

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY100819\
 Data File : VY000228.D
 Acq On : 08 Oct 2019 18:52
 Operator : SY/MD
 Sample : 0.5PPBMDL
 Misc : 5.0ml/MSVOA Y/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 0.5PPBMDL

Manual Integrations
 APPROVED

MMDadoda
 10/10/2019 12:52:56 AM

Quant Time: Oct 09 09:19:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y100819W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 09 09:14:33 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	256612	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	434219	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	372132	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	166973	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	157890	47.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.68%	
35) Dibromofluoromethane	7.72	113	124506	46.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.04%	
50) Toluene-d8	10.19	98	453827	42.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.40%	
62) 4-Bromofluorobenzene	12.48	95	152952	40.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.56%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.90	85	953	0.372	ug/l	92
3) Chloromethane	2.11	50	1762	0.505	ug/l #	71
4) Vinyl Chloride	2.24	62	1694	0.470	ug/l #	84
5) Bromomethane	2.66	94	1510m	0.664	ug/l	
6) Chloroethane	2.80	64	1219	0.536	ug/l #	73
7) Trichlorofluoromethane	3.13	101	2044	0.439	ug/l	88
8) Diethyl Ether	3.53	74	1036	0.487	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.90	101	1567	0.577	ug/l #	29
10) Methyl Iodide	4.11	142	839m	0.209	ug/l	
11) Tert butyl alcohol	4.95	59	8218	4.583	ug/l #	84
12) 1,1-Dichloroethene	3.87	96	1001	0.355	ug/l #	65
13) Acrolein	3.74	56	3069	3.261	ug/l	94
14) Allyl chloride	4.48	41	2060m	0.433	ug/l	
15) Acrylonitrile	5.18	53	7212	2.279	ug/l #	90
16) Acetone	3.96	43	7365	2.818	ug/l	95
17) Carbon Disulfide	4.21	76	4025	0.484	ug/l #	76
18) Methyl Acetate	4.49	43	3601	0.503	ug/l	100
19) Methyl tert-butyl Ether	5.24	73	4690	0.454	ug/l #	89
20) Methylene Chloride	4.72	84	2176	0.634	ug/l #	88
21) trans-1,2-Dichloroethene	5.24	96	1408	0.444	ug/l #	79
22) Diisopropyl ether	6.12	45	5160	0.468	ug/l #	86
23) Vinyl Acetate	6.08	43	20805	2.086	ug/l #	80
24) 1,1-Dichloroethane	6.04	63	2642	0.470	ug/l #	82
25) 2-Butanone	7.00	43	11390	2.355	ug/l	92
26) 2,2-Dichloropropane	7.01	77	3177	0.626	ug/l #	75
27) cis-1,2-Dichloroethene	7.01	96	1583	0.423	ug/l	78
28) Bromochloromethane	7.34	49	1120	0.606	ug/l #	92
29) Tetrahydrofuran	7.37	42	7068	2.070	ug/l	95
30) Chloroform	7.53	83	3566	0.612	ug/l #	79
31) Cyclohexane	7.81	56	7488	1.320	ug/l #	50
32) 1,1,1-Trichloroethane	7.71	97	2155	0.435	ug/l #	50
36) 1,1-Dichloropropene	7.92	75	2107	0.477	ug/l #	51
37) Ethyl Acetate	7.09	43	3851	0.482	ug/l #	74
38) Carbon Tetrachloride	7.91	117	2134	0.496	ug/l #	65

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

39) Methylcyclohexane	9.20	83	2180	0.393	ug/l #	69
40) Benzene	8.17	78	5689	0.424	ug/l	99
41) Methacrylonitrile	7.36	41	3158m	0.502	ug/l	
42) 1,2-Dichloroethane	8.25	62	2594	0.596	ug/l	89
43) Isopropyl Acetate	8.28	43	4364	0.424	ug/l #	96
44) Trichloroethene	8.96	130	1772	0.488	ug/l	65
45) 1,2-Dichloropropane	9.22	63	1796	0.535	ug/l #	64
46) Dibromomethane	9.32	93	952	0.405	ug/l #	85
47) Bromodichloromethane	9.51	83	2409	0.523	ug/l #	71
48) Methyl methacrylate	9.29	41	2187	0.471	ug/l #	80
49) 1,4-Dioxane	9.31	88	895	7.513	ug/l #	65
51) 4-Methyl-2-Pentanone	10.08	43	16072	2.080	ug/l	95
52) Toluene	10.25	92	3415	0.397	ug/l	95
53) t-1,3-Dichloropropene	10.47	75	2428	0.465	ug/l #	78
54) cis-1,3-Dichloropropene	9.94	75	2477	0.438	ug/l #	89
55) 1,1,2-Trichloroethane	10.64	97	1648	0.486	ug/l #	84
56) Ethyl methacrylate	10.52	69	2425	0.406	ug/l	97
57) 1,3-Dichloropropane	10.80	76	2743	0.474	ug/l #	86
58) 2-Chloroethyl Vinyl ether	9.79	63	6127	2.303	ug/l #	88
59) 2-Hexanone	10.84	43	13214	2.018	ug/l	99
60) Dibromochloromethane	10.99	129	1544	0.431	ug/l	97
61) 1,2-Dibromoethane	11.10	107	1725	0.479	ug/l	87
64) Tetrachloroethene	10.72	164	2203	0.648	ug/l	91
65) Chlorobenzene	11.51	112	3783	0.439	ug/l #	89
66) 1,1,1,2-Tetrachloroethane	11.59	131	1735	0.563	ug/l #	64
67) Ethyl Benzene	11.60	91	6318	0.410	ug/l	93
68) m/p-Xylenes	11.71	106	4765	0.810	ug/l	90
69) o-Xylene	12.02	106	2965	0.523	ug/l	74
70) Styrene	12.04	104	4074	0.417	ug/l	91
71) Bromoform	12.21	173	1071	0.421	ug/l #	93
73) Isopropylbenzene	12.33	105	6142	0.434	ug/l	98
74) N-amyl acetate	12.14	43	2526	0.375	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.59	83	2319	0.480	ug/l	92
76) 1,2,3-Trichloropropane	12.63	75	2238m	0.508	ug/l	
77) Bromobenzene	12.61	156	1914	0.577	ug/l	71
78) n-propylbenzene	12.67	91	6647	0.402	ug/l	99
79) 2-Chlorotoluene	12.75	91	3959	0.416	ug/l	96
80) 1,3,5-Trimethylbenzene	12.81	105	5416	0.459	ug/l	91
81) trans-1,4-Dichloro-2-buten	12.38	75	786m	0.368	ug/l	
82) 4-Chlorotoluene	12.85	91	4862	0.504	ug/l	92
83) tert-Butylbenzene	13.07	119	4344	0.423	ug/l	95
84) 1,2,4-Trimethylbenzene	13.12	105	4922	0.417	ug/l	81
85) sec-Butylbenzene	13.25	105	5590	0.395	ug/l	98
86) p-Isopropyltoluene	13.37	119	5453	0.438	ug/l	96
87) 1,3-Dichlorobenzene	13.36	146	2908	0.484	ug/l	87
88) 1,4-Dichlorobenzene	13.45	146	3177m	0.507	ug/l	
89) n-Butylbenzene	13.69	91	4555	0.389	ug/l	94
90) Hexachloroethane	13.96	117	880	0.374	ug/l	78
91) 1,2-Dichlorobenzene	13.73	146	3103	0.510	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	14.35	75	768	0.509	ug/l	88

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0.5PPBMDL

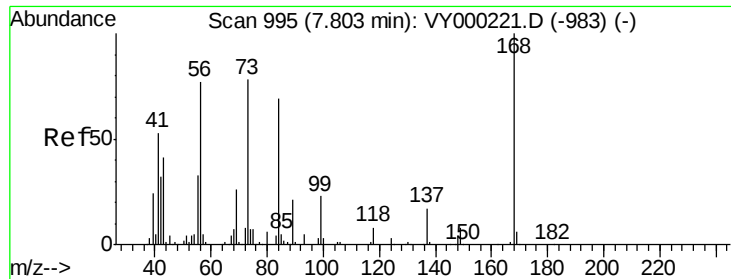
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	1886	0.456	ug/l	84
94) Hexachlorobutadiene	15.11	225	635	0.322	ug/l #	66
95) Naphthalene	15.23	128	7089	0.456	ug/l	95
96) 1,2,3-Trichlorobenzene	15.43	180	2055	0.517	ug/l	88

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.00 min

Lab File: VY000228.D

Acq: 08 Oct 2019 18:52

Instrument :

MSVOA_Y

ClientSampleId :

0.5PPBMDL

Tot Ion:168 Resp: 256612

Ion Ratio Lower Upper

168 100

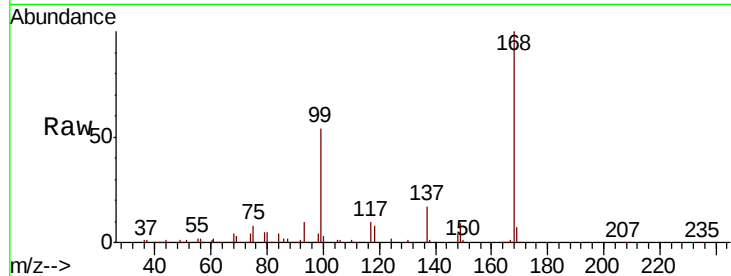
99 54.1 45.0 67.6

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Abundance Ion 167.90 (167.60 to 168.60): VY000228.D (-946) (-)

Ion 98.90 (98.60 to 99.60): VY000228.D (-946) (-)

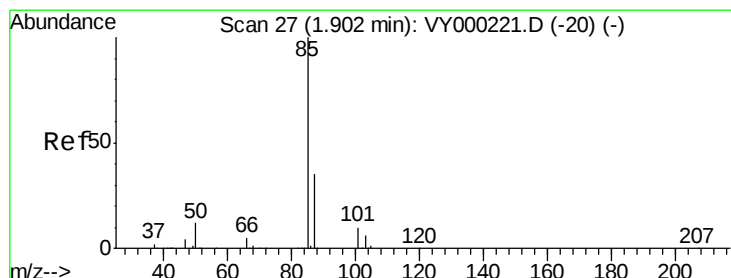
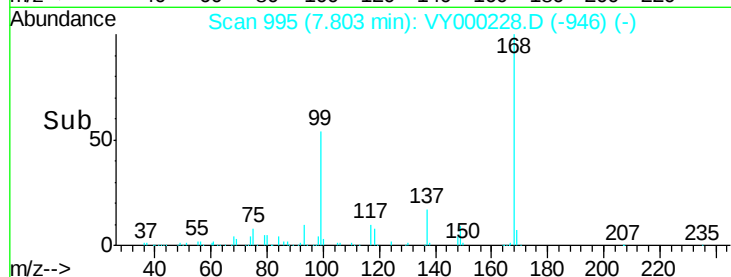
7.80

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.372 ug/l

RT: 1.90 min Scan# 27

Delta R.T. 0.00 min

Lab File: VY000228.D

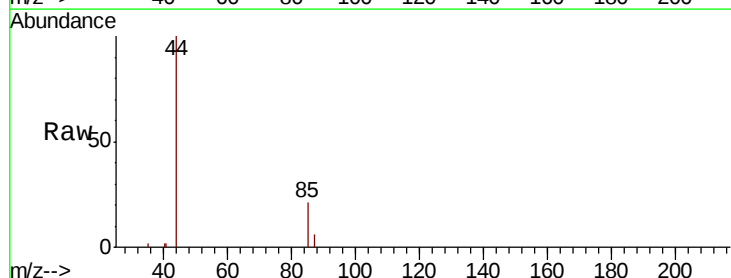
Acq: 08 Oct 2019 18:52

Tgt Ion: 85 Resp: 953

Ion Ratio Lower Upper

85 100

87 30.3 17.4 52.2



Abundance Ion 84.90 (84.60 to 85.60): VY000228.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VY000228.D (-1) (-)

1.90

800

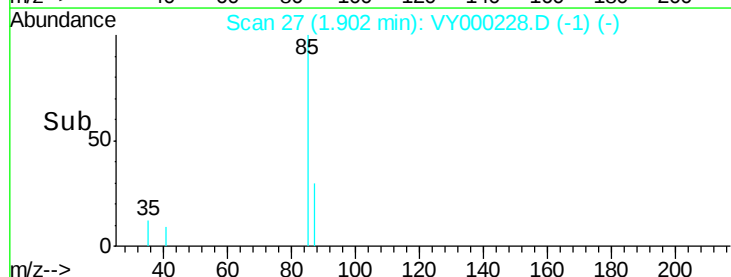
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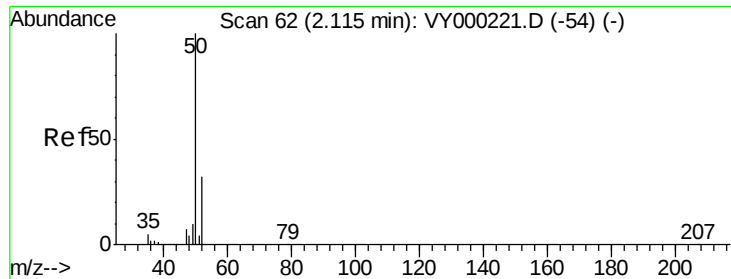
400

200

0

Time-->





#3

Chloromethane

Concen: 0.505 ug/l

RT: 2.11 min Scan# 61

Delta R.T. -0.01 min

Lab File: VY000228.D

Acq: 08 Oct 2019 18:52

Instrument :

MSVOA_Y

ClientSampleId :

0.5PPBMDL

Tot Ion: 50 Resp: 1762

Ion Ratio Lower Upper

50 100

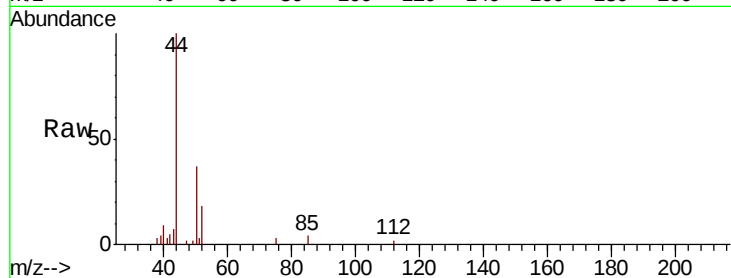
52 47.9 25.4 38.0#

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Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0

2.11

1200

1000

800

600

400

200

0

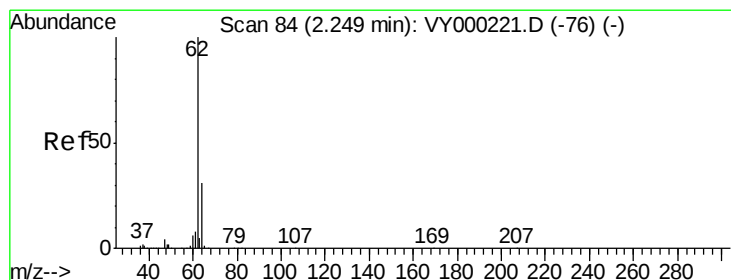
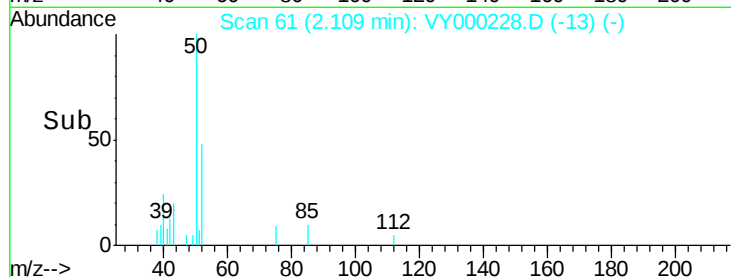
Time-->

