

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY012320\
 Data File : VY001360.D
 Acq On : 23 Jan 2020 17:32
 Operator : SY/MD
 Sample : L1241-06MSD
 Misc : 4.89G/5ML/MSVOA Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 EP-12MSD

Manual Integrations
 APPROVED

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 1/24/2020 4:03:41 PM

Quant Time: Jan 24 08:12:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y012120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 01:21:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	188728	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	337957	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	290936	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	132097	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.17	65	107834	52.51	ug/l	0.00
Spiked Amount			Recovery	=	105.02%	
35) Dibromofluoromethane	7.75	113	98743	49.78	ug/l	0.00
Spiked Amount			Recovery	=	99.56%	
50) Toluene-d8	10.20	98	386309	50.13	ug/l	0.01
Spiked Amount			Recovery	=	100.26%	
62) 4-Bromofluorobenzene	12.49	95	145086	47.28	ug/l	0.00
Spiked Amount			Recovery	=	94.56%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	77792	52.268	ug/l	100
3) Chloromethane	2.13	50	111558	49.594	ug/l	99
4) Vinyl Chloride	2.26	62	117139	49.942	ug/l	98
5) Bromomethane	2.66	94	77671	49.170	ug/l	98
6) Chloroethane	2.81	64	75864	50.618	ug/l	98
7) Trichlorofluoromethane	3.15	101	156855	52.268	ug/l	100
8) Diethyl Ether	3.55	74	62146	49.056	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.93	101	98905	51.752	ug/l	100
10) Methyl Iodide	4.12	142	123262	48.902	ug/l	100
11) Tert butyl alcohol	4.99	59	75242	294.917	ug/l	96
12) 1,1-Dichloroethene	3.90	96	95907	47.862	ug/l	97
13) Acrolein	3.76	56	1611	Below Cal		89
14) Allyl chloride	4.52	41	177410	49.647	ug/l	99
15) Acrylonitrile	5.20	53	148766	229.415	ug/l	99
16) Acetone	3.97	43	161519	300.083	ug/l	98
17) Carbon Disulfide	4.22	76	272703	43.272	ug/l	97
18) Methyl Acetate	4.51	43	278286	160.689	ug/l	98
19) Methyl tert-butyl Ether	5.26	73	292086	49.783	ug/l	100
20) Methylene Chloride	4.75	84	114808	44.834	ug/l	98
21) trans-1,2-Dichloroethene	5.25	96	115302	49.537	ug/l	98
22) Diisopropyl ether	6.16	45	367457	48.425	ug/l #	88
23) Vinyl Acetate	6.16	43	176309	35.790	ug/l #	71
24) 1,1-Dichloroethane	6.05	63	203743	50.940	ug/l	97
25) 2-Butanone	7.02	43	211926	237.093	ug/l	98
26) 2,2-Dichloropropane	7.02	77	174925	49.099	ug/l	98
27) cis-1,2-Dichloroethene	7.02	96	131142	50.414	ug/l	99
28) Bromochloromethane	7.36	49	91867	55.695	ug/l	99
29) Tetrahydrofuran	7.38	42	144518	248.514	ug/l	99
30) Chloroform	7.54	83	197386	50.349	ug/l	99
31) Cyclohexane	7.82	56	187512	47.219	ug/l	98
32) 1,1,1-Trichloroethane	7.73	97	167673	50.654	ug/l	99
36) 1,1-Dichloropropene	7.94	75	139606	43.725	ug/l	99
37) Ethyl Acetate	7.02	43	211926	108.639	ug/l #	1
38) Carbon Tetrachloride	7.93	117	144070	50.630	ug/l	100

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.21	83	186612	45.624	ug/l	98
40) Benzene	8.19	78	471591	49.260	ug/l	100
41) Methacrylonitrile	7.36	41	39890m	39.626	ug/l	
42) 1,2-Dichloroethane	8.27	62	133045	49.736	ug/l	100
43) Isopropyl Acetate	8.30	43	10464	2.759	ug/l #	63
44) Trichloroethene	8.96	130	120848	49.192	ug/l	99
45) 1,2-Dichloropropane	9.24	63	122361	50.560	ug/l	100
46) Dibromomethane	9.33	93	65342	50.292	ug/l	98
47) Bromodichloromethane	9.52	83	154980	49.899	ug/l	99
48) Methyl methacrylate	9.31	41	145899	84.609	ug/l	96
49) 1,4-Dioxane	9.31	88	17287	943.508	ug/l #	88
51) 4-Methyl-2-Pentanone	10.09	43	466556	238.839	ug/l	100
52) Toluene	10.26	92	285824	47.098	ug/l	99
53) t-1,3-Dichloropropene	10.48	75	169836	49.334	ug/l	99
54) cis-1,3-Dichloropropene	9.95	75	190437	48.195	ug/l	99
55) 1,1,2-Trichloroethane	10.66	97	96535	50.340	ug/l	97
56) Ethyl methacrylate	10.52	69	6380	2.201	ug/l #	75
57) 1,3-Dichloropropane	10.81	76	166629	49.880	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.80	63	243112	242.395	ug/l	98
59) 2-Hexanone	10.85	43	282534	207.757	ug/l	100
60) Dibromochloromethane	11.00	129	106181	49.506	ug/l	99
61) 1,2-Dibromoethane	11.11	107	91469	50.455	ug/l	98
64) Tetrachloroethene	10.74	164	90850	48.886	ug/l	99
65) Chlorobenzene	11.53	112	304924	49.722	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.60	131	110334	52.720	ug/l	99
67) Ethyl Benzene	11.61	91	531789	47.055	ug/l	100
68) m/p-Xylenes	11.71	106	413814	98.037	ug/l	100
69) o-Xylene	12.04	106	204757	50.425	ug/l	99
70) Styrene	12.06	104	340038	47.728	ug/l	100
71) Bromoform	12.22	173	63285	50.657	ug/l #	99
73) Isopropylbenzene	12.34	105	495997	47.584	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.59	83	121189	54.288	ug/l	98
76) 1,2,3-Trichloropropane	12.64	75	83715m	52.592	ug/l	
77) Bromobenzene	12.62	156	118815	51.464	ug/l	99
78) n-propylbenzene	12.68	91	569408	45.385	ug/l	99
79) 2-Chlorotoluene	12.77	91	363932	50.776	ug/l	100
80) 1,3,5-Trimethylbenzene	12.82	105	441994	50.799	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	41895	49.807	ug/l	99
82) 4-Chlorotoluene	12.86	91	378489	49.437	ug/l	99
83) tert-Butylbenzene	13.08	119	362798	49.467	ug/l	98
84) 1,2,4-Trimethylbenzene	13.13	105	425143	48.669	ug/l	99
85) sec-Butylbenzene	13.27	105	471924	45.289	ug/l	100
86) p-Isopropyltoluene	13.38	119	420637	45.808	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	224019	50.383	ug/l	100
88) 1,4-Dichlorobenzene	13.45	146	225143	49.870	ug/l	99
89) n-Butylbenzene	13.70	91	365705	39.571	ug/l	99
90) Hexachloroethane	13.97	117	85474	49.106	ug/l	98
91) 1,2-Dichlorobenzene	13.75	146	207668	50.643	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.37	75	19543	50.733	ug/l	99
93) 1,2,4-Trichlorobenzene	15.02	180	115350	41.912	ug/l	100

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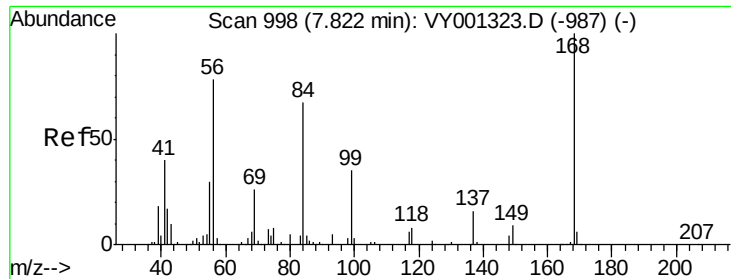
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y012120S.M
Quant Title : SW846 8260
QLast Update : Thu Jan 23 01:21:47 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.12	225	44951	33.543	ug/l	96
95) Naphthalene	15.25	128	302572	48.080	ug/l	100
96) 1,2,3-Trichlorobenzene	15.44	180	100276	41.535	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 998

Delta R.T. -0.00 min

Lab File: VY001360.D

Acq: 23 Jan 2020 17:32

Instrument :

MSVOA_Y

ClientSampleId :

EP-12MSD

Tot Ion:168 Resp: 188728

Ion Ratio Lower Upper

168 100

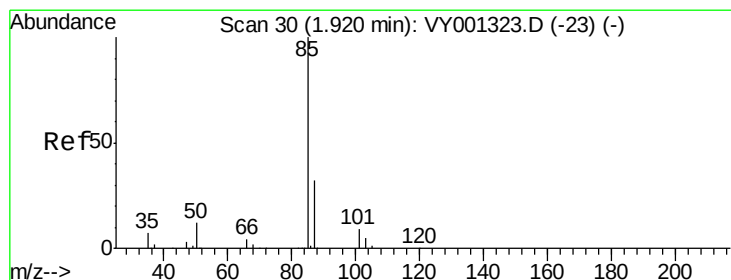
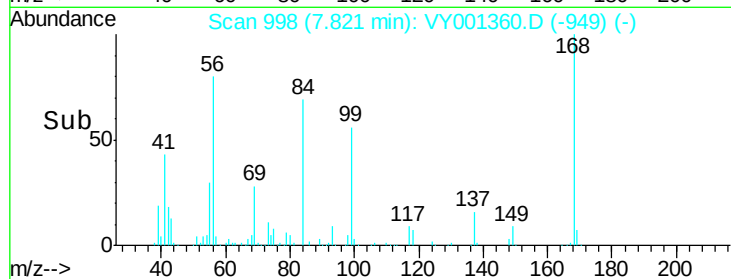
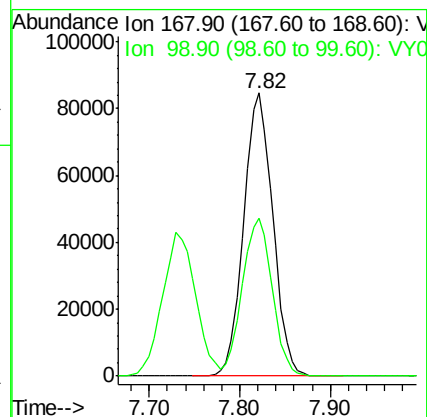
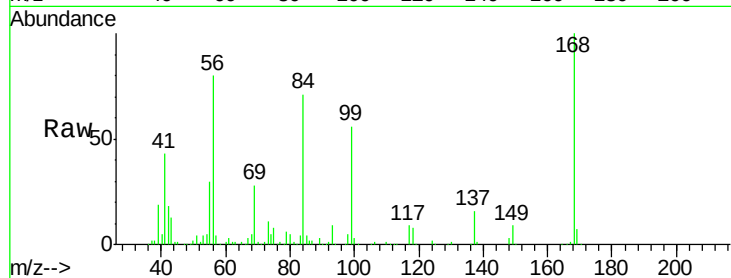
99 55.7 44.3 66.5

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 52.268 ug/l

RT: 1.91 min Scan# 29

Delta R.T. -0.01 min

Lab File: VY001360.D

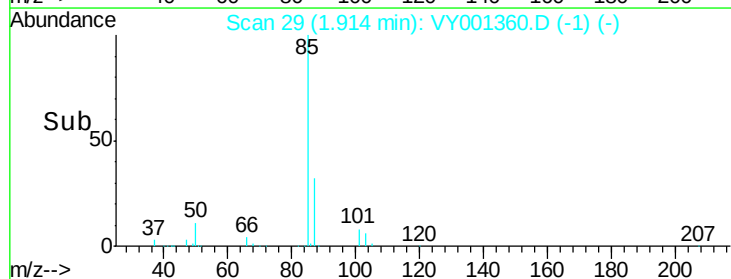
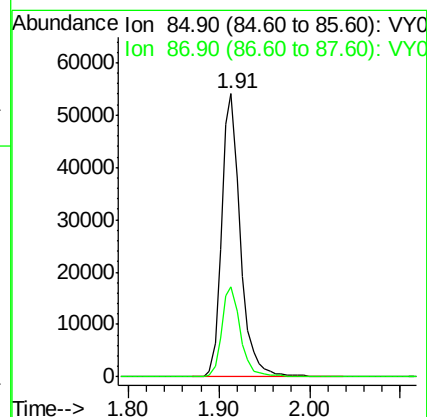
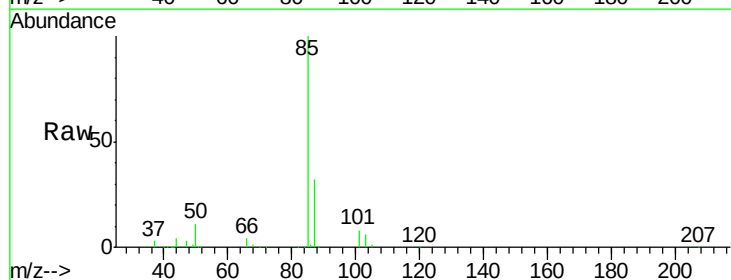
Acq: 23 Jan 2020 17:32

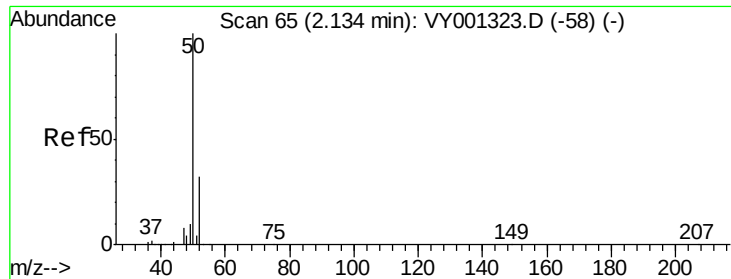
Tgt Ion: 85 Resp: 77792

Ion Ratio Lower Upper

85 100

87 32.0 16.0 48.0





#3

Chloromethane

Concen: 49.594 ug/l

RT: 2.13 min Scan# 64

Delta R.T. -0.01 min

Lab File: VY001360.D

Acq: 23 Jan 2020 17:32

Instrument :

MSVOA_Y

ClientSampleId :

EP-12MSD

Tot Ion: 50 Resp: 111558

Ion Ratio Lower Upper

50 100

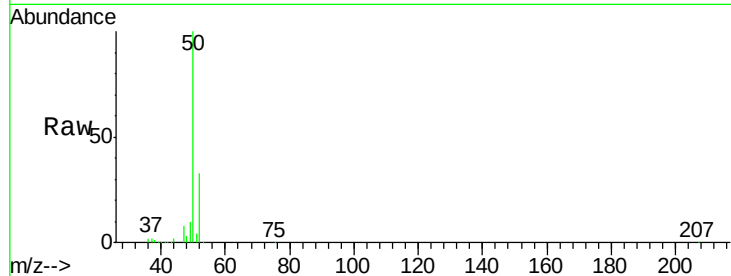
52 32.6 25.7 38.5

Manual Integrations

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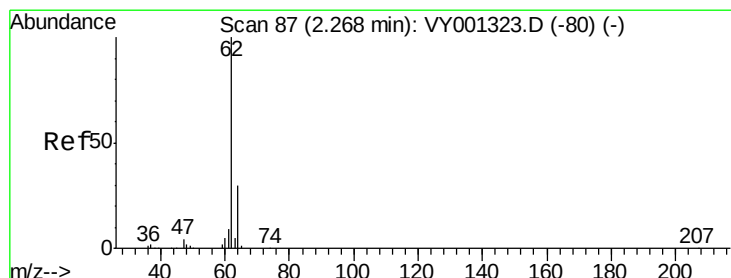
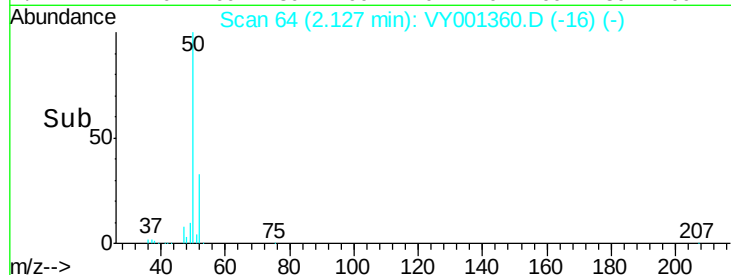
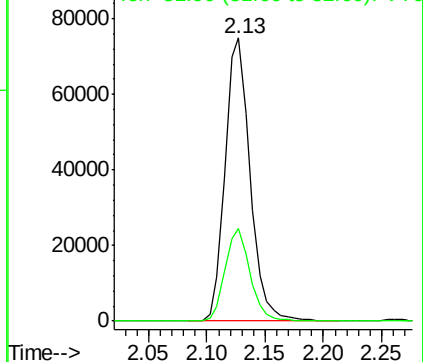
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Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 49.942 ug/l

RT: 2.26 min Scan# 86

Delta R.T. -0.01 min

Lab File: VY001360.D

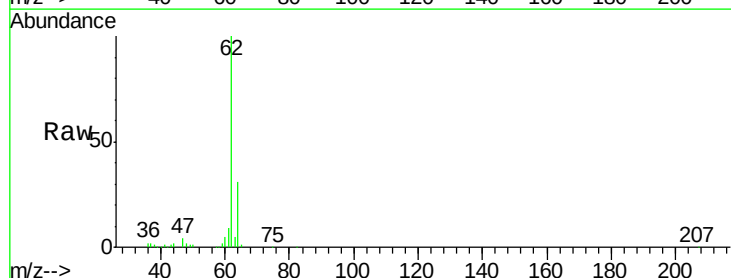
Acq: 23 Jan 2020 17:32

Tgt Ion: 62 Resp: 117139

Ion Ratio Lower Upper

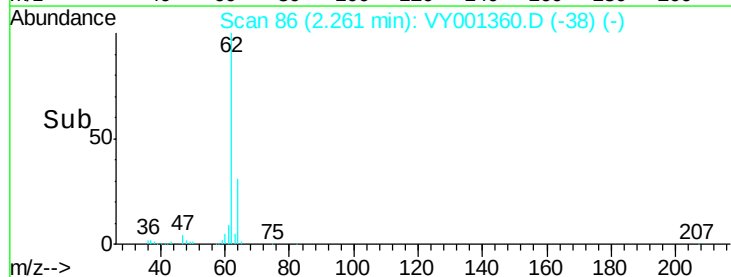
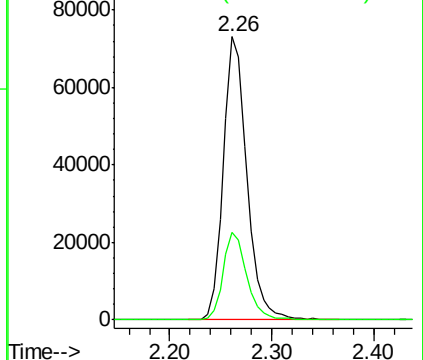
62 100

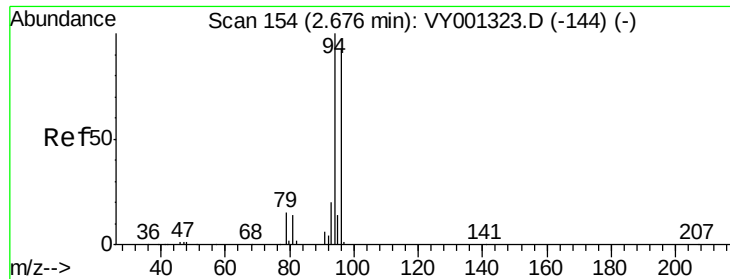
64 31.1 23.9 35.9



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 49.170 ug/l

RT: 2.66 min Scan# 152

Delta R.T. -0.01 min

Lab File: VY001360.D

Acq: 23 Jan 2020 17:32

Instrument :

MSVOA_Y

ClientSampleId :

EP-12MSD

Tot Ion: 94 Resp: 77671

Ion Ratio Lower Upper

94 100

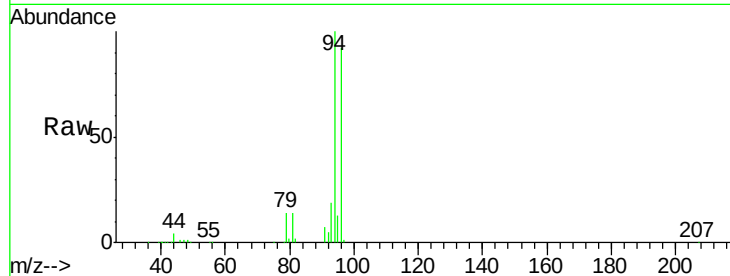
96 91.7 74.6 111.8

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0

2.66

40000

30000

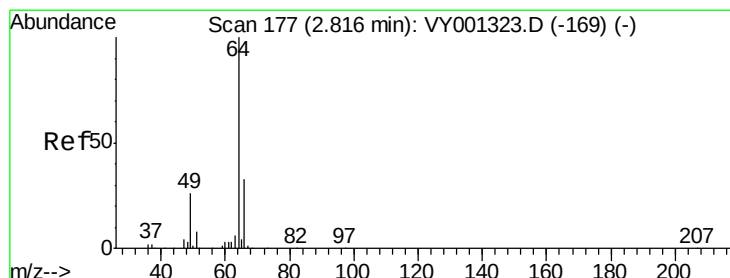
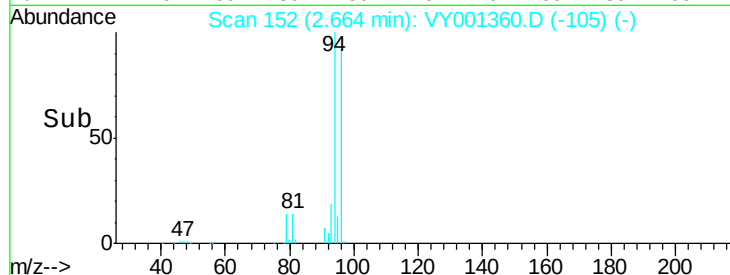
20000

10000

0

Time-->

2.60 2.70 2.80



#6

Chloroethane

Concen: 50.618 ug/l

RT: 2.81 min Scan# 176

Delta R.T. -0.01 min

Lab File: VY001360.D

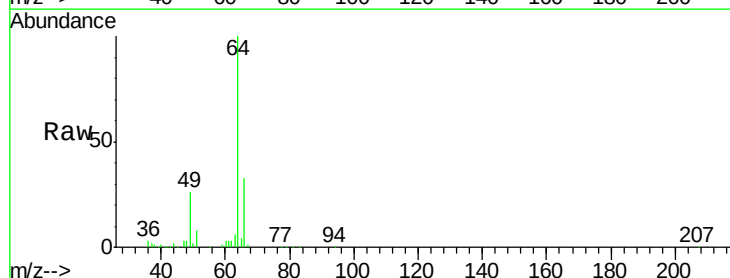
Acq: 23 Jan 2020 17:32

Tgt Ion: 64 Resp: 75864

Ion Ratio Lower Upper

64 100

66 32.6 26.8 40.2



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0

2.81

40000

30000

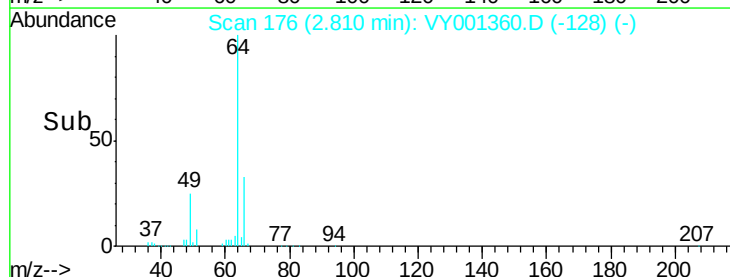
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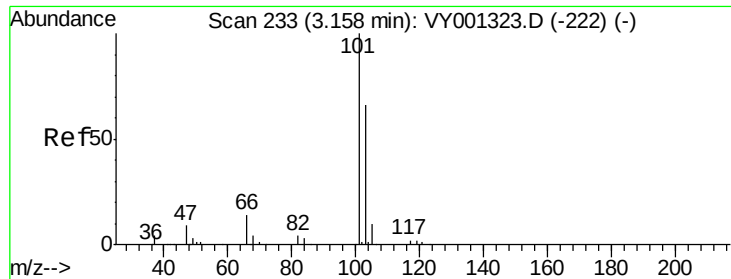
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Time-->

2.70 2.80 2.90





#7

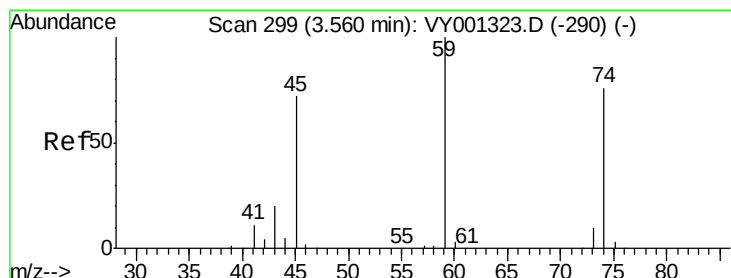
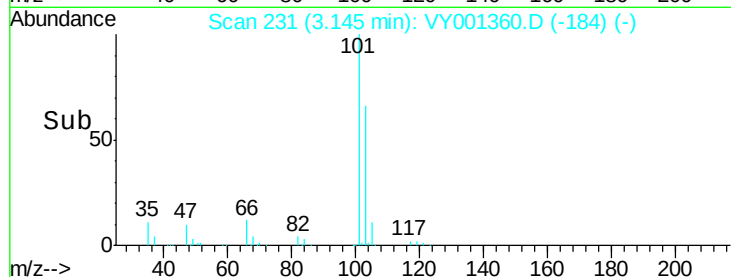
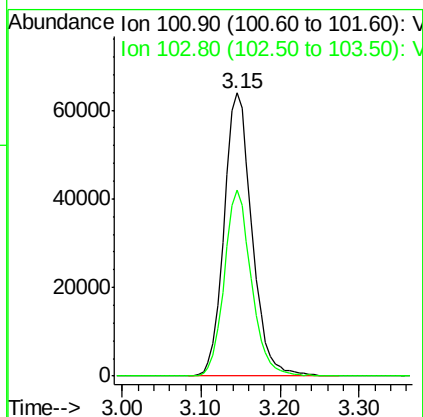
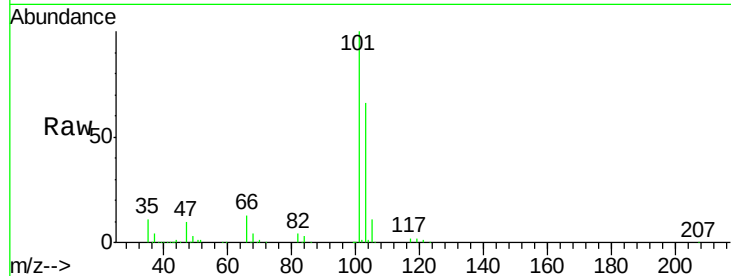
Trichlorofluoromethane
 Concen: 52.268 ug/l
 RT: 3.15 min Scan# 231
 Delta R.T. -0.01 min
 Lab File: VY001360.D
 Acq: 23 Jan 2020 17:32

Instrument :
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 EP-12MSD

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.7	52.5	78.7

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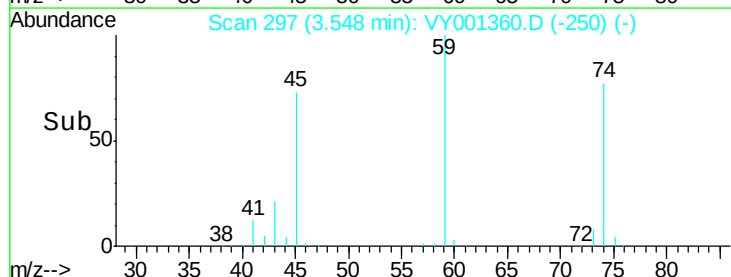
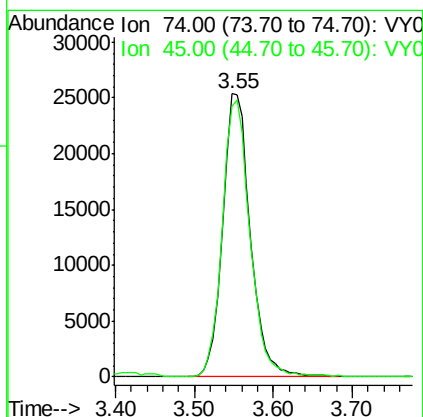
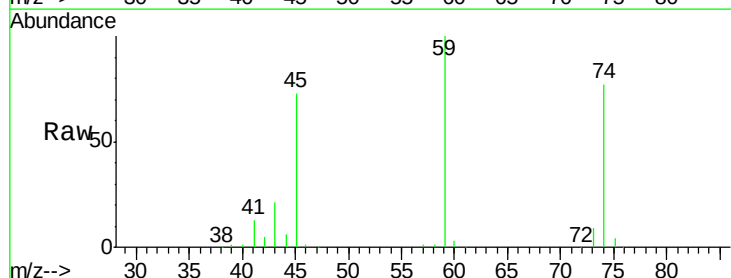
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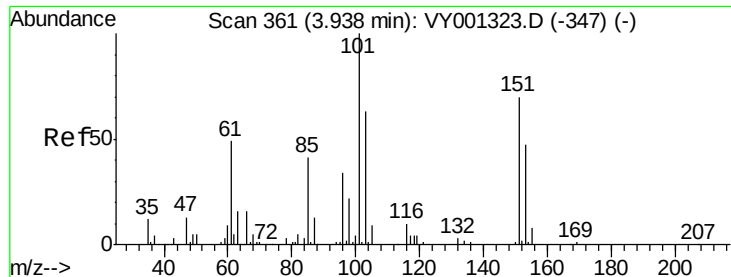


#8

Diethyl Ether
 Concen: 49.056 ug/l
 RT: 3.55 min Scan# 297
 Delta R.T. -0.01 min
 Lab File: VY001360.D
 Acq: 23 Jan 2020 17:32

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.2	47.2	141.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.752 ug/l

RT: 3.93 min Scan# 359

Delta R.T. -0.01 min

Lab File: VY001360.D

Acq: 23 Jan 2020 17:32

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MSVOA_Y

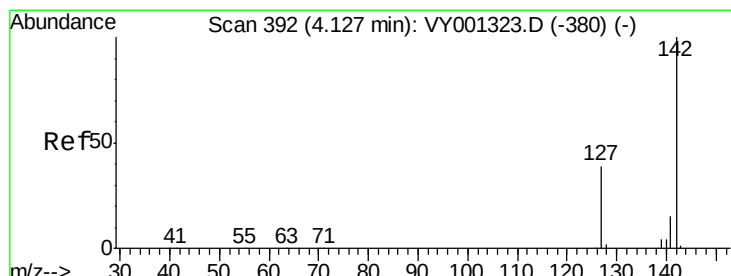
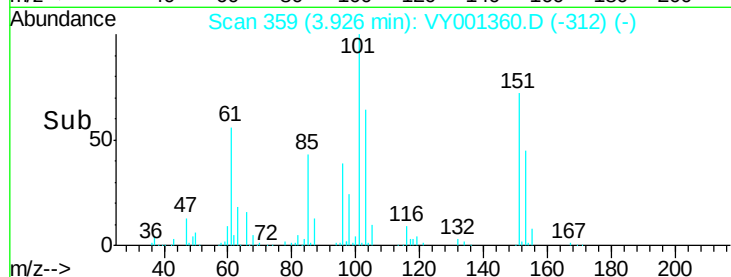
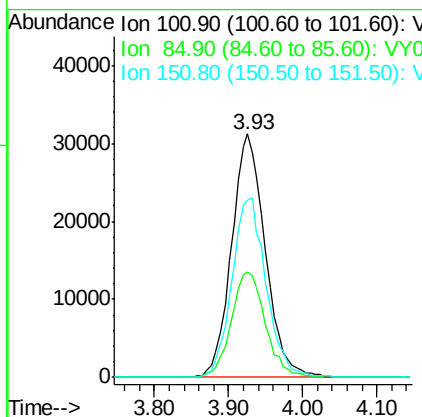
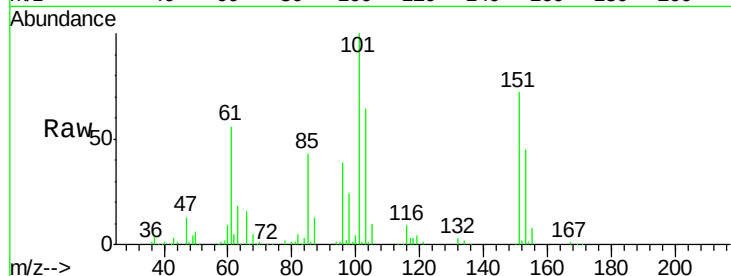
ClientSampleId :

EP-12MSD

Tot Ion:	101	Resp:	98905
Ion Ratio	Lower	Upper	
101	100		
85	43.8	34.9	52.3
151	74.8	59.9	89.9

Manual Integrations
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#10

Methyl Iodide

Concen: 48.902 ug/l

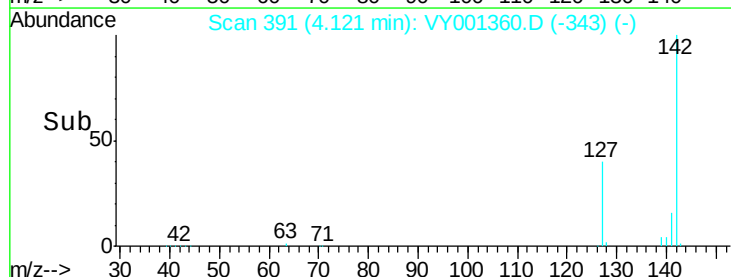
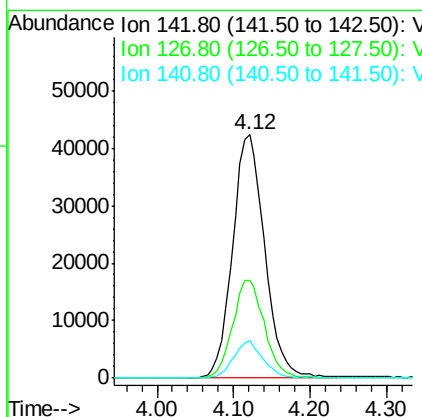
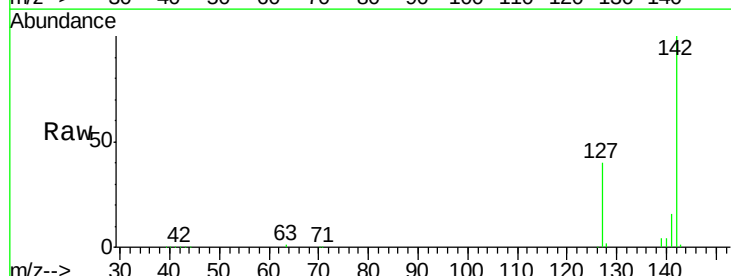
RT: 4.12 min Scan# 391

