

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY041420\
 Data File : VY002323.D
 Acq On : 14 Apr 2020 20:38
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/15/2020 9:38:34 AM

Quant Time: Apr 15 06:54:12 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	142487	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.71	114	266713	50.00	ug/l	0.01
63) Chlorobenzene-d5	11.50	117	238701	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	104735	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	77363	48.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.64%	
35) Dibromofluoromethane	7.74	113	81977	51.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.30%	
50) Toluene-d8	10.19	98	334840	50.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.82%	
62) 4-Bromofluorobenzene	12.49	95	107342	48.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	73355	50.939	ug/l	96
3) Chloromethane	2.13	50	94350	52.058	ug/l	98
4) Vinyl Chloride	2.26	62	98698	51.163	ug/l	99
5) Bromomethane	2.66	94	65591	55.060	ug/l	99
6) Chloroethane	2.81	64	59221	53.231	ug/l	100
7) Trichlorofluoromethane	3.15	101	127756	51.281	ug/l	100
8) Diethyl Ether	3.55	74	60264	56.901	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.92	101	89321	52.781	ug/l	98
10) Methyl Iodide	4.11	142	104291	53.018	ug/l	98
11) Tert butyl alcohol	4.99	59	46128	276.877	ug/l	99
12) 1,1-Dichloroethene	3.90	96	92764	53.917	ug/l	95
13) Acrolein	3.76	56	46154	225.904	ug/l	100
14) Allyl chloride	4.51	41	143651	51.705	ug/l	97
15) Acrylonitrile	5.20	53	146529	270.547	ug/l	99
16) Acetone	3.97	43	92443	221.503	ug/l	96
17) Carbon Disulfide	4.22	76	302795	52.993	ug/l	99
18) Methyl Acetate	4.51	43	68184	52.671	ug/l	97
19) Methyl tert-butyl Ether	5.25	73	250552	55.394	ug/l	95
20) Methylene Chloride	4.75	84	111640	54.424	ug/l	96
21) trans-1,2-Dichloroethene	5.25	96	104433	54.078	ug/l	94
22) Diisopropyl ether	6.15	45	301246	53.879	ug/l	96
23) Vinyl Acetate	6.10	43	945564	265.381	ug/l	98
24) 1,1-Dichloroethane	6.05	63	175522	55.192	ug/l	99
25) 2-Butanone	7.02	43	163251	247.174	ug/l	96
26) 2,2-Dichloropropane	7.01	77	127664	47.989	ug/l	98
27) cis-1,2-Dichloroethene	7.02	96	117975	56.042	ug/l	95
28) Bromochloromethane	7.36	49	66843	48.690	ug/l	96
29) Tetrahydrofuran	7.38	42	110949	254.129	ug/l	95
30) Chloroform	7.54	83	166166	55.429	ug/l	98
31) Cyclohexane	7.81	56	165904	49.698	ug/l	95
32) 1,1,1-Trichloroethane	7.73	97	133344	53.440	ug/l	99
36) 1,1-Dichloropropene	7.94	75	134514	51.203	ug/l	99
37) Ethyl Acetate	7.10	43	74186	49.431	ug/l	98
38) Carbon Tetrachloride	7.93	117	112224	49.941	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	182167	50.975	ug/l	94
40) Benzene	8.18	78	425353	53.366	ug/l	100
41) Methacrylonitrile	7.35	41	42840m	48.388	ug/l	
42) 1,2-Dichloroethane	8.26	62	99555	50.422	ug/l	98
43) Isopropyl Acetate	8.30	43	135945	49.667	ug/l	97
44) Trichloroethene	8.96	130	122099	52.104	ug/l	94
45) 1,2-Dichloropropane	9.23	63	105814	53.505	ug/l	99
46) Dibromomethane	9.32	93	56257	54.406	ug/l	99
47) Bromodichloromethane	9.51	83	128178	54.024	ug/l	98
48) Methyl methacrylate	9.31	41	59498	48.478	ug/l	92
49) 1,4-Dioxane	9.32	88	16061	1098.048	ug/l	90
51) 4-Methyl-2-Pentanone	10.08	43	364189	255.344	ug/l	98
52) Toluene	10.25	92	257405	53.587	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	136948	52.977	ug/l	99
54) cis-1,3-Dichloropropene	9.94	75	165009	53.094	ug/l	97
55) 1,1,2-Trichloroethane	10.66	97	82920	54.774	ug/l	98
56) Ethyl methacrylate	10.52	69	116420	53.882	ug/l	93
57) 1,3-Dichloropropane	10.80	76	141499	53.177	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	282808	252.758	ug/l	100
59) 2-Hexanone	10.84	43	239236	241.684	ug/l	96
60) Dibromochloromethane	10.99	129	88241	54.664	ug/l	99
61) 1,2-Dibromoethane	11.10	107	77638	53.870	ug/l	100
64) Tetrachloroethene	10.73	164	126669	52.487	ug/l	98
65) Chlorobenzene	11.52	112	264320	53.270	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	89065	54.367	ug/l	97
67) Ethyl Benzene	11.60	91	481827	53.043	ug/l	99
68) m/p-Xylenes	11.71	106	360901	106.078	ug/l	97
69) o-Xylene	12.03	106	170964	53.524	ug/l	97
70) Styrene	12.05	104	299101	53.973	ug/l	98
71) Bromoform	12.21	173	48899	54.888	ug/l	# 98
73) Isopropylbenzene	12.33	105	447141	54.343	ug/l	99
74) N-amyl acetate	12.15	43	117110	50.140	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.59	83	57669	57.930	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	61970m	50.954	ug/l	
77) Bromobenzene	12.61	156	98340	54.324	ug/l	98
78) n-propylbenzene	12.67	91	537966	52.570	ug/l	98
79) 2-Chlorotoluene	12.76	91	296932	53.393	ug/l	98
80) 1,3,5-Trimethylbenzene	12.81	105	363045	53.351	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	32072	51.290	ug/l	96
82) 4-Chlorotoluene	12.86	91	303409	52.053	ug/l	98
83) tert-Butylbenzene	13.08	119	308076	54.049	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	360845	53.103	ug/l	99
85) sec-Butylbenzene	13.25	105	445909	52.515	ug/l	100
86) p-Isopropyltoluene	13.38	119	382434	52.331	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	188262	53.662	ug/l	98
88) 1,4-Dichlorobenzene	13.45	146	186001	52.230	ug/l	100
89) n-Butylbenzene	13.70	91	378933	50.586	ug/l	99
90) Hexachloroethane	13.97	117	73768	52.972	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	171967	53.944	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.36	75	11751	48.807	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	100221	48.098	ug/l	99
94) Hexachlorobutadiene	15.12	225	51430	49.005	ug/l	98
95) Naphthalene	15.24	128	231759	50.798	ug/l	100
96) 1,2,3-Trichlorobenzene	15.43	180	87774	48.512	ug/l	99

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

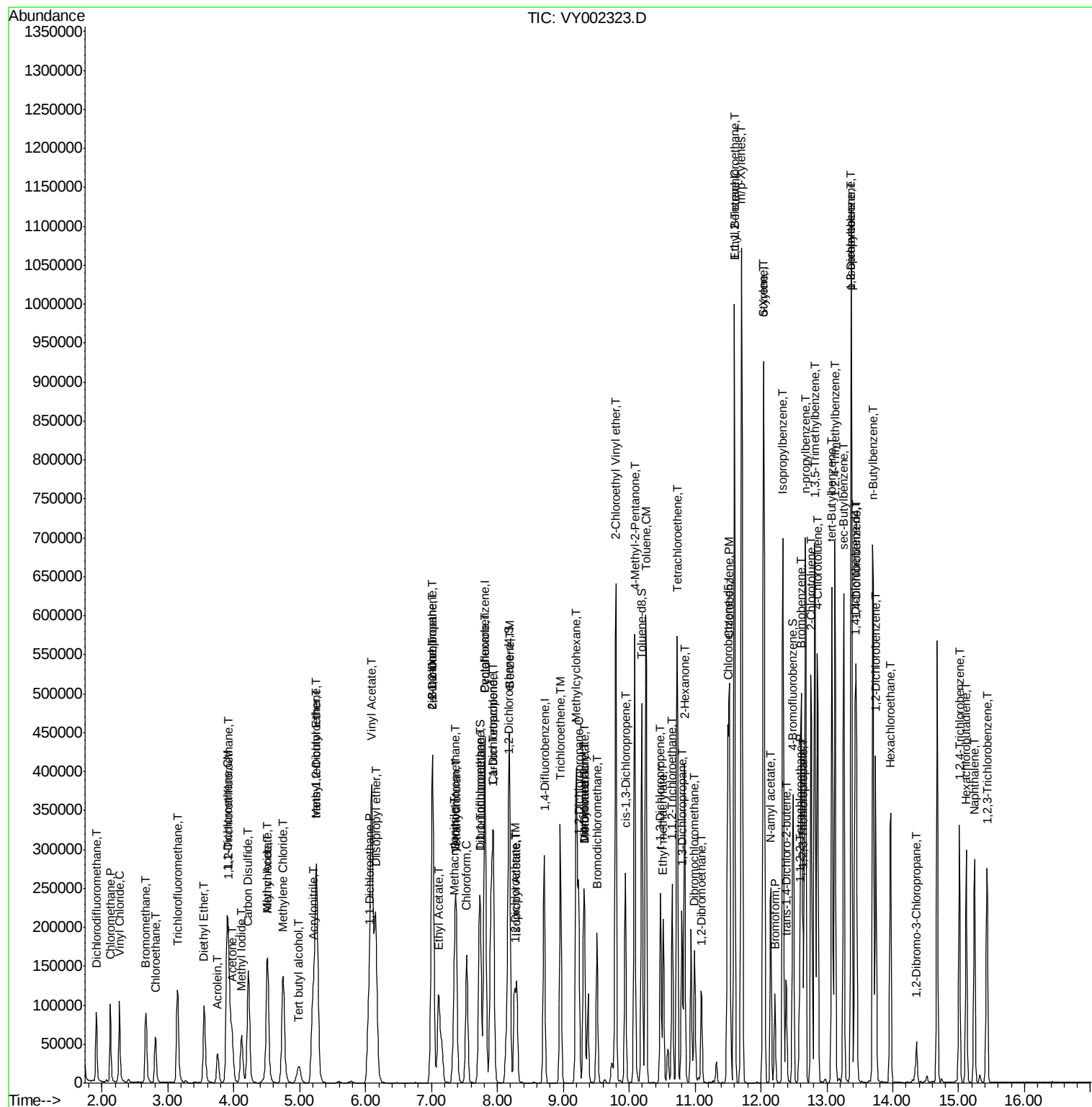
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY041420\
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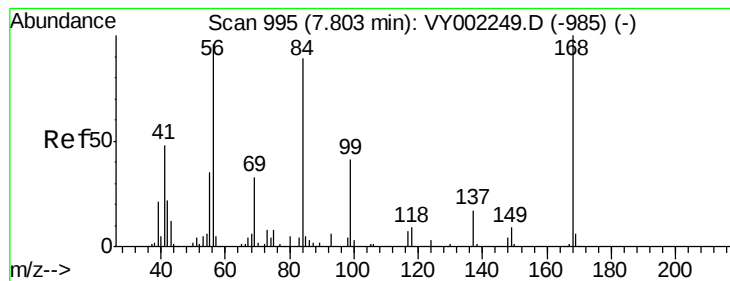
Instrument :
 MSVOA_Y
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.01 min

Lab File: VY002323.D

Acq: 14 Apr 2020 20:38

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 142487

Ion Ratio Lower Upper

168 100

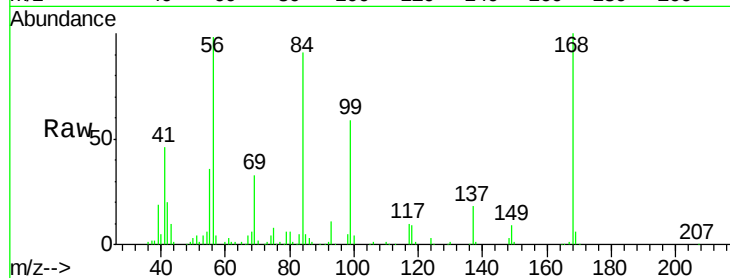
99 58.6 48.0 72.0

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) (-)

60000

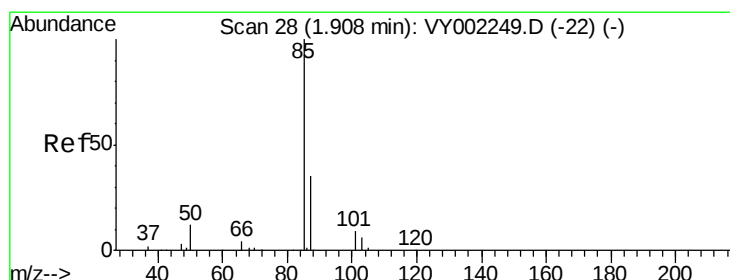
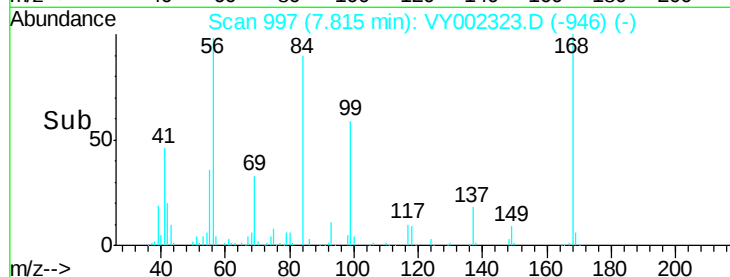
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 50.939 ug/l

RT: 1.91 min Scan# 29

Delta R.T. 0.01 min

Lab File: VY002323.D

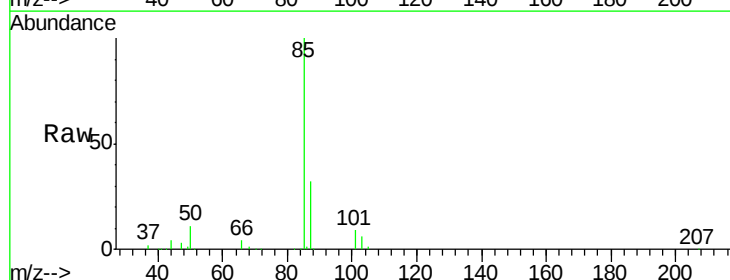
Acq: 14 Apr 2020 20:38

Tgt Ion: 85 Resp: 73355

Ion Ratio Lower Upper

85 100

87 32.2 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) (-)

60000

50000

40000

30000

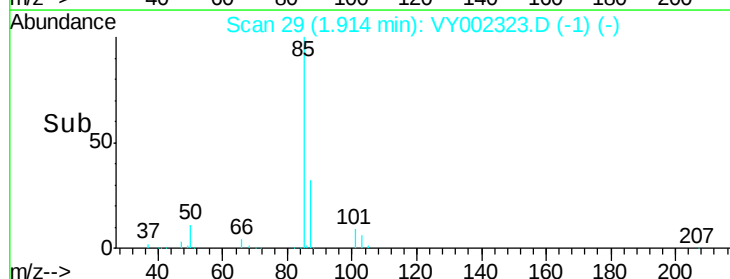
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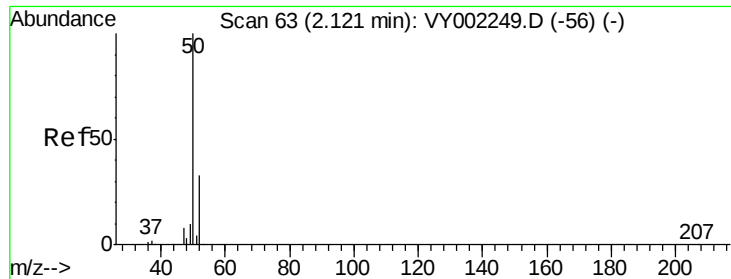
10000

0

1.90 2.00

Time-->





#3

Chloromethane

Concen: 52.058 ug/l

RT: 2.13 min Scan# 64

Delta R.T. 0.01 min

Lab File: VY002323.D

Acq: 14 Apr 2020 20:38

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 94350

Ion Ratio Lower Upper

50 100

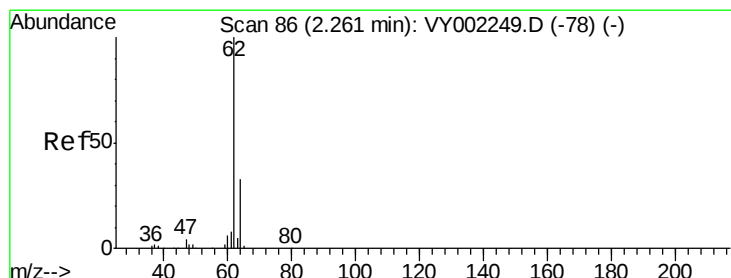
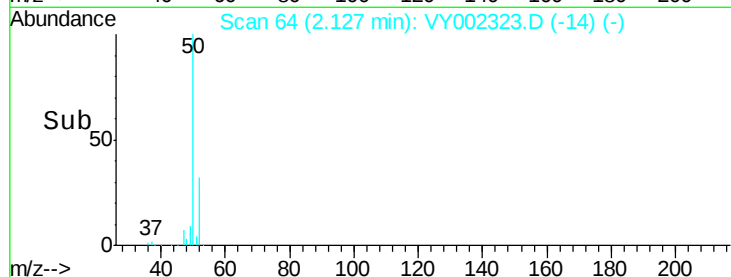
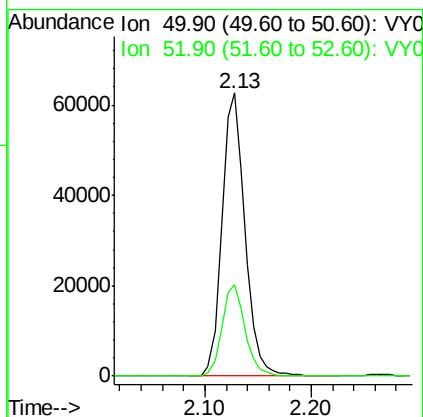
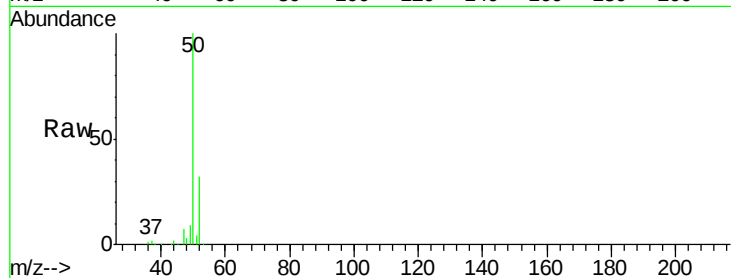
52 32.1 26.6 39.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 51.163 ug/l

RT: 2.26 min Scan# 86

Delta R.T. 0.00 min

Lab File: VY002323.D

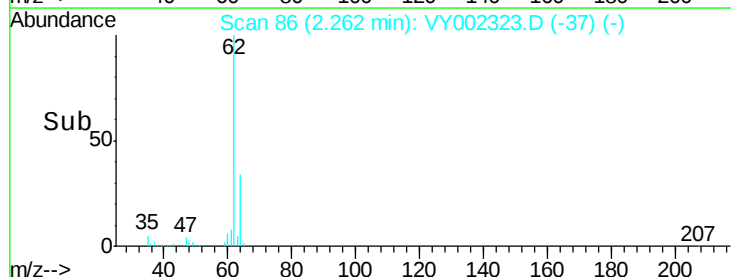
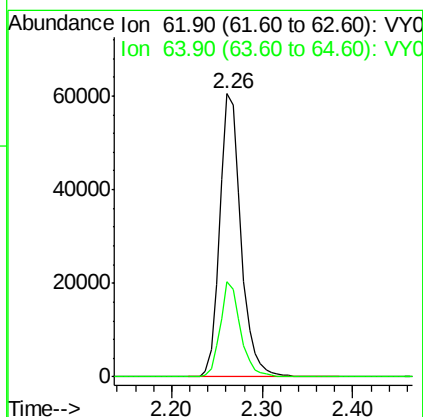
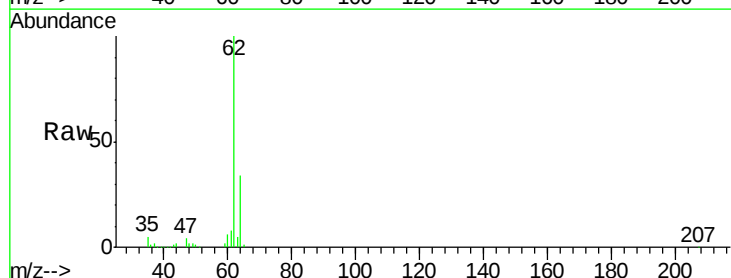
Acq: 14 Apr 2020 20:38

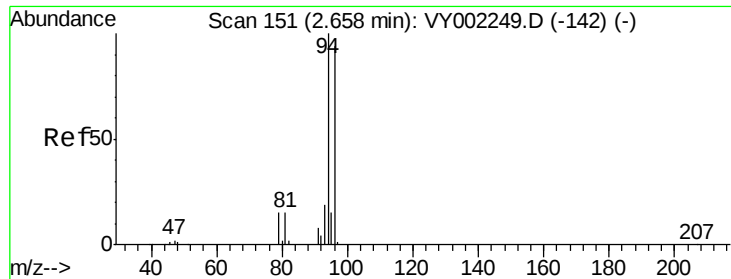
Tgt Ion: 62 Resp: 98698

Ion Ratio Lower Upper

62 100

64 33.5 26.2 39.2





#5

Bromomethane

Concen: 55.060 ug/l

RT: 2.66 min Scan# 152

Delta R.T. 0.01 min

Lab File: VY002323.D

Acq: 14 Apr 2020 20:38

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 65591

Ion Ratio Lower Upper

94 100

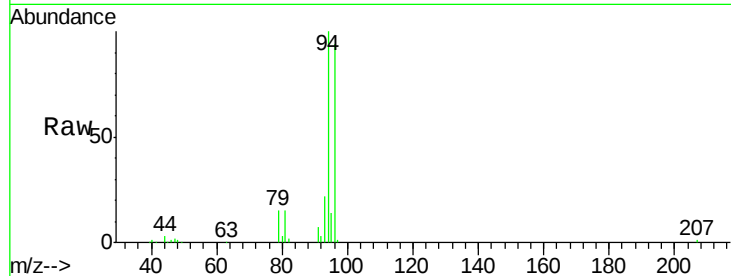
96 93.7 75.6 113.4

Manual Integrations

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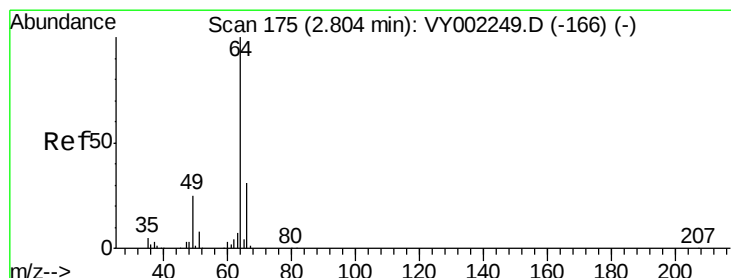
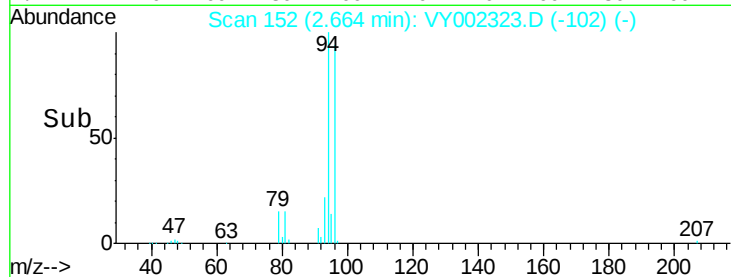
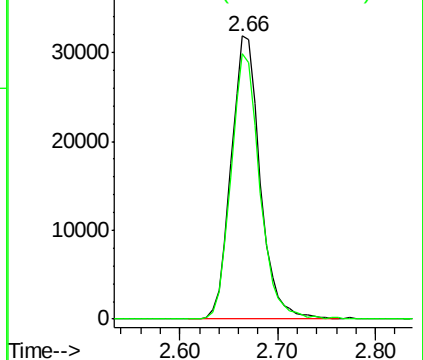
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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 53.231 ug/l

RT: 2.81 min Scan# 176

Delta R.T. 0.01 min

Lab File: VY002323.D

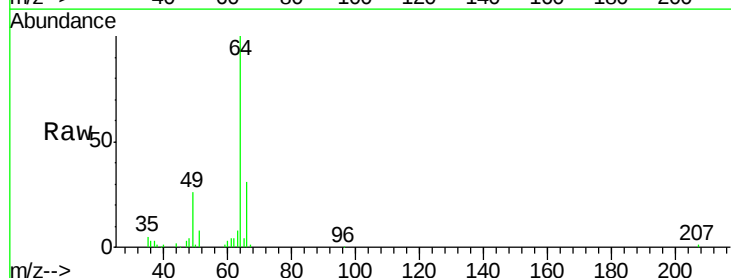
Acq: 14 Apr 2020 20:38

Tgt Ion: 64 Resp: 59221

Ion Ratio Lower Upper

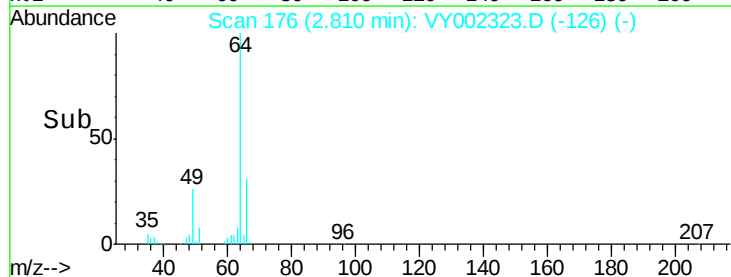
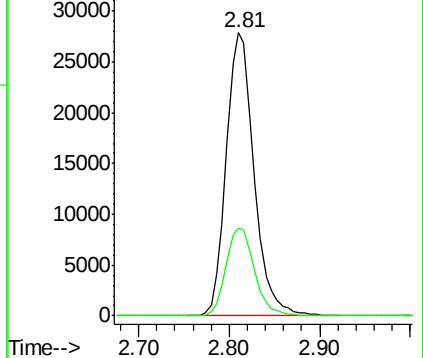
64 100

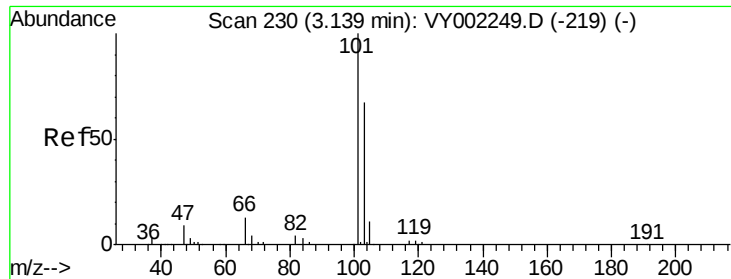
66 30.8 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

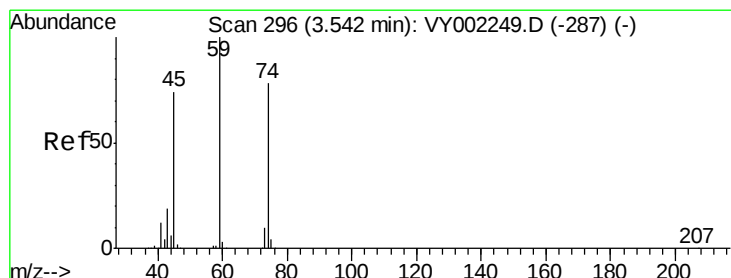
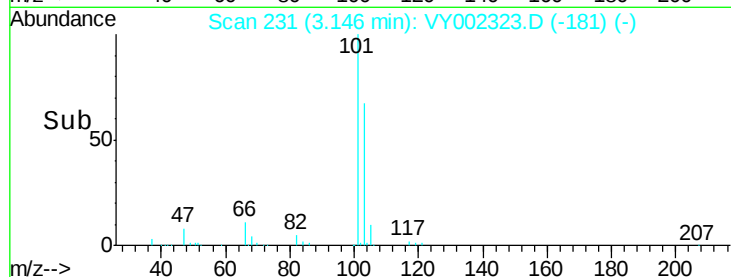
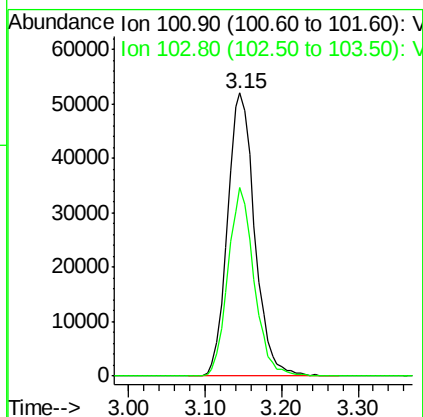
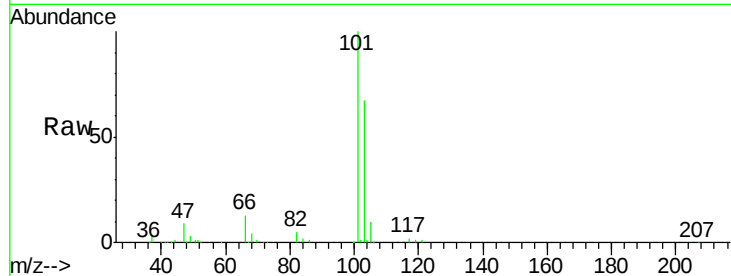
Trichlorofluoromethane
Concen: 51.281 ug/l
RT: 3.15 min Scan# 231
Delta R.T. 0.01 min
Lab File: VY002323.D
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Instrument :
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	127756		
103	66.5	53.3	79.9	

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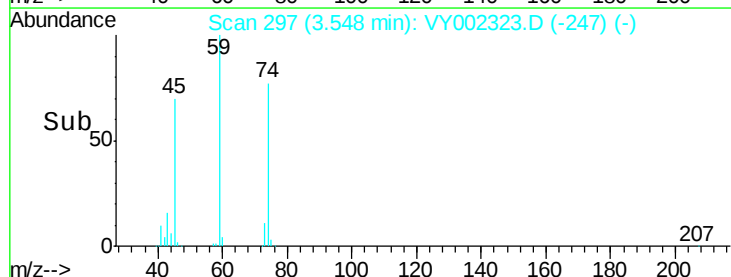
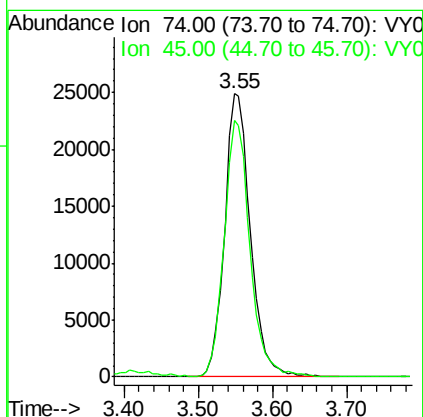
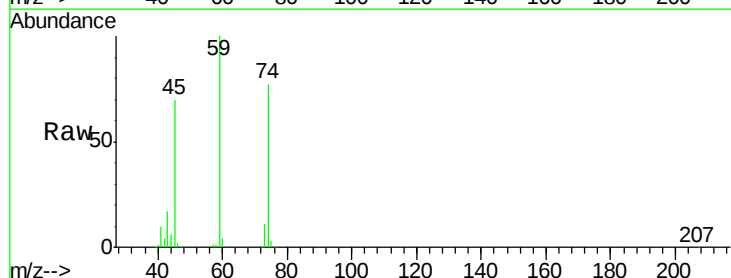
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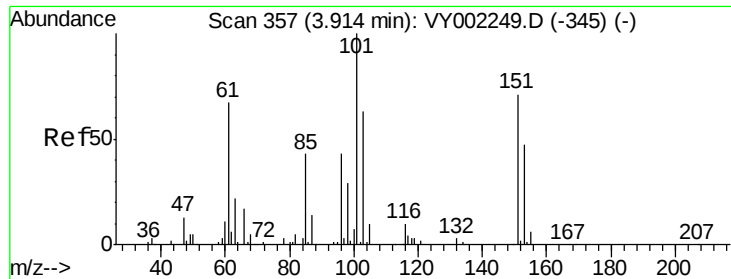


#8

Diethyl Ether
Concen: 56.901 ug/l
RT: 3.55 min Scan# 297
Delta R.T. 0.01 min
Lab File: VY002323.D
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Tgt Ion	Ratio	Resp	Lower	Upper
74	100	60264		
45	90.9	48.0	144.2	





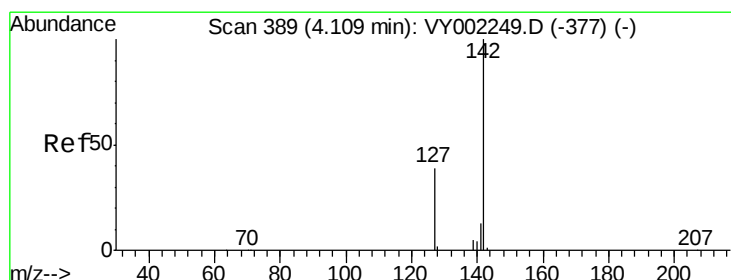
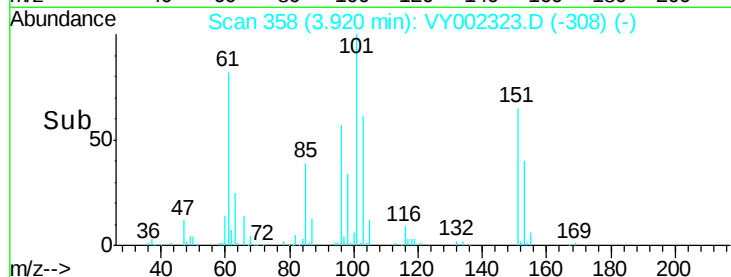
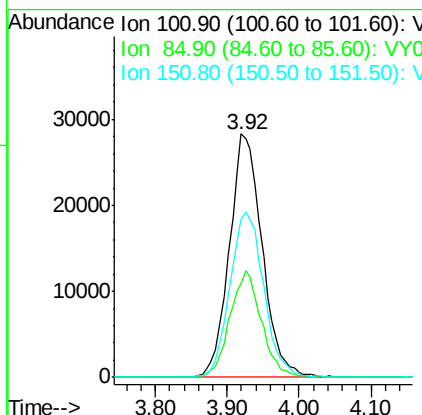
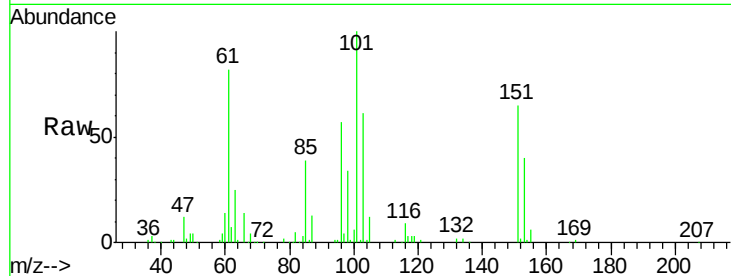
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 52.781 ug/l
 RT: 3.92 min Scan# 358
 Delta R.T. 0.01 min
 Lab File: VY002323.D
 Acq: 14 Apr 2020 20:38