2.05

2.10

2.15

2.20



#4

Vinyl Chloride

Concen: 0.470 ug/l

RT: 2.24 min Scan# 83

Delta R.T. -0.01 min

Lab File: VY000228.D

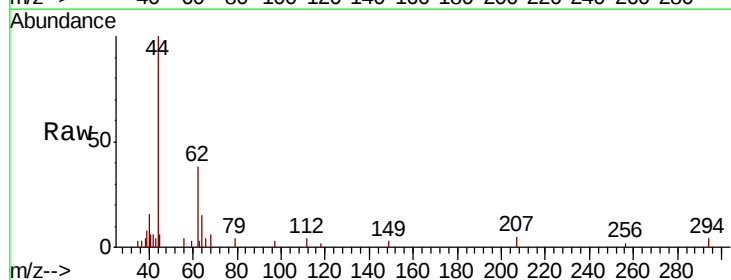
Acq: 08 Oct 2019 18:52

Tgt Ion: 62 Resp: 1694

Ion Ratio Lower Upper

62 100

64 40.1 25.0 37.6#



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0

1000

800

600

400

200

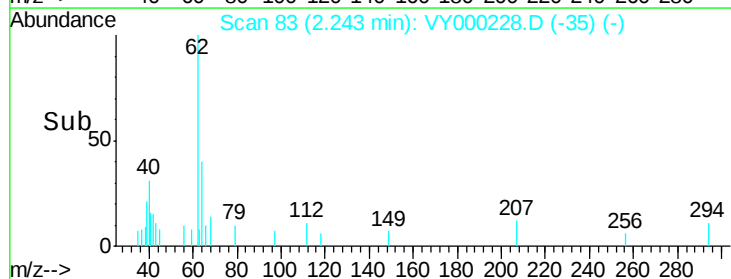
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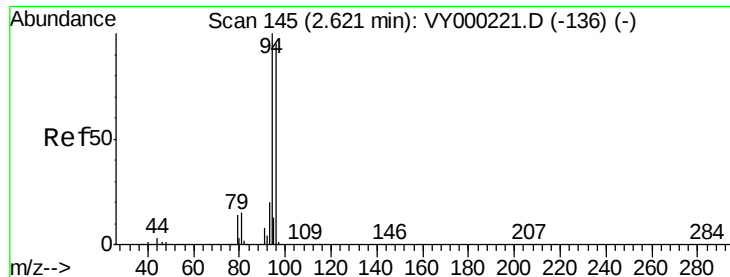
Time-->

2.20

2.25

2.30





#5

Bromomethane

Concen: 0.664 ug/l m

RT: 2.66 min Scan# 151

Delta R.T. 0.04 min

Lab File: VY000228.D

Acq: 08 Oct 2019 18:52

Instrument :

MSVOA_Y

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0.5PPBMDL

Tot Ion: 94 Resp: 1510

Ion Ratio Lower Upper

94 100

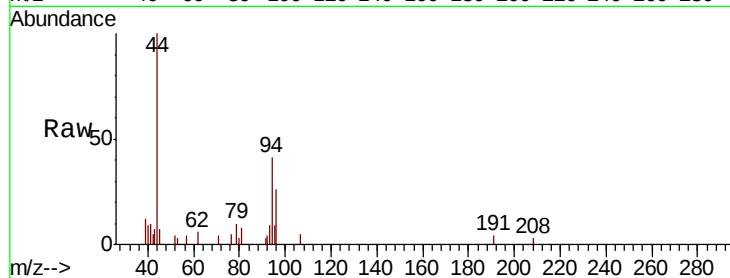
96 63.6 75.7 113.5#

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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

800

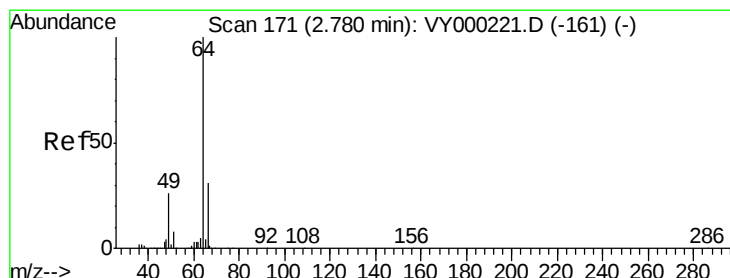
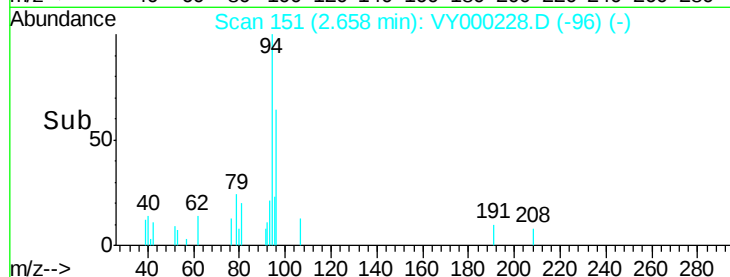
600

400

200

0

Time-->



#6

Chloroethane

Concen: 0.536 ug/l

RT: 2.80 min Scan# 175

Delta R.T. 0.02 min

Lab File: VY000228.D

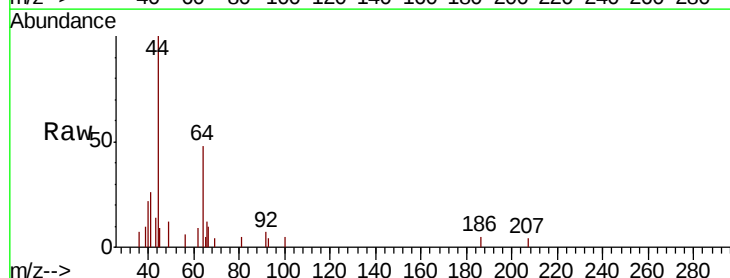
Acq: 08 Oct 2019 18:52

Tgt Ion: 64 Resp: 1219

Ion Ratio Lower Upper

64 100

66 45.2 24.5 36.7#



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0

2.80

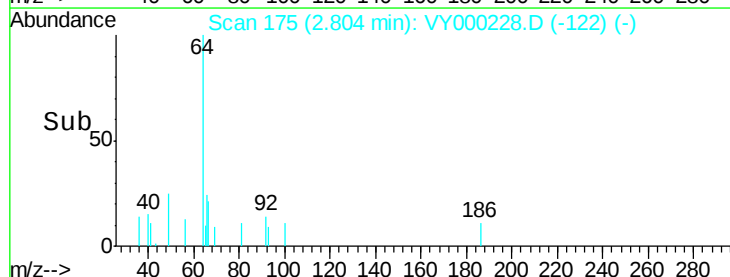
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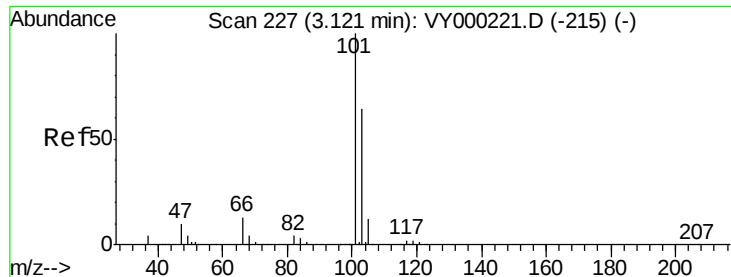
400

200

0

Time-->





#7

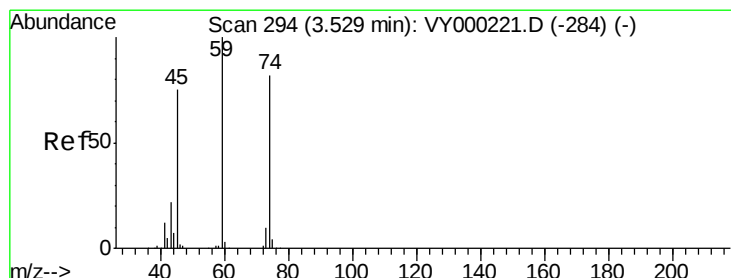
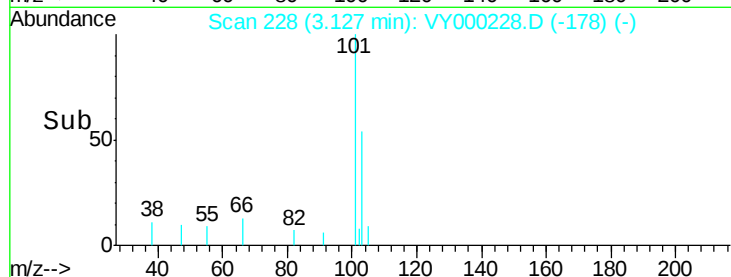
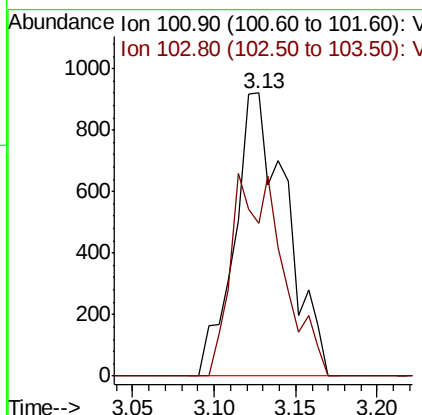
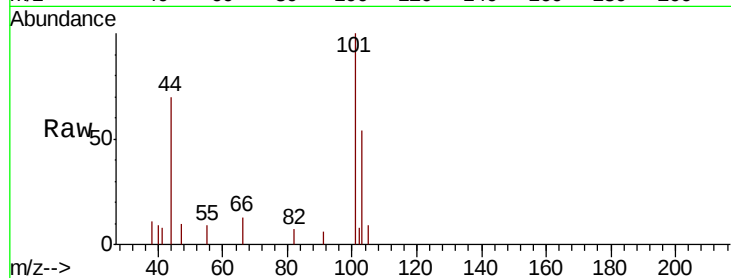
Trichlorofluoromethane
 Concen: 0.439 ug/l
 RT: 3.13 min Scan# 228
 Delta R.T. 0.01 min
 Lab File: VY000228.D
 Acq: 08 Oct 2019 18:52

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 ClientSampleId :
 0.5PPBMDL

Tot Ion	Ratio	Lower	Upper
101	100		
103	54.1	51.0	76.6

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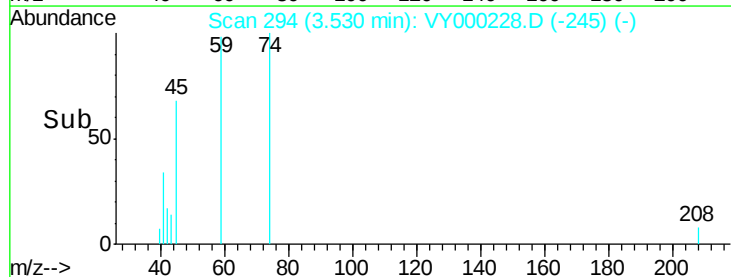
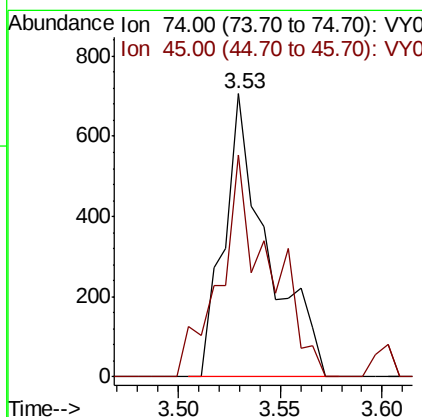
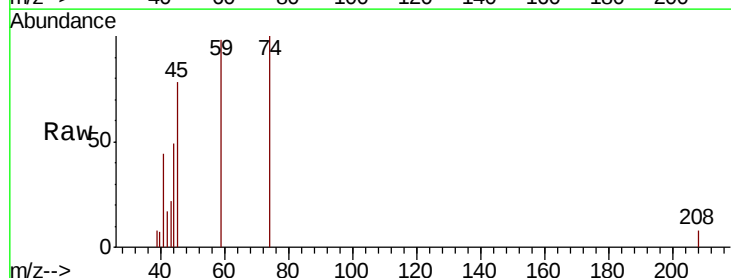
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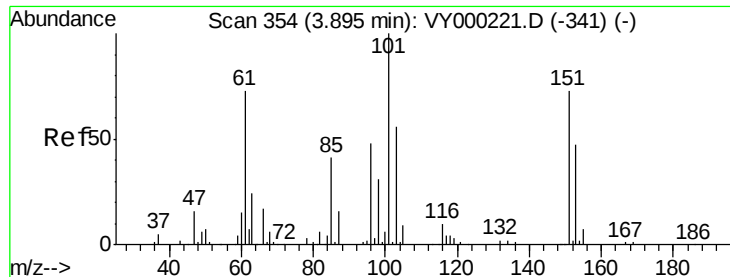


#8

Diethyl Ether
 Concen: 0.487 ug/l
 RT: 3.53 min Scan# 294
 Delta R.T. 0.00 min
 Lab File: VY000228.D
 Acq: 08 Oct 2019 18:52

Tgt Ion	Ratio	Lower	Upper
74	100		
45	88.7	45.8	137.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.577 ug/l

RT: 3.90 min Scan# 355

Delta R.T. 0.01 min

Lab File: VY000228.D

Acq: 08 Oct 2019 18:52

Instrument :

MSVOA_Y

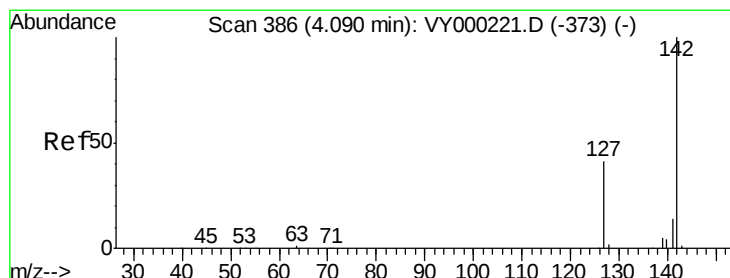
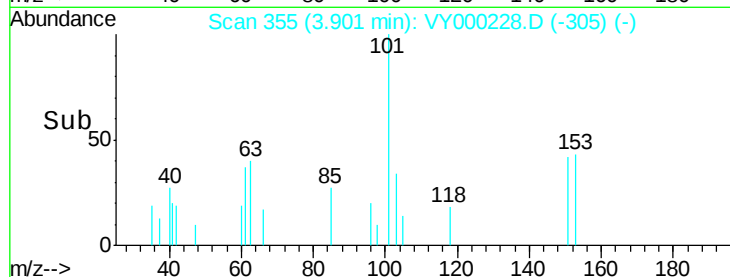
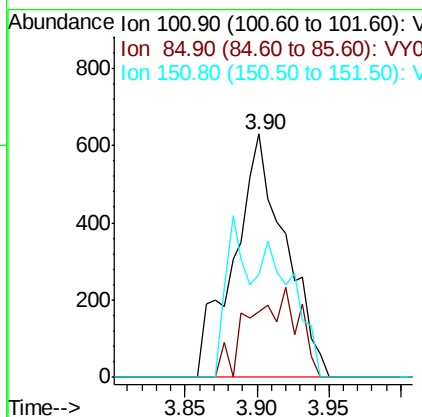
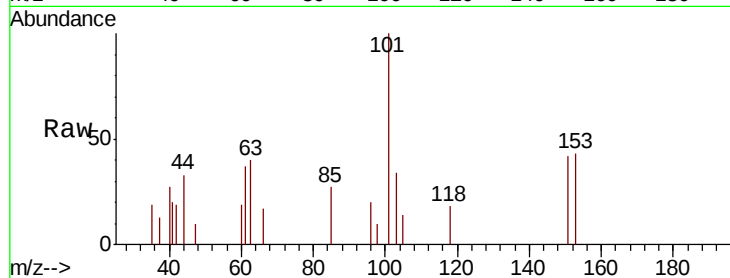
ClientSampleId :

