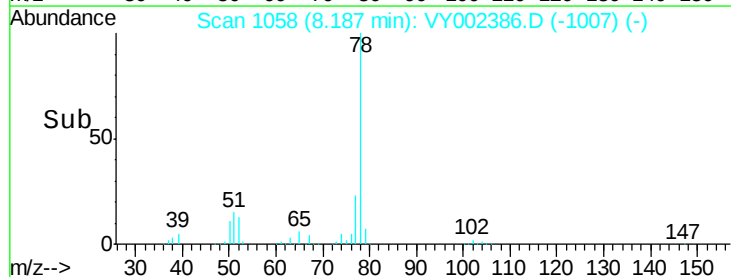
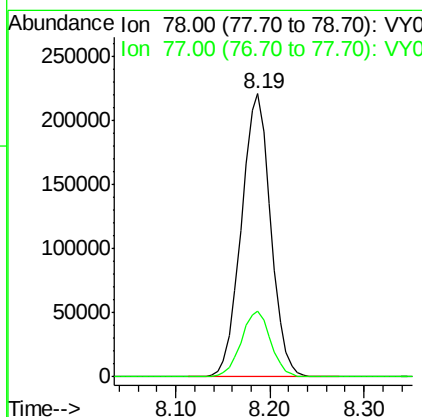
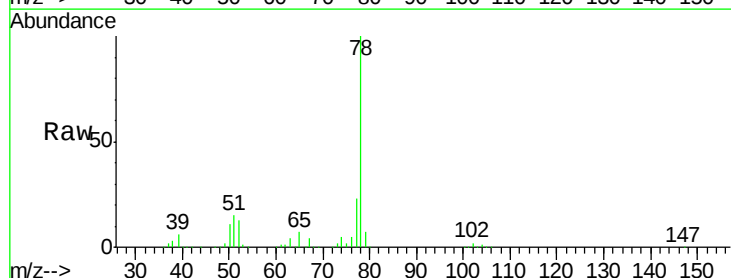
RT: 8.19 min Scan# 1058

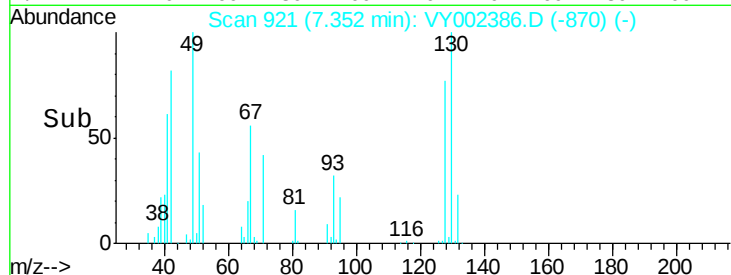
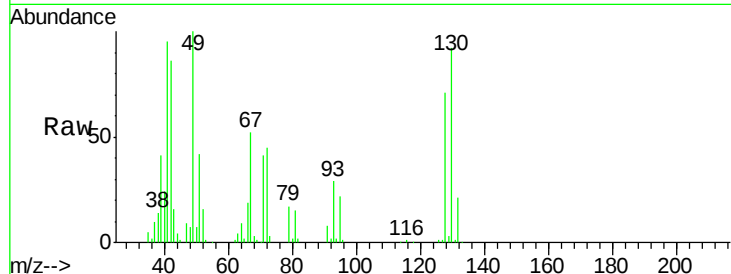
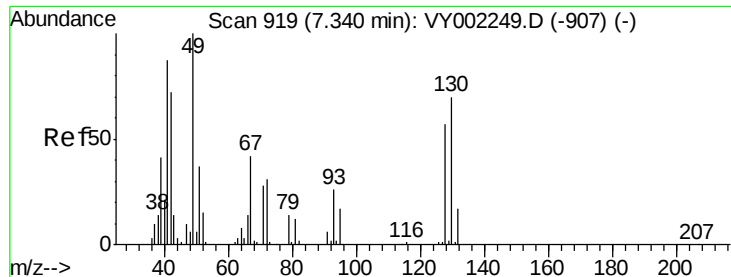
Delta R.T. 0.01 min

Lab File: VY002386.D

Acq: 17 Apr 2020 10:08

Tgt Ion:	78	Resp:	479310
Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.9	28.3





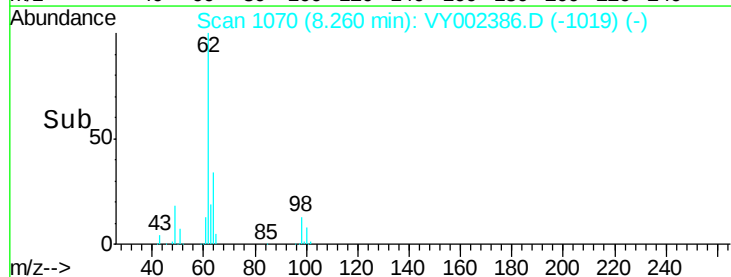
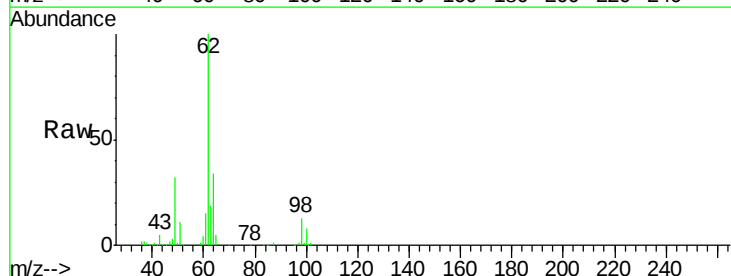
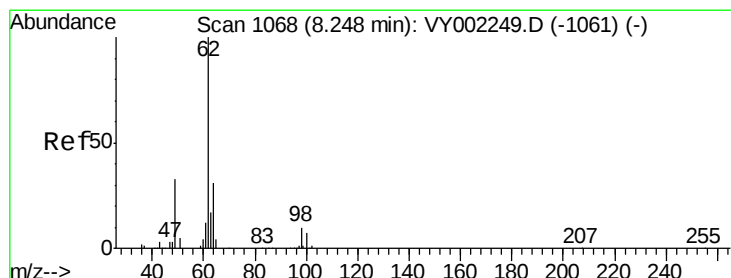
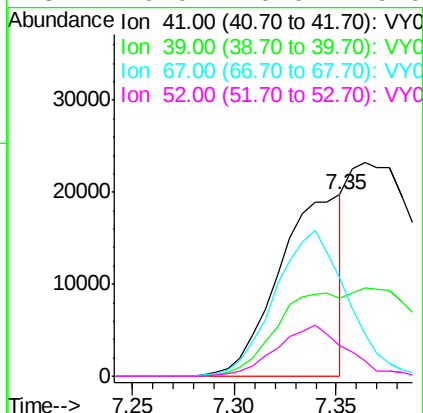
#41
Methacrylonitrile
Concen: 43.220 ug/l m
RT: 7.35 min Scan# 921
Delta R.T. 0.01 min
Lab File: VY002386.D
Acq: 17 Apr 2020 10:08

Tot Ion	41	Resp	42591
Ion	Ratio	Lower	Upper
41	100		
39	103.1	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

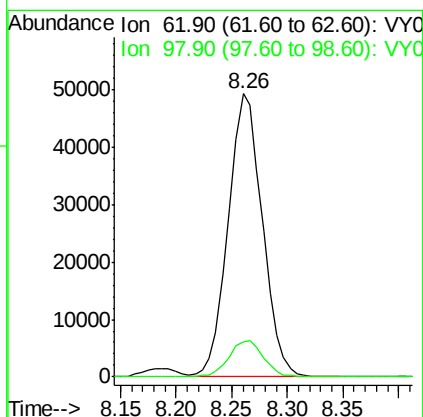
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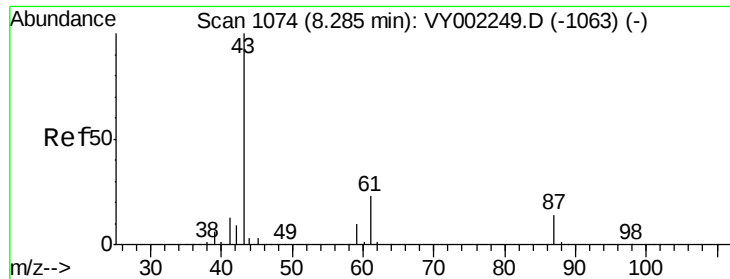
MMDadoda
4/20/2020 11:41:31 AM



#42
1,2-Dichloroethane
Concen: 47.857 ug/l
RT: 8.26 min Scan# 1070
Delta R.T. 0.01 min
Lab File: VY002386.D
Acq: 17 Apr 2020 10:08

Tgt Ion	62	Resp	105174
Ion	Ratio	Lower	Upper
62	100		
98	12.9	0.0	22.6





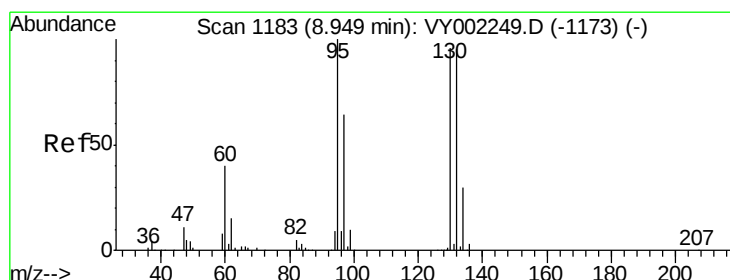
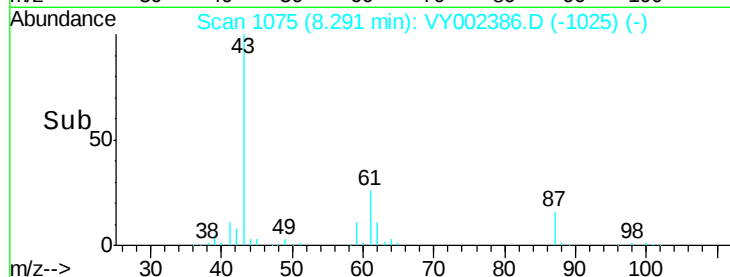
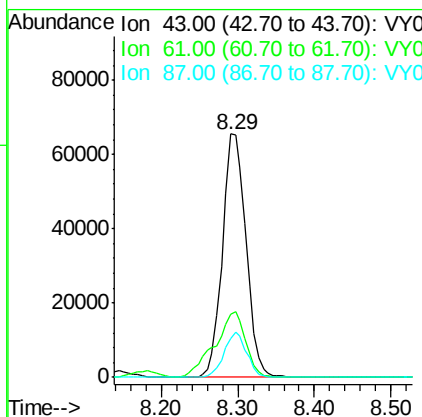
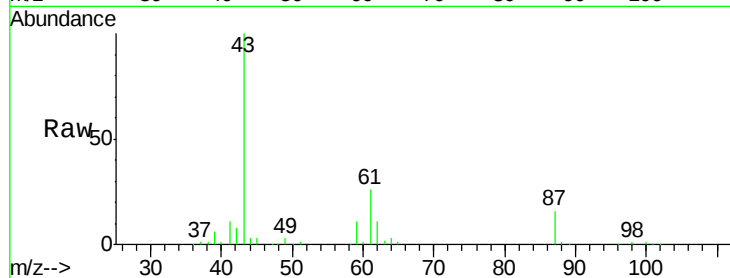
#43
Isopropyl Acetate
Concen: 45.858 ug/l
RT: 8.29 min Scan# 1075
Delta R.T. 0.01 min
Lab File: VY002386.D
Acq: 17 Apr 2020 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	35.4	24.9	37.3
87	17.7	11.7	17.5

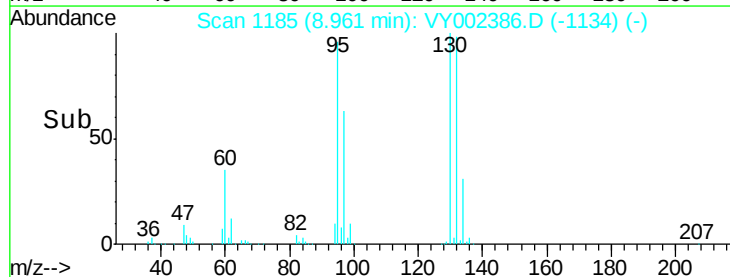
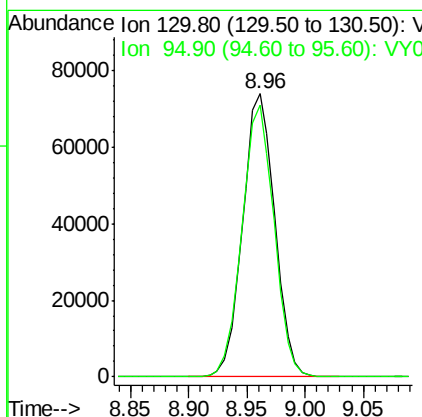
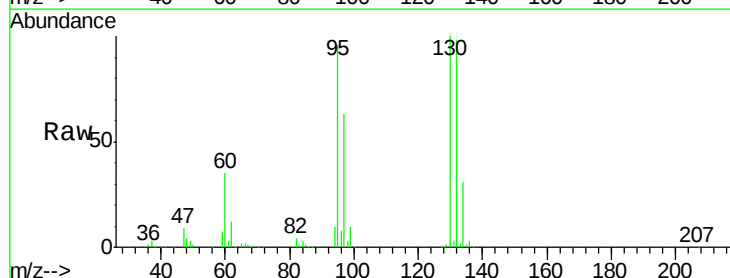
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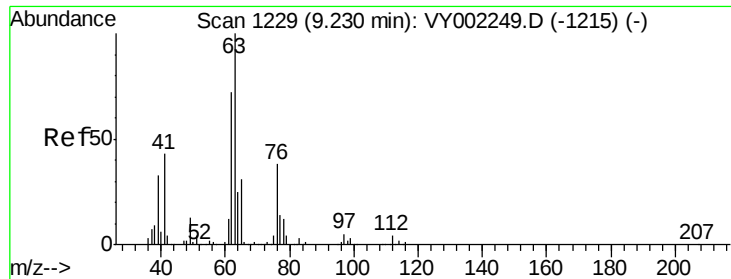
MMDadoda
4/20/2020 11:41:31 AM



#44
Trichloroethene
Concen: 54.533 ug/l
RT: 8.96 min Scan# 1185
Delta R.T. 0.01 min
Lab File: VY002386.D
Acq: 17 Apr 2020 10:08

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.1	0.0	208.2





#45

1,2-Dichloropropane

Concen: 51.098 ug/l

RT: 9.24 min Scan# 1230

Delta R.T. 0.01 min

Lab File: VY002386.D

Acq: 17 Apr 2020 10:08

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 112481

Ion Ratio Lower Upper

63 100

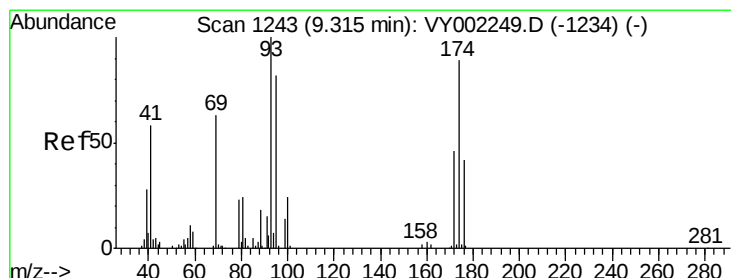
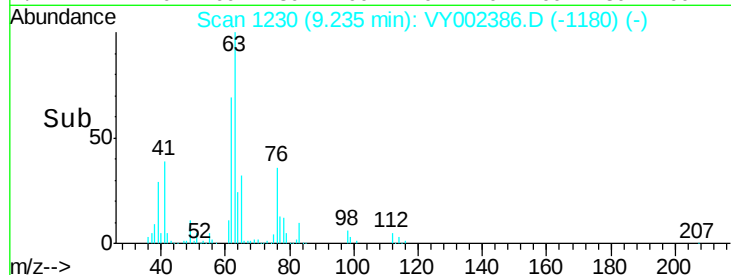
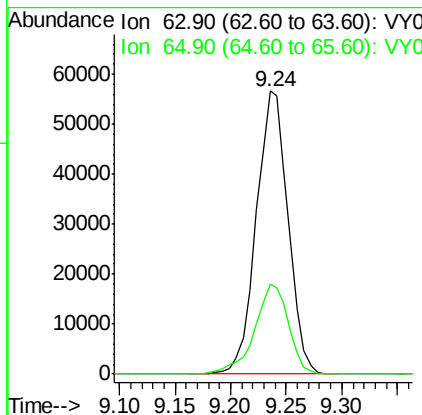
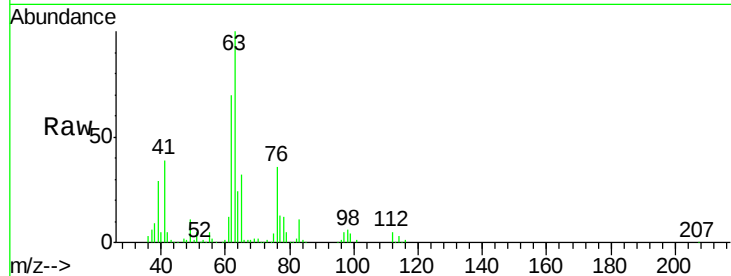
65 31.8 24.6 37.0

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#46

Dibromomethane

Concen: 53.531 ug/l

RT: 9.33 min Scan# 1245

Delta R.T. 0.01 min

Lab File: VY002386.D

Acq: 17 Apr 2020 10:08

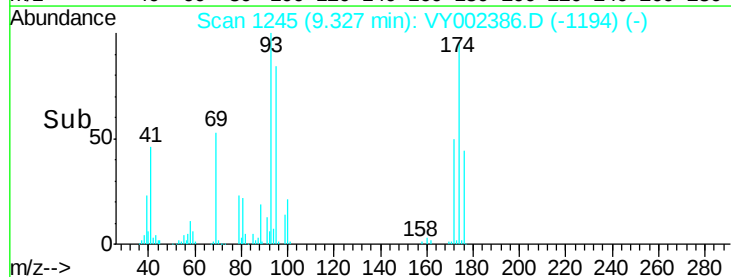
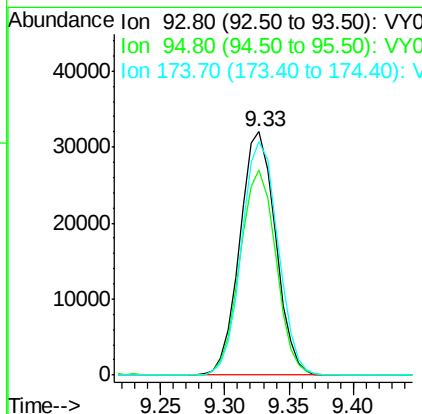
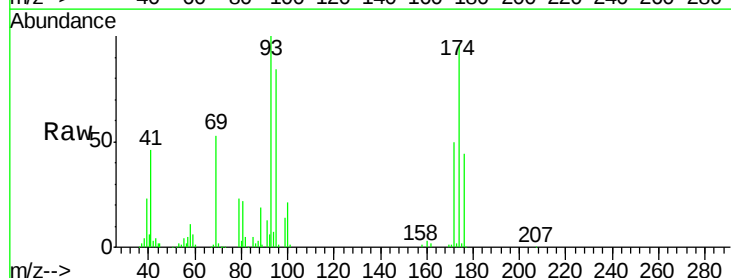
Tgt Ion: 93 Resp: 61611

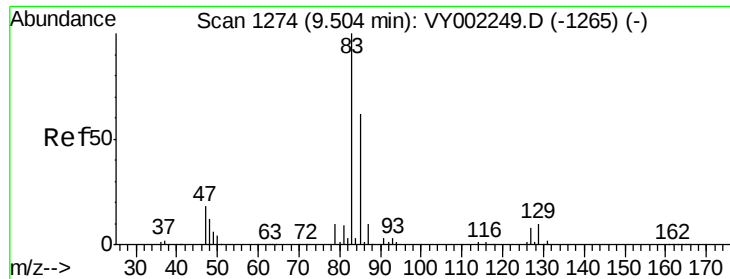
Ion Ratio Lower Upper

93 100

95 84.7 67.3 100.9

174 97.7 72.5 108.7





#47

Bromodichloromethane

Concen: 52.839 ug/l

RT: 9.52 min Scan# 1276

Delta R.T. 0.01 min

Lab File: VY002386.D

Acq: 17 Apr 2020 10:08

Instrument :