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
101	100	89321		
85	42.1		34.6	52.0
151	70.4		57.6	86.4

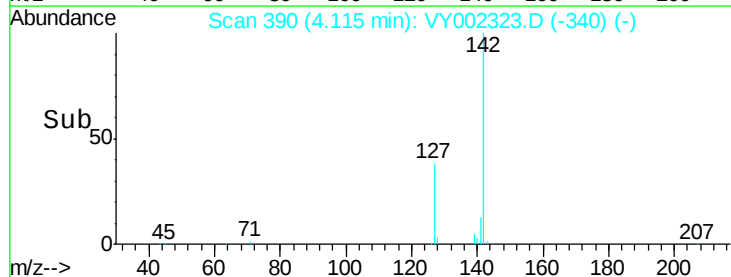
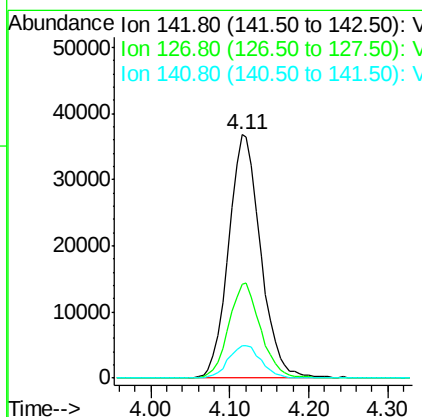
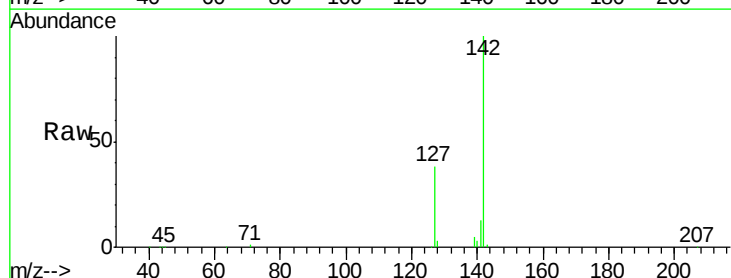
Manual Integrations
 APPROVED

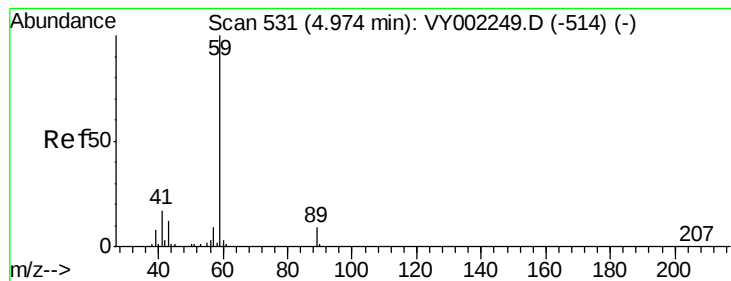
MMDadoda
 4/15/2020 9:38:34 AM



#10
 Methyl Iodide
 Concen: 53.018 ug/l
 RT: 4.11 min Scan# 390
 Delta R.T. 0.01 min
 Lab File: VY002323.D
 Acq: 14 Apr 2020 20:38

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	104291		
127	38.6		32.4	48.6
141	13.8		11.2	16.8





#11

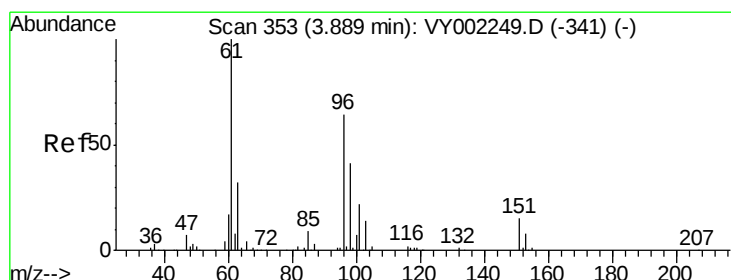
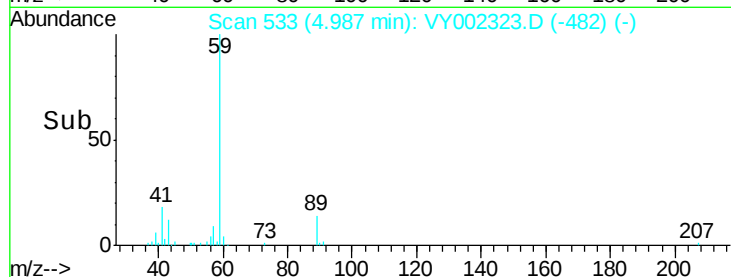
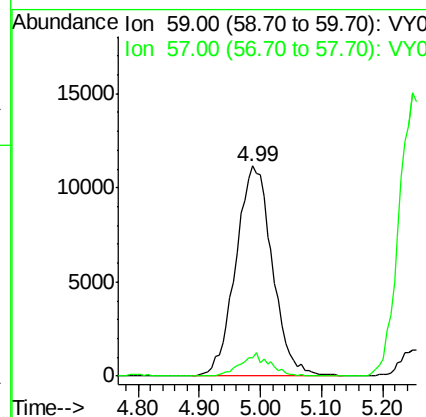
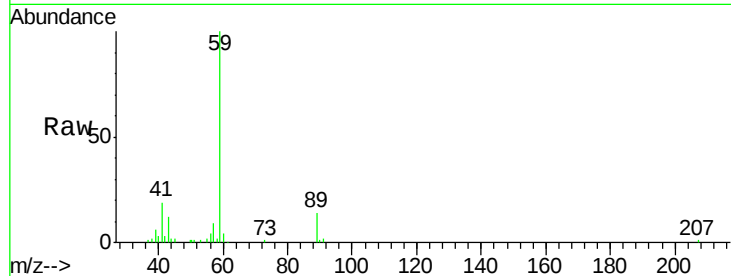
Tert butyl alcohol
Concen: 276.877 ug/l
RT: 4.99 min Scan# 533
Delta R.T. 0.01 min
Lab File: VY002323.D
Acq: 14 Apr 2020 20:38

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	59	Ratio	Lower	Upper
59	100			
57	8.6		6.6	9.8

Manual Integrations
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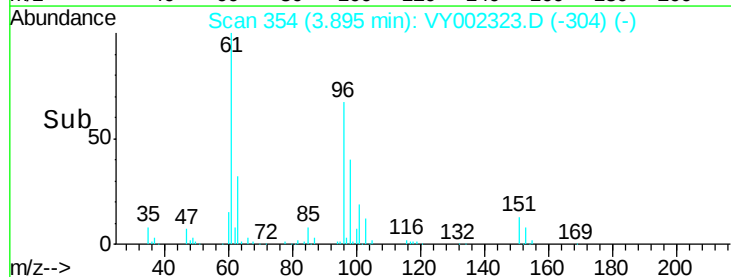
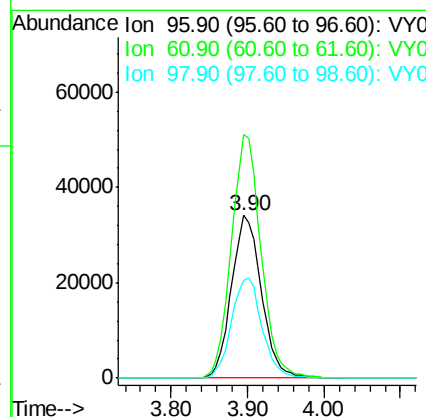
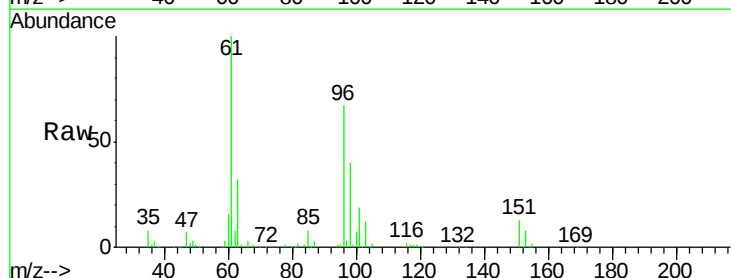
MMDadoda
4/15/2020 9:38:34 AM

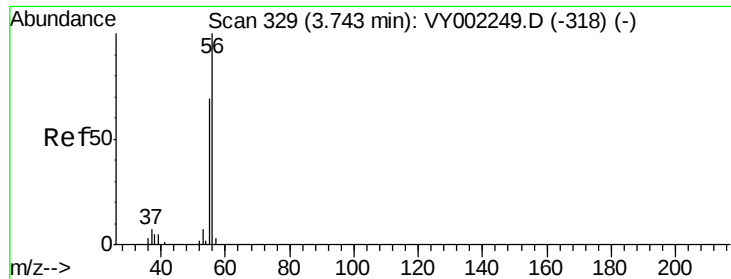


#12

1,1-Dichloroethene
Concen: 53.917 ug/l
RT: 3.90 min Scan# 354
Delta R.T. 0.01 min
Lab File: VY002323.D
Acq: 14 Apr 2020 20:38

Tgt Ion	96	Ratio	Lower	Upper
96	100			
61	149.9		125.9	188.9
98	60.4		51.1	76.7





#13

Acrolein

Concen: 225.904 ug/l

RT: 3.76 min Scan# 331

Delta R.T. 0.01 min

Lab File: VY002323.D

Acq: 14 Apr 2020 20:38

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 46154

Ion Ratio Lower Upper

56 100

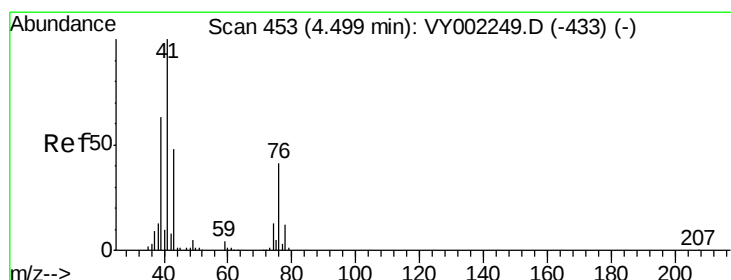
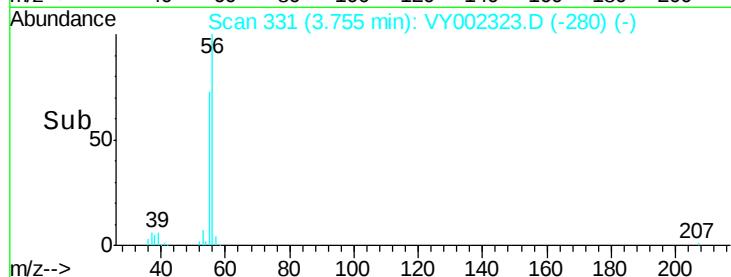
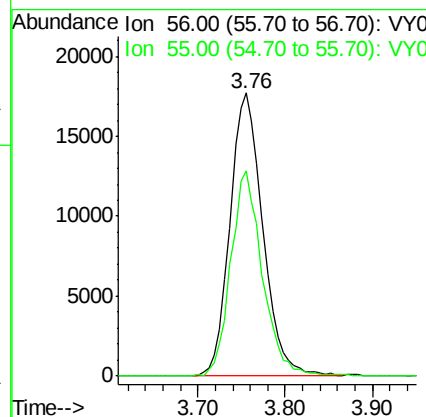
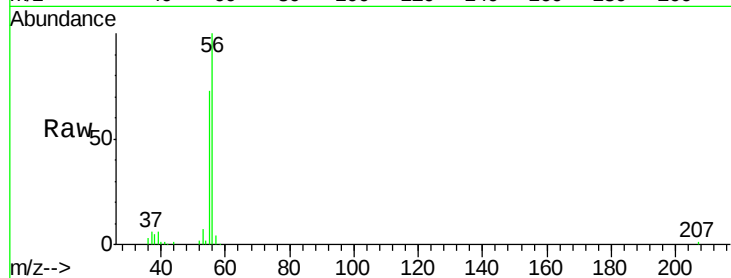
55 69.9 55.8 83.8

Manual Integrations

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MMDadoda

4/15/2020 9:38:34 AM



#14

Allyl chloride

Concen: 51.705 ug/l

RT: 4.51 min Scan# 455

Delta R.T. 0.01 min

Lab File: VY002323.D

Acq: 14 Apr 2020 20:38

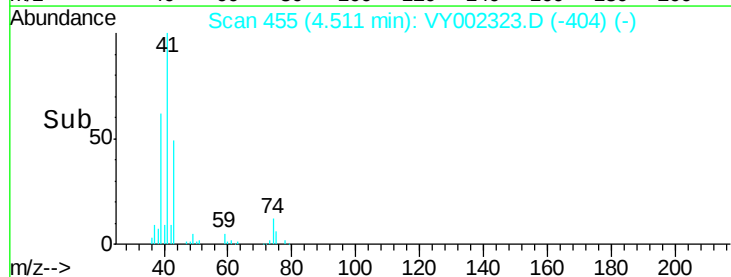
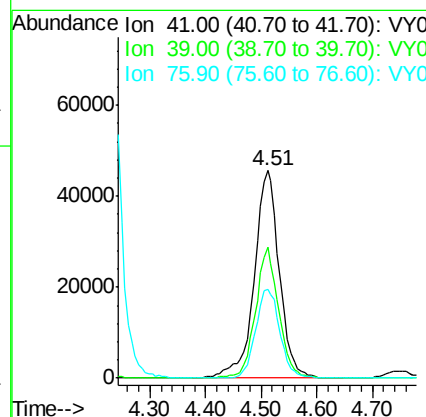
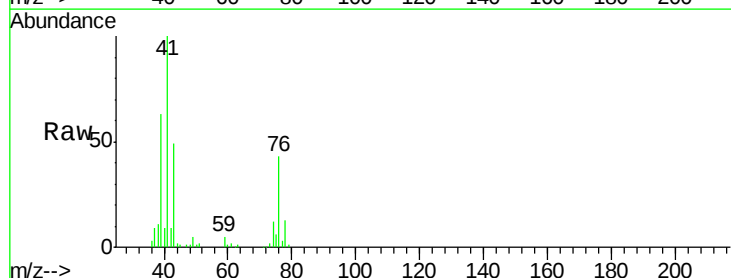
Tgt Ion: 41 Resp: 143651

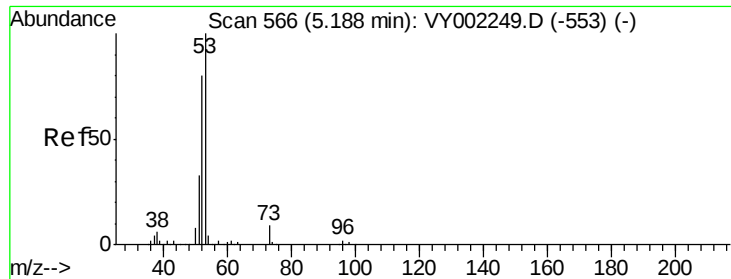
Ion Ratio Lower Upper

41 100

39 58.2 48.0 72.0

76 41.3 31.0 46.6





#15

Acrylonitrile

Concen: 270.547 ug/l

RT: 5.20 min Scan# 568

Delta R.T. 0.01 min

Lab File: VY002323.D

Acq: 14 Apr 2020 20:38

Instrument :

MSVOA_Y

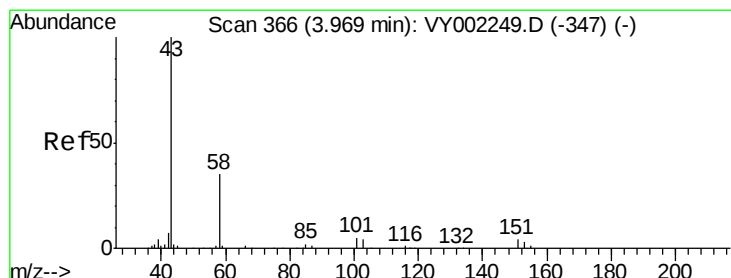
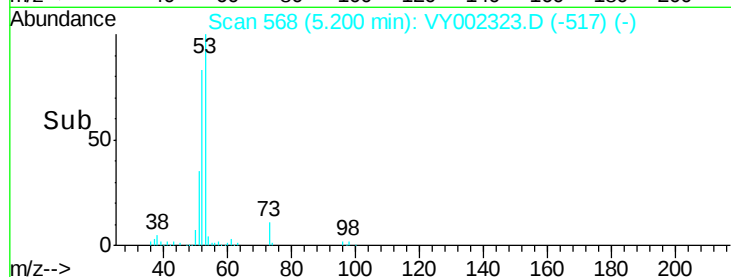
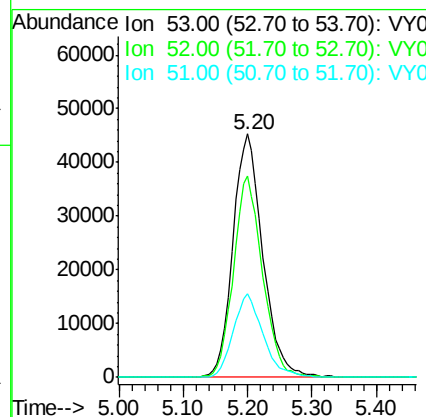
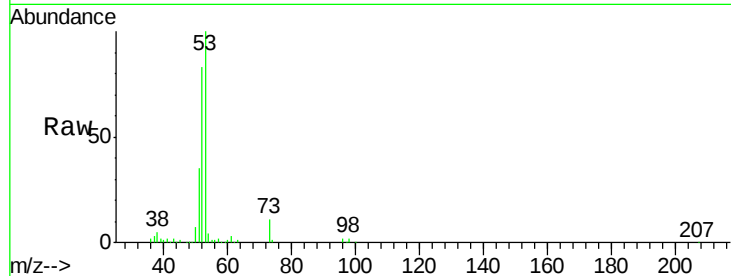
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	146529
Ion	Ratio	Lower	Upper
53	100		
52	80.4	65.1	97.7
51	34.5	27.1	40.7

Manual Integrations
APPROVED

MMDadoda
4/15/2020 9:38:34 AM



#16

Acetone

Concen: 221.503 ug/l

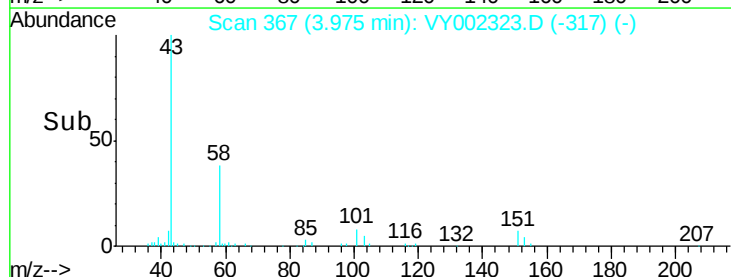
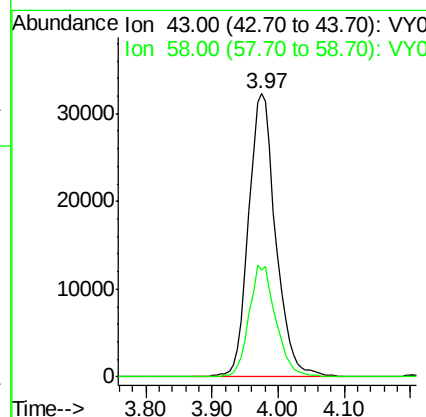
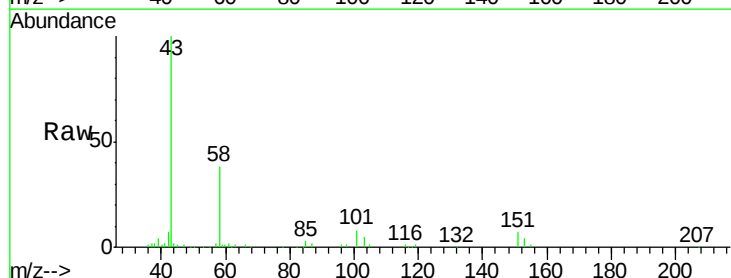
RT: 3.97 min Scan# 367

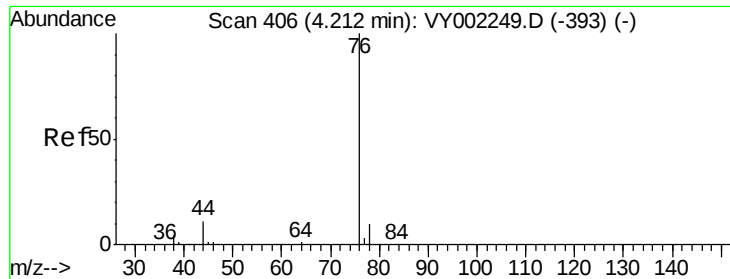
Delta R.T. 0.01 min

Lab File: VY002323.D

Acq: 14 Apr 2020 20:38

Tgt Ion:	43	Resp:	92443
Ion	Ratio	Lower	Upper
43	100		
58	37.8	28.5	42.7





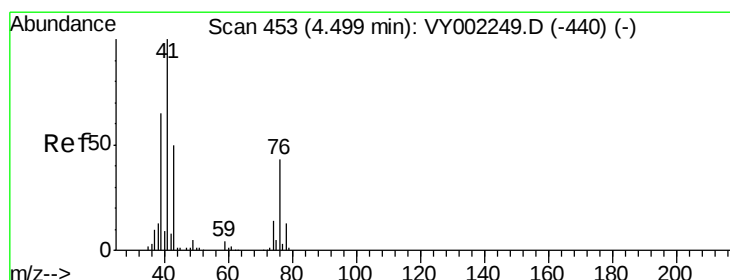
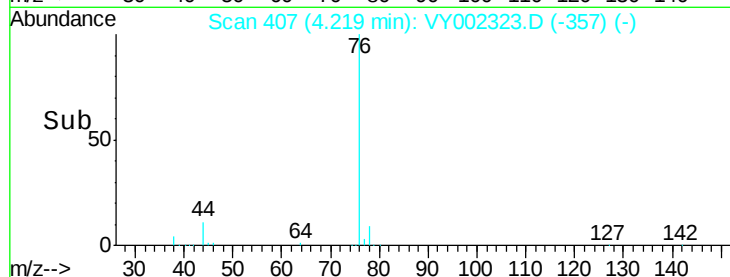
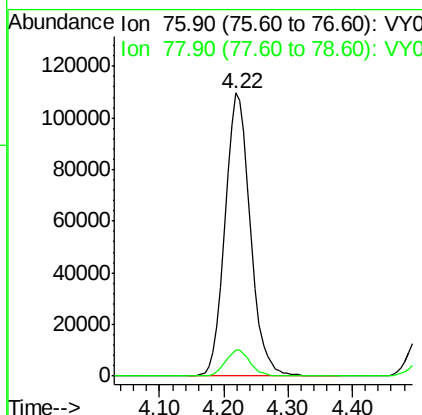
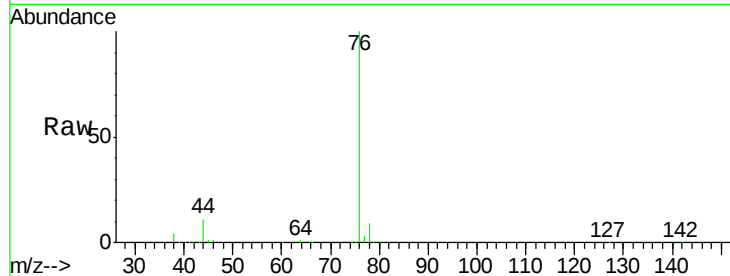
#17
Carbon Disulfide
Concen: 52.993 ug/l
RT: 4.22 min Scan# 407
Delta R.T. 0.01 min
Lab File: VY002323.D
Acq: 14 Apr 2020 20:38

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 76 Resp: 302795
Ion Ratio Lower Upper
76 100
78 9.4 7.7 11.5

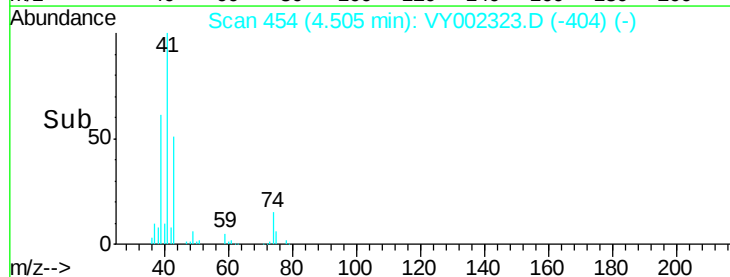
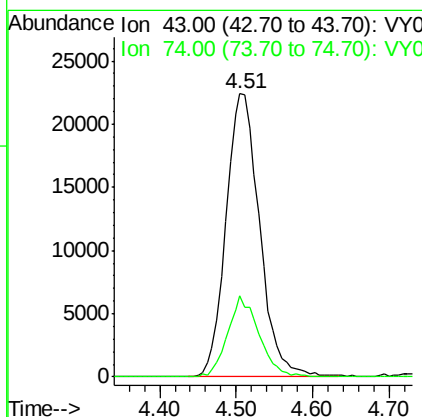
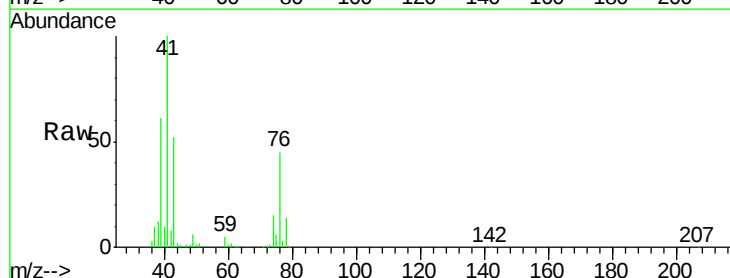
Manual Integrations
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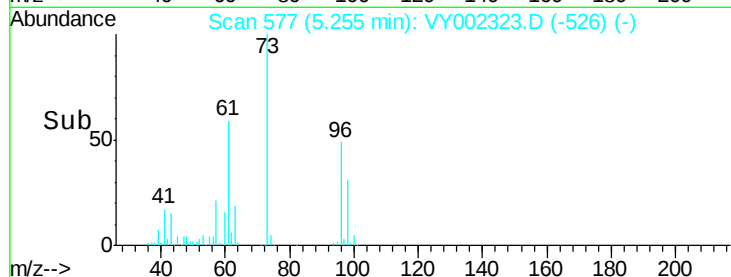
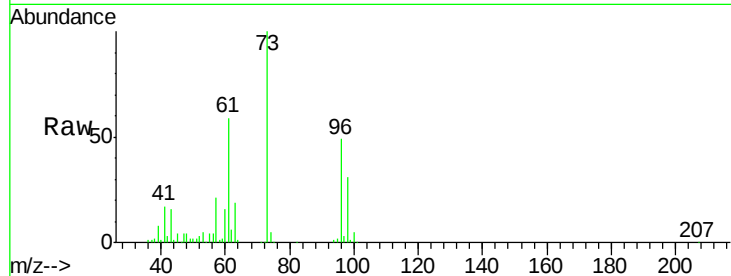
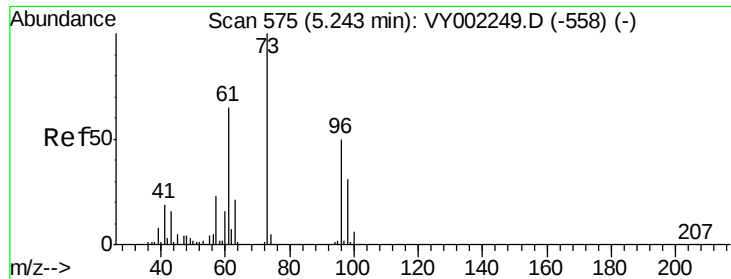
MMDadoda
4/15/2020 9:38:34 AM



#18
Methyl Acetate
Concen: 52.671 ug/l
RT: 4.51 min Scan# 454
Delta R.T. 0.01 min
Lab File: VY002323.D
Acq: 14 Apr 2020 20:38

Tgt Ion: 43 Resp: 68184
Ion Ratio Lower Upper
43 100
74 26.7 20.3 30.5





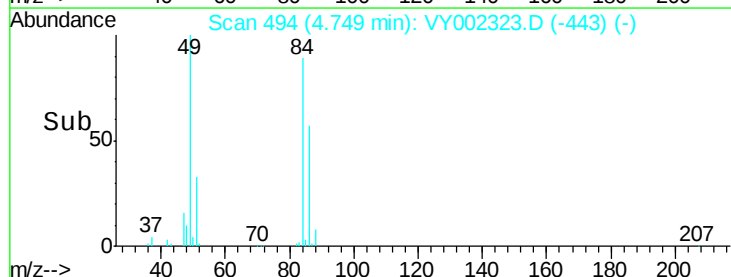
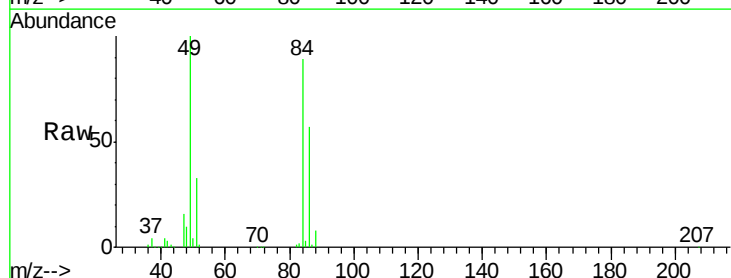
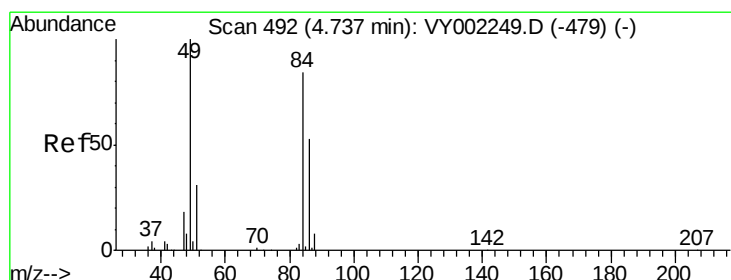
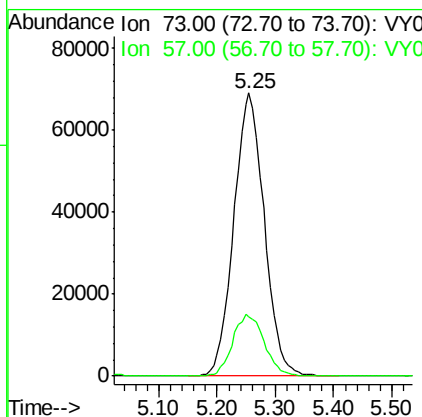
#19
Methvl tert-butvl Ether
Concen: 55.394 ug/l
RT: 5.25 min Scan# 577
Delta R.T. 0.01 min
Lab File: VY002323.D
Acq: 14 Apr 2020 20:38

Tot Ion: 73 Resp: 250552
Ion Ratio Lower Upper
73 100
57 21.1 18.7 28.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

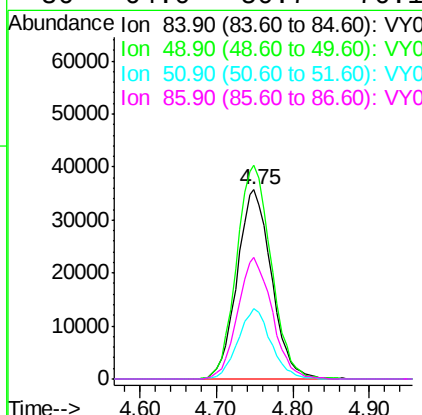
Manual Integrations
APPROVED

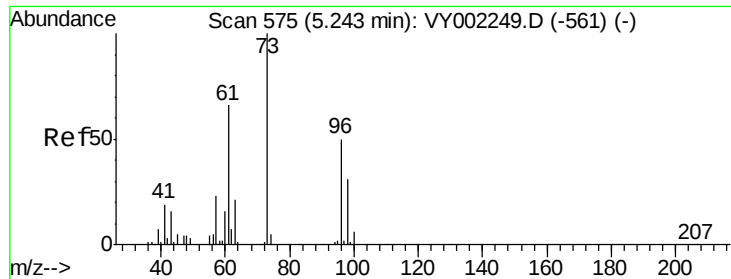
MMDadoda
4/15/2020 9:38:34 AM



#20
Methylene Chloride
Concen: 54.424 ug/l
RT: 4.75 min Scan# 494
Delta R.T. 0.01 min
Lab File: VY002323.D
Acq: 14 Apr 2020 20:38

Tgt Ion: 84 Resp: 111640
Ion Ratio Lower Upper
84 100
49 112.9 95.5 143.3
51 37.3 29.5 44.3
86 64.0 50.7 76.1





#21

trans-1,2-Dichloroethene

Concen: 54.078 ug/l

RT: 5.25 min Scan# 577

Delta R.T. 0.01 min

Lab File: VY002323.D

Acq: 14 Apr 2020 20:38

Instrument :

MSVOA_Y

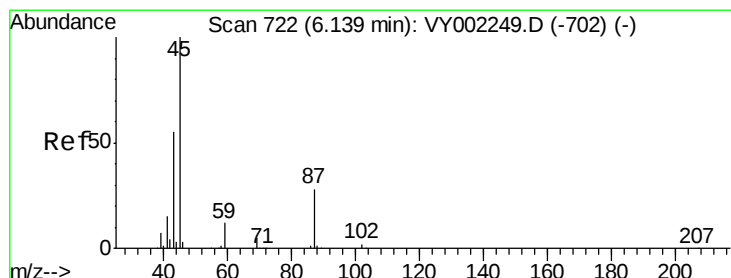
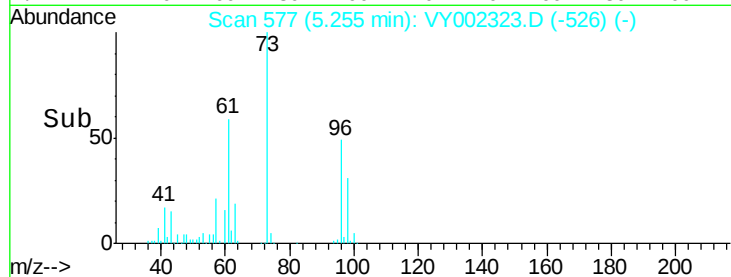
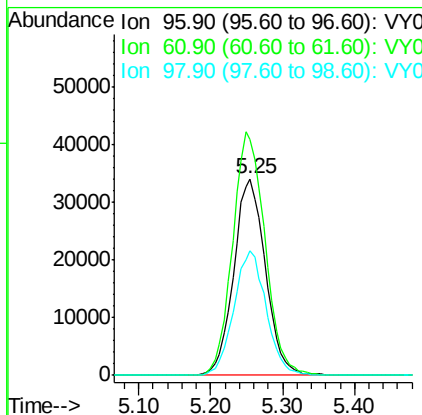
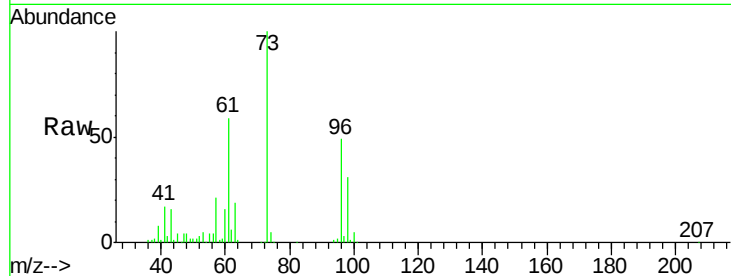
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	104433
Ion	Ratio	Lower	Upper
96	100		
61	120.3	104.6	157.0
98	63.4	50.1	75.1