0.5PPBMDL

Tot Ion:	101	Resp:	1567
Ion Ratio	Lower	Upper	
101	100		
85	21.3	37.0	55.6#
151	0.0	63.0	94.4#

Manual Integrations
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#10

Methyl Iodide

Concen: 0.209 ug/l m

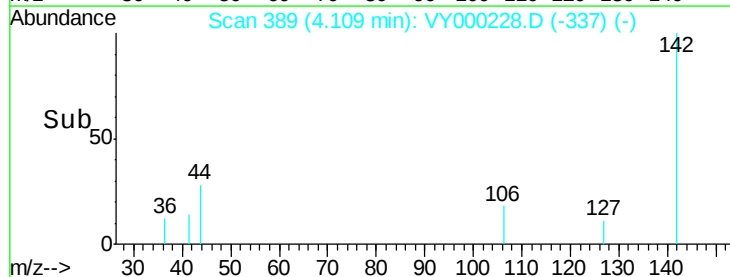
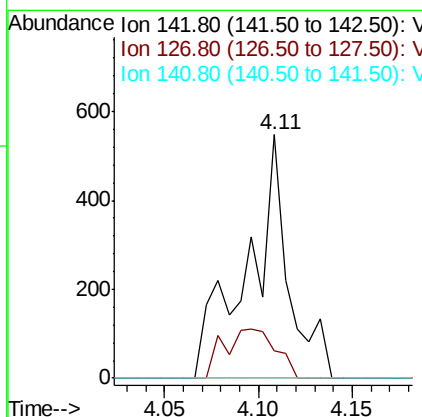
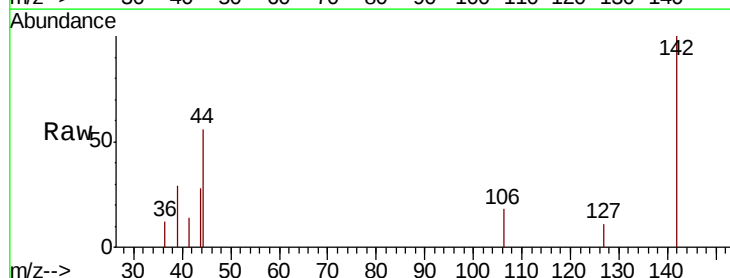
RT: 4.11 min Scan# 389

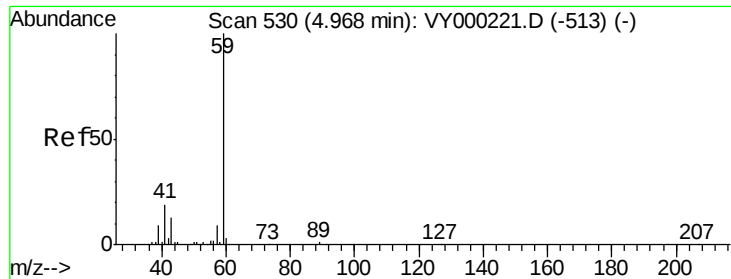
Delta R.T. 0.02 min

Lab File: VY000228.D

Acq: 08 Oct 2019 18:52

Tgt Ion:	142	Resp:	839
Ion Ratio	Lower	Upper	
142	100		
127	0.0	33.0	49.6#
141	0.0	11.0	16.4#





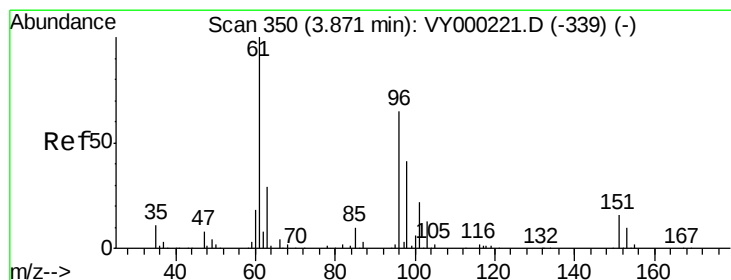
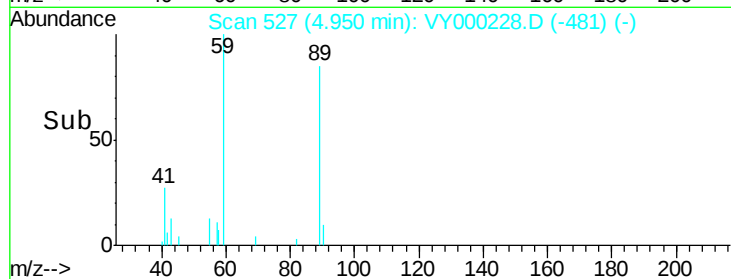
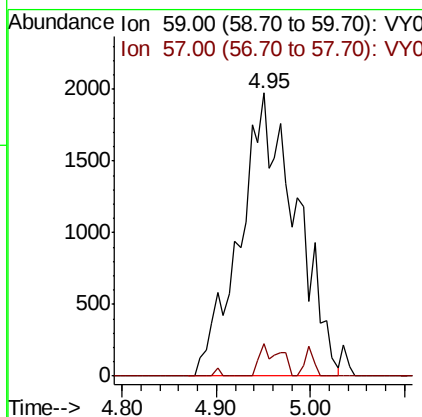
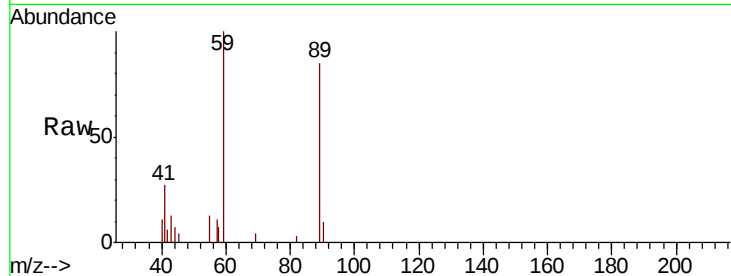
#11
Tert butyl alcohol
Concen: 4.583 ug/l
RT: 4.95 min Scan# 527
Delta R.T. -0.02 min
Lab File: VY000228.D
Acq: 08 Oct 2019 18:52

Instrument :
MSVOA_Y
ClientSampleId :
0.5PPBMDL

Tot Ion: 59 Resp: 8218
Ion Ratio Lower Upper
59 100
57 4.1 8.0 12.0#

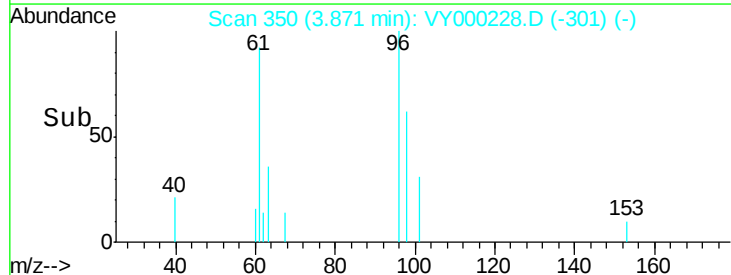
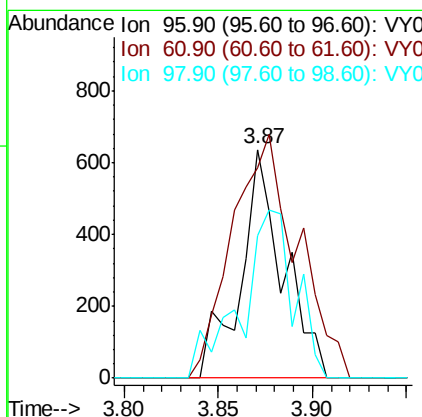
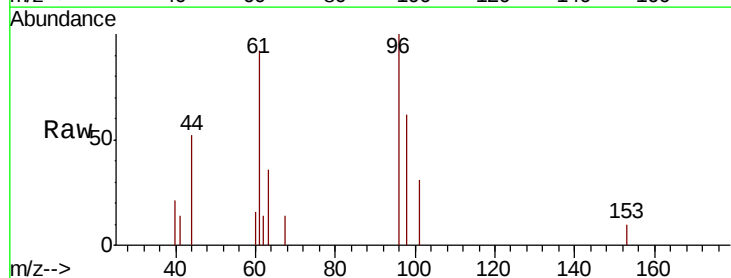
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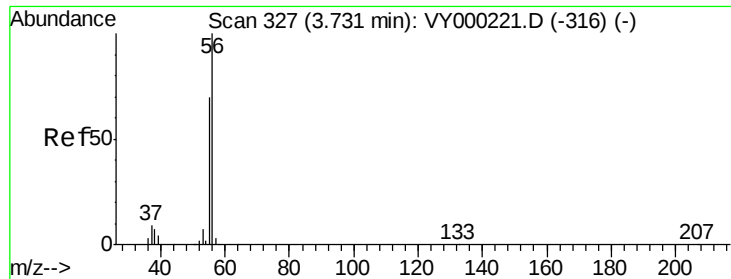
MMDadoda
10/10/2019 12:52:56 AM



#12
1,1-Dichloroethene
Concen: 0.355 ug/l
RT: 3.87 min Scan# 350
Delta R.T. 0.00 min
Lab File: VY000228.D
Acq: 08 Oct 2019 18:52

Tgt Ion: 96 Resp: 1001
Ion Ratio Lower Upper
96 100
61 92.0 123.8 185.8#
98 62.3 50.9 76.3





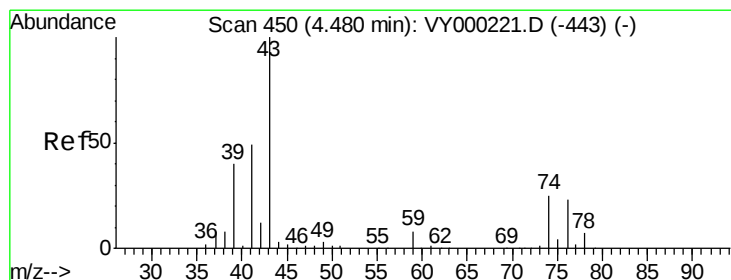
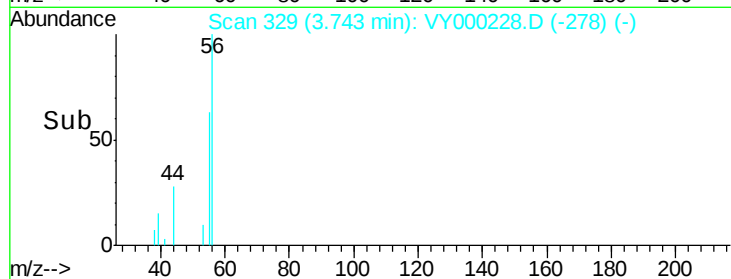
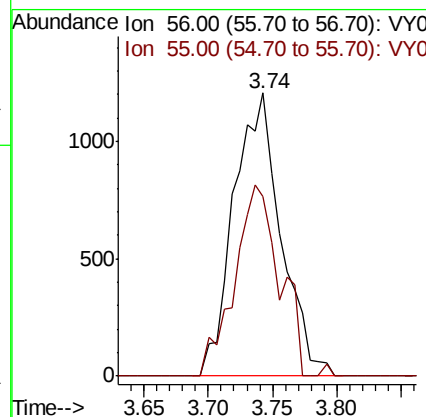
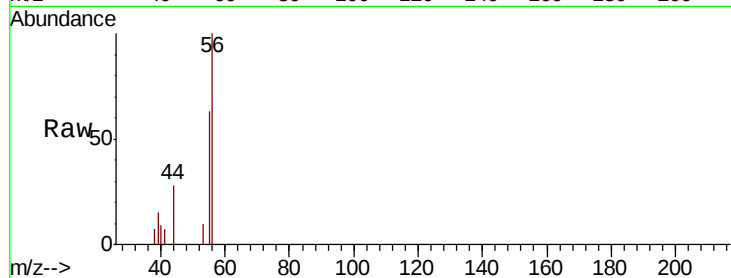
#13
Acrolein
Concen: 3.261 ug/l
RT: 3.74 min Scan# 329
Delta R.T. 0.01 min
Lab File: VY000228.D
Acq: 08 Oct 2019 18:52

Instrument :
MSVOA_Y
ClientSampleId :
0.5PPBMDL

Tot Ion	Ratio	Lower	Upper
56	100		
55	64.4	55.2	82.8

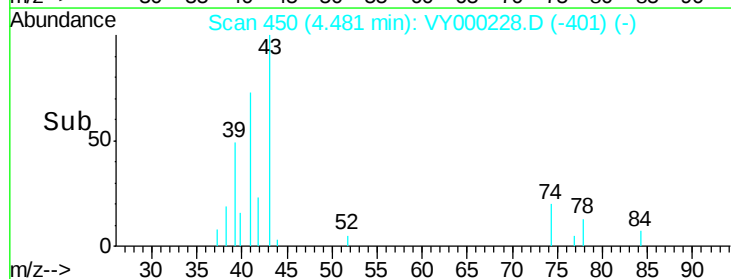
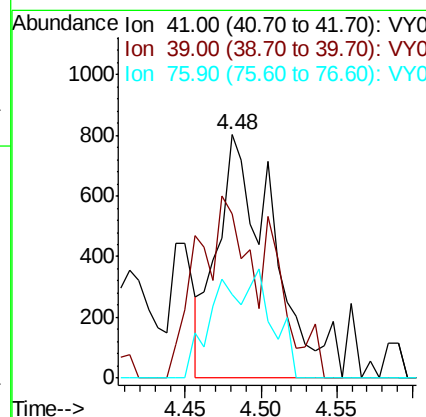
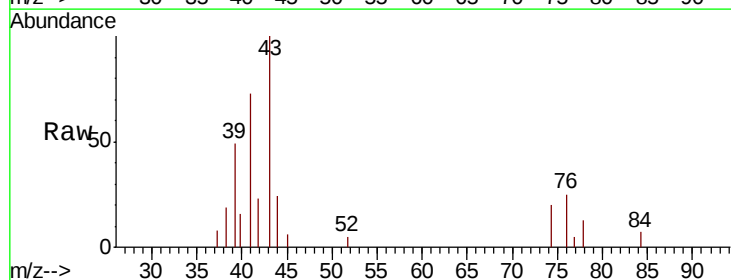
Manual Integrations
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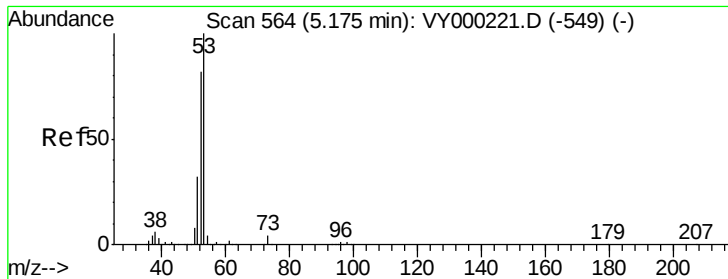
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#14
Allyl chloride
Concen: 0.433 ug/l m
RT: 4.48 min Scan# 450
Delta R.T. 0.00 min
Lab File: VY000228.D
Acq: 08 Oct 2019 18:52

Tgt Ion	Ratio	Lower	Upper
41	100		
39	66.6	56.4	84.6
76	23.8	30.8	46.2#





#15

Acrylonitrile

Concen: 2.279 ug/l

RT: 5.18 min Scan# 565

Delta R.T. 0.01 min

Lab File: VY000228.D

Acq: 08 Oct 2019 18:52

Instrument :