MSVOA_Y

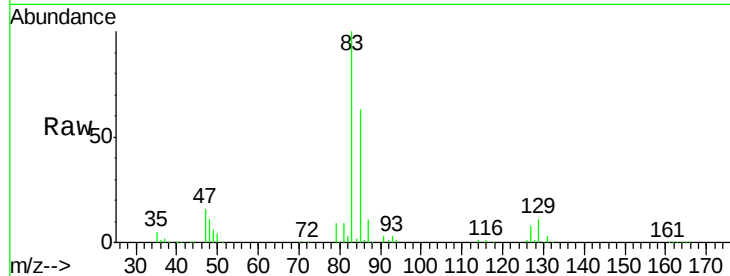
ClientSampleId :

VSTDCCC050

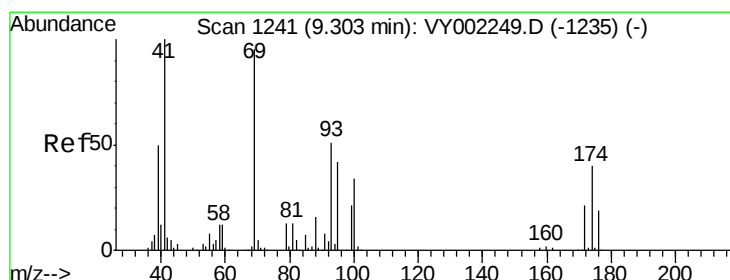
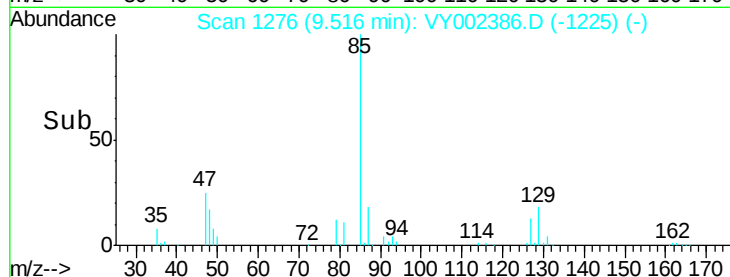
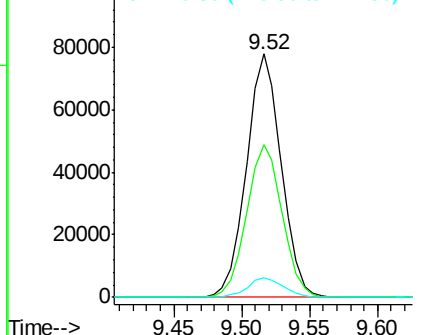
Tot Ion:	83	Resp:	139542
Ion Ratio	Lower	Upper	
83	100		
85	62.8	49.7	74.5
127	8.1	6.2	9.4

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



#48

Methyl methacrylate

Concen: 46.111 ug/l

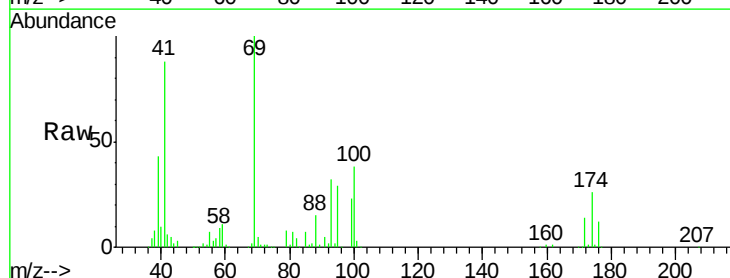
RT: 9.31 min Scan# 1242

Delta R.T. 0.01 min

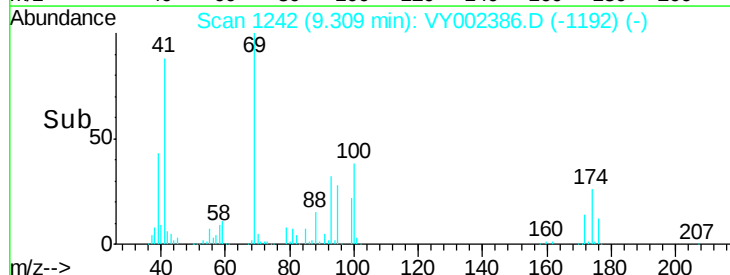
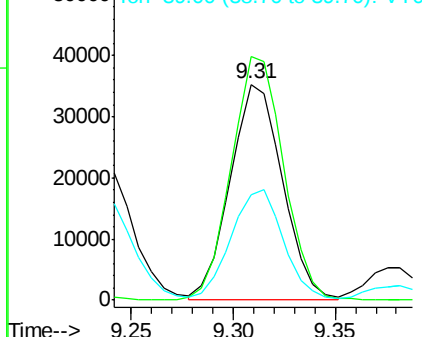
Lab File: VY002386.D

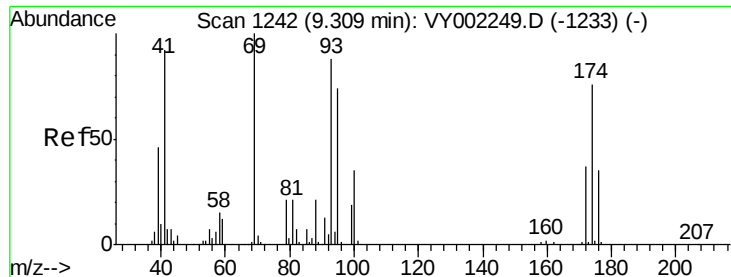
Acq: 17 Apr 2020 10:08

Tgt Ion:	41	Resp:	62992
Ion Ratio	Lower	Upper	
41	100		
69	112.8	76.7	115.1
39	51.4	40.5	60.7



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





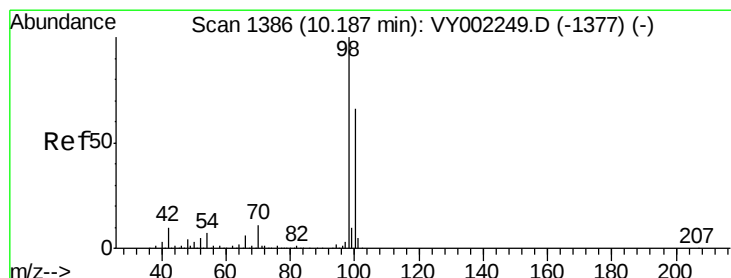
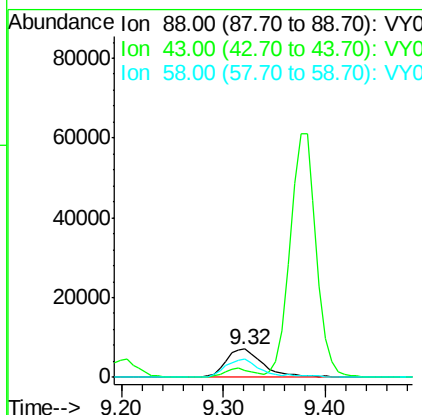
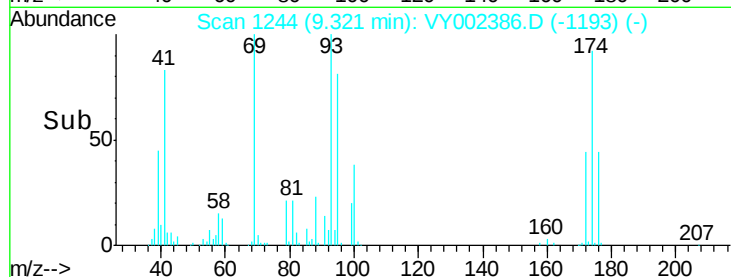
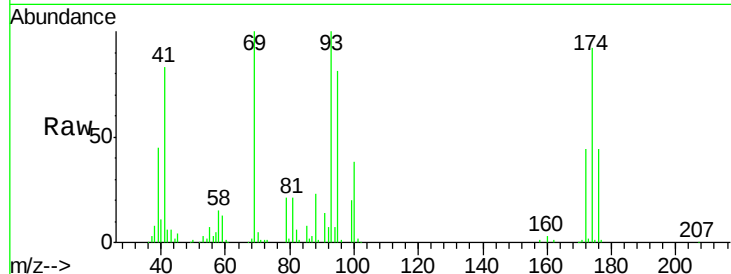
#49
1,4-Dioxane
Concen: 1125.865 ug/l
RT: 9.32 min Scan# 1244
Delta R.T. 0.01 min
Lab File: VY002386.D
Acq: 17 Apr 2020 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	18330
Ion	Ratio	Lower	Upper
88	100		
43	23.7	22.2	33.2
58	63.5	57.6	86.4

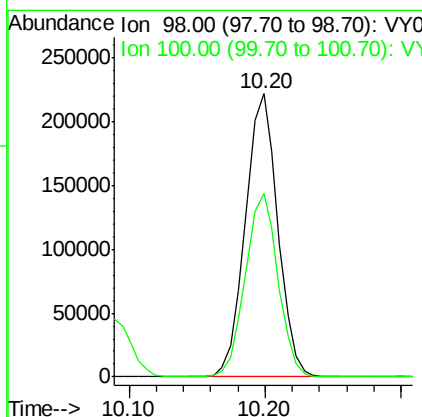
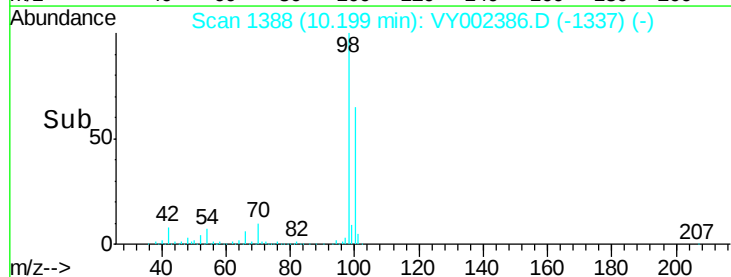
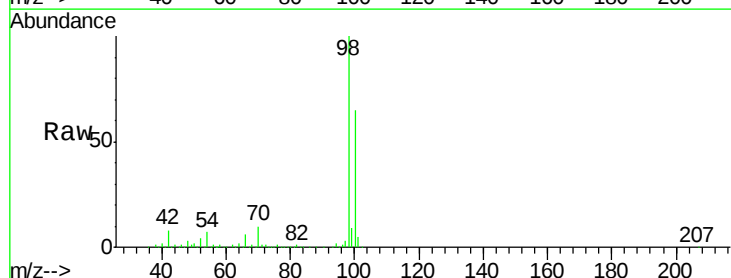
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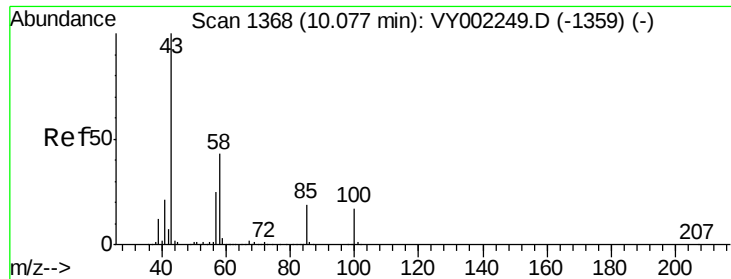
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#50
Toluene-d8
Concen: 50.109 ug/l
RT: 10.20 min Scan# 1388
Delta R.T. 0.01 min
Lab File: VY002386.D
Acq: 17 Apr 2020 10:08

Tgt Ion	98	Resp	370493
Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.6	78.8





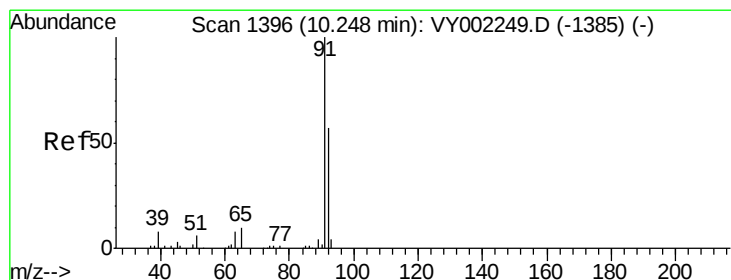
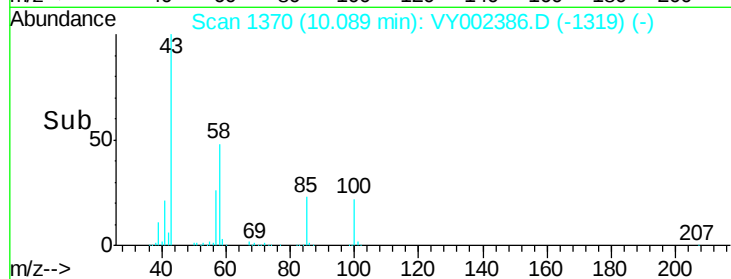
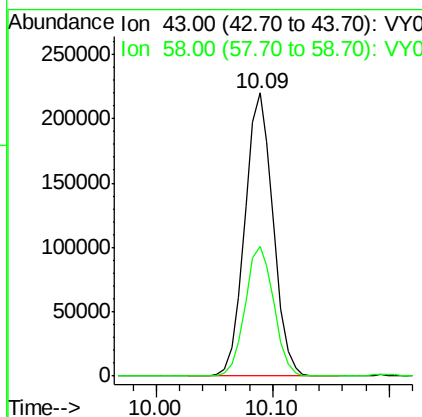
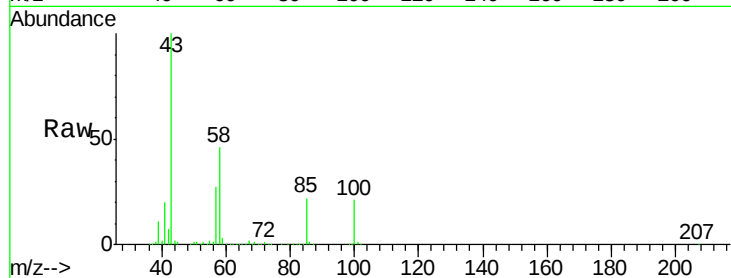
#51
4-Methyl-2-Pentanone
Concen: 234.050 ug/l
RT: 10.09 min Scan# 1370
Delta R.T. 0.01 min
Lab File: VY002386.D
Acq: 17 Apr 2020 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	46.4	33.8	50.8

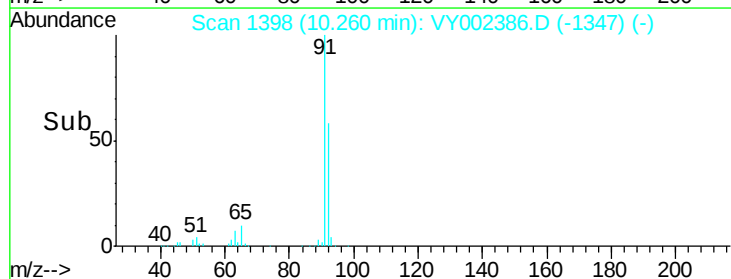
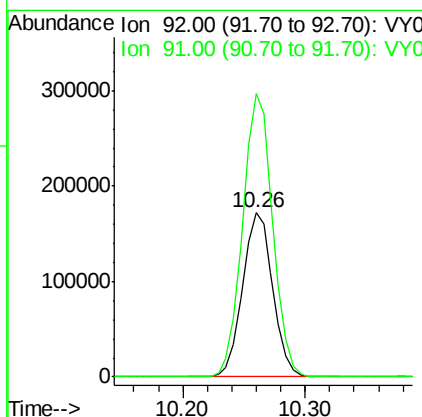
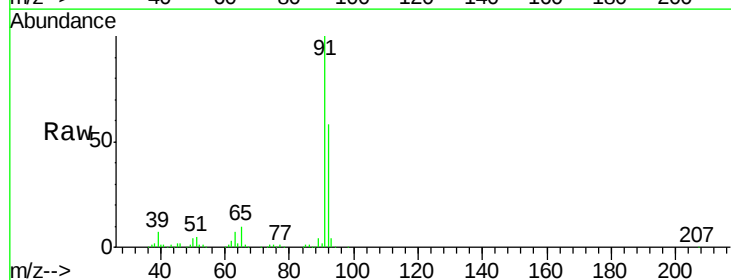
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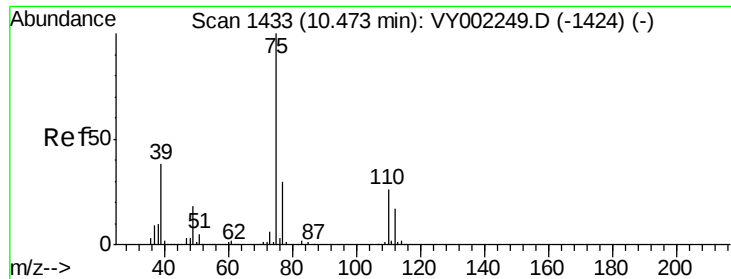
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#52
Toluene
Concen: 54.672 ug/l
RT: 10.26 min Scan# 1398
Delta R.T. 0.01 min
Lab File: VY002386.D
Acq: 17 Apr 2020 10:08

Tgt Ion	Ratio	Lower	Upper
92	100		
91	172.6	139.0	208.6





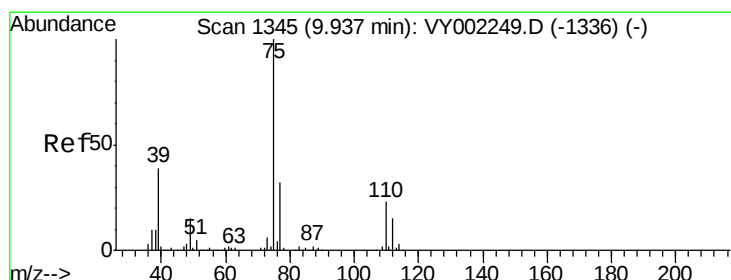
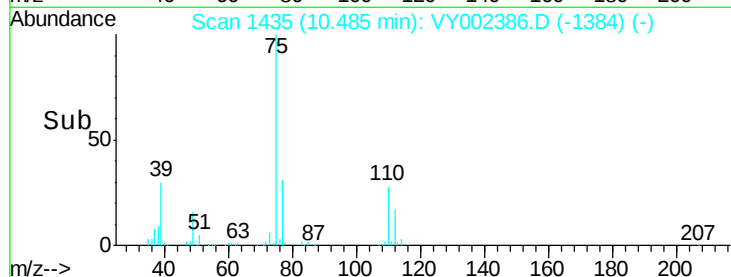
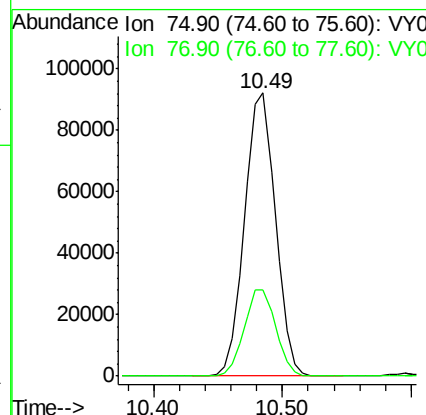
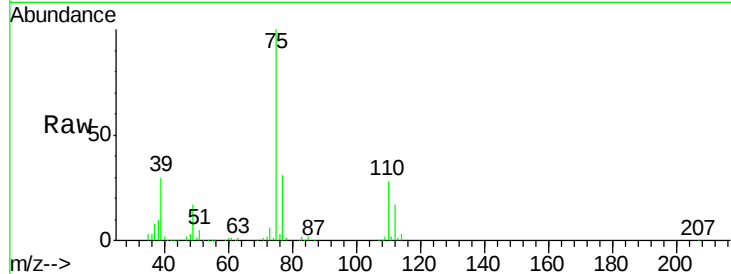
#53
t-1,3-Dichloropropene
Concen: 53.018 ug/l
RT: 10.49 min Scan# 1435
Delta R.T. 0.01 min
Lab File: VY002386.D
Acq: 17 Apr 2020 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.6	24.2	36.2