Manual Integrations
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MMDadoda
4/15/2020 9:38:34 AM



#22

Diisopropyl ether

Concen: 53.879 ug/l

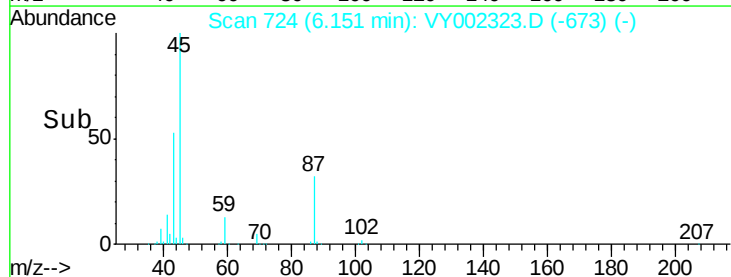
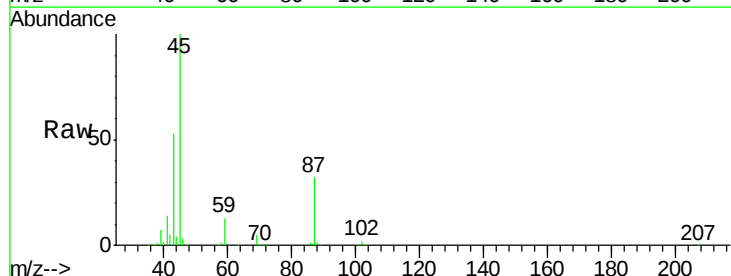
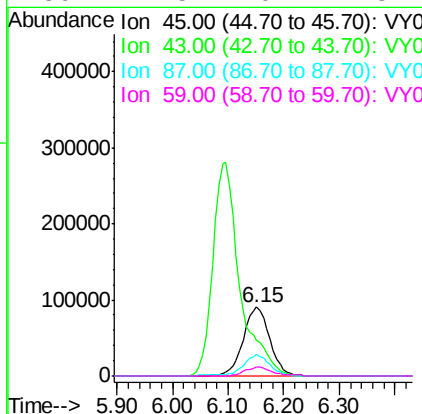
RT: 6.15 min Scan# 724

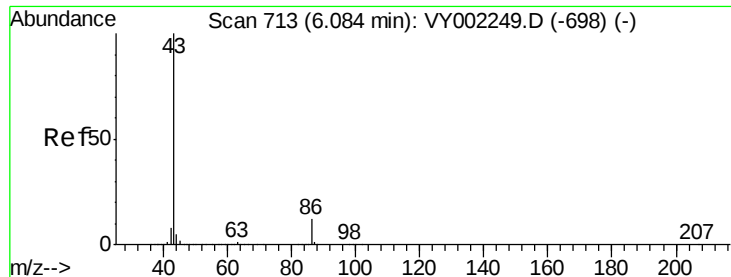
Delta R.T. 0.01 min

Lab File: VY002323.D

Acq: 14 Apr 2020 20:38

Tgt Ion:	45	Resp:	301246
Ion	Ratio	Lower	Upper
45	100		
43	52.7	44.7	67.1
87	32.1	23.0	34.4
59	12.5	10.1	15.1





#23

Vinyl Acetate

Concen: 265.381 ug/l

RT: 6.10 min Scan# 715

Delta R.T. 0.01 min

Lab File: VY002323.D

Acq: 14 Apr 2020 20:38

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 945564

Ion Ratio Lower Upper

43 100

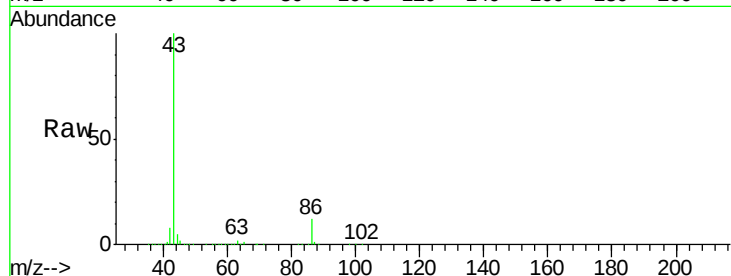
86 12.2 9.2 13.8

Manual Integrations

APPROVED

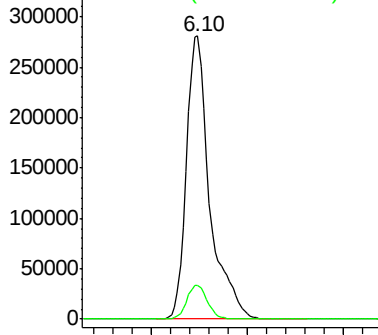
MMDadoda

4/15/2020 9:38:34 AM

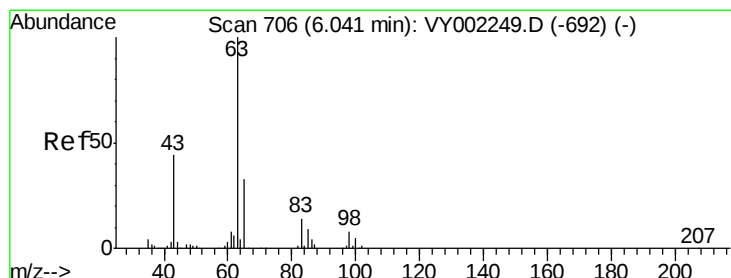
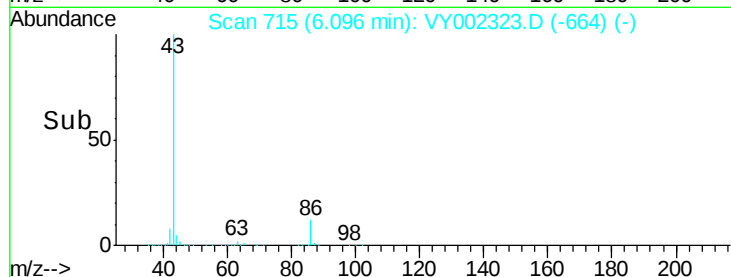


Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



Time-->



#24

1,1-Dichloroethane

Concen: 55.192 ug/l

RT: 6.05 min Scan# 707

Delta R.T. 0.01 min

Lab File: VY002323.D

Acq: 14 Apr 2020 20:38

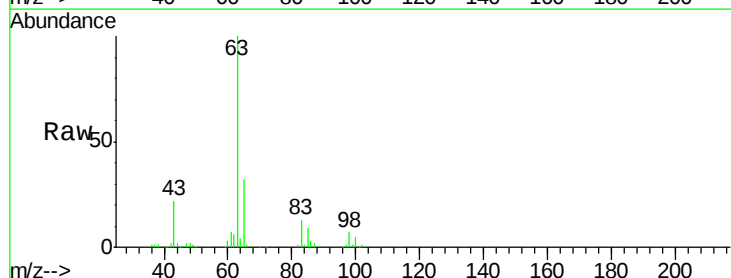
Tgt Ion: 63 Resp: 175522

Ion Ratio Lower Upper

63 100

98 7.5 4.0 12.0

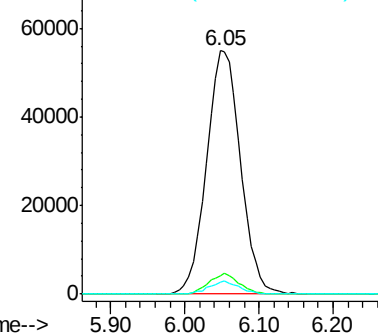
100 4.7 2.4 7.1



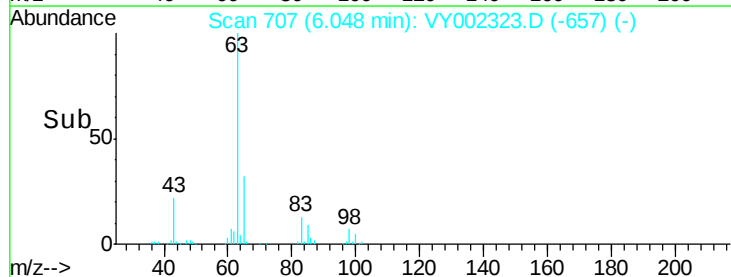
Abundance Ion 62.90 (62.60 to 63.60): VY0

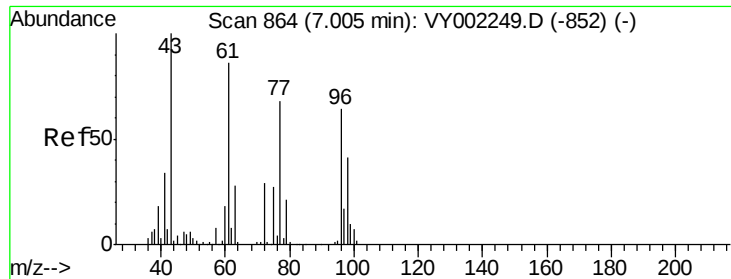
Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0



Time-->





#25

2-Butanone

Concen: 247.174 ug/l

RT: 7.02 min Scan# 866

Delta R.T. 0.01 min

Lab File: VY002323.D

Acq: 14 Apr 2020 20:38

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 163251

Ion Ratio Lower Upper

43 100

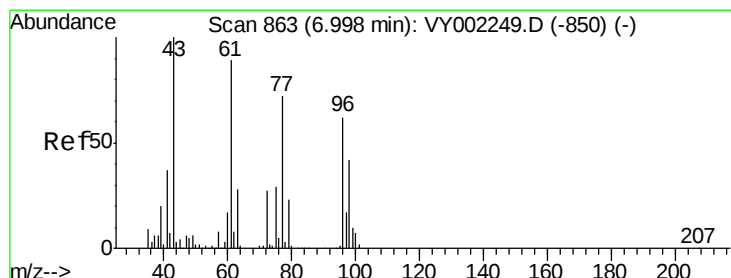
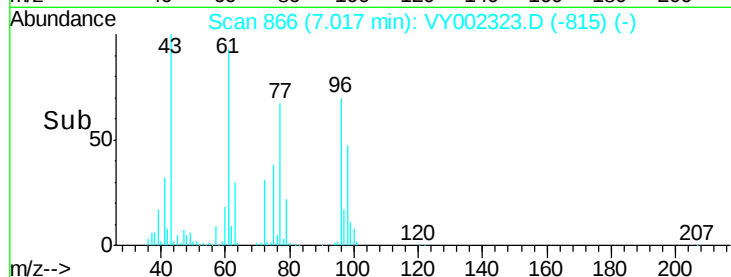
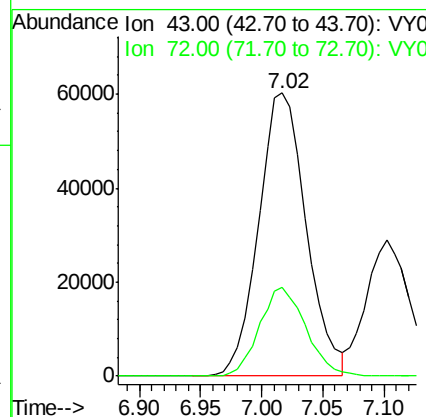
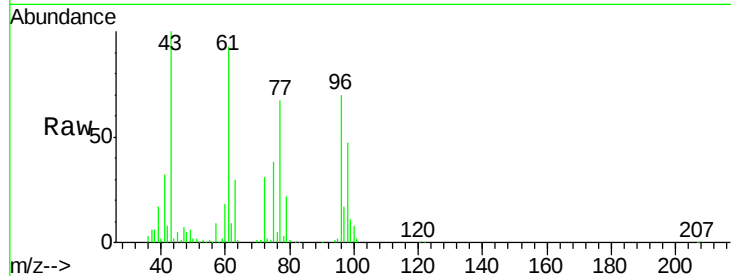
72 31.3 23.2 34.8

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#26

2,2-Dichloropropane

Concen: 47.989 ug/l

RT: 7.01 min Scan# 865

Delta R.T. 0.01 min

Lab File: VY002323.D

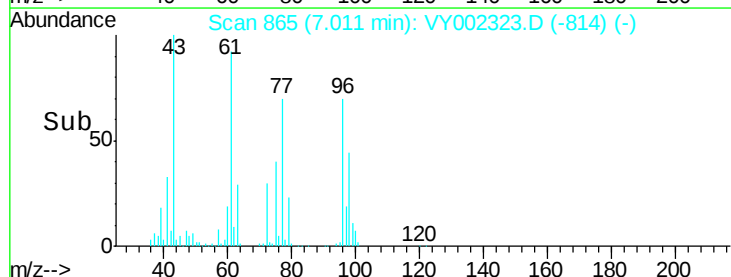
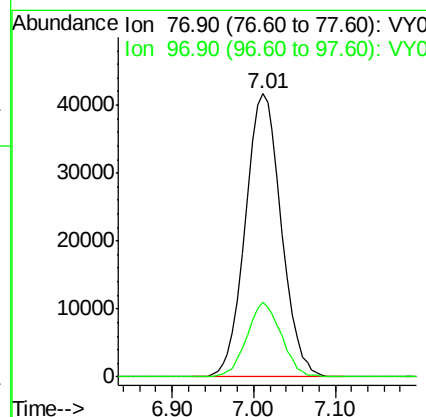
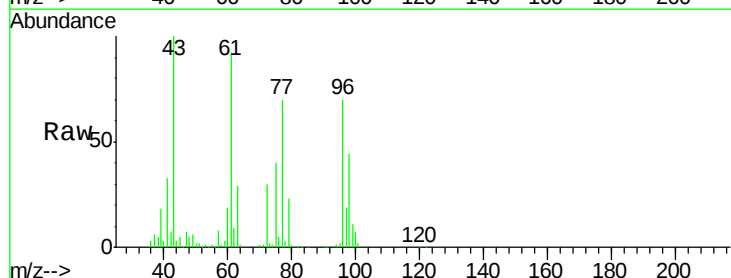
Acq: 14 Apr 2020 20:38

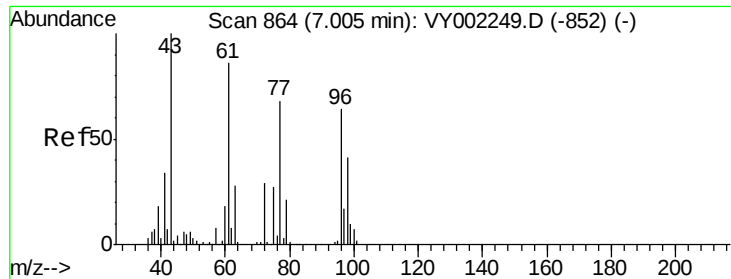
Tgt Ion: 77 Resp: 127664

Ion Ratio Lower Upper

77 100

97 25.2 12.2 36.6





#27

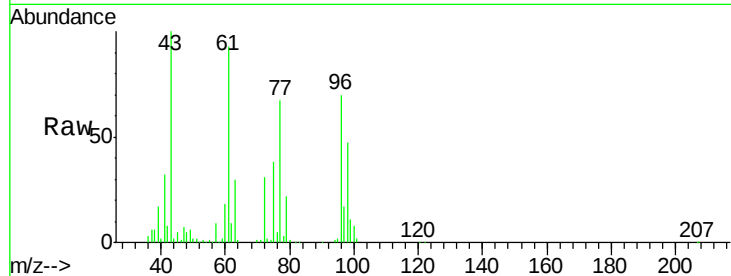
cis-1,2-Dichloroethene
 Concen: 56.042 ug/l
 RT: 7.02 min Scan# 866
 Delta R.T. 0.01 min
 Lab File: VY002323.D
 Acq: 14 Apr 2020 20:38

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

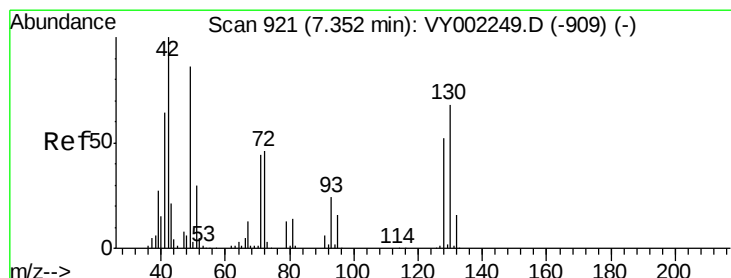
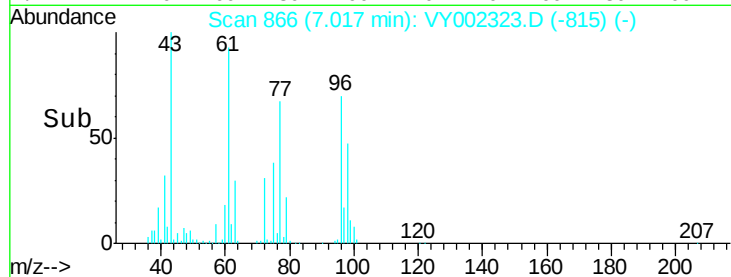
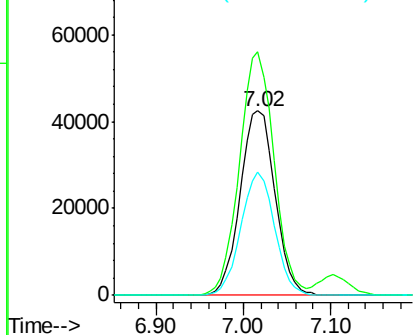
Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	130.8	0.0	278.0	
98	64.5	0.0	128.6	

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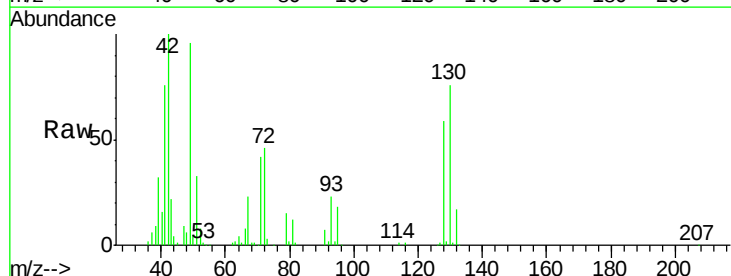
Abundance Ion 95.90 (95.60 to 96.60): VY0
 Ion 60.90 (60.60 to 61.60): VY0
 Ion 97.90 (97.60 to 98.60): VY0



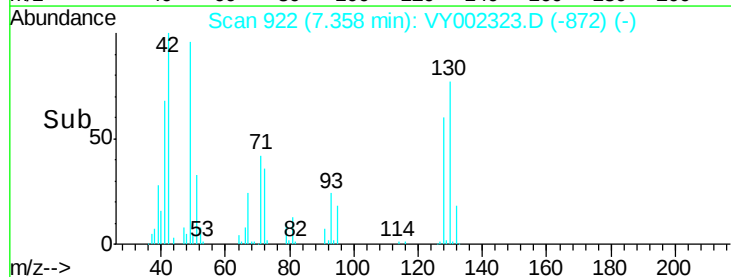
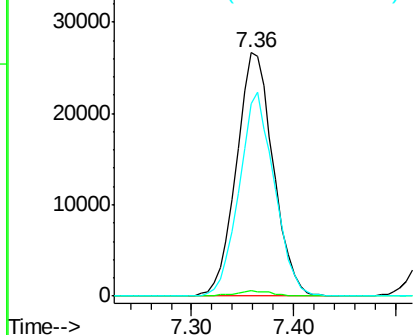
#28

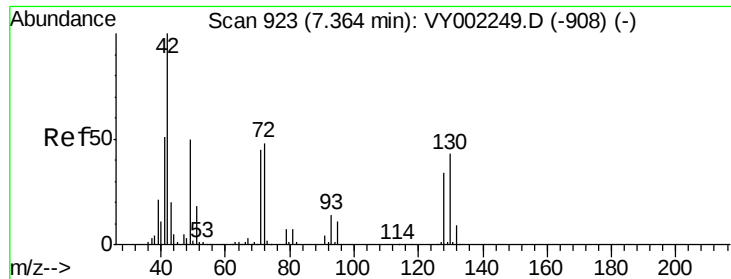
Bromochloromethane
 Concen: 48.690 ug/l
 RT: 7.36 min Scan# 922
 Delta R.T. 0.01 min
 Lab File: VY002323.D
 Acq: 14 Apr 2020 20:38

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.1	0.0	4.2	
130	80.0	60.9	91.3	



Abundance Ion 48.90 (48.60 to 49.60): VY0
 Ion 128.80 (128.50 to 129.50): VY0
 Ion 129.80 (129.50 to 130.50): VY0





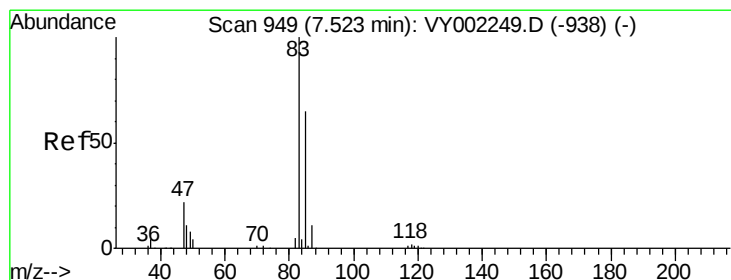
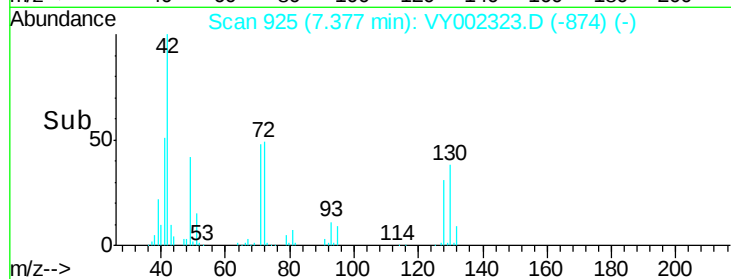
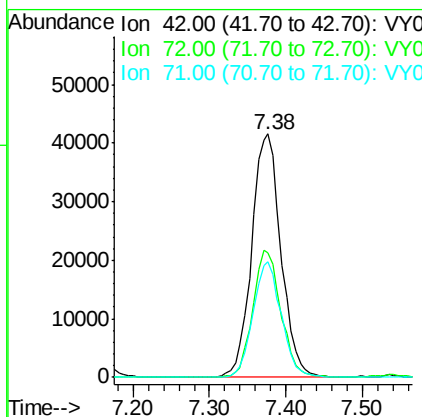
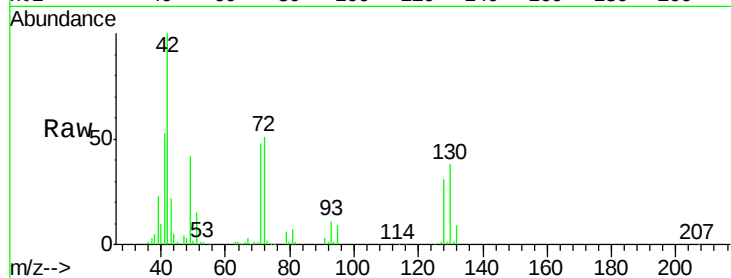
#29
Tetrahydrofuran
Concen: 254.129 ug/l
RT: 7.38 min Scan# 925
Delta R.T. 0.01 min
Lab File: VY002323.D
Acq: 14 Apr 2020 20:38

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	50.1	36.7	55.1
71	45.9	34.7	52.1

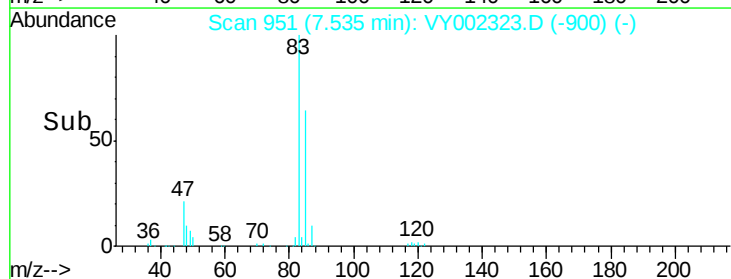
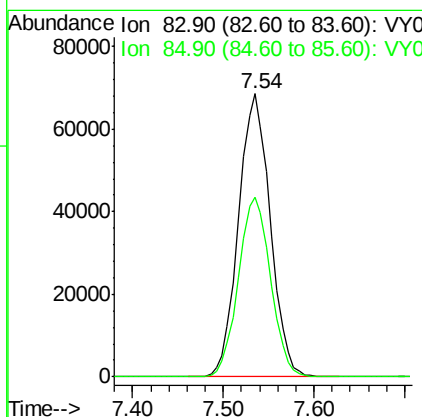
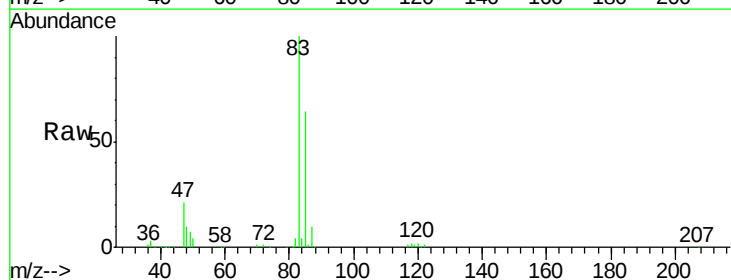
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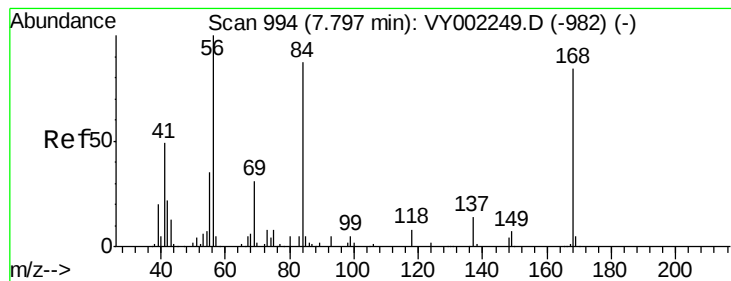
MMDadoda
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#30
Chloroform
Concen: 55.429 ug/l
RT: 7.54 min Scan# 951
Delta R.T. 0.01 min
Lab File: VY002323.D
Acq: 14 Apr 2020 20:38

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	52.0	78.0





#31

Cyclohexane

Concen: 49.698 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.01 min

Lab File: VY002323.D

Acq: 14 Apr 2020 20:38

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 165904

Ion Ratio Lower Upper

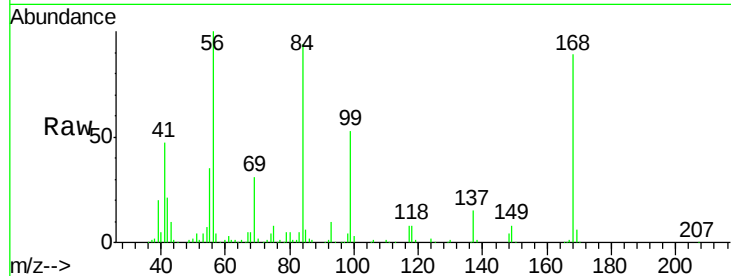
56 100

69 31.1 25.0 37.6

84 92.7 69.7 104.5

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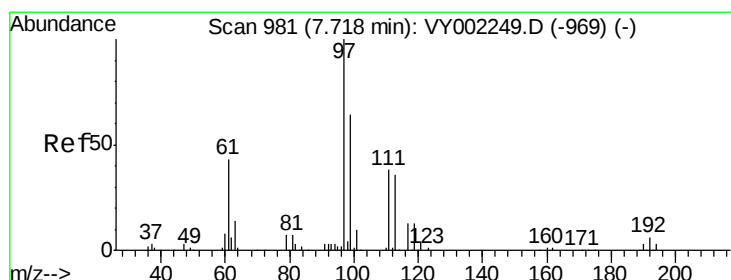
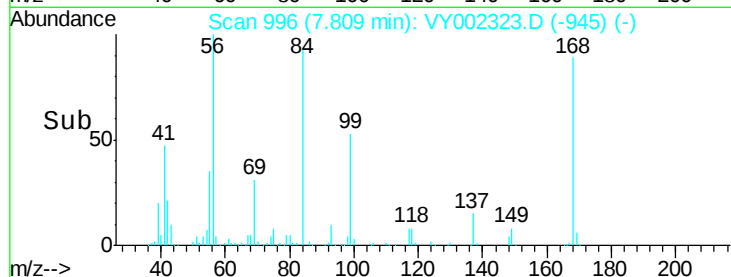
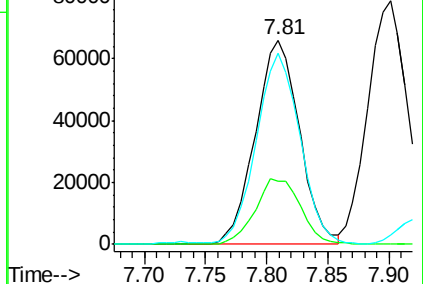
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Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0



#32

1,1,1-Trichloroethane

Concen: 53.440 ug/l

RT: 7.73 min Scan# 983

Delta R.T. 0.01 min

Lab File: VY002323.D

Acq: 14 Apr 2020 20:38

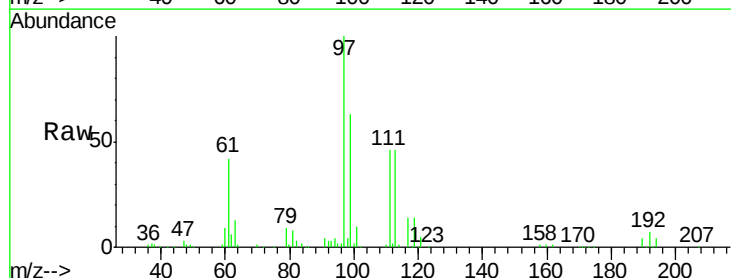
Tgt Ion: 97 Resp: 133344

Ion Ratio Lower Upper

97 100

99 63.9 51.3 76.9

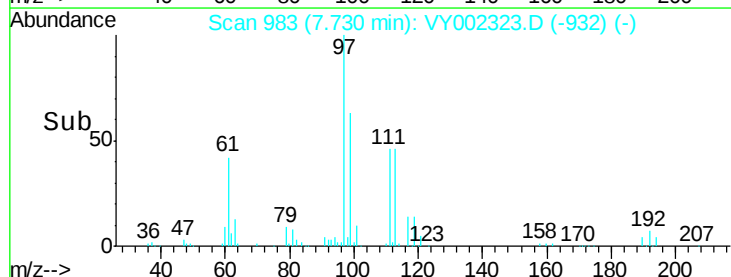
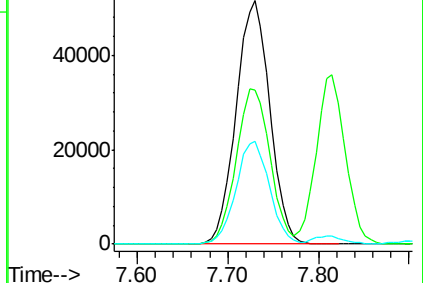
61 41.8 34.3 51.5

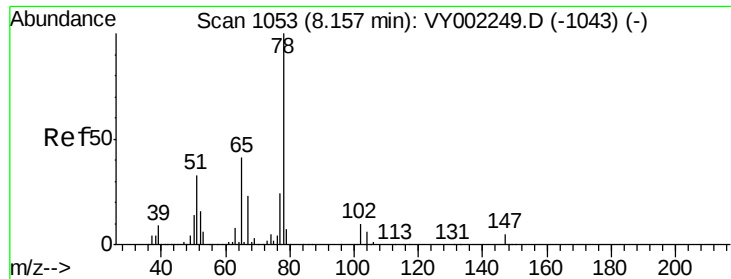


Abundance Ion 96.90 (96.60 to 97.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

Ion 60.90 (60.60 to 61.60): VY0





#33

1,2-Dichloroethane-d4

Concen: 48.823 ug/l

RT: 8.16 min Scan# 1054

Delta R.T. 0.01 min

Lab File: VY002323.D

Acq: 14 Apr 2020 20:38

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 77363

Ion Ratio Lower Upper

65 100

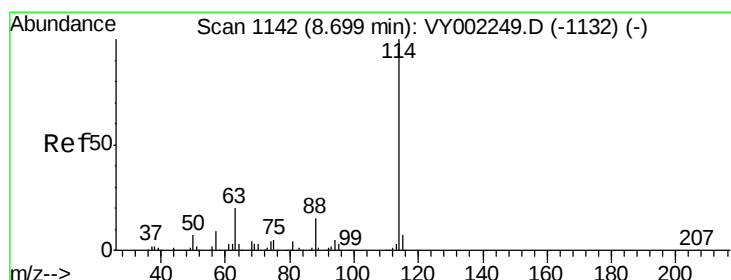
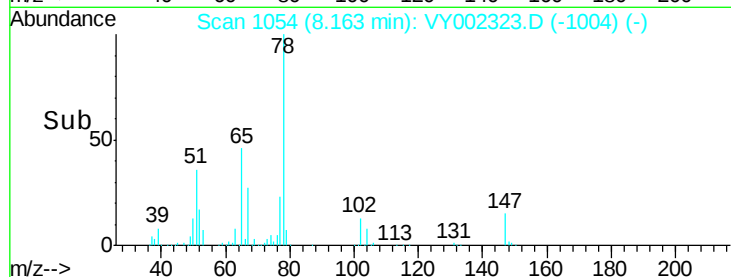
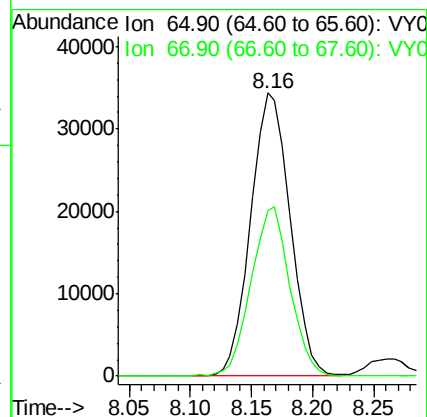
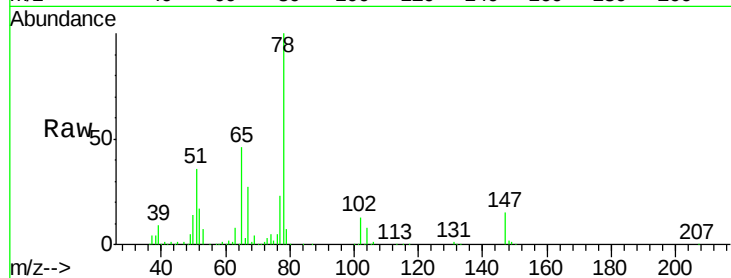
67 58.9 0.0 114.0