MSVOA_Y

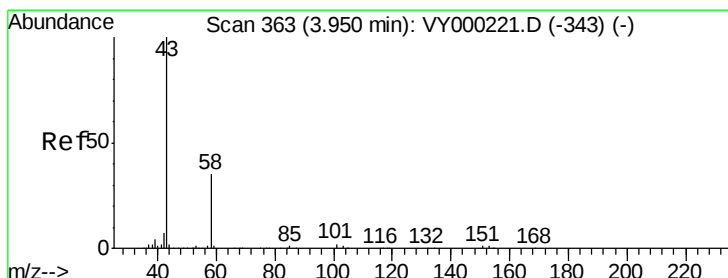
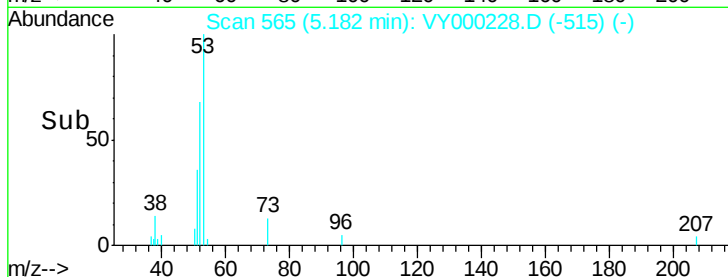
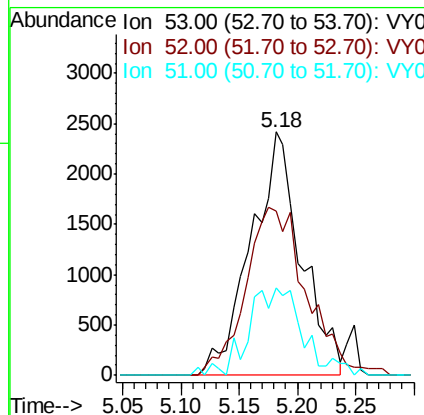
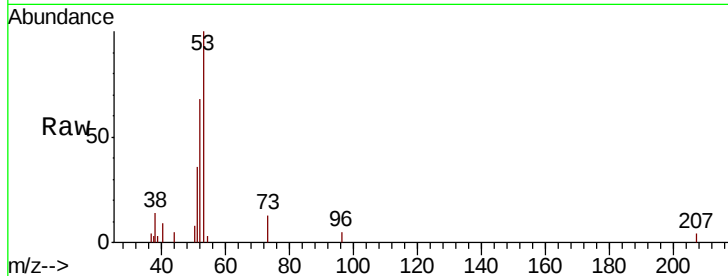
ClientSampleId :

0.5PPBMDL

Tot Ion:	53	Resp:	7212
Ion	Ratio	Lower	Upper
53	100		
52	83.7	65.4	98.2
51	17.5	27.2	40.8

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#16

Acetone

Concen: 2.818 ug/l

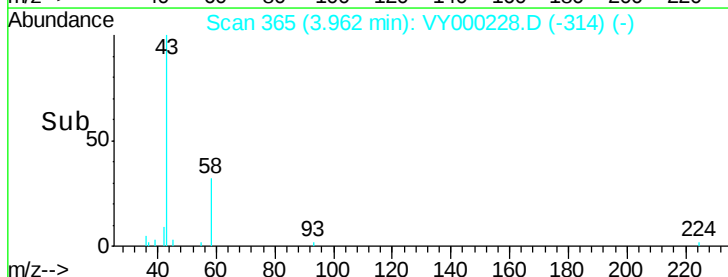
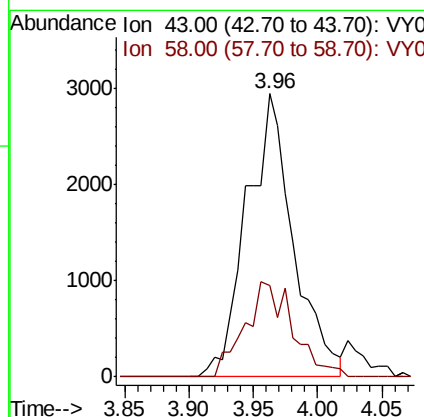
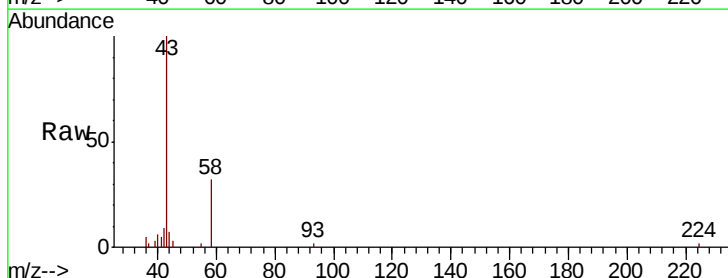
RT: 3.96 min Scan# 365

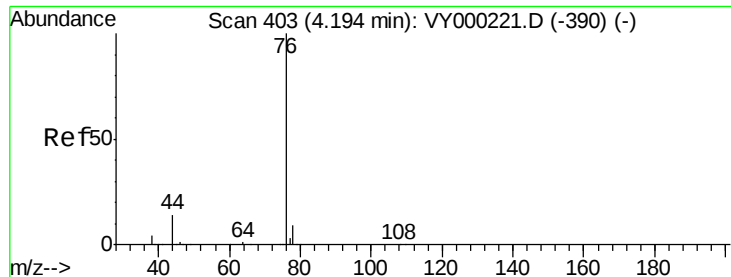
Delta R.T. 0.01 min

Lab File: VY000228.D

Acq: 08 Oct 2019 18:52

Tgt Ion:	43	Resp:	7365
Ion	Ratio	Lower	Upper
43	100		
58	32.2	28.2	42.4





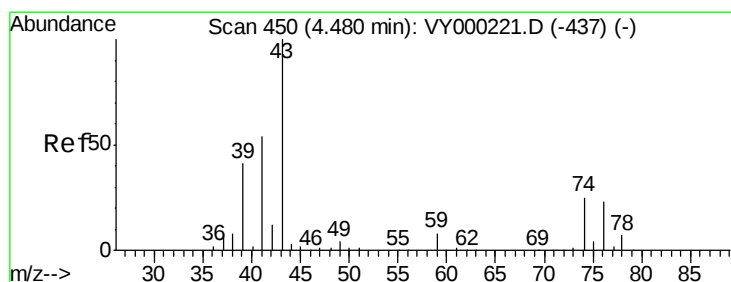
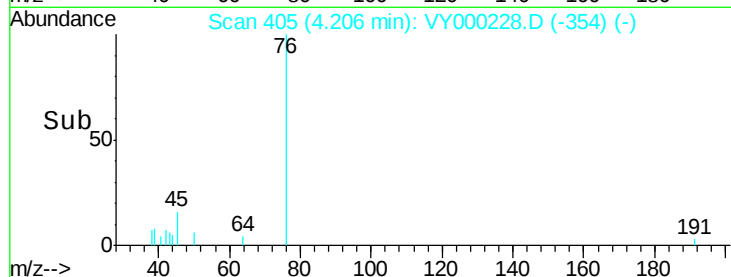
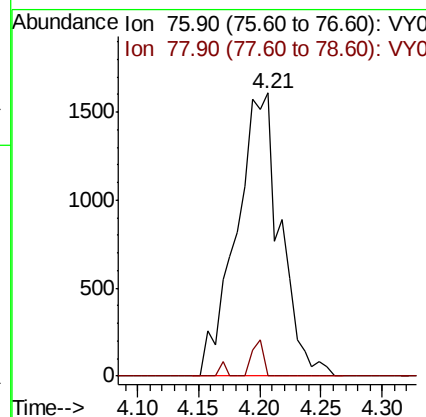
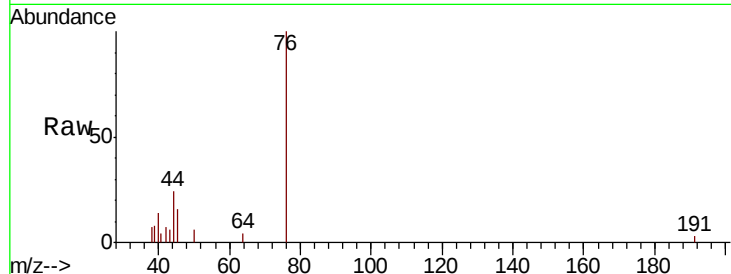
#17
Carbon Disulfide
Concen: 0.484 ug/l
RT: 4.21 min Scan# 405
Delta R.T. 0.01 min
Lab File: VY000228.D
Acq: 08 Oct 2019 18:52

Instrument :
MSVOA_Y
ClientSampleId :
0.5PPBMDL

Tot Ion: 76 Resp: 4025
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#

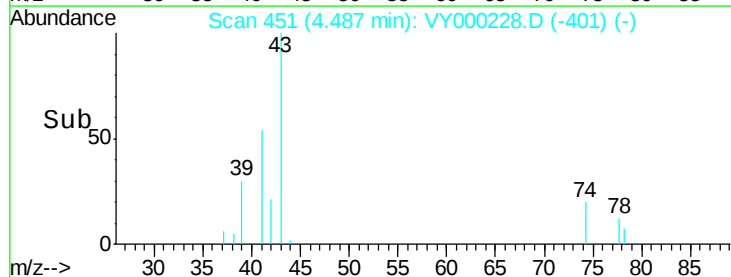
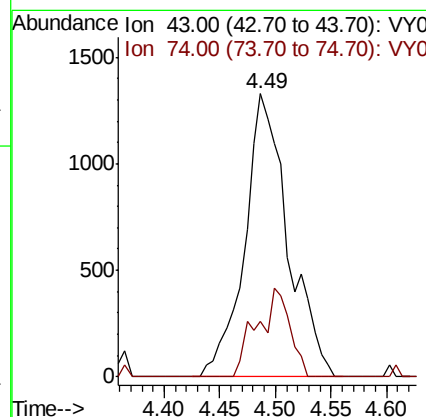
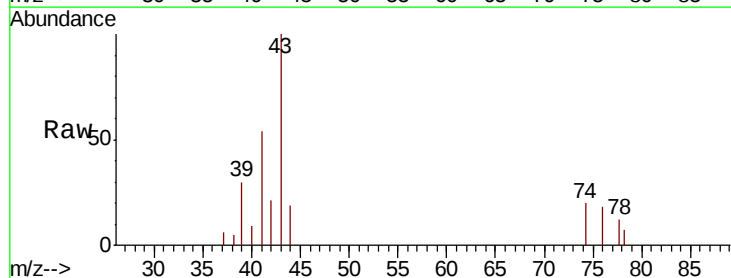
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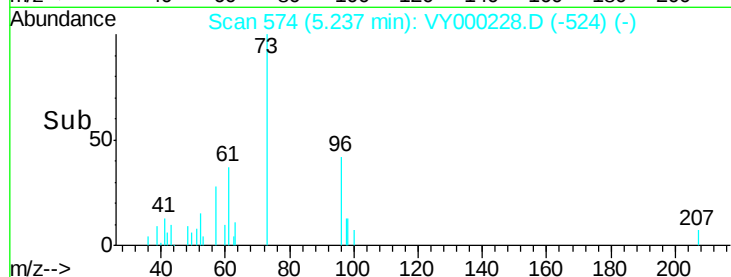
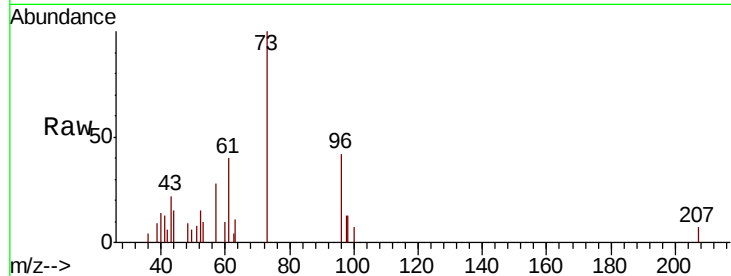
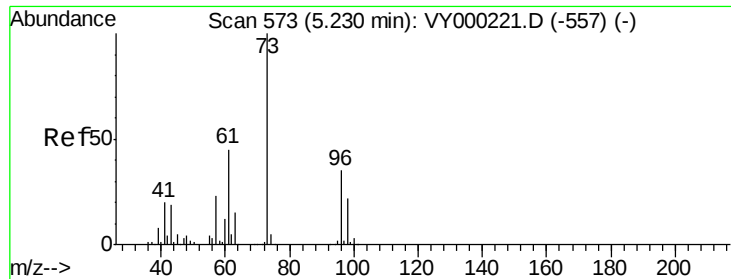
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#18
Methyl Acetate
Concen: 0.503 ug/l
RT: 4.49 min Scan# 451
Delta R.T. 0.01 min
Lab File: VY000228.D
Acq: 08 Oct 2019 18:52

Tgt Ion: 43 Resp: 3601
Ion Ratio Lower Upper
43 100
74 23.8 19.1 28.7





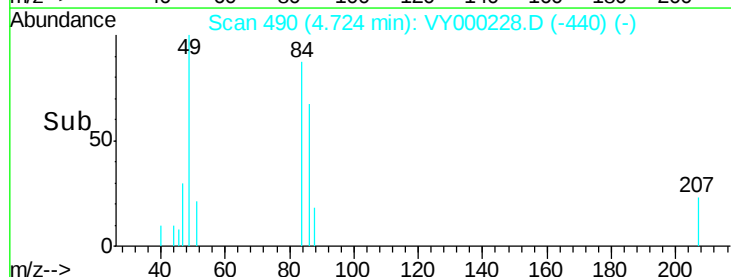
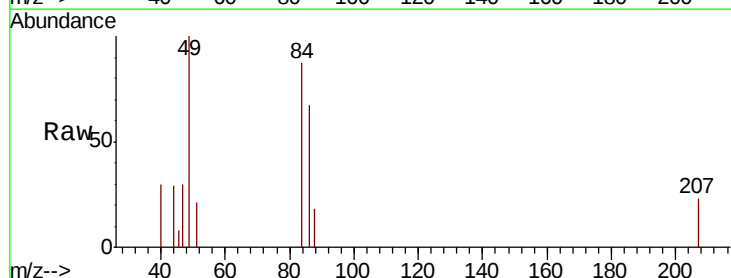
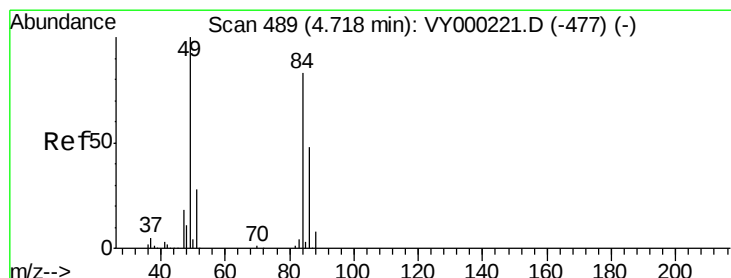
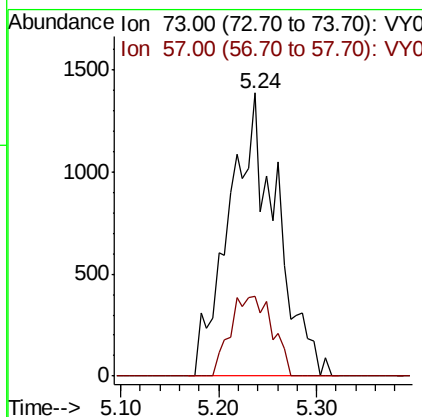
#19
Methvl tert-butvl Ether
Concen: 0.454 ug/l
RT: 5.24 min Scan# 574
Delta R.T. 0.01 min
Lab File: VY000228.D
Acq: 08 Oct 2019 18:52