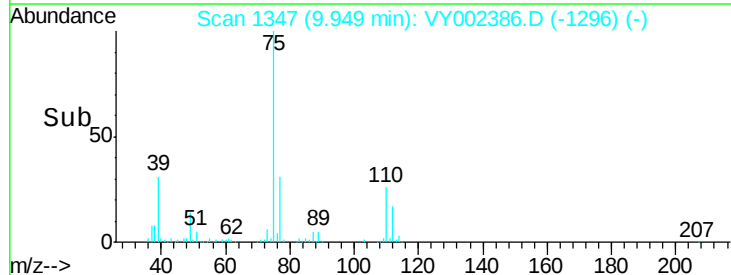
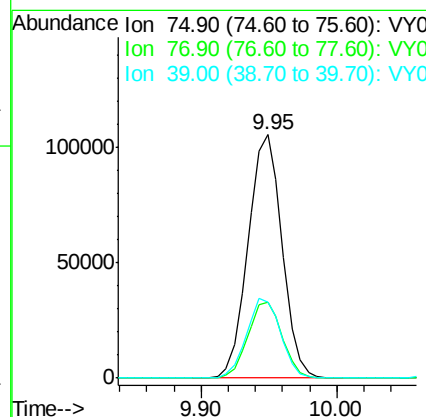
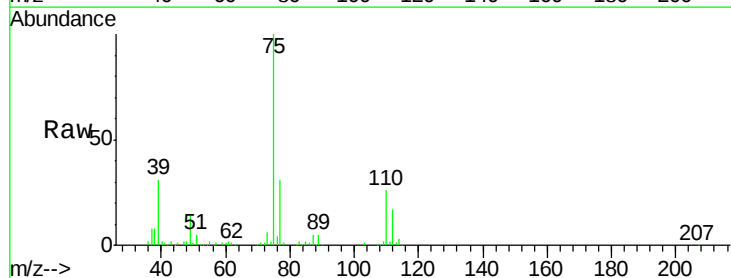
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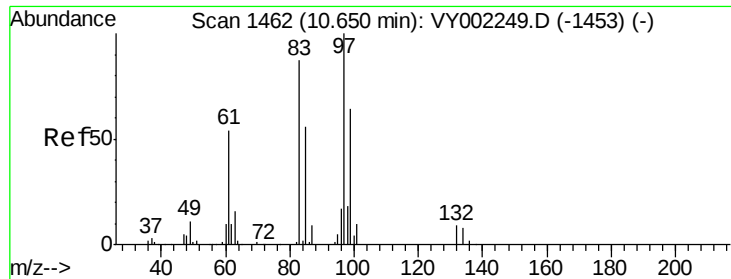
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#54
cis-1,3-Dichloropropene
Concen: 53.274 ug/l
RT: 9.95 min Scan# 1347
Delta R.T. 0.01 min
Lab File: VY002386.D
Acq: 17 Apr 2020 10:08

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.8	38.8
39	31.1	30.8	46.2





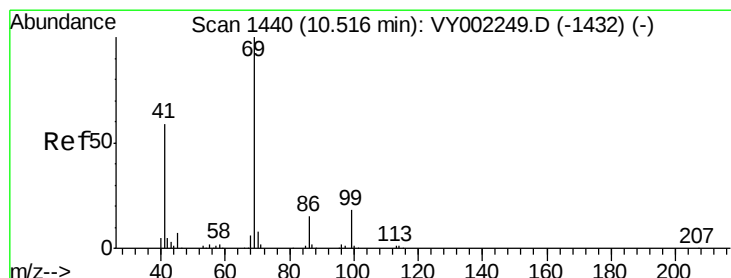
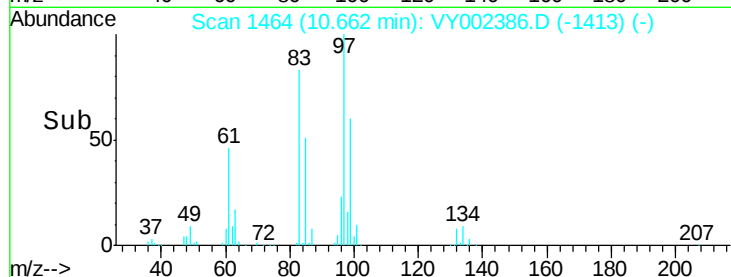
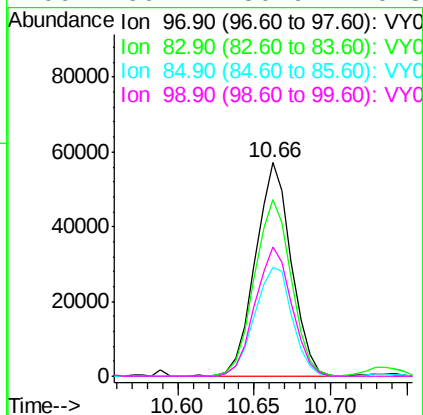
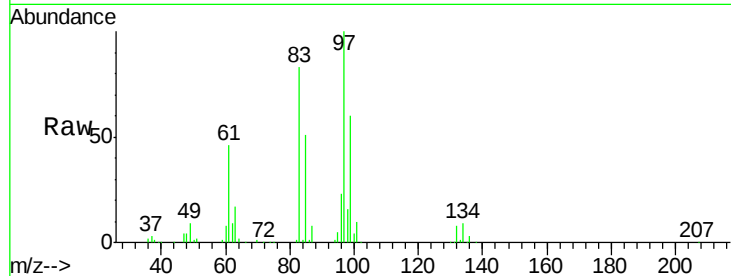
#55
 1,1,2-Trichloroethane
 Concen: 55.581 ug/l
 RT: 10.66 min Scan# 1464
 Delta R.T. 0.01 min
 Lab File: VY002386.D
 Acq: 17 Apr 2020 10:08

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	93656
Ion	Ratio	Lower	Upper
97	100		
83	82.7	69.5	104.3
85	51.2	45.2	67.8
99	60.4	50.9	76.3

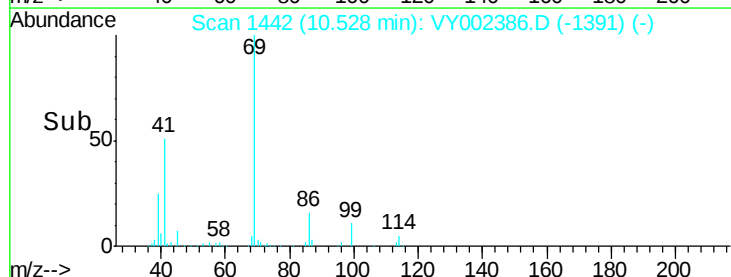
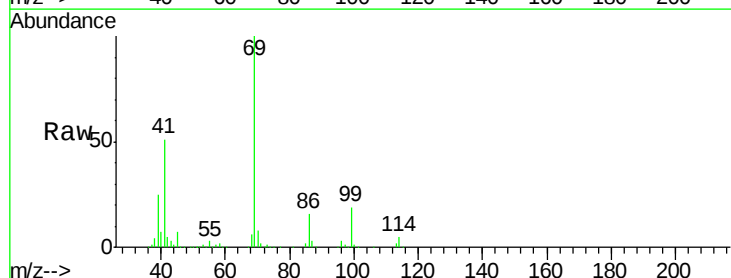
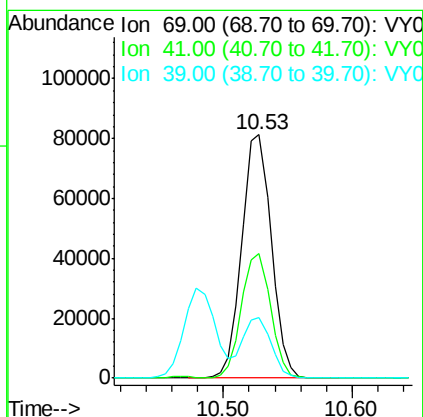
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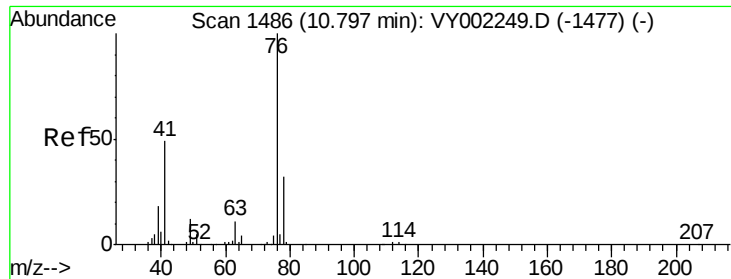
MMDadoda
 4/20/2020 11:41:31 AM



#56
 Ethyl methacrylate
 Concen: 53.689 ug/l
 RT: 10.53 min Scan# 1442
 Delta R.T. 0.01 min
 Lab File: VY002386.D
 Acq: 17 Apr 2020 10:08

Tgt Ion:	69	Resp:	129120
Ion	Ratio	Lower	Upper
69	100		
41	50.3	47.9	71.9
39	24.5	23.8	35.6





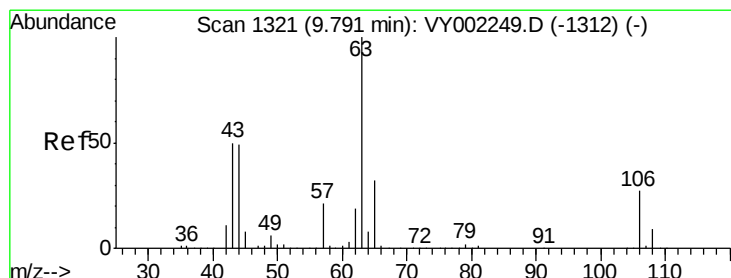
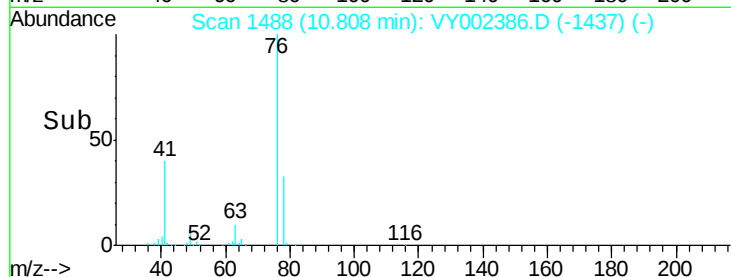
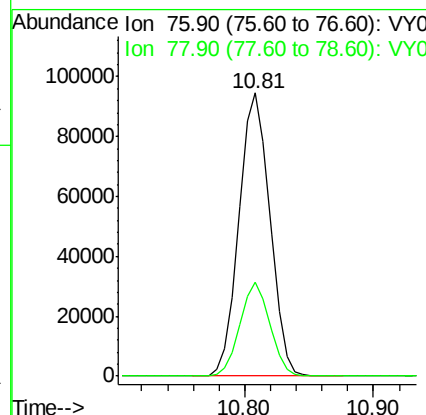
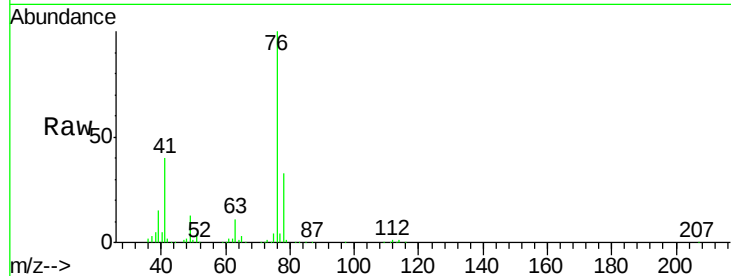
#57
 1,3-Dichloropropane
 Concen: 53.194 ug/l
 RT: 10.81 min Scan# 1488
 Delta R.T. 0.01 min
 Lab File: VY002386.D
 Acq: 17 Apr 2020 10:08

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.8	38.6

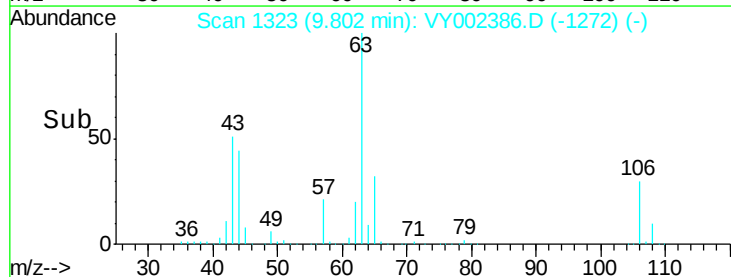
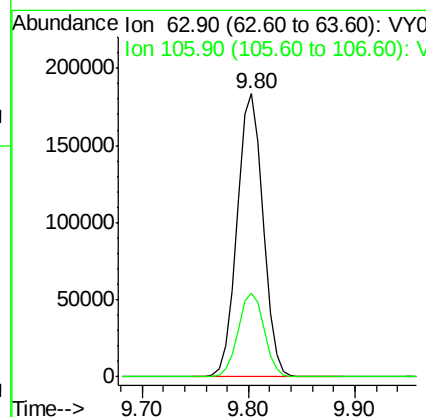
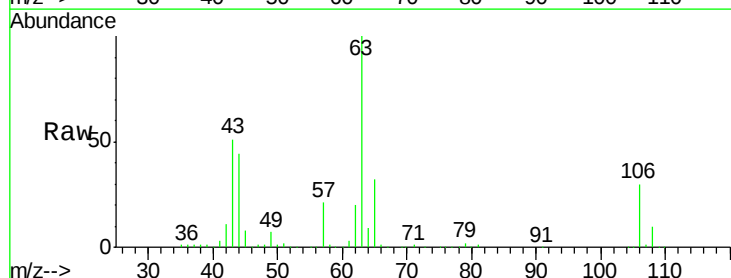
Manual Integrations
 APPROVED

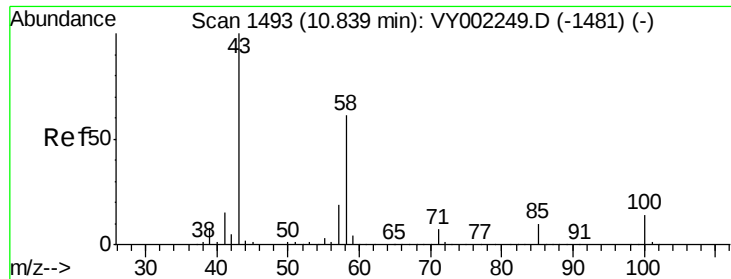
MMDadoda
 4/20/2020 11:41:31 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 252.147 ug/l
 RT: 9.80 min Scan# 1323
 Delta R.T. 0.01 min
 Lab File: VY002386.D
 Acq: 17 Apr 2020 10:08

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.8	22.2	33.2





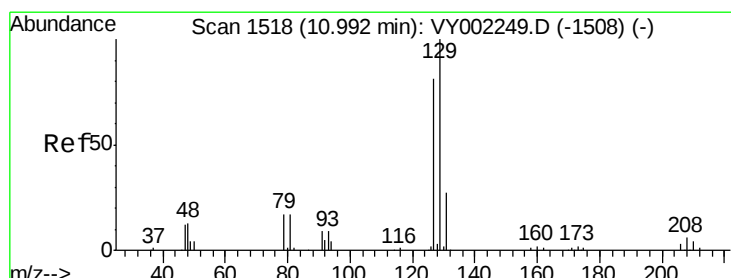
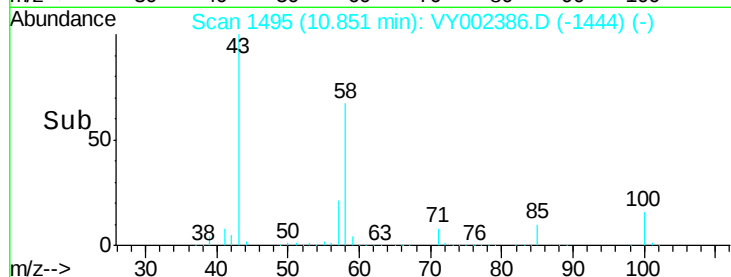
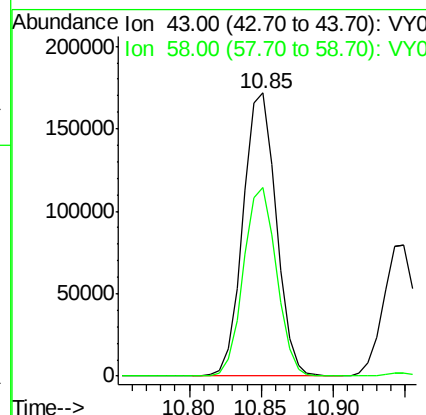
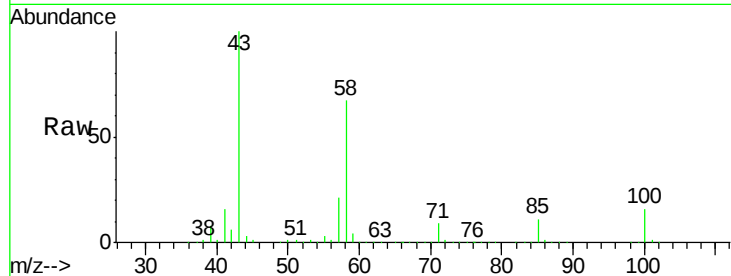
#59
2-Hexanone
Concen: 249.088 ug/l
RT: 10.85 min Scan# 1495
Delta R.T. 0.01 min
Lab File: VY002386.D
Acq: 17 Apr 2020 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 274445
Ion Ratio Lower Upper
43 100
58 66.2 29.8 89.3

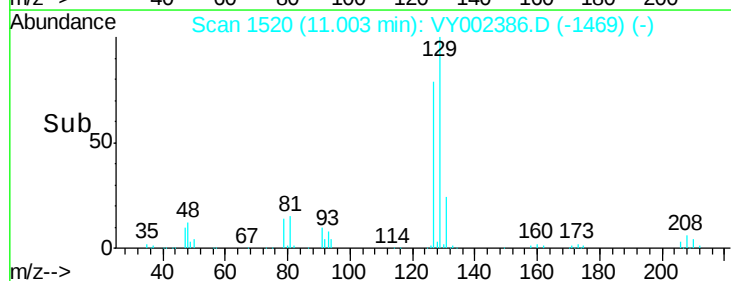
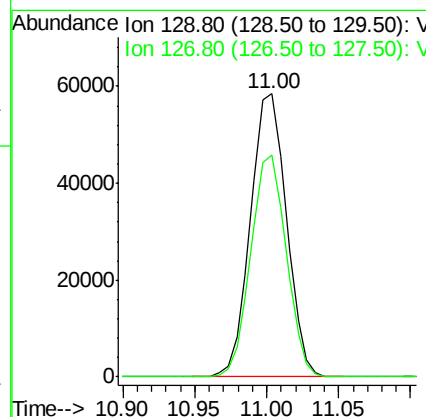
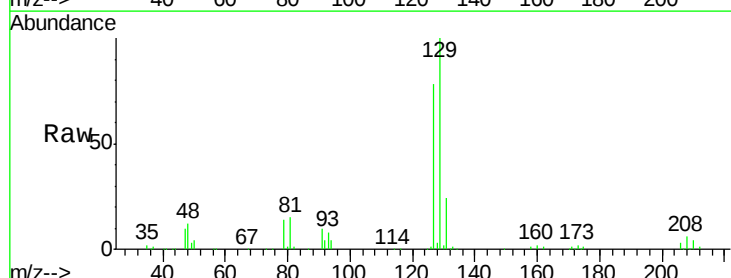
Manual Integrations
APPROVED

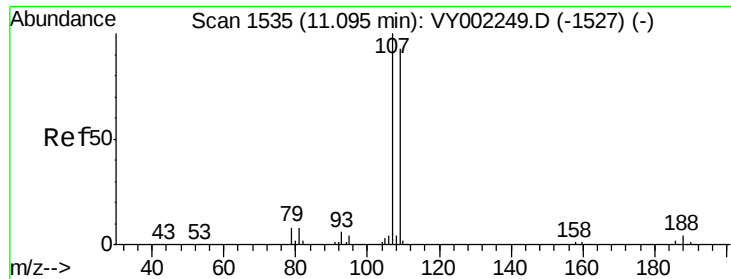
MMDadoda
4/20/2020 11:41:31 AM



#60
Dibromochloromethane
Concen: 56.329 ug/l
RT: 11.00 min Scan# 1520
Delta R.T. 0.01 min
Lab File: VY002386.D
Acq: 17 Apr 2020 10:08