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.71 min Scan# 1144

Delta R.T. 0.01 min

Lab File: VY002323.D

Acq: 14 Apr 2020 20:38

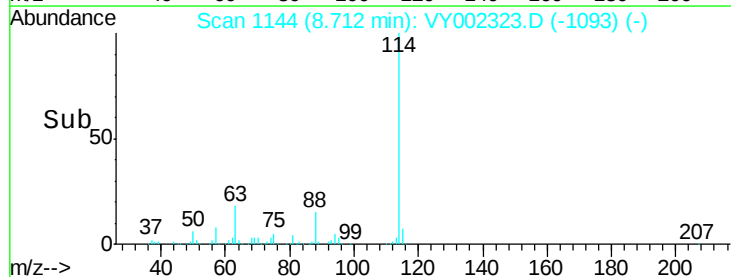
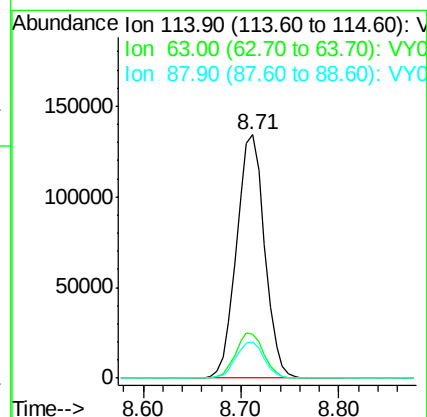
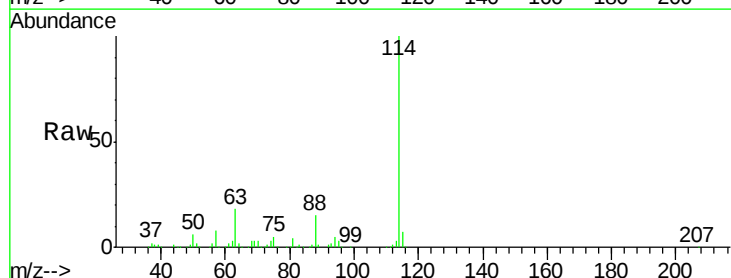
Tgt Ion: 114 Resp: 266713

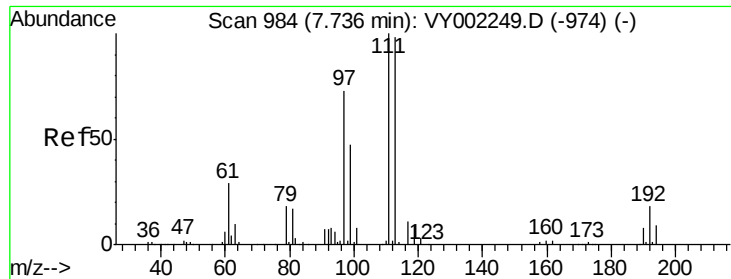
Ion Ratio Lower Upper

114 100

63 18.3 0.0 39.0

88 15.1 0.0 31.0





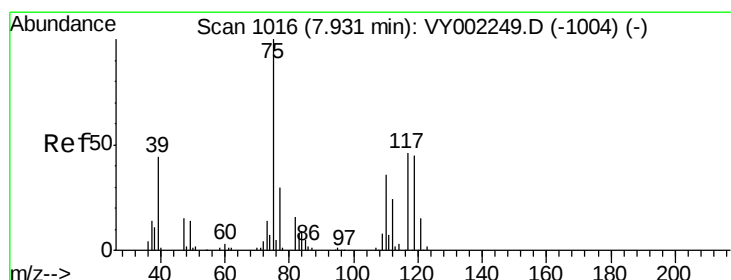
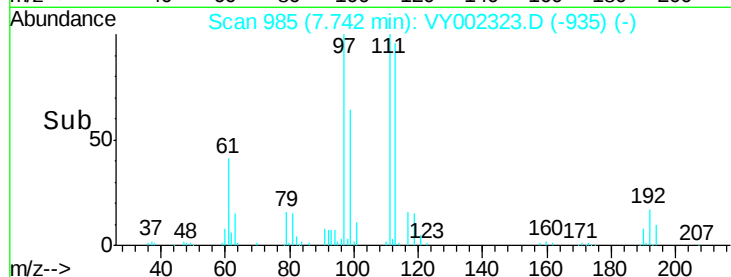
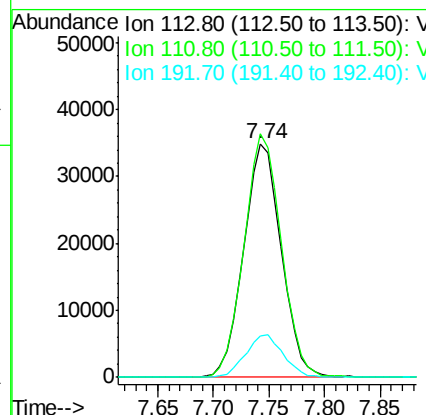
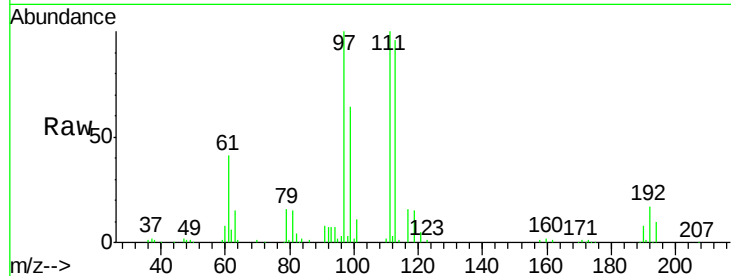
#35
 Dibromofluoromethane
 Concen: 51.654 ug/l
 RT: 7.74 min Scan# 985
 Delta R.T. 0.01 min
 Lab File: VY002323.D
 Acq: 14 Apr 2020 20:38

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.6	83.5	125.3
192	18.2	14.7	22.1

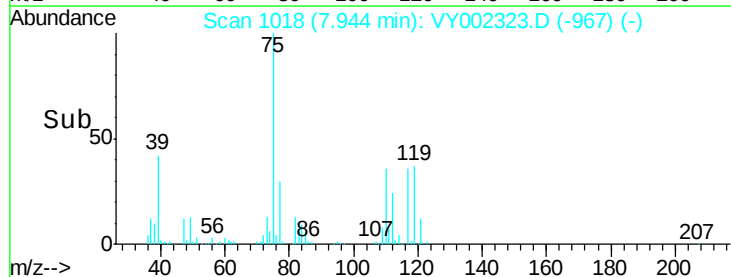
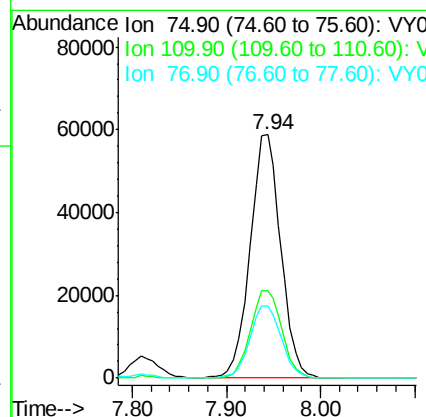
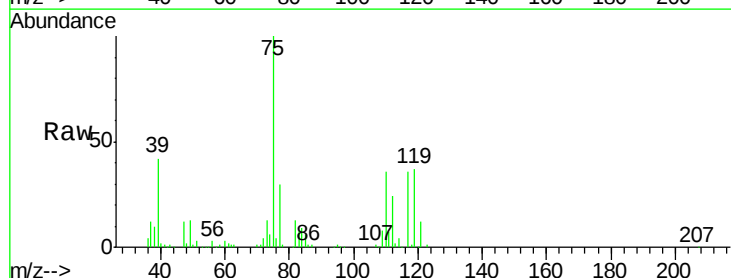
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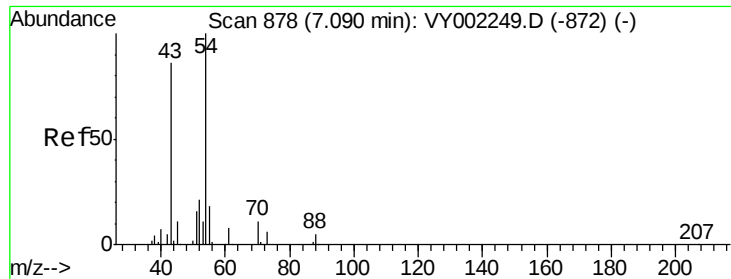
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#36
 1,1-Dichloropropene
 Concen: 51.203 ug/l
 RT: 7.94 min Scan# 1018
 Delta R.T. 0.01 min
 Lab File: VY002323.D
 Acq: 14 Apr 2020 20:38

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.7	17.8	53.3
77	30.4	24.4	36.6





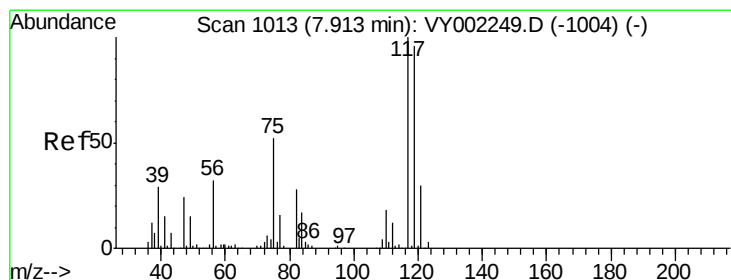
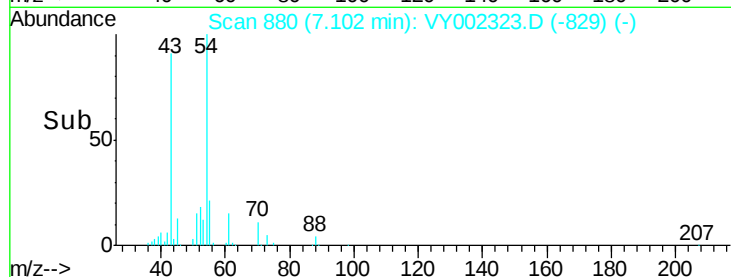
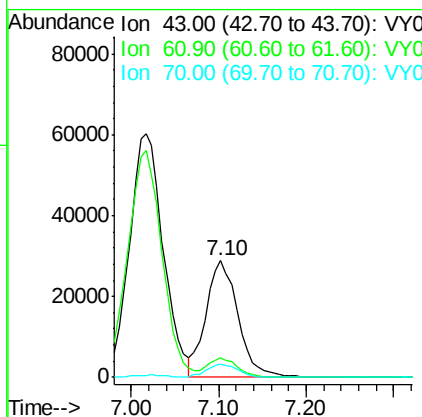
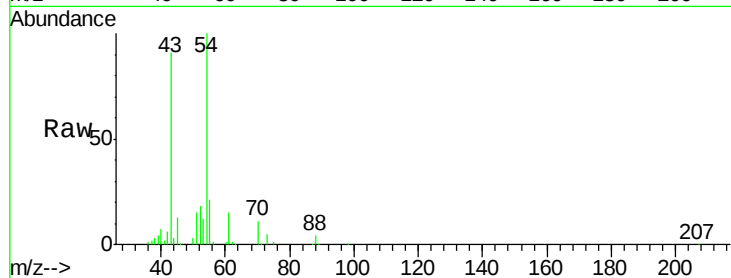
#37
Ethyl Acetate
Concen: 49.431 ug/l
RT: 7.10 min Scan# 880
Delta R.T. 0.01 min
Lab File: VY002323.D
Acq: 14 Apr 2020 20:38

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.9	11.8	17.6
70	11.0	9.1	13.7

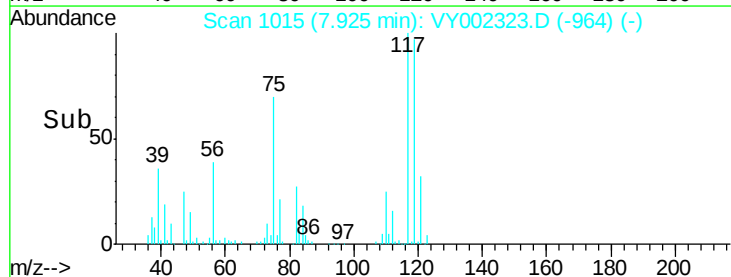
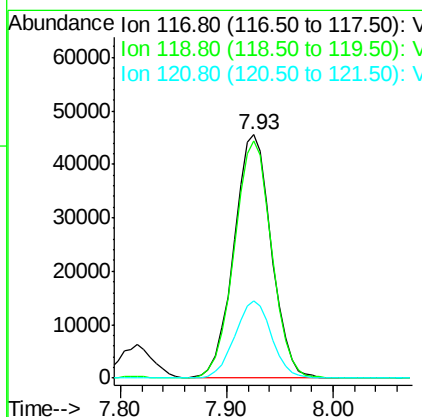
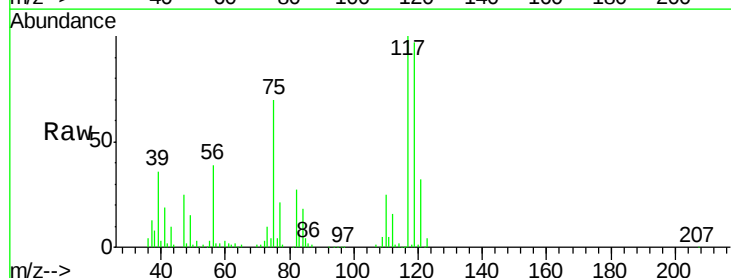
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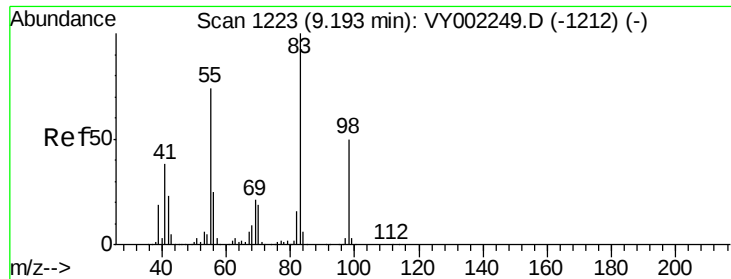
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#38
Carbon Tetrachloride
Concen: 49.941 ug/l
RT: 7.93 min Scan# 1015
Delta R.T. 0.01 min
Lab File: VY002323.D
Acq: 14 Apr 2020 20:38

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.4	77.1	115.7
121	31.8	23.9	35.9





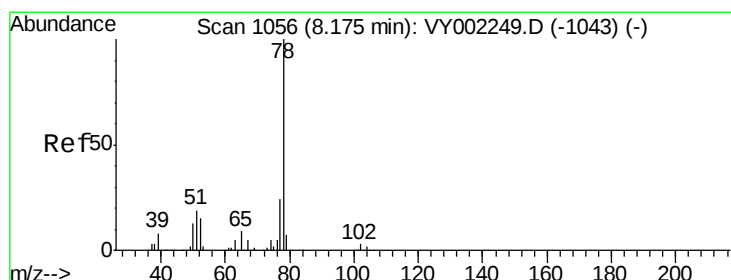
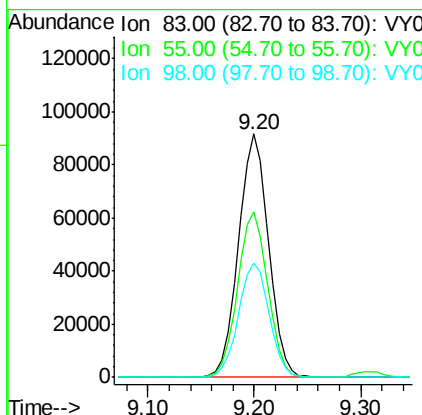
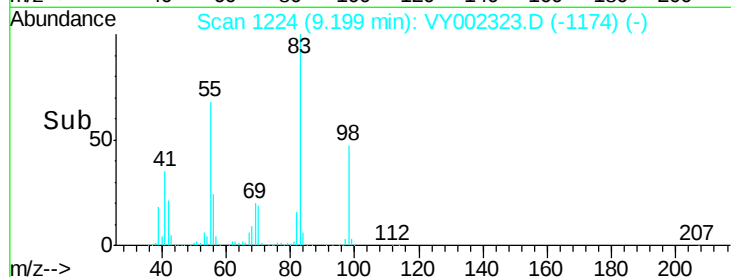
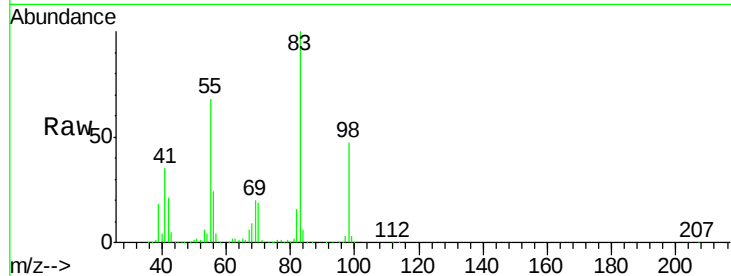
#39
Methvlcvclohexane
Concen: 50.975 ug/l
RT: 9.20 min Scan# 1224
Delta R.T. 0.01 min
Lab File: VY002323.D
Acq: 14 Apr 2020 20:38

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	68.0	59.3	88.9
98	47.0	39.6	59.4

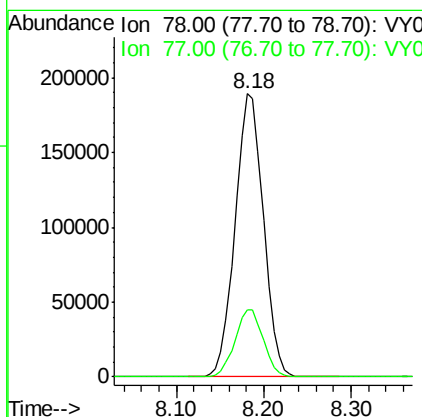
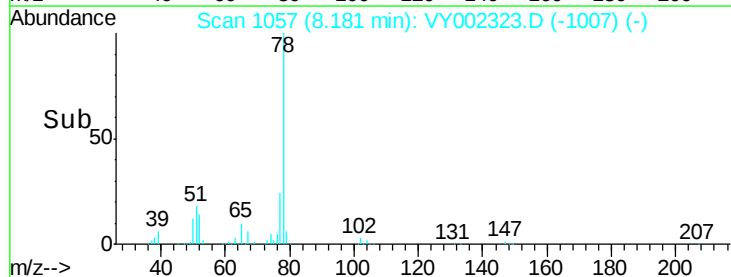
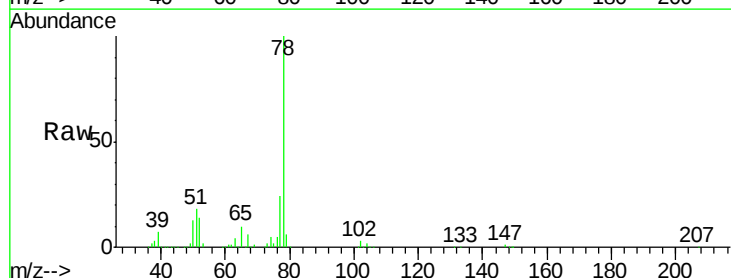
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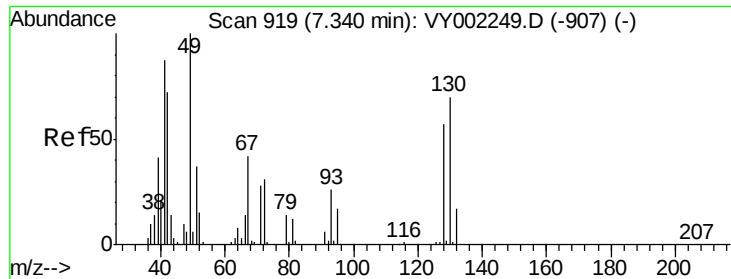
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#40
Benzene
Concen: 53.366 ug/l
RT: 8.18 min Scan# 1057
Delta R.T. 0.01 min
Lab File: VY002323.D
Acq: 14 Apr 2020 20:38

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.9	28.3





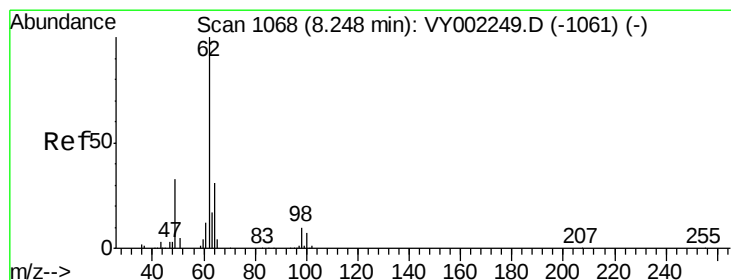
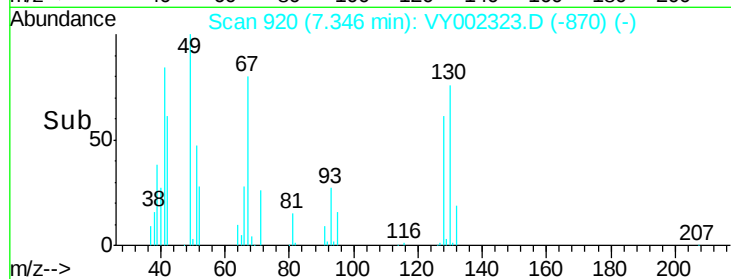
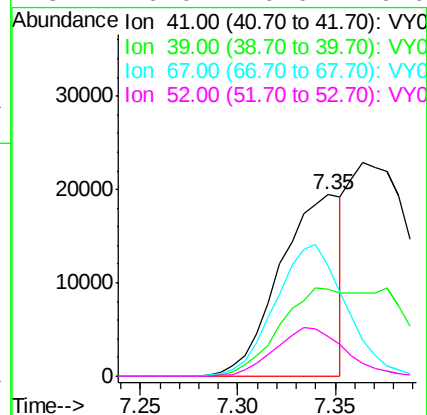
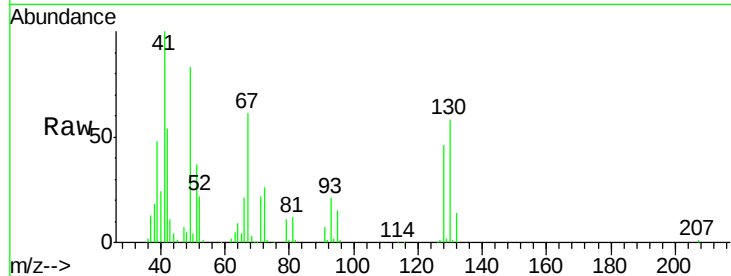
#41
Methacrylonitrile
Concen: 48.388 ug/l m
RT: 7.35 min Scan# 920
Delta R.T. 0.01 min
Lab File: VY002323.D
Acq: 14 Apr 2020 20:38

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	41	Resp	42840
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

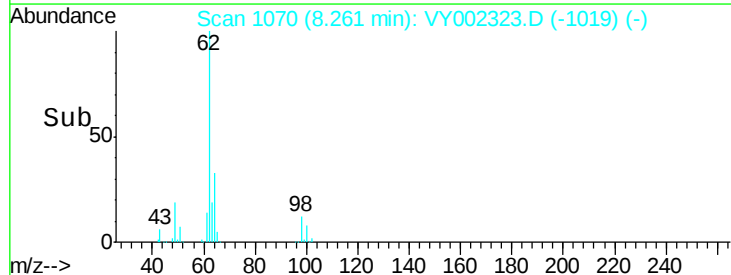
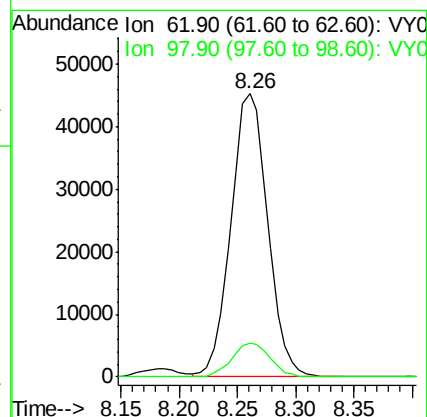
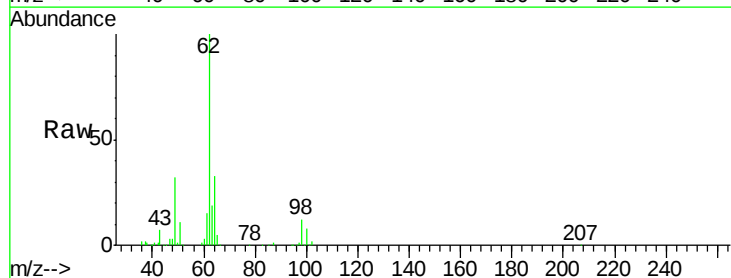
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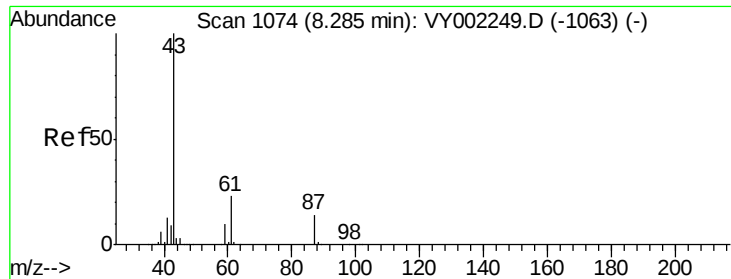
MMDadoda
4/15/2020 9:38:34 AM



#42
1,2-Dichloroethane
Concen: 50.422 ug/l
RT: 8.26 min Scan# 1070
Delta R.T. 0.01 min
Lab File: VY002323.D
Acq: 14 Apr 2020 20:38

Tgt Ion	62	Resp	99555
Ion	Ratio	Lower	Upper
62	100		
98	12.2	0.0	22.6





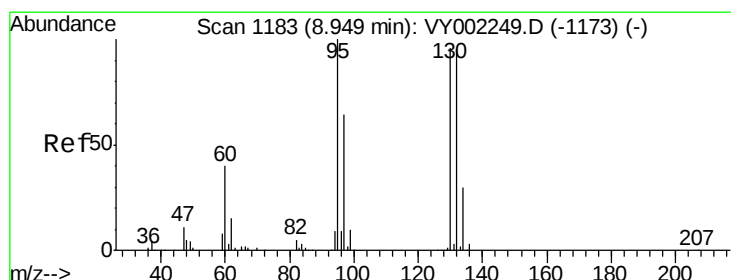
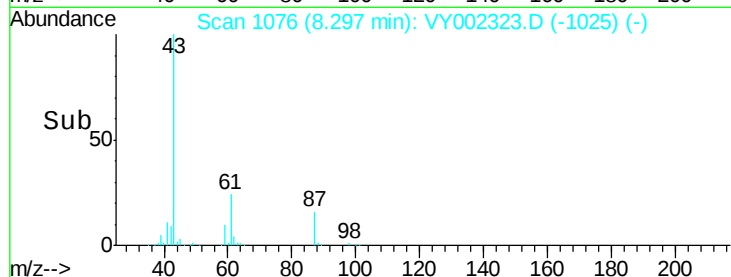
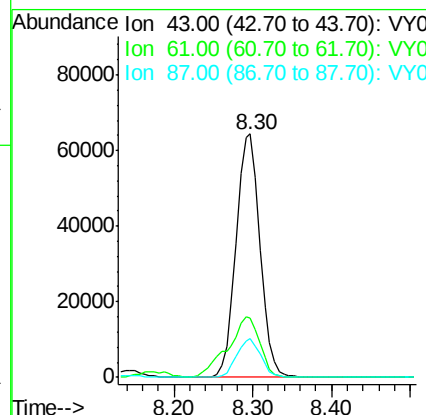
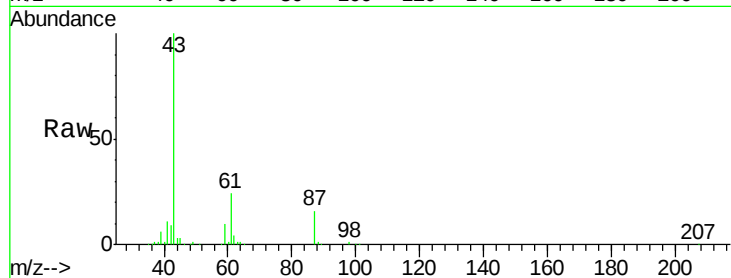
#43
Isopropyl Acetate
Concen: 49.667 ug/l
RT: 8.30 min Scan# 1076
Delta R.T. 0.01 min
Lab File: VY002323.D
Acq: 14 Apr 2020 20:38

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	33.1	24.9	37.3
87	15.8	11.7	17.5

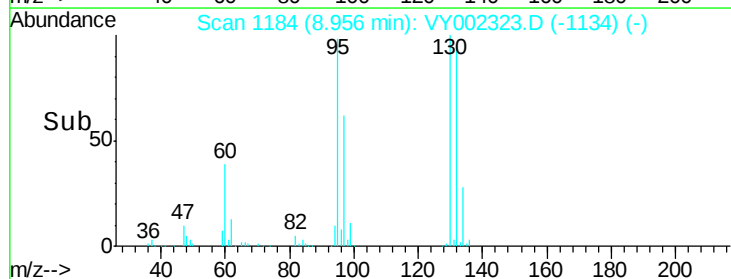
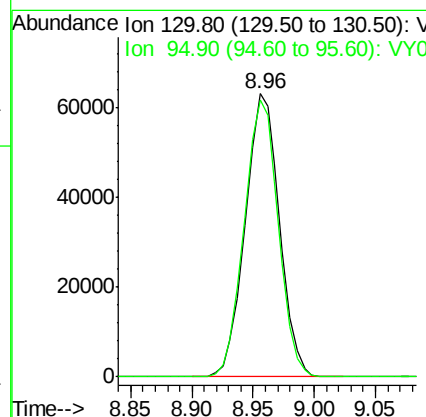
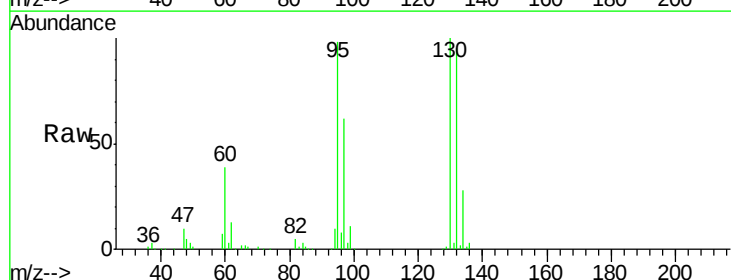
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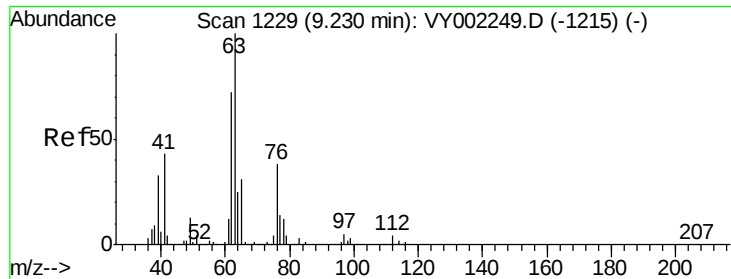
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#44
Trichloroethene
Concen: 52.104 ug/l
RT: 8.96 min Scan# 1184
Delta R.T. 0.01 min
Lab File: VY002323.D
Acq: 14 Apr 2020 20:38

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.0	0.0	208.2





#45

1,2-Dichloropropane

Concen: 53.505 ug/l

RT: 9.23 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VY002323.D

Acq: 14 Apr 2020 20:38

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 105814

Ion Ratio Lower Upper

63 100

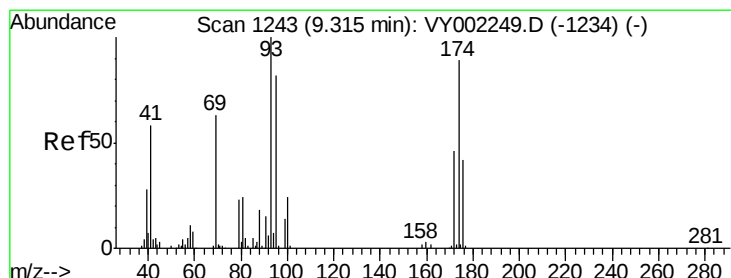
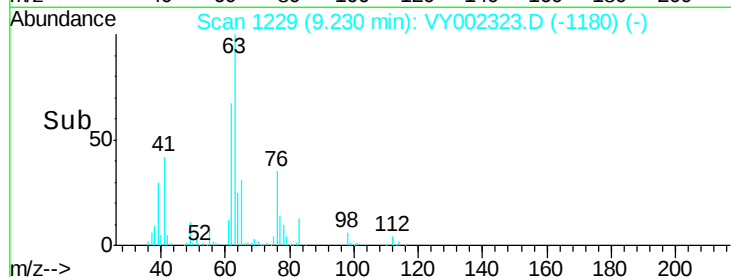
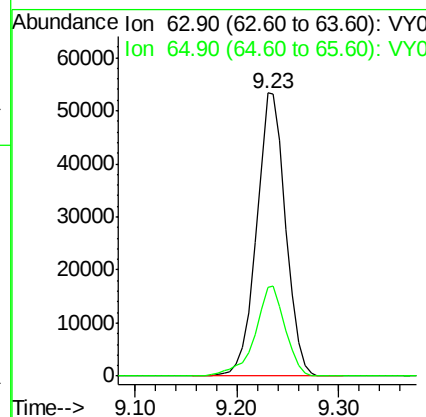
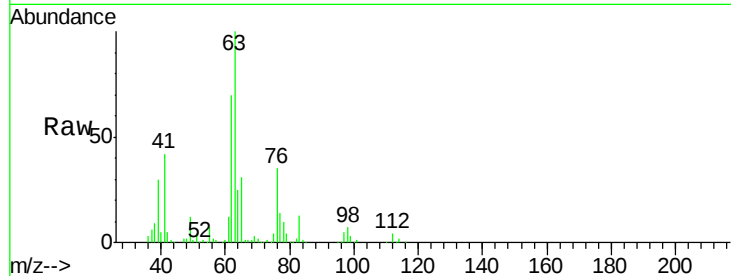
65 31.2 24.6 37.0

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#46

Dibromomethane

Concen: 54.406 ug/l

RT: 9.32 min Scan# 1244

Delta R.T. 0.01 min

Lab File: VY002323.D

Acq: 14 Apr 2020 20:38

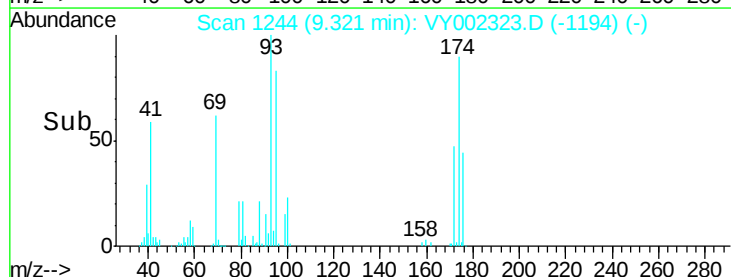
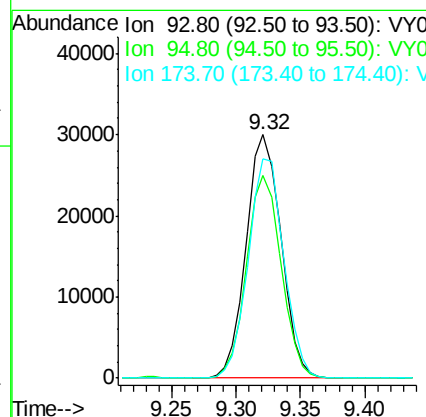
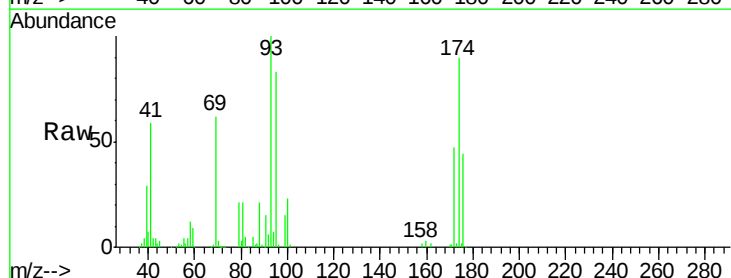
Tgt Ion: 93 Resp: 56257