Tot Ion: 73 Resp: 4690
Ion Ratio Lower Upper
73 100
57 28.3 18.4 27.6#

Instrument :
MSVOA_Y
ClientSampleId :
0.5PPBMDL

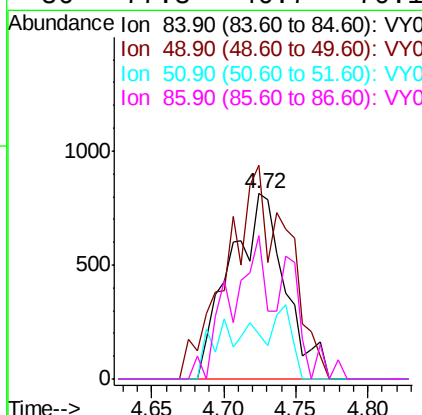
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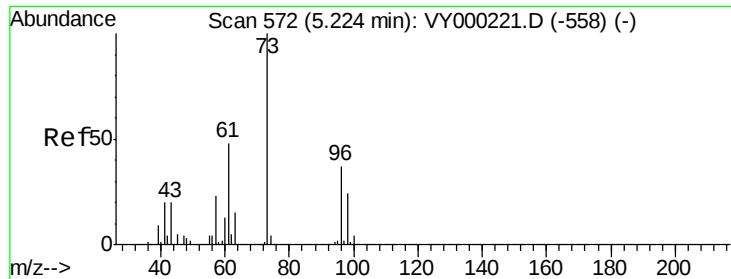
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10/10/2019 12:52:56 AM



#20
Methylene Chloride
Concen: 0.634 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.01 min
Lab File: VY000228.D
Acq: 08 Oct 2019 18:52

Tgt Ion: 84 Resp: 2176
Ion Ratio Lower Upper
84 100
49 115.1 96.2 144.2
51 24.1 26.6 39.8#
86 77.3 46.7 70.1#





#21

trans-1,2-Dichloroethene

Concen: 0.444 ug/l

RT: 5.24 min Scan# 574

Delta R.T. 0.01 min

Lab File: VY000228.D

Acq: 08 Oct 2019 18:52

Instrument :

MSVOA_Y

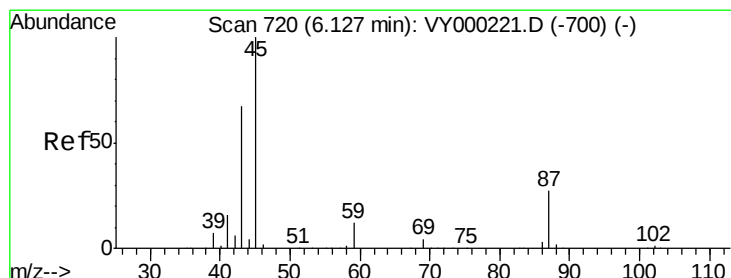
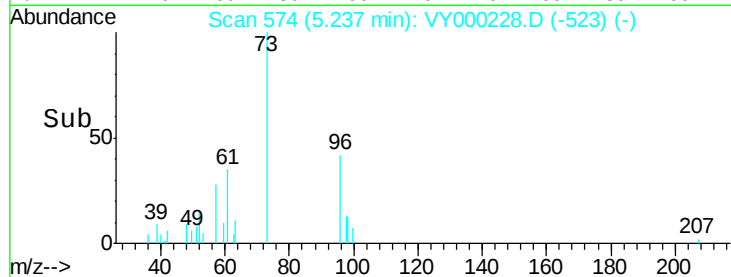
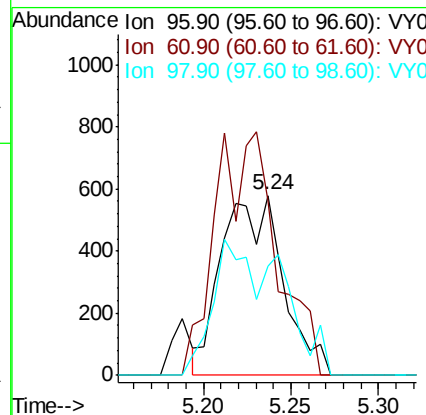
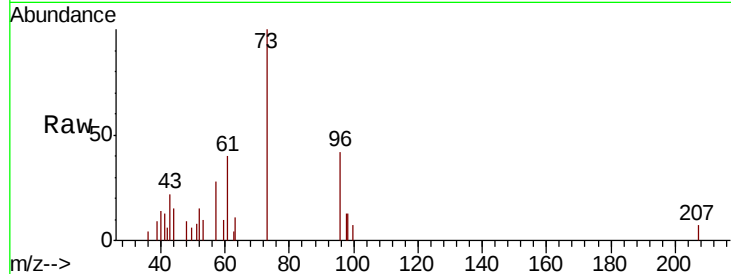
ClientSampleId :

0.5PPBMDL

Tot Ion:	96	Resp:	1408
Ion	Ratio	Lower	Upper
96	100		
61	96.7	104.2	156.2#
98	60.6	51.0	76.6

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#22

Diisopropyl ether

Concen: 0.468 ug/l

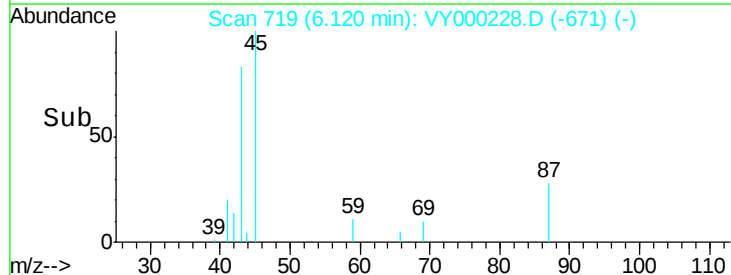
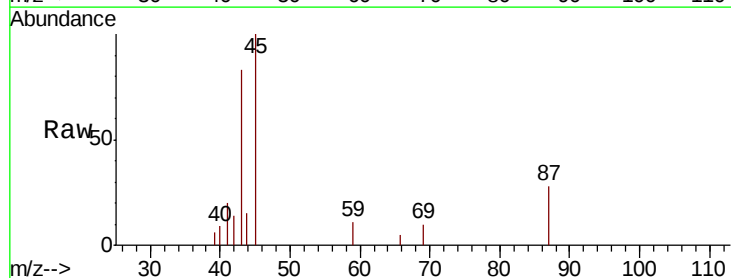
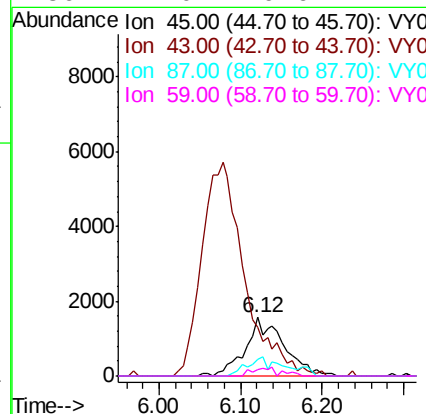
RT: 6.12 min Scan# 719

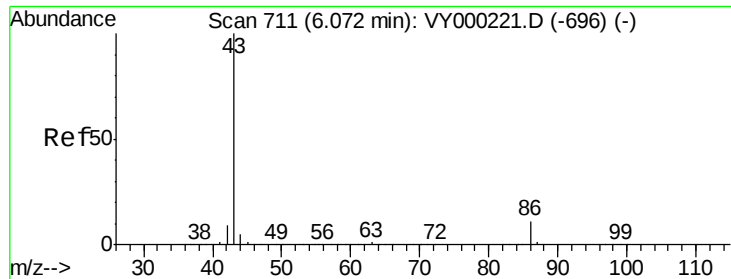
Delta R.T. -0.01 min

Lab File: VY000228.D

Acq: 08 Oct 2019 18:52

Tgt Ion:	45	Resp:	5160
Ion	Ratio	Lower	Upper
45	100		
43	83.0	53.4	80.2#
87	28.1	21.7	32.5
59	11.0	9.6	14.4





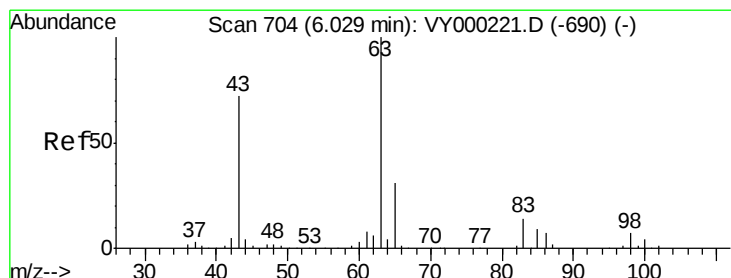
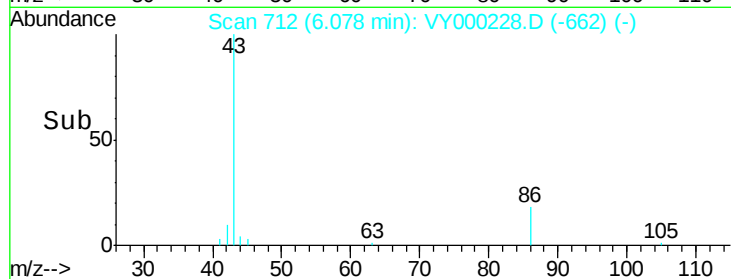
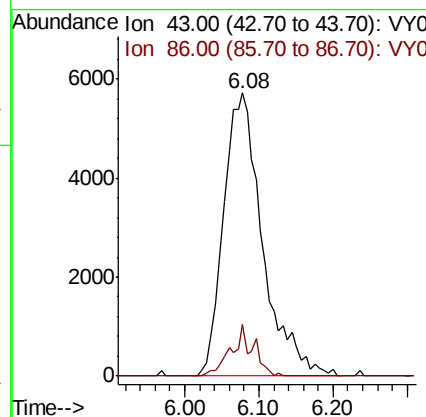
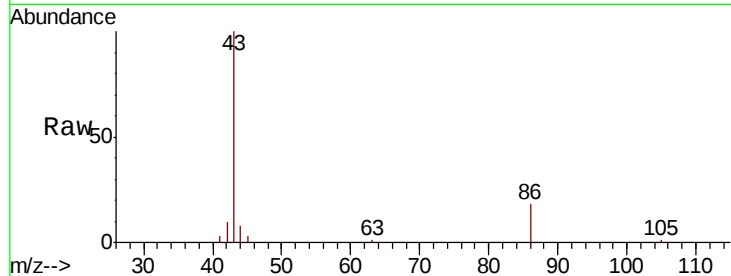
#23
 Vinyl Acetate
 Concen: 2.086 ug/l
 RT: 6.08 min Scan# 712
 Delta R.T. 0.01 min
 Lab File: VY000228.D
 Acq: 08 Oct 2019 18:52

Instrument :
 MSVOA_Y
 ClientSampleId :
 0.5PPBMDL

Tot Ion	43	Resp	20805
Ion Ratio	100	Lower	Upper
43	100		
86	18.1	8.5	12.7#

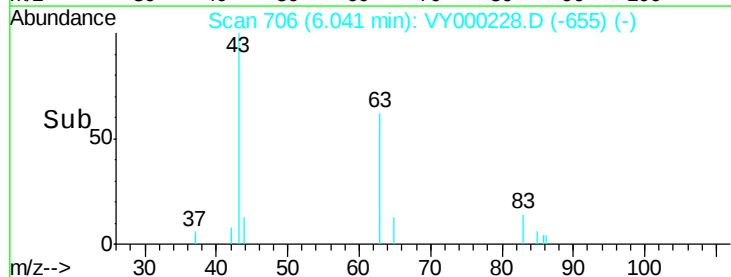
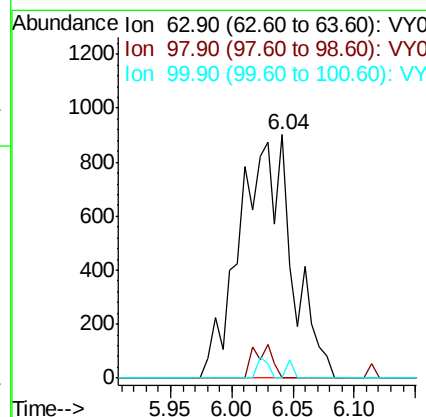
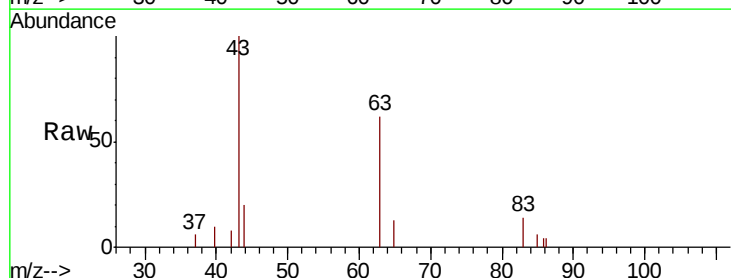
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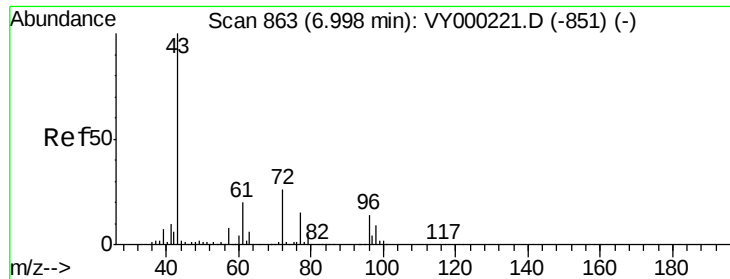
MMDadoda
 10/10/2019 12:52:56 AM



#24
 1,1-Dichloroethane
 Concen: 0.470 ug/l
 RT: 6.04 min Scan# 706
 Delta R.T. 0.01 min
 Lab File: VY000228.D
 Acq: 08 Oct 2019 18:52

Tgt Ion	63	Resp	2642
Ion Ratio	100	Lower	Upper
63	100		
98	0.0	3.5	10.6#
100	0.0	2.1	6.5#





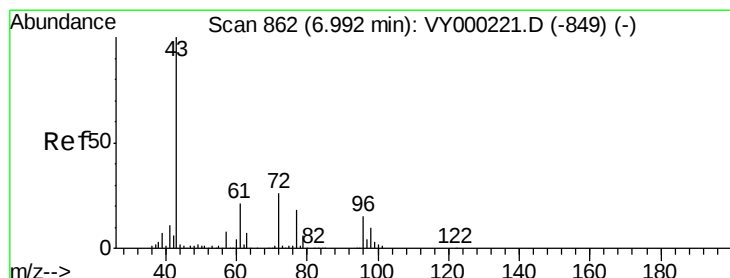
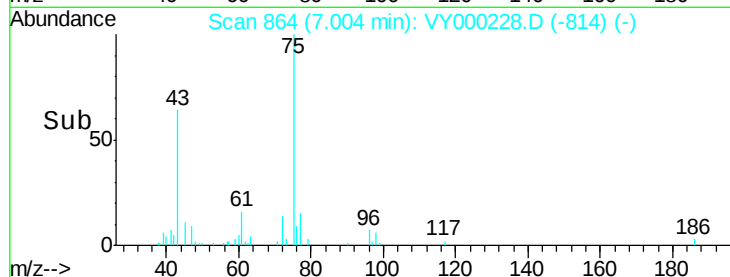
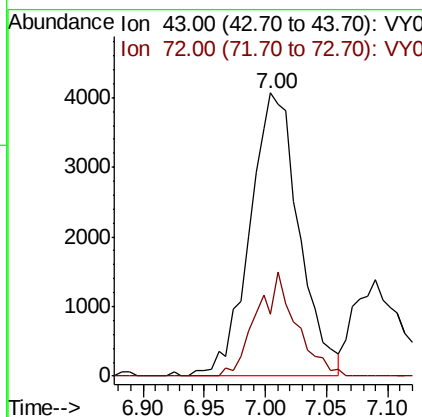
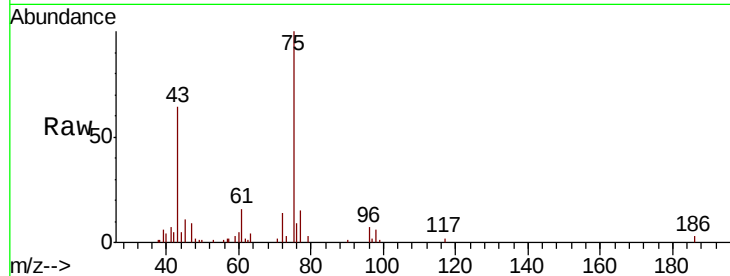
#25
2-Butanone
Concen: 2.355 ug/l
RT: 7.00 min Scan# 864
Delta R.T. 0.01 min
Lab File: VY000228.D
Acq: 08 Oct 2019 18:52