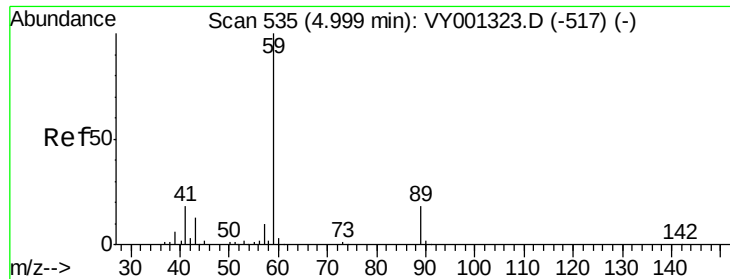
Delta R.T. -0.01 min

Lab File: VY001360.D

Acq: 23 Jan 2020 17:32

Tgt Ion:	142	Resp:	123262
Ion Ratio	Lower	Upper	
142	100		
127	39.8	31.6	47.4
141	14.2	11.2	16.8





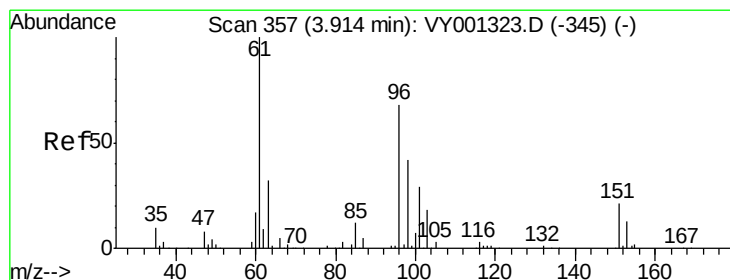
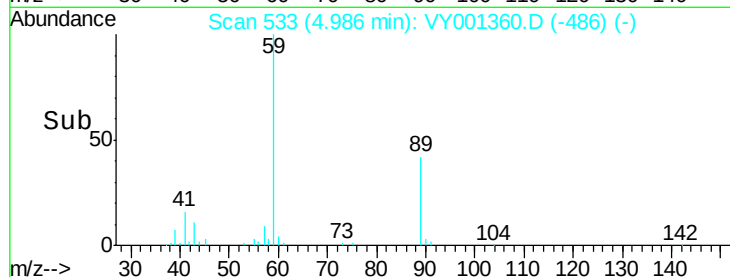
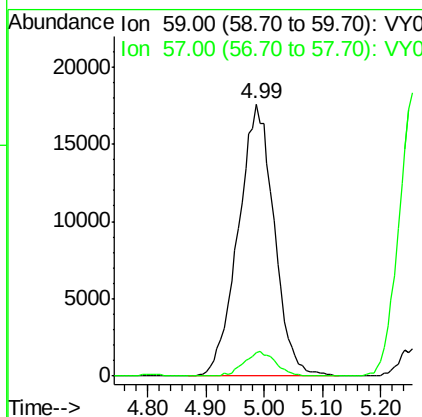
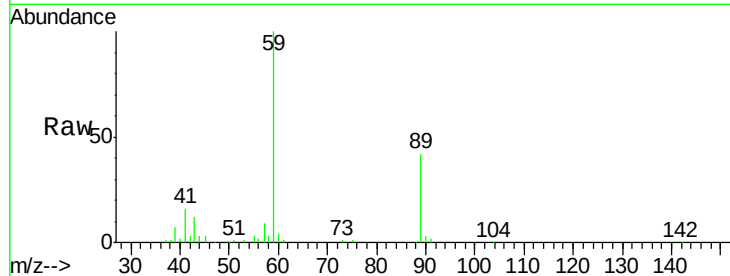
#11
Tert butyl alcohol
Concen: 294.917 ug/l
RT: 4.99 min Scan# 533
Delta R.T. -0.01 min
Lab File: VY001360.D
Acq: 23 Jan 2020 17:32

Instrument :
MSVOA_Y
ClientSampleId :
EP-12MSD

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.0	7.4	11.2

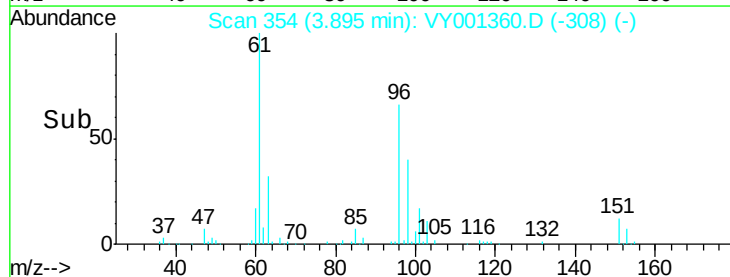
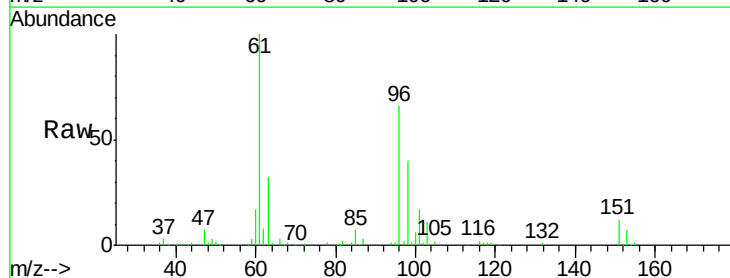
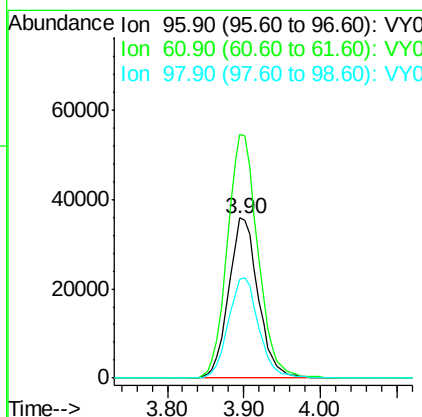
Manual Integrations
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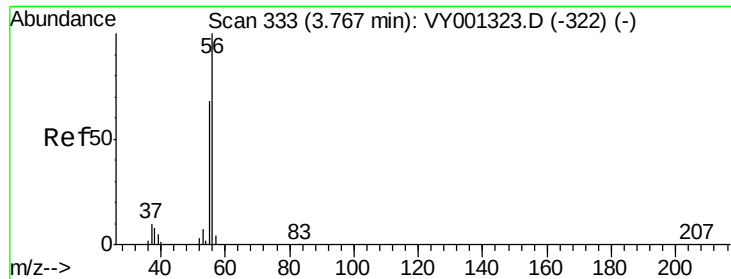
MMDadoda
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#12
1,1-Dichloroethene
Concen: 47.862 ug/l
RT: 3.90 min Scan# 354
Delta R.T. -0.02 min
Lab File: VY001360.D
Acq: 23 Jan 2020 17:32

Tgt Ion	Ratio	Lower	Upper
96	100		
61	151.8	118.0	177.0
98	61.5	49.4	74.2





#13

Acrolein

Concen: Below Cal

RT: 3.76 min Scan# 332

Delta R.T. -0.01 min

Lab File: VY001360.D

Acq: 23 Jan 2020 17:32

Instrument :

MSVOA_Y

ClientSampleId :

EP-12MSD

Tot Ion: 56 Resp: 1611

Ion Ratio Lower Upper

56 100

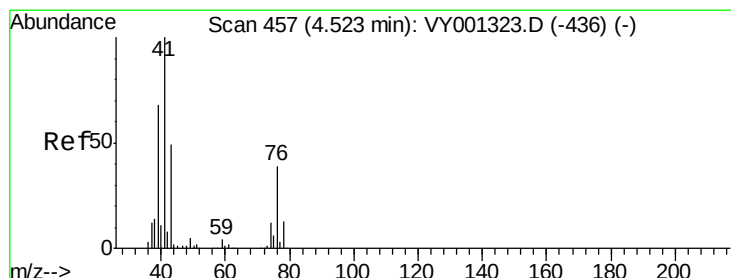
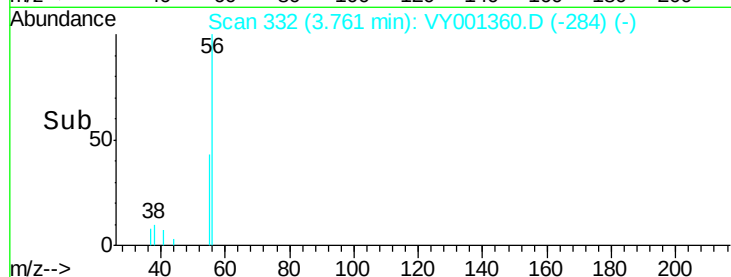
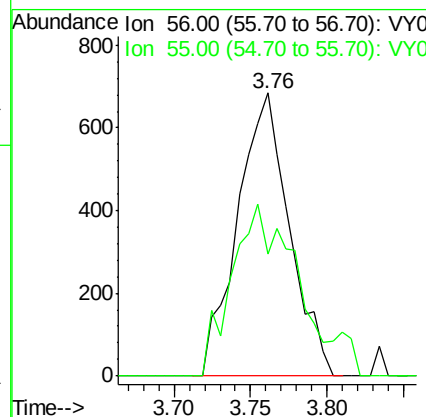
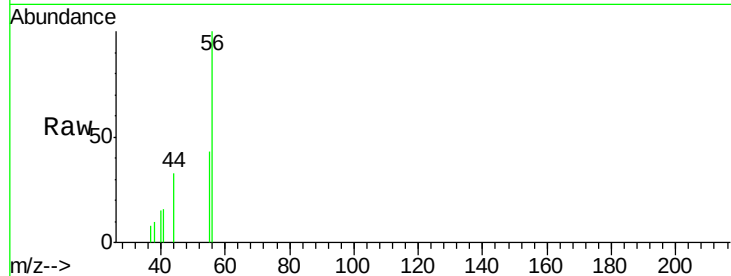
55 79.0 55.9 83.9

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#14

Allyl chloride

Concen: 49.647 ug/l

RT: 4.52 min Scan# 456

Delta R.T. -0.01 min

Lab File: VY001360.D

Acq: 23 Jan 2020 17:32

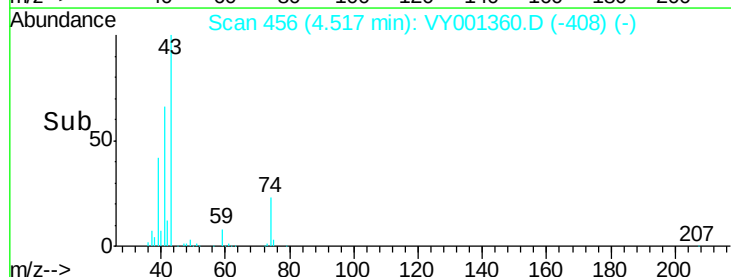
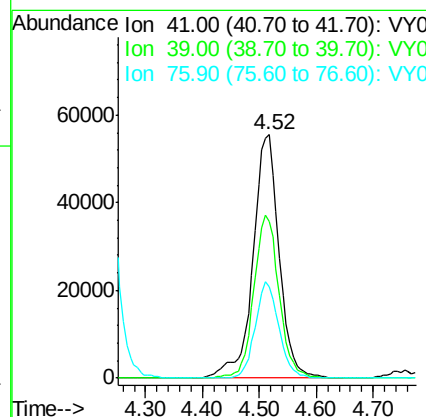
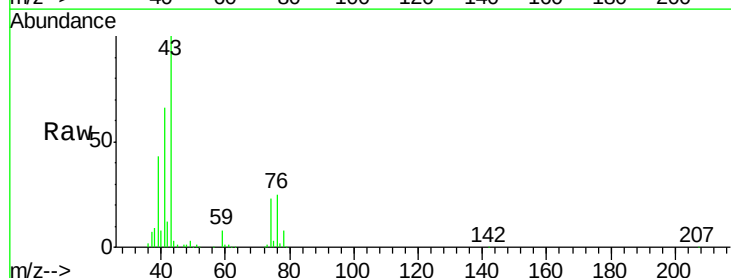
Tgt Ion: 41 Resp: 177410

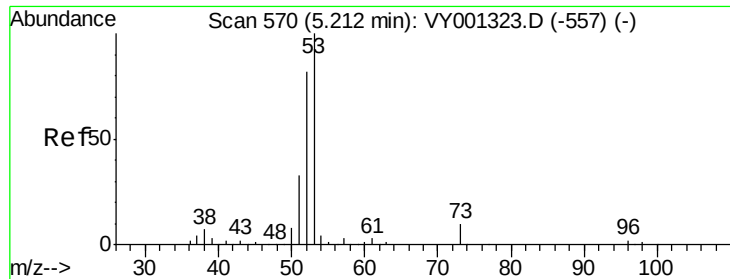
Ion Ratio Lower Upper

41 100

39 64.5 52.2 78.4

76 35.7 29.1 43.7





#15

Acrylonitrile

Concen: 229.415 ug/l

RT: 5.20 min Scan# 568

Delta R.T. -0.01 min

Lab File: VY001360.D

Acq: 23 Jan 2020 17:32

Instrument :

MSVOA_Y

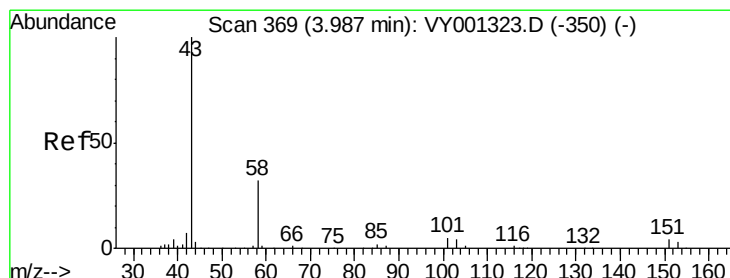
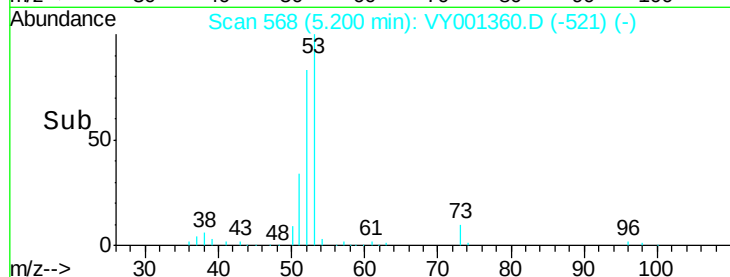
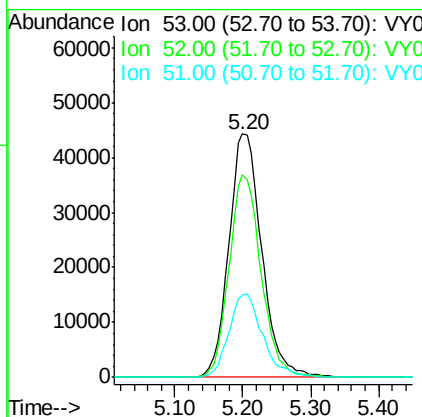
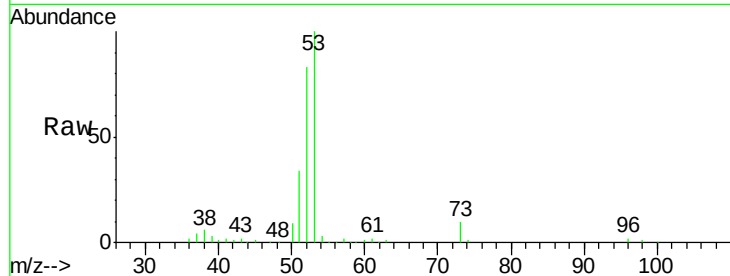
ClientSampleId :

EP-12MSD

Tot Ion:	53	Resp:	148766
Ion	Ratio	Lower	Upper
53	100		
52	80.9	65.3	97.9
51	35.2	28.4	42.6

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#16

Acetone

Concen: 300.083 ug/l

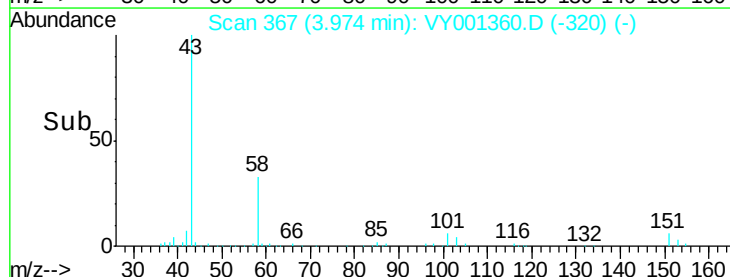
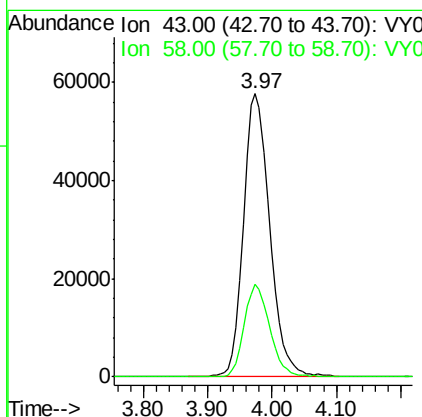
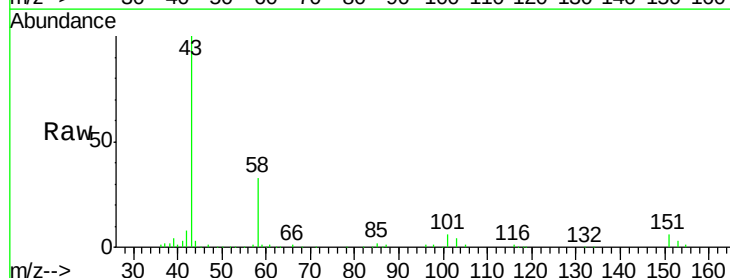
RT: 3.97 min Scan# 367

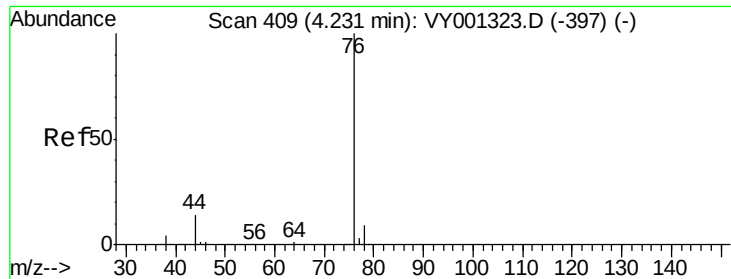
Delta R.T. -0.01 min

Lab File: VY001360.D

Acq: 23 Jan 2020 17:32

Tgt Ion:	43	Resp:	161519
Ion	Ratio	Lower	Upper
43	100		
58	32.8	25.4	38.0





#17

Carbon Disulfide

Concen: 43.272 ug/l

RT: 4.22 min Scan# 408

Delta R.T. -0.01 min

Lab File: VY001360.D

Acq: 23 Jan 2020 17:32

Instrument :

MSVOA_Y

ClientSampleId :

EP-12MSD

Tot Ion: 76 Resp: 272703

Ion Ratio Lower Upper

76 100

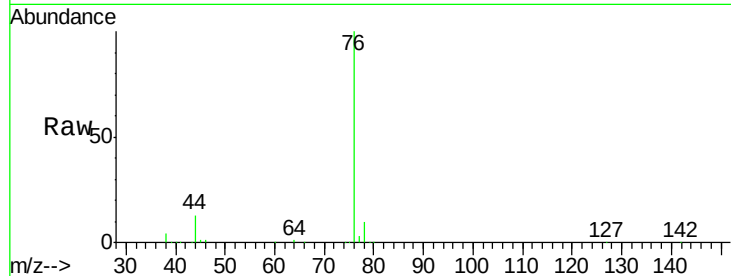
78 9.8 7.0 10.6

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Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0

4.22

100000

80000

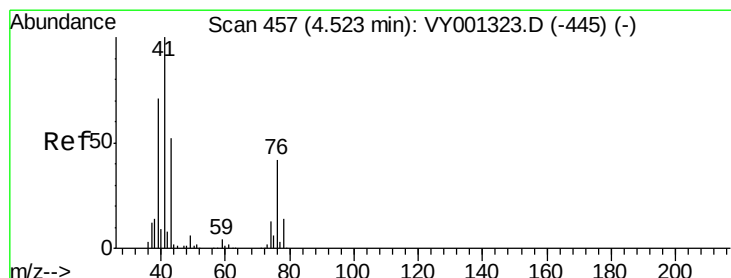
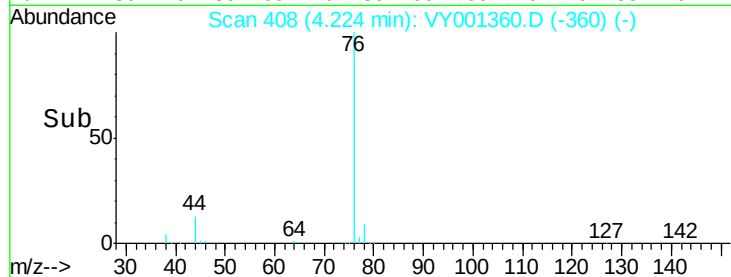
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 160.689 ug/l

RT: 4.51 min Scan# 455

Delta R.T. -0.01 min

Lab File: VY001360.D

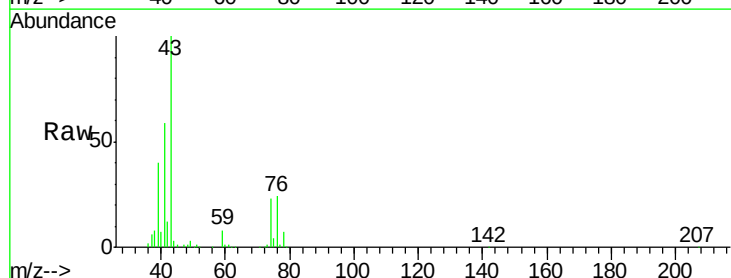
Acq: 23 Jan 2020 17:32

Tgt Ion: 43 Resp: 278286

Ion Ratio Lower Upper

43 100

74 23.4 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0

4.51

100000

80000

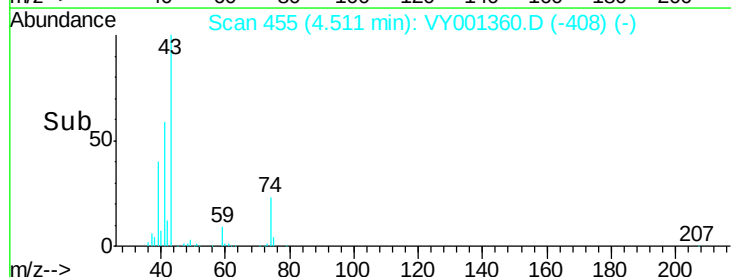
60000

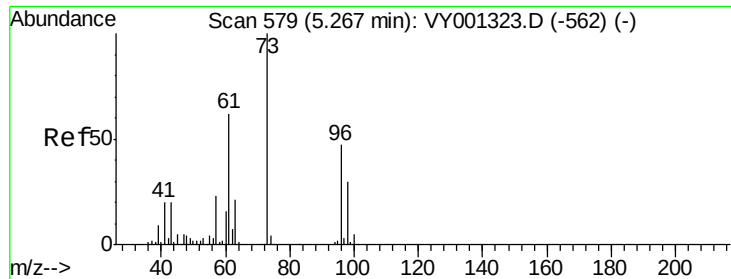
40000

20000

0

Time-->





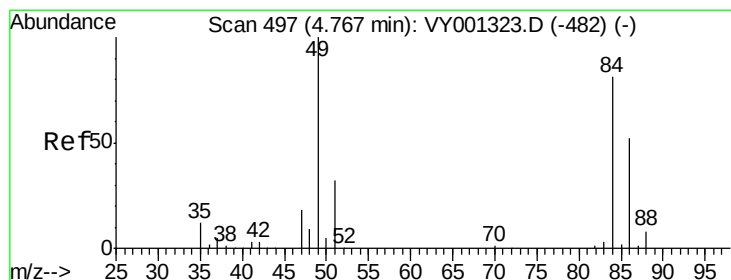
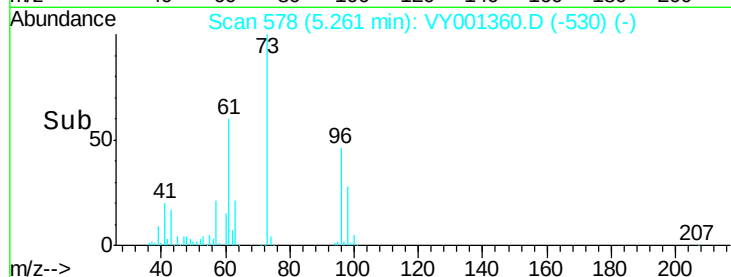
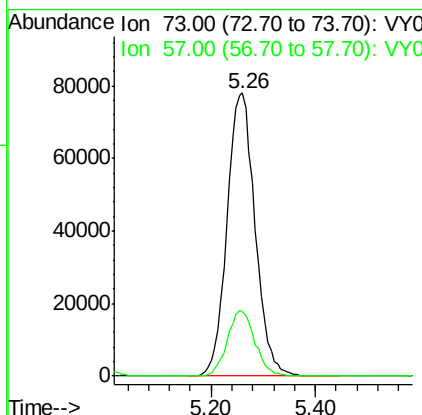
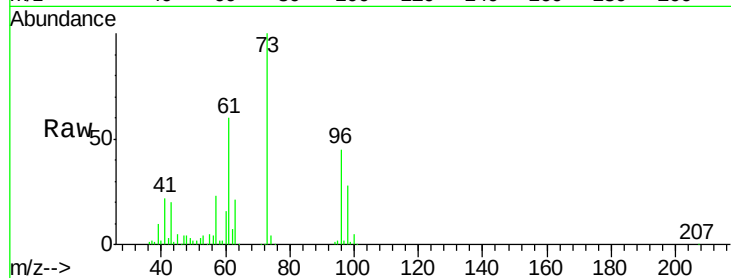
#19
Methyl tert-butyl Ether
Concen: 49.783 ug/l
RT: 5.26 min Scan# 578
Delta R.T. -0.01 min
Lab File: VY001360.D
Acq: 23 Jan 2020 17:32

Instrument :
MSVOA_Y
ClientSampleId :
EP-12MSD

Tot Ion: 73 Resp: 292086
Ion Ratio Lower Upper
73 100
57 22.7 18.2 27.2

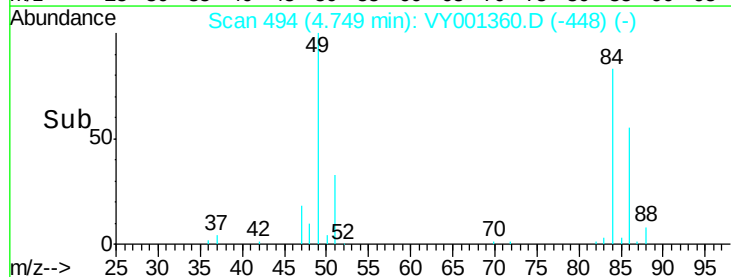
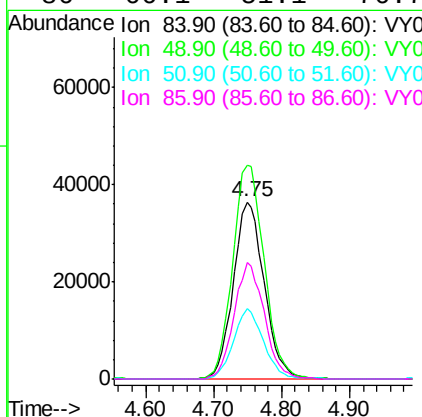
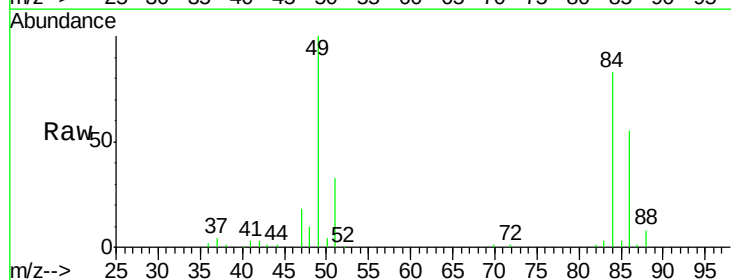
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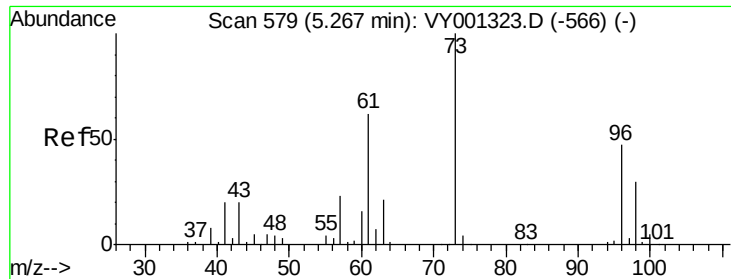
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#20
Methylene Chloride
Concen: 44.834 ug/l
RT: 4.75 min Scan# 494
Delta R.T. -0.02 min
Lab File: VY001360.D
Acq: 23 Jan 2020 17:32

Tgt Ion: 84 Resp: 114808
Ion Ratio Lower Upper
84 100
49 120.8 98.3 147.5
51 39.6 31.6 47.4
86 66.1 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 49.537 ug/l

RT: 5.25 min Scan# 577

Delta R.T. -0.01 min

Lab File: VY001360.D

Acq: 23 Jan 2020 17:32

Instrument :

MSVOA_Y

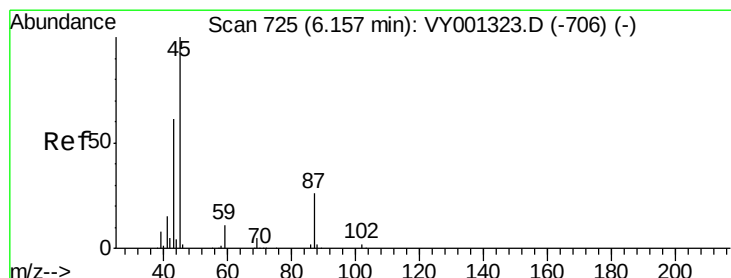
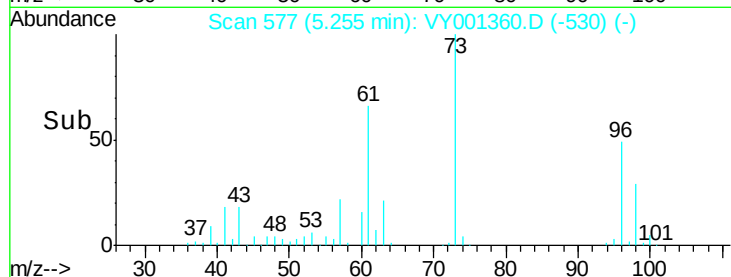
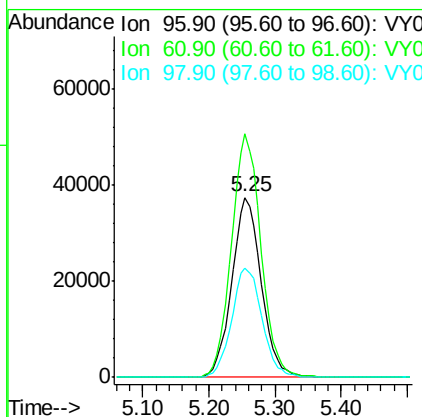
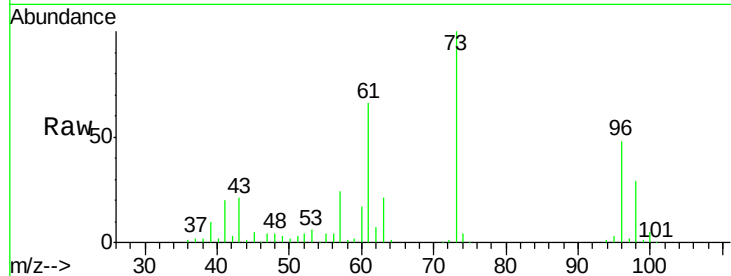
ClientSampleId :

EP-12MSD

Tot Ion:	96	Resp:	115302
Ion	Ratio	Lower	Upper
96	100		
61	135.2	106.8	160.2
98	60.4	51.0	76.6

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#22

Diisopropyl ether

Concen: 48.425 ug/l

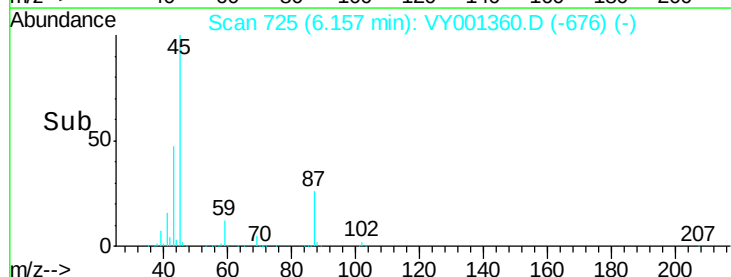
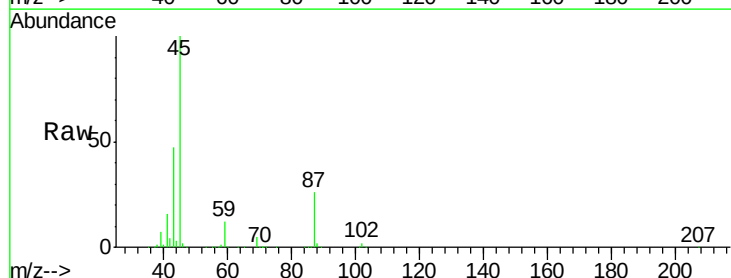
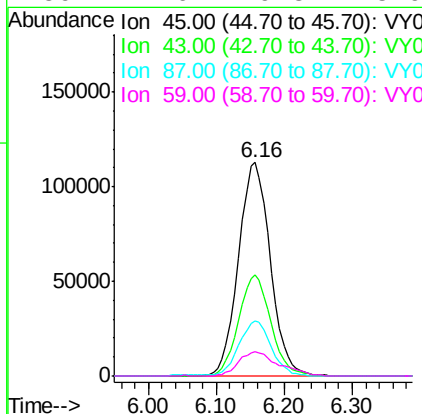
RT: 6.16 min Scan# 725

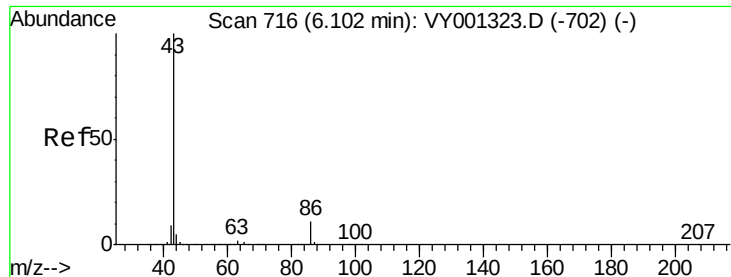
Delta R.T. -0.00 min

Lab File: VY001360.D

Acq: 23 Jan 2020 17:32

Tgt Ion:	45	Resp:	367457
Ion	Ratio	Lower	Upper
45	100		
43	47.5	49.2	73.8#
87	25.8	21.4	32.2
59	11.6	9.3	13.9