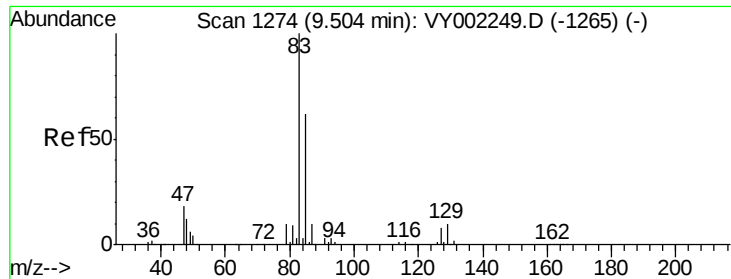
Ion Ratio Lower Upper

93 100

95 82.6 67.3 100.9

174 91.6 72.5 108.7





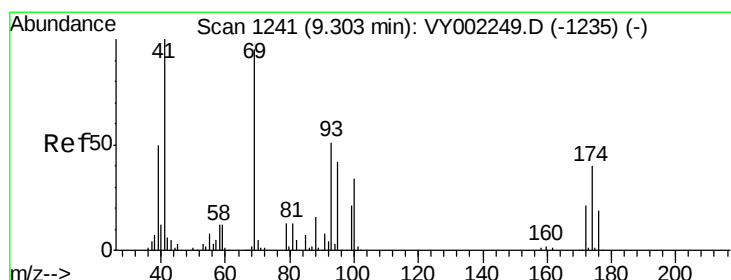
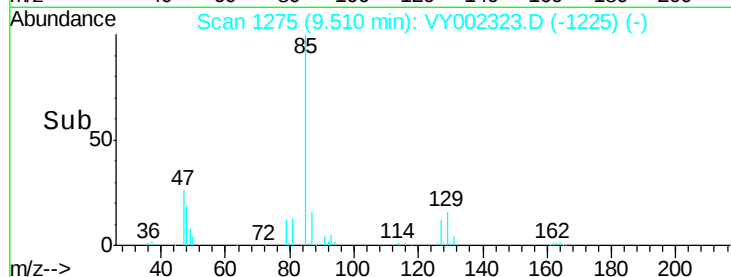
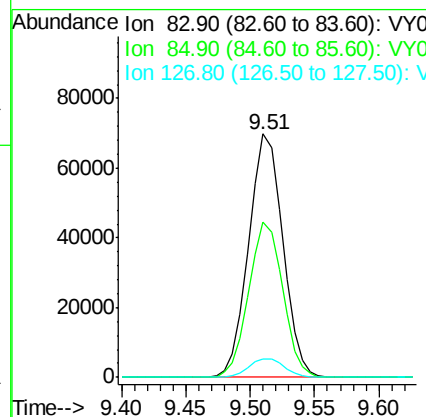
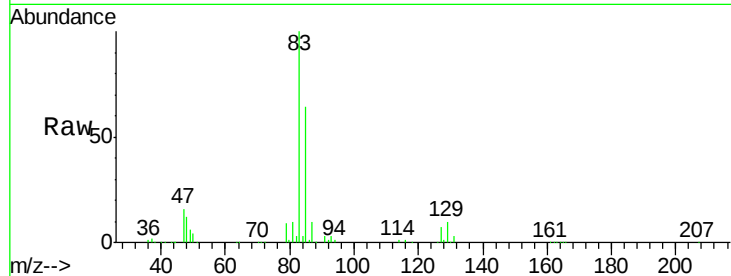
#47
Bromodichloromethane
Concen: 54.024 ug/l
RT: 9.51 min Scan# 1275
Delta R.T. 0.01 min
Lab File: VY002323.D
Acq: 14 Apr 2020 20:38

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	128178
Ion Ratio	100	Lower	Upper
83	100		
85	63.6	49.7	74.5
127	7.5	6.2	9.4

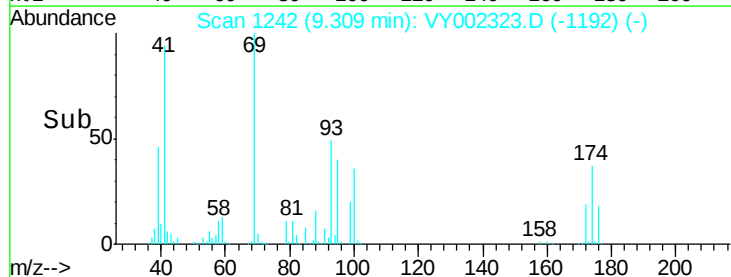
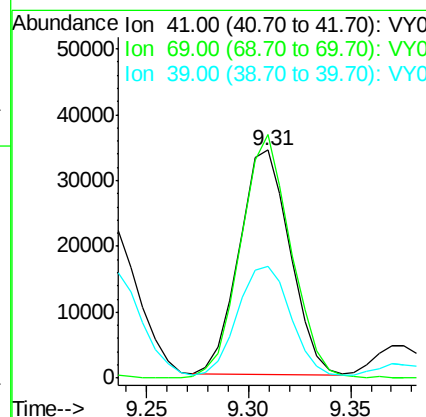
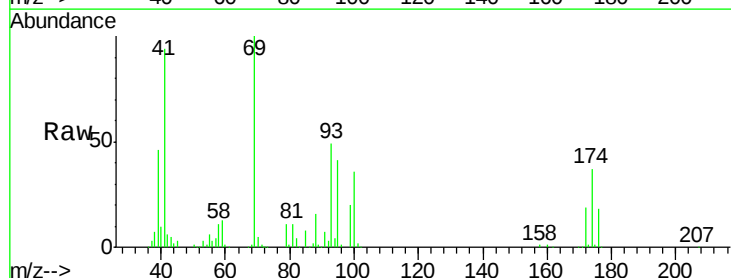
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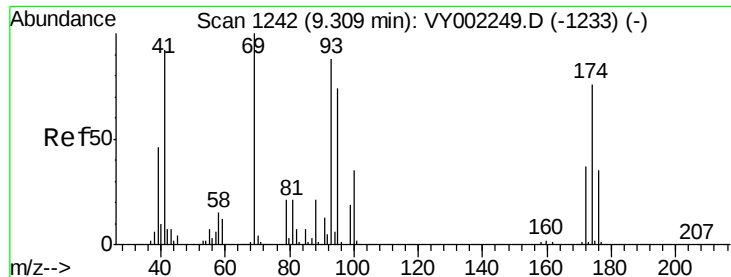
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#48
Methyl methacrylate
Concen: 48.478 ug/l
RT: 9.31 min Scan# 1242
Delta R.T. 0.01 min
Lab File: VY002323.D
Acq: 14 Apr 2020 20:38

Tgt Ion	41	Resp	59498
Ion Ratio	100	Lower	Upper
41	100		
69	106.4	76.7	115.1
39	53.1	40.5	60.7





#49

1,4-Dioxane

Concen: 1098.048 ug/l

RT: 9.32 min Scan# 1244

Delta R.T. 0.01 min

Lab File: VY002323.D

Acq: 14 Apr 2020 20:38

Instrument :

MSVOA_Y

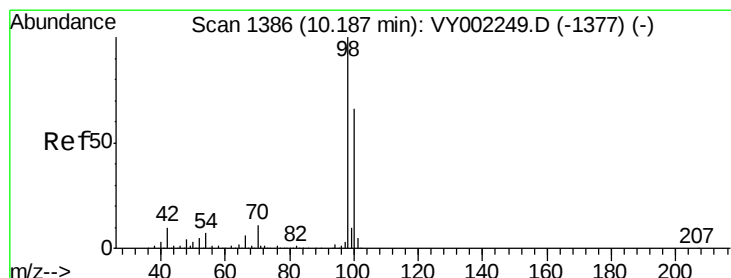
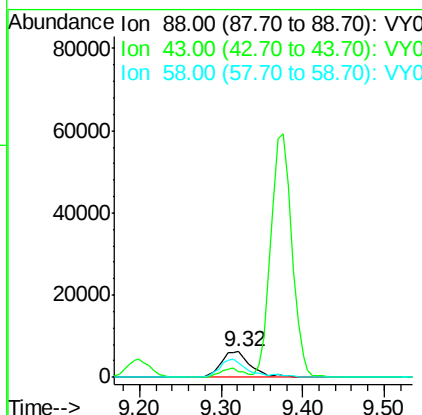
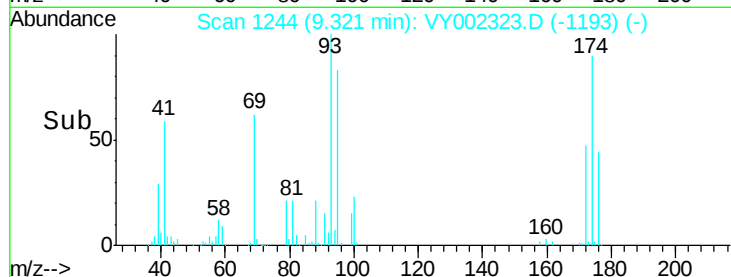
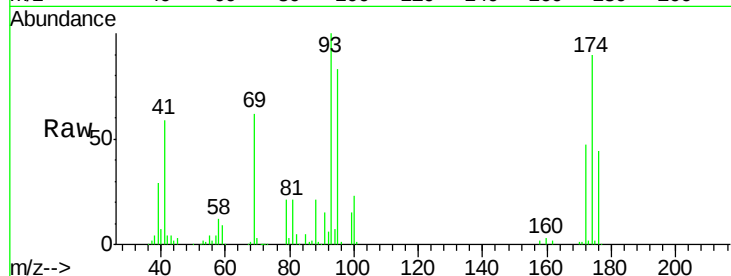
ClientSampleId :

VSTDCCC050EC

Tot Ion:	88	Resp:	16061
Ion	Ratio	Lower	Upper
88	100		
43	24.5	22.2	33.2
58	62.3	57.6	86.4

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#50

Toluene-d8

Concen: 50.408 ug/l

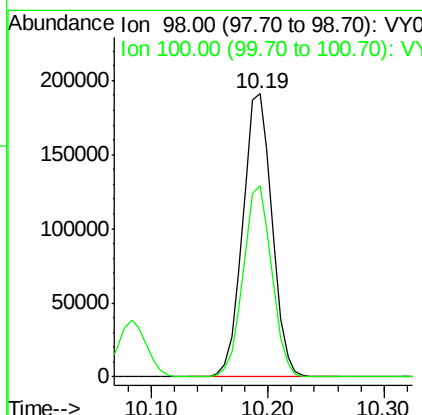
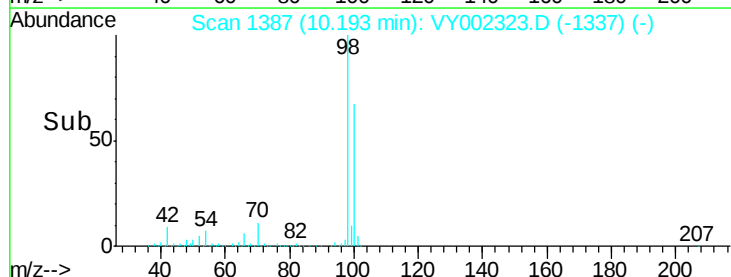
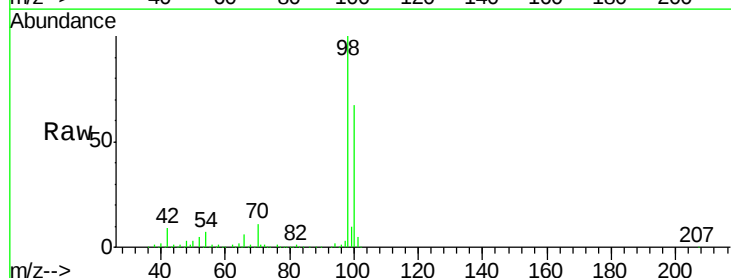
RT: 10.19 min Scan# 1387

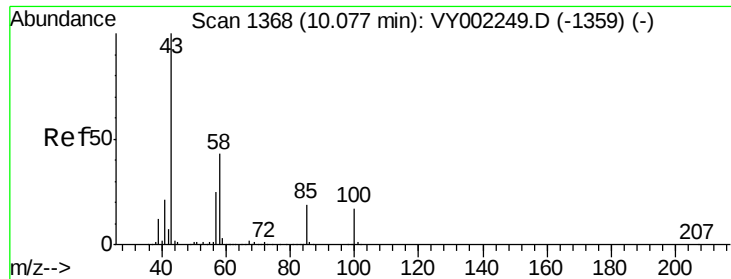
Delta R.T. 0.01 min

Lab File: VY002323.D

Acq: 14 Apr 2020 20:38

Tgt Ion:	98	Resp:	334840
Ion	Ratio	Lower	Upper
98	100		
100	66.1	52.6	78.8





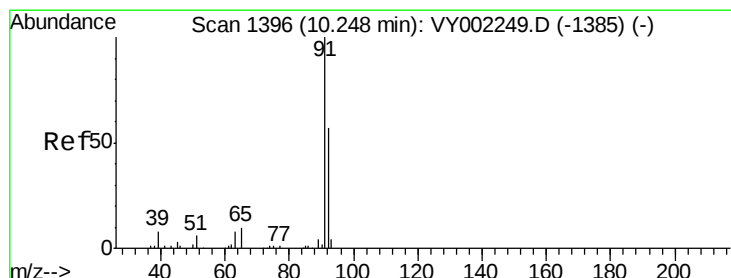
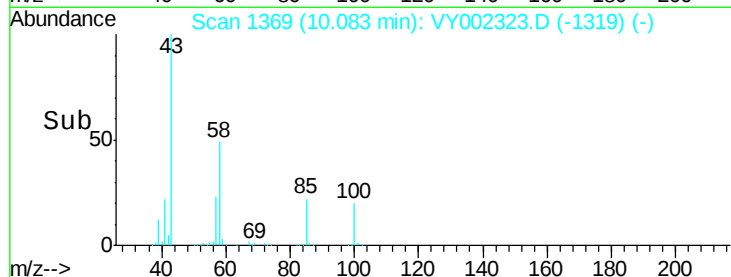
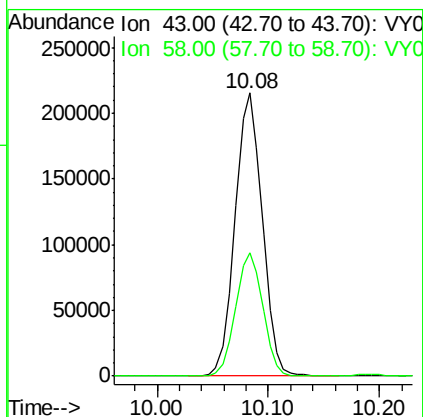
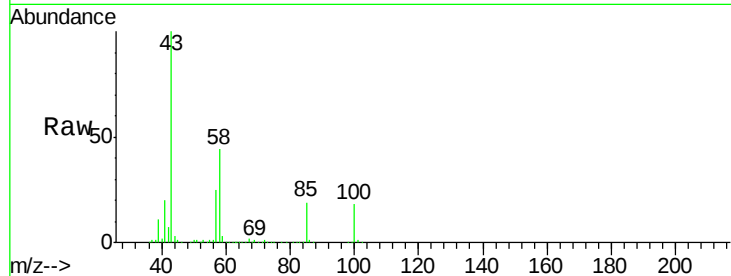
#51
4-Methyl-2-Pentanone
Concen: 255.344 ug/l
RT: 10.08 min Scan# 1369
Delta R.T. 0.01 min
Lab File: VY002323.D
Acq: 14 Apr 2020 20:38

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	364189
Ion Ratio	100	Lower	Upper
43	100		
58	43.7	33.8	50.8

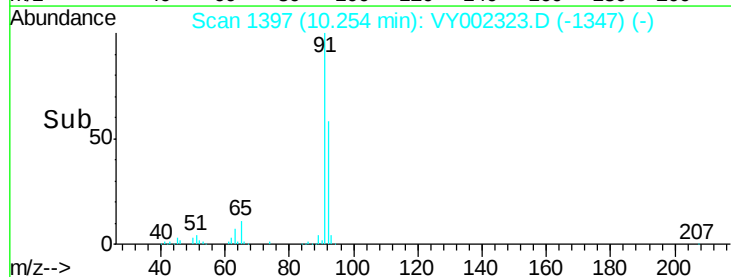
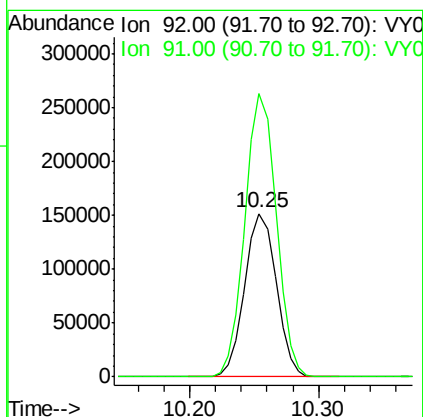
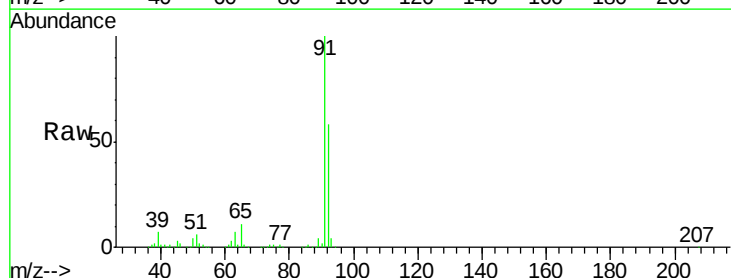
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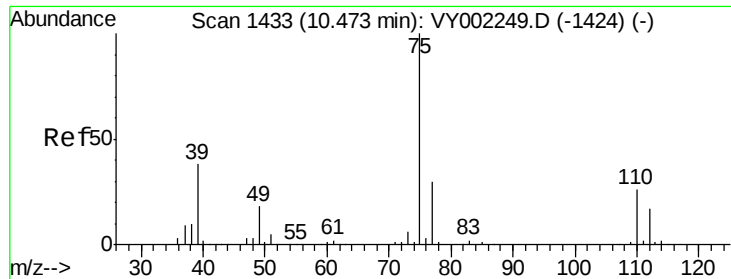
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#52
Toluene
Concen: 53.587 ug/l
RT: 10.25 min Scan# 1397
Delta R.T. 0.01 min
Lab File: VY002323.D
Acq: 14 Apr 2020 20:38

Tgt Ion	92	Resp	257405
Ion Ratio	100	Lower	Upper
92	100		
91	172.2	139.0	208.6





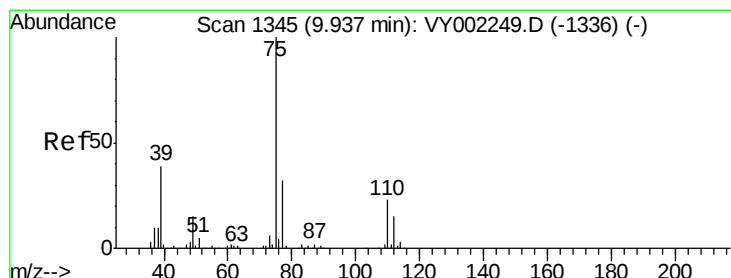
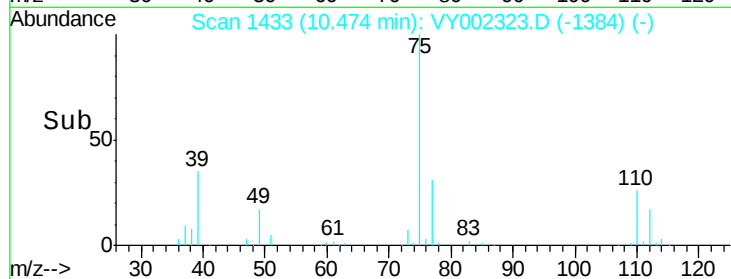
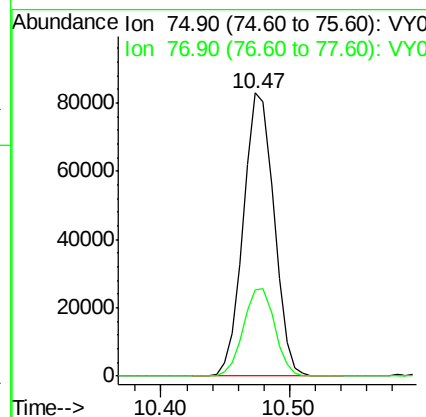
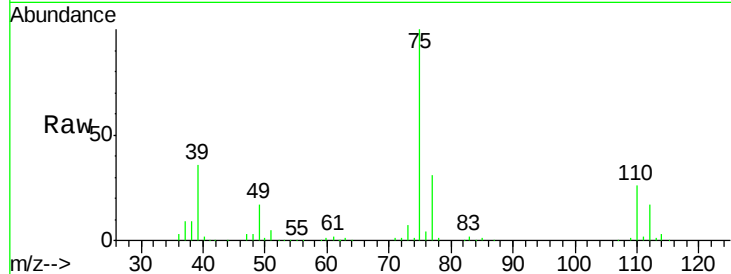
#53
t-1,3-Dichloropropene
Concen: 52.977 ug/l
RT: 10.47 min Scan# 1433
Delta R.T. 0.00 min
Lab File: VY002323.D
Acq: 14 Apr 2020 20:38

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.5	24.2	36.2

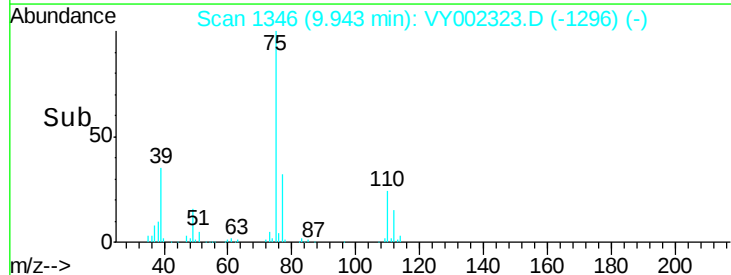
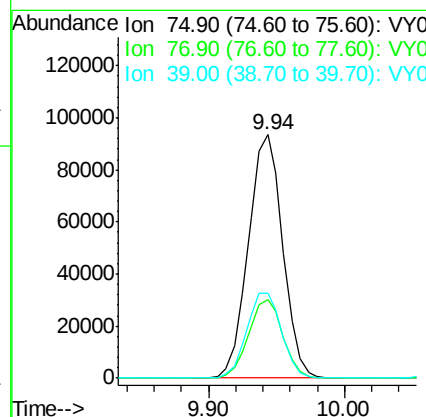
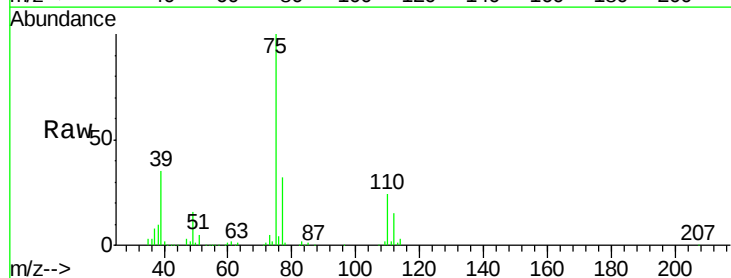
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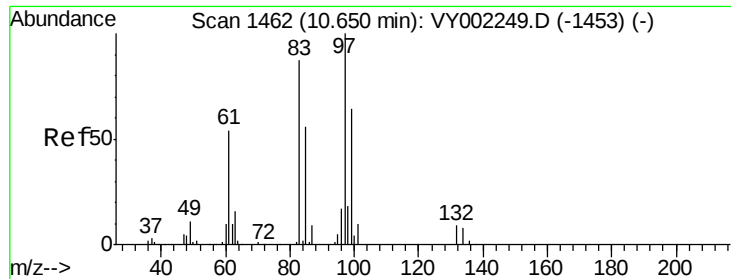
MMDadoda
4/15/2020 9:38:34 AM



#54
cis-1,3-Dichloropropene
Concen: 53.094 ug/l
RT: 9.94 min Scan# 1346
Delta R.T. 0.01 min
Lab File: VY002323.D
Acq: 14 Apr 2020 20:38

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.3	25.8	38.8
39	35.0	30.8	46.2





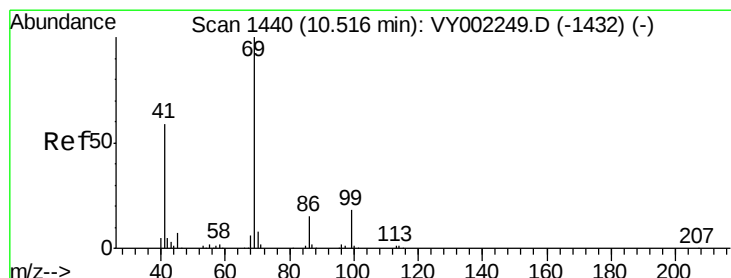
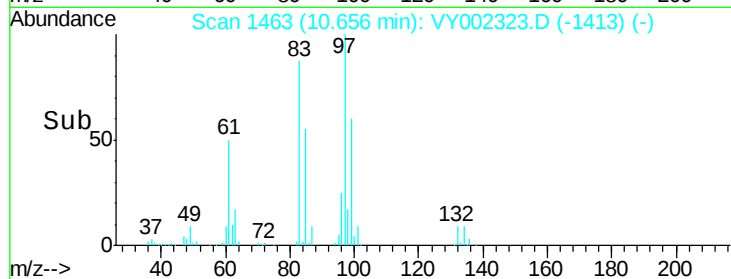
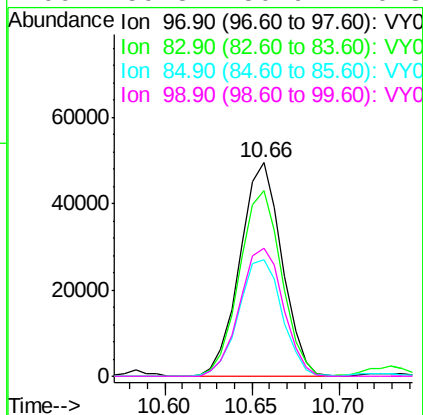
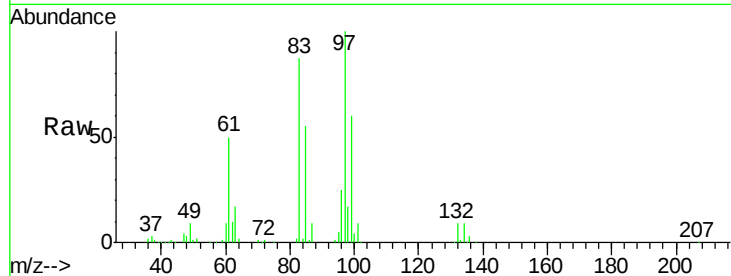
#55
 1,1,2-Trichloroethane
 Concen: 54.774 ug/l
 RT: 10.66 min Scan# 1463
 Delta R.T. 0.01 min
 Lab File: VY002323.D
 Acq: 14 Apr 2020 20:38

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	82920
Ion	Ratio	Lower	Upper
97	100		
83	87.0	69.5	104.3
85	54.7	45.2	67.8
99	59.8	50.9	76.3

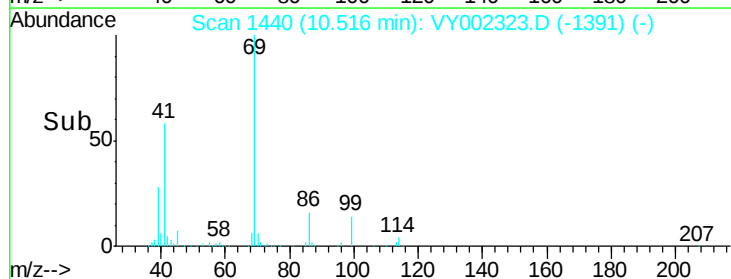
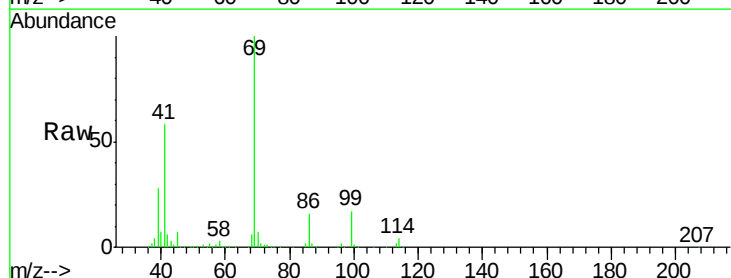
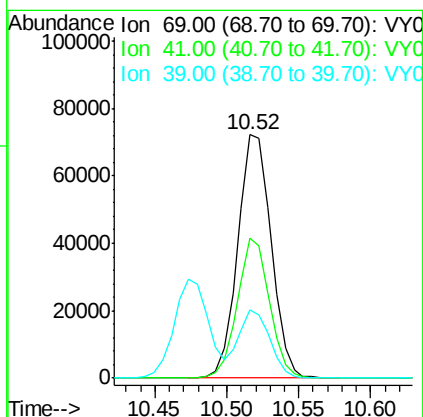
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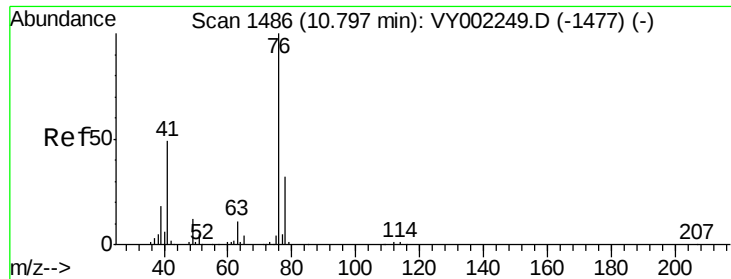
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#56
 Ethyl methacrylate
 Concen: 53.882 ug/l
 RT: 10.52 min Scan# 1440
 Delta R.T. 0.00 min
 Lab File: VY002323.D
 Acq: 14 Apr 2020 20:38

Tgt Ion:	69	Resp:	116420
Ion	Ratio	Lower	Upper
69	100		
41	54.6	47.9	71.9
39	26.5	23.8	35.6





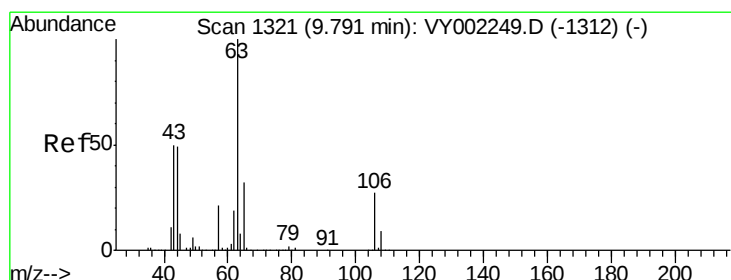
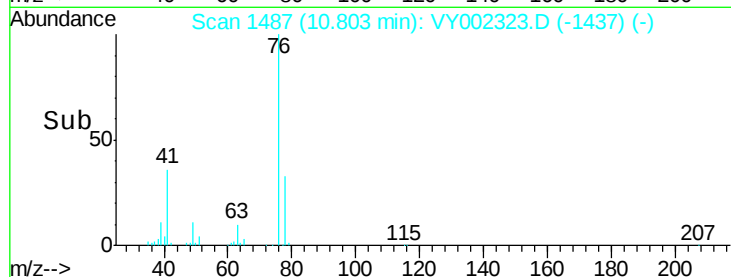
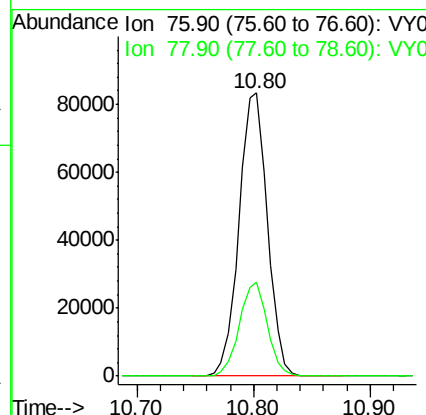
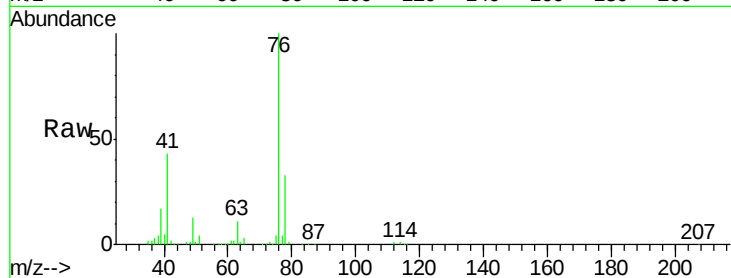
#57
 1,3-Dichloropropane
 Concen: 53.177 ug/l
 RT: 10.80 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VY002323.D
 Acq: 14 Apr 2020 20:38

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.8	38.6

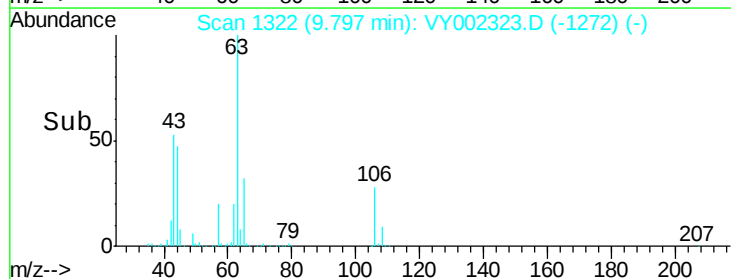
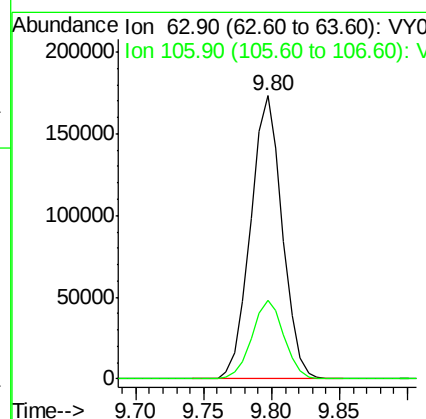
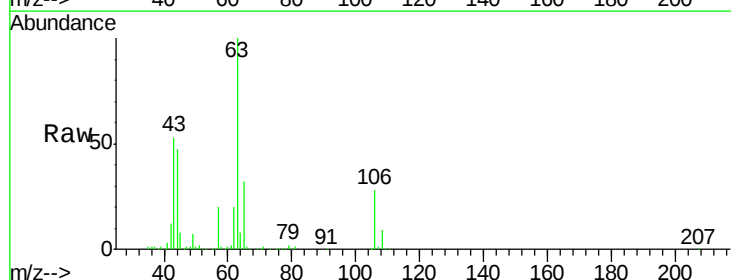
Manual Integrations
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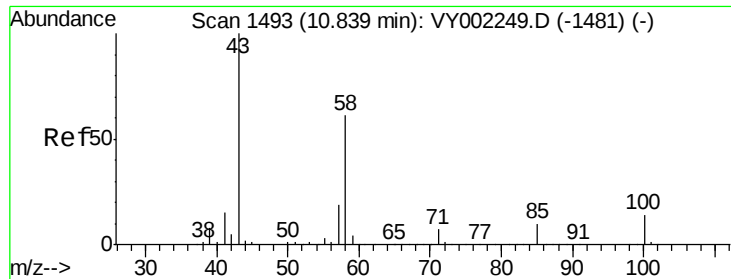
MMDadoda
 4/15/2020 9:38:34 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 252.758 ug/l
 RT: 9.80 min Scan# 1322
 Delta R.T. 0.01 min
 Lab File: VY002323.D
 Acq: 14 Apr 2020 20:38