Instrument :
MSVOA_Y
ClientSampleId :
0.5PPBMDL

Tot Ion	43	Resp	11390
Ion Ratio	100	Lower	Upper
72	21.8	20.6	31.0

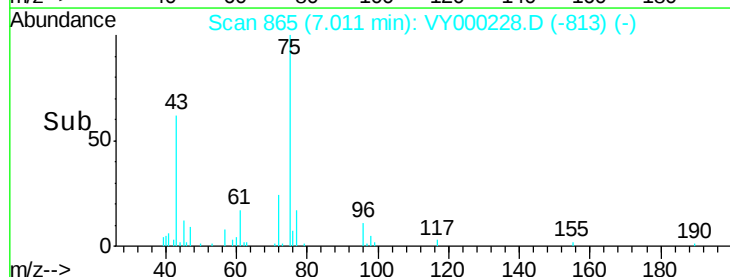
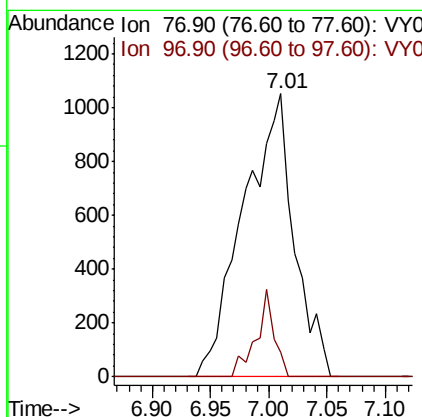
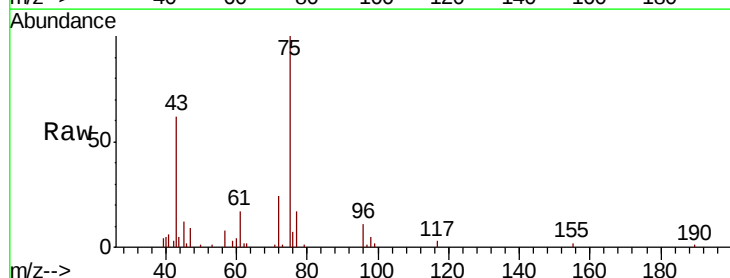
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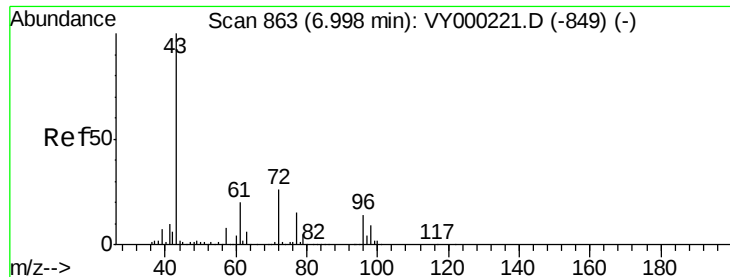
MMDadoda
10/10/2019 12:52:56 AM



#26
2,2-Dichloropropane
Concen: 0.626 ug/l
RT: 7.01 min Scan# 865
Delta R.T. 0.02 min
Lab File: VY000228.D
Acq: 08 Oct 2019 18:52

Tgt Ion	77	Resp	3177
Ion Ratio	100	Lower	Upper
97	11.1	11.7	35.0#





#27

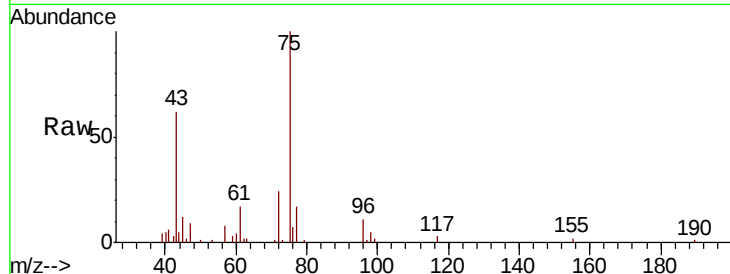
cis-1,2-Dichloroethene
Concen: 0.423 ug/l
RT: 7.01 min Scan# 865
Delta R.T. 0.01 min
Lab File: VY000228.D
Acq: 08 Oct 2019 18:52

Instrument :
MSVOA_Y
ClientSampleId :
0.5PPBMDL

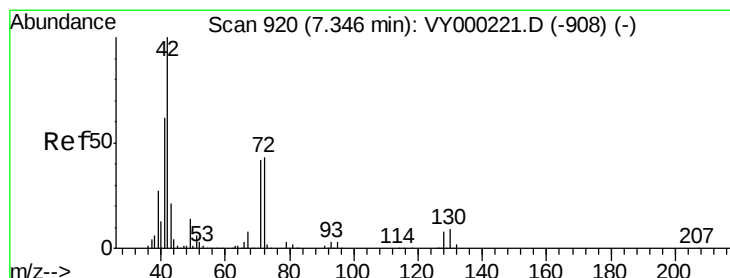
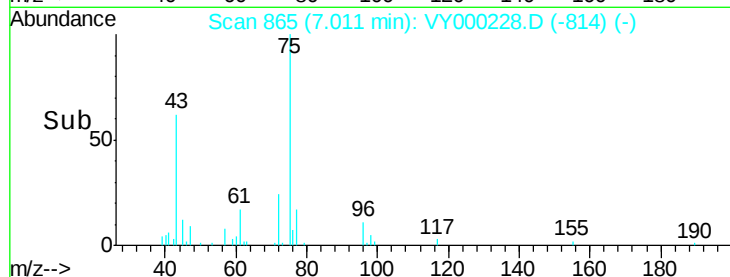
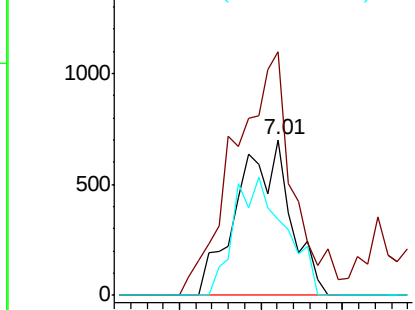
Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	174.7	0.0	282.6	
98	73.2	0.0	129.8	

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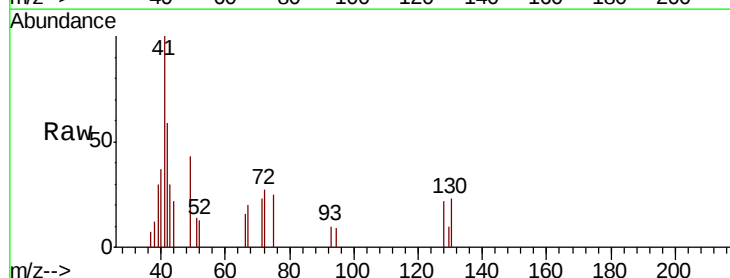
Abundance Ion 95.90 (95.60 to 96.60): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 97.90 (97.60 to 98.60): VY0



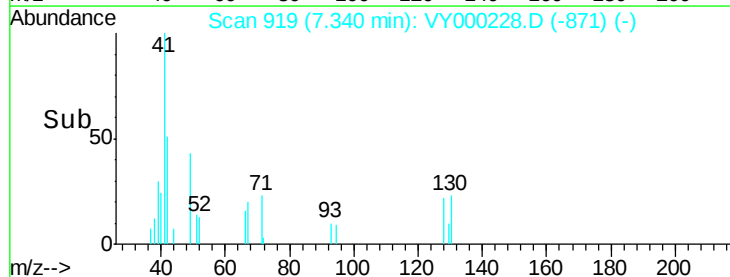
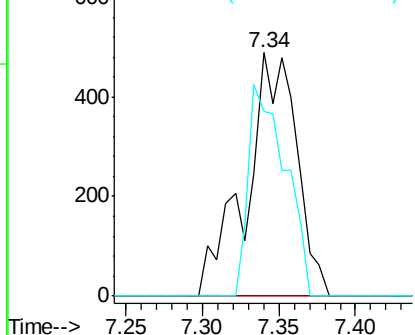
#28

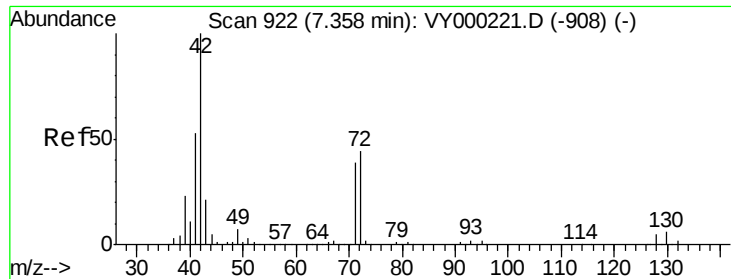
Bromochloromethane
Concen: 0.606 ug/l
RT: 7.34 min Scan# 919
Delta R.T. -0.01 min
Lab File: VY000228.D
Acq: 08 Oct 2019 18:52

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	0.0	0.0	3.2	
130	63.7	56.5	84.7	



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





#29

Tetrahydrofuran

Concen: 2.070 ug/l

RT: 7.37 min Scan# 924

Delta R.T. 0.01 min

Lab File: VY000228.D

Acq: 08 Oct 2019 18:52

Instrument :

MSVOA_Y

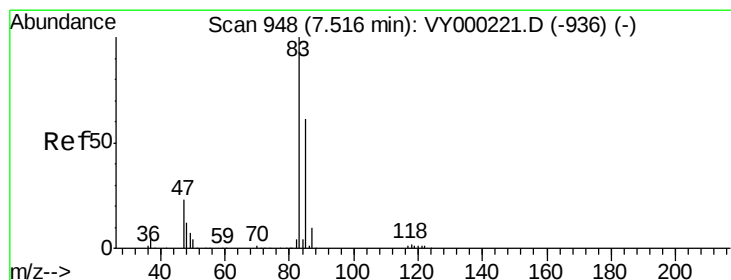
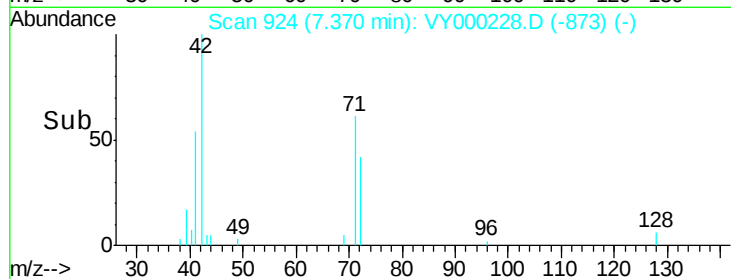
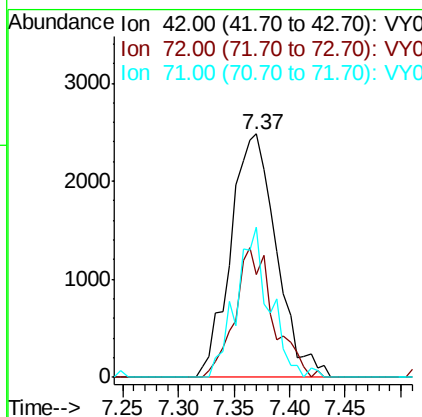
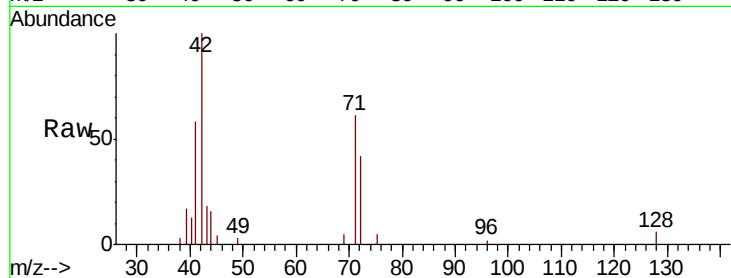
ClientSampleId :

0.5PPBMDL

Tot Ion:	42	Resp:	7068
Ion	Ratio	Lower	Upper
42	100		
72	44.7	34.6	51.8
71	44.7	31.9	47.9

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#30

Chloroform

Concen: 0.612 ug/l

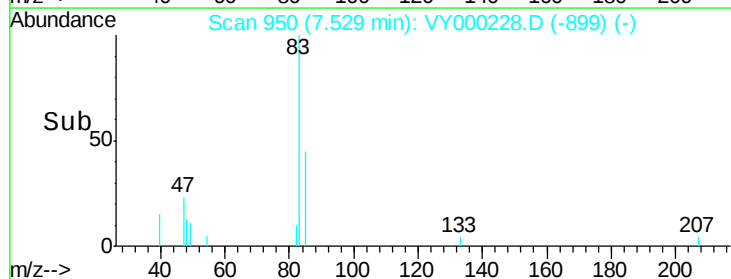
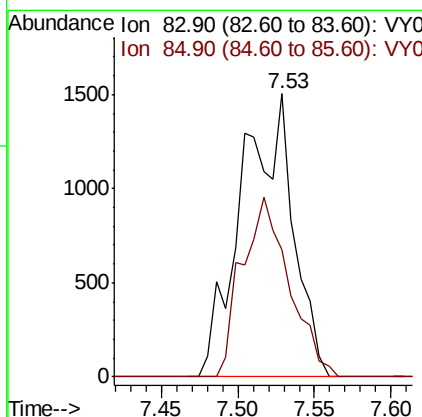
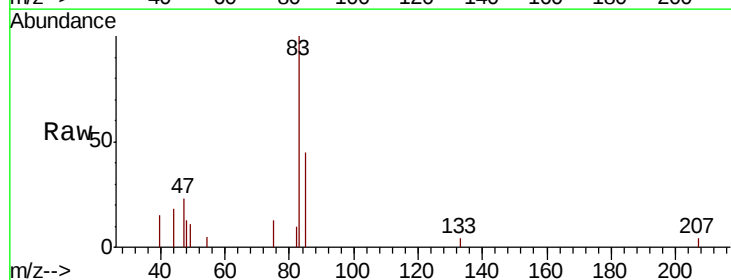
RT: 7.53 min Scan# 950