#23

Vinyl Acetate

Concen: 35.790 ug/l

RT: 6.16 min Scan# 725

Delta R.T. 0.05 min

Lab File: VY001360.D

Acq: 23 Jan 2020 17:32

Instrument :

MSVOA_Y

ClientSampleId :

EP-12MSD

Tot Ion: 43 Resp: 176309

Ion Ratio Lower Upper

43 100

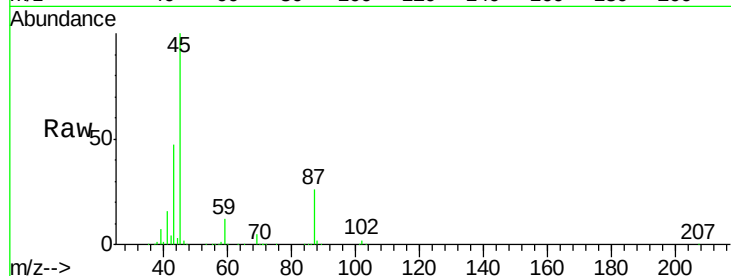
86 0.0 8.6 13.0#

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

6.16

60000

50000

40000

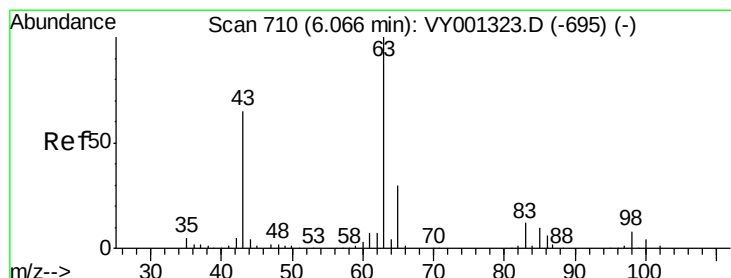
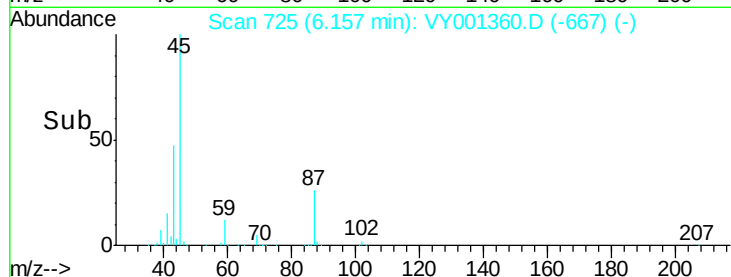
30000

20000

10000

0

Time-->



#24

1,1-Dichloroethane

Concen: 50.940 ug/l

RT: 6.05 min Scan# 708

Delta R.T. -0.01 min

Lab File: VY001360.D

Acq: 23 Jan 2020 17:32

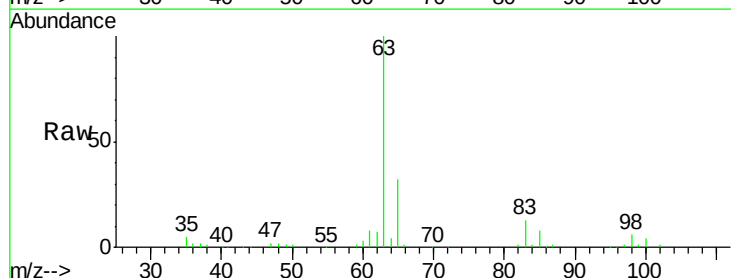
Tgt Ion: 63 Resp: 203743

Ion Ratio Lower Upper

63 100

98 6.4 4.0 12.0

100 4.5 2.1 6.3



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0

6.05

80000

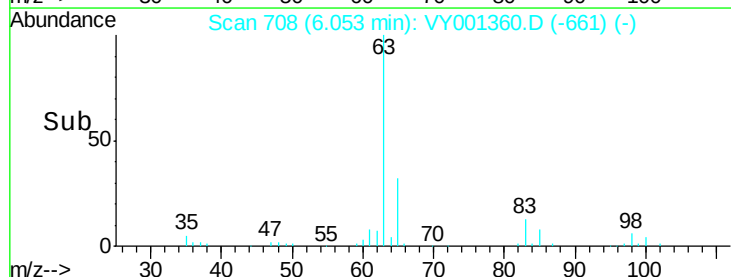
60000

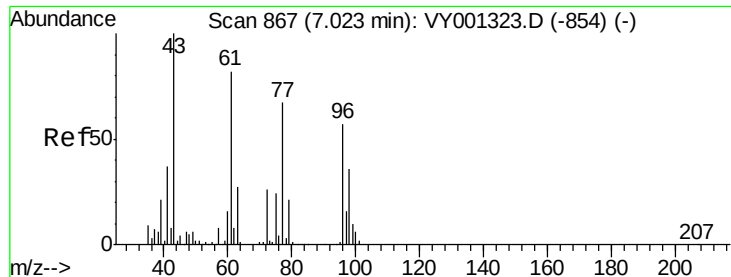
40000

20000

0

Time-->





#25

2-Butanone

Concen: 237.093 ug/l

RT: 7.02 min Scan# 867

Delta R.T. -0.00 min

Lab File: VY001360.D

Acq: 23 Jan 2020 17:32

Instrument :

MSVOA_Y

ClientSampleId :

EP-12MSD

Tot Ion: 43 Resp: 211926

Ion Ratio Lower Upper

43 100

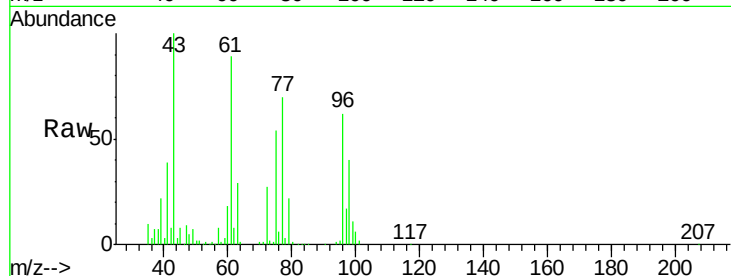
72 26.6 20.6 31.0

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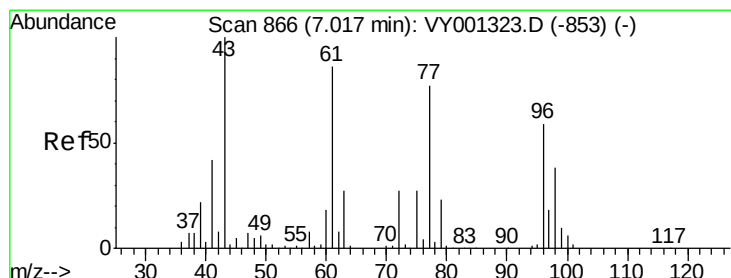
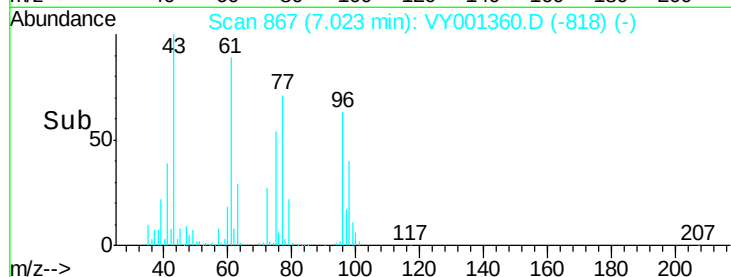
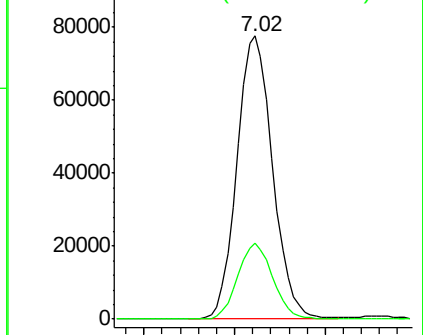
MMDadoda

1/24/2020 4:03:41 PM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#26

2,2-Dichloropropane

Concen: 49.099 ug/l

RT: 7.02 min Scan# 866

Delta R.T. -0.00 min

Lab File: VY001360.D

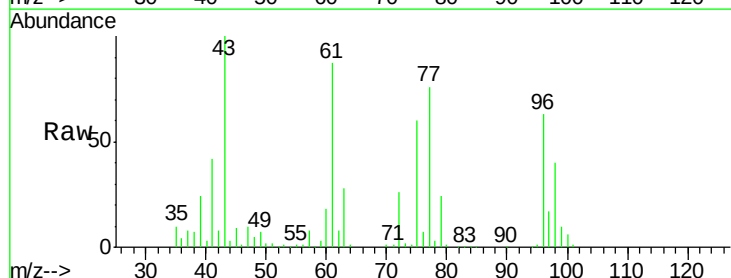
Acq: 23 Jan 2020 17:32

Tgt Ion: 77 Resp: 174925

Ion Ratio Lower Upper

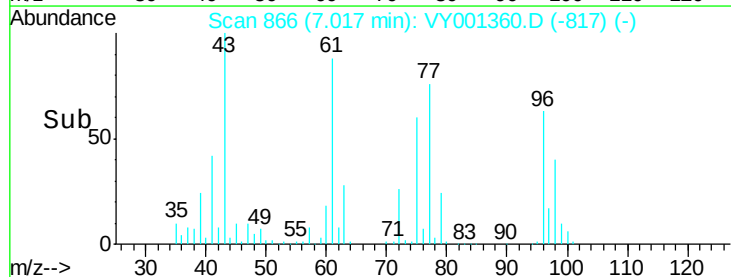
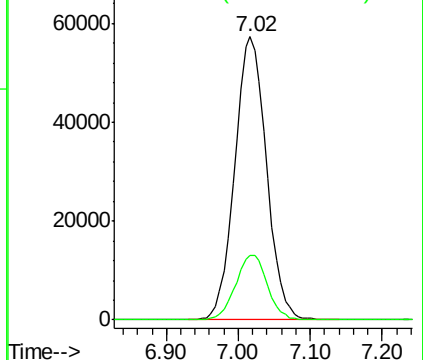
77 100

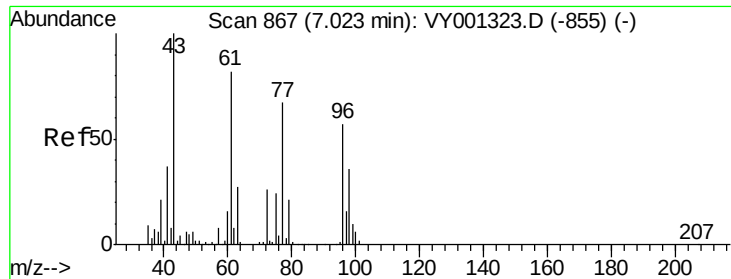
97 22.9 11.9 35.5



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0





#27

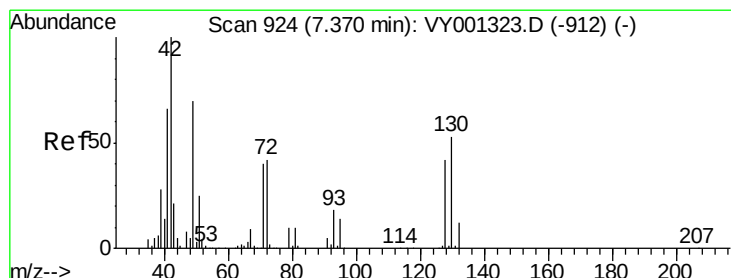
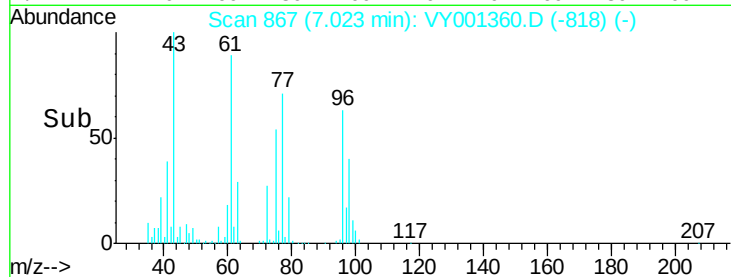
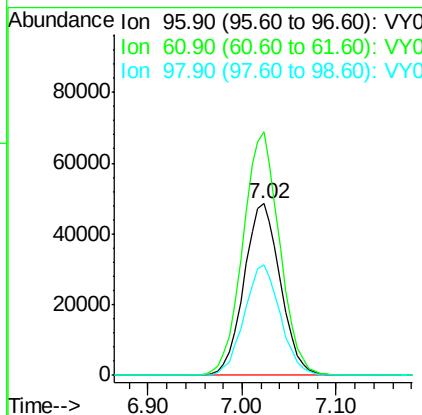
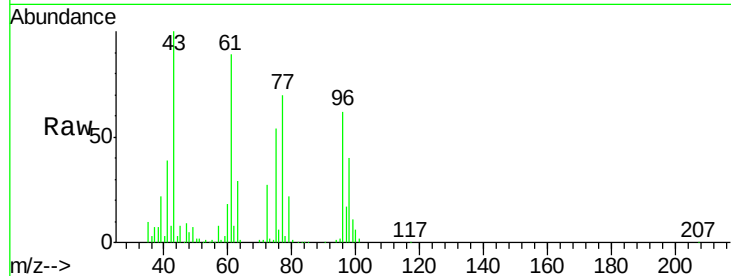
cis-1,2-Dichloroethene
Concen: 50.414 ug/l
RT: 7.02 min Scan# 867
Delta R.T. -0.00 min
Lab File: VY001360.D
Acq: 23 Jan 2020 17:32

Instrument :
MSVOA_Y
ClientSampleId :
EP-12MSD

Tot Ion	Ratio	Resp	Lower	Upper
96	100	131142		
61	143.4	0.0	284.8	
98	63.9	0.0	128.4	

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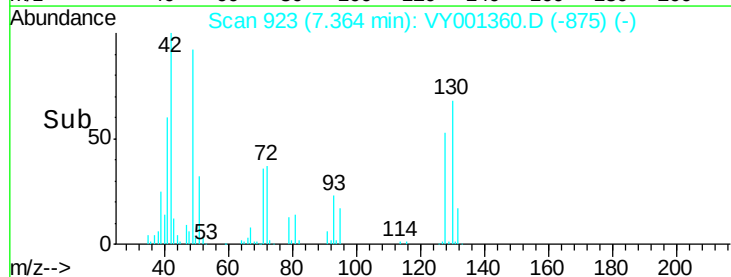
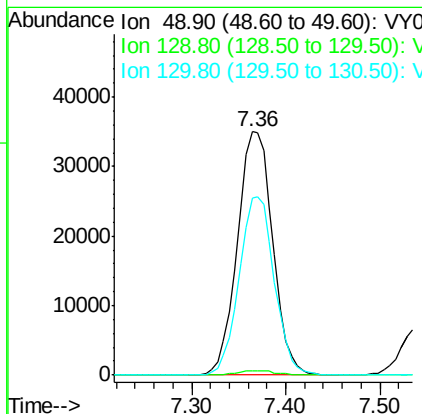
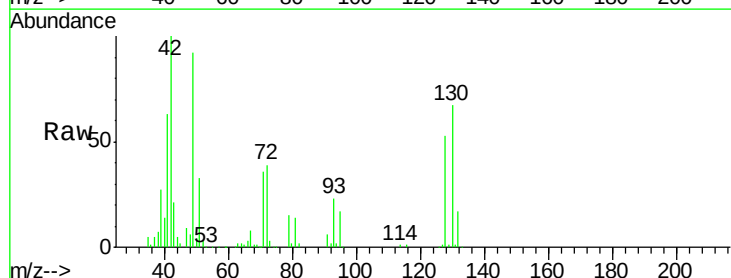
MMDadoda
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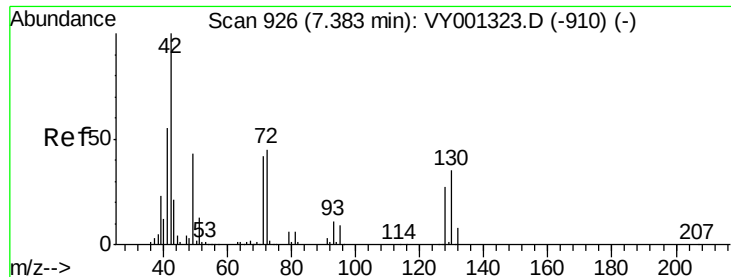


#28

Bromochloromethane
Concen: 55.695 ug/l
RT: 7.36 min Scan# 923
Delta R.T. -0.01 min
Lab File: VY001360.D
Acq: 23 Jan 2020 17:32

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	91867		
129	1.8	0.0	4.0	
130	73.0	58.9	88.3	





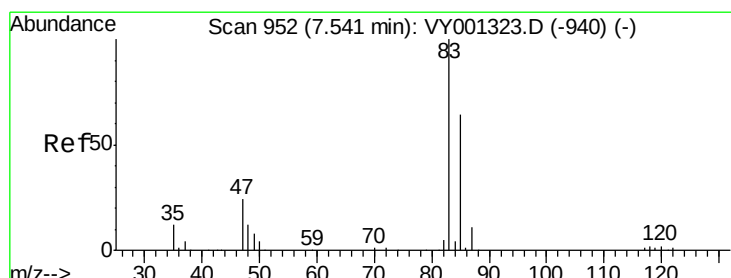
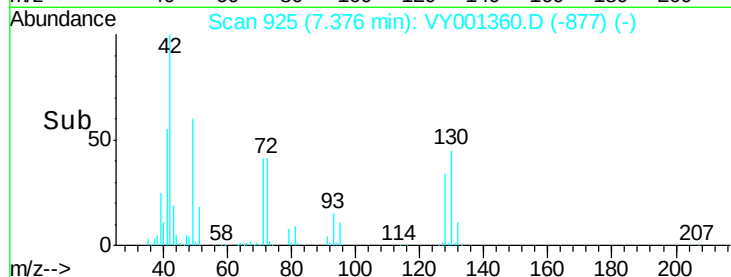
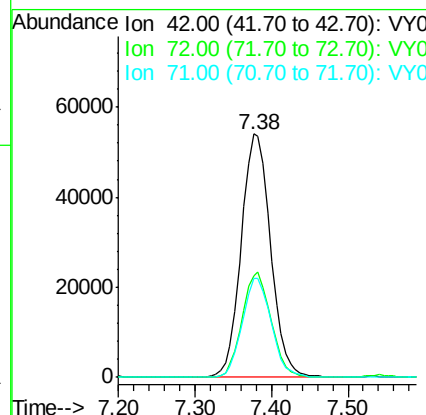
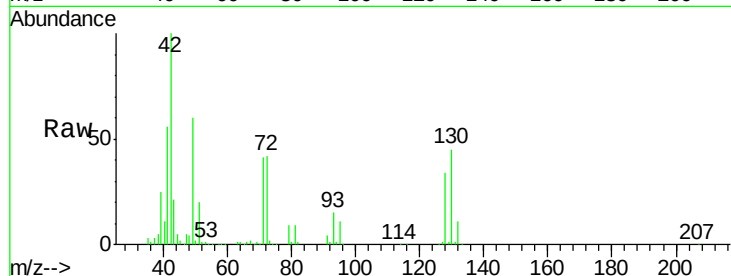
#29
Tetrahydrofuran
Concen: 248.514 ug/l
RT: 7.38 min Scan# 925
Delta R.T. -0.01 min
Lab File: VY001360.D
Acq: 23 Jan 2020 17:32

Instrument :
MSVOA_Y
ClientSampleId :
EP-12MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.5	34.6	51.8
71	40.1	32.6	48.8

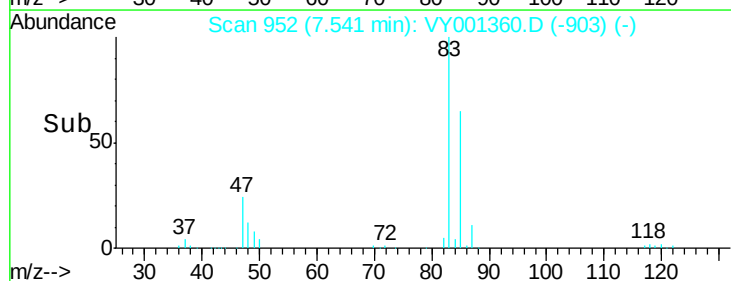
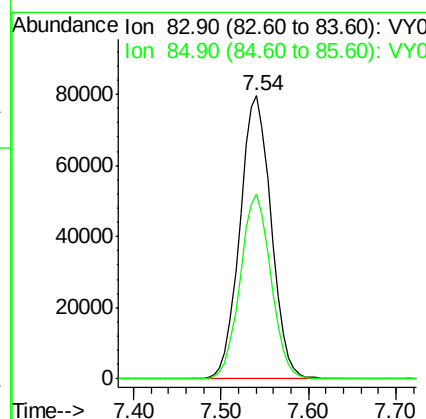
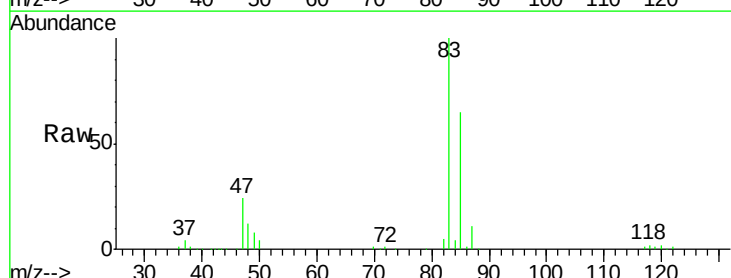
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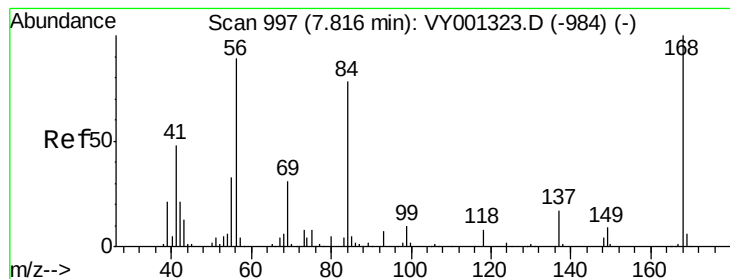
MMDadoda
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#30
Chloroform
Concen: 50.349 ug/l
RT: 7.54 min Scan# 952
Delta R.T. -0.00 min
Lab File: VY001360.D
Acq: 23 Jan 2020 17:32

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	51.5	77.3





#31

Cyclohexane

Concen: 47.219 ug/l

RT: 7.82 min Scan# 997

Delta R.T. -0.00 min

Lab File: VY001360.D

Acq: 23 Jan 2020 17:32

Instrument :

MSVOA_Y

ClientSampleId :

EP-12MSD

Tot Ion: 56 Resp: 187512

Ion Ratio Lower Upper

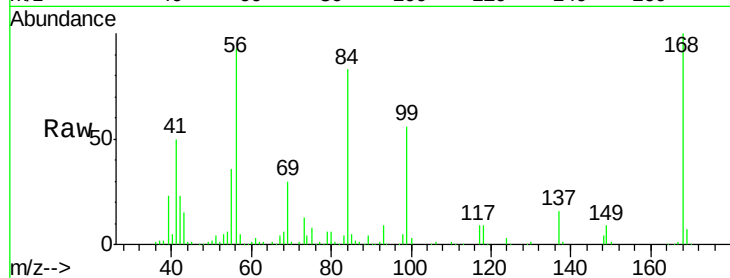
56 100

69 32.9 27.6 41.4

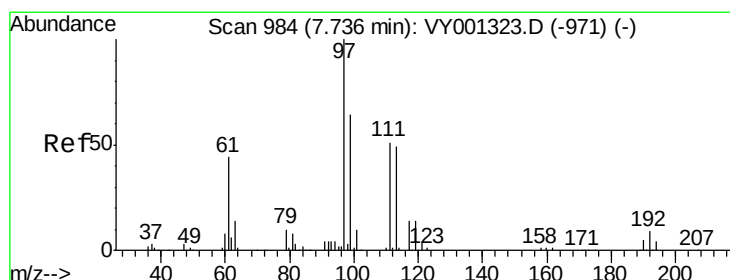
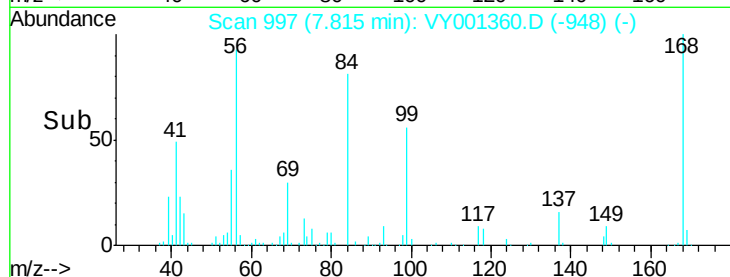
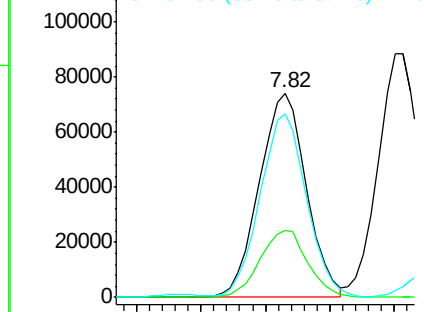
84 88.4 69.7 104.5

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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: 50.654 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.01 min

Lab File: VY001360.D

Acq: 23 Jan 2020 17:32

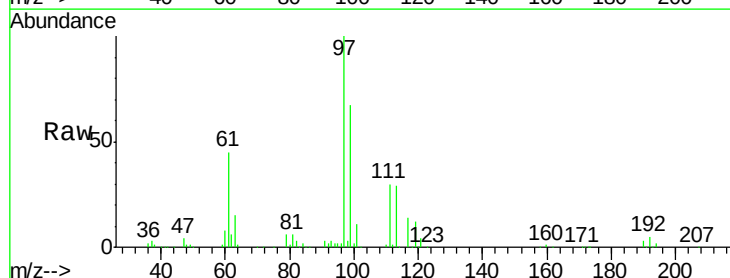
Tgt Ion: 97 Resp: 167673

Ion Ratio Lower Upper

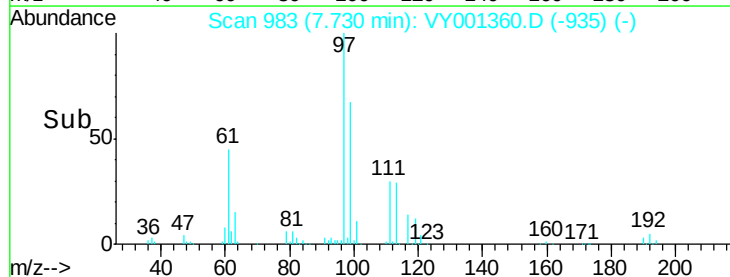
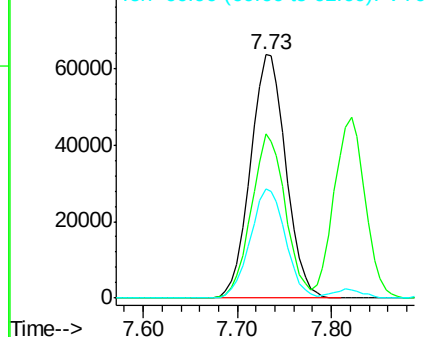
97 100

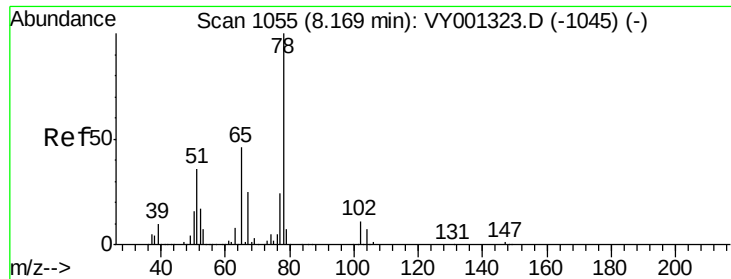
99 64.8 51.3 76.9

61 44.6 35.9 53.9



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





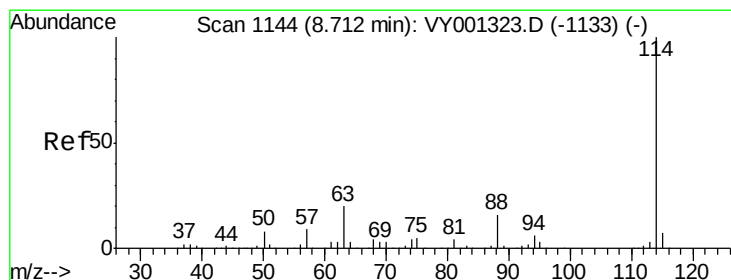
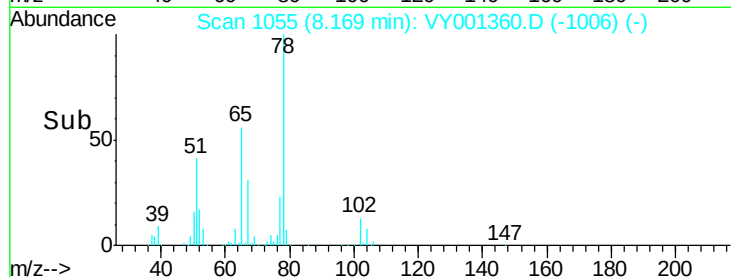
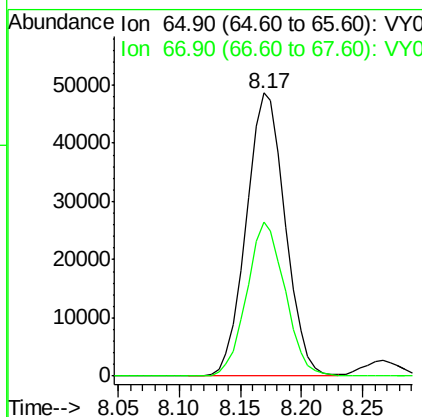
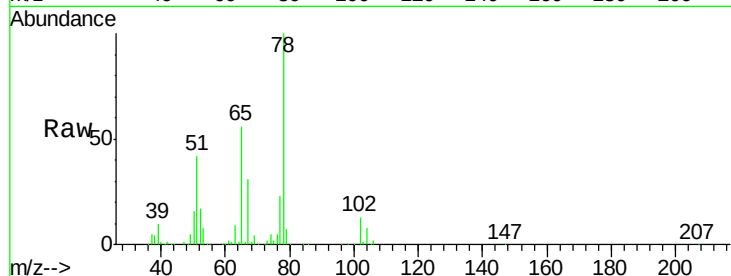
#33
 1,2-Dichloroethane-d4
 Concen: 52.509 ug/l
 RT: 8.17 min Scan# 1055
 Delta R.T. -0.00 min
 Lab File: VY001360.D
 Acq: 23 Jan 2020 17:32

Instrument :
 MSVOA_Y
 ClientSampled :
 EP-12MSD

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.4	0.0	108.6

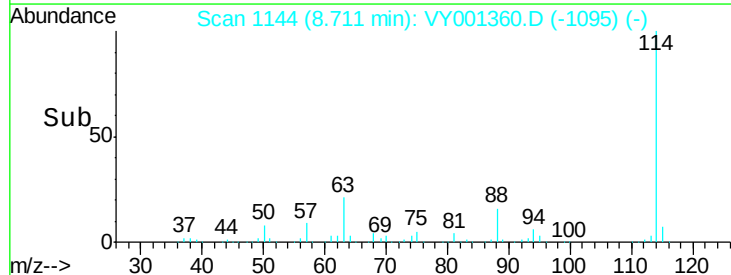
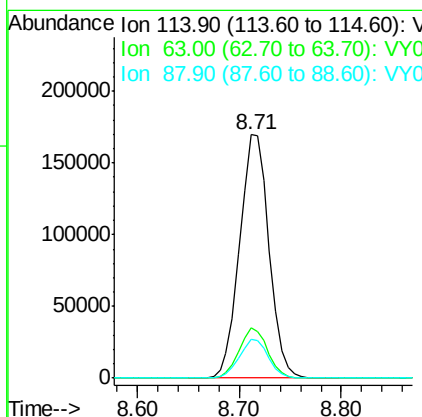
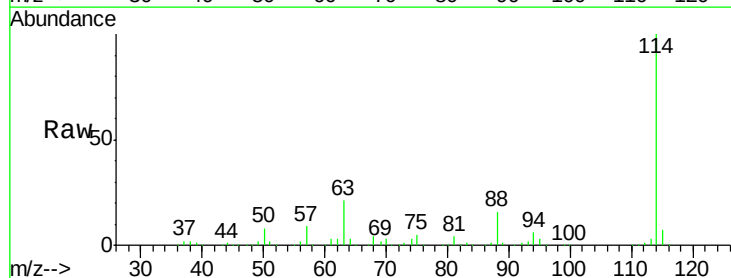
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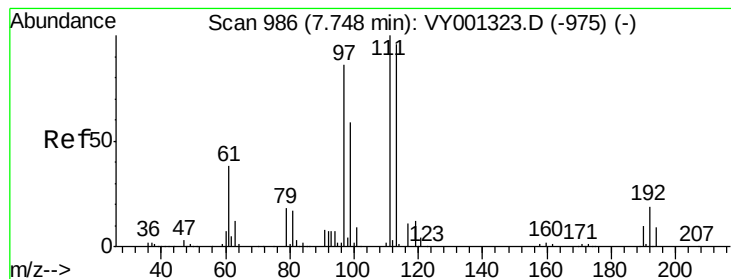
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1144
 Delta R.T. -0.00 min
 Lab File: VY001360.D
 Acq: 23 Jan 2020 17:32

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.5	0.0	40.8
88	15.8	0.0	31.0





#35

Dibromofluoromethane

Concen: 49.782 ug/l

RT: 7.75 min Scan# 986

Delta R.T. -0.00 min

Lab File: VY001360.D

Acq: 23 Jan 2020 17:32

Instrument :