Tgt Ion: 129 Resp: 101210
Ion Ratio Lower Upper
129 100
127 77.2 39.0 117.0





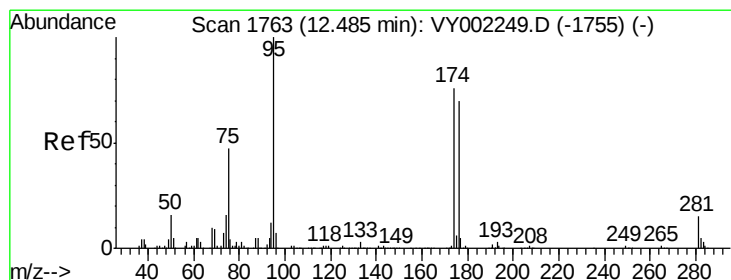
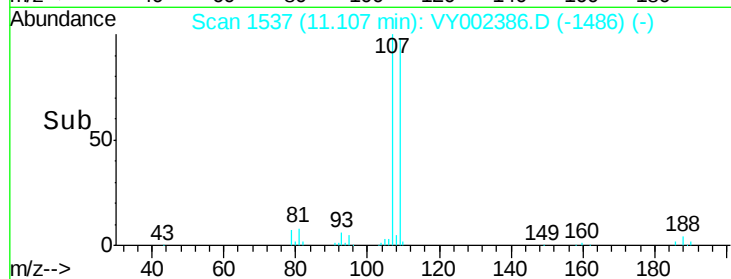
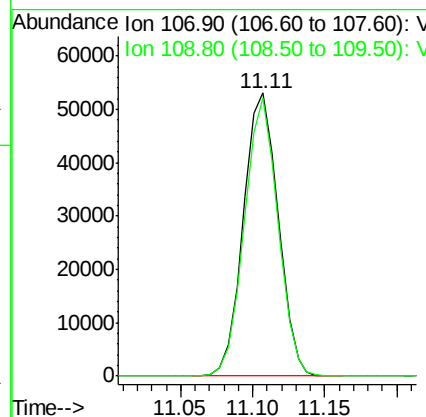
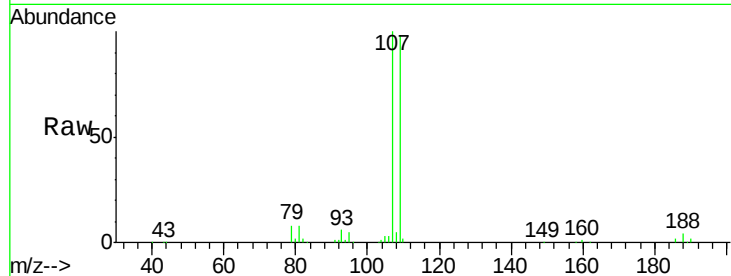
#61
 1,2-Dibromoethane
 Concen: 55.317 ug/l
 RT: 11.11 min Scan# 1537
 Delta R.T. 0.01 min
 Lab File: VY002386.D
 Acq: 17 Apr 2020 10:08

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.9	75.6	113.4

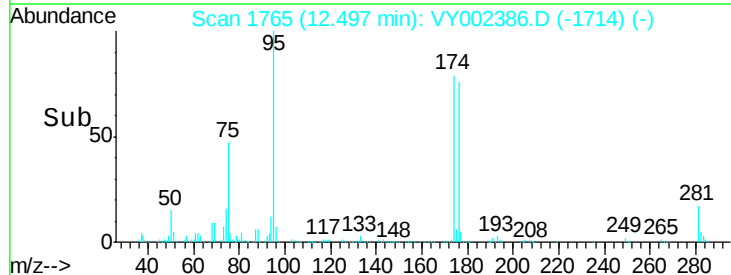
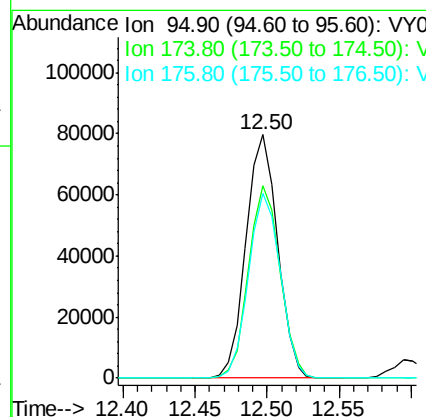
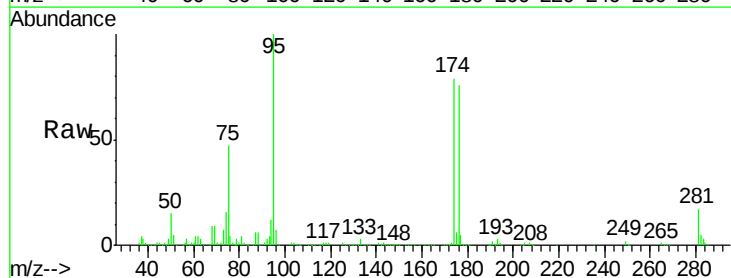
Manual Integrations
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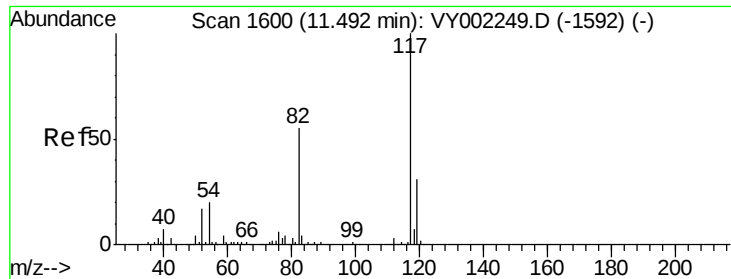
MMDadoda
 4/20/2020 11:41:31 AM



#62
 4-Bromofluorobenzene
 Concen: 49.642 ug/l
 RT: 12.50 min Scan# 1765
 Delta R.T. 0.01 min
 Lab File: VY002386.D
 Acq: 17 Apr 2020 10:08

Tgt Ion	Ratio	Lower	Upper
95	100		
174	78.7	0.0	150.6
176	76.2	0.0	141.4





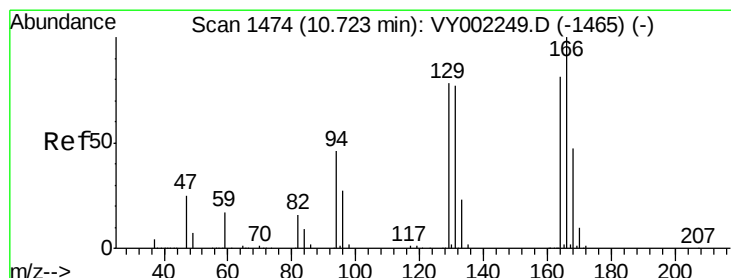
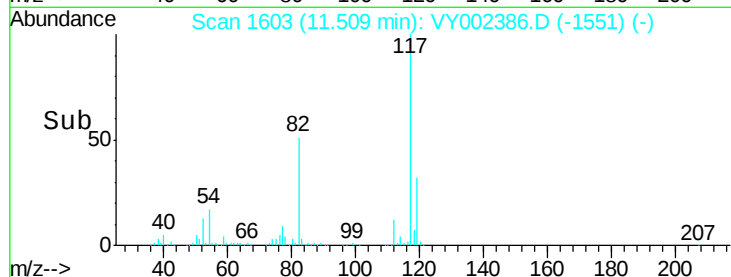
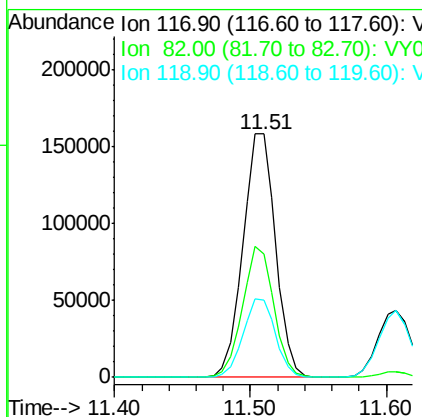
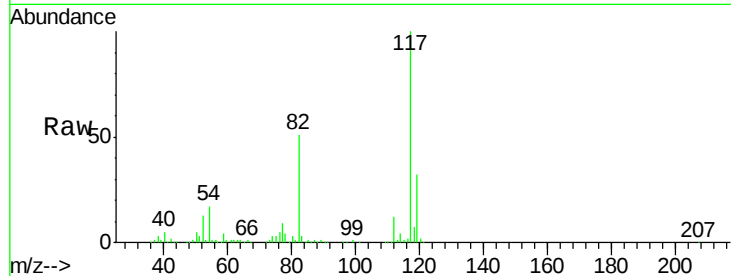
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.51 min Scan# 1603
Delta R.T. 0.02 min
Lab File: VY002386.D
Acq: 17 Apr 2020 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	265252		
82	50.8		44.2	66.4
119	31.7		25.1	37.7

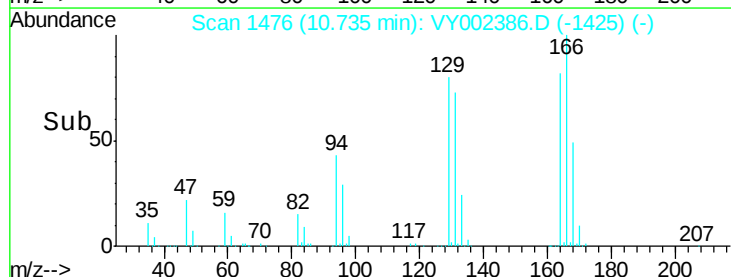
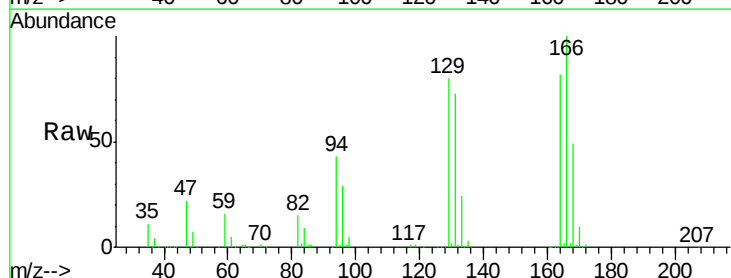
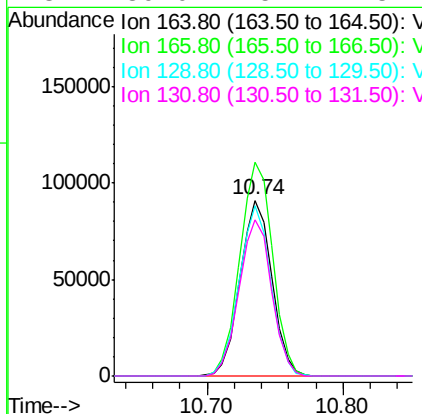
Manual Integrations
APPROVED

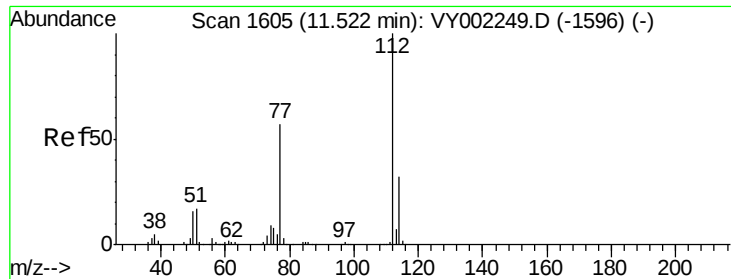
MMDadoda
4/20/2020 11:41:31 AM



#64
Tetrachloroethene
Concen: 55.514 ug/l
RT: 10.74 min Scan# 1476
Delta R.T. 0.01 min
Lab File: VY002386.D
Acq: 17 Apr 2020 10:08

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	148875		
166	121.6		98.4	147.6
129	96.8		76.6	115.0
131	89.0		75.4	113.2





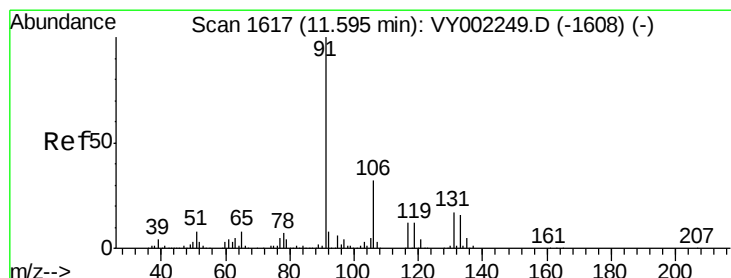
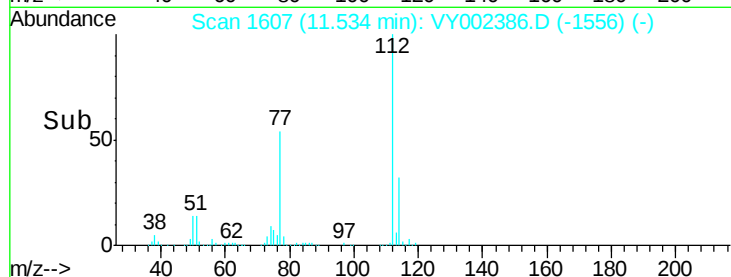
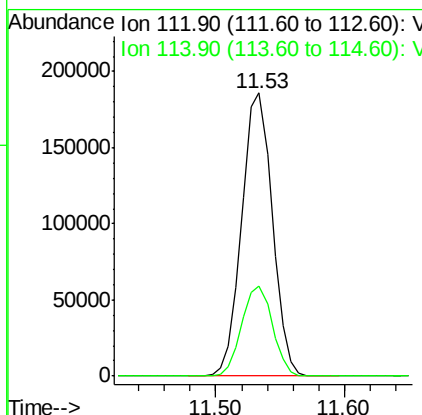
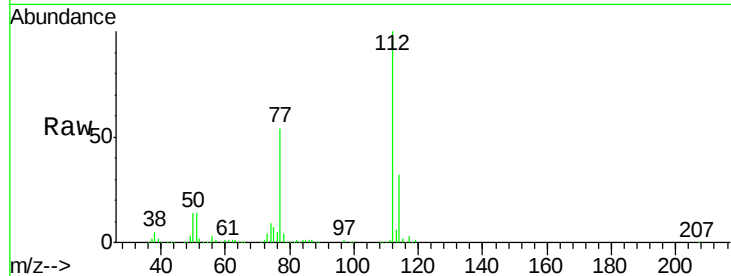
#65
Chlorobenzene
Concen: 55.298 ug/l
RT: 11.53 min Scan# 1607
Delta R.T. 0.01 min
Lab File: VY002386.D
Acq: 17 Apr 2020 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.6	38.4

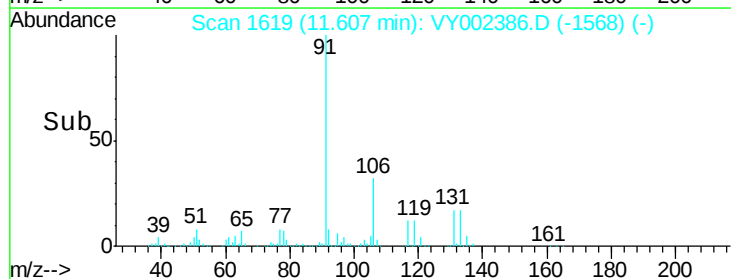
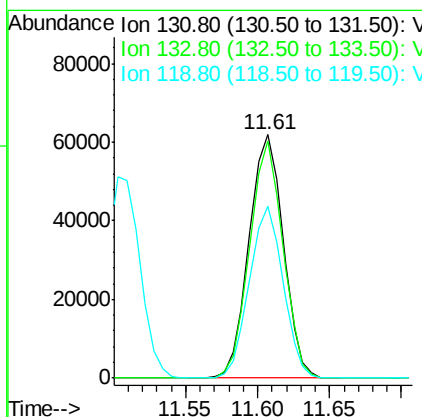
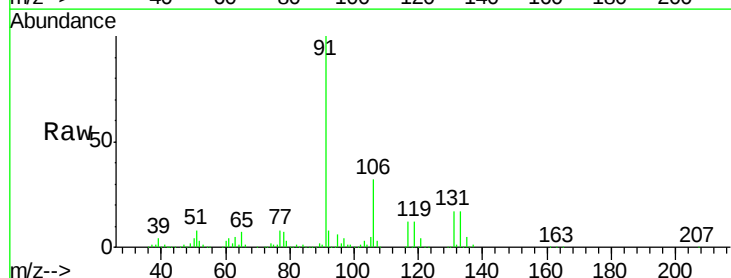
Manual Integrations
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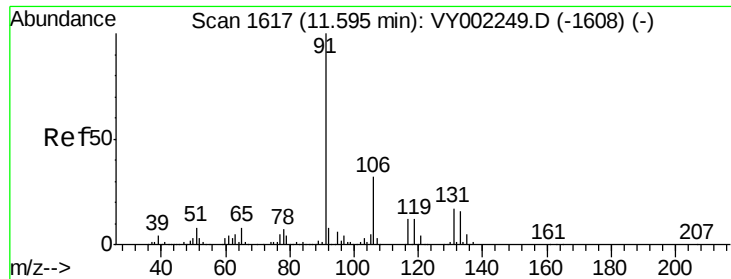
MMDadoda
4/20/2020 11:41:31 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 55.797 ug/l
RT: 11.61 min Scan# 1619
Delta R.T. 0.01 min
Lab File: VY002386.D
Acq: 17 Apr 2020 10:08

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.9	46.5	139.3
119	69.7	34.5	103.6





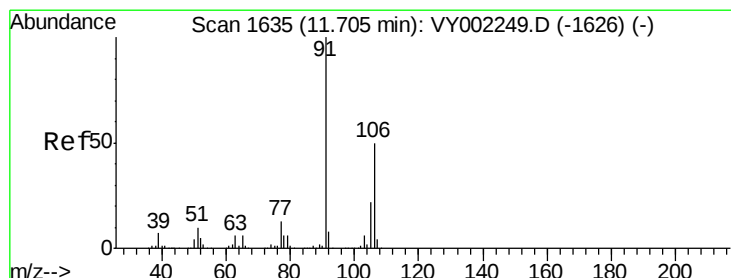
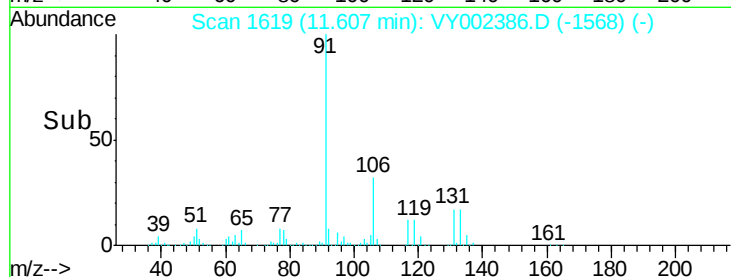
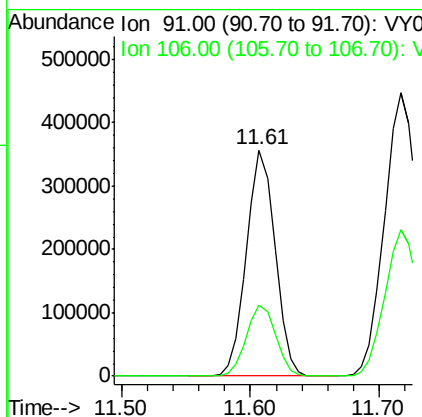
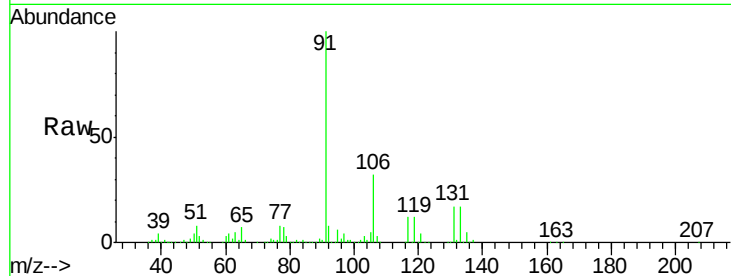
#67
Ethyl Benzene
Concen: 54.332 ug/l
RT: 11.61 min Scan# 1619
Delta R.T. 0.01 min
Lab File: VY002386.D
Acq: 17 Apr 2020 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 548430
Ion Ratio Lower Upper
91 100
106 31.6 25.4 38.0