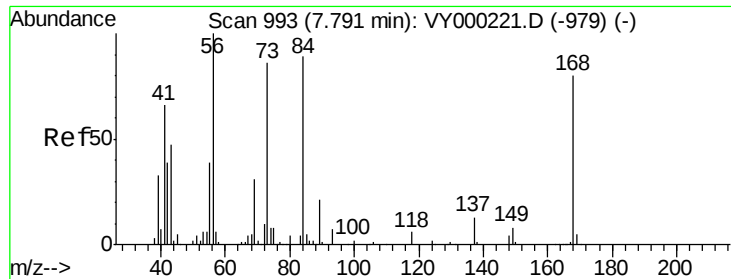
Delta R.T. 0.01 min

Lab File: VY000228.D

Acq: 08 Oct 2019 18:52

Tgt Ion:	83	Resp:	3566
Ion	Ratio	Lower	Upper
83	100		
85	45.1	48.9	73.3#





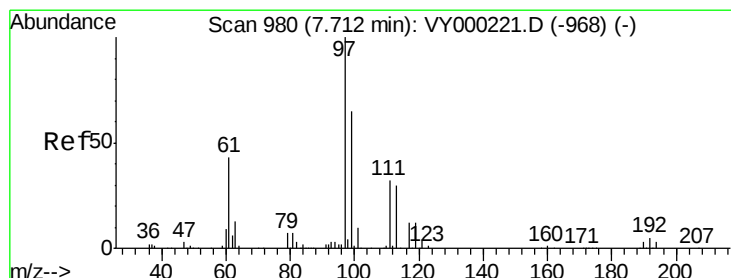
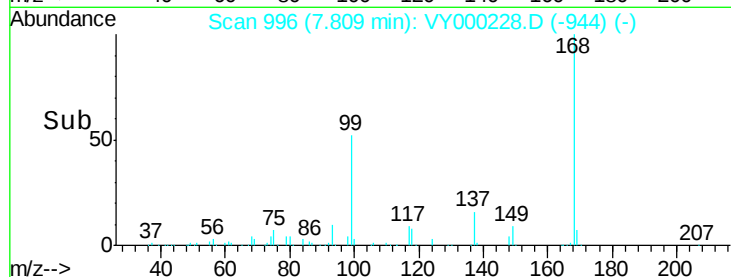
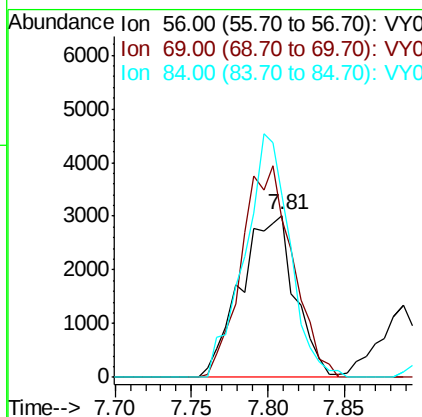
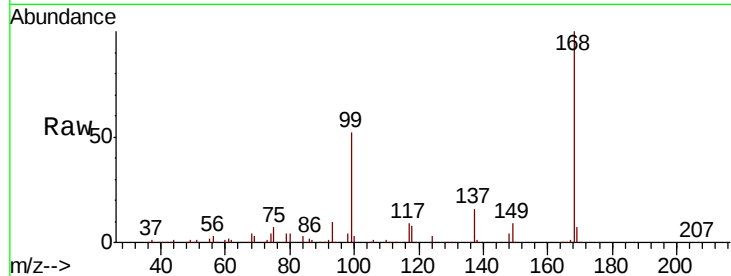
#31
Cyclohexane
Concen: 1.320 ug/l
RT: 7.81 min Scan# 996
Delta R.T. 0.02 min
Lab File: VY000228.D
Acq: 08 Oct 2019 18:52

Instrument :
MSVOA_Y
ClientSampleId :
0.5PPBMDL

Tot Ion	Ratio	Lower	Upper
56	100		
69	97.3	24.7	37.1#
84	112.3	71.3	106.9#

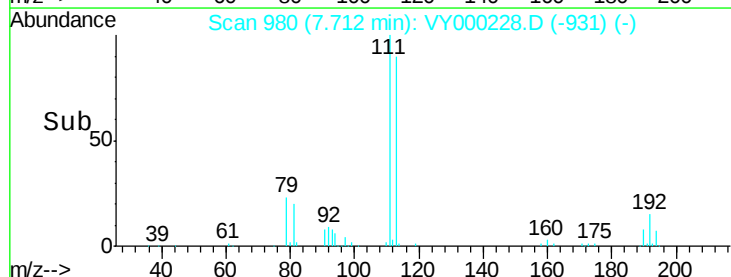
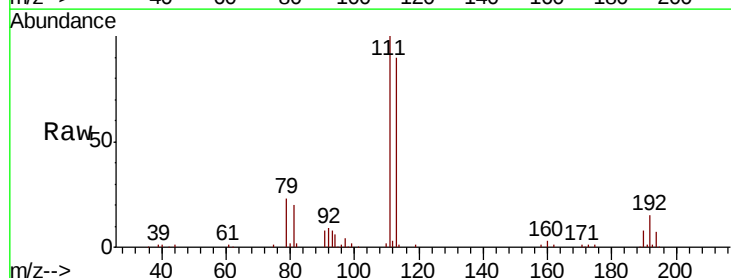
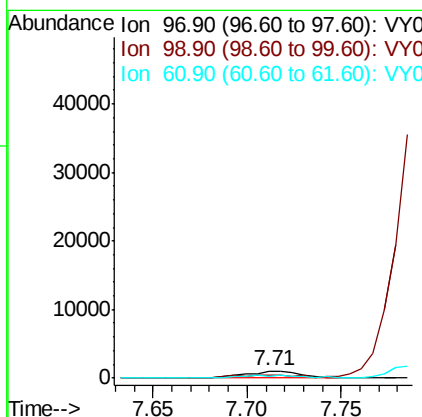
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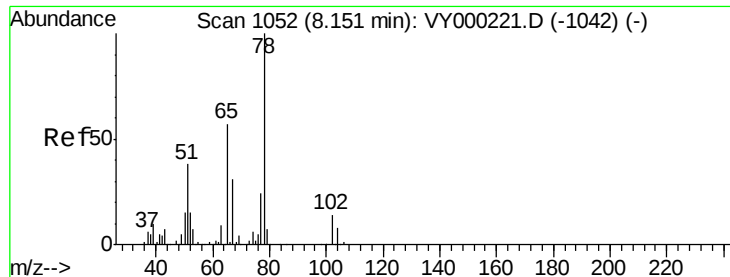
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#32
1,1,1-Trichloroethane
Concen: 0.435 ug/l
RT: 7.71 min Scan# 980
Delta R.T. 0.00 min
Lab File: VY000228.D
Acq: 08 Oct 2019 18:52

Tgt Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.4	77.2#
61	41.3	34.2	51.4





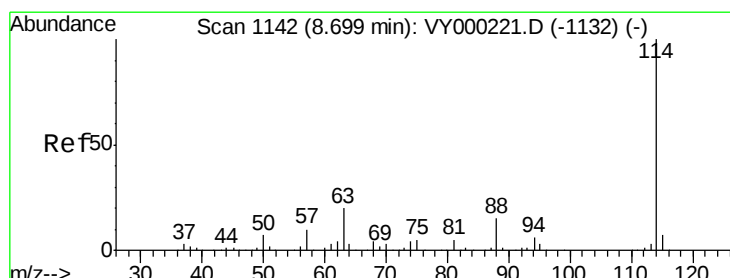
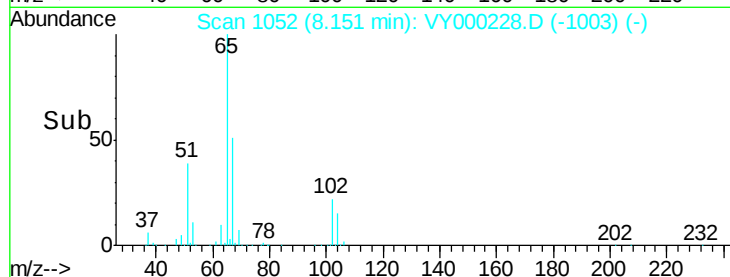
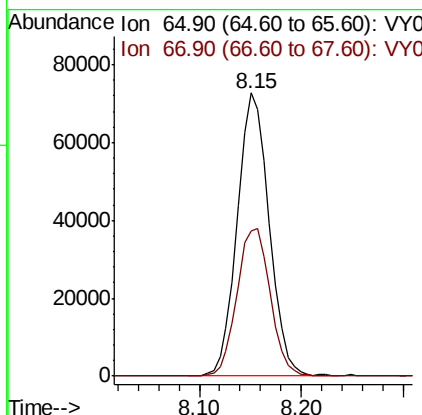
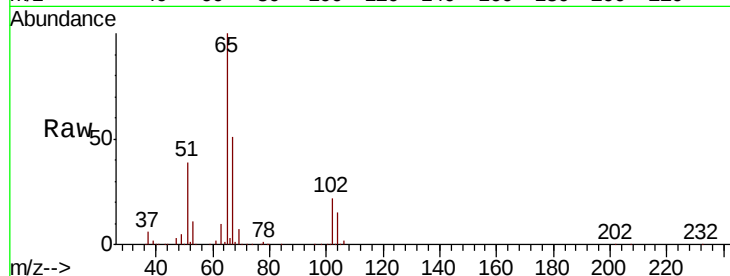
#33
 1,2-Dichloroethane-d4
 Concen: 47.839 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VY000228.D
 Acq: 08 Oct 2019 18:52

Instrument :
 MSVOA_Y
 ClientSampleId :
 0.5PPBMDL

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.3	0.0	109.0

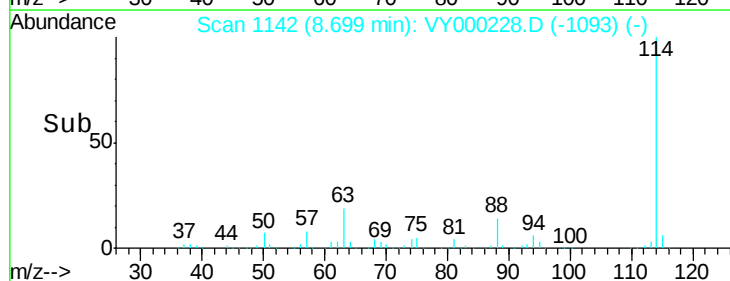
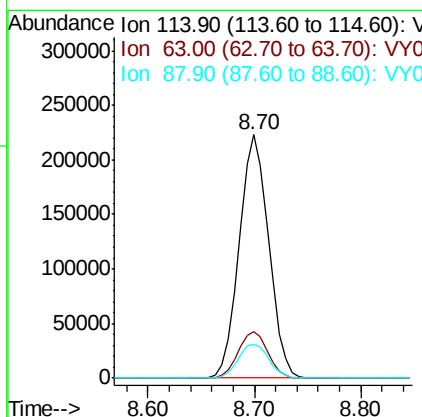
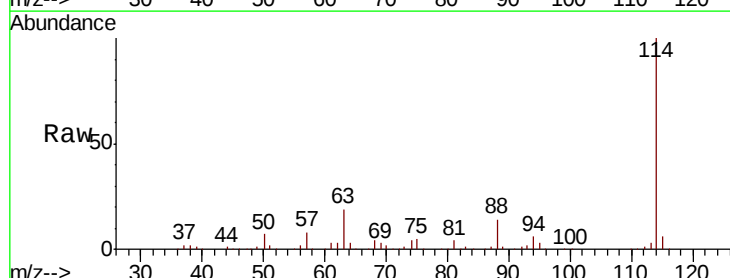
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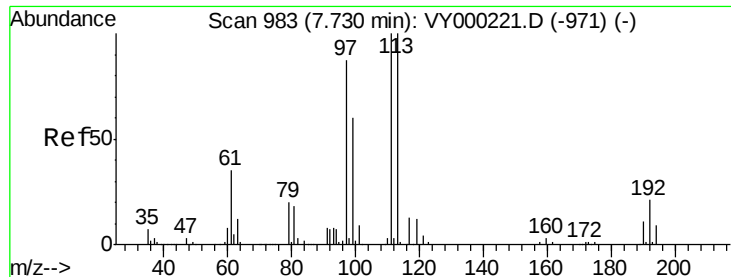
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. 0.00 min
 Lab File: VY000228.D
 Acq: 08 Oct 2019 18:52

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.3	0.0	39.0
88	13.9	0.0	30.6





#35

Dibromofluoromethane

Concen: 46.019 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.01 min

Lab File: VY000228.D

Acq: 08 Oct 2019 18:52

Instrument :

MSVOA_Y

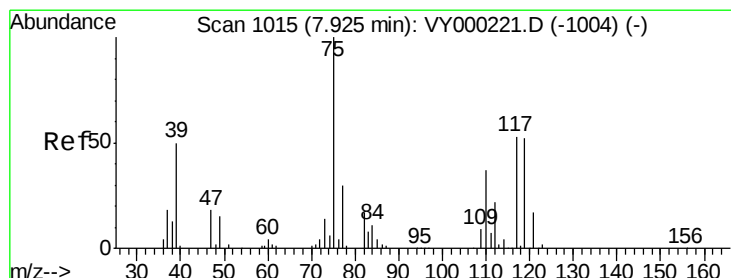
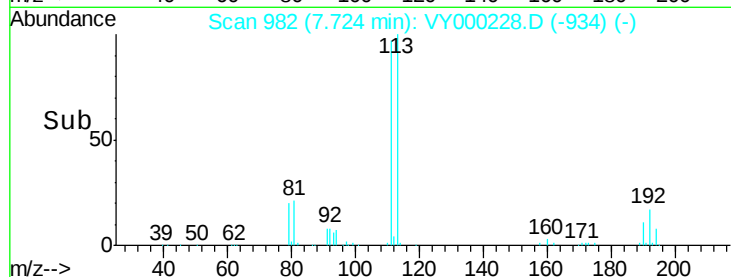
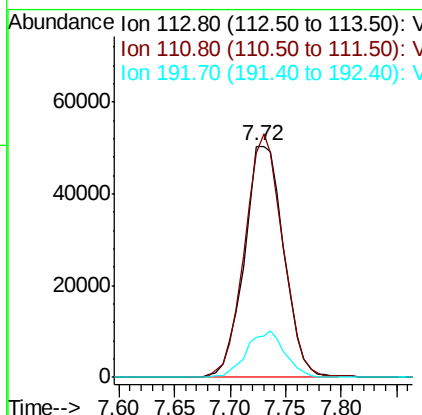
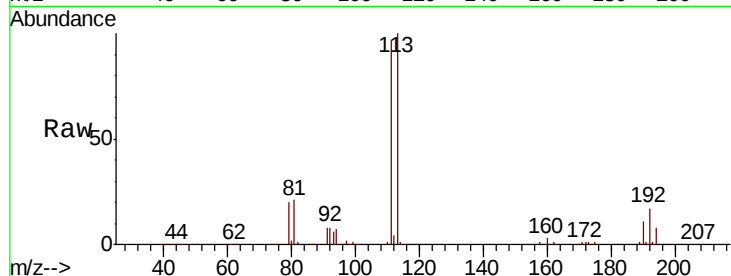
ClientSampleId :

0.5PPBMDL

Tot Ion:	113	Resp:	124506
Ion Ratio	Lower	Upper	
113	100		
111	101.5	82.6	124.0
192	19.3	15.8	23.8