MSVOA_Y

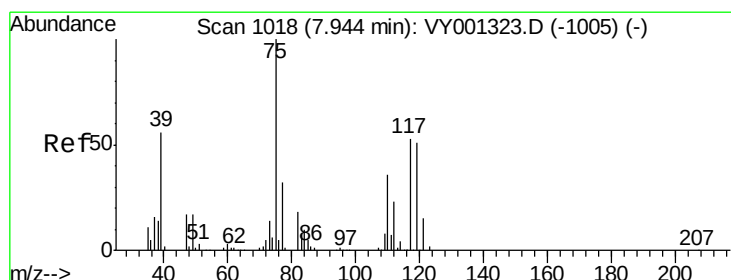
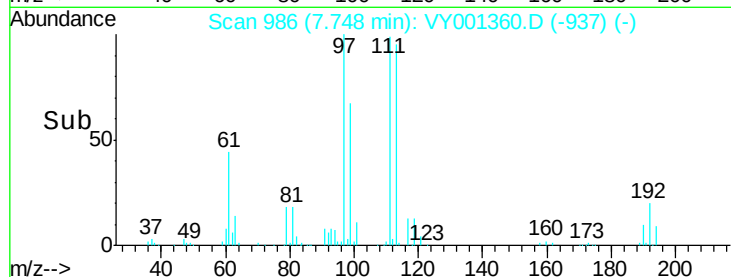
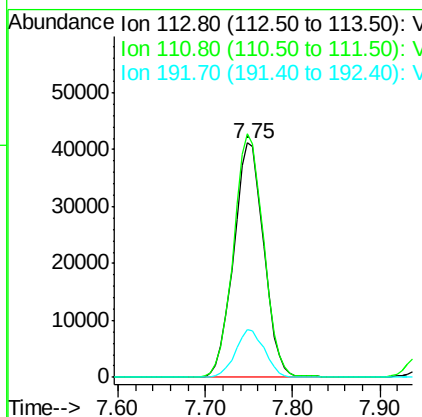
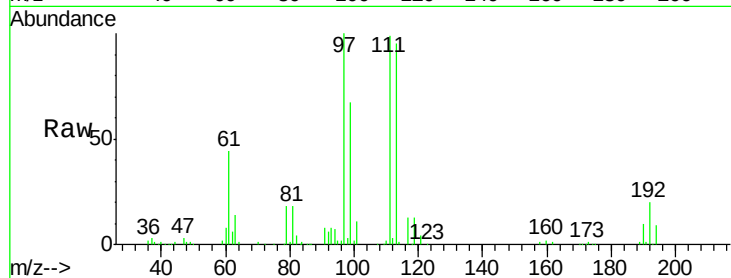
ClientSampleId :

EP-12MSD

Tot Ion:	113	Resp:	98743
Ion	Ratio	Lower	Upper
113	100		
111	103.6	82.8	124.2
192	19.6	15.5	23.3

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 43.725 ug/l

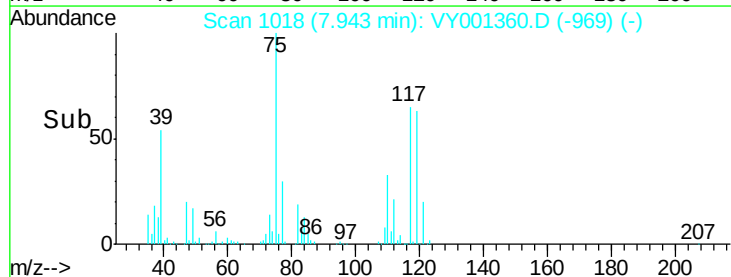
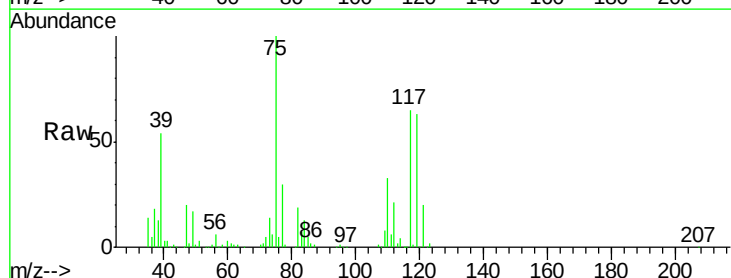
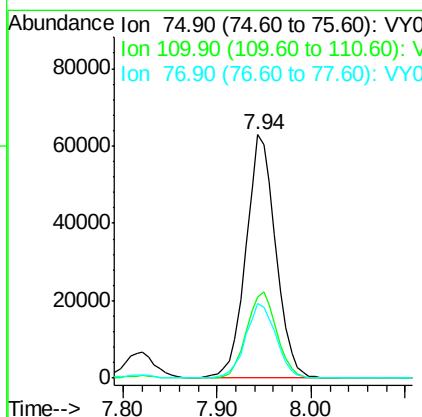
RT: 7.94 min Scan# 1018

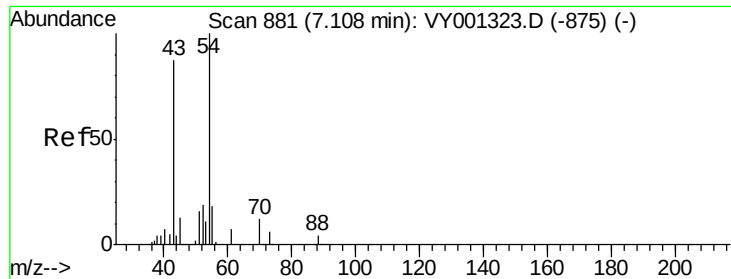
Delta R.T. -0.00 min

Lab File: VY001360.D

Acq: 23 Jan 2020 17:32

Tgt Ion:	75	Resp:	139606
Ion	Ratio	Lower	Upper
75	100		
110	35.6	17.6	52.8
77	31.4	24.7	37.1





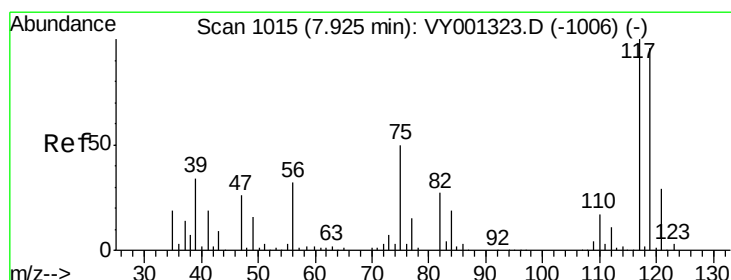
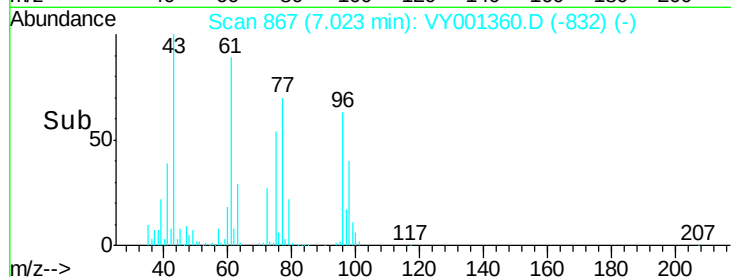
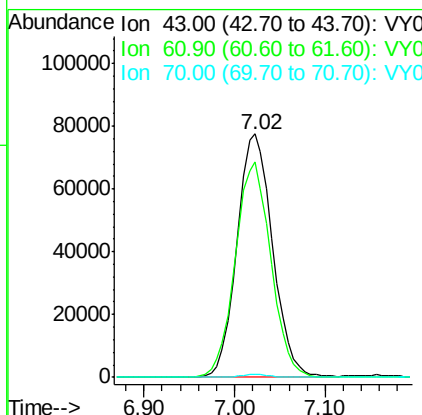
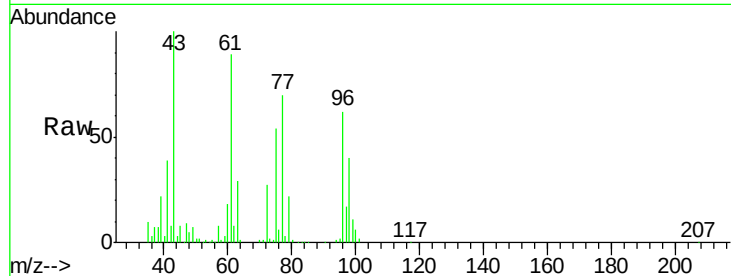
#37
Ethyl Acetate
Concen: 108.639 ug/l
RT: 7.02 min Scan# 867
Delta R.T. -0.09 min
Lab File: VY001360.D
Acq: 23 Jan 2020 17:32

Instrument :
MSVOA_Y
ClientSampled :
EP-12MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	88.7	11.3	16.9#
70	1.1	8.7	13.1#

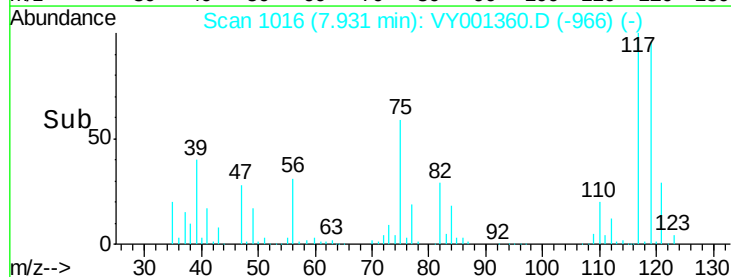
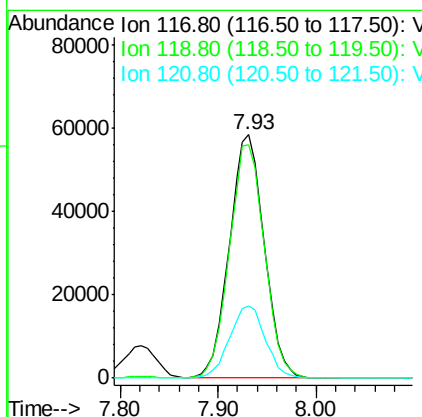
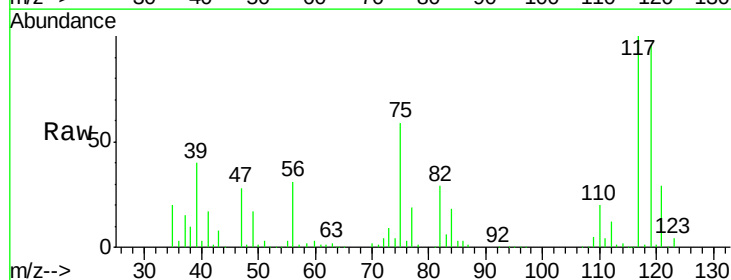
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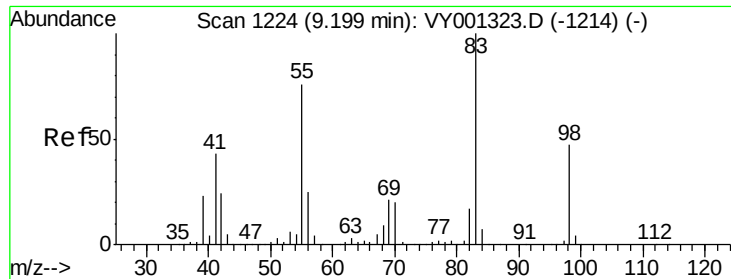
MMDadoda
1/24/2020 4:03:41 PM



#38
Carbon Tetrachloride
Concen: 50.630 ug/l
RT: 7.93 min Scan# 1016
Delta R.T. 0.01 min
Lab File: VY001360.D
Acq: 23 Jan 2020 17:32

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.8	76.3	114.5
121	29.5	23.5	35.3





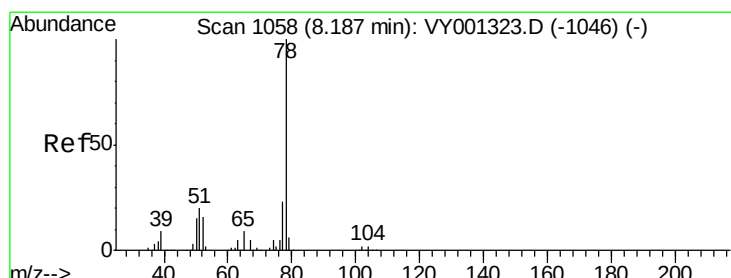
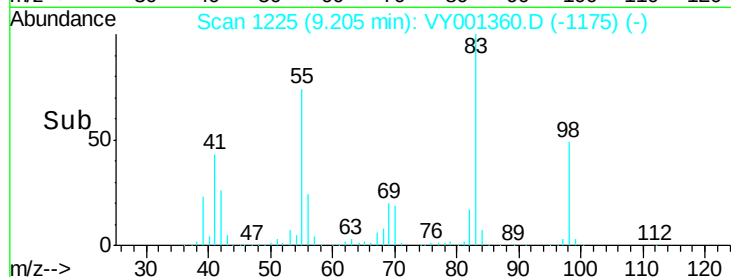
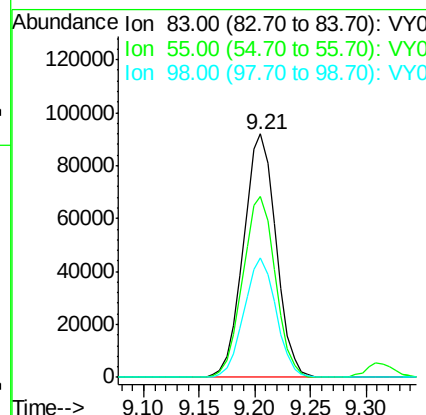
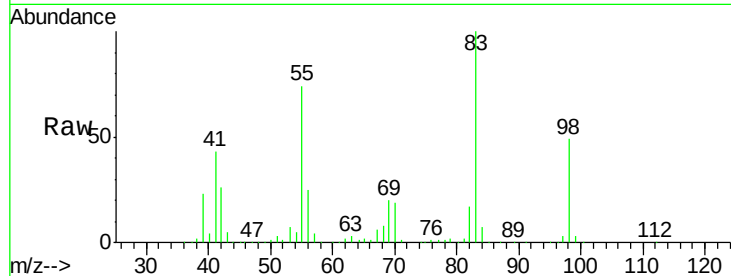
#39
Methylvlcyclohexane
Concen: 45.624 ug/l
RT: 9.21 min Scan# 1225
Delta R.T. 0.01 min
Lab File: VY001360.D
Acq: 23 Jan 2020 17:32

Instrument :
MSVOA_Y
ClientSampleId :
EP-12MSD

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.3	60.7	91.1
98	48.9	37.8	56.8

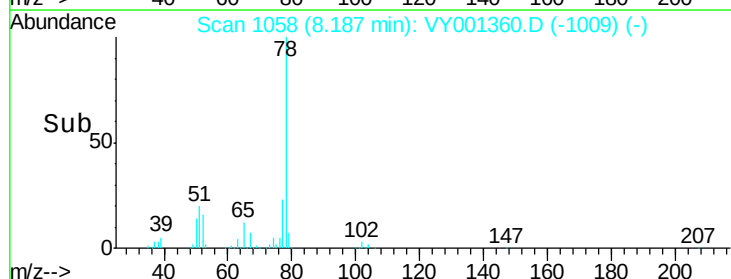
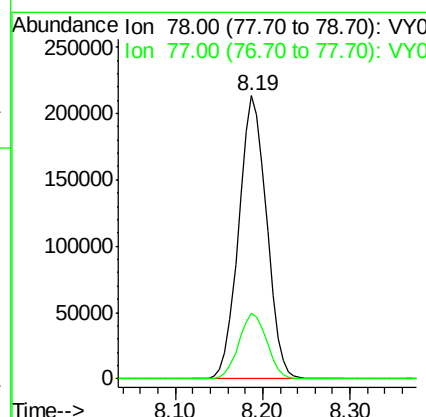
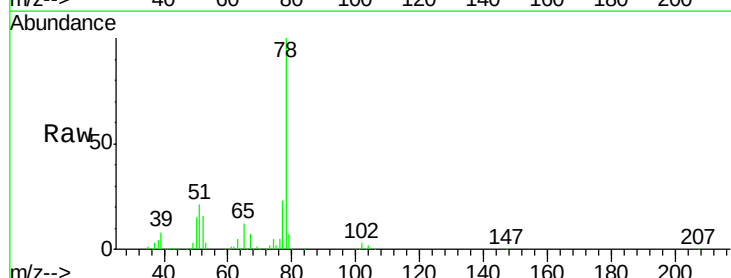
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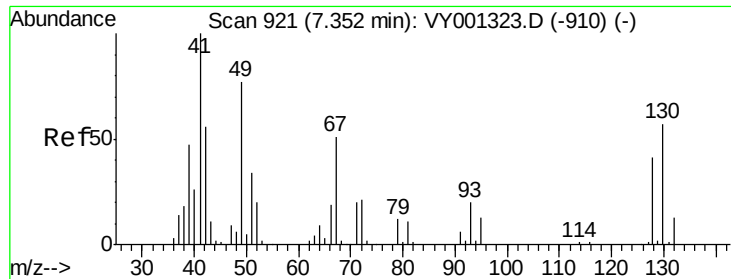
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#40
Benzene
Concen: 49.260 ug/l
RT: 8.19 min Scan# 1058
Delta R.T. -0.00 min
Lab File: VY001360.D
Acq: 23 Jan 2020 17:32

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.6	27.8





#41

Methacrylonitrile

Concen: 39.626 ug/l m

RT: 7.36 min Scan# 923

Delta R.T. 0.01 min

Lab File: VY001360.D

Acq: 23 Jan 2020 17:32

Instrument :

MSVOA_Y

ClientSampleId :

EP-12MSD

Tot Ion: 41 Resp: 39890

Ion Ratio Lower Upper

41 100

39 113.0 0.0 0.0#

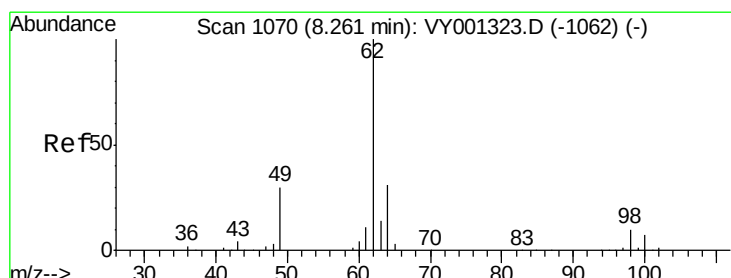
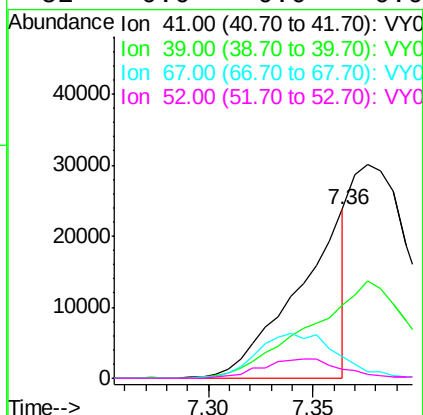
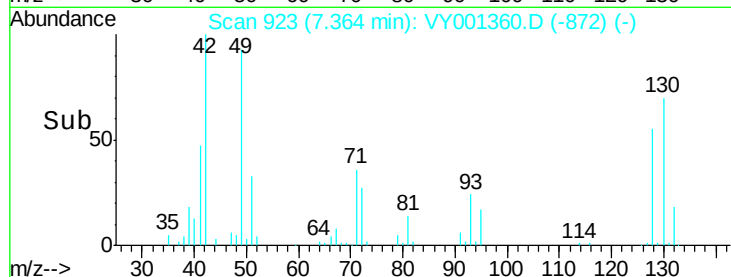
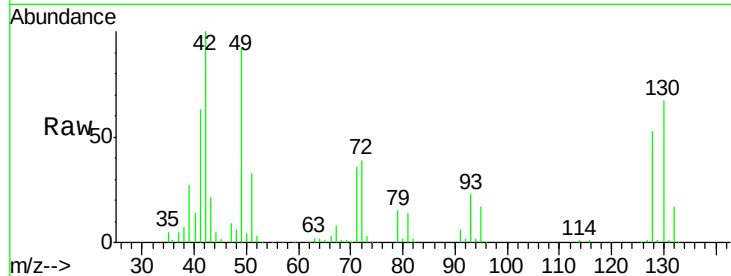
67 0.0 0.0 0.0

52 0.0 0.0 0.0

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 49.736 ug/l

RT: 8.27 min Scan# 1071

Delta R.T. 0.01 min

Lab File: VY001360.D

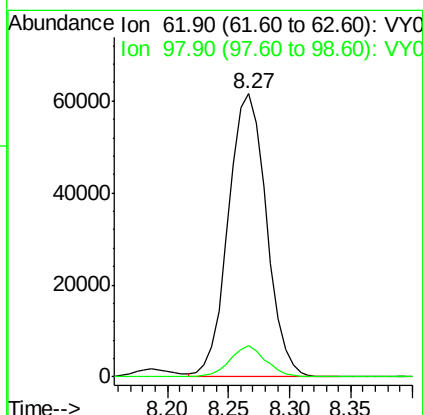
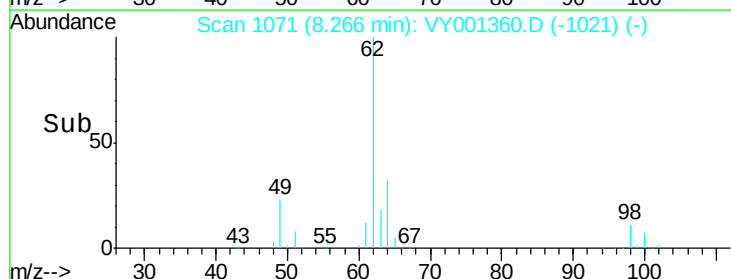
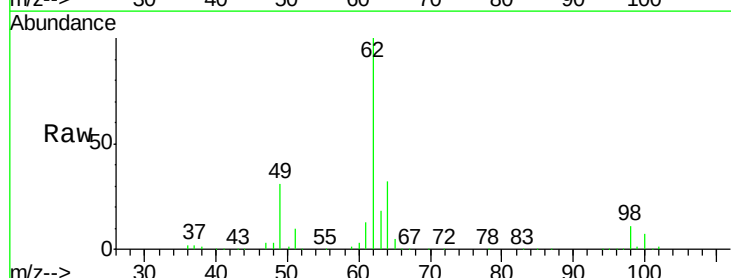
Acq: 23 Jan 2020 17:32

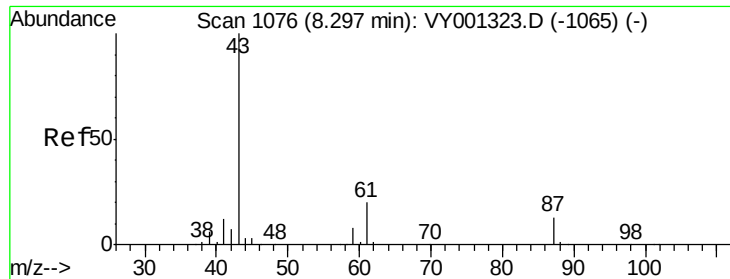
Tgt Ion: 62 Resp: 133045

Ion Ratio Lower Upper

62 100

98 10.3 0.0 20.8





#43

Isopropyl Acetate

Concen: 2.759 ug/l

RT: 8.30 min Scan# 1077

Delta R.T. 0.01 min

Lab File: VY001360.D

Acq: 23 Jan 2020 17:32

Instrument :

MSVOA_Y

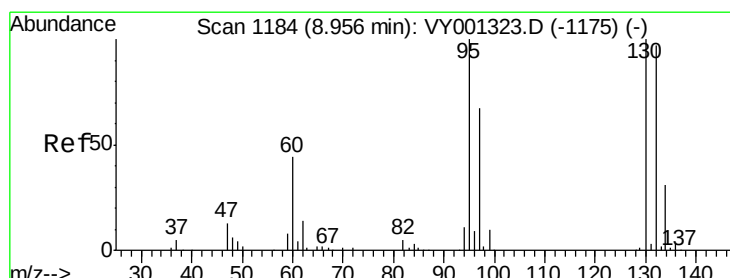
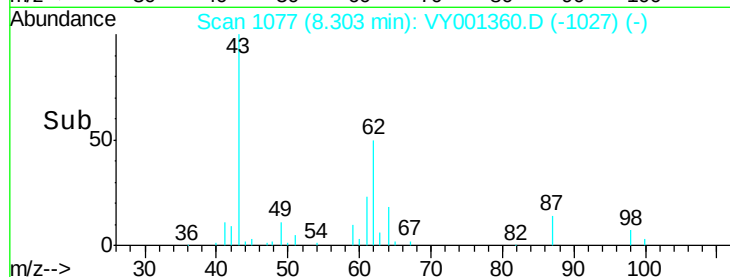
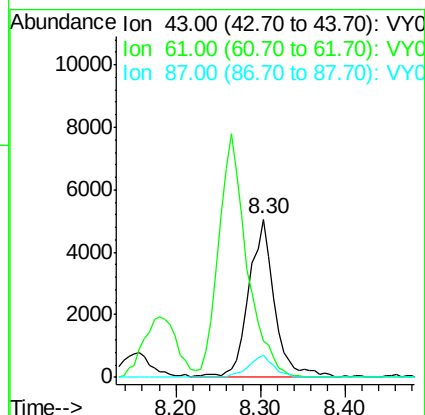
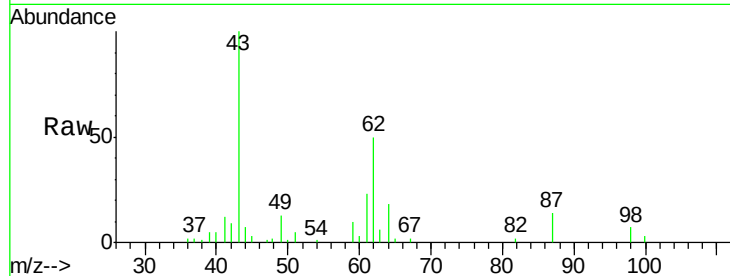
ClientSampled :

EP-12MSD

Tot Ion:	43	Resp:	10464
Ion	Ratio	Lower	Upper
43	100		
61	0.0	22.7	34.1#
87	13.2	11.0	16.4

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#44

Trichloroethene

Concen: 49.192 ug/l

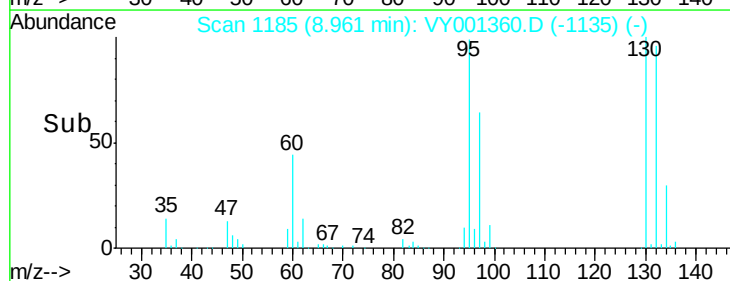
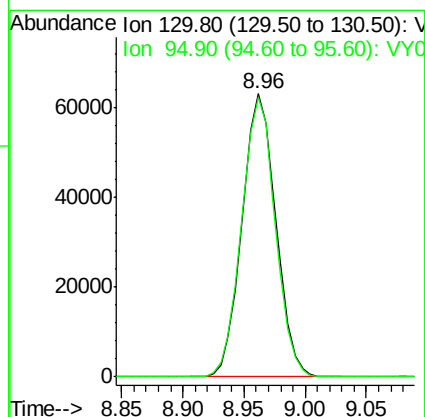
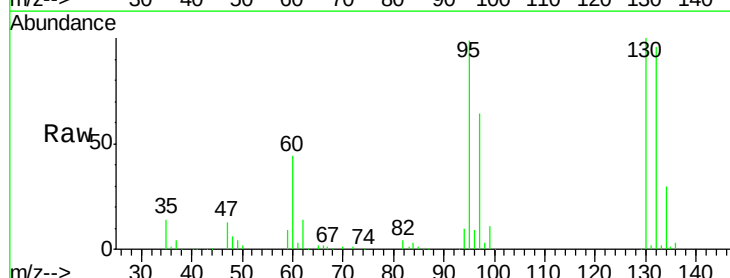
RT: 8.96 min Scan# 1185

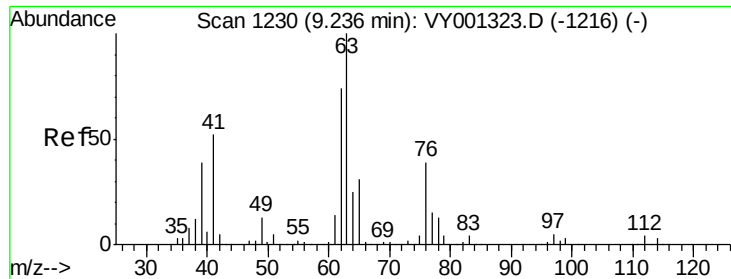
Delta R.T. 0.01 min

Lab File: VY001360.D

Acq: 23 Jan 2020 17:32

Tgt Ion:	130	Resp:	120848
Ion	Ratio	Lower	Upper
130	100		
95	98.6	0.0	200.0





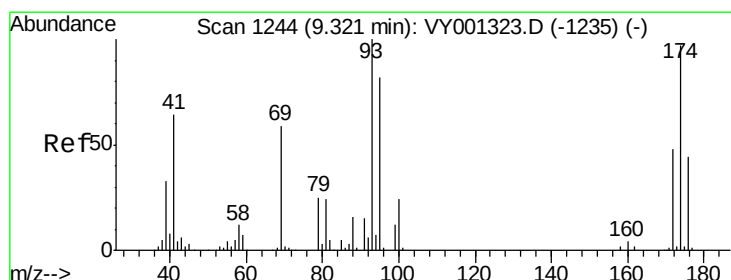
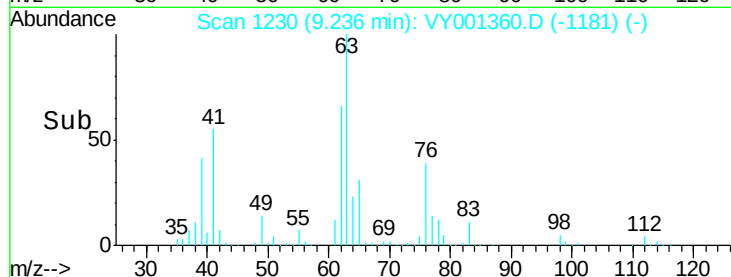
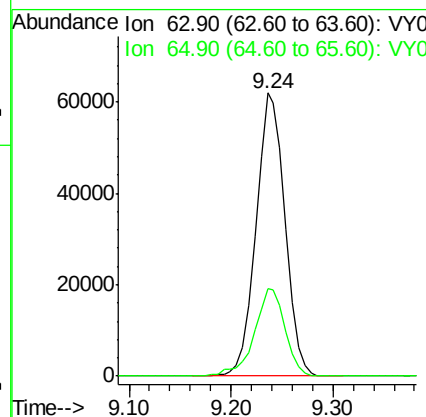
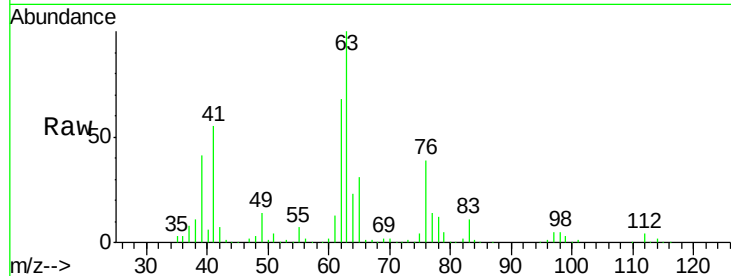
#45
 1,2-Dichloropropane
 Concen: 50.560 ug/l
 RT: 9.24 min Scan# 1230
 Delta R.T. -0.00 min
 Lab File: VY001360.D
 Acq: 23 Jan 2020 17:32

Instrument :
 MSVOA_Y
 ClientSampleId :
 EP-12MSD

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.0	24.9	37.3

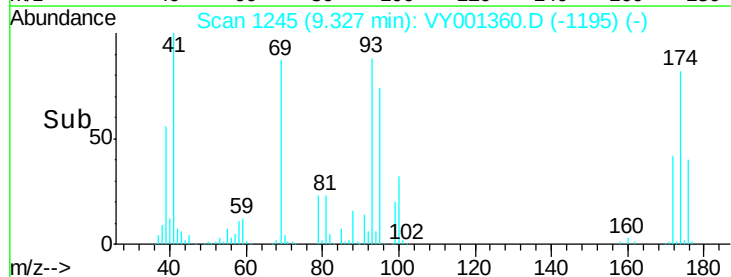
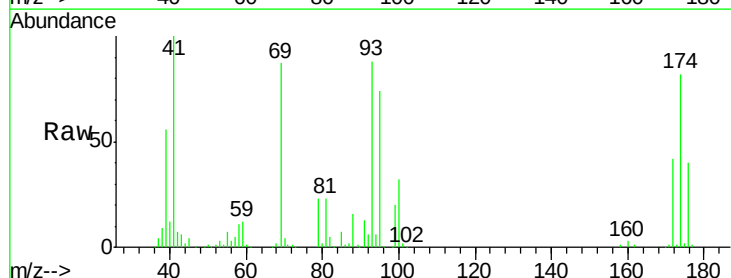
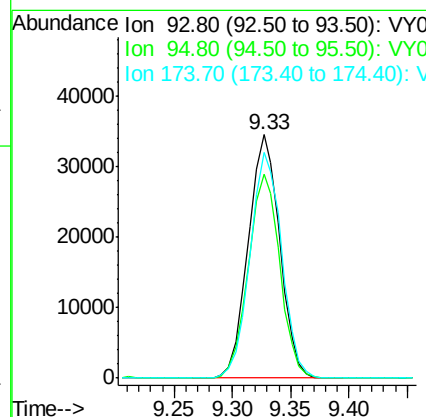
Manual Integrations
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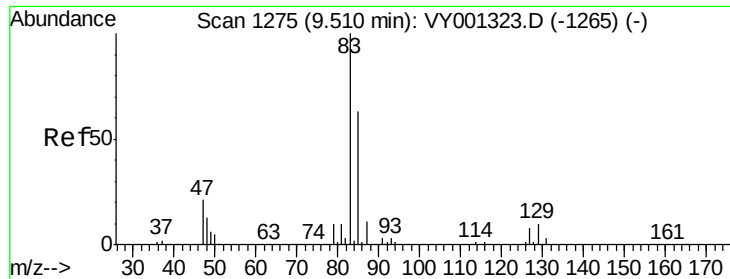
MMDadoda
 1/24/2020 4:03:41 PM



#46
 Dibromomethane
 Concen: 50.292 ug/l
 RT: 9.33 min Scan# 1245
 Delta R.T. 0.01 min
 Lab File: VY001360.D
 Acq: 23 Jan 2020 17:32

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.3	66.5	99.7
174	93.1	77.9	116.9





#47

Bromodichloromethane

Concen: 49.899 ug/l

RT: 9.52 min Scan# 1276

Delta R.T. 0.01 min

Lab File: VY001360.D

Acq: 23 Jan 2020 17:32

Instrument :