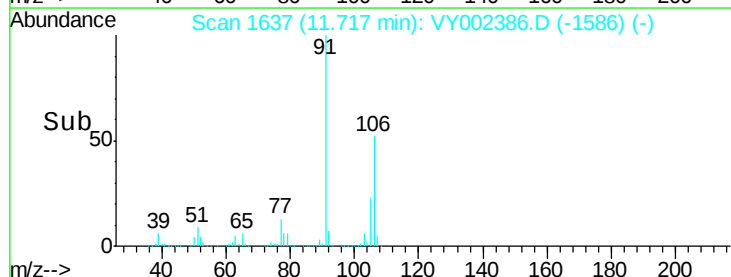
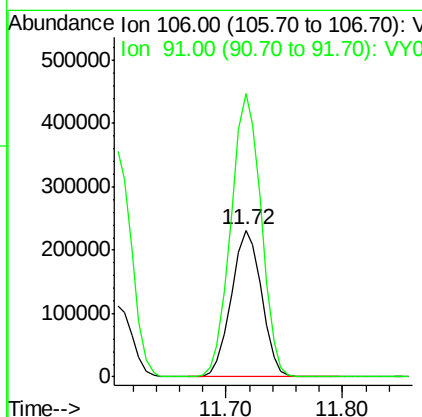
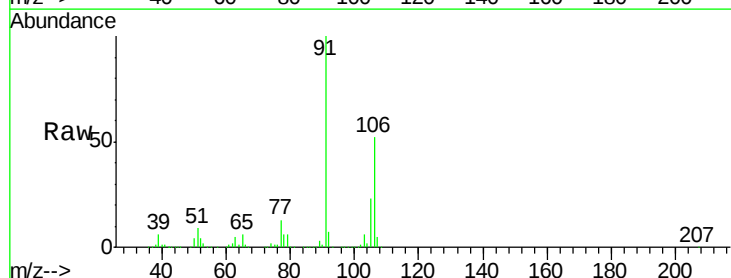
Manual Integrations
APPROVED

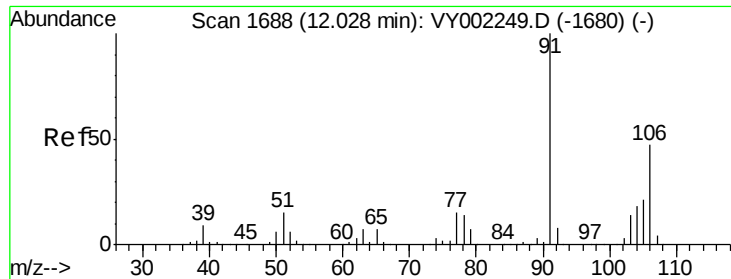
MMDadoda
4/20/2020 11:41:31 AM



#68
m/p-Xylenes
Concen: 110.608 ug/l
RT: 11.72 min Scan# 1637
Delta R.T. 0.01 min
Lab File: VY002386.D
Acq: 17 Apr 2020 10:08

Tgt Ion: 106 Resp: 418173
Ion Ratio Lower Upper
106 100
91 192.9 159.8 239.6





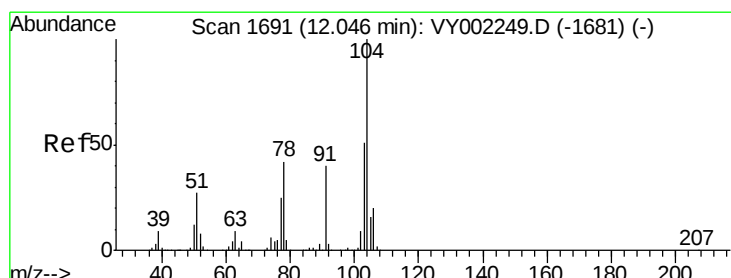
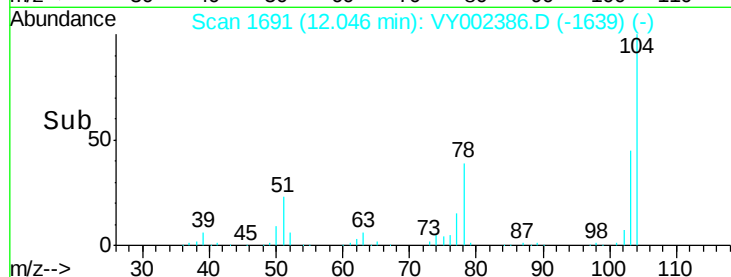
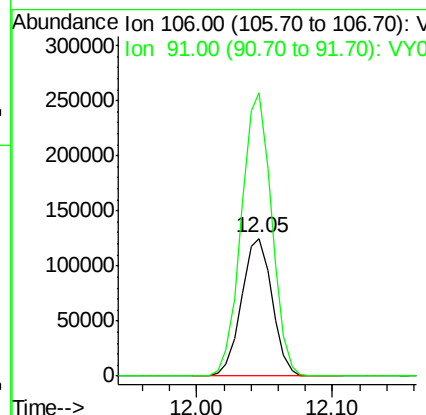
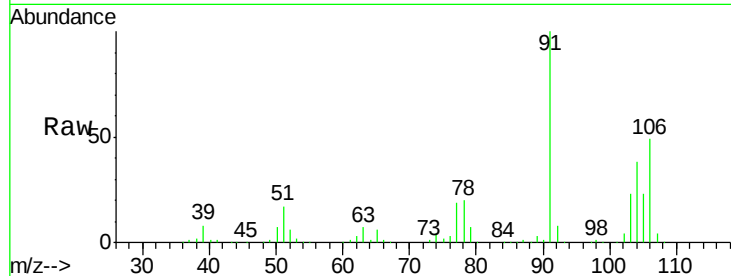
#69
o-Xylene
Concen: 55.170 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. 0.02 min
Lab File: VY002386.D
Acq: 17 Apr 2020 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 195821
Ion Ratio Lower Upper
106 100
91 203.9 105.8 317.3

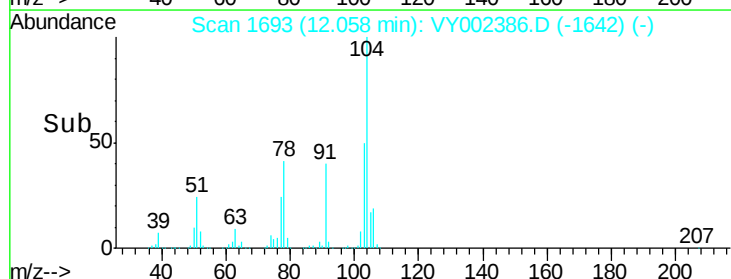
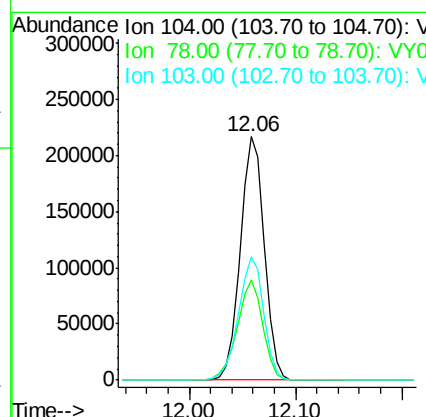
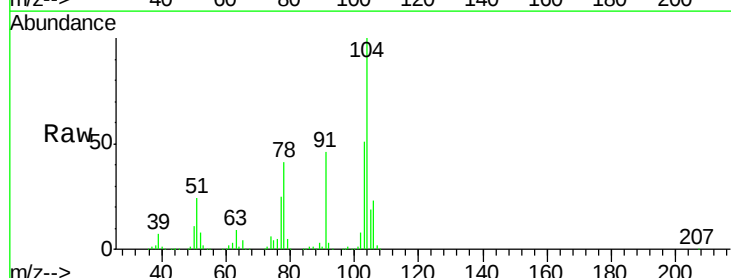
Manual Integrations
APPROVED

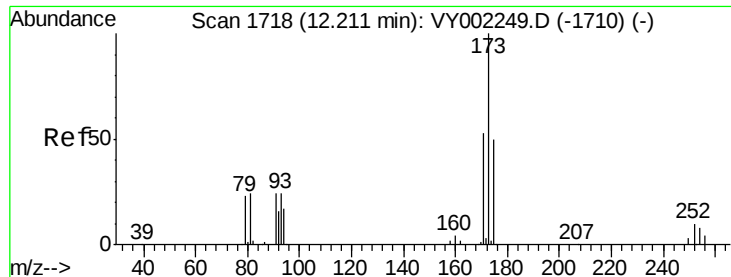
MMDadoda
4/20/2020 11:41:31 AM



#70
Styrene
Concen: 55.665 ug/l
RT: 12.06 min Scan# 1693
Delta R.T. 0.01 min
Lab File: VY002386.D
Acq: 17 Apr 2020 10:08

Tgt Ion:104 Resp: 342787
Ion Ratio Lower Upper
104 100
78 43.8 37.2 55.8
103 53.3 43.4 65.0





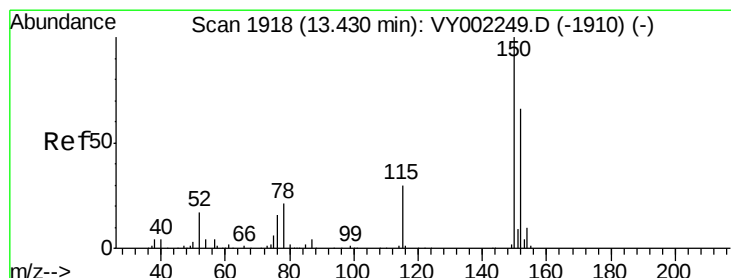
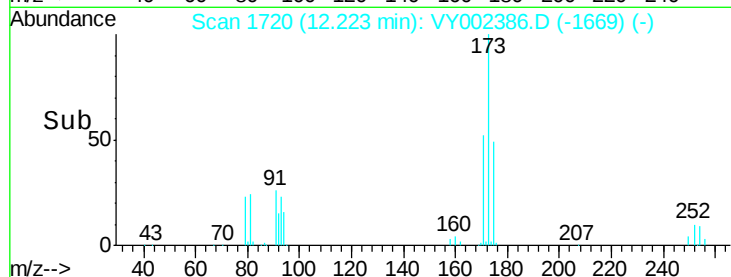
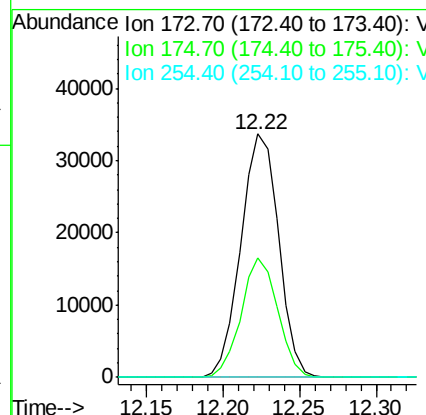
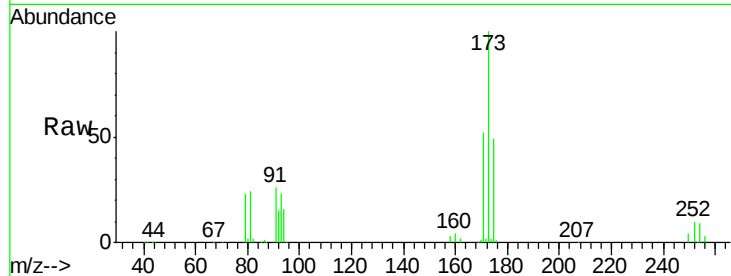
#71
Bromoform
Concen: 58.277 ug/l
RT: 12.22 min Scan# 1720
Delta R.T. 0.01 min
Lab File: VY002386.D
Acq: 17 Apr 2020 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.8	24.1	72.3
254	0.0	0.0	0.0

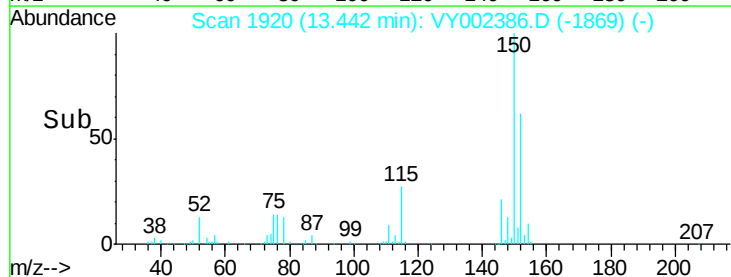
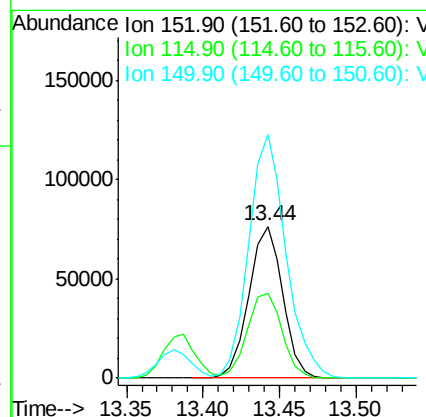
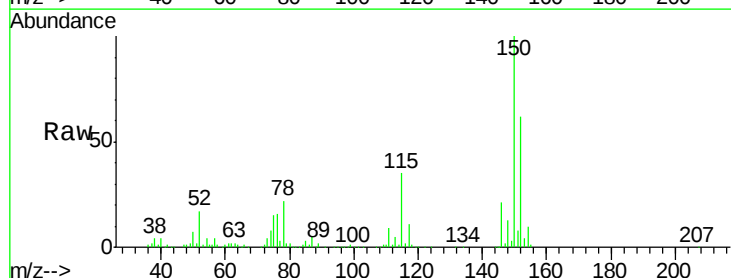
Manual Integrations
APPROVED

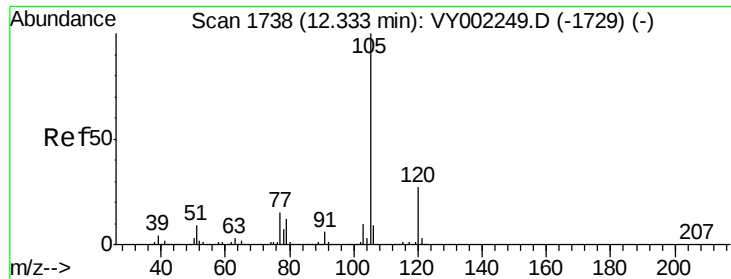
MMDadoda
4/20/2020 11:41:31 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1920
Delta R.T. 0.01 min
Lab File: VY002386.D
Acq: 17 Apr 2020 10:08

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.4	30.7	92.1
150	177.4	0.0	350.6





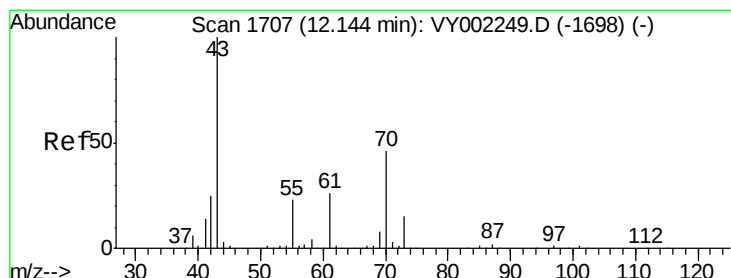
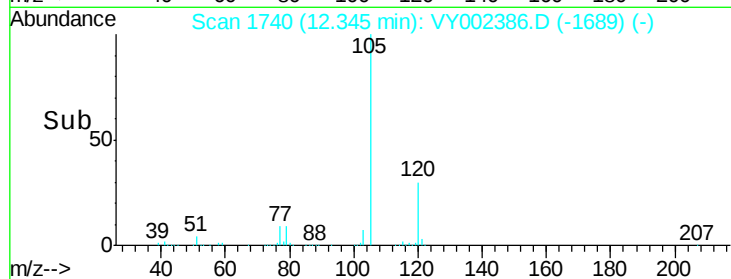
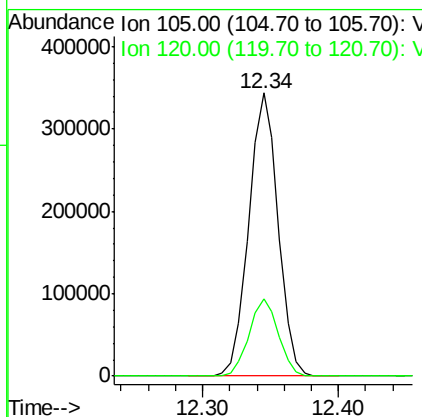
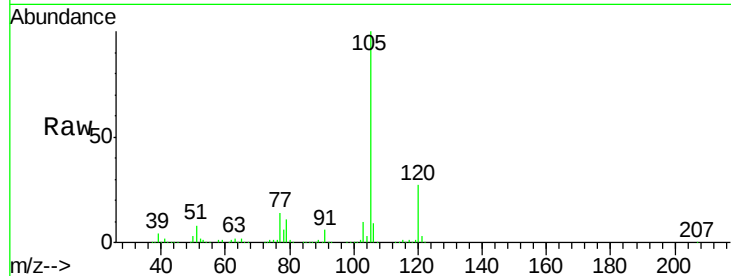
#73
Isopropylbenzene
Concen: 56.155 ug/l
RT: 12.34 min Scan# 1740
Delta R.T. 0.01 min
Lab File: VY002386.D
Acq: 17 Apr 2020 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
105	100	517586		
120	27.3	13.3	39.8	

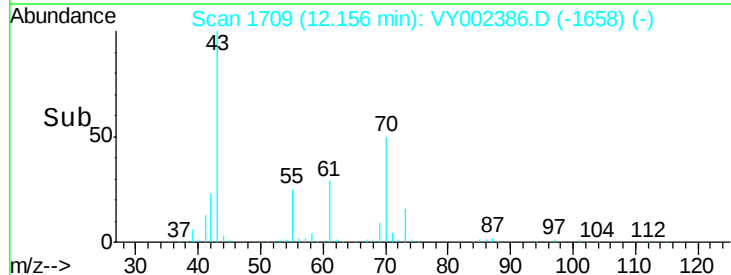
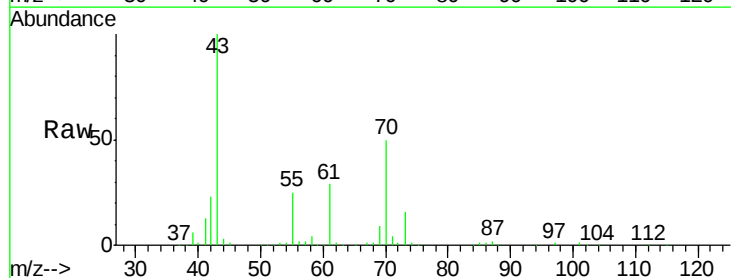
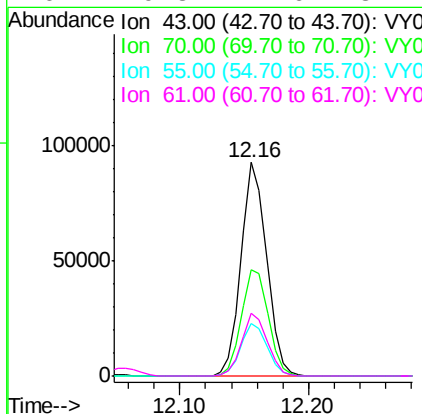
Manual Integrations
APPROVED

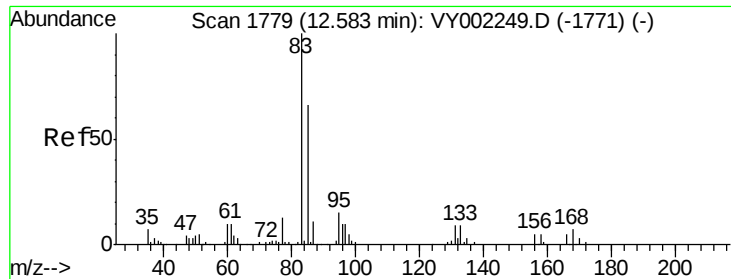
MMDadoda
4/20/2020 11:41:31 AM



#74
N-ethyl acetate
Concen: 48.653 ug/l
RT: 12.16 min Scan# 1709
Delta R.T. 0.01 min
Lab File: VY002386.D
Acq: 17 Apr 2020 10:08