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.9	22.2	33.2





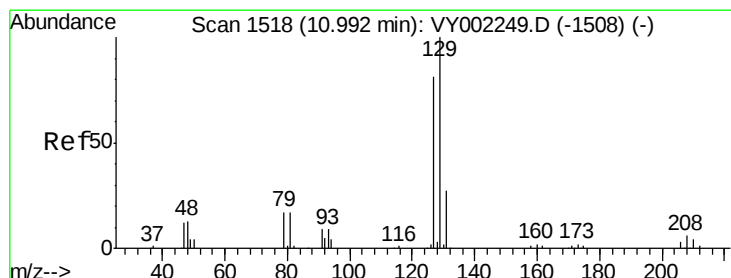
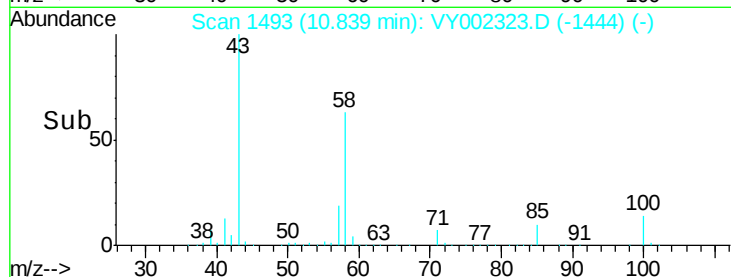
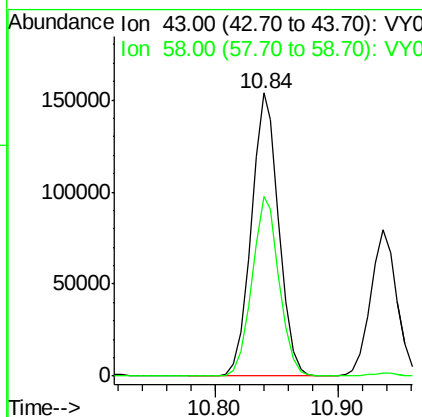
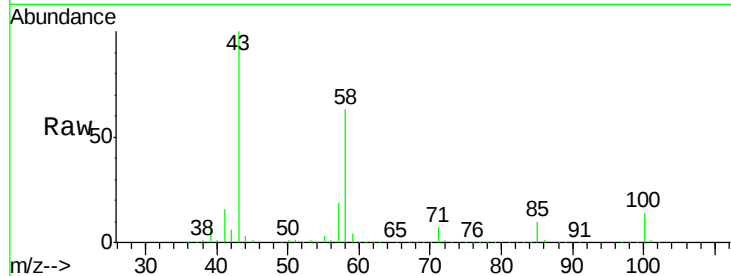
#59
2-Hexanone
Concen: 241.684 ug/l
RT: 10.84 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VY002323.D
Acq: 14 Apr 2020 20:38

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 239236
Ion Ratio Lower Upper
43 100
58 62.8 29.8 89.3

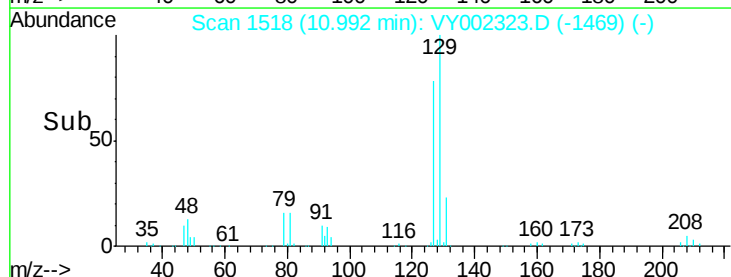
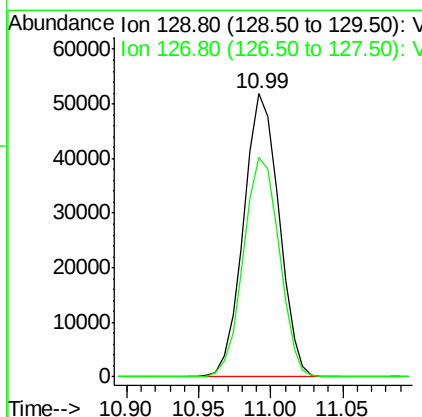
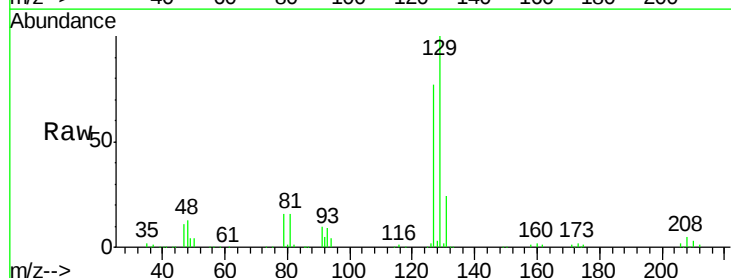
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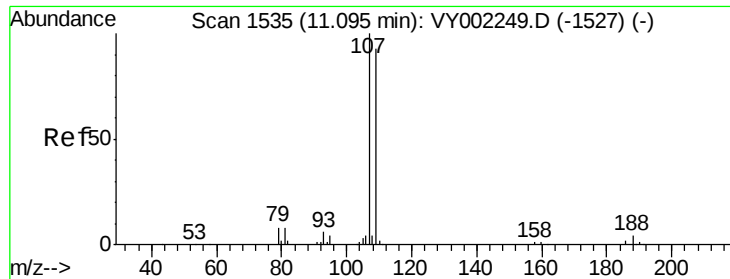
MMDadoda
4/15/2020 9:38:34 AM



#60
Dibromochloromethane
Concen: 54.664 ug/l
RT: 10.99 min Scan# 1518
Delta R.T. 0.00 min
Lab File: VY002323.D
Acq: 14 Apr 2020 20:38

Tgt Ion: 129 Resp: 88241
Ion Ratio Lower Upper
129 100
127 78.5 39.0 117.0





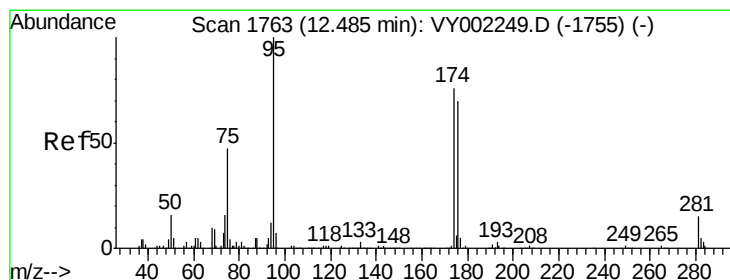
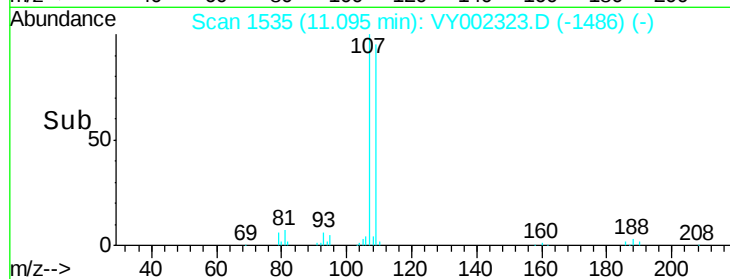
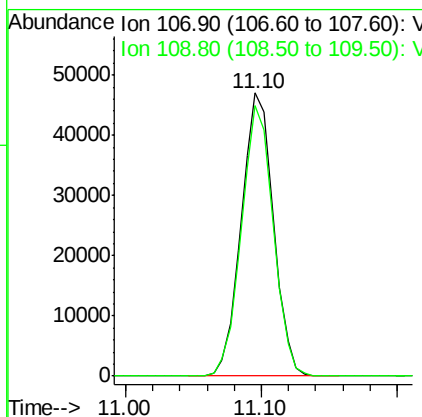
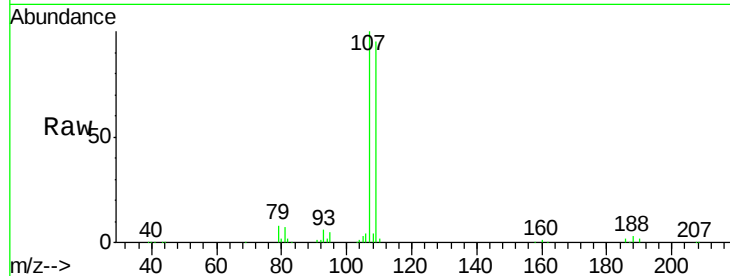
#61
 1,2-Dibromoethane
 Concen: 53.870 ug/l
 RT: 11.10 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VY002323.D
 Acq: 14 Apr 2020 20:38

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 107 Resp: 77638
 Ion Ratio Lower Upper
 107 100
 109 94.9 75.6 113.4

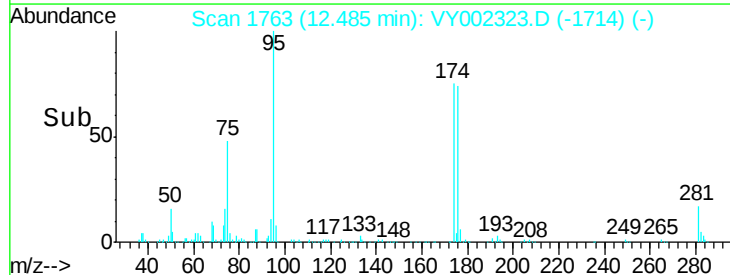
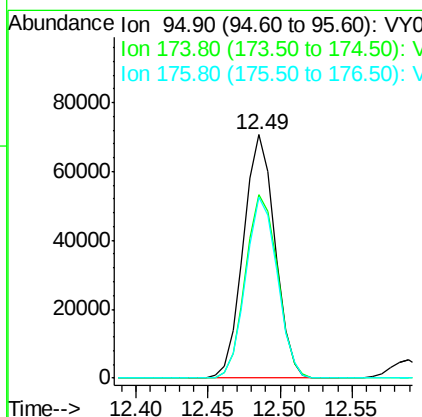
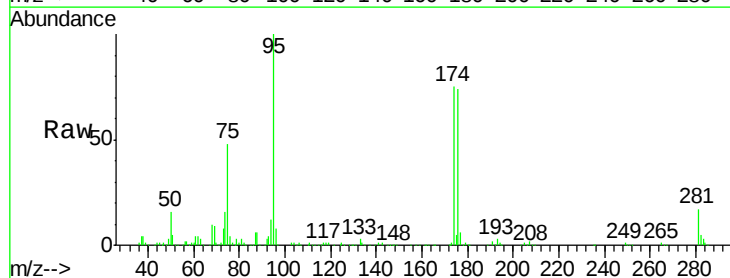
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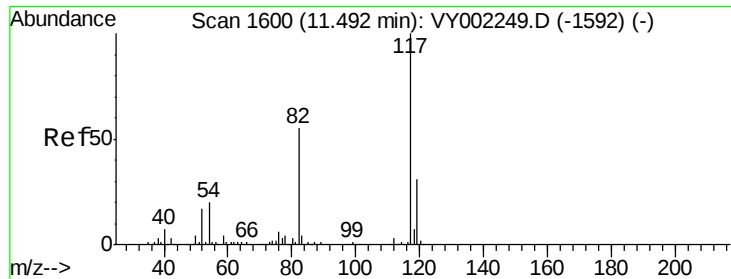
MMDadoda
 4/15/2020 9:38:34 AM



#62
 4-Bromofluorobenzene
 Concen: 48.981 ug/l
 RT: 12.49 min Scan# 1763
 Delta R.T. 0.00 min
 Lab File: VY002323.D
 Acq: 14 Apr 2020 20:38

Tgt Ion: 95 Resp: 107342
 Ion Ratio Lower Upper
 95 100
 174 76.3 0.0 150.6
 176 74.2 0.0 141.4





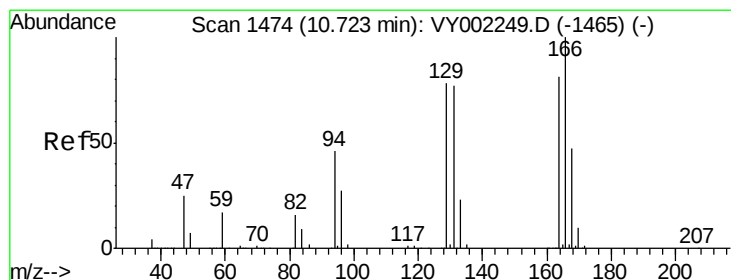
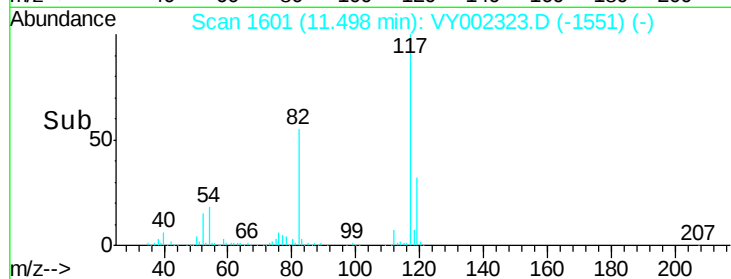
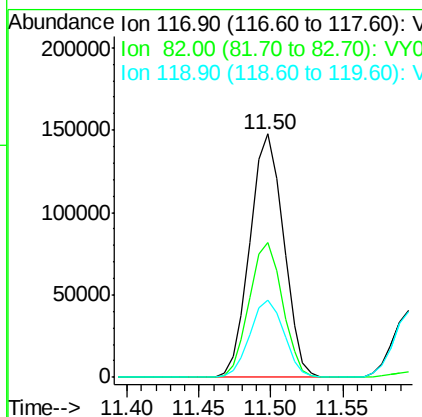
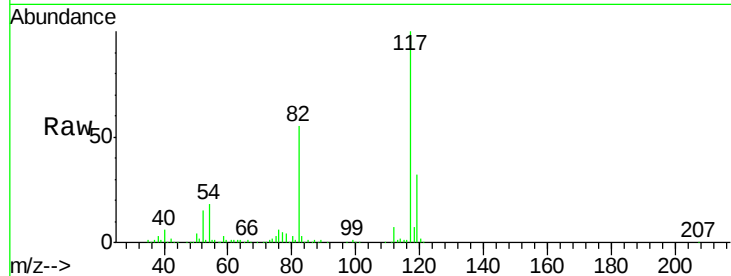
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. 0.01 min
Lab File: VY002323.D
Acq: 14 Apr 2020 20:38

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	238701		
82	55.4	44.2	66.4	
119	32.0	25.1	37.7	

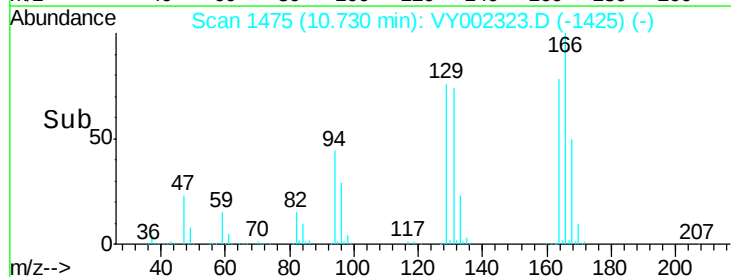
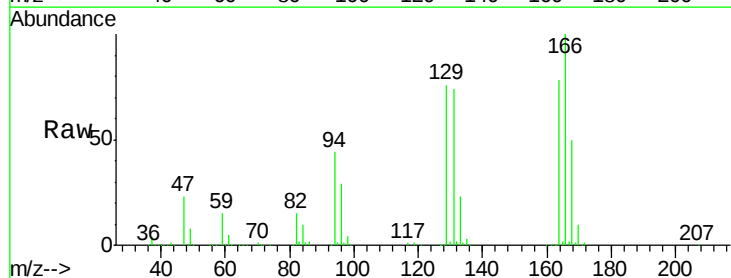
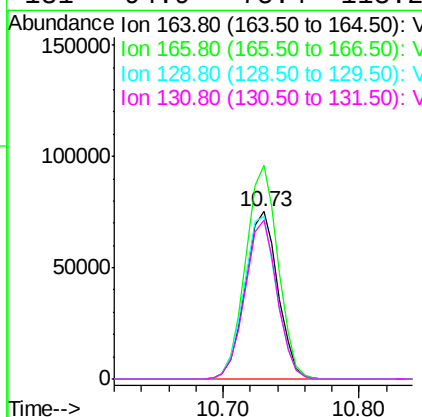
Manual Integrations
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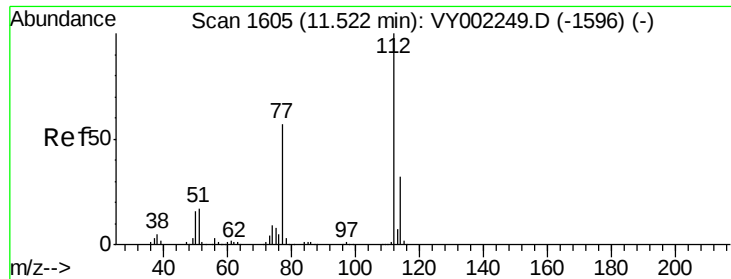
MMDadoda
4/15/2020 9:38:34 AM



#64
Tetrachloroethene
Concen: 52.487 ug/l
RT: 10.73 min Scan# 1475
Delta R.T. 0.01 min
Lab File: VY002323.D
Acq: 14 Apr 2020 20:38

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	126669		
166	127.7	98.4	147.6	
129	97.2	76.6	115.0	
131	94.9	75.4	113.2	





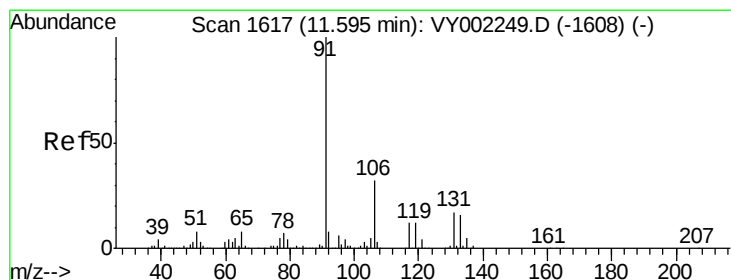
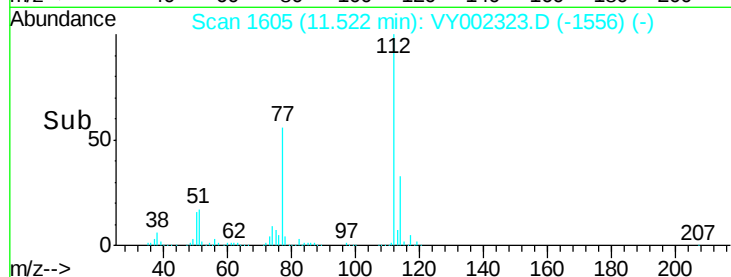
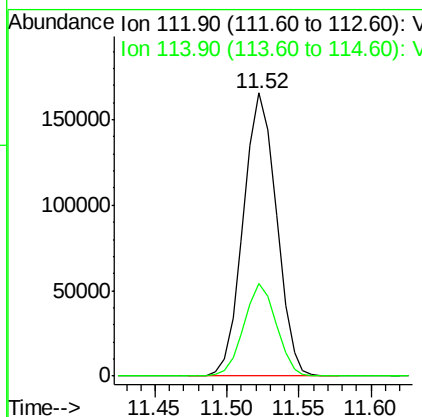
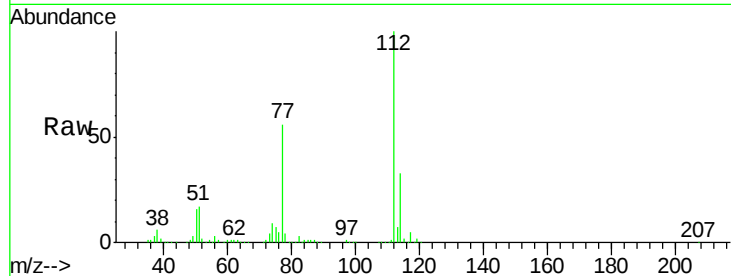
#65
Chlorobenzene
Concen: 53.270 ug/l
RT: 11.52 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VY002323.D
Acq: 14 Apr 2020 20:38

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.7	25.6	38.4

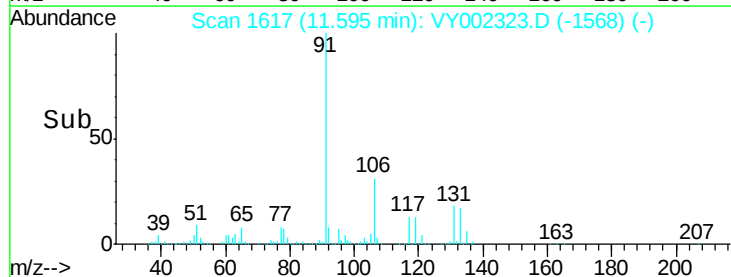
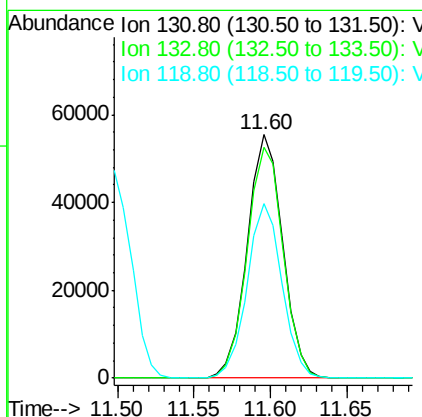
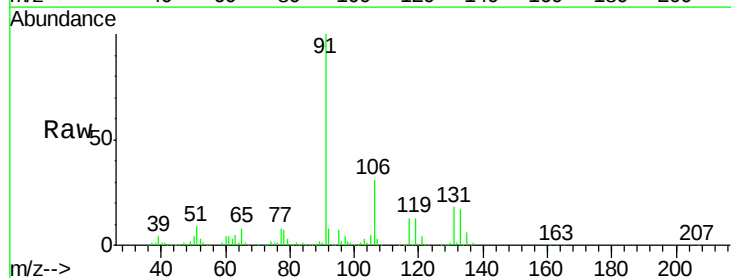
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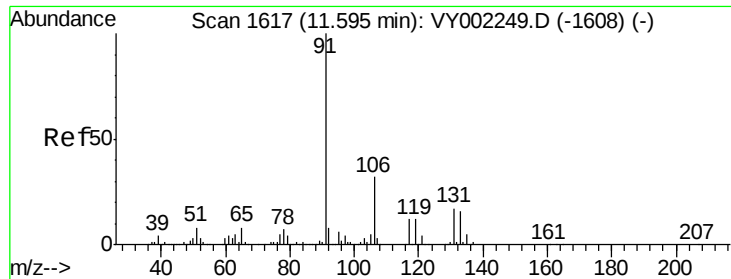
MMDadoda
4/15/2020 9:38:34 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 54.367 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. 0.00 min
Lab File: VY002323.D
Acq: 14 Apr 2020 20:38

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.5	46.5	139.3
119	70.6	34.5	103.6





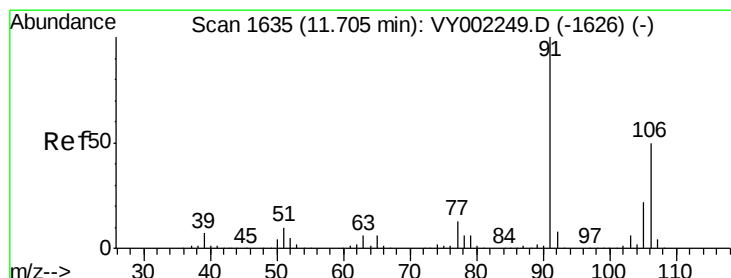
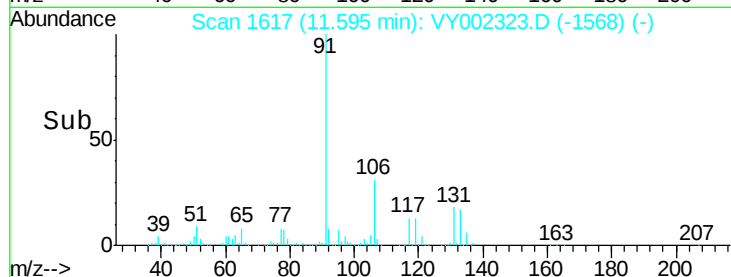
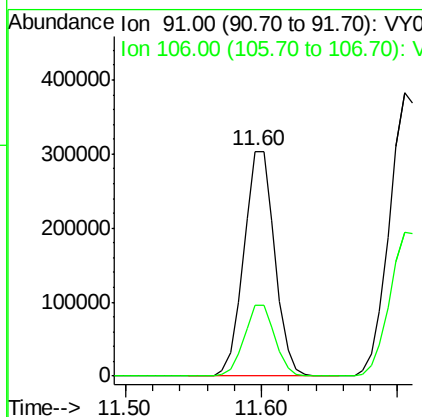
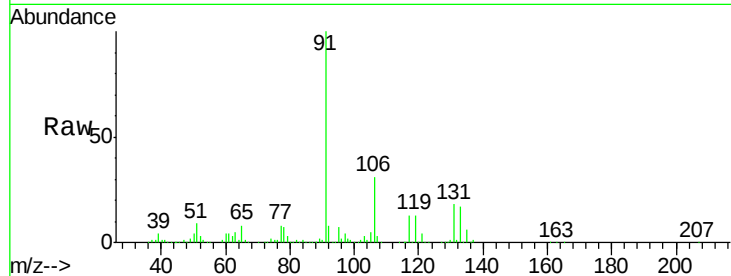
#67
Ethyl Benzene
Concen: 53.043 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. 0.00 min
Lab File: VY002323.D
Acq: 14 Apr 2020 20:38

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 481827
Ion Ratio Lower Upper
91 100
106 31.4 25.4 38.0

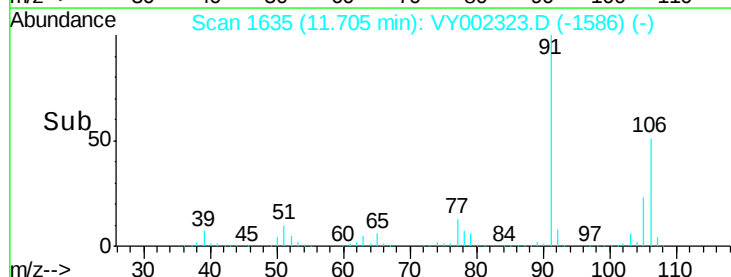
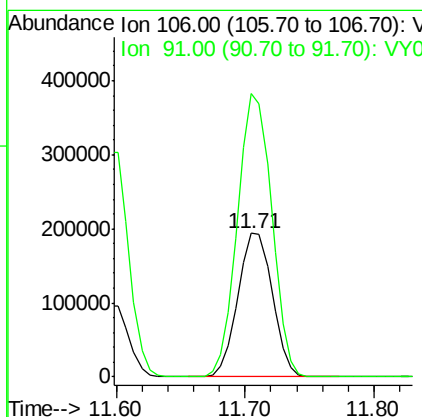
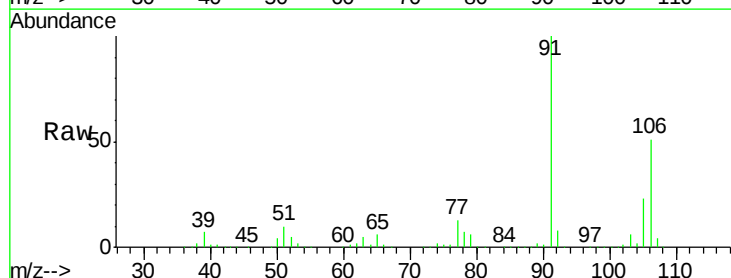
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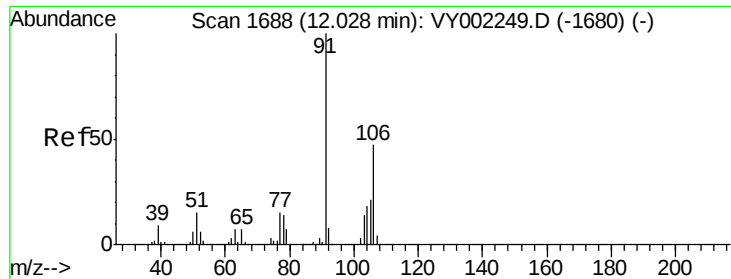
MMDadoda
4/15/2020 9:38:34 AM



#68
m/p-Xylenes
Concen: 106.078 ug/l
RT: 11.71 min Scan# 1635
Delta R.T. 0.00 min
Lab File: VY002323.D
Acq: 14 Apr 2020 20:38

Tgt Ion: 106 Resp: 360901
Ion Ratio Lower Upper
106 100
91 195.5 159.8 239.6





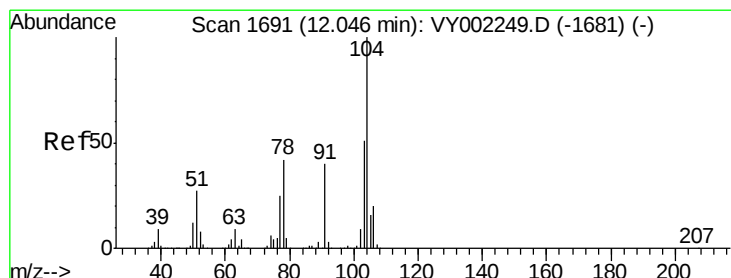
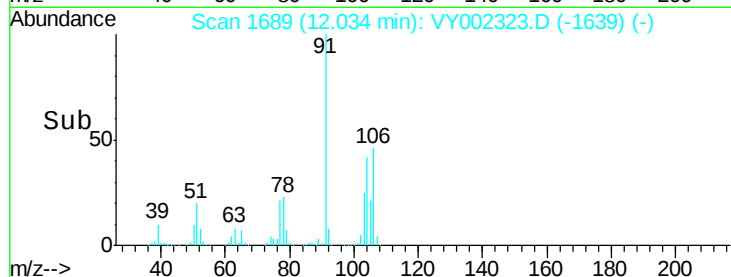
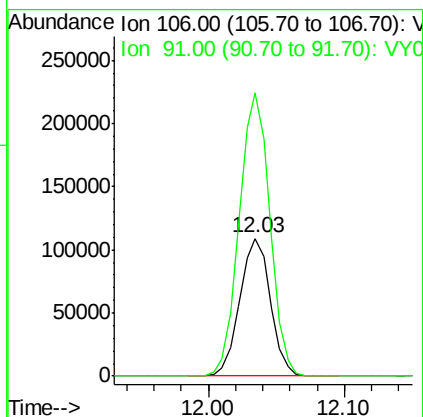
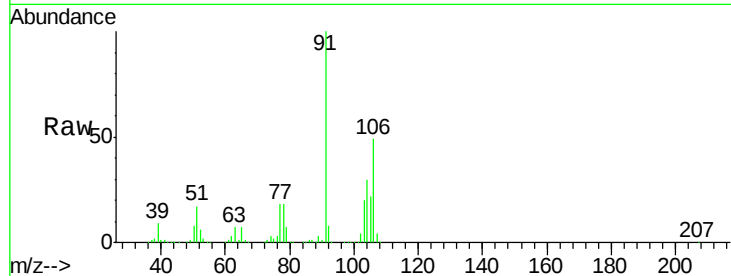
#69
o-Xylene
Concen: 53.524 ug/l
RT: 12.03 min Scan# 1689
Delta R.T. 0.01 min
Lab File: VY002323.D
Acq: 14 Apr 2020 20:38

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		170964		
91	206.3	105.8	317.3		

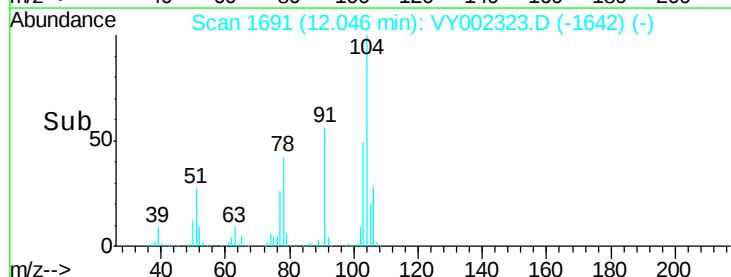
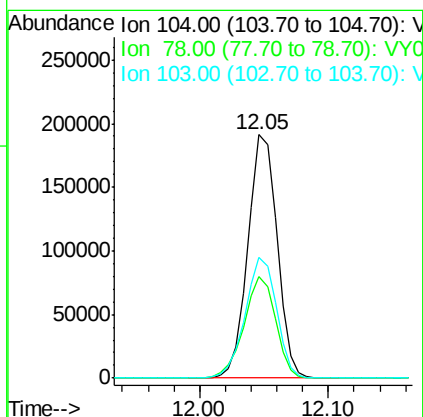
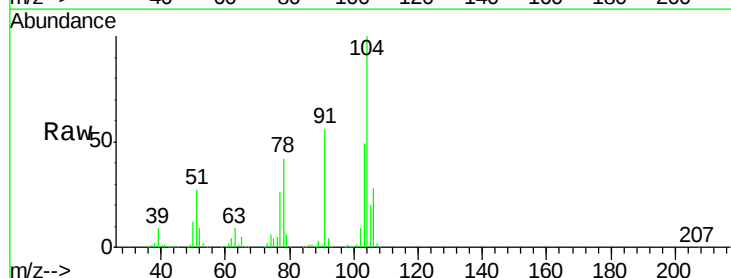
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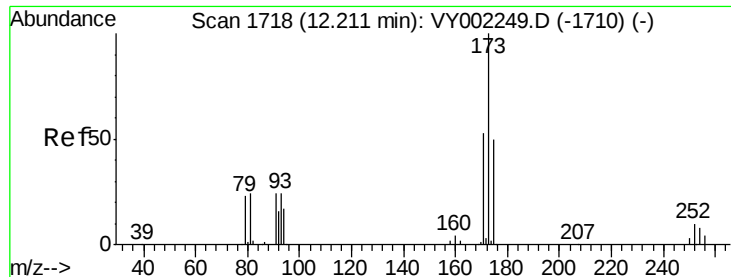
MMDadoda
4/15/2020 9:38:34 AM



#70
Styrene
Concen: 53.973 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VY002323.D
Acq: 14 Apr 2020 20:38

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		299101		
78	44.9	37.2	55.8		
103	53.2	43.4	65.0		