MSVOA_Y

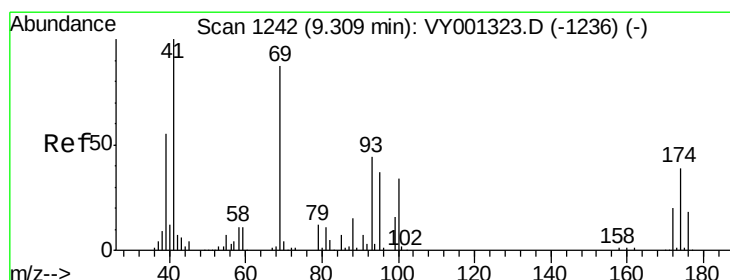
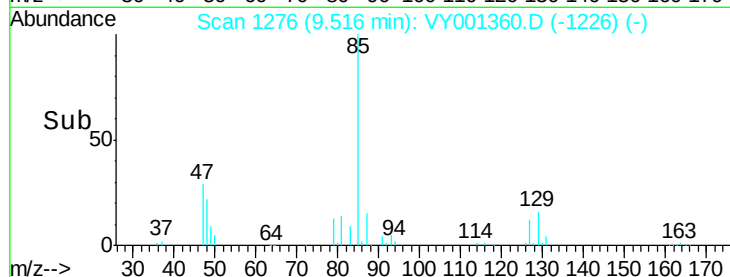
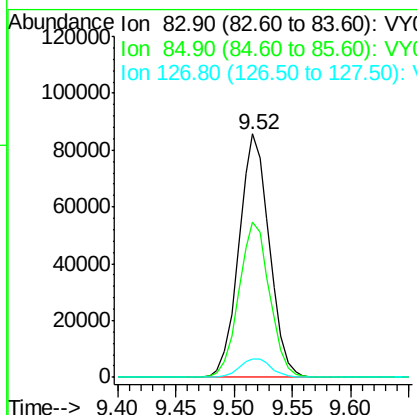
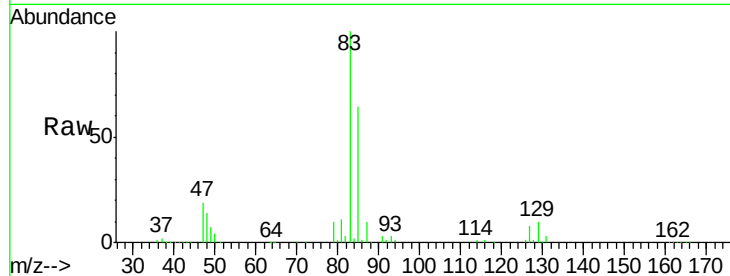
ClientSampleId :

EP-12MSD

Tot Ion:	83	Resp:	154980
Ion Ratio	Lower	Upper	
83	100		
85	63.9	50.2	75.2
127	7.6	6.4	9.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 84.609 ug/l

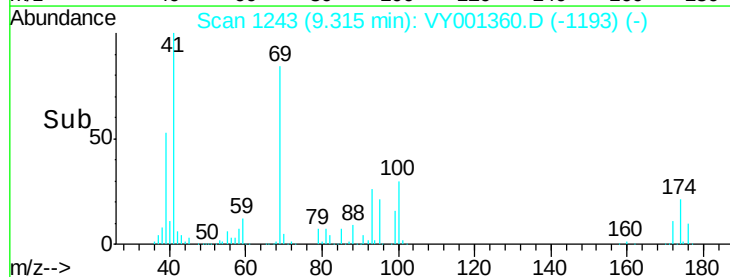
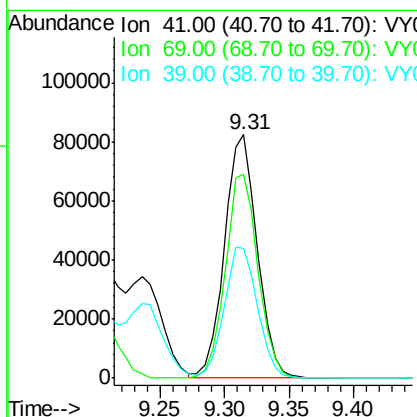
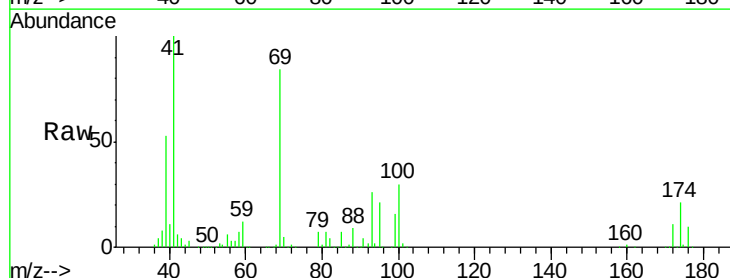
RT: 9.31 min Scan# 1243

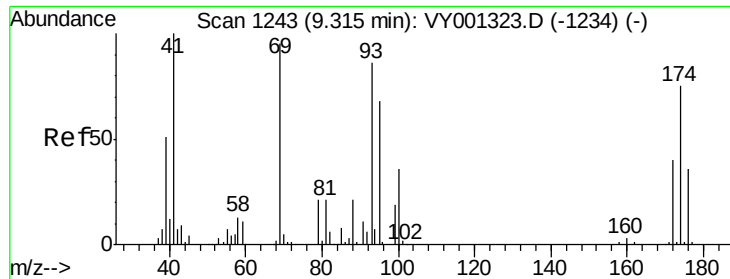
Delta R.T. 0.01 min

Lab File: VY001360.D

Acq: 23 Jan 2020 17:32

Tgt Ion:	41	Resp:	145899
Ion Ratio	Lower	Upper	
41	100		
69	83.7	70.2	105.4
39	54.6	45.7	68.5





#49

1,4-Dioxane

Concen: 943.508 ug/l

RT: 9.31 min Scan# 1243

Delta R.T. -0.00 min

Lab File: VY001360.D

Acq: 23 Jan 2020 17:32

Instrument :

MSVOA_Y

ClientSampleId :

EP-12MSD

Tot Ion: 88 Resp: 17287

Ion Ratio Lower Upper

88 100

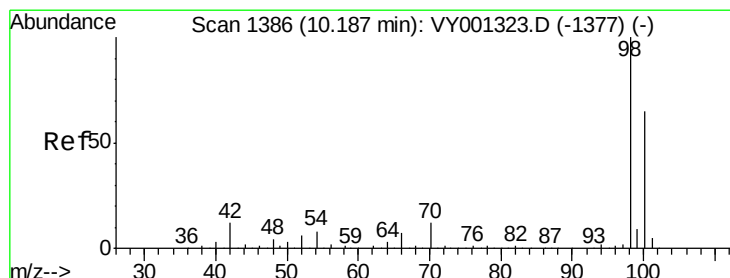
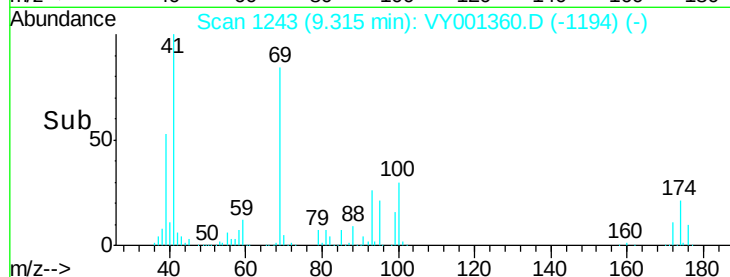
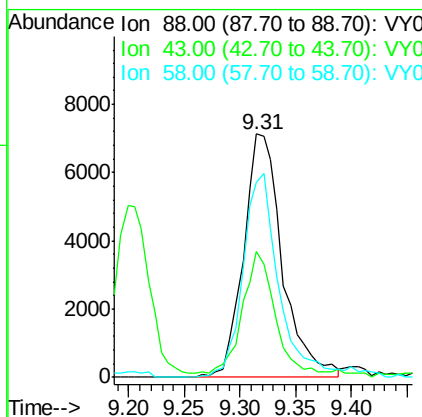
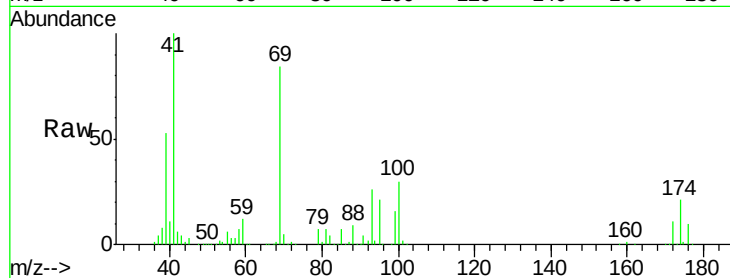
43 45.2 28.2 42.2#

58 77.4 55.6 83.4

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#50

Toluene-d8

Concen: 50.129 ug/l

RT: 10.20 min Scan# 1388

Delta R.T. 0.01 min

Lab File: VY001360.D

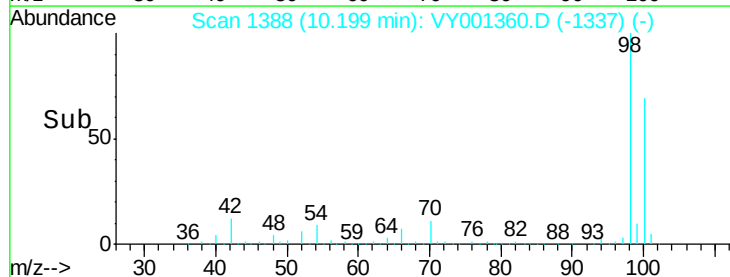
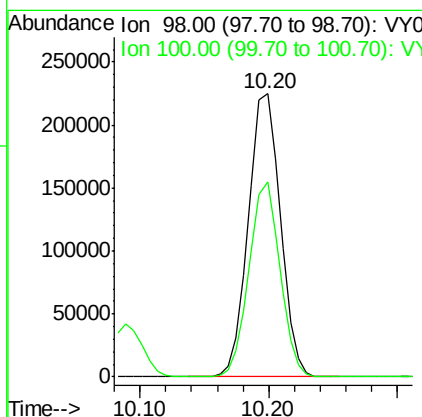
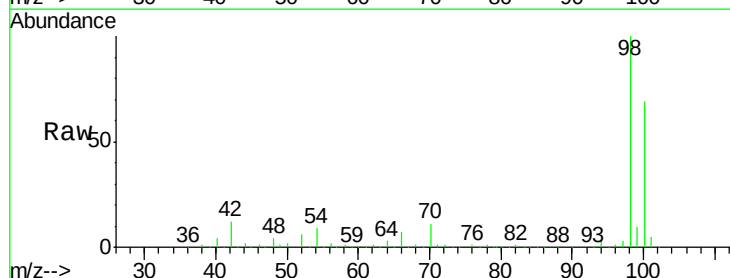
Acq: 23 Jan 2020 17:32

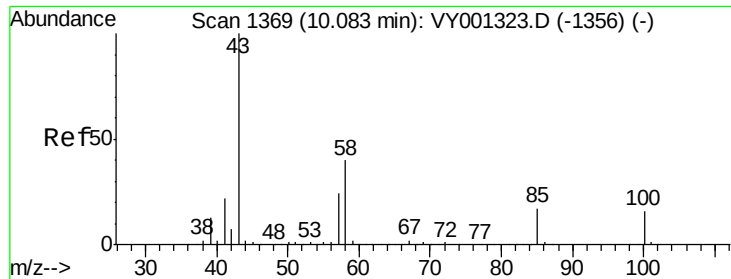
Tgt Ion: 98 Resp: 386309

Ion Ratio Lower Upper

98 100

100 66.6 52.6 79.0





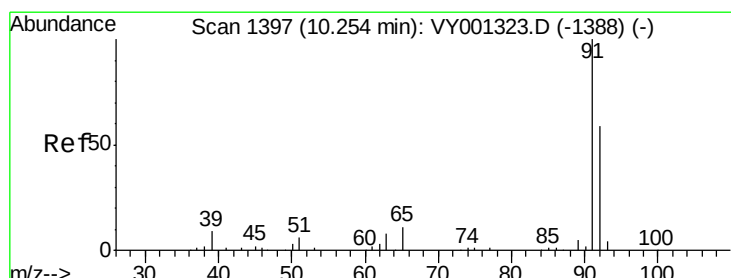
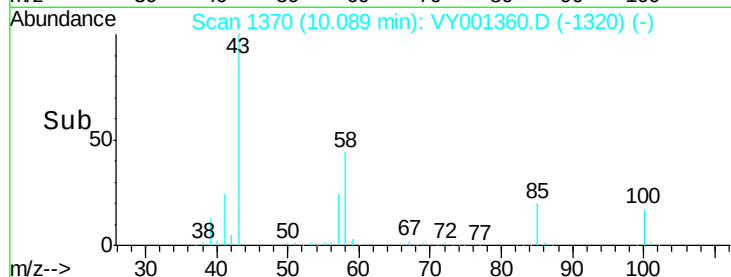
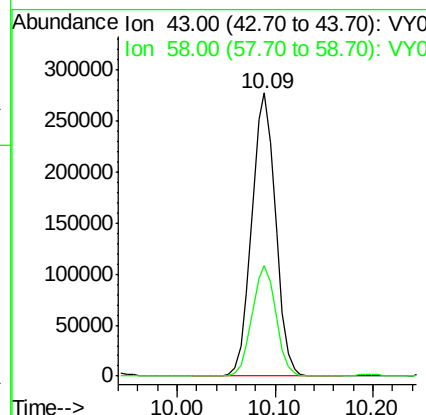
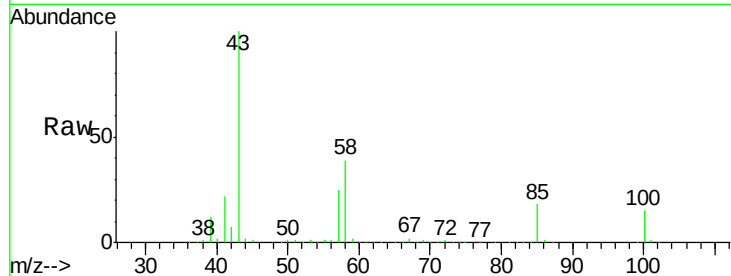
#51
4-Methyl-2-Pentanone
Concen: 238.839 ug/l
RT: 10.09 min Scan# 1370
Delta R.T. 0.01 min
Lab File: VY001360.D
Acq: 23 Jan 2020 17:32

Instrument :
MSVOA_Y
ClientSampleId :
EP-12MSD

Tot Ion	43	58	Resp	Lower	Upper
43	100				
58	39.3		31.5	47.3	

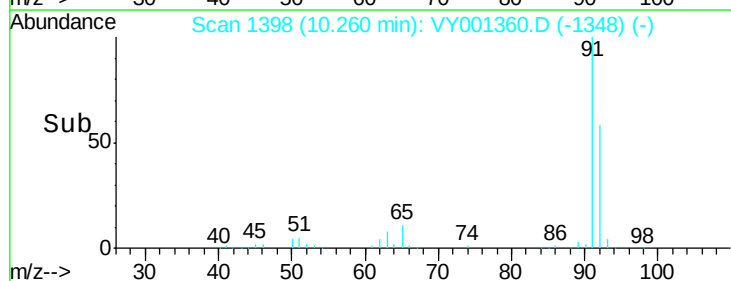
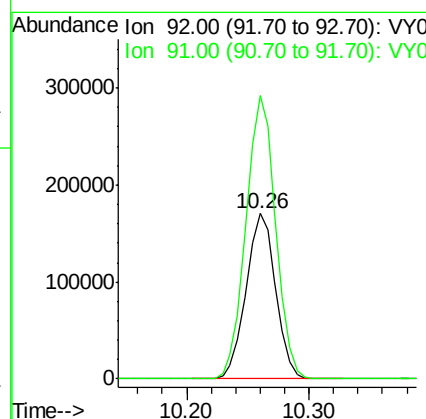
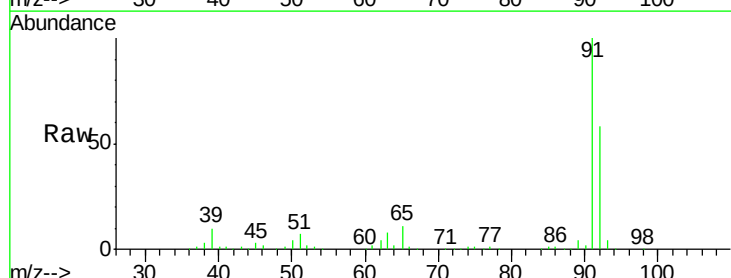
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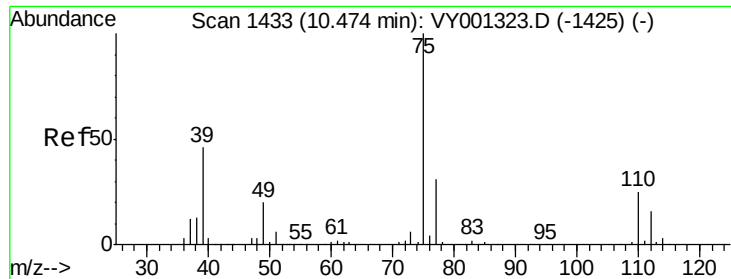
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#52
Toluene
Concen: 47.098 ug/l
RT: 10.26 min Scan# 1398
Delta R.T. 0.01 min
Lab File: VY001360.D
Acq: 23 Jan 2020 17:32

Tgt Ion	92	91	Resp	Lower	Upper
92	100				
91	171.7		136.4	204.6	





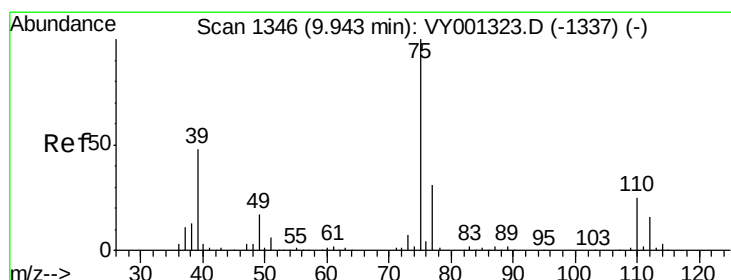
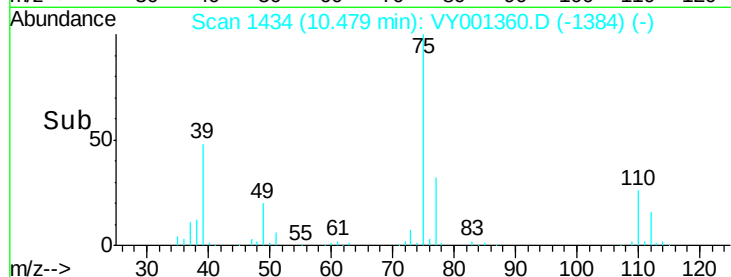
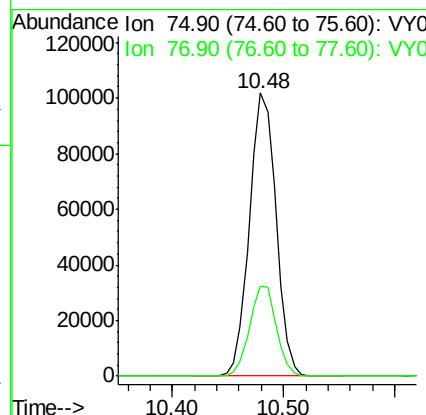
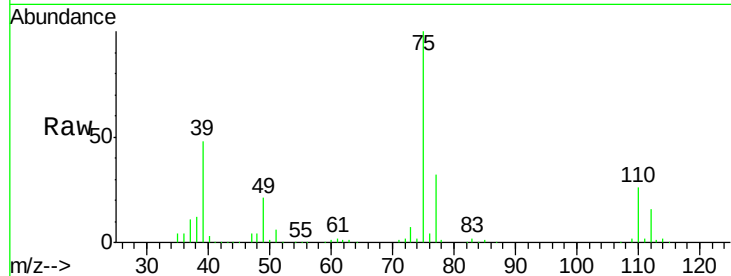
#53
 t-1,3-Dichloropropene
 Concen: 49.334 ug/l
 RT: 10.48 min Scan# 1434
 Delta R.T. 0.01 min
 Lab File: VY001360.D
 Acq: 23 Jan 2020 17:32

Instrument :
 MSVOA_Y
 ClientSampleId :
 EP-12MSD

Tot Ion: 75 Resp: 169836
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.2 37.8

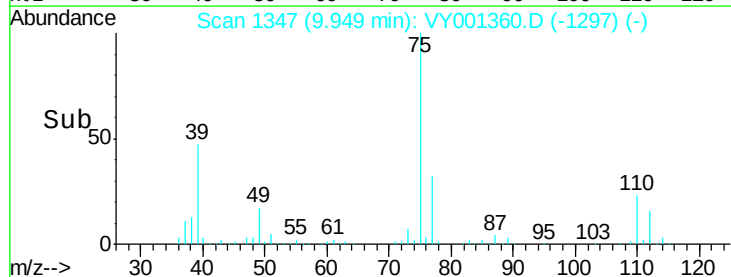
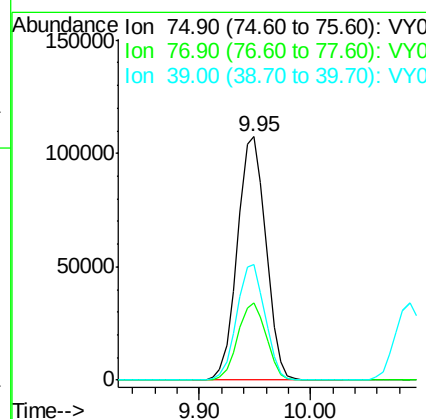
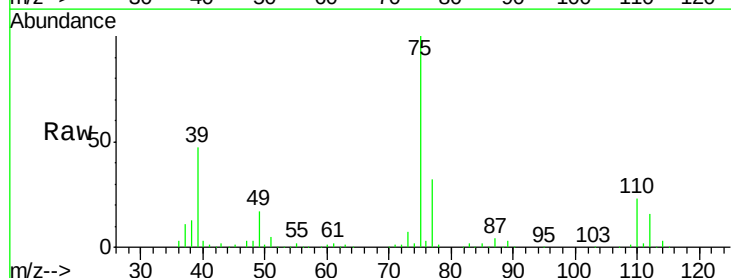
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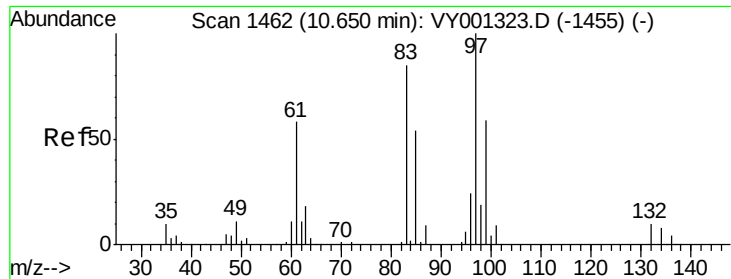
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#54
 cis-1,3-Dichloropropene
 Concen: 48.195 ug/l
 RT: 9.95 min Scan# 1347
 Delta R.T. 0.01 min
 Lab File: VY001360.D
 Acq: 23 Jan 2020 17:32

Tgt Ion: 75 Resp: 190437
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.0 37.6
 39 47.3 38.2 57.4





#55

1,1,2-Trichloroethane

Concen: 50.340 ug/l

RT: 10.66 min Scan# 1464

Delta R.T. 0.01 min

Lab File: VY001360.D

Acq: 23 Jan 2020 17:32

Instrument :

MSVOA_Y

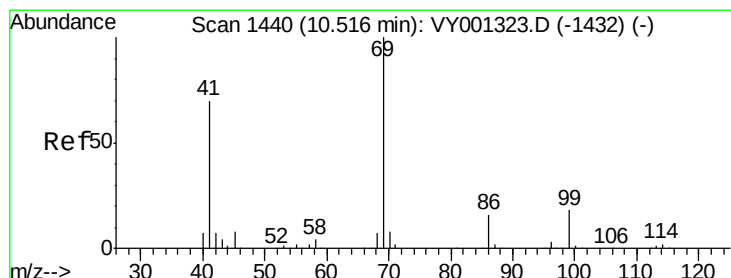
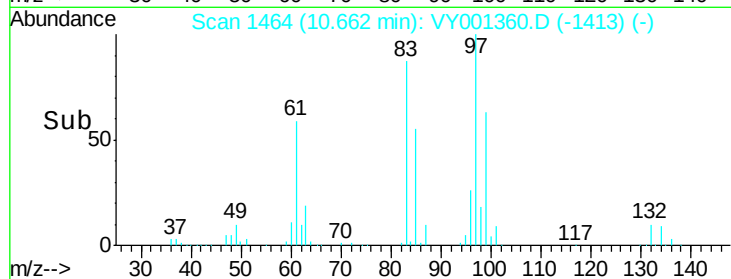
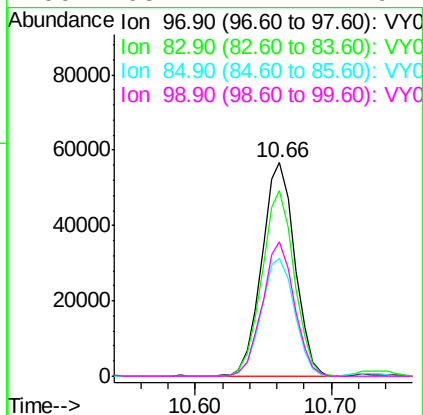
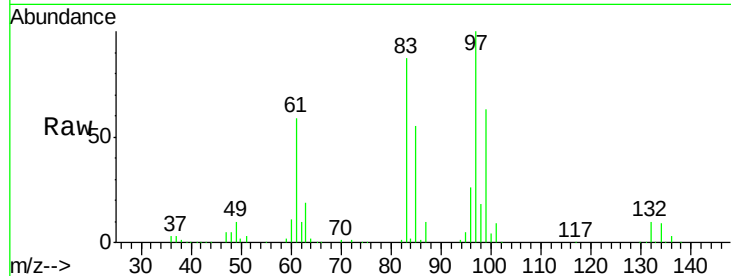
ClientSampleId :

EP-12MSD

Tot Ion:	97	Resp:	96535
Ion	Ratio	Lower	Upper
97	100		
83	86.8	68.0	102.0
85	55.0	43.6	65.4
99	63.1	47.1	70.7

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#56

Ethyl methacrylate

Concen: 2.201 ug/l

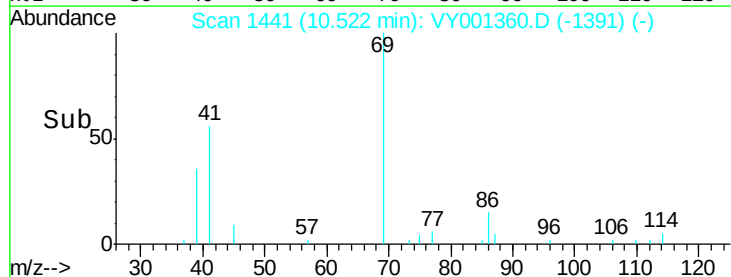
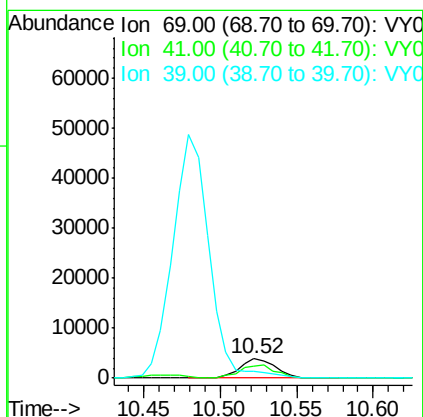
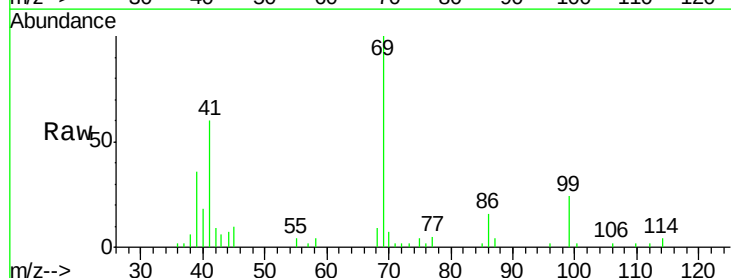
RT: 10.52 min Scan# 1441

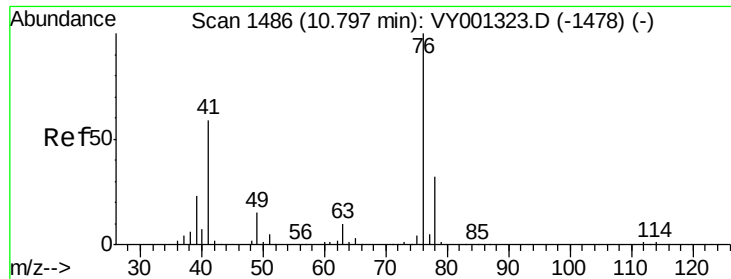
Delta R.T. 0.01 min

Lab File: VY001360.D

Acq: 23 Jan 2020 17:32

Tgt Ion:	69	Resp:	6380
Ion	Ratio	Lower	Upper
69	100		
41	60.6	54.1	81.1
39	0.0	26.8	40.2#





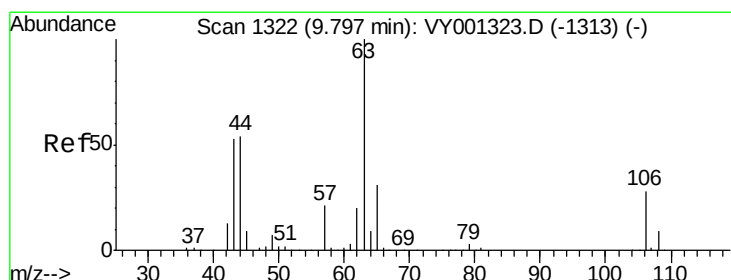
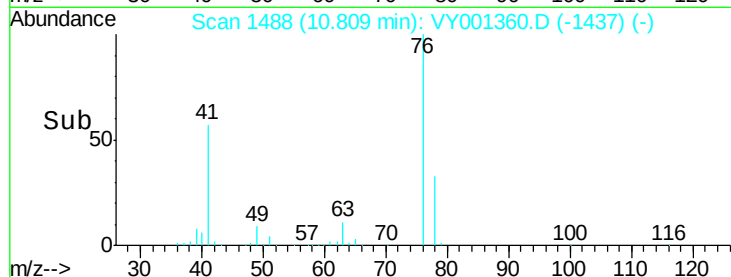
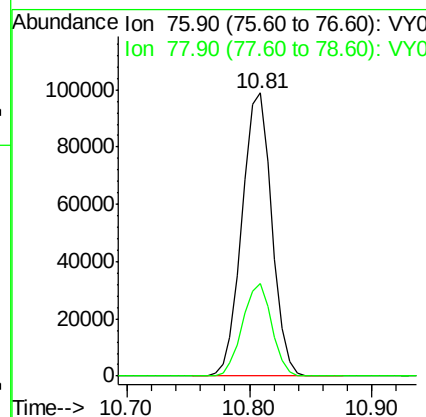
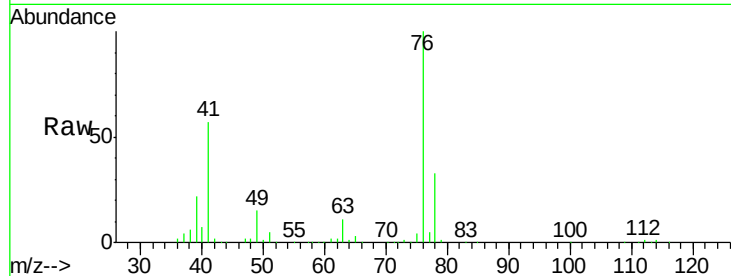
#57
 1,3-Dichloropropane
 Concen: 49.880 ug/l
 RT: 10.81 min Scan# 1488
 Delta R.T. 0.01 min
 Lab File: VY001360.D
 Acq: 23 Jan 2020 17:32

Instrument :
 MSVOA_Y
 ClientSampled :
 EP-12MSD

Tot Ion: 76 Resp: 166629
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.8 38.8

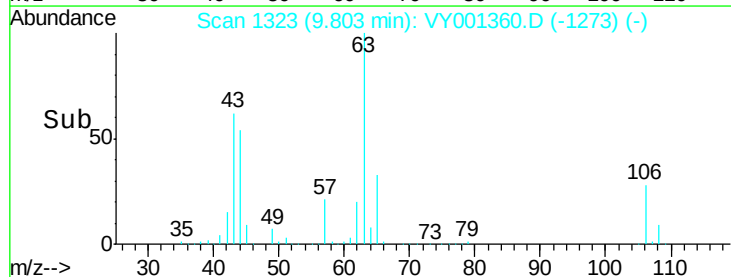
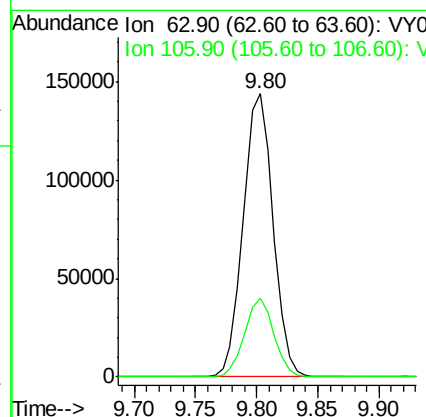
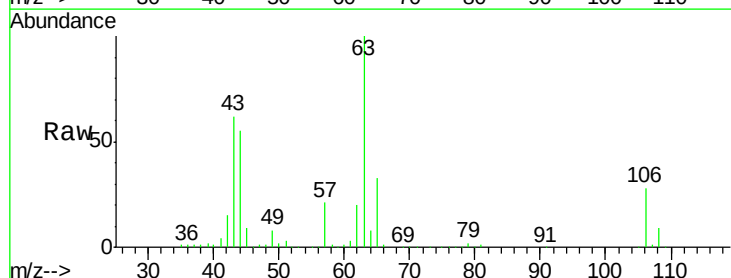
Manual Integrations
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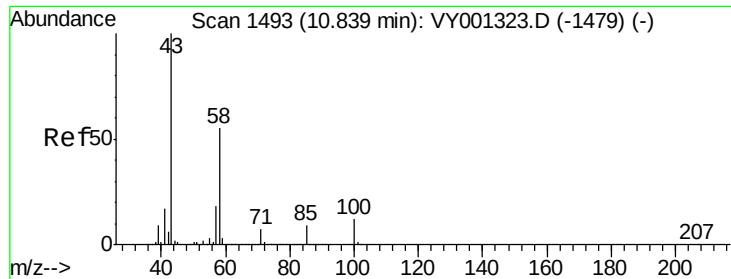
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#58
 2-Chloroethyl Vinyl ether
 Concen: 242.395 ug/l
 RT: 9.80 min Scan# 1323
 Delta R.T. 0.01 min
 Lab File: VY001360.D
 Acq: 23 Jan 2020 17:32