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	127294		
70	52.3	37.5	56.3	
55	25.5	19.0	28.6	
61	29.3	21.6	32.4	





#75

1,1,2,2-Tetrachloroethane

Concen: 62.806 ug/l

RT: 12.60 min Scan# 1782

Delta R.T. 0.02 min

Lab File: VY002386.D

Acq: 17 Apr 2020 10:08

Instrument :

MSVOA_Y

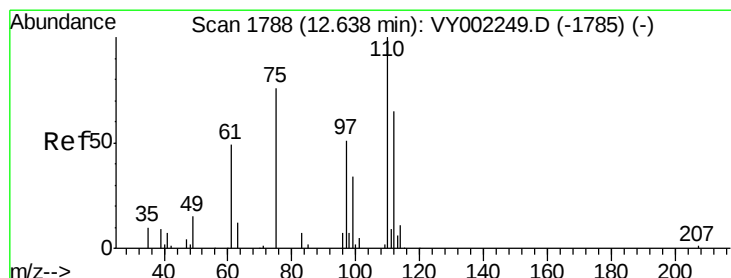
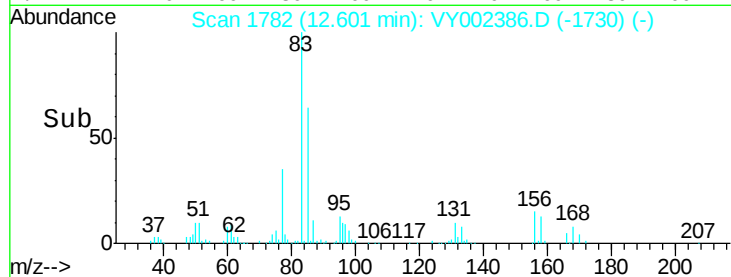
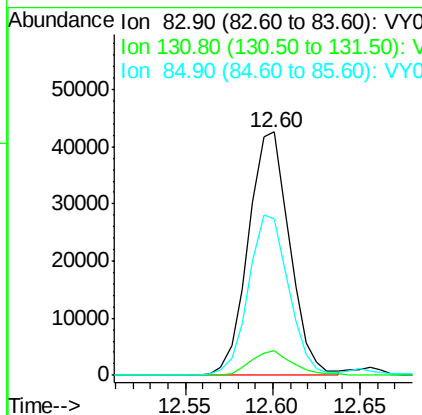
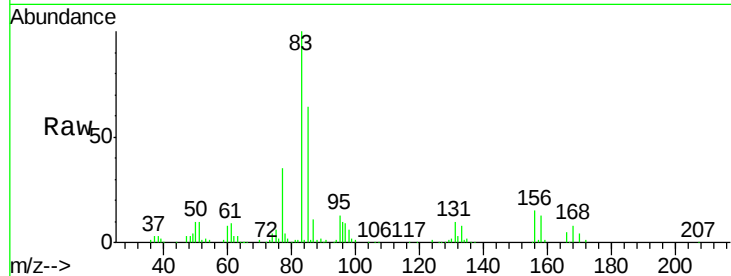
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	70038
Ion Ratio	Lower	Upper	
83	100		
131	10.1	4.9	14.7
85	64.2	32.6	97.8

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#76

1,2,3-Trichloropropane

Concen: 47.766 ug/l m

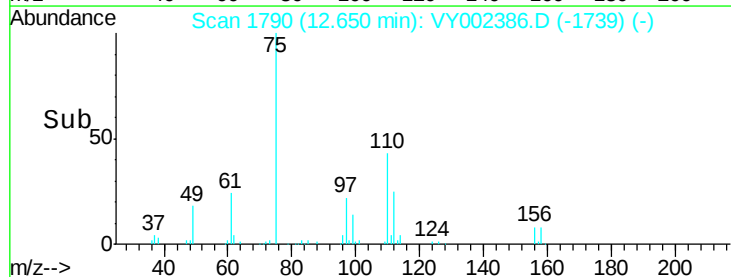
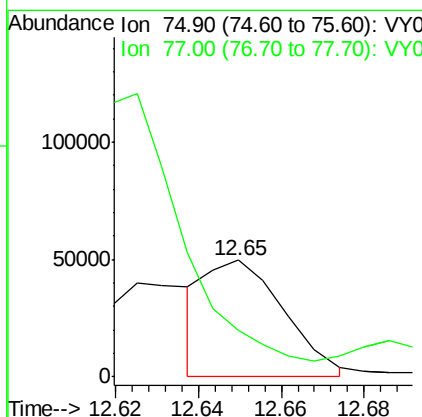
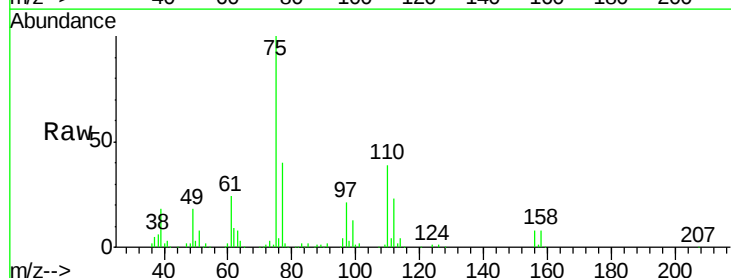
RT: 12.65 min Scan# 1790

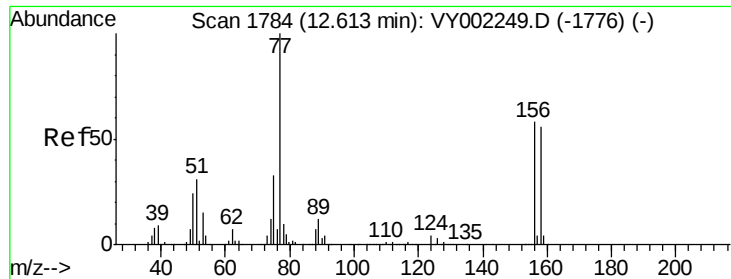
Delta R.T. 0.01 min

Lab File: VY002386.D

Acq: 17 Apr 2020 10:08

Tgt Ion:	75	Resp:	65075
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 57.225 ug/l

RT: 12.63 min Scan# 1786

Delta R.T. 0.01 min

Lab File: VY002386.D

Acq: 17 Apr 2020 10:08

Instrument :

MSVOA_Y

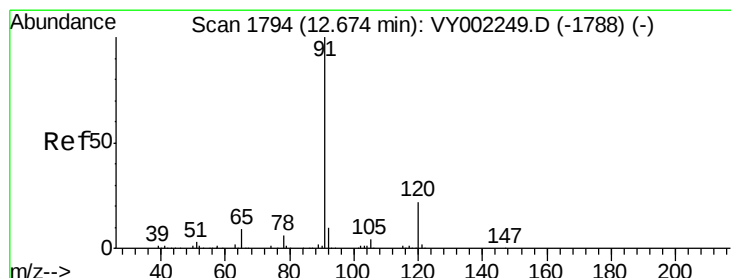
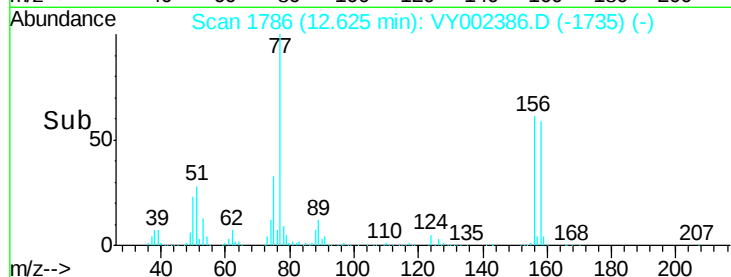
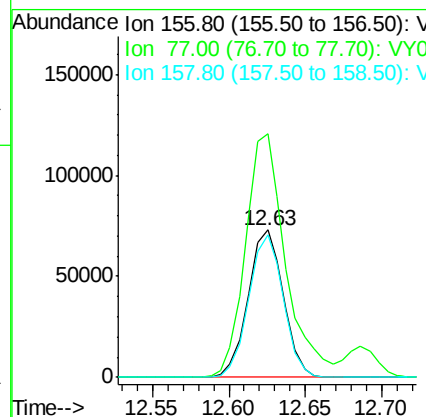
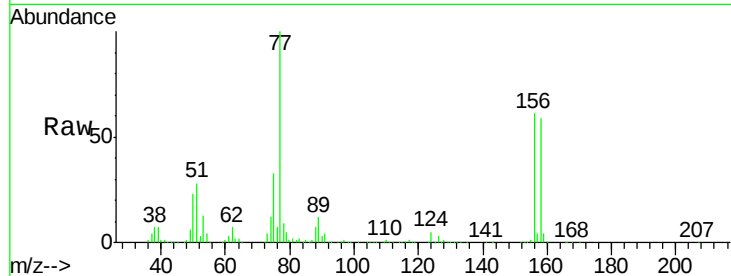
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	188.9	101.3	303.9
158	95.4	48.3	144.8

Manual Integrations
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#78

n-propylbenzene

Concen: 54.824 ug/l

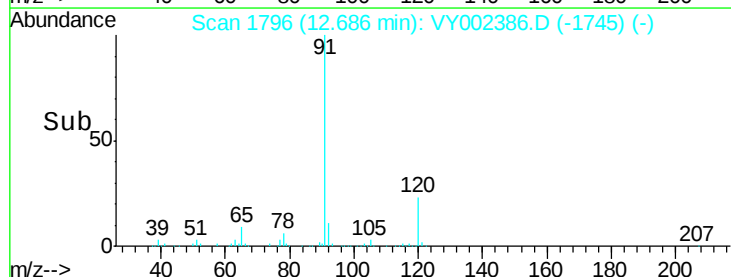
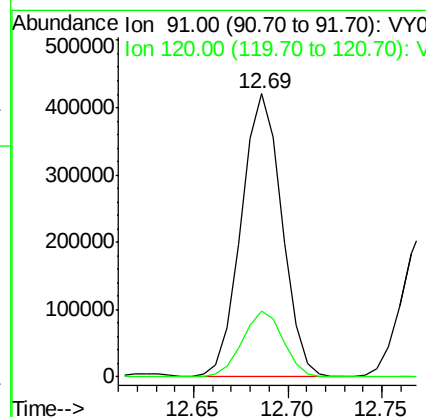
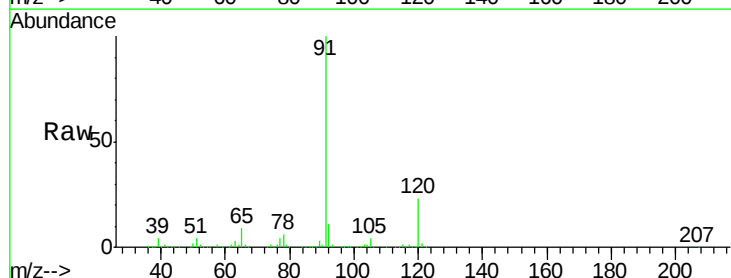
RT: 12.69 min Scan# 1796

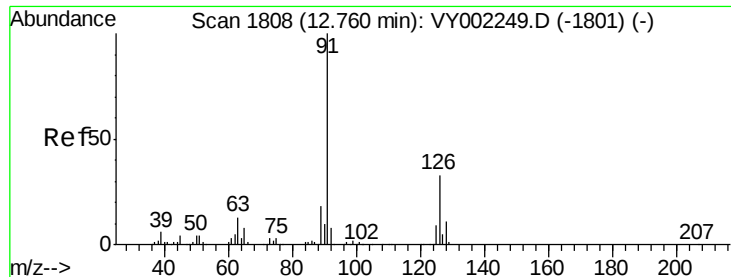
Delta R.T. 0.01 min

Lab File: VY002386.D

Acq: 17 Apr 2020 10:08

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.3	11.2	33.5





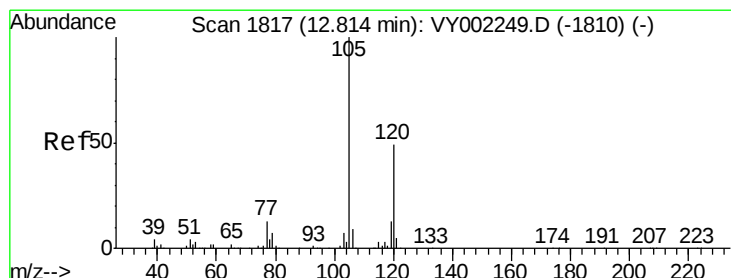
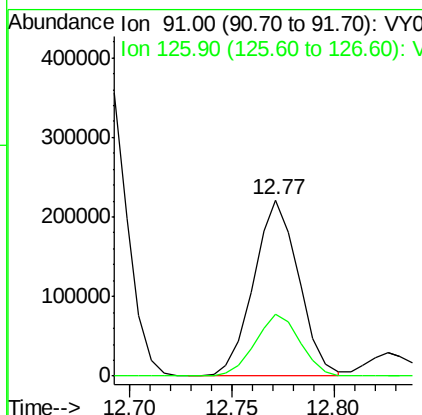
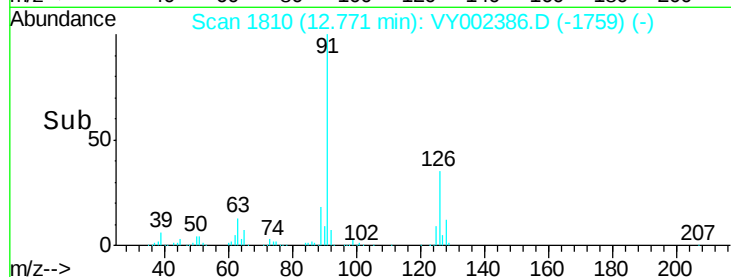
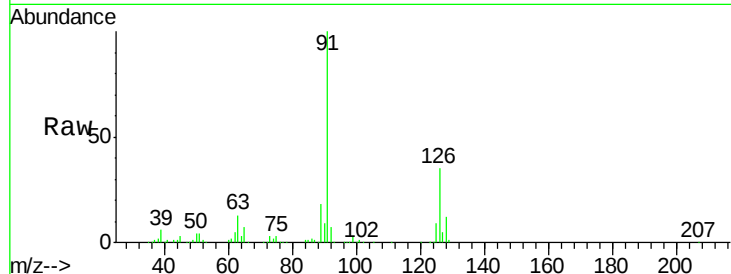
#79
2-Chlorotoluene
Concen: 54.382 ug/l
RT: 12.77 min Scan# 1810
Delta R.T. 0.01 min
Lab File: VY002386.D
Acq: 17 Apr 2020 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 338782
Ion Ratio Lower Upper
91 100
126 35.3 16.9 50.7

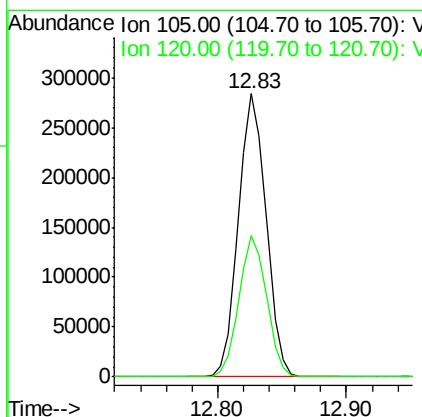
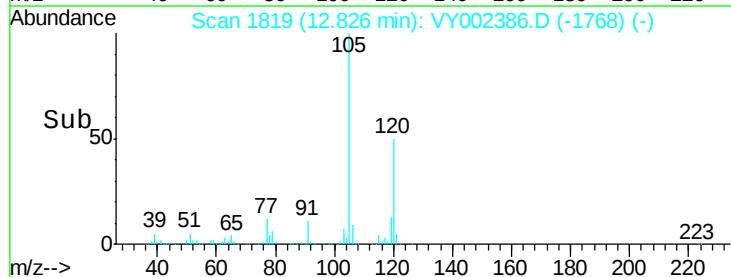
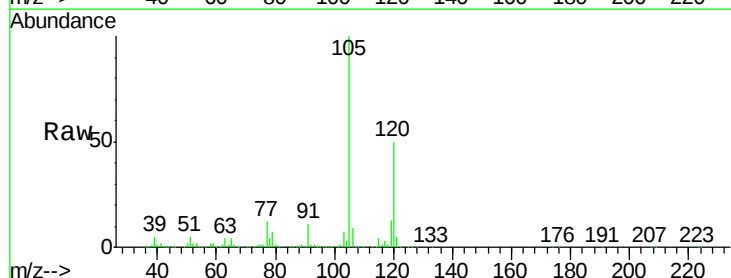
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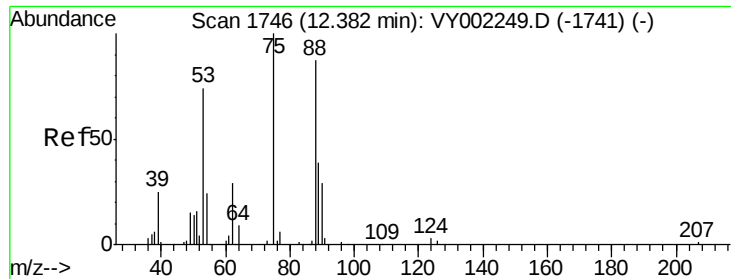
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#80
1,3,5-Trimethylbenzene
Concen: 55.475 ug/l
RT: 12.83 min Scan# 1819
Delta R.T. 0.01 min
Lab File: VY002386.D
Acq: 17 Apr 2020 10:08

Tgt Ion: 105 Resp: 422872
Ion Ratio Lower Upper
105 100
120 49.8 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 56.315 ug/l

RT: 12.39 min Scan# 1748

Delta R.T. 0.01 min

Lab File: VY002386.D

Acq: 17 Apr 2020 10:08

Instrument :

MSVOA_Y

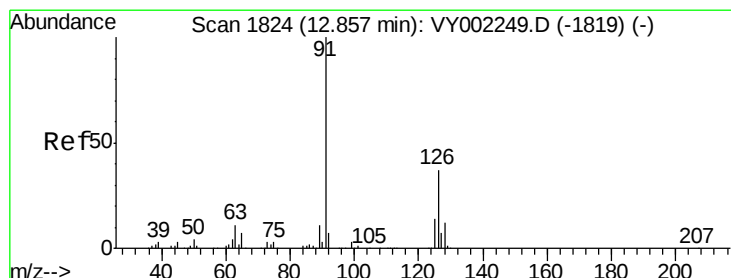
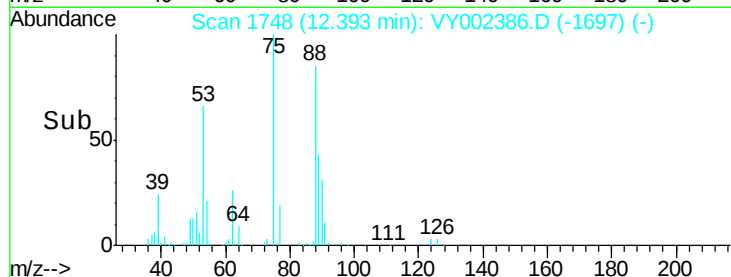
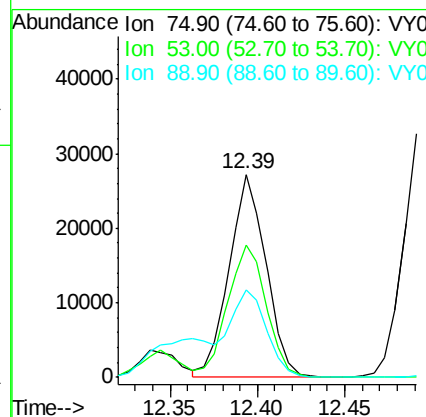
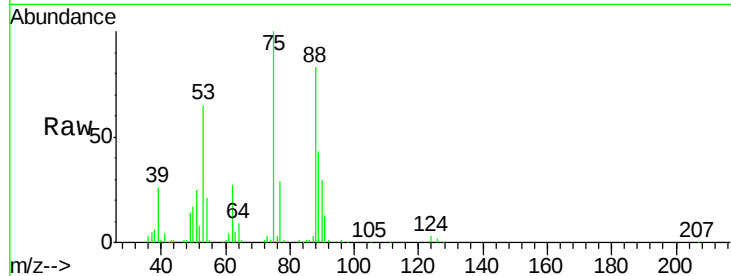
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	39446
Ion Ratio	Lower	Upper	
75	100		
53	69.2	59.8	89.8
89	43.2	37.0	55.6