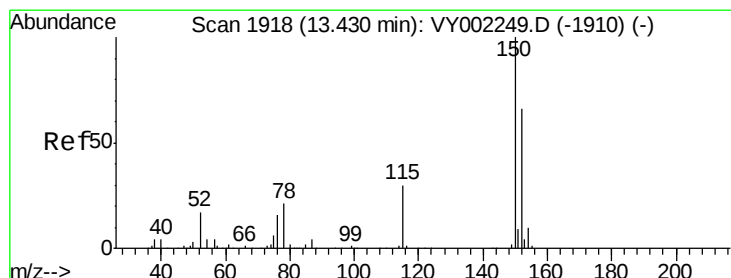
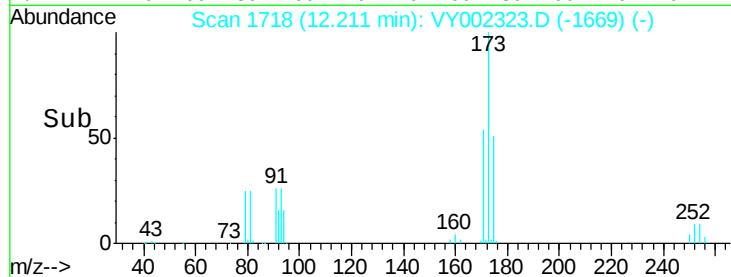
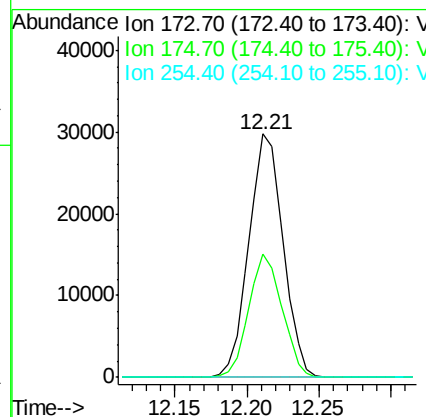
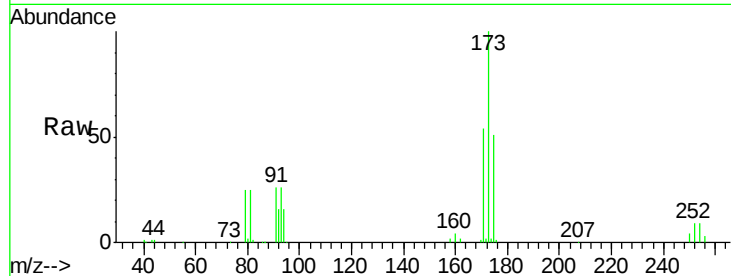
#71
Bromoform
Concen: 54.888 ug/l
RT: 12.21 min Scan# 1718
Delta R.T. 0.00 min
Lab File: VY002323.D
Acq: 14 Apr 2020 20:38

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.4	24.1	72.3
254	0.0	0.0	0.0

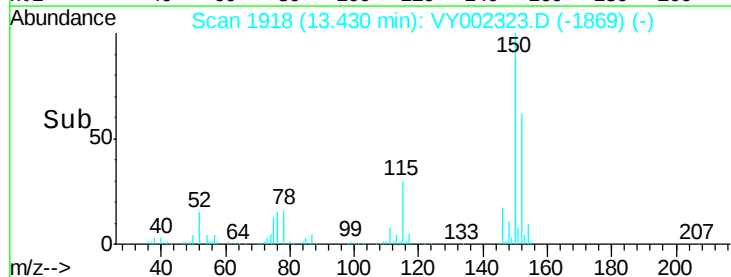
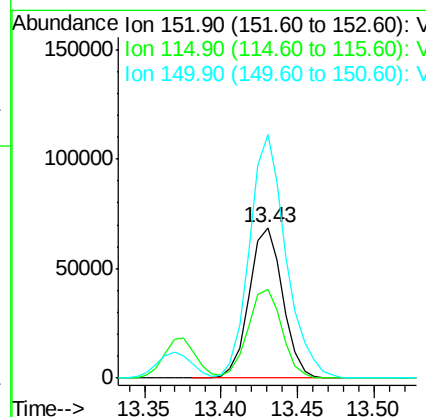
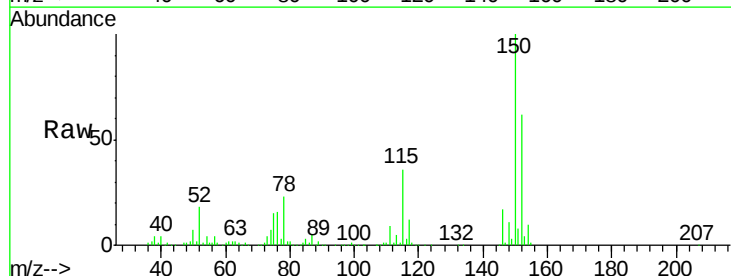
Manual Integrations
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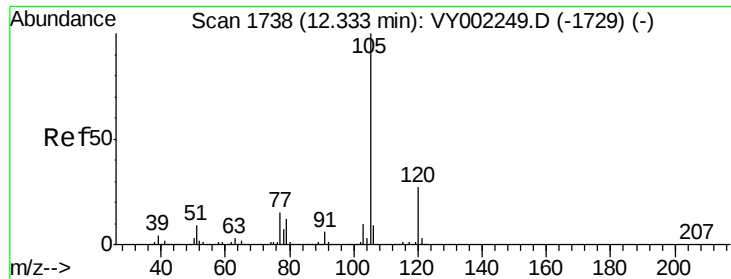
MMDadoda
4/15/2020 9:38:34 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. 0.00 min
Lab File: VY002323.D
Acq: 14 Apr 2020 20:38

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.5	30.7	92.1
150	175.6	0.0	350.6





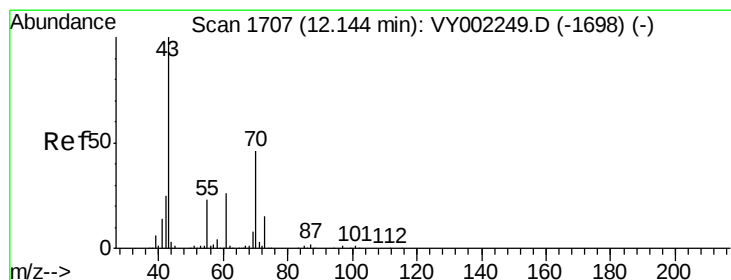
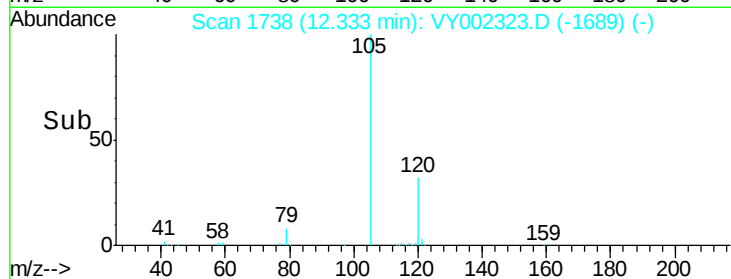
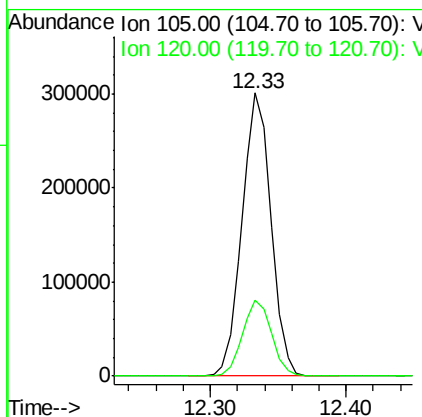
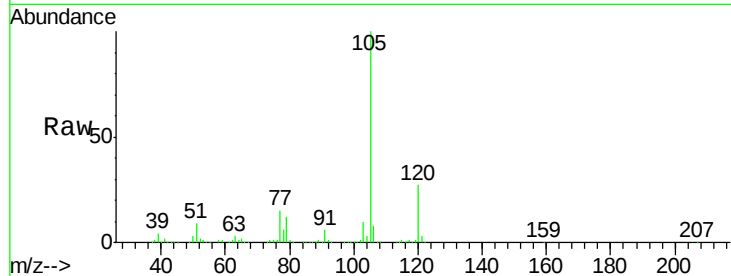
#73
Isopropylbenzene
Concen: 54.343 ug/l
RT: 12.33 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VY002323.D
Acq: 14 Apr 2020 20:38

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.0	13.3	39.8

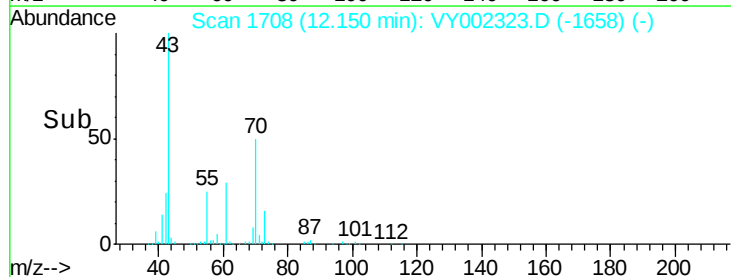
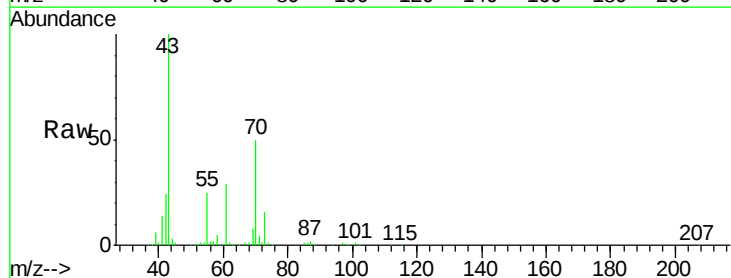
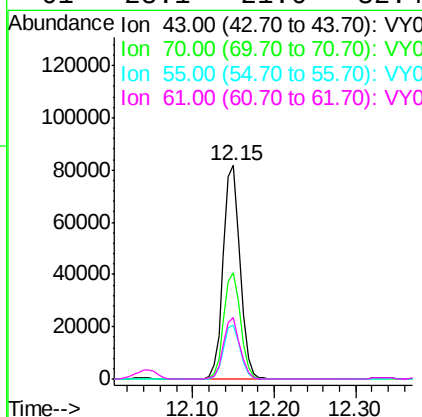
Manual Integrations
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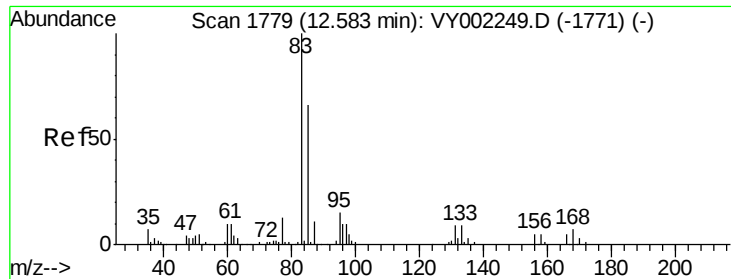
MMDadoda
4/15/2020 9:38:34 AM



#74
N-ethyl acetate
Concen: 50.140 ug/l
RT: 12.15 min Scan# 1708
Delta R.T. 0.01 min
Lab File: VY002323.D
Acq: 14 Apr 2020 20:38

Tgt Ion	Ratio	Lower	Upper
43	100		
70	49.5	37.5	56.3
55	25.2	19.0	28.6
61	28.1	21.6	32.4





#75

1,1,2,2-Tetrachloroethane

Concen: 57.930 ug/l

RT: 12.59 min Scan# 1780

Delta R.T. 0.01 min

Lab File: VY002323.D

Acq: 14 Apr 2020 20:38

Instrument :

MSVOA_Y

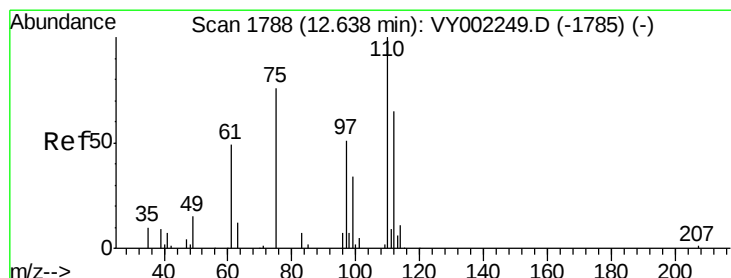
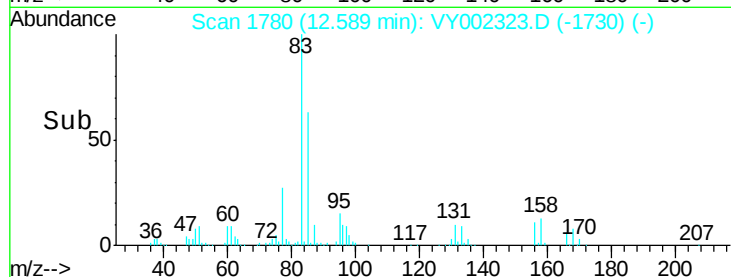
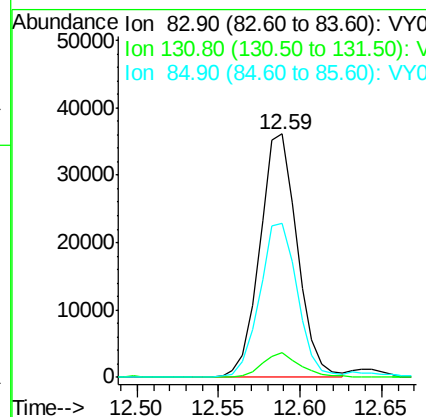
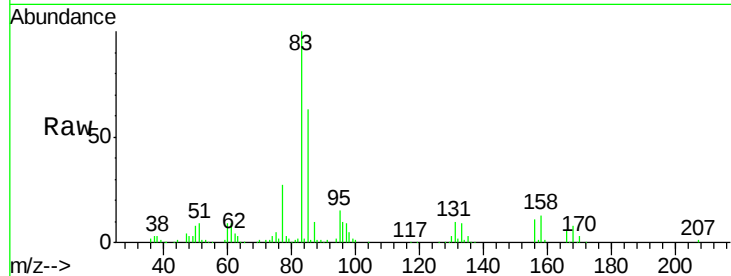
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	57669
Ion Ratio	Lower	Upper	
83	100		
131	10.1	4.9	14.7
85	64.0	32.6	97.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 50.954 ug/l m

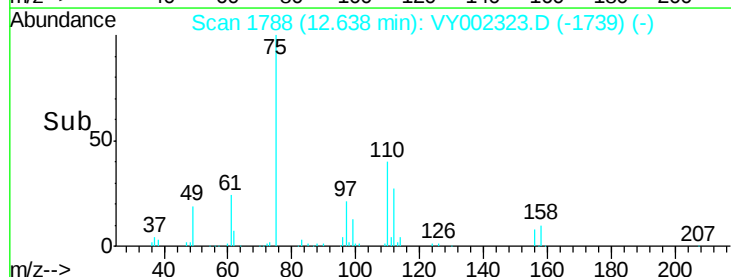
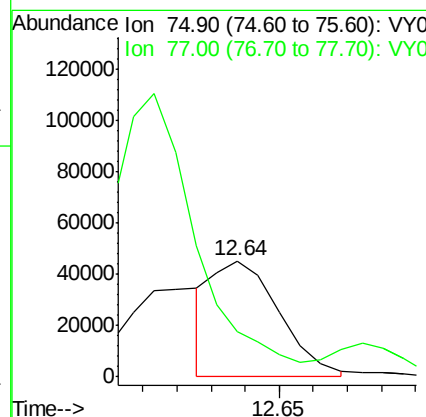
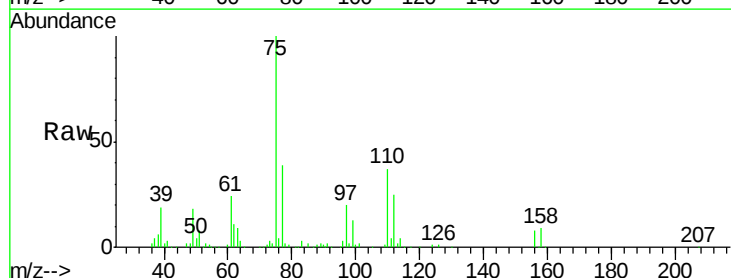
RT: 12.64 min Scan# 1788

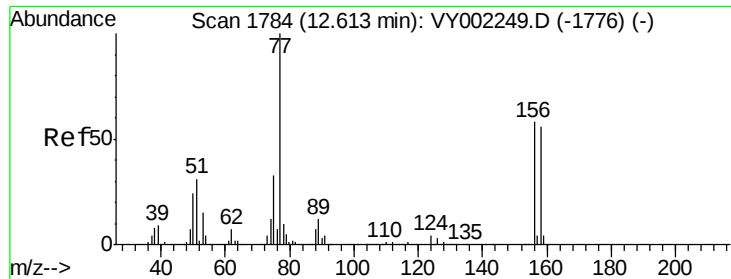
Delta R.T. 0.00 min

Lab File: VY002323.D

Acq: 14 Apr 2020 20:38

Tgt Ion:	75	Resp:	61970
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 54.324 ug/l

RT: 12.61 min Scan# 1784

Delta R.T. 0.00 min

Lab File: VY002323.D

Acq: 14 Apr 2020 20:38

Instrument :

MSVOA_Y

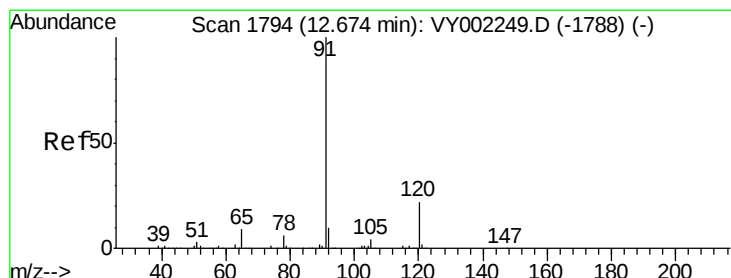
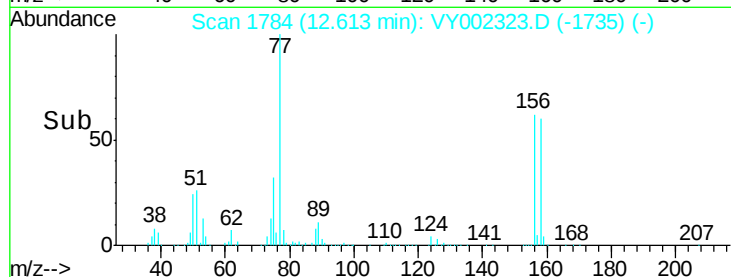
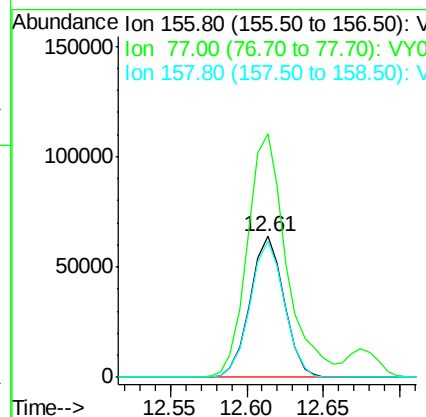
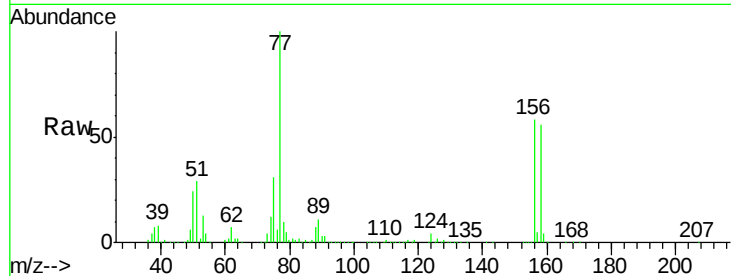
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	98340
Ion	Ratio	Lower	Upper
156	100		
77	198.8	101.3	303.9
158	97.5	48.3	144.8

Manual Integrations
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#78

n-propylbenzene

Concen: 52.570 ug/l

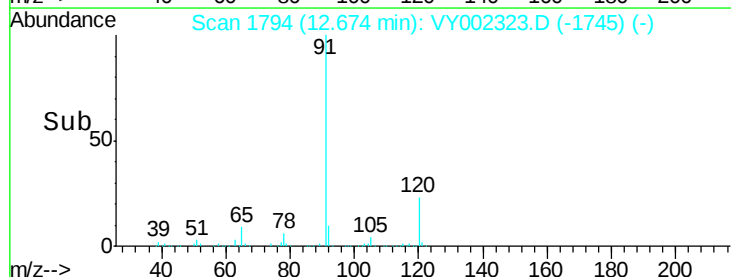
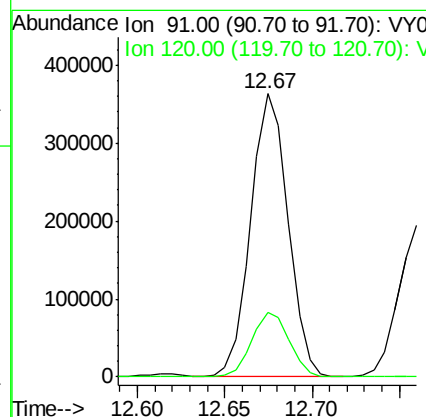
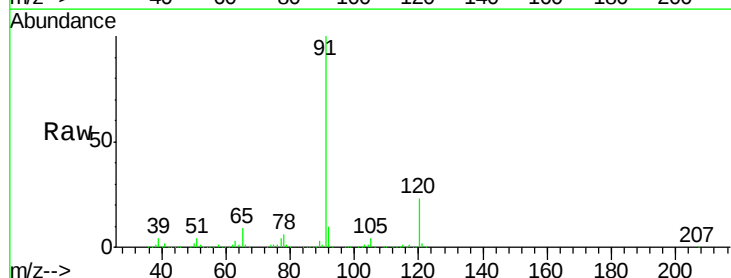
RT: 12.67 min Scan# 1794

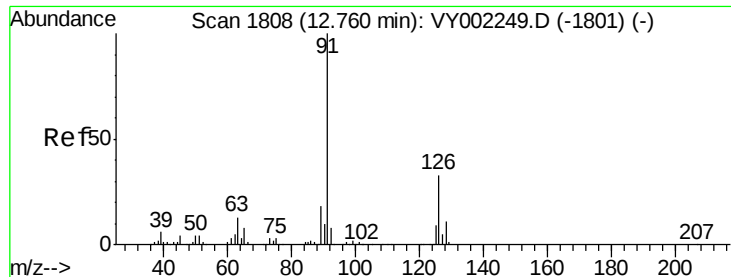
Delta R.T. 0.00 min

Lab File: VY002323.D

Acq: 14 Apr 2020 20:38

Tgt Ion:	91	Resp:	537966
Ion	Ratio	Lower	Upper
91	100		
120	23.1	11.2	33.5





#79

2-Chlorotoluene

Concen: 53.393 ug/l

RT: 12.76 min Scan# 1808

Delta R.T. 0.00 min

Lab File: VY002323.D

Acq: 14 Apr 2020 20:38

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 296932

Ion Ratio Lower Upper

91 100

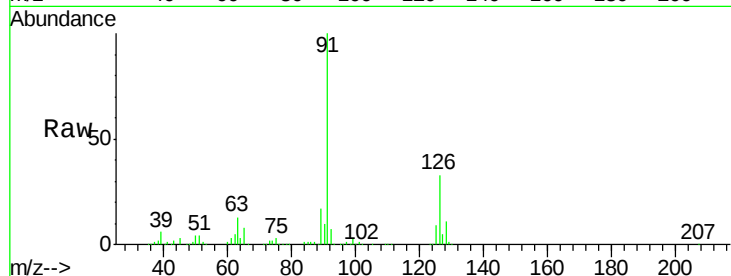
126 34.8 16.9 50.7

Manual Integrations

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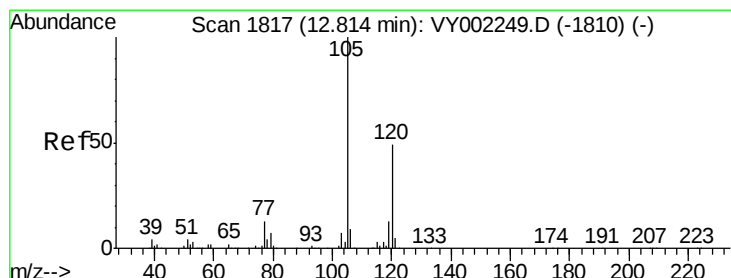
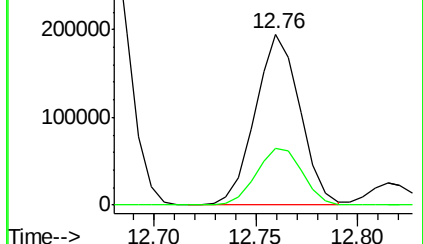
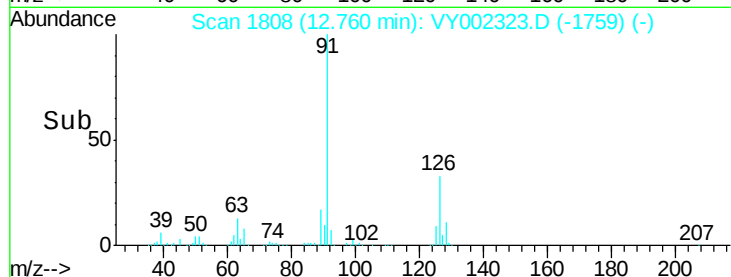
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Abundance Ion 91.00 (90.70 to 91.70): VY002323.D (-1759) (-)

Ion 125.90 (125.60 to 126.60): VY002323.D (-1759) (-)



#80

1,3,5-Trimethylbenzene

Concen: 53.351 ug/l

RT: 12.81 min Scan# 1817

Delta R.T. 0.00 min

Lab File: VY002323.D

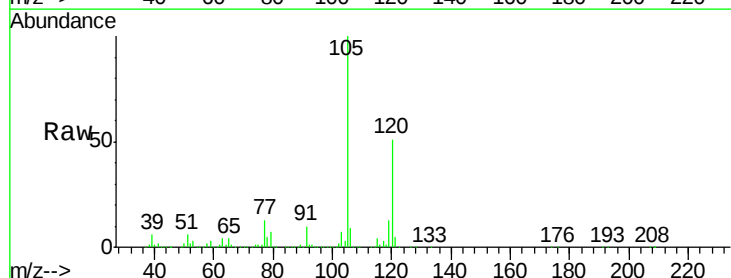
Acq: 14 Apr 2020 20:38

Tgt Ion: 105 Resp: 363045

Ion Ratio Lower Upper

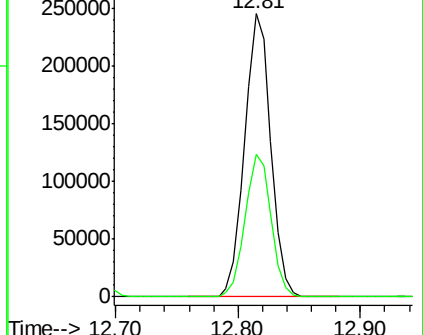
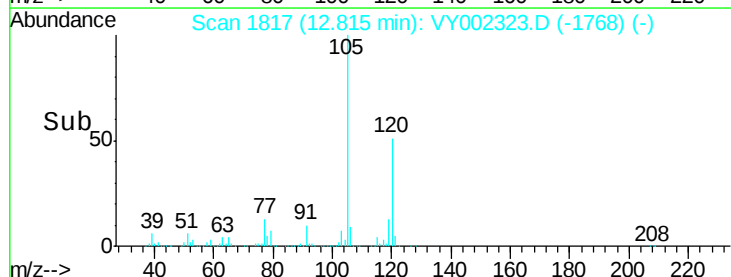
105 100

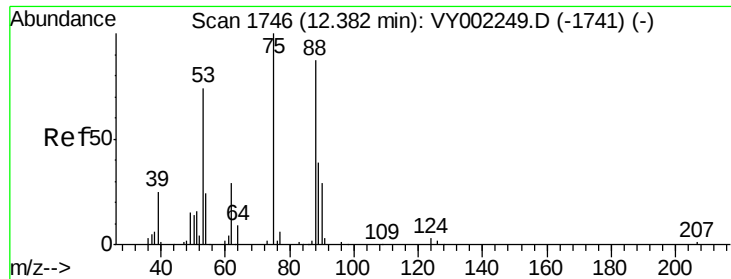
120 50.3 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): VY002323.D (-1768) (-)

Ion 120.00 (119.70 to 120.70): VY002323.D (-1768) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 51.290 ug/l

RT: 12.38 min Scan# 1746

Delta R.T. 0.00 min

Lab File: VY002323.D

Acq: 14 Apr 2020 20:38

Instrument :

MSVOA_Y

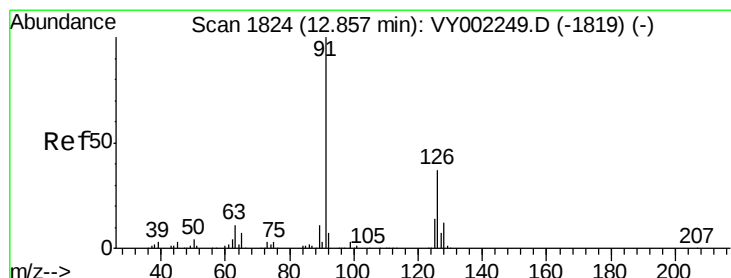
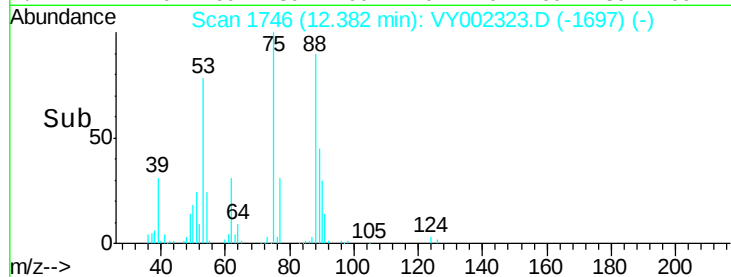
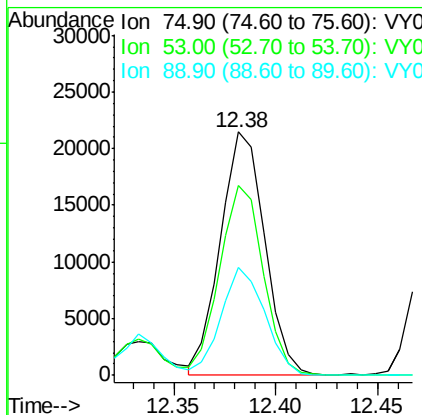
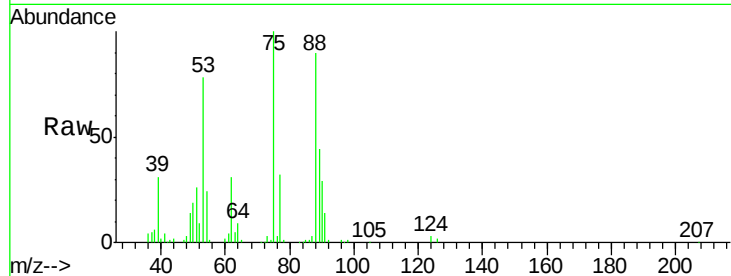
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	32072
Ion Ratio	Lower	Upper	
75	100		
53	78.2	59.8	89.8
89	44.1	37.0	55.6

Manual Integrations
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#82

4-Chlorotoluene

Concen: 52.053 ug/l

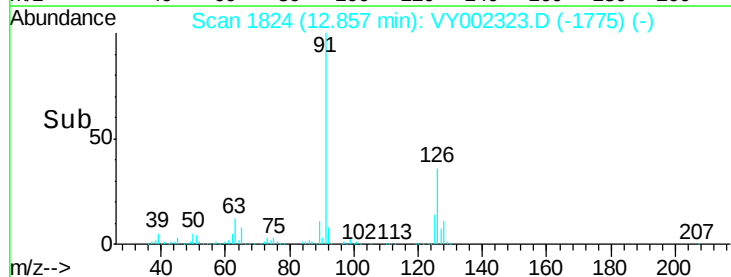
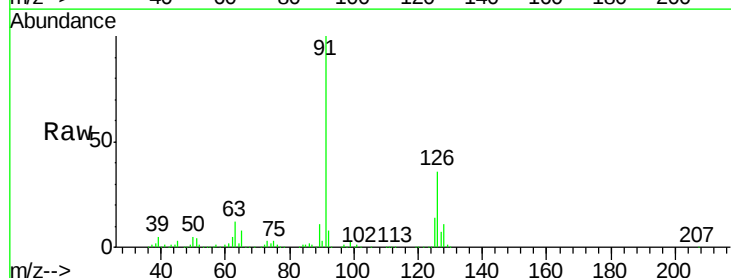
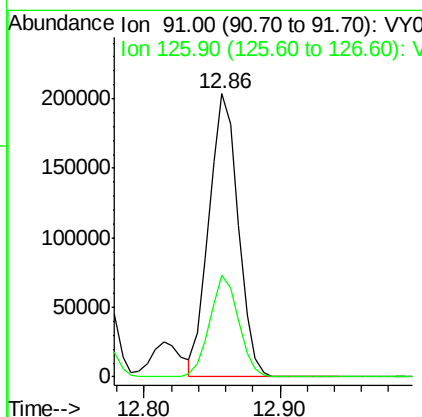
RT: 12.86 min Scan# 1824

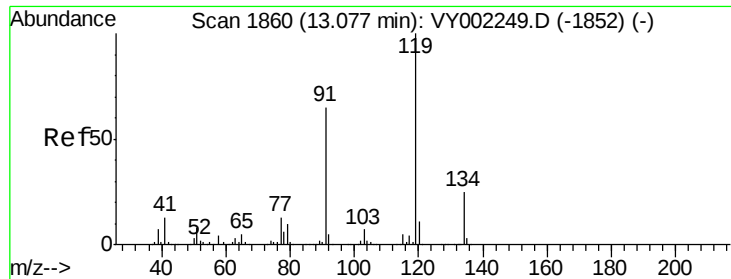
Delta R.T. 0.00 min

Lab File: VY002323.D

Acq: 14 Apr 2020 20:38

Tgt Ion:	91	Resp:	303409
Ion Ratio	Lower	Upper	
91	100		
126	35.2	16.9	50.7





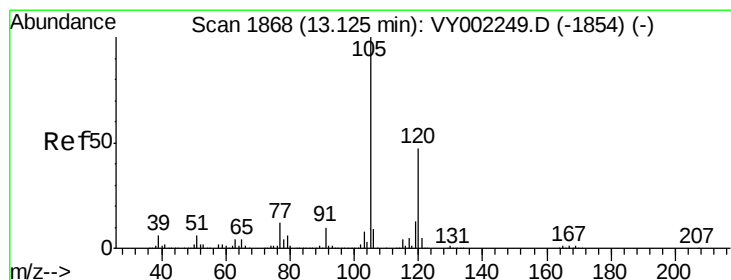
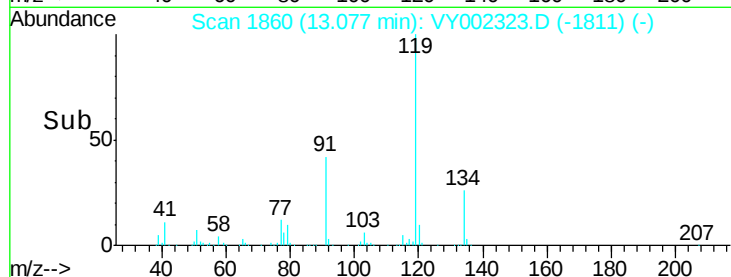
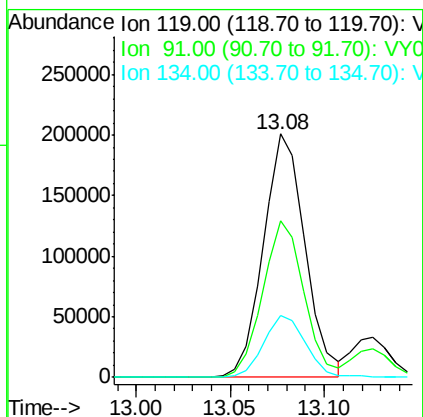
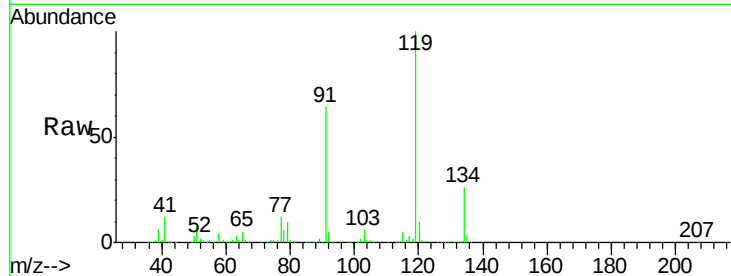
#83
 tert-Butylbenzene
 Concen: 54.049 ug/l
 RT: 13.08 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VY002323.D
 Acq: 14 Apr 2020 20:38