Tgt Ion: 63 Resp: 243112
 Ion Ratio Lower Upper
 63 100
 106 27.3 22.5 33.7





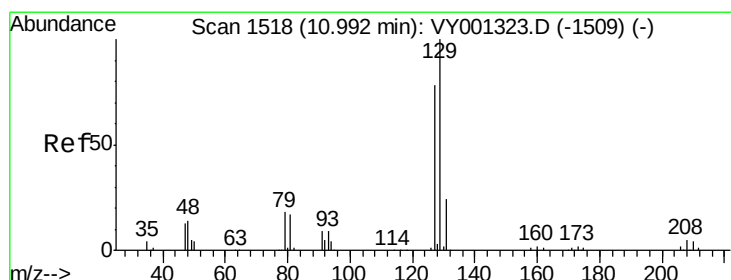
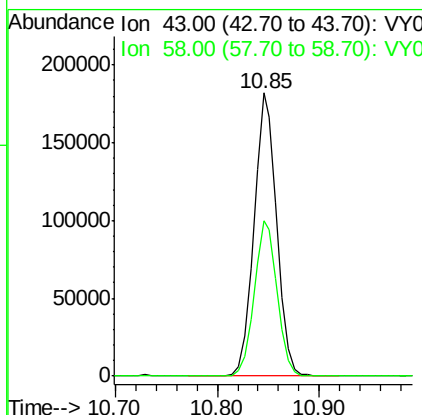
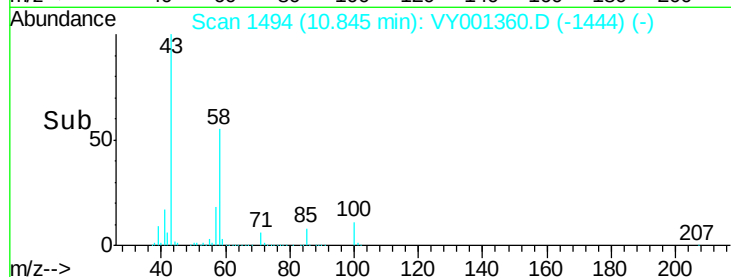
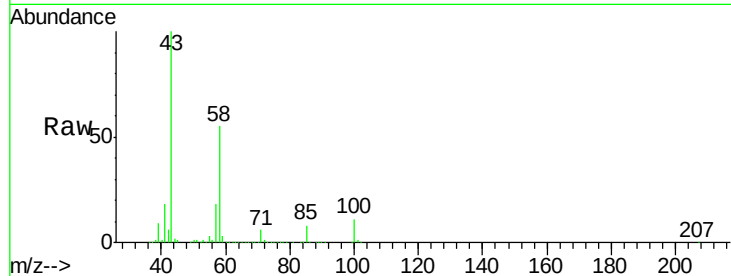
#59
2-Hexanone
Concen: 207.757 ug/l
RT: 10.85 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VY001360.D
Acq: 23 Jan 2020 17:32

Instrument :
MSVOA_Y
ClientSampleId :
EP-12MSD

Tot Ion: 43 Resp: 282534
Ion Ratio Lower Upper
43 100
58 55.3 27.6 82.8

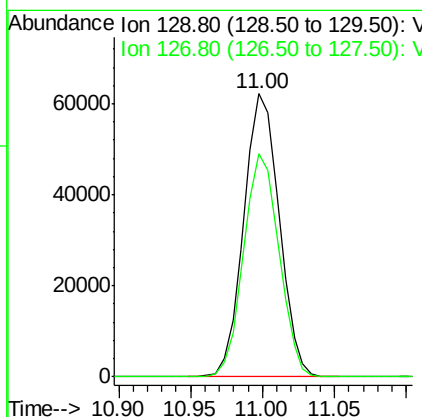
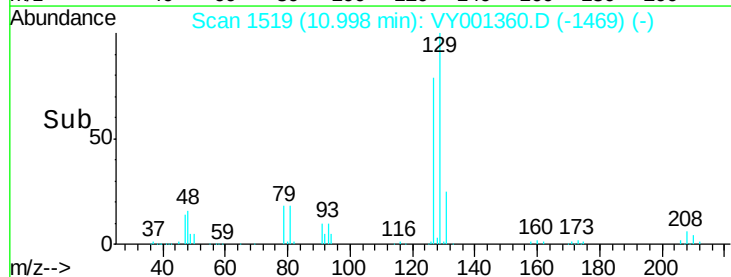
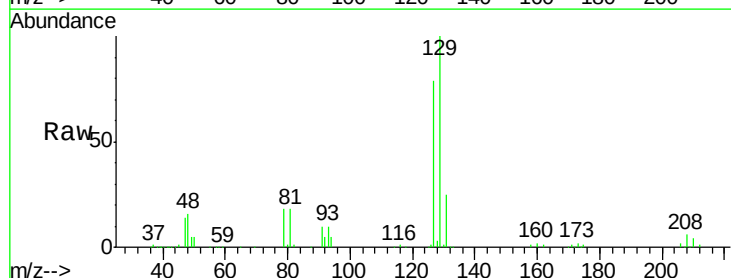
Manual Integrations
APPROVED

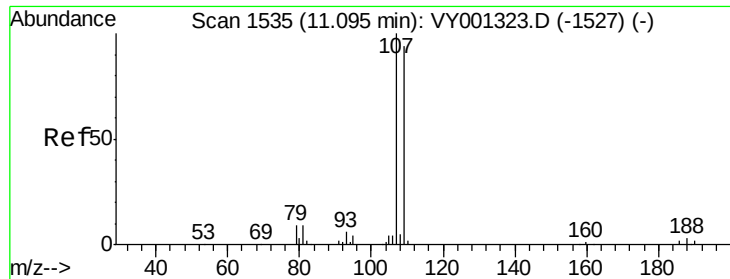
MMDadoda
1/24/2020 4:03:41 PM



#60
Dibromochloromethane
Concen: 49.506 ug/l
RT: 11.00 min Scan# 1519
Delta R.T. 0.01 min
Lab File: VY001360.D
Acq: 23 Jan 2020 17:32

Tgt Ion: 129 Resp: 106181
Ion Ratio Lower Upper
129 100
127 78.5 38.8 116.4





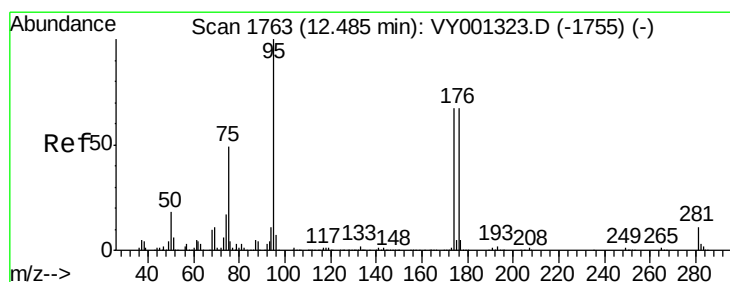
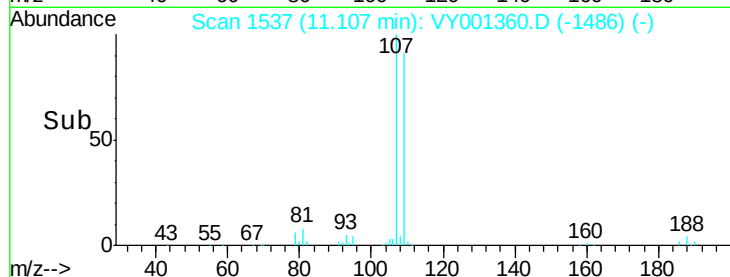
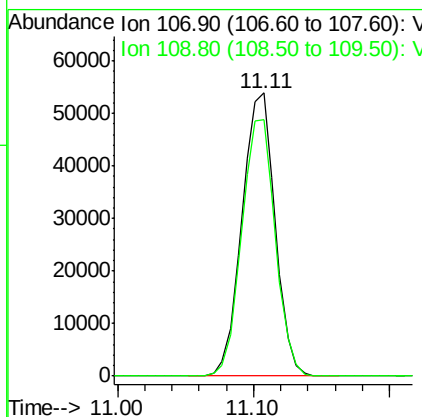
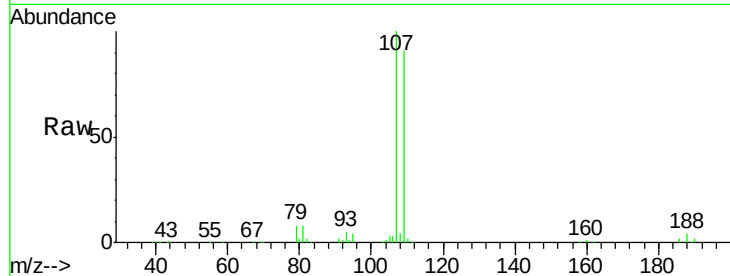
#61
 1,2-Dibromoethane
 Concen: 50.455 ug/l
 RT: 11.11 min Scan# 1537
 Delta R.T. 0.01 min
 Lab File: VY001360.D
 Acq: 23 Jan 2020 17:32

Instrument :
 MSVOA_Y
 ClientSampleId :
 EP-12MSD

Tot Ion: 107 Resp: 91469
 Ion Ratio Lower Upper
 107 100
 109 92.2 75.0 112.6

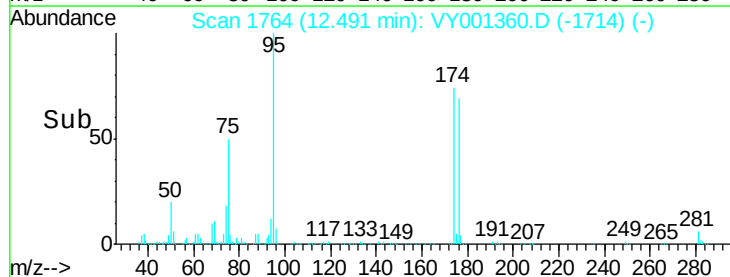
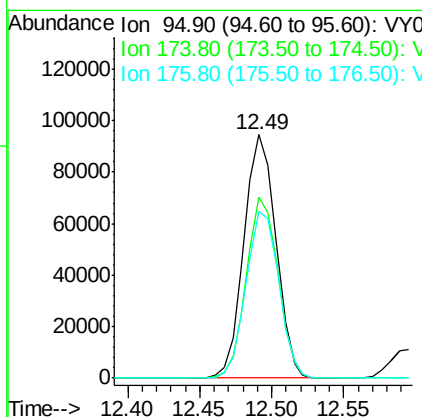
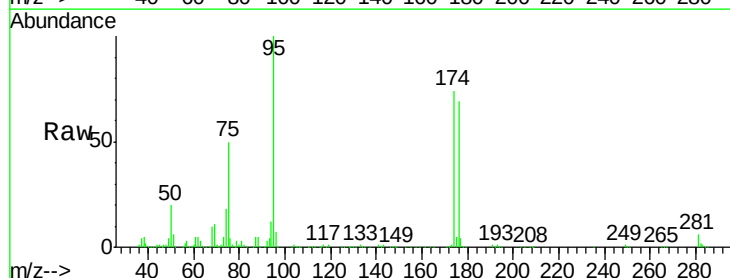
Manual Integrations
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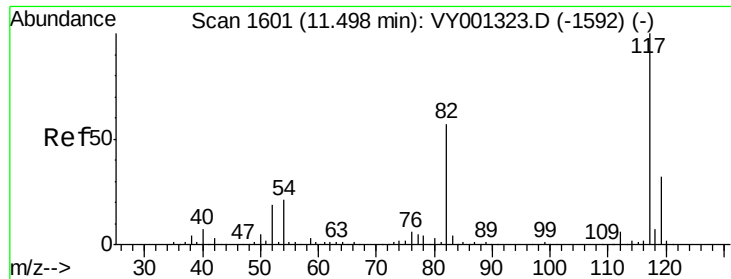
MMDadoda
 1/24/2020 4:03:41 PM



#62
 4-Bromofluorobenzene
 Concen: 47.276 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. 0.01 min
 Lab File: VY001360.D
 Acq: 23 Jan 2020 17:32

Tgt Ion: 95 Resp: 145086
 Ion Ratio Lower Upper
 95 100
 174 73.9 0.0 142.0
 176 70.2 0.0 138.6





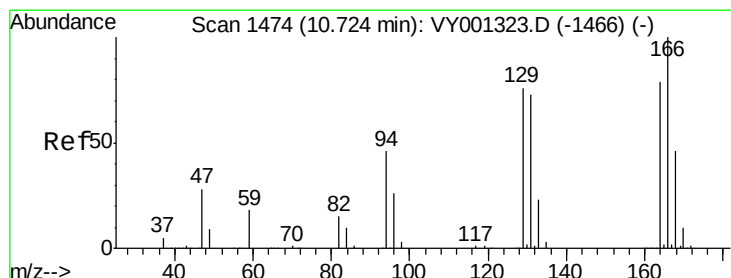
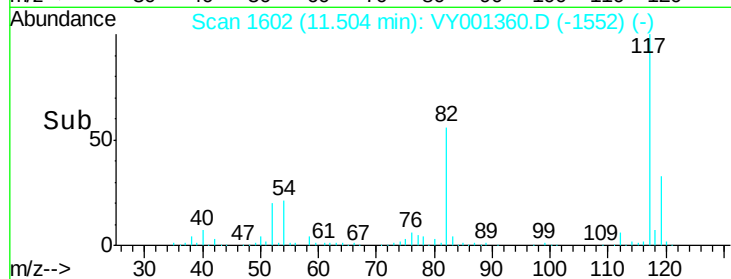
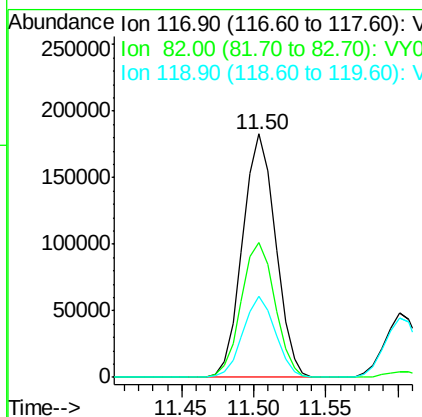
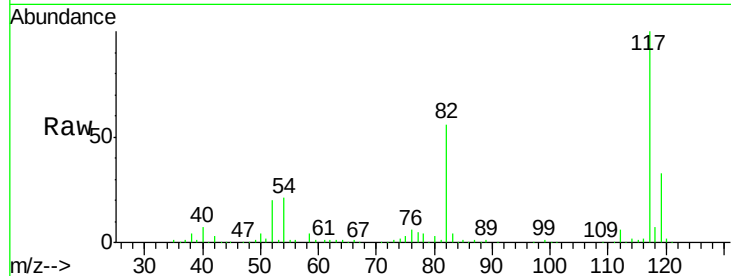
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.01 min
Lab File: VY001360.D
Acq: 23 Jan 2020 17:32

Instrument :
MSVOA_Y
ClientSampleId :
EP-12MSD

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.6	45.5	68.3
119	33.3	25.8	38.6

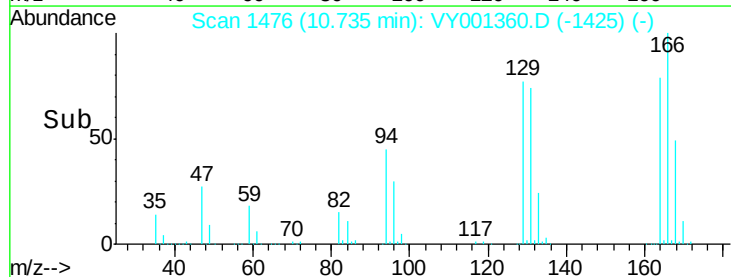
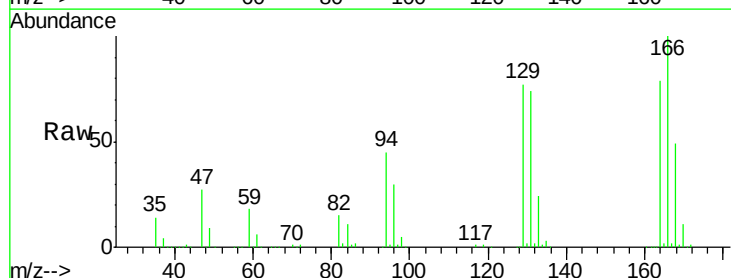
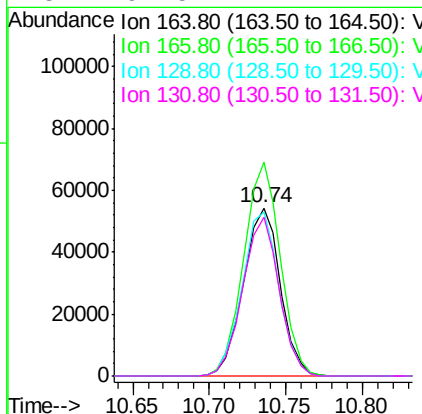
Manual Integrations
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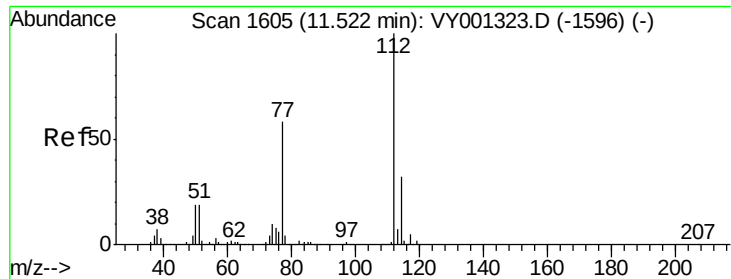
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#64
Tetrachloroethene
Concen: 48.886 ug/l
RT: 10.74 min Scan# 1476
Delta R.T. 0.01 min
Lab File: VY001360.D
Acq: 23 Jan 2020 17:32

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.4	101.8	152.8
129	97.7	77.1	115.7
131	94.5	74.2	111.2





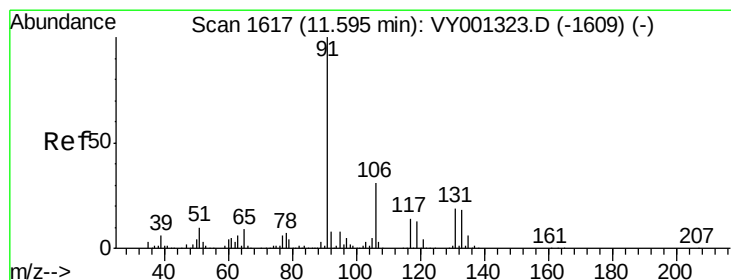
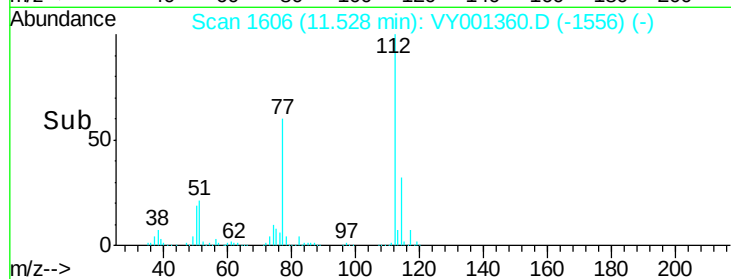
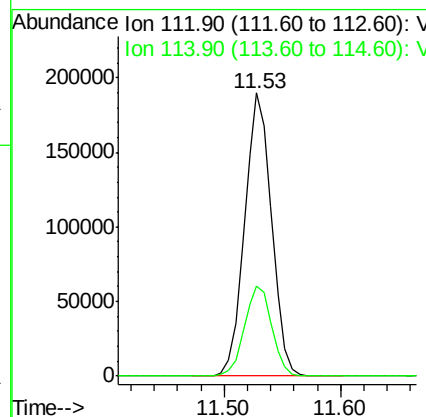
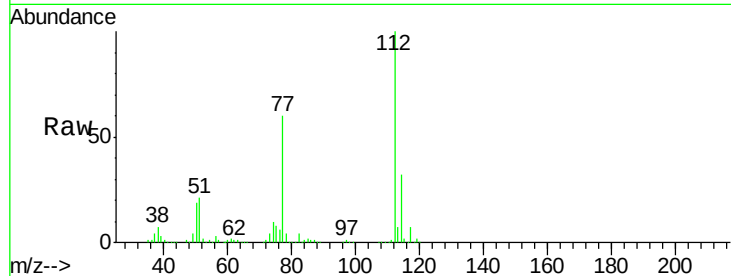
#65
Chlorobenzene
Concen: 49.722 ug/l
RT: 11.53 min Scan# 1606
Delta R.T. 0.01 min
Lab File: VY001360.D
Acq: 23 Jan 2020 17:32

Instrument :
MSVOA_Y
ClientSampleId :
EP-12MSD

Tot Ion:112 Resp: 304924
Ion Ratio Lower Upper
112 100
114 32.0 25.8 38.6

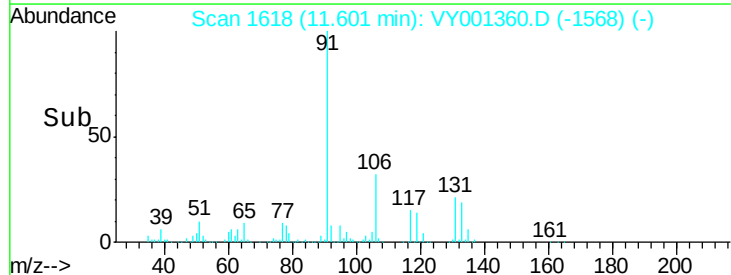
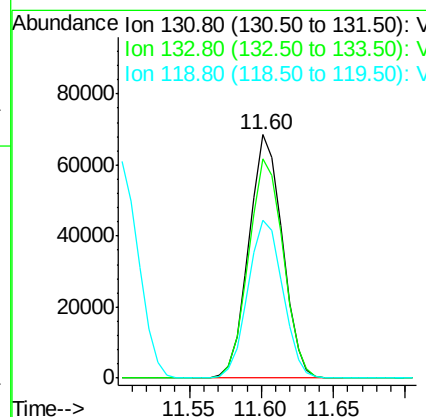
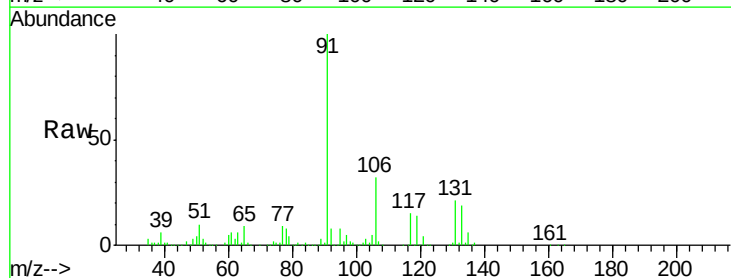
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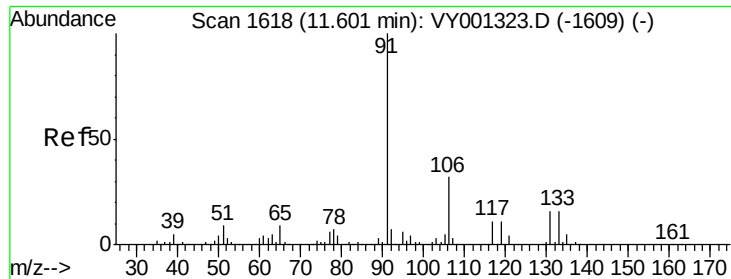
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#66
1,1,1,2-Tetrachloroethane
Concen: 52.720 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. 0.01 min
Lab File: VY001360.D
Acq: 23 Jan 2020 17:32

Tgt Ion:131 Resp: 110334
Ion Ratio Lower Upper
131 100
133 92.8 47.1 141.3
119 67.1 34.1 102.2





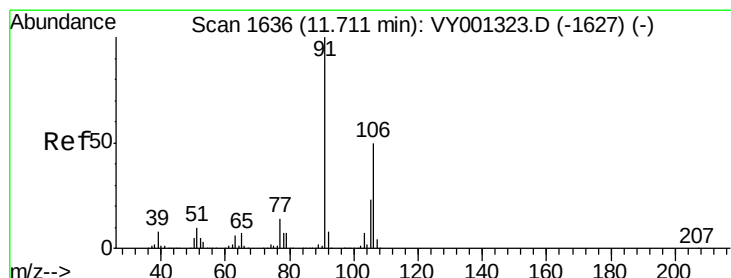
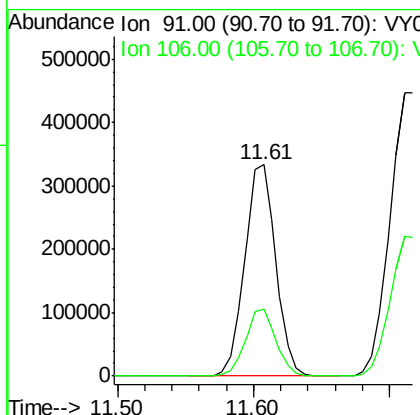
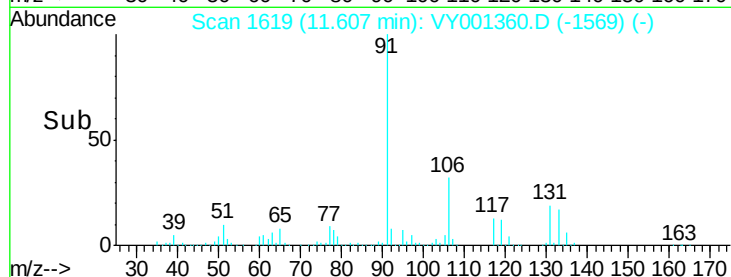
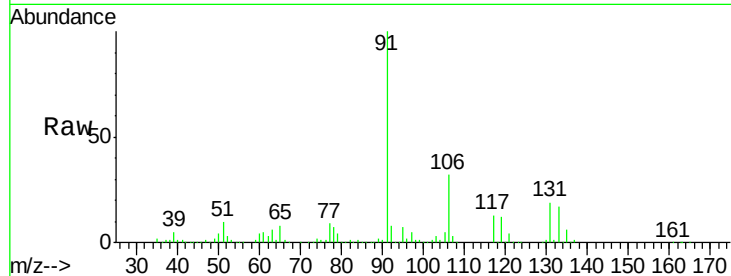
#67
Ethyl Benzene
Concen: 47.055 ug/l
RT: 11.61 min Scan# 1619
Delta R.T. 0.01 min
Lab File: VY001360.D
Acq: 23 Jan 2020 17:32

Instrument :
MSVOA_Y
ClientSampleId :
EP-12MSD

Tot Ion: 91 Resp: 531789
Ion Ratio Lower Upper
91 100
106 31.6 25.4 38.0

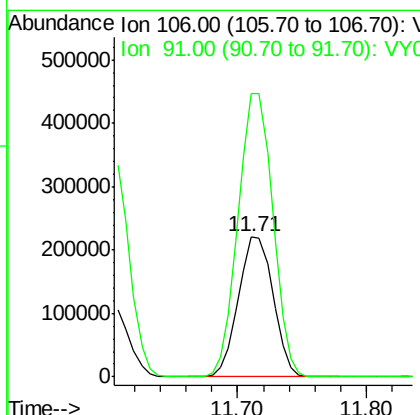
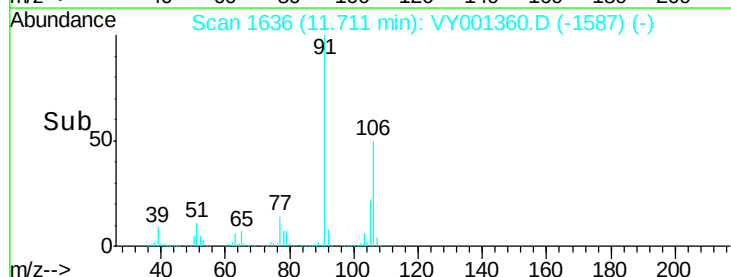
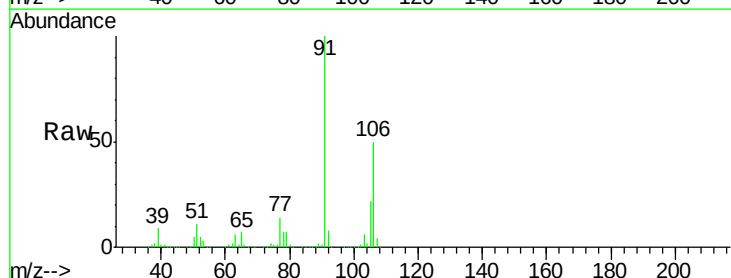
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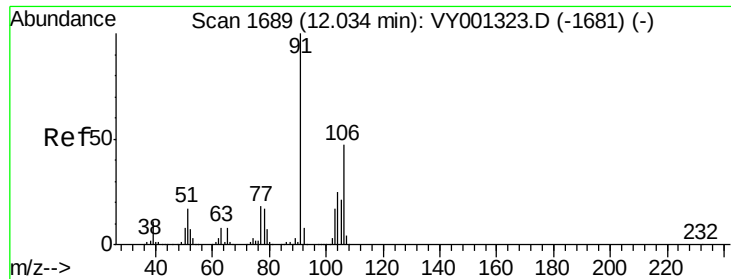
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#68
m/p-Xylenes
Concen: 98.037 ug/l
RT: 11.71 min Scan# 1636
Delta R.T. -0.00 min
Lab File: VY001360.D
Acq: 23 Jan 2020 17:32

Tgt Ion: 106 Resp: 413814
Ion Ratio Lower Upper
106 100
91 202.8 162.8 244.2





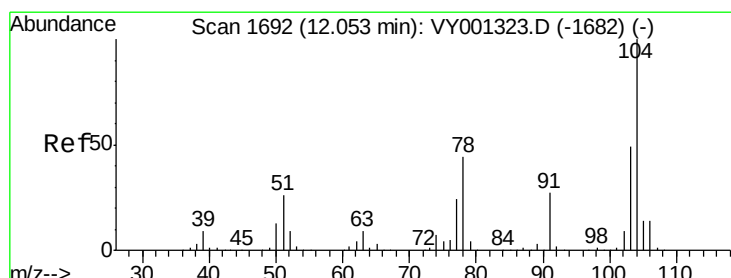
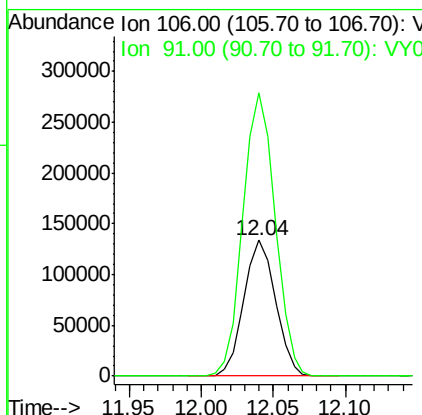
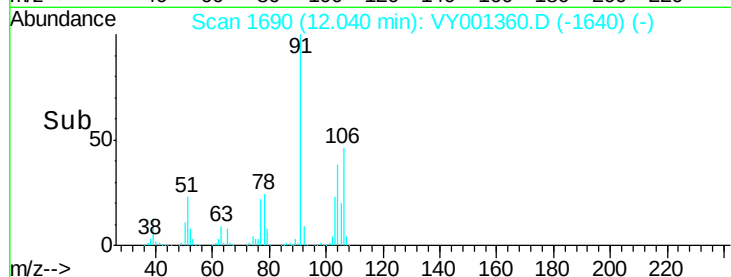
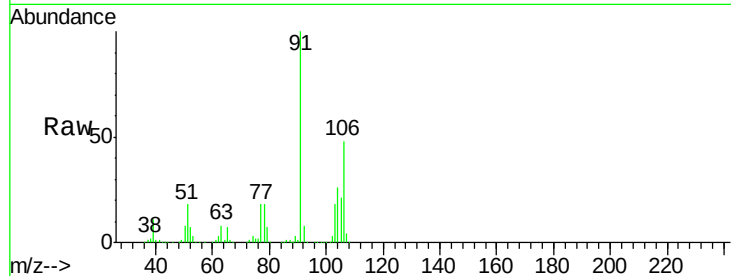
#69
o-Xylene
Concen: 50.425 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VY001360.D
Acq: 23 Jan 2020 17:32

Instrument :
MSVOA_Y
ClientSampleId :
EP-12MSD

Tot Ion:106 Resp: 204757
Ion Ratio Lower Upper
106 100
91 210.9 106.3 319.0

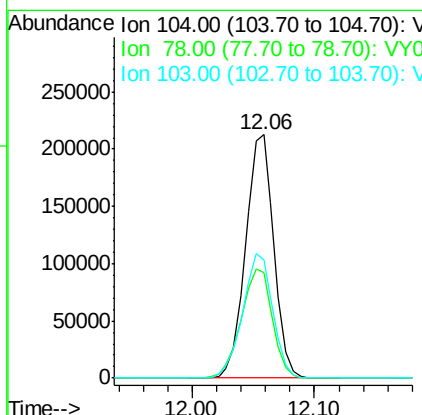
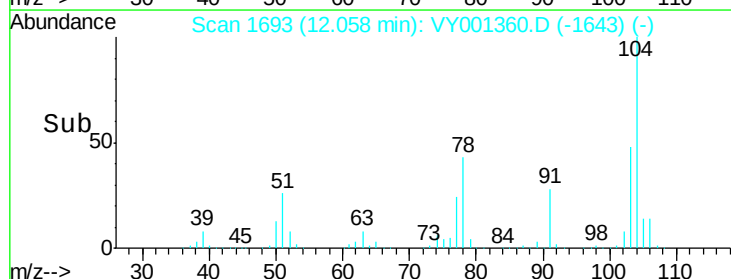
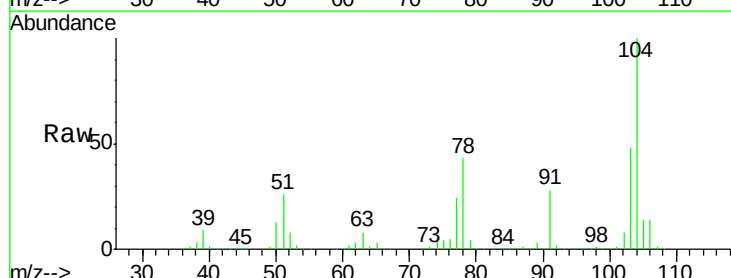
Manual Integrations
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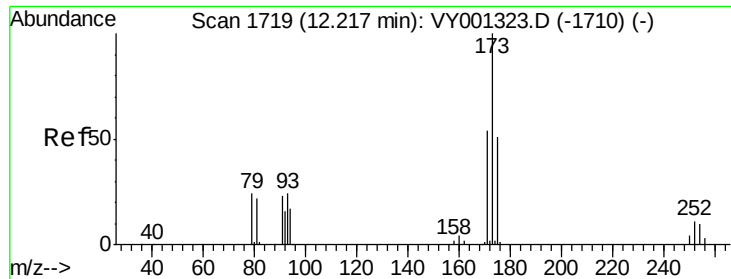
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#70
Styrene
Concen: 47.728 ug/l
RT: 12.06 min Scan# 1693
Delta R.T. 0.01 min
Lab File: VY001360.D
Acq: 23 Jan 2020 17:32

Tgt Ion:104 Resp: 340038
Ion Ratio Lower Upper
104 100
78 49.6 39.8 59.8
103 54.3 43.2 64.8





#71

Bromoform

Concen: 50.657 ug/l

RT: 12.22 min Scan# 1719

Delta R.T. -0.00 min

Lab File: VY001360.D

Acq: 23 Jan 2020 17:32

Instrument :