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#82

4-Chlorotoluene

Concen: 52.852 ug/l

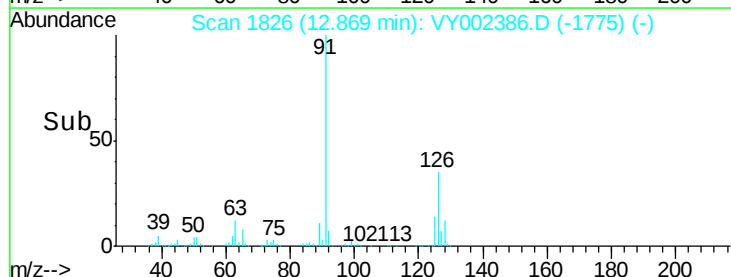
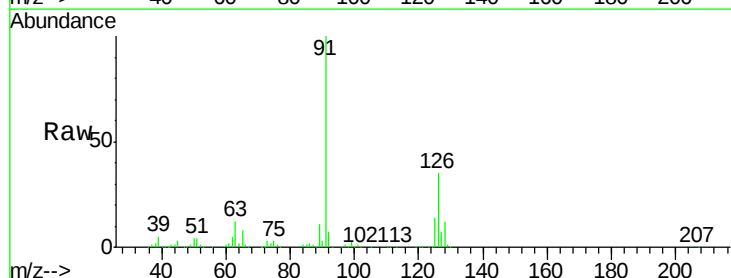
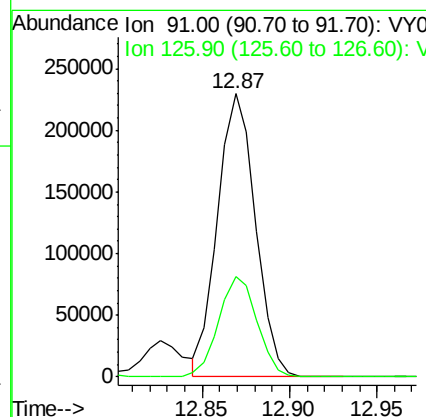
RT: 12.87 min Scan# 1826

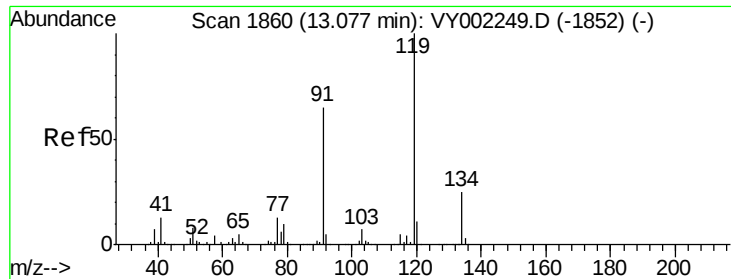
Delta R.T. 0.01 min

Lab File: VY002386.D

Acq: 17 Apr 2020 10:08

Tgt Ion:	91	Resp:	345092
Ion Ratio	Lower	Upper	
91	100		
126	36.0	16.9	50.7





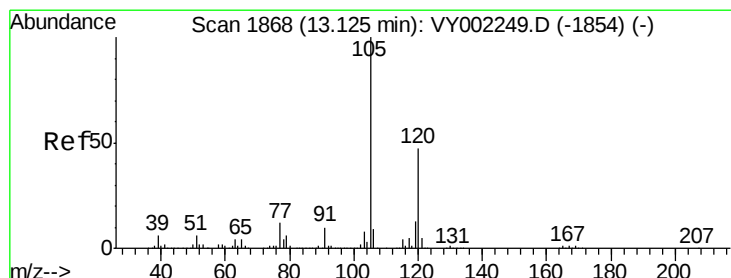
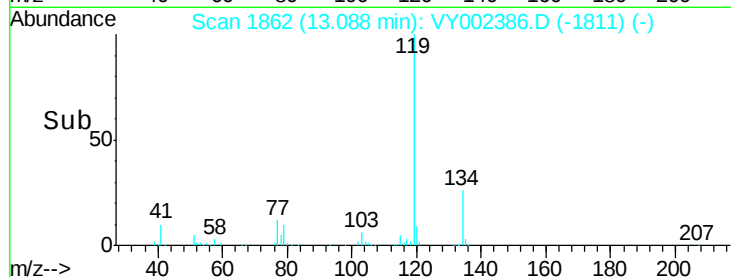
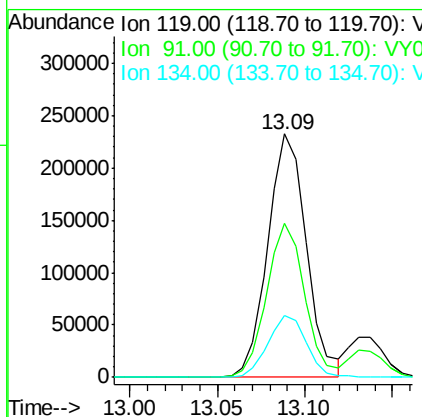
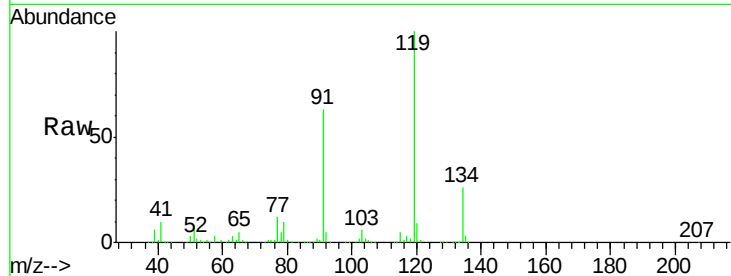
#83
tert-Butylbenzene
Concen: 56.096 ug/l
RT: 13.09 min Scan# 1862
Delta R.T. 0.01 min
Lab File: VY002386.D
Acq: 17 Apr 2020 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	358171		
91	62.5	32.4	97.0	
134	25.6	12.6	37.6	

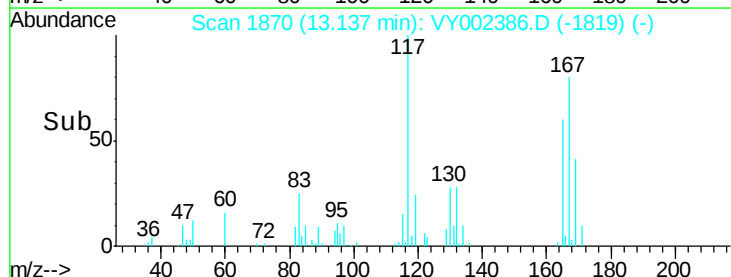
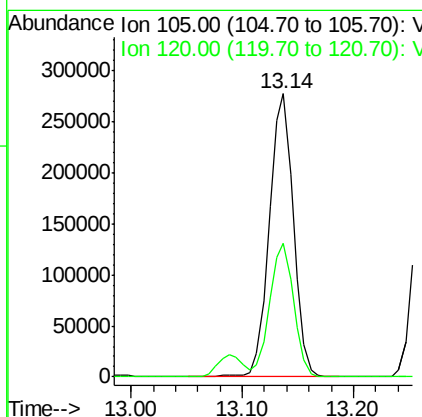
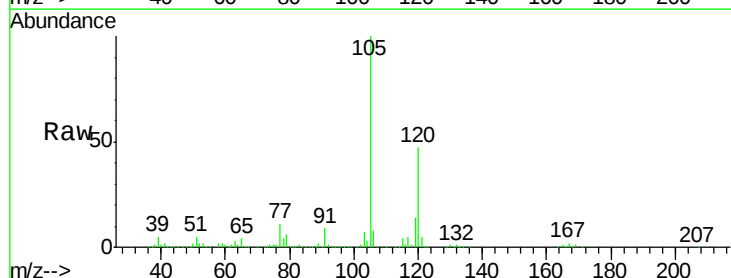
Manual Integrations
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4/20/2020 11:41:31 AM



#84
1,2,4-Trimethylbenzene
Concen: 54.923 ug/l
RT: 13.14 min Scan# 1870
Delta R.T. 0.01 min
Lab File: VY002386.D
Acq: 17 Apr 2020 10:08

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	418068		
120	47.1	23.1	69.2	





#85

sec-Butylbenzene

Concen: 55.273 ug/l

RT: 13.27 min Scan# 1891

Delta R.T. 0.01 min

Lab File: VY002386.D

Acq: 17 Apr 2020 10:08

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 525733

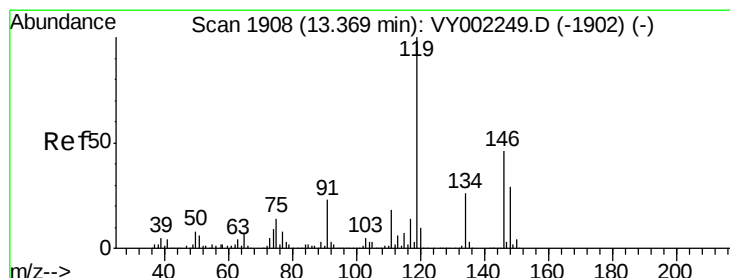
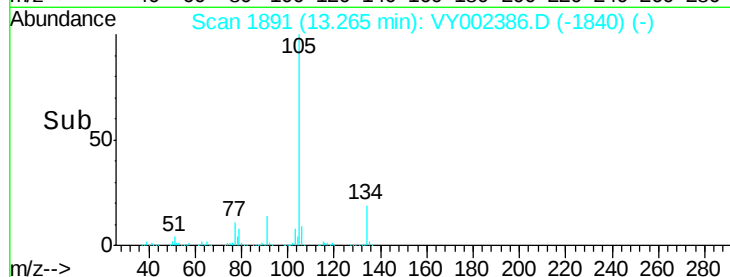
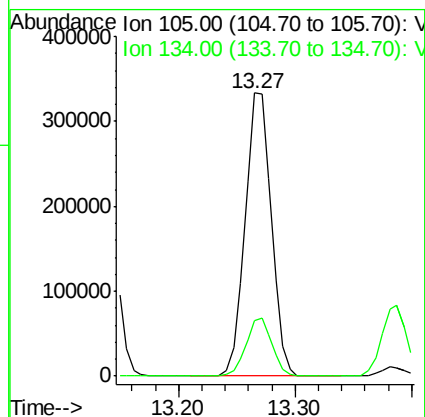
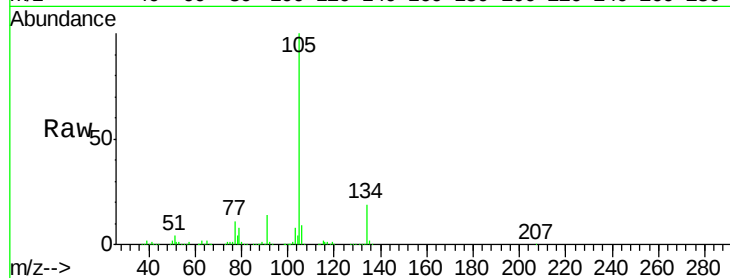
Ion Ratio Lower Upper

105 100

134 20.0 9.8 29.3

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#86

p-Isopropyltoluene

Concen: 55.567 ug/l

RT: 13.39 min Scan# 1911

Delta R.T. 0.02 min

Lab File: VY002386.D

Acq: 17 Apr 2020 10:08

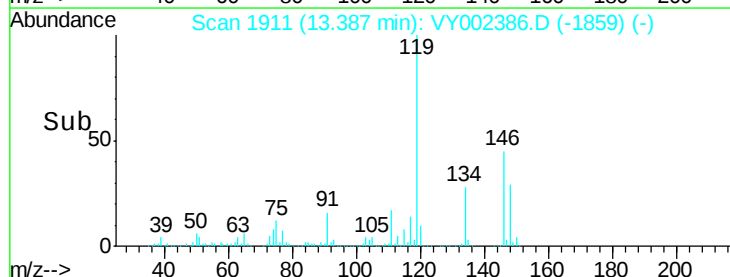
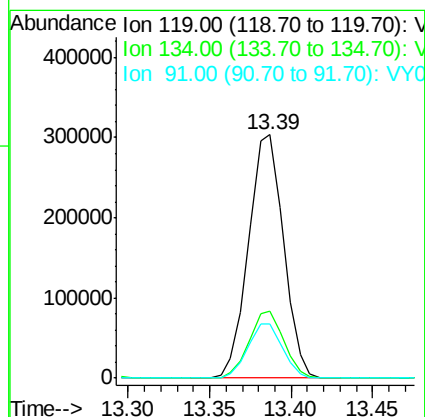
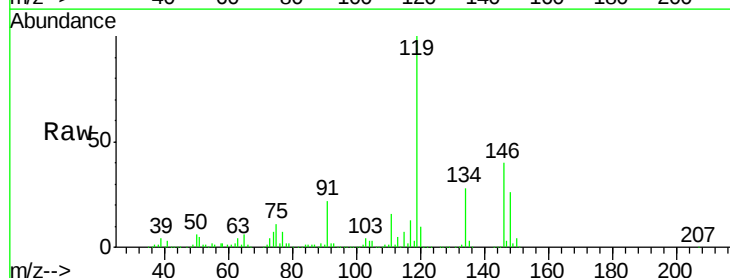
Tgt Ion:119 Resp: 454893

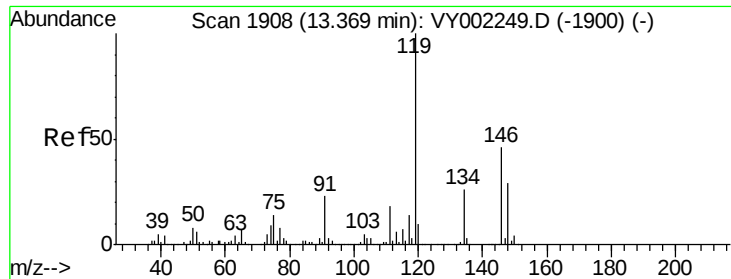
Ion Ratio Lower Upper

119 100

134 27.3 13.3 39.9

91 22.1 11.5 34.4





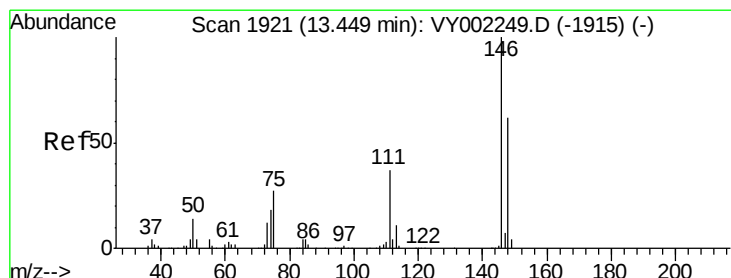
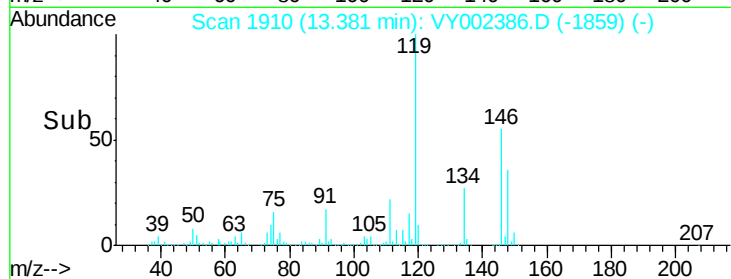
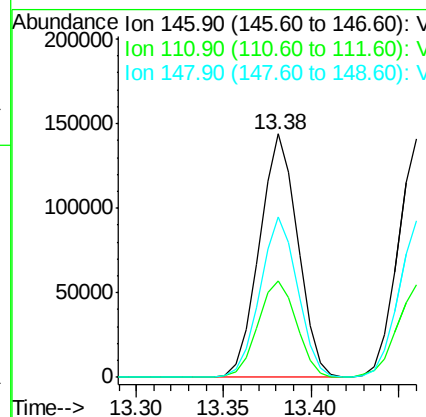
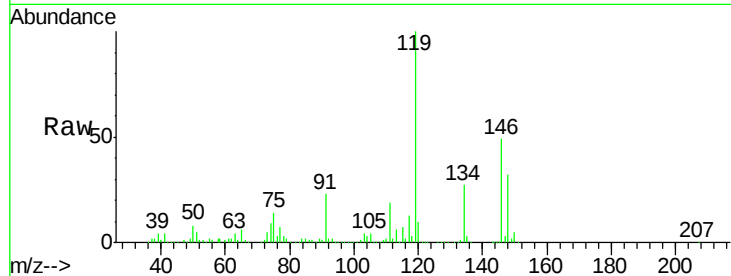
#87
 1,3-Dichlorobenzene
 Concen: 55.688 ug/l
 RT: 13.38 min Scan# 1910
 Delta R.T. 0.01 min
 Lab File: VY002386.D
 Acq: 17 Apr 2020 10:08

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	218853		
111	39.9	20.3	60.8	
148	64.7	32.1	96.3	

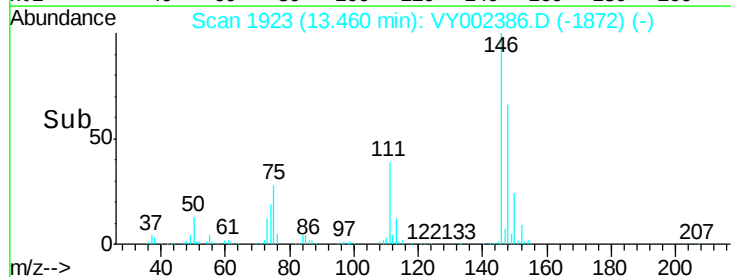
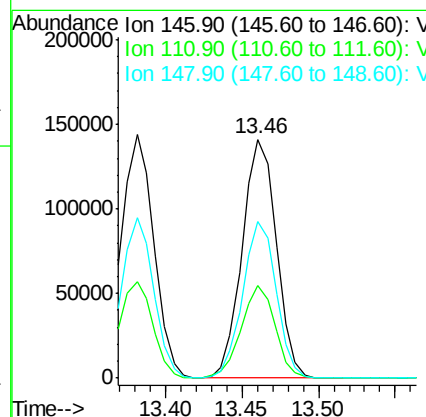
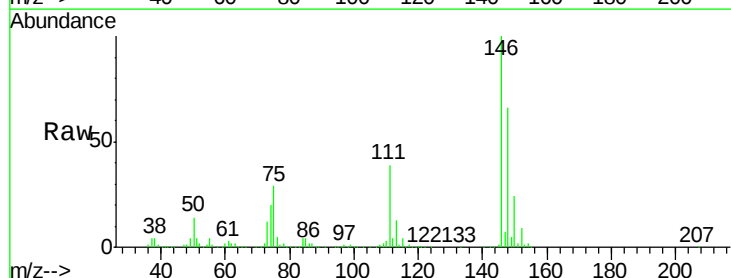
Manual Integrations
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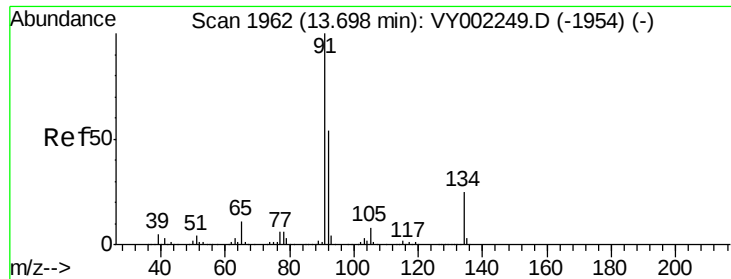
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#88
 1,4-Dichlorobenzene
 Concen: 55.017 ug/l
 RT: 13.46 min Scan# 1923
 Delta R.T. 0.01 min
 Lab File: VY002386.D
 Acq: 17 Apr 2020 10:08

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	219478		
111	38.4	19.6	58.8	
148	64.2	32.0	96.0	