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.9	32.4	97.0
134	25.7	12.6	37.6

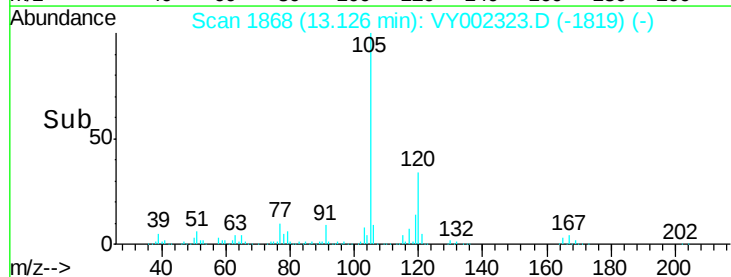
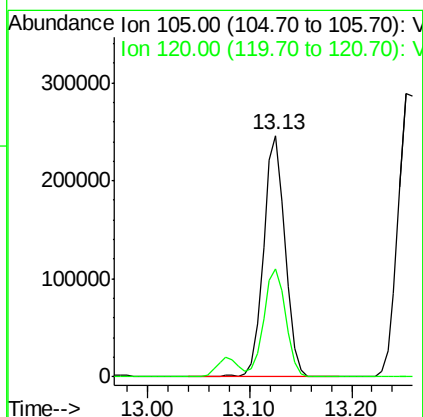
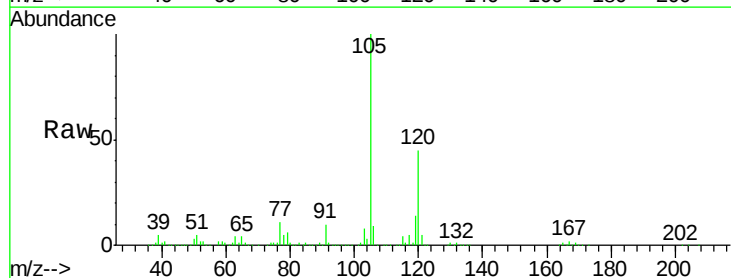
Manual Integrations
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#84
 1,2,4-Trimethylbenzene
 Concen: 53.103 ug/l
 RT: 13.13 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VY002323.D
 Acq: 14 Apr 2020 20:38

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.8	23.1	69.2





#85

sec-Butylbenzene

Concen: 52.515 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. 0.00 min

Lab File: VY002323.D

Acq: 14 Apr 2020 20:38

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 445909

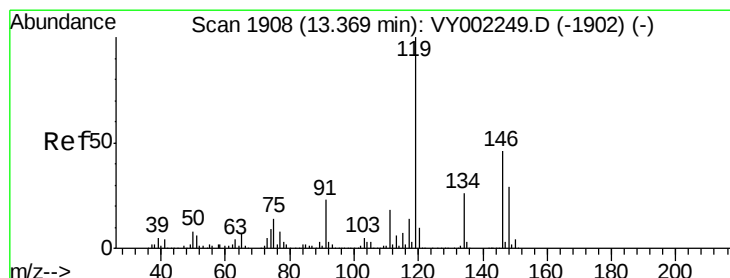
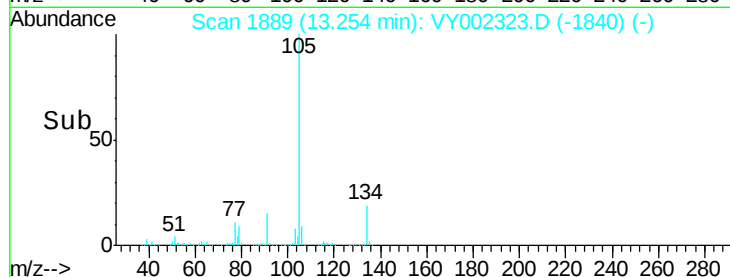
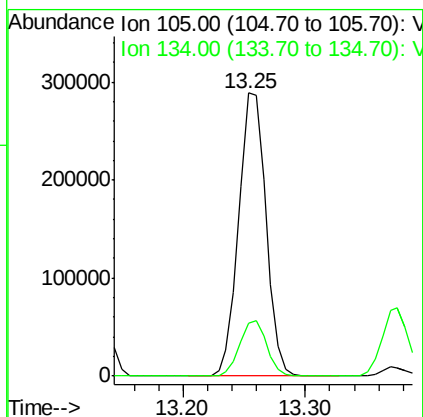
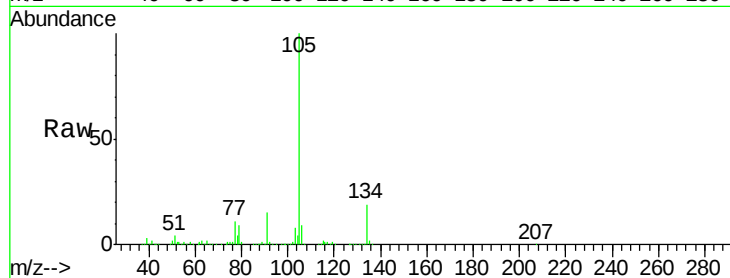
Ion Ratio Lower Upper

105 100

134 19.4 9.8 29.3

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 52.331 ug/l

RT: 13.38 min Scan# 1909

Delta R.T. 0.01 min

Lab File: VY002323.D

Acq: 14 Apr 2020 20:38

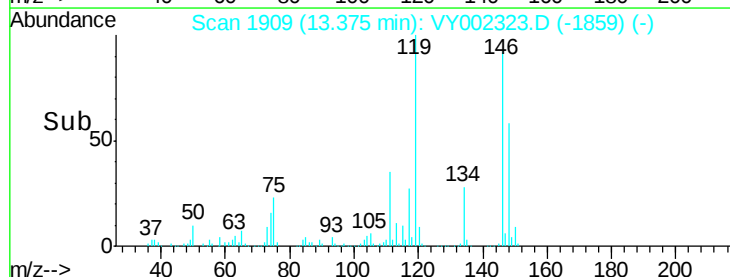
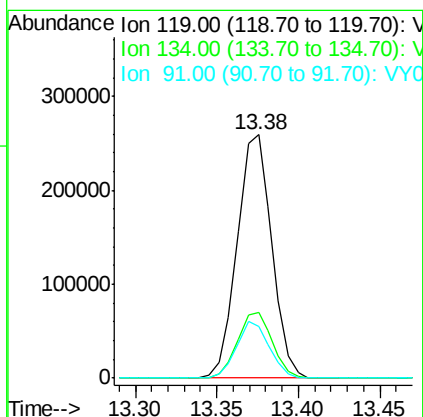
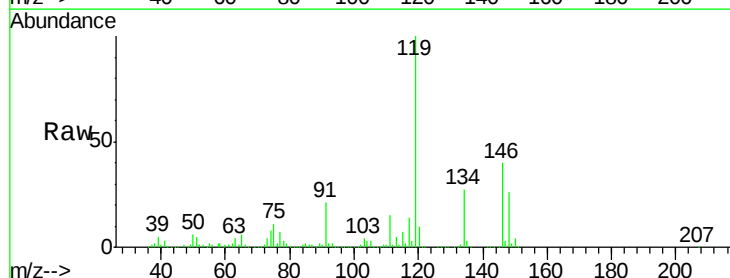
Tgt Ion:119 Resp: 382434

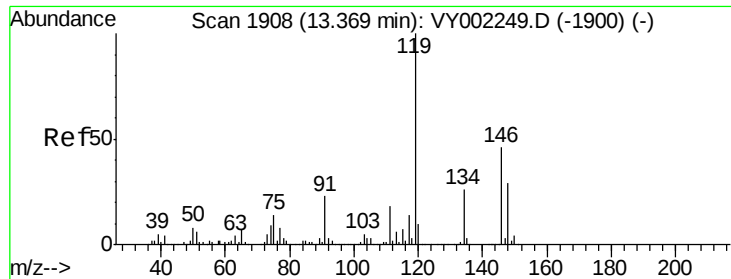
Ion Ratio Lower Upper

119 100

134 27.1 13.3 39.9

91 22.4 11.5 34.4





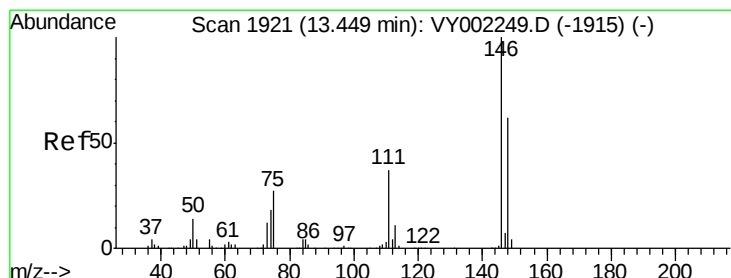
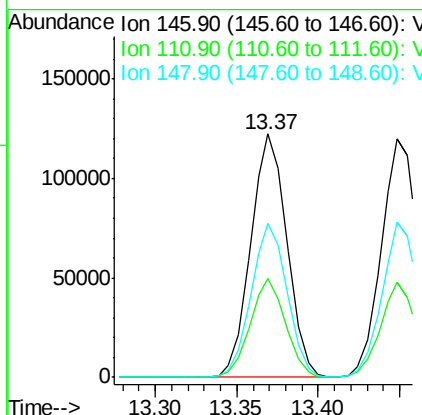
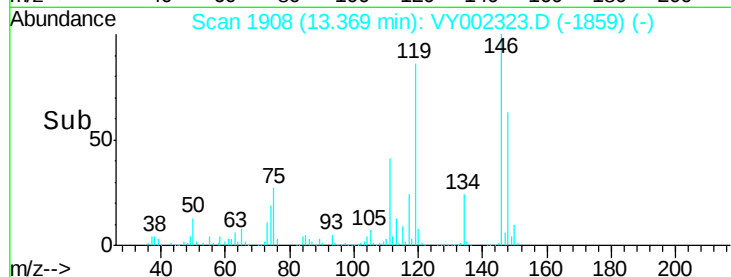
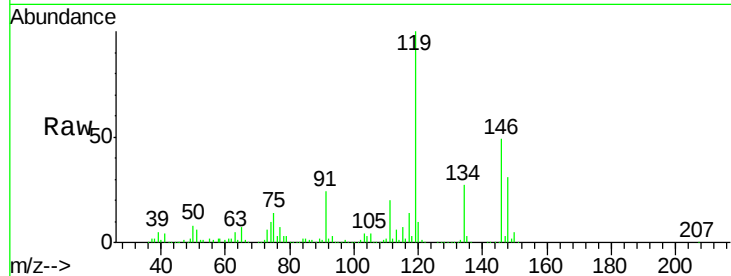
#87
 1,3-Dichlorobenzene
 Concen: 53.662 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. 0.00 min
 Lab File: VY002323.D
 Acq: 14 Apr 2020 20:38

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	20.3	60.8
148	62.7	32.1	96.3

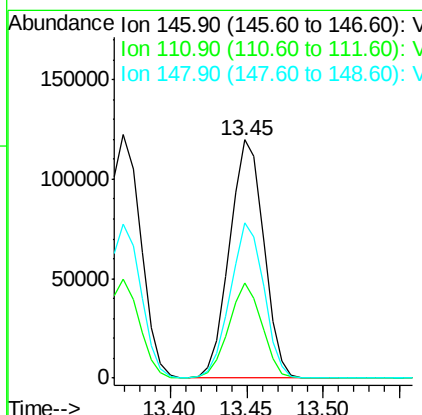
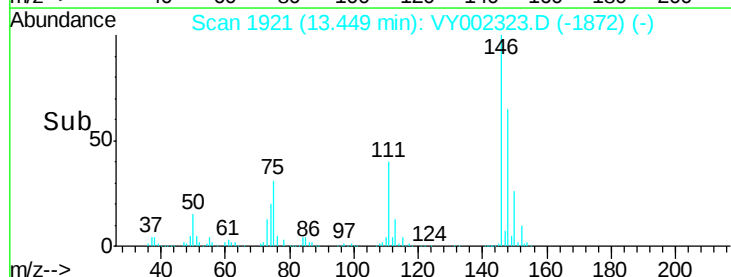
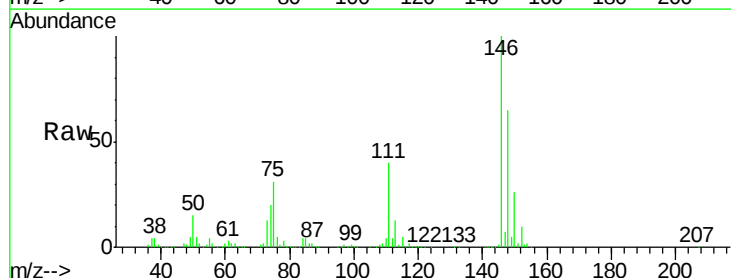
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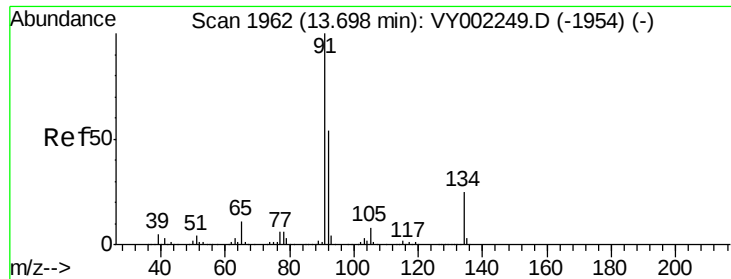
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 4/15/2020 9:38:34 AM



#88
 1,4-Dichlorobenzene
 Concen: 52.230 ug/l
 RT: 13.45 min Scan# 1921
 Delta R.T. 0.00 min
 Lab File: VY002323.D
 Acq: 14 Apr 2020 20:38

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.6	58.8
148	63.9	32.0	96.0





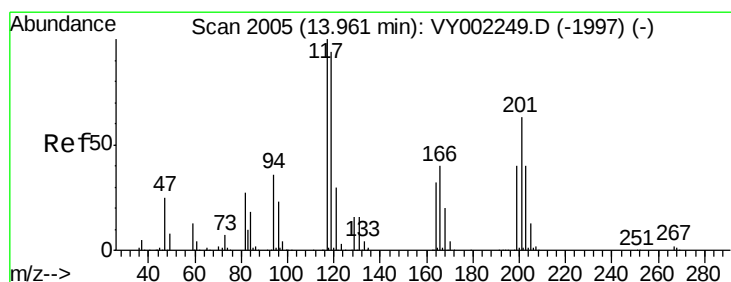
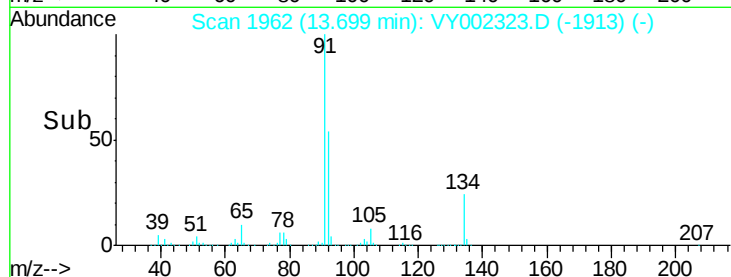
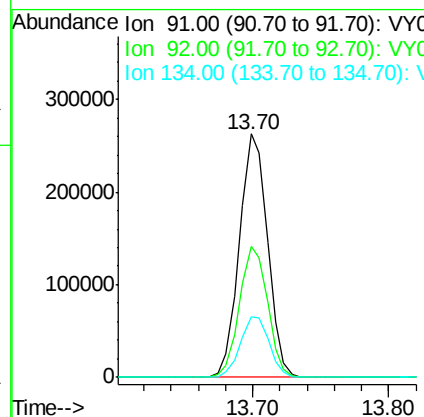
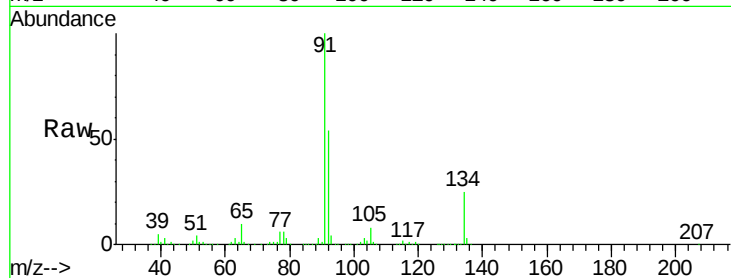
#89
n-Butylbenzene
Concen: 50.586 ug/l
RT: 13.70 min Scan# 1962
Delta R.T. 0.00 min
Lab File: VY002323.D
Acq: 14 Apr 2020 20:38

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.7	27.2	81.6
134	25.6	12.7	38.0

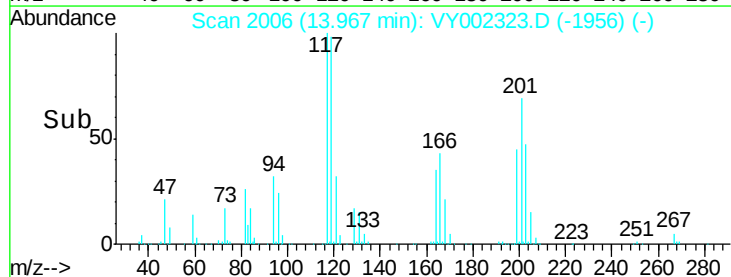
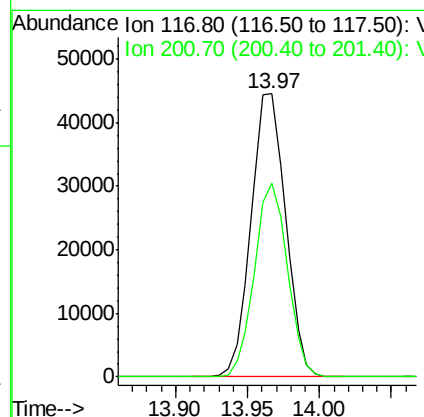
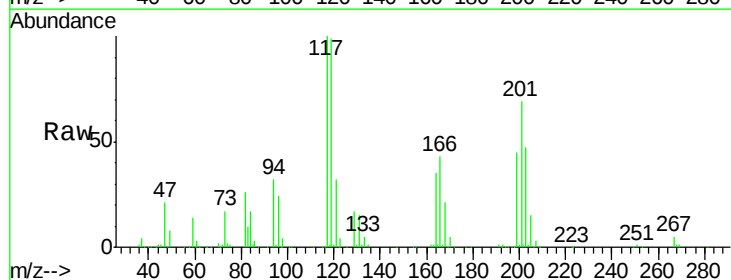
Manual Integrations
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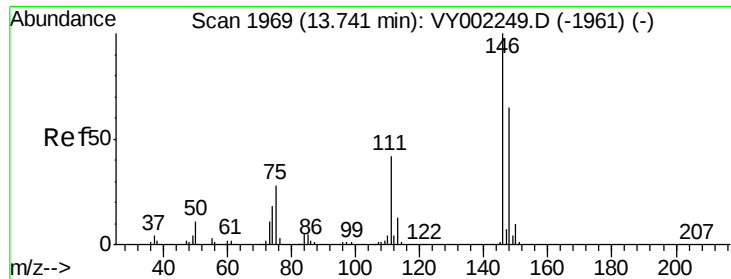
MMDadoda
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#90
Hexachloroethane
Concen: 52.972 ug/l
RT: 13.97 min Scan# 2006
Delta R.T. 0.01 min
Lab File: VY002323.D
Acq: 14 Apr 2020 20:38

Tgt Ion	Ratio	Lower	Upper
117	100		
201	65.5	33.1	99.2





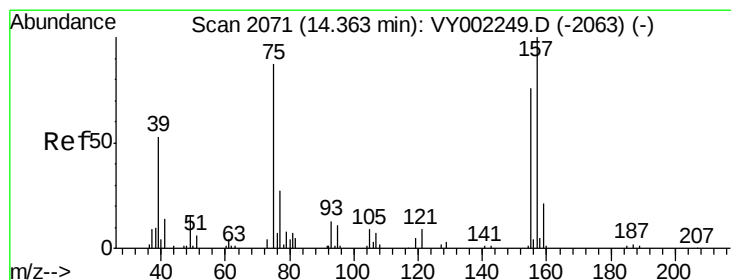
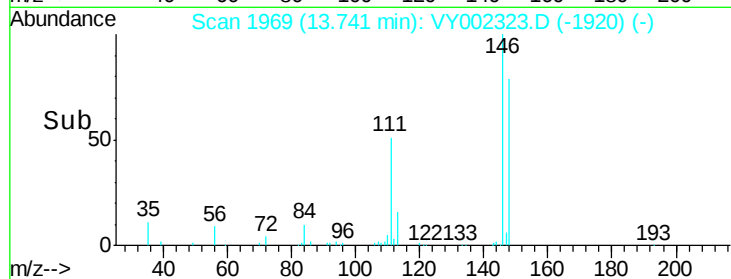
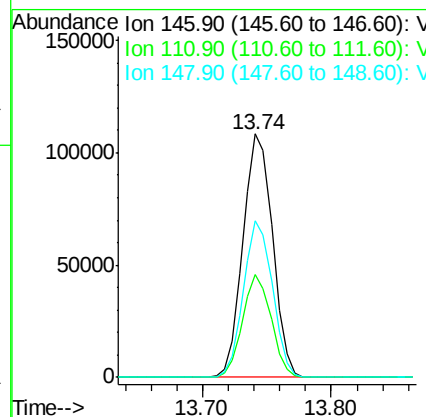
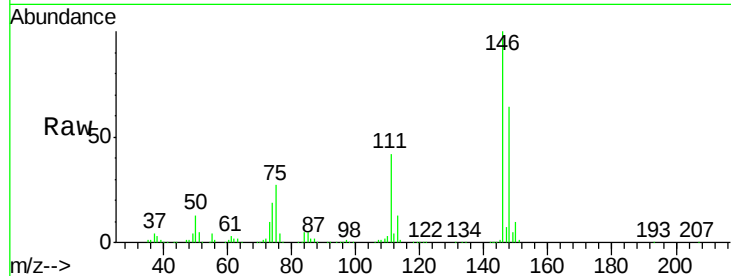
#91
 1,2-Dichlorobenzene
 Concen: 53.944 ug/l
 RT: 13.74 min Scan# 1969
 Delta R.T. 0.00 min
 Lab File: VY002323.D
 Acq: 14 Apr 2020 20:38

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	21.1	63.1
148	62.8	31.9	95.9

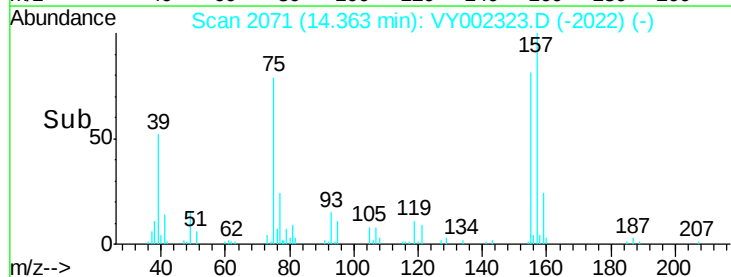
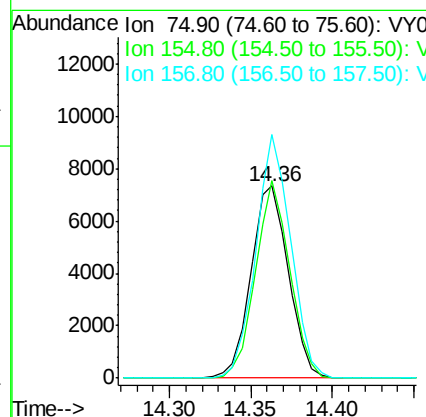
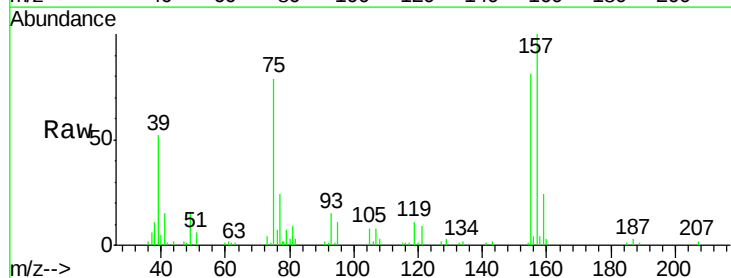
Manual Integrations
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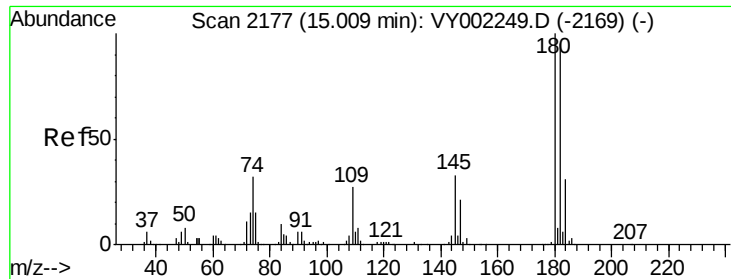
MMDadoda
 4/15/2020 9:38:34 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.807 ug/l
 RT: 14.36 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VY002323.D
 Acq: 14 Apr 2020 20:38

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.7	43.6	130.8
157	117.9	56.0	168.2





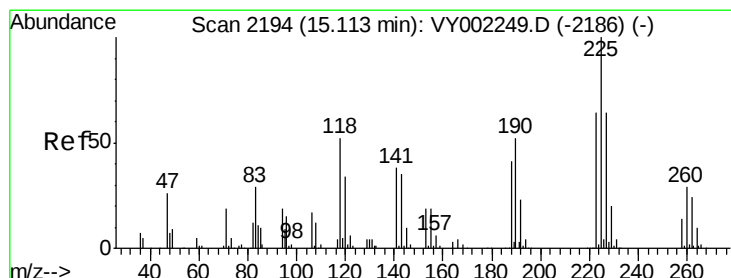
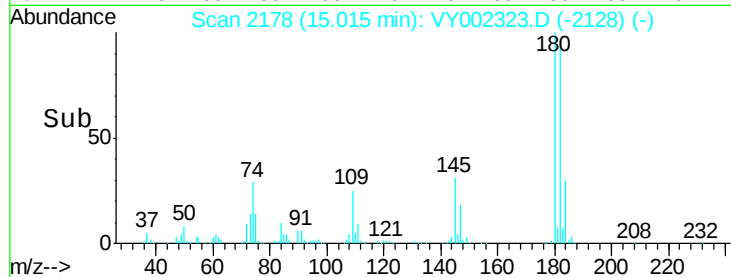
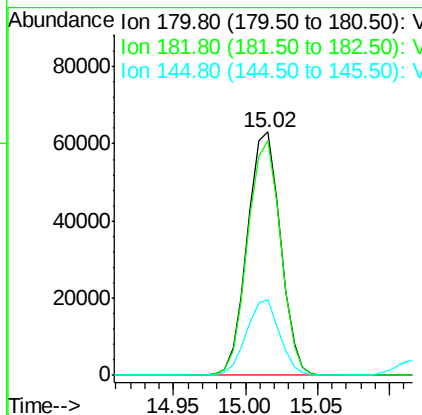
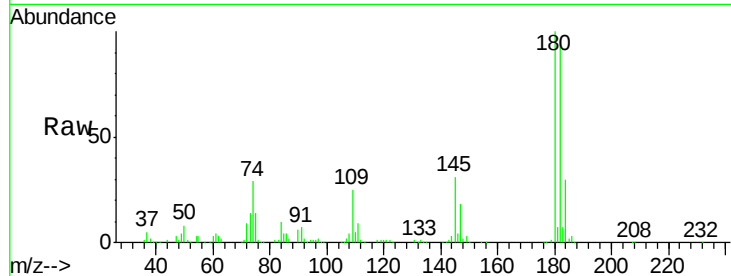
#93
 1,2,4-Trichlorobenzene
 Concen: 48.098 ug/l
 RT: 15.02 min Scan# 2178
 Delta R.T. 0.01 min
 Lab File: VY002323.D
 Acq: 14 Apr 2020 20:38

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.9	143.7
145	31.1	16.0	48.0

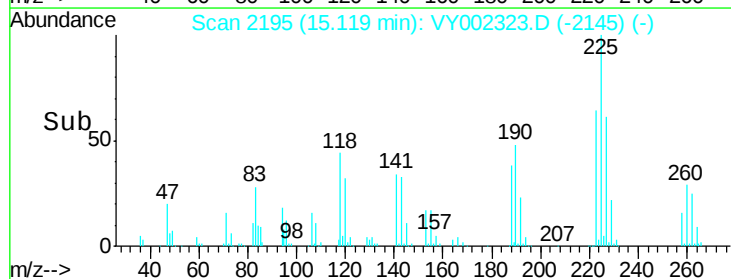
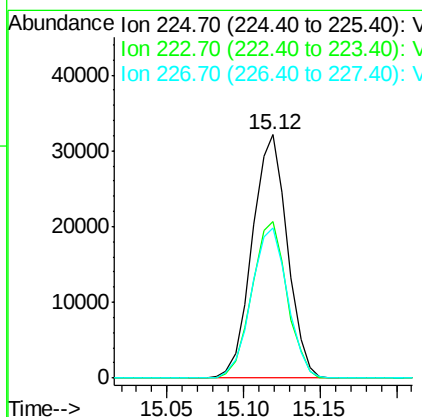
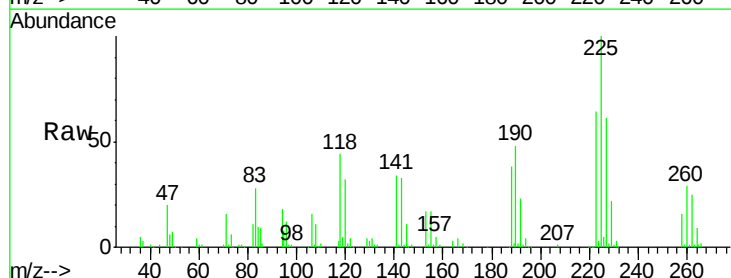
Manual Integrations
 APPROVED

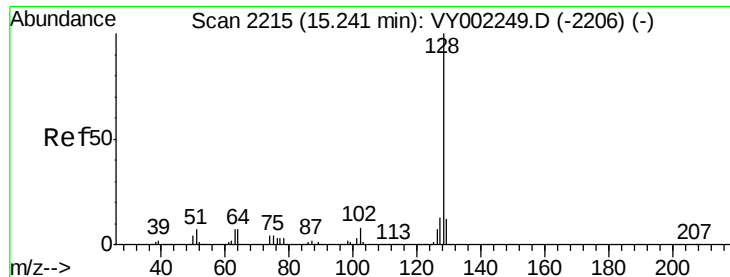
MMDadoda
 4/15/2020 9:38:34 AM



#94
 Hexachlorobutadiene
 Concen: 49.005 ug/l
 RT: 15.12 min Scan# 2195
 Delta R.T. 0.01 min
 Lab File: VY002323.D
 Acq: 14 Apr 2020 20:38

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.0	31.0	93.0
227	63.2	31.3	93.9





#95

Naphthalene

Concen: 50.798 ug/l

RT: 15.24 min Scan# 2215

Delta R.T. 0.00 min

Lab File: VY002323.D

Acq: 14 Apr 2020 20:38

Instrument :

MSVOA_Y

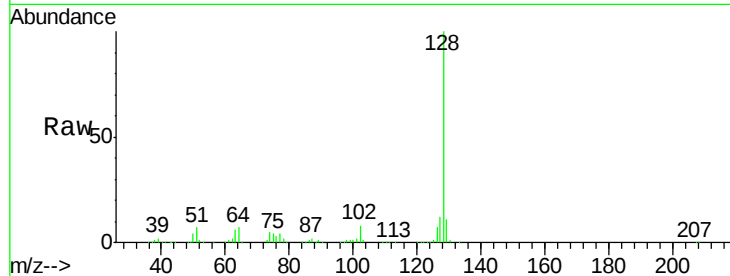
ClientSampleId :

VSTDCCC050EC

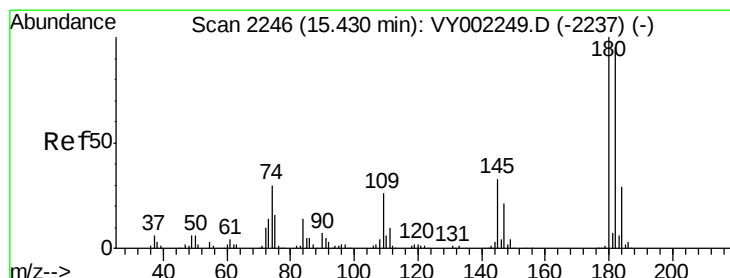
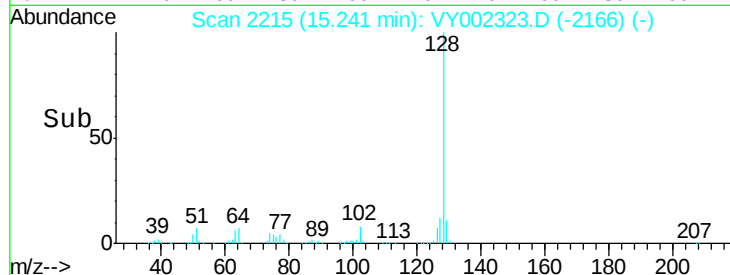
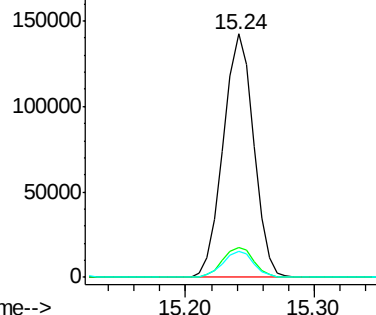
Tot Ion:	128	Resp:	231759
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.1	15.1
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
4/15/2020 9:38:34 AM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 48.512 ug/l

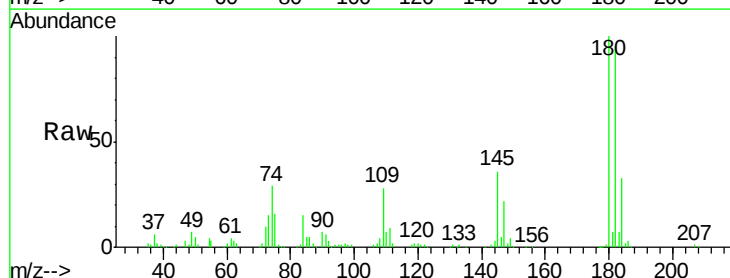
RT: 15.43 min Scan# 2246

Delta R.T. 0.00 min

Lab File: VY002323.D

Acq: 14 Apr 2020 20:38

Tgt Ion:	180	Resp:	87774
Ion Ratio	Lower	Upper	
180	100		
182	95.7	47.1	141.3
145	33.5	16.7	50.1



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