MSVOA_Y

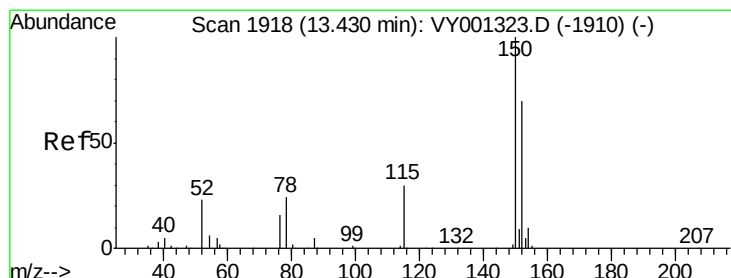
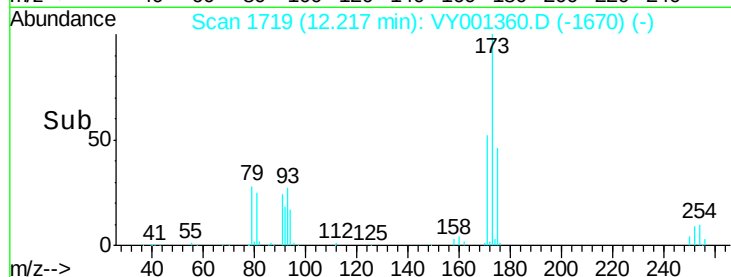
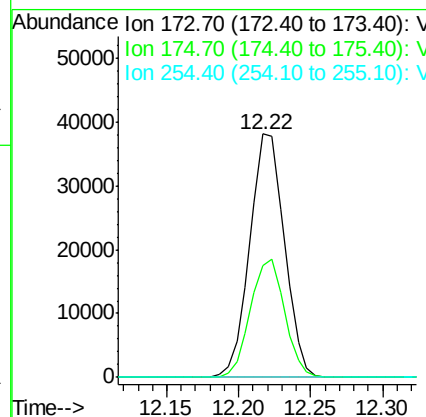
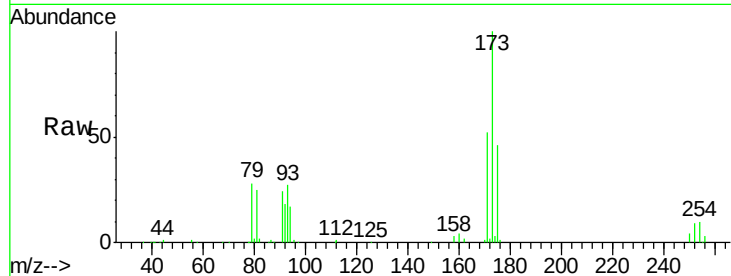
ClientSampleId :

EP-12MSD

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.9	24.3	72.9
254	0.1	0.0	0.0

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

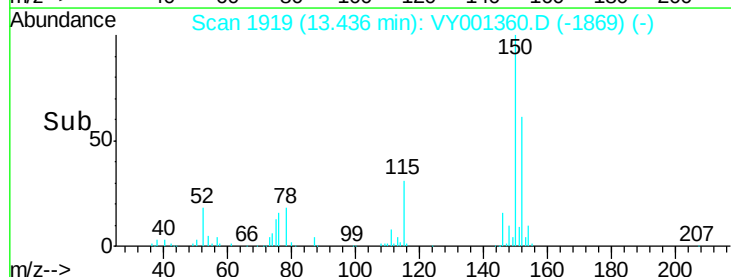
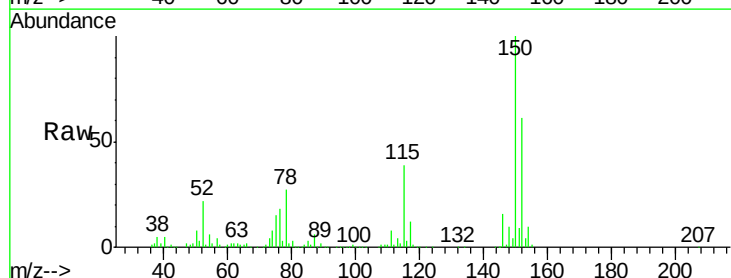
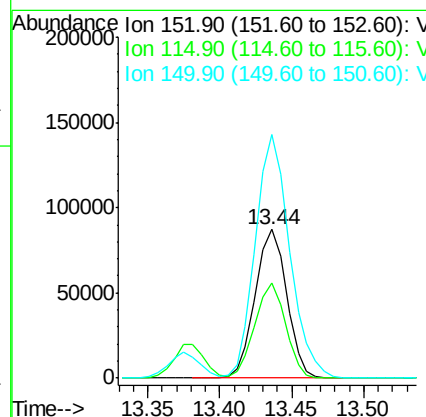
RT: 13.44 min Scan# 1919

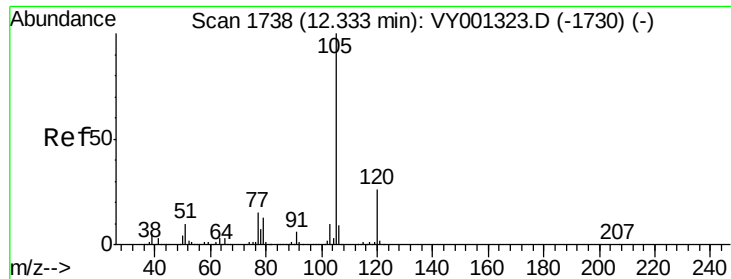
Delta R.T. 0.01 min

Lab File: VY001360.D

Acq: 23 Jan 2020 17:32

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.7	30.9	92.8
150	178.6	0.0	349.2





#73

Isopropylbenzene

Concen: 47.584 ug/l

RT: 12.34 min Scan# 1739

Delta R.T. 0.01 min

Lab File: VY001360.D

Acq: 23 Jan 2020 17:32

Instrument :

MSVOA_Y

ClientSampleId :

EP-12MSD

Tot Ion:105 Resp: 495997

Ion Ratio Lower Upper

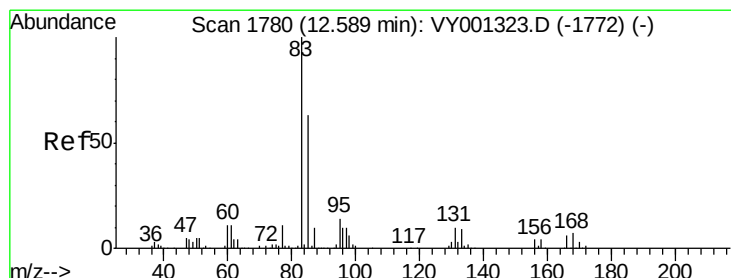
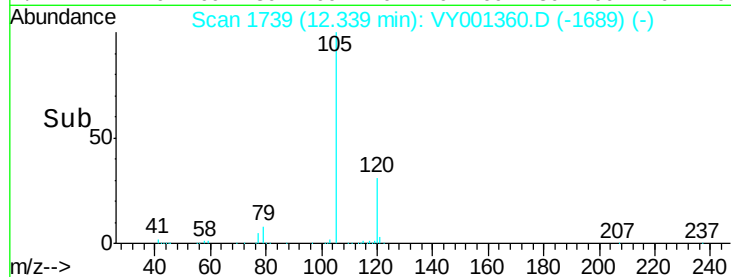
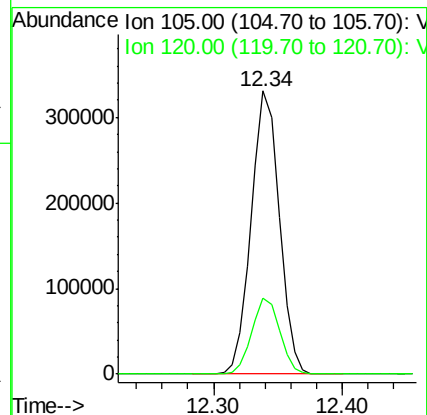
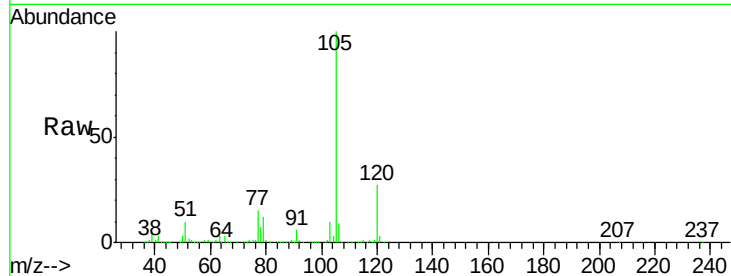
105 100

120 26.9 13.5 40.4

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#75

1,1,2,2-Tetrachloroethane

Concen: 54.288 ug/l

RT: 12.59 min Scan# 1781

Delta R.T. 0.01 min

Lab File: VY001360.D

Acq: 23 Jan 2020 17:32

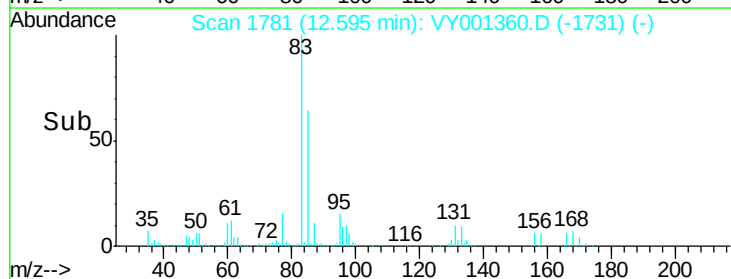
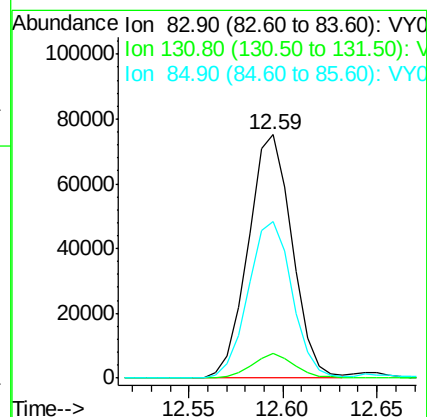
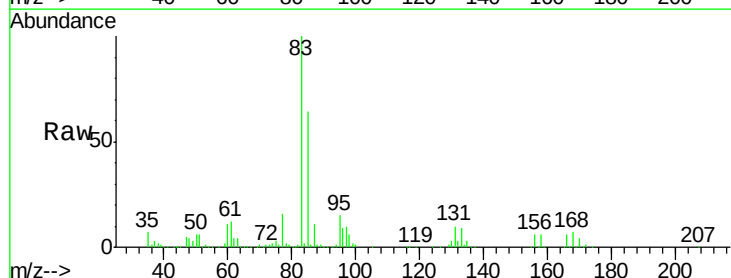
Tgt Ion: 83 Resp: 121189

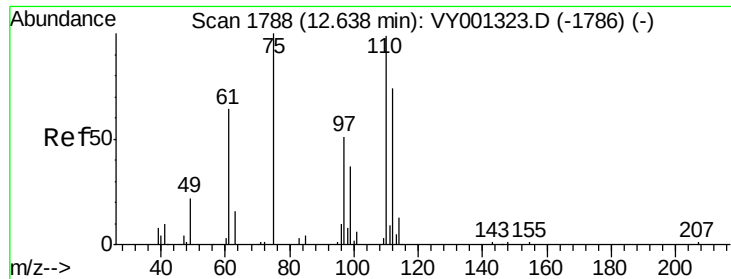
Ion Ratio Lower Upper

83 100

131 9.8 4.9 14.6

85 64.7 31.4 94.3





#76

1,2,3-Trichloropropane

Concen: 52.592 ug/l m

RT: 12.64 min Scan# 1789

Delta R.T. 0.01 min

Lab File: VY001360.D

Acq: 23 Jan 2020 17:32

Instrument :

MSVOA_Y

ClientSampleId :

EP-12MSD

Tot Ion: 75 Resp: 83715

Ion Ratio Lower Upper

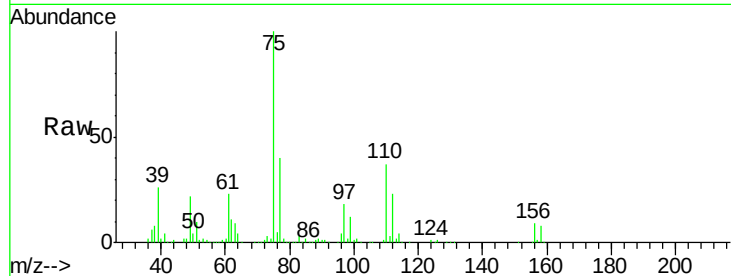
75 100

77 0.0 0.0 0.0

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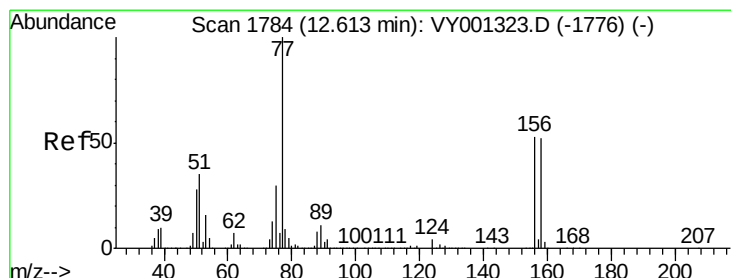
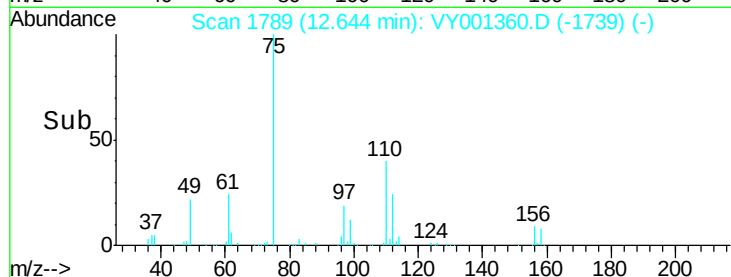
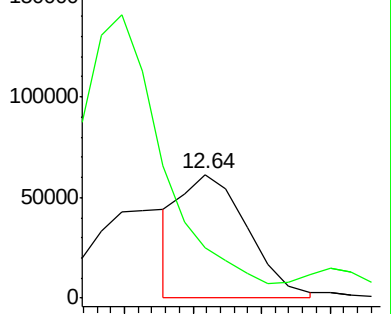
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Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0



#77

Bromobenzene

Concen: 51.464 ug/l

RT: 12.62 min Scan# 1785

Delta R.T. 0.01 min

Lab File: VY001360.D

Acq: 23 Jan 2020 17:32

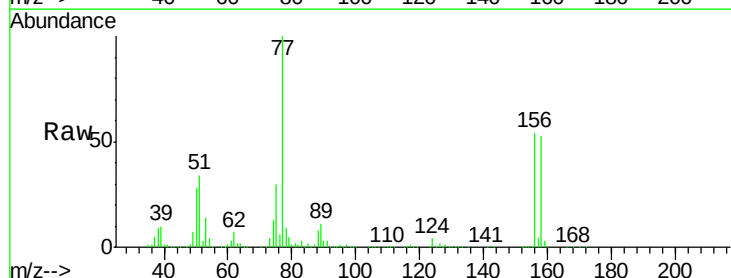
Tgt Ion: 156 Resp: 118815

Ion Ratio Lower Upper

156 100

77 210.9 104.7 313.9

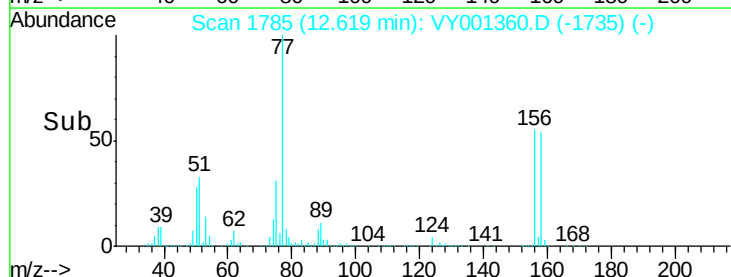
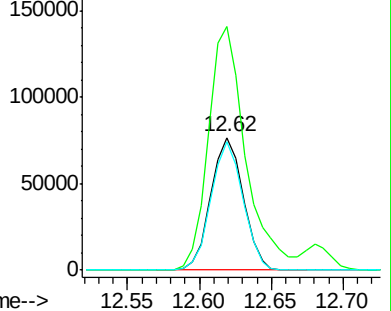
158 95.8 48.6 145.8

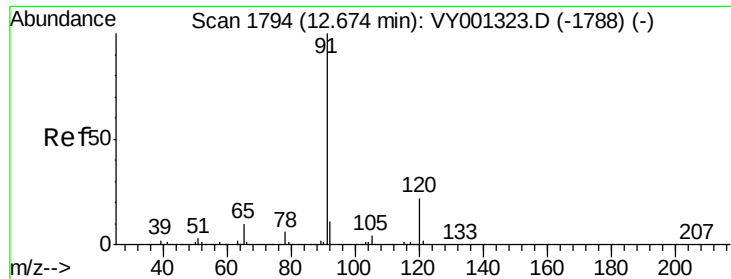


Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V





#78

n-propylbenzene

Concen: 45.385 ug/l

RT: 12.68 min Scan# 1795

Delta R.T. 0.01 min

Lab File: VY001360.D

Acq: 23 Jan 2020 17:32

Instrument :

MSVOA_Y

ClientSampleId :

EP-12MSD

Tot Ion: 91 Resp: 569408

Ion Ratio Lower Upper

91 100

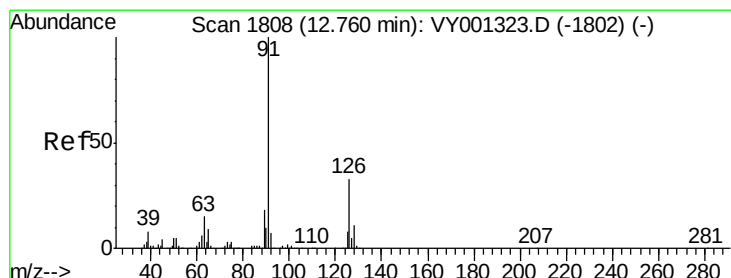
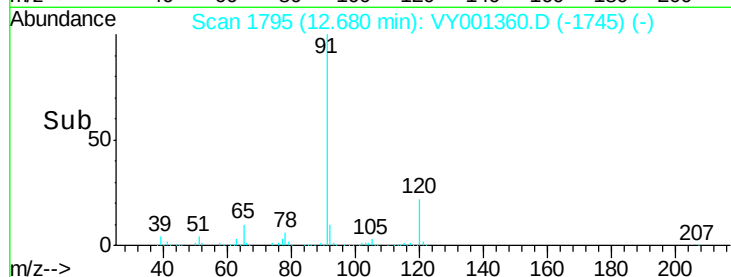
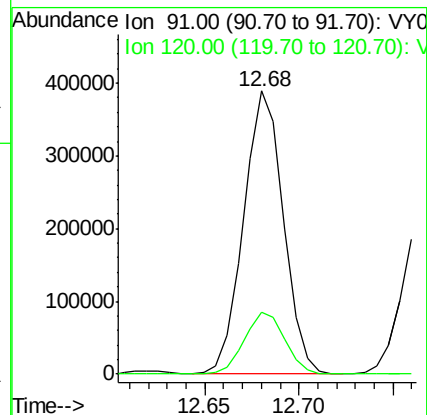
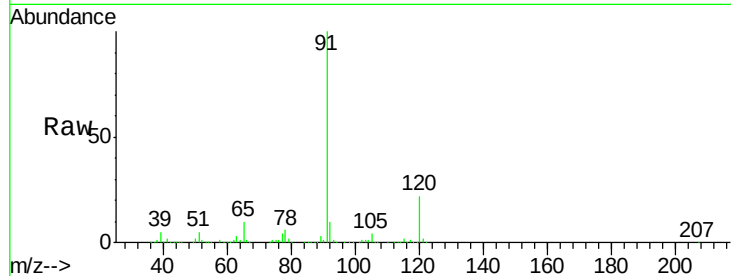
120 22.2 11.3 33.8

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#79

2-Chlorotoluene

Concen: 50.776 ug/l

RT: 12.77 min Scan# 1809

Delta R.T. 0.01 min

Lab File: VY001360.D

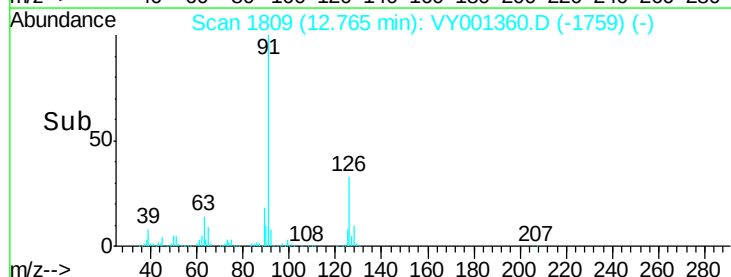
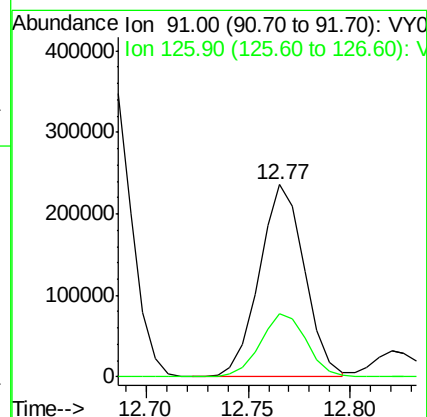
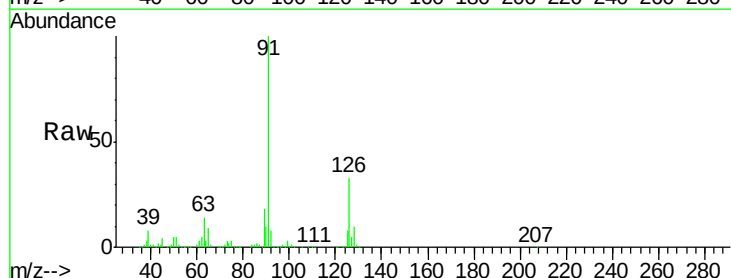
Acq: 23 Jan 2020 17:32

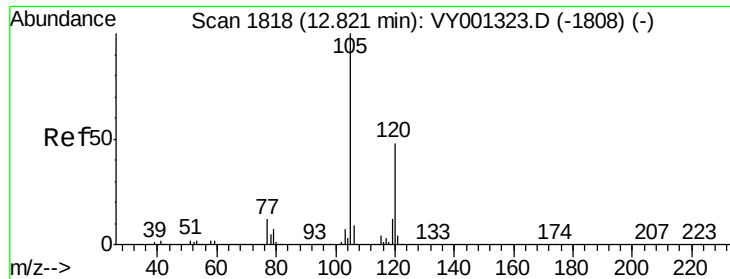
Tgt Ion: 91 Resp: 363932

Ion Ratio Lower Upper

91 100

126 33.2 16.6 49.7





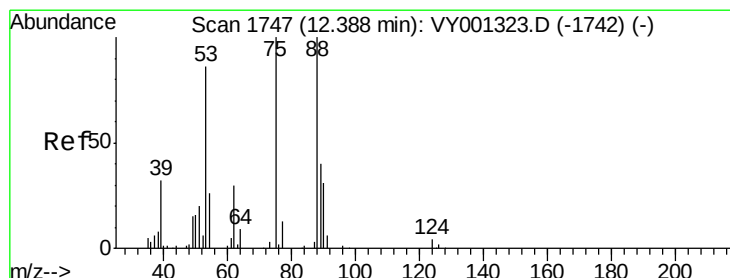
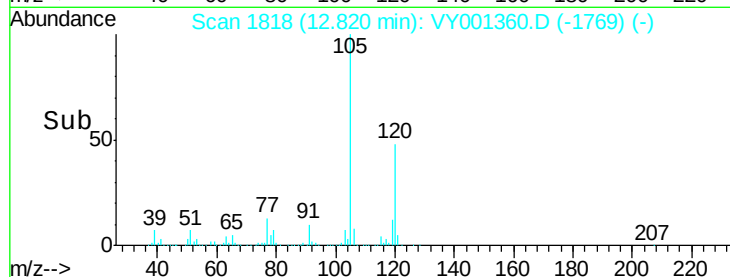
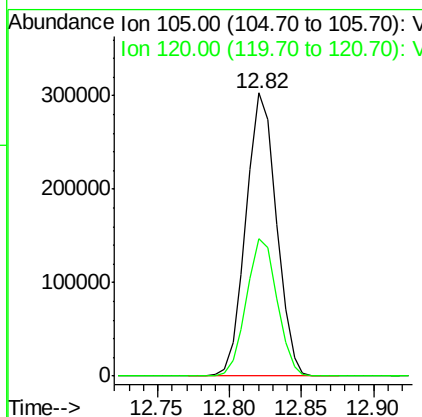
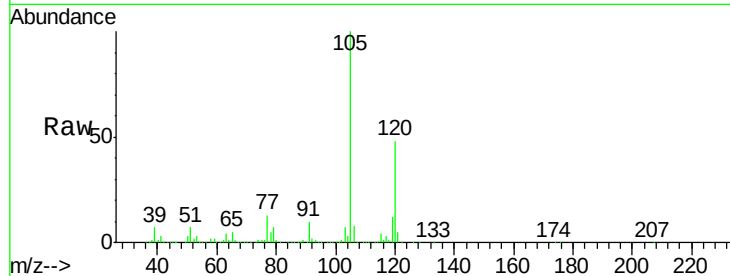
#80
 1,3,5-Trimethylbenzene
 Concen: 50.799 ug/l
 RT: 12.82 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VY001360.D
 Acq: 23 Jan 2020 17:32

Instrument :
 MSVOA_Y
 ClientSampleId :
 EP-12MSD

Tot Ion	Ratio	Lower	Upper
105	100		
120	49.0	24.3	72.9

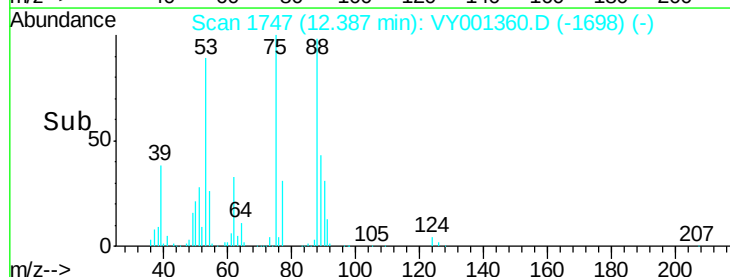
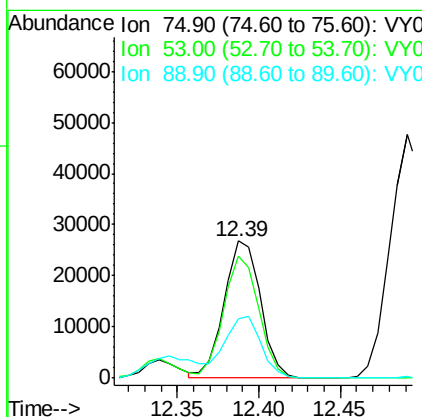
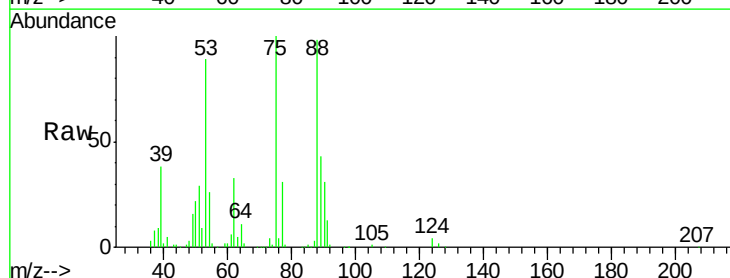
Manual Integrations
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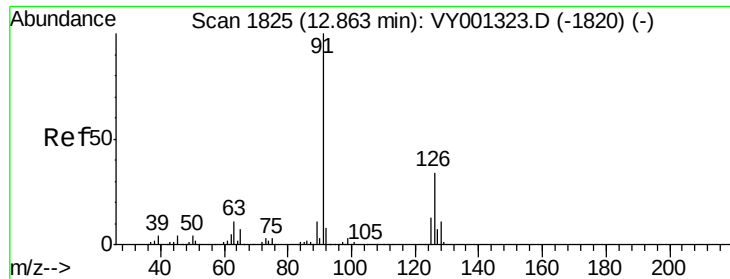
MMDadoda
 1/24/2020 4:03:41 PM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 49.807 ug/l
 RT: 12.39 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VY001360.D
 Acq: 23 Jan 2020 17:32

Tgt Ion	Ratio	Lower	Upper
75	100		
53	85.9	69.9	104.9
89	45.8	36.6	54.8





#82

4-Chlorotoluene

Concen: 49.437 ug/l

RT: 12.86 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VY001360.D

Acq: 23 Jan 2020 17:32

Instrument :

MSVOA_Y

ClientSampled :

EP-12MSD

Tot Ion: 91 Resp: 378489

Ion Ratio Lower Upper

91 100

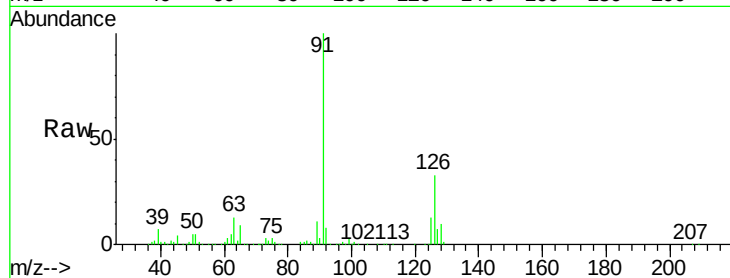
126 33.4 16.4 49.4

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VY001360.D (-1776) (-)

Ion 125.90 (125.60 to 126.60): VY001360.D (-1776) (-)

12.86

250000

200000

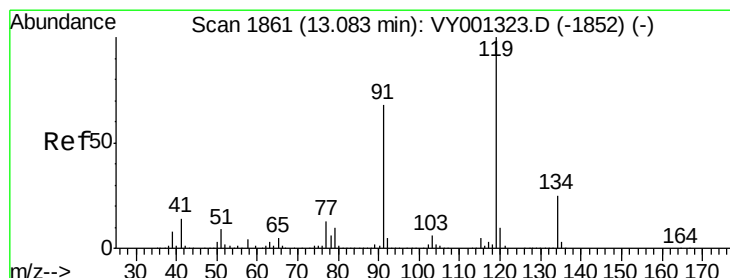
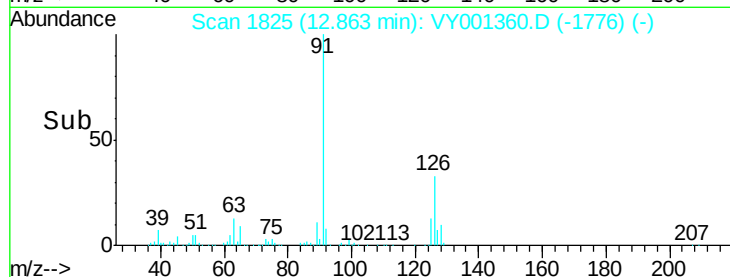
150000

100000

50000

0

Time--> 12.80 12.85 12.90 12.95



#83

tert-Butylbenzene

Concen: 49.467 ug/l

RT: 13.08 min Scan# 1861

Delta R.T. -0.00 min

Lab File: VY001360.D

Acq: 23 Jan 2020 17:32

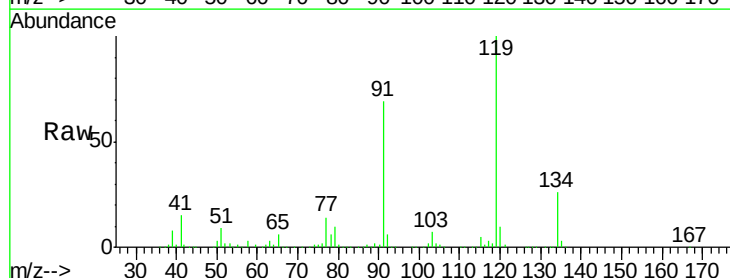
Tgt Ion: 119 Resp: 362798

Ion Ratio Lower Upper

119 100

91 67.5 33.0 99.0

134 27.8 13.3 39.9



Abundance Ion 119.00 (118.70 to 119.70): VY001360.D (-1812) (-)

Ion 91.00 (90.70 to 91.70): VY001360.D (-1812) (-)

Ion 134.00 (133.70 to 134.70): VY001360.D (-1812) (-)

13.08

300000

250000

200000

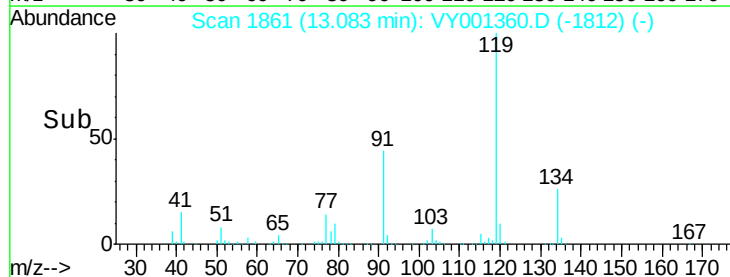
150000

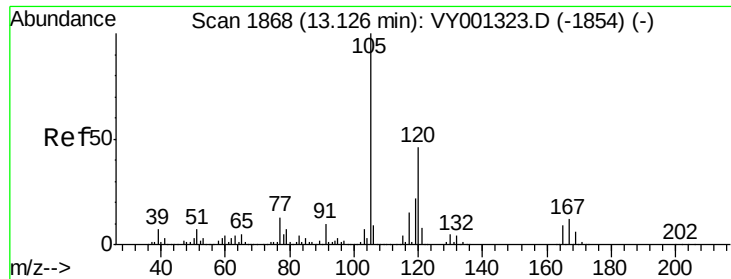
100000

50000

0

Time--> 13.00 13.05 13.10





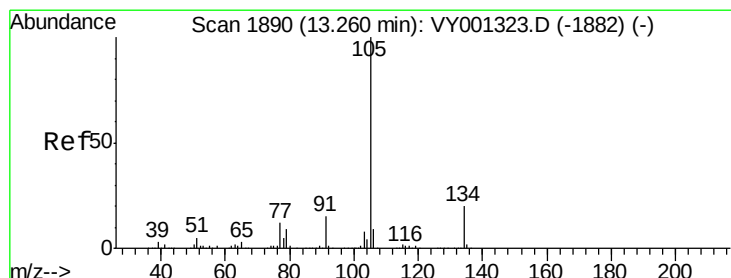
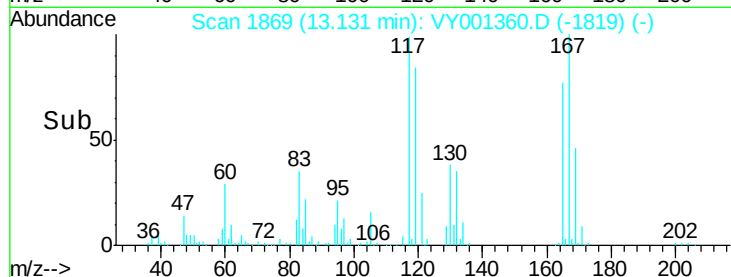
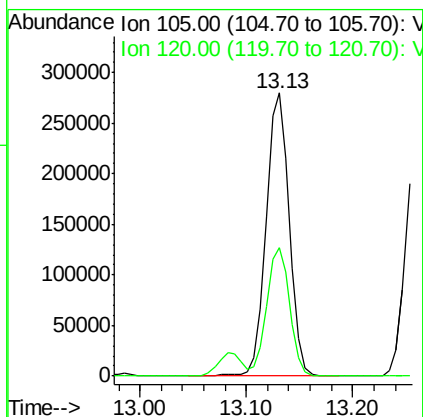
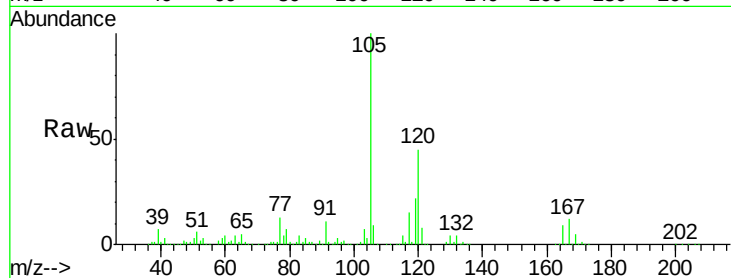
#84
1,2,4-Trimethylbenzene
Concen: 48.669 ug/l
RT: 13.13 min Scan# 1869
Delta R.T. 0.01 min
Lab File: VY001360.D
Acq: 23 Jan 2020 17:32