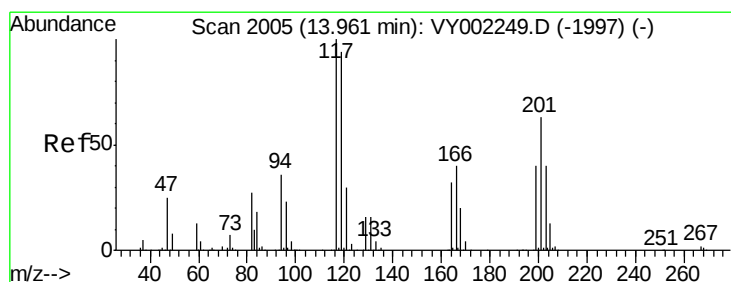
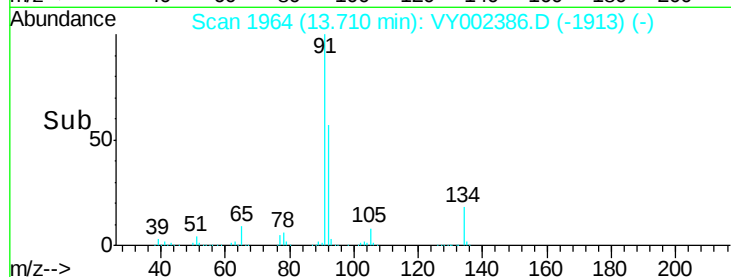
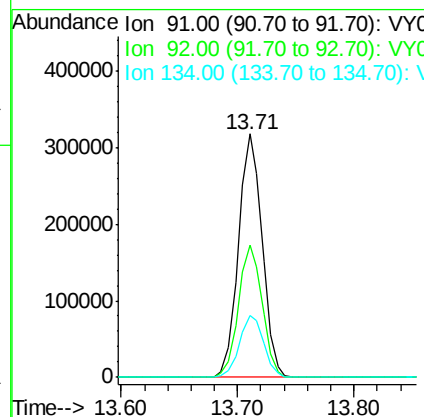
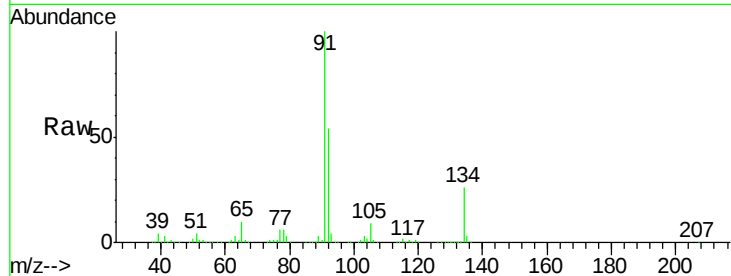
#89
n-Butylbenzene
Concen: 53.813 ug/l
RT: 13.71 min Scan# 1964
Delta R.T. 0.01 min
Lab File: VY002386.D
Acq: 17 Apr 2020 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	54.5	27.2	81.6	
134	26.1	12.7	38.0	

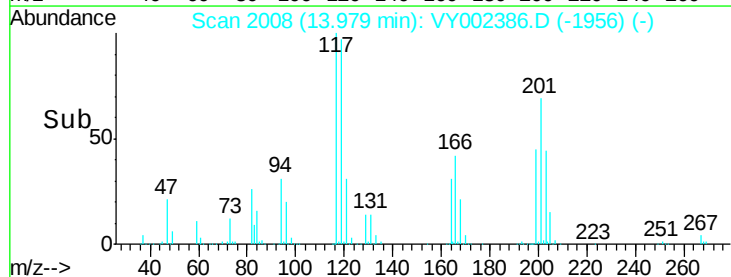
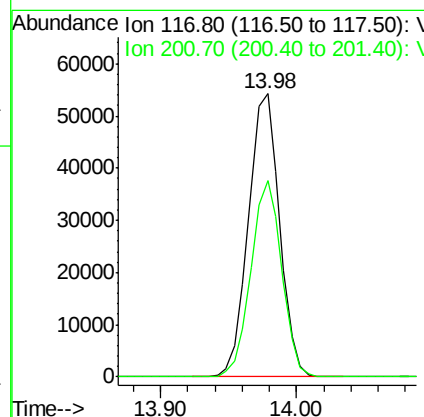
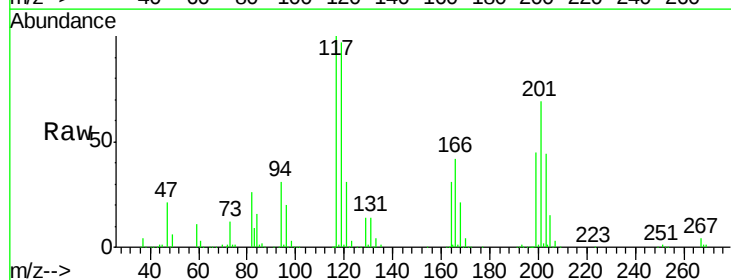
Manual Integrations
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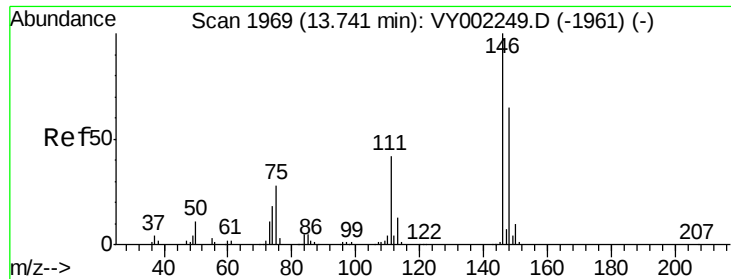
MMDadoda
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#90
Hexachloroethane
Concen: 55.867 ug/l
RT: 13.98 min Scan# 2008
Delta R.T. 0.02 min
Lab File: VY002386.D
Acq: 17 Apr 2020 10:08

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	68.4	33.1	99.2	





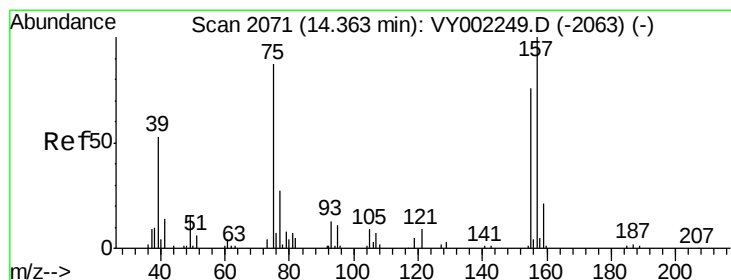
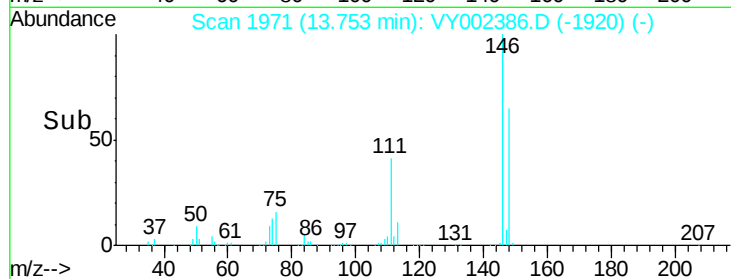
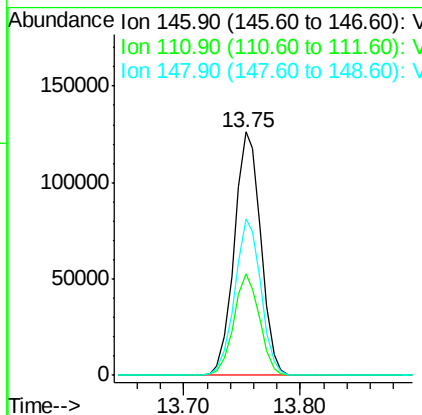
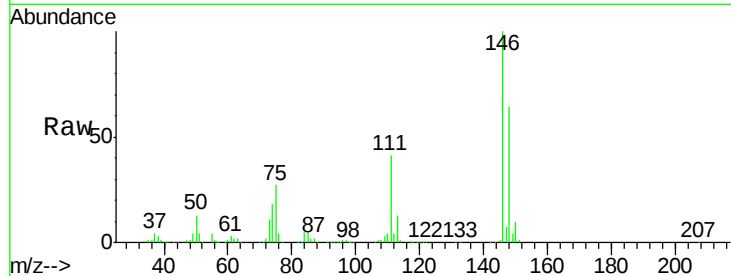
#91
 1,2-Dichlorobenzene
 Concen: 55.847 ug/l
 RT: 13.75 min Scan# 1971
 Delta R.T. 0.01 min
 Lab File: VY002386.D
 Acq: 17 Apr 2020 10:08

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	21.1	63.1
148	63.3	31.9	95.9

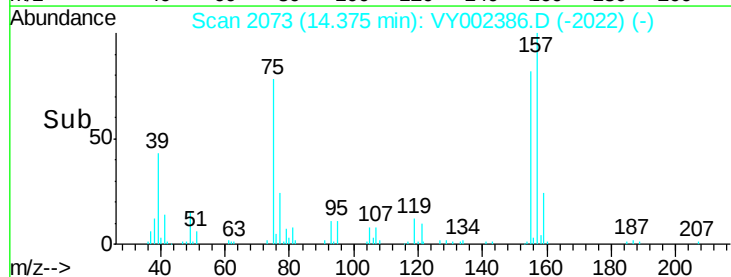
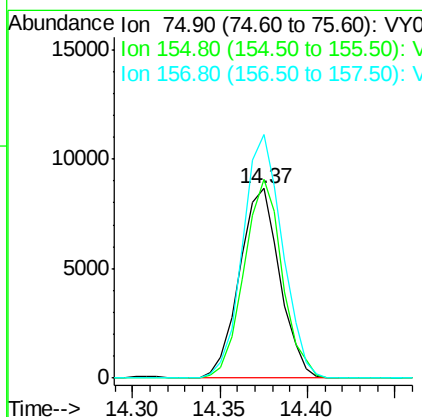
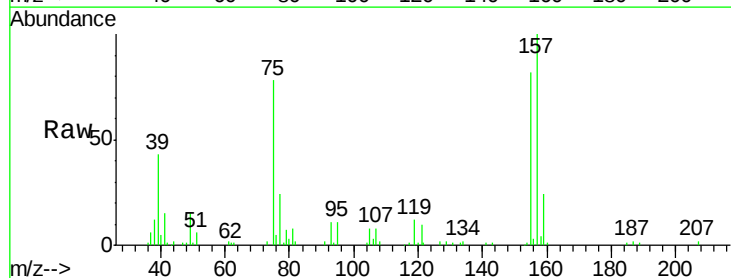
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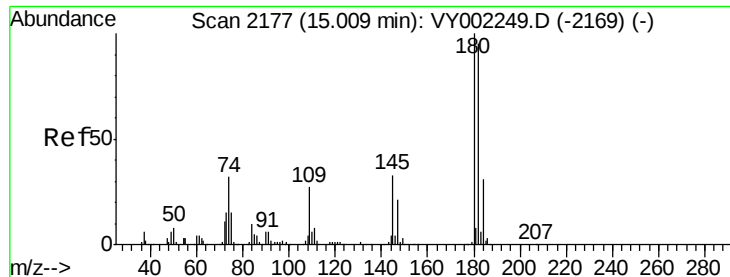
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.290 ug/l
 RT: 14.37 min Scan# 2073
 Delta R.T. 0.01 min
 Lab File: VY002386.D
 Acq: 17 Apr 2020 10:08

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.6	43.6	130.8
157	126.7	56.0	168.2





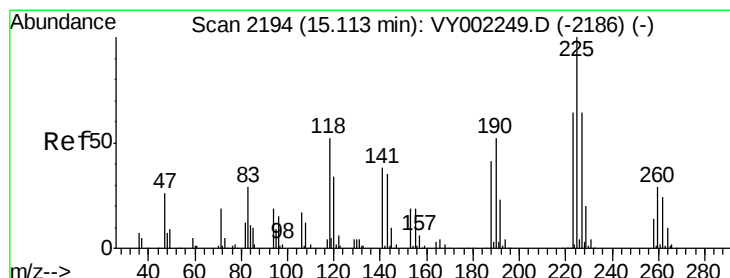
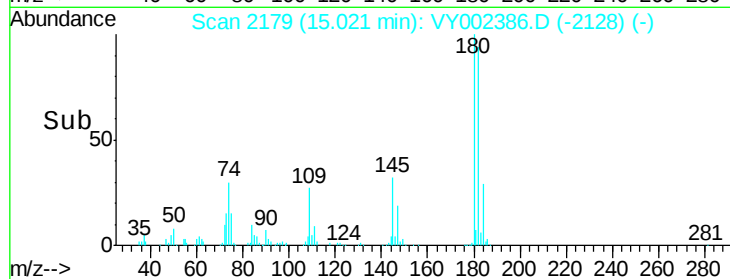
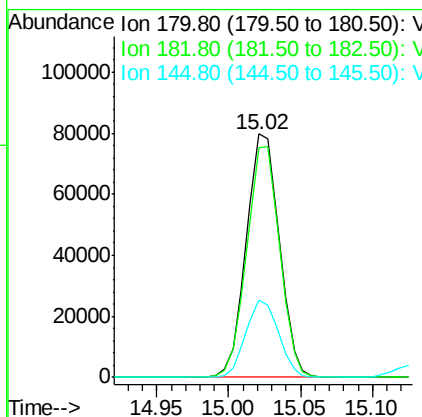
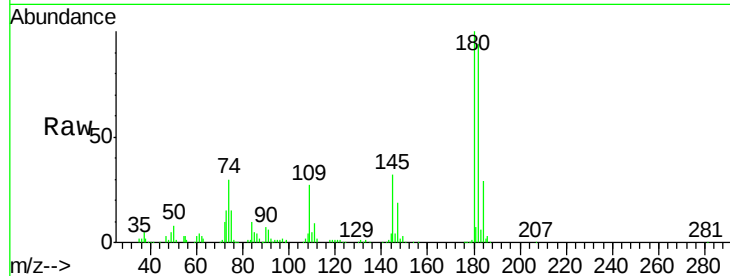
#93
 1,2,4-Trichlorobenzene
 Concen: 54.137 ug/l
 RT: 15.02 min Scan# 2179
 Delta R.T. 0.01 min
 Lab File: VY002386.D
 Acq: 17 Apr 2020 10:08

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	126363		
182	94.5	47.9	143.7	
145	31.4	16.0	48.0	

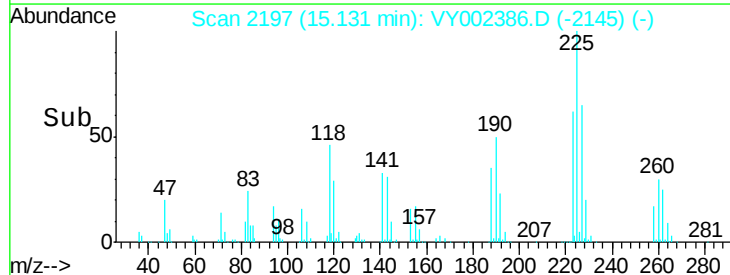
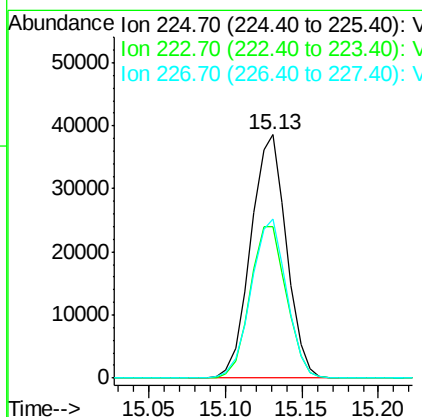
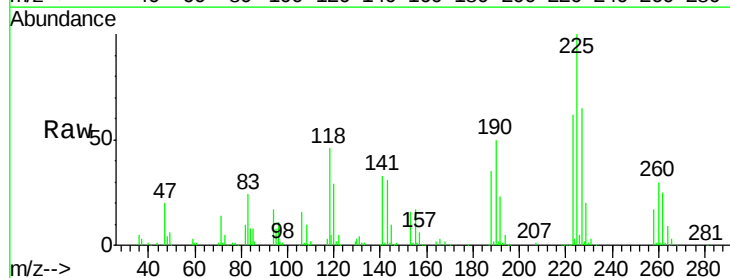
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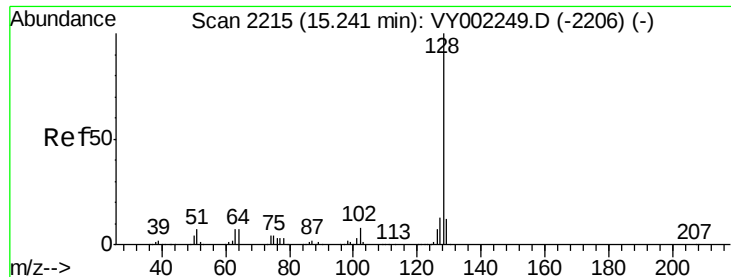
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 4/20/2020 11:41:31 AM



#94
 Hexachlorobutadiene
 Concen: 53.158 ug/l
 RT: 15.13 min Scan# 2197
 Delta R.T. 0.02 min
 Lab File: VY002386.D
 Acq: 17 Apr 2020 10:08

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	62494		
223	63.6	31.0	93.0	
227	64.9	31.3	93.9	





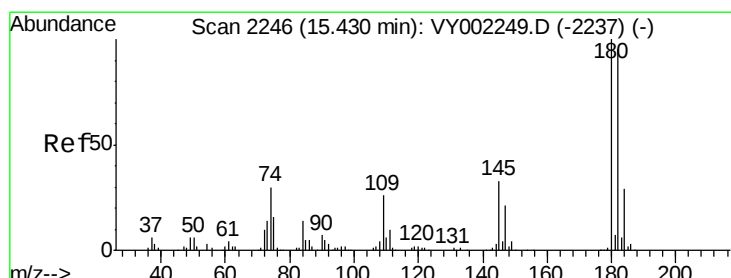
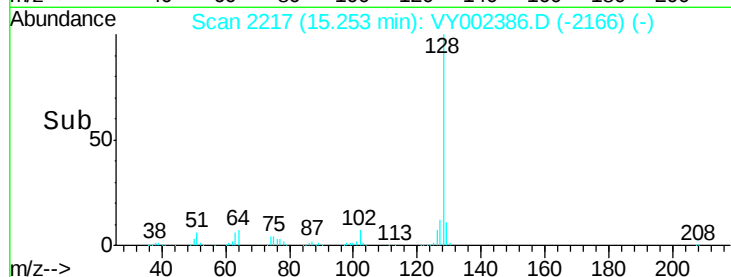
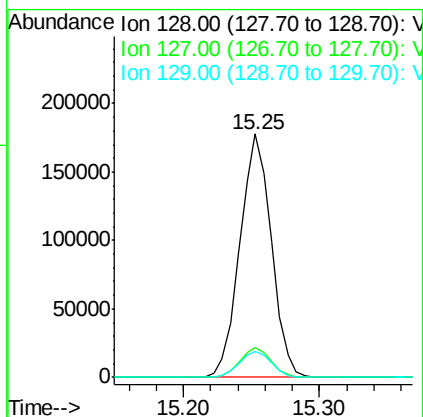
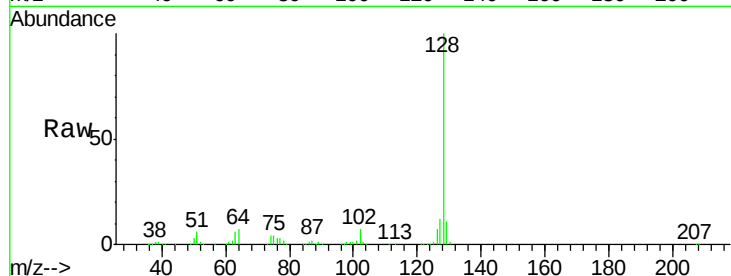
#95
Naphthalene
Concen: 55.923 ug/l
RT: 15.25 min Scan# 2217
Delta R.T. 0.01 min
Lab File: VY002386.D
Acq: 17 Apr 2020 10:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	285803		
127	12.2		10.1	15.1
129	10.9		8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 53.528 ug/l
RT: 15.44 min Scan# 2248
Delta R.T. 0.01 min
Lab File: VY002386.D
Acq: 17 Apr 2020 10:08

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	108489		
182	94.9		47.1	141.3
145	33.3		16.7	50.1