Instrument :
MSVOA_Y
ClientSampleId :
EP-12MSD

Tot Ion:105 Resp: 425143
Ion Ratio Lower Upper
105 100
120 45.3 22.4 67.3

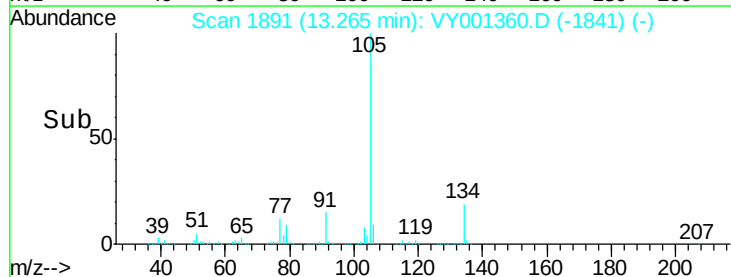
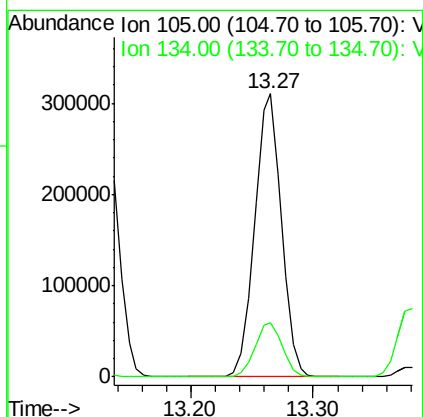
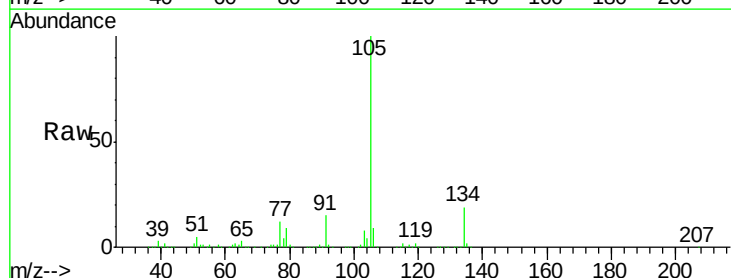
Manual Integrations
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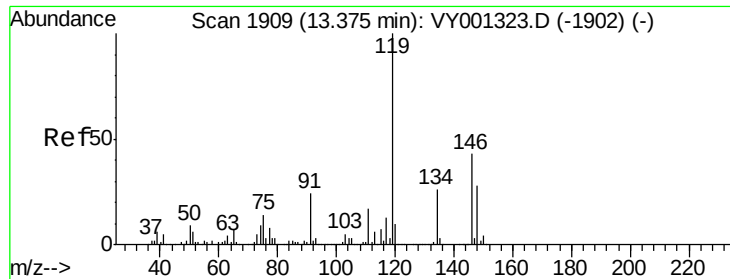
MMDadoda
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#85
sec-Butylbenzene
Concen: 45.289 ug/l
RT: 13.27 min Scan# 1891
Delta R.T. 0.01 min
Lab File: VY001360.D
Acq: 23 Jan 2020 17:32

Tgt Ion:105 Resp: 471924
Ion Ratio Lower Upper
105 100
134 19.7 9.8 29.4





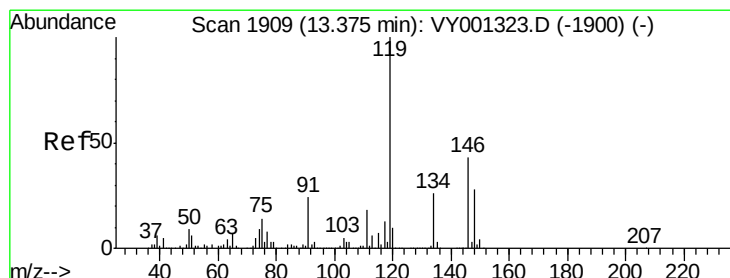
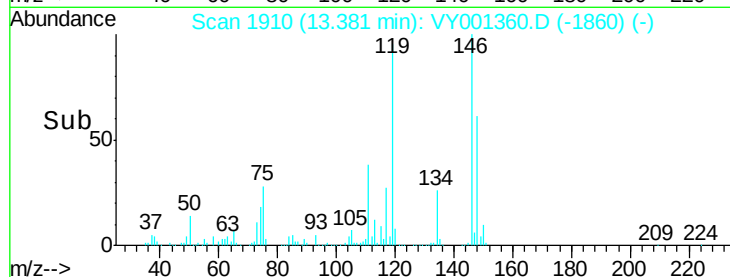
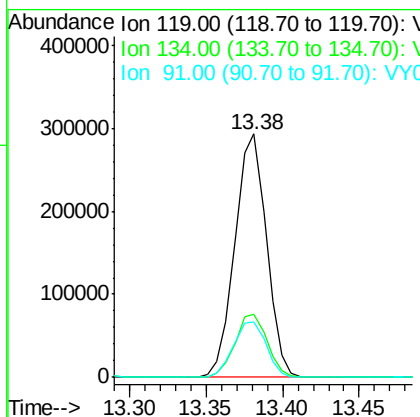
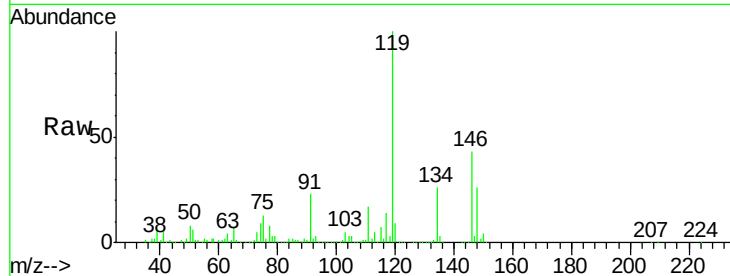
#86
p-Isopropyltoluene
Concen: 45.808 ug/l
RT: 13.38 min Scan# 1910
Delta R.T. 0.01 min
Lab File: VY001360.D
Acq: 23 Jan 2020 17:32

Instrument :
MSVOA_Y
ClientSampleId :
EP-12MSD

Tot Ion	Ratio	Resp	Lower	Upper
119	100	420637		
134	26.5		13.5	40.4
91	24.0		12.2	36.6

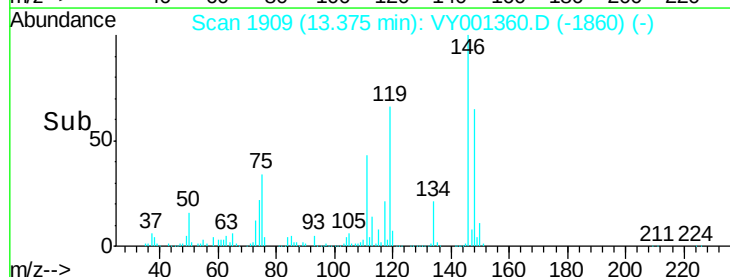
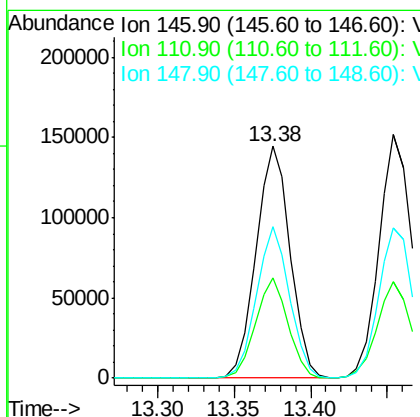
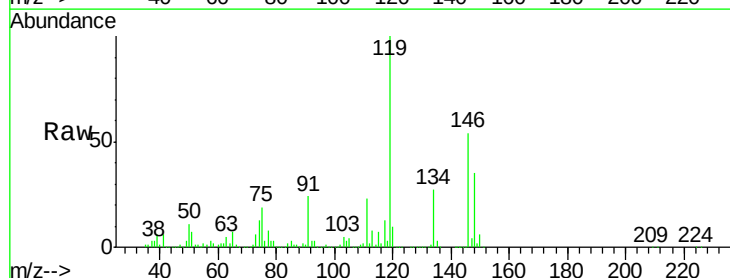
Manual Integrations
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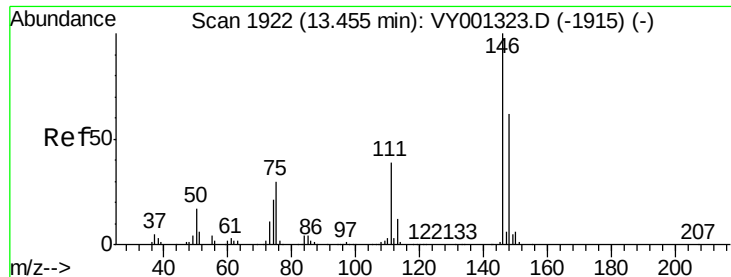
MMDadoda
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#87
1,3-Dichlorobenzene
Concen: 50.383 ug/l
RT: 13.38 min Scan# 1909
Delta R.T. -0.00 min
Lab File: VY001360.D
Acq: 23 Jan 2020 17:32

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	224019		
111	41.6		20.6	61.8
148	63.2		31.6	95.0





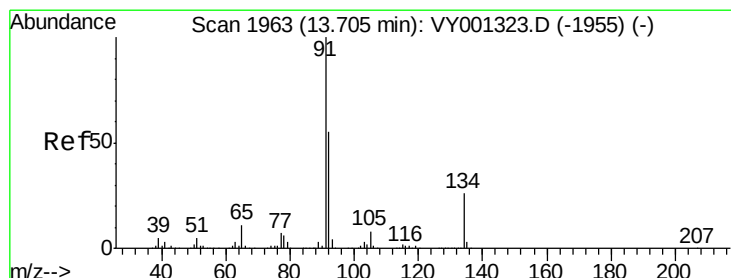
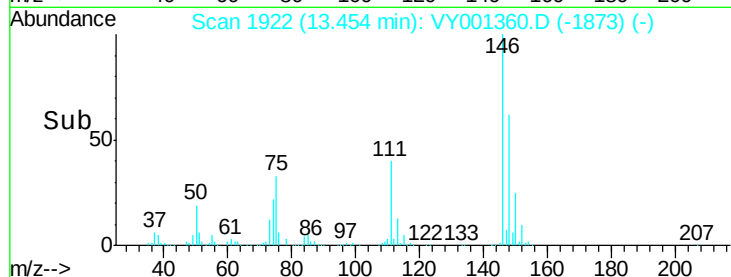
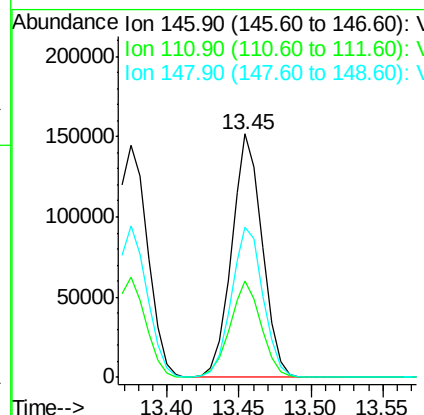
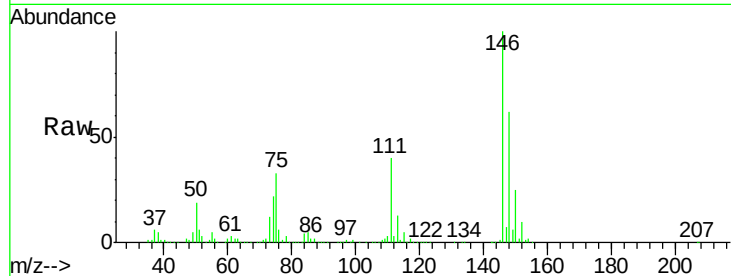
#88
 1,4-Dichlorobenzene
 Concen: 49.870 ug/l
 RT: 13.45 min Scan# 1922
 Delta R.T. -0.00 min
 Lab File: VY001360.D
 Acq: 23 Jan 2020 17:32

Instrument :
 MSVOA_Y
 ClientSampleId :
 EP-12MSD

Tot Ion	Ratio	Resp	Lower	Upper
146	100	225143		
111	40.2	20.5	61.5	
148	64.1	31.6	95.0	

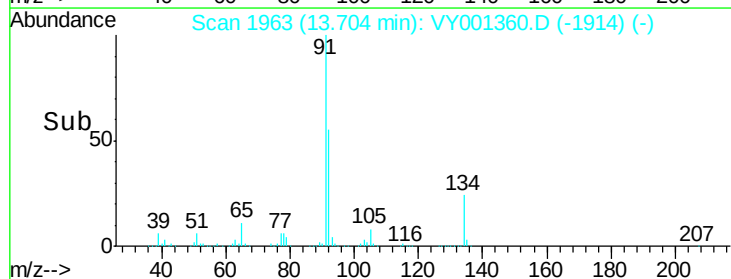
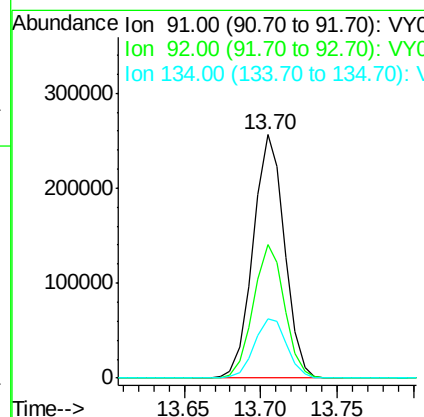
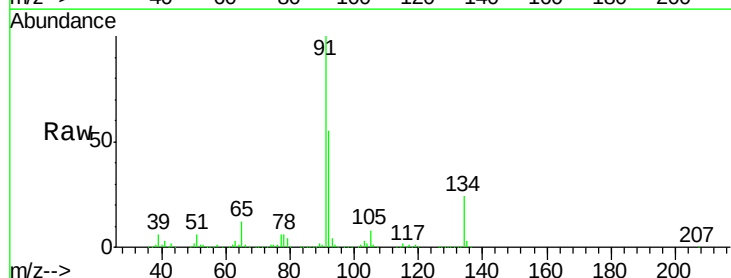
Manual Integrations
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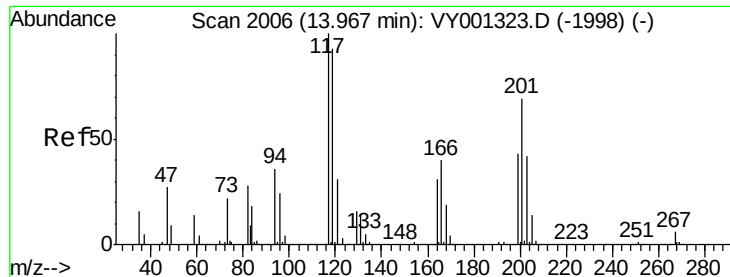
MMDadoda
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#89
 n-Butylbenzene
 Concen: 39.571 ug/l
 RT: 13.70 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VY001360.D
 Acq: 23 Jan 2020 17:32

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	365705		
92	54.5	27.6	82.8	
134	25.4	12.9	38.6	





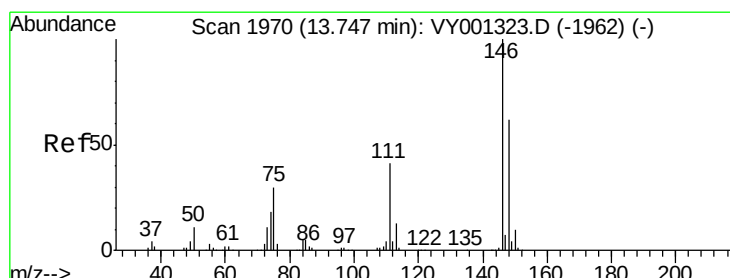
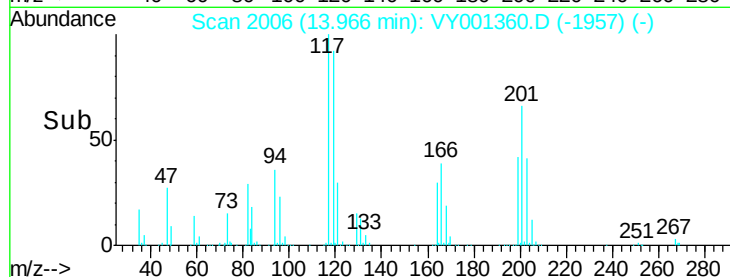
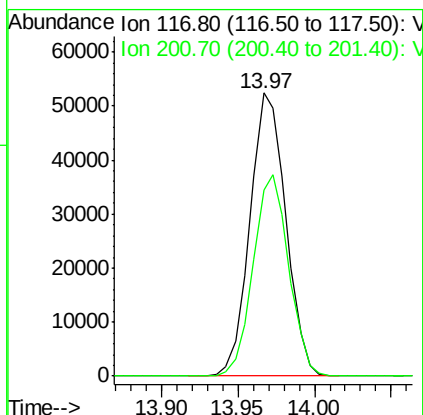
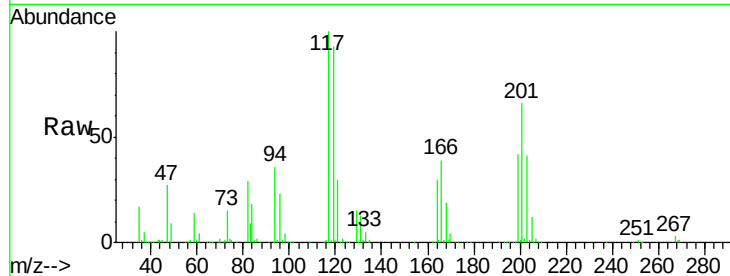
#90
Hexachloroethane
Concen: 49.106 ug/l
RT: 13.97 min Scan# 2006
Delta R.T. -0.00 min
Lab File: VY001360.D
Acq: 23 Jan 2020 17:32

Instrument :
MSVOA_Y
ClientSampleId :
EP-12MSD

Tot Ion:117 Resp: 85474
Ion Ratio Lower Upper
117 100
201 70.5 34.6 103.8

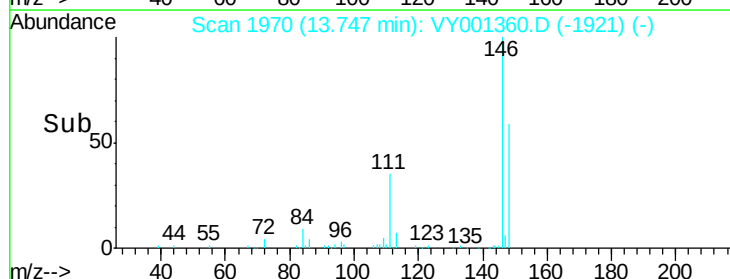
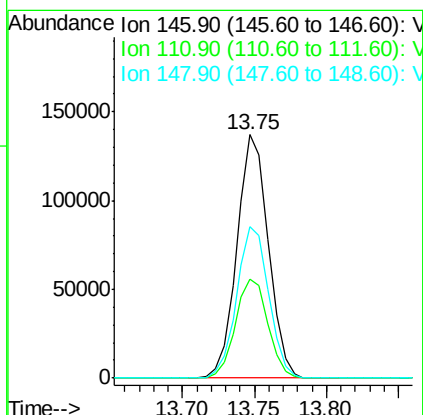
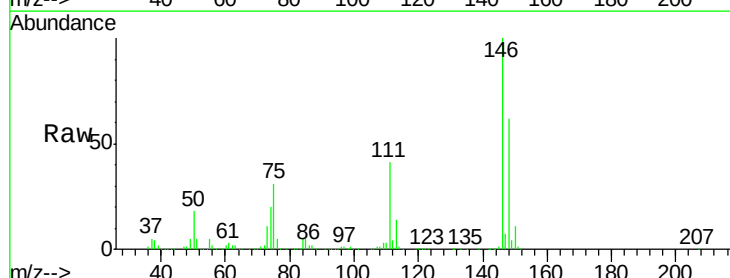
Manual Integrations
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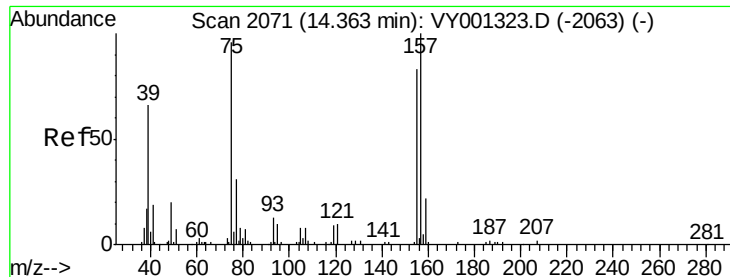
MMDadoda
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#91
1,2-Dichlorobenzene
Concen: 50.643 ug/l
RT: 13.75 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VY001360.D
Acq: 23 Jan 2020 17:32

Tgt Ion:146 Resp: 207668
Ion Ratio Lower Upper
146 100
111 42.2 21.1 63.4
148 63.5 31.5 94.5





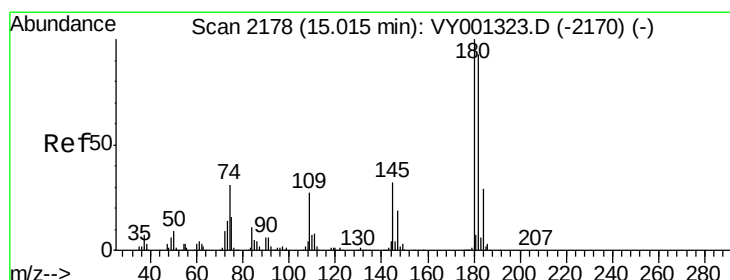
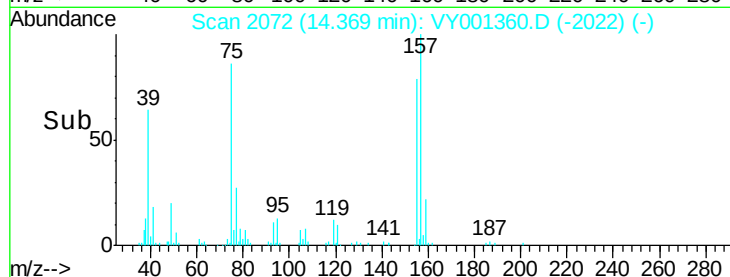
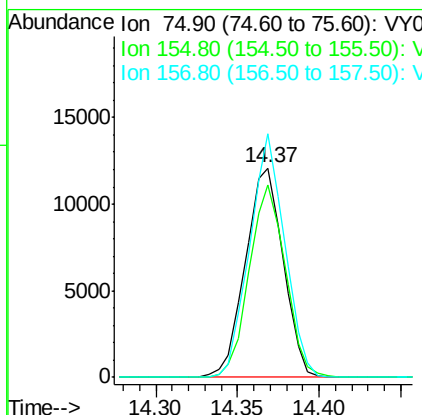
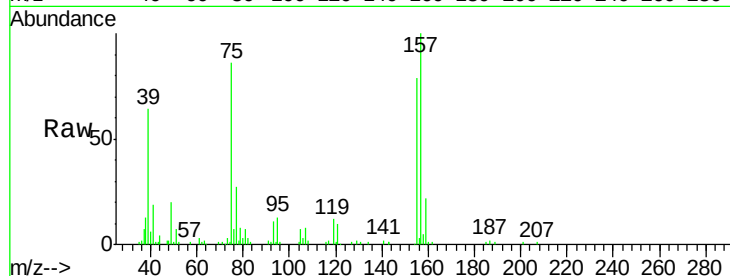
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.733 ug/l
 RT: 14.37 min Scan# 2072
 Delta R.T. 0.01 min
 Lab File: VY001360.D
 Acq: 23 Jan 2020 17:32

Instrument :
 MSVOA_Y
 ClientSampleId :
 EP-12MSD

Tot Ion	Ratio	Lower	Upper
75	100		
155	87.5	43.0	129.2
157	107.8	53.3	160.0

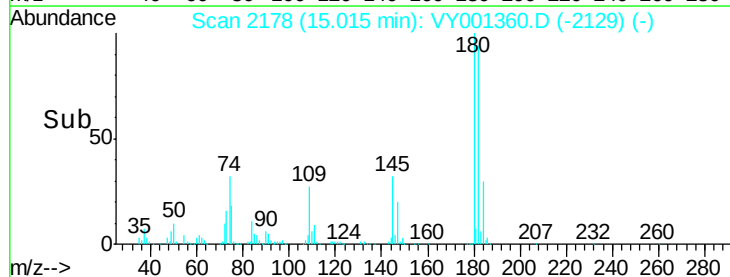
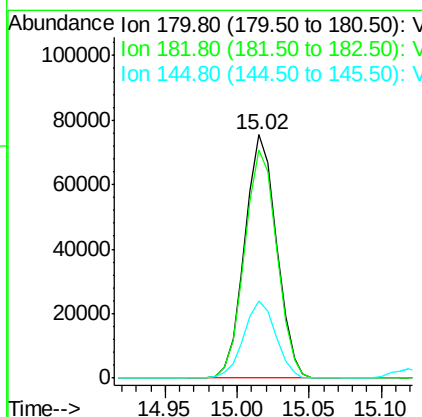
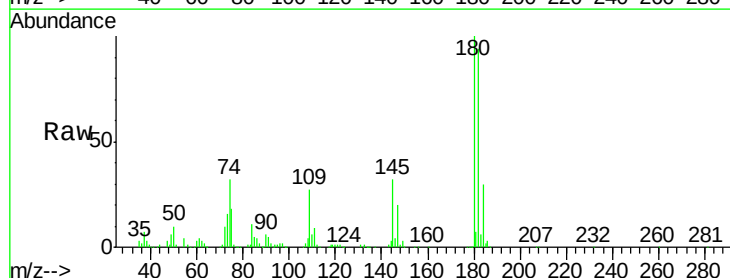
Manual Integrations
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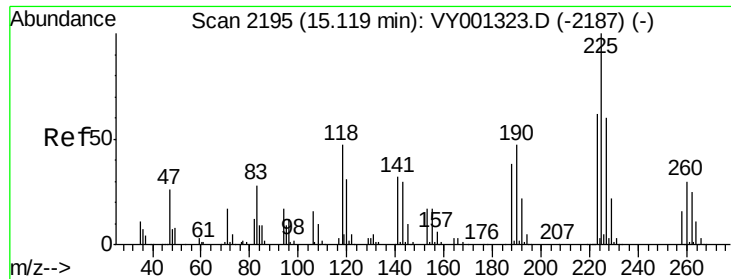
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#93
 1,2,4-Trichlorobenzene
 Concen: 41.912 ug/l
 RT: 15.02 min Scan# 2178
 Delta R.T. -0.00 min
 Lab File: VY001360.D
 Acq: 23 Jan 2020 17:32

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.6	142.8
145	32.1	16.3	48.9





#94

Hexachlorobutadiene

Concen: 33.543 ug/l

RT: 15.12 min Scan# 2195

Delta R.T. -0.00 min

Lab File: VY001360.D

Acq: 23 Jan 2020 17:32

Instrument :

MSVOA_Y

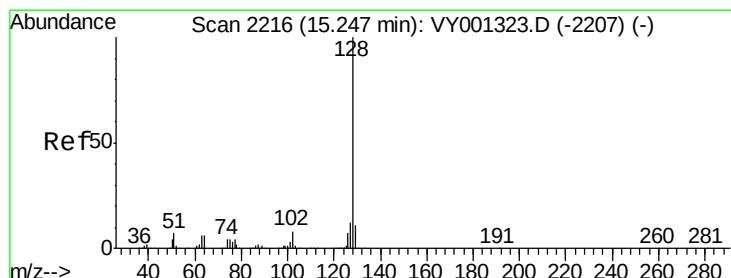
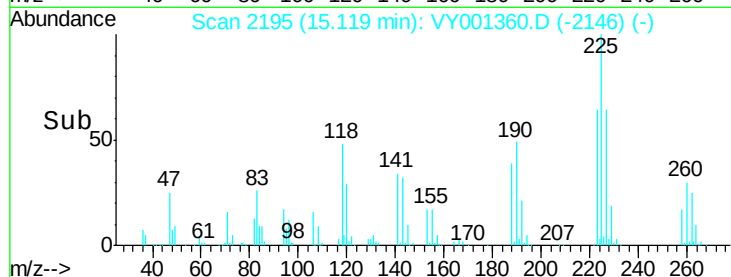
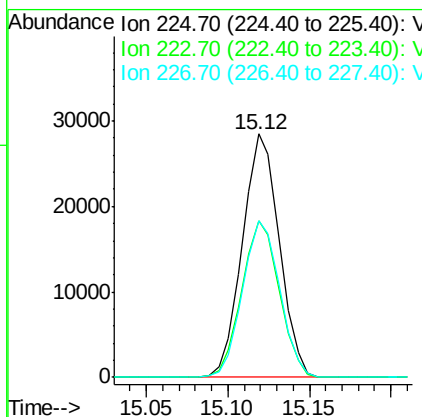
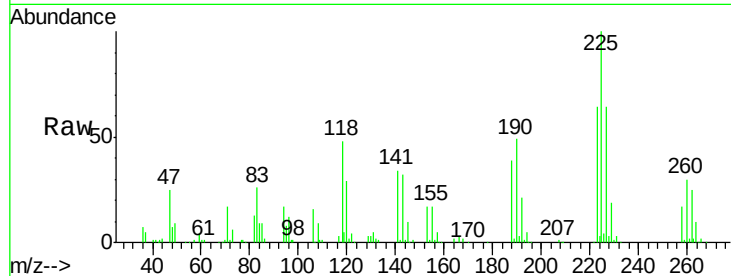
ClientSampleId :

EP-12MSD

Tot Ion:	225	Resp:	44951
Ion Ratio	Lower	Upper	
225	100		
223	65.3	31.2	93.6
227	64.8	31.0	93.0

Manual Integrations
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#95

Naphthalene

Concen: 48.080 ug/l

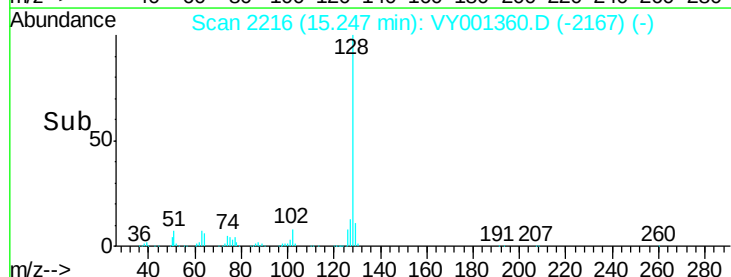
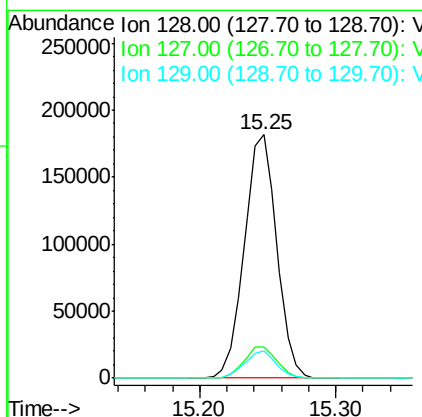
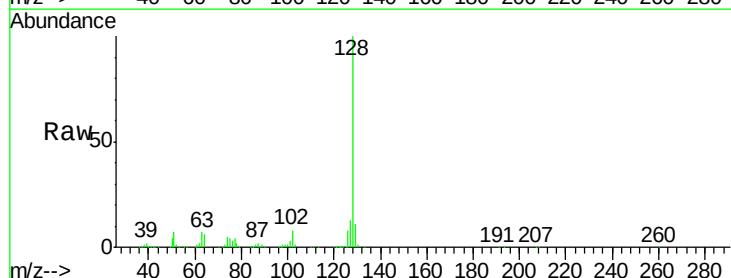
RT: 15.25 min Scan# 2216

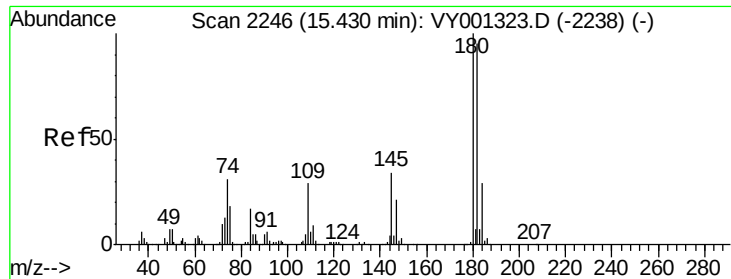
Delta R.T. -0.00 min

Lab File: VY001360.D

Acq: 23 Jan 2020 17:32

Tgt Ion:	128	Resp:	302572
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.2	15.2
129	10.9	8.7	13.1





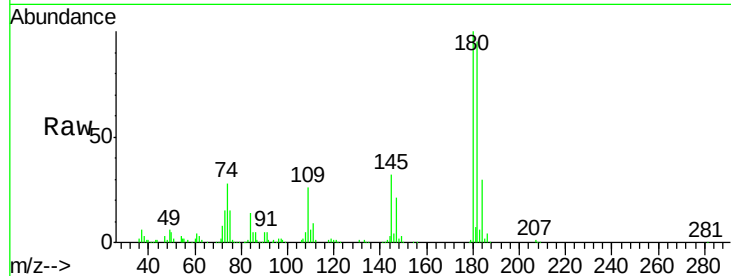
#96
 1,2,3-Trichlorobenzene
 Concen: 41.535 ug/l
 RT: 15.44 min Scan# 2247
 Delta R.T. 0.01 min
 Lab File: VY001360.D
 Acq: 23 Jan 2020 17:32

Instrument :
 MSVOA_Y
 ClientSampleId :
 EP-12MSD

Tot Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	96.0	47.3	141.8
145	34.0	16.8	50.3

Manual Integrations
 APPROVED

MMDadoda
 1/24/2020 4:03:41 PM



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