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#36

1,1-Dichloropropene

Concen: 0.477 ug/l

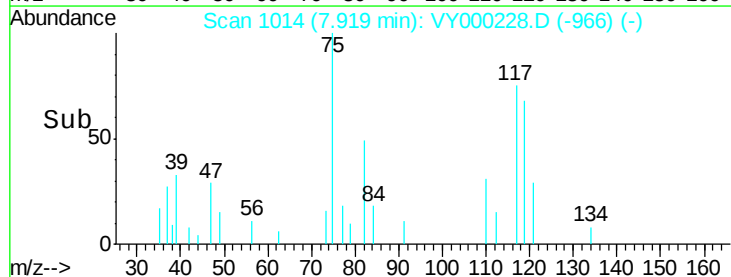
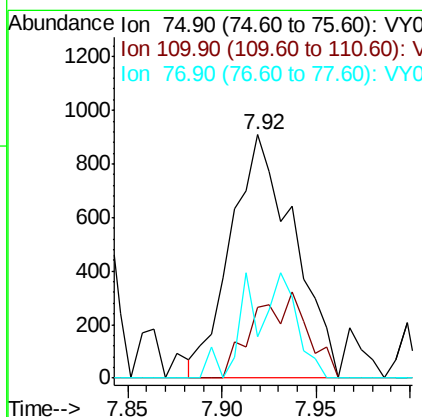
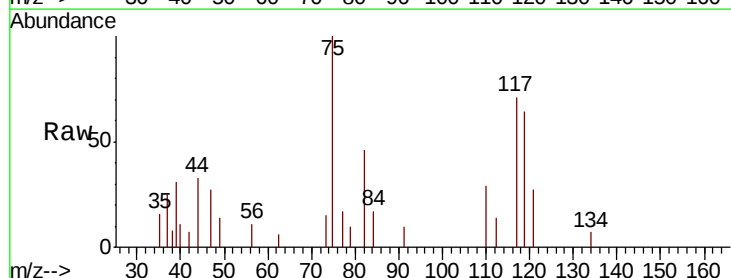
RT: 7.92 min Scan# 1014

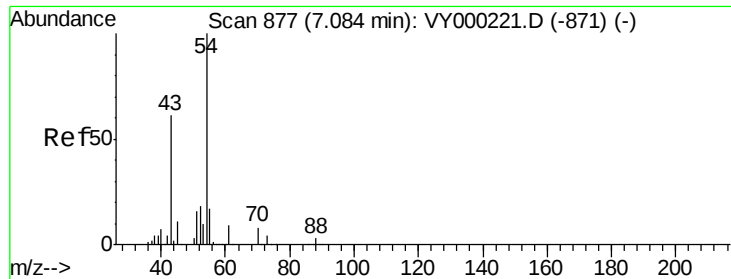
Delta R.T. -0.01 min

Lab File: VY000228.D

Acq: 08 Oct 2019 18:52

Tgt Ion:	75	Resp:	2107
Ion Ratio	Lower	Upper	
75	100		
110	0.0	18.4	55.2#
77	12.9	24.7	37.1#





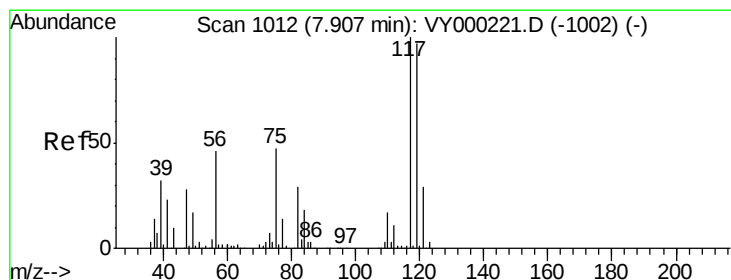
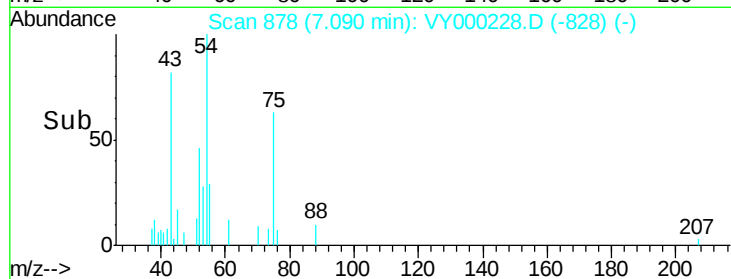
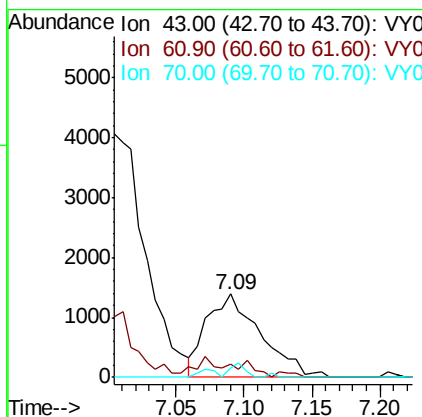
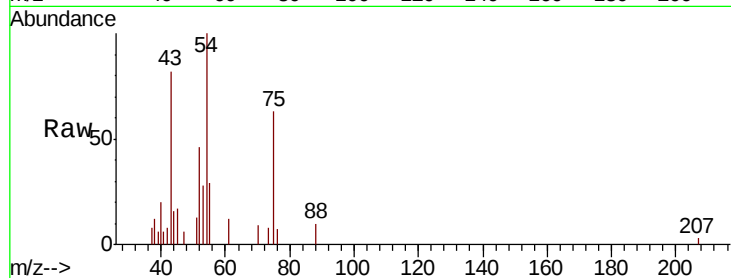
#37
Ethyl Acetate
Concen: 0.482 ug/l
RT: 7.09 min Scan# 878
Delta R.T. 0.01 min
Lab File: VY000228.D
Acq: 08 Oct 2019 18:52

Instrument :
MSVOA_Y
ClientSampleId :
0.5PPBMDL

Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.1	16.7#
70	4.6	8.5	12.7#

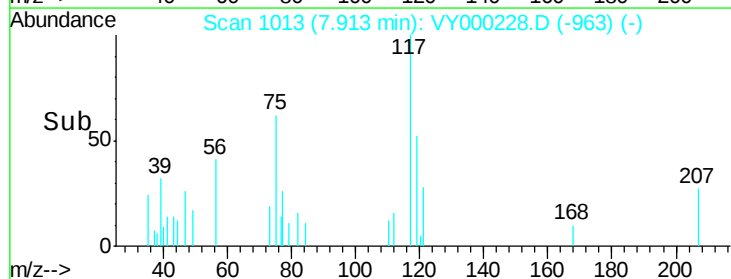
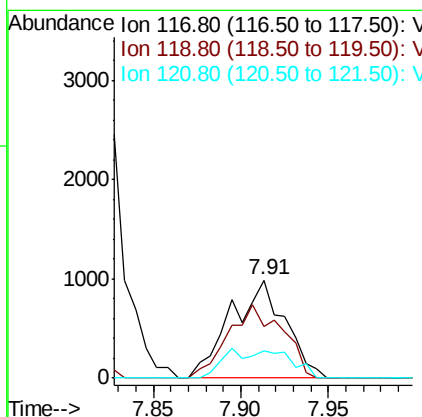
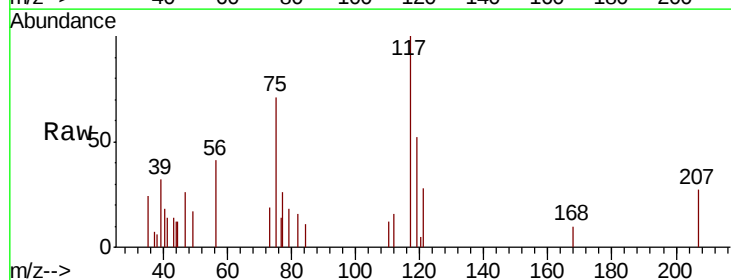
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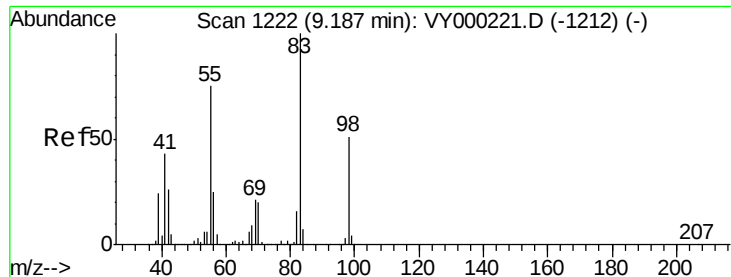
MMDadoda
10/10/2019 12:52:56 AM



#38
Carbon Tetrachloride
Concen: 0.496 ug/l
RT: 7.91 min Scan# 1013
Delta R.T. 0.01 min
Lab File: VY000228.D
Acq: 08 Oct 2019 18:52

Tgt Ion	Ratio	Lower	Upper
117	100		
119	52.0	77.2	115.8#
121	28.2	23.1	34.7





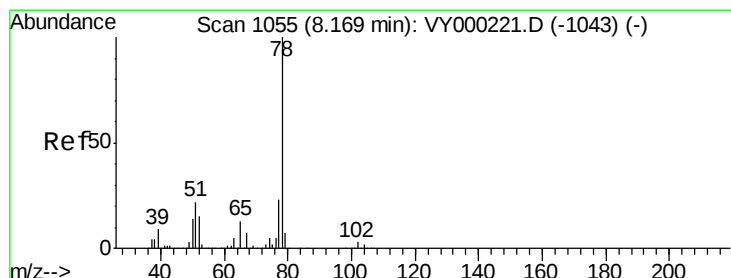
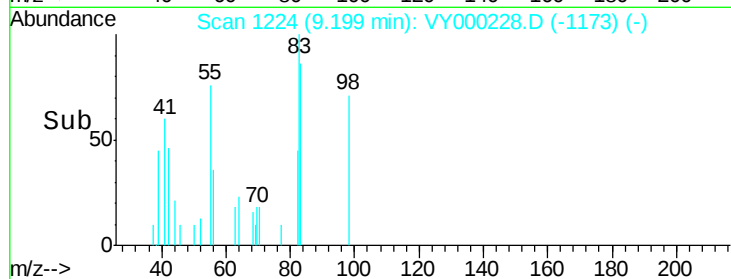
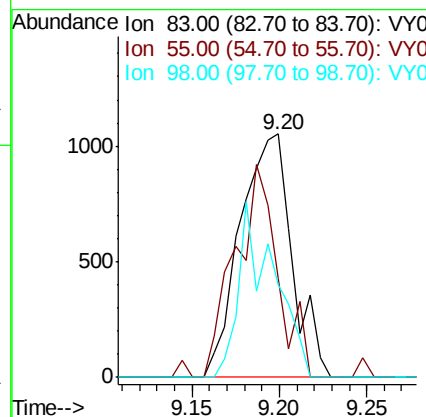
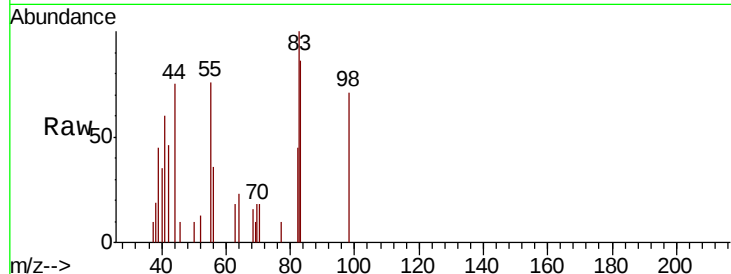
#39
Methvlcvclohexane
Concen: 0.393 ug/l
RT: 9.20 min Scan# 1224
Delta R.T. 0.01 min
Lab File: VY000228.D
Acq: 08 Oct 2019 18:52

Instrument :
MSVOA_Y
ClientSampleId :
0.5PPBMDL

Tot Ion	Ratio	Lower	Upper
83	100		
55	40.8	60.2	90.4#
98	38.0	40.5	60.7#

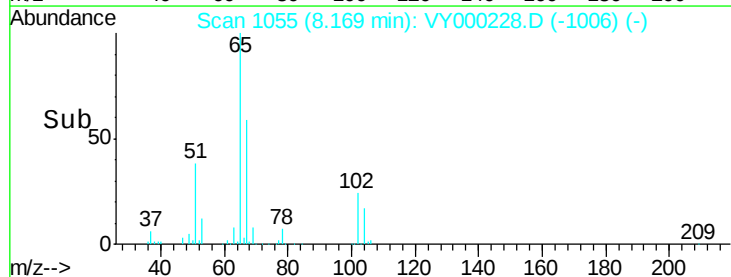
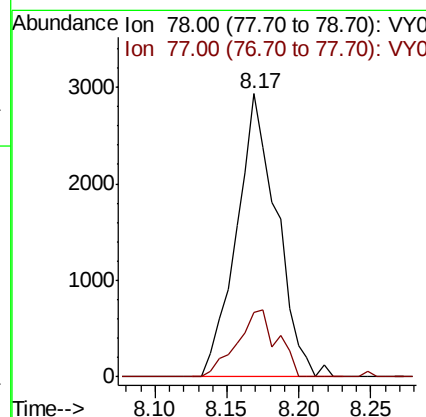
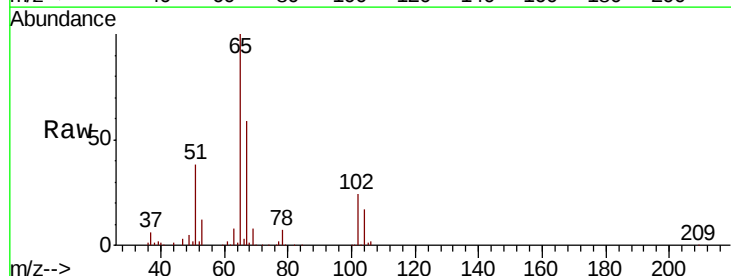
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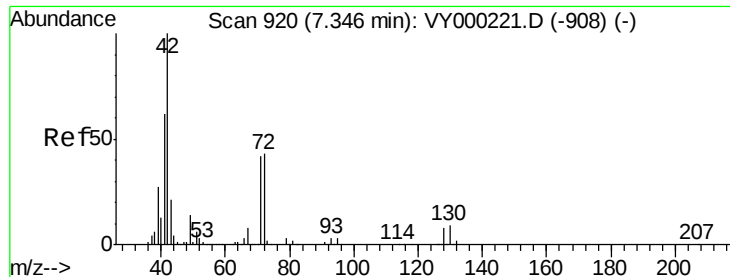
MMDadoda
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#40
Benzene
Concen: 0.424 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. 0.00 min
Lab File: VY000228.D
Acq: 08 Oct 2019 18:52

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	18.6	28.0





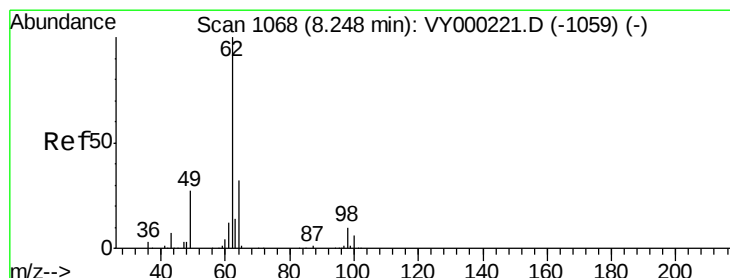
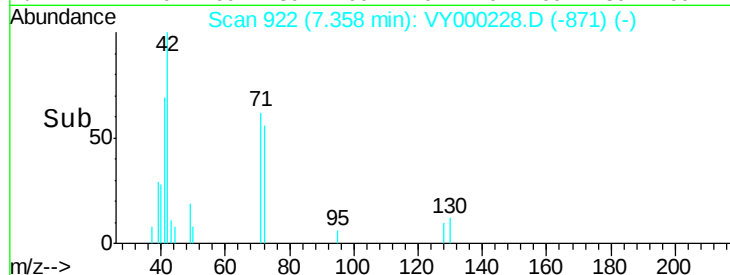
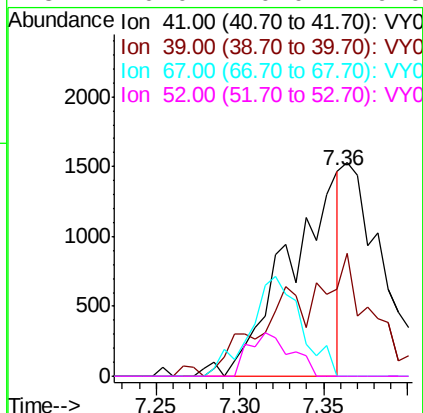
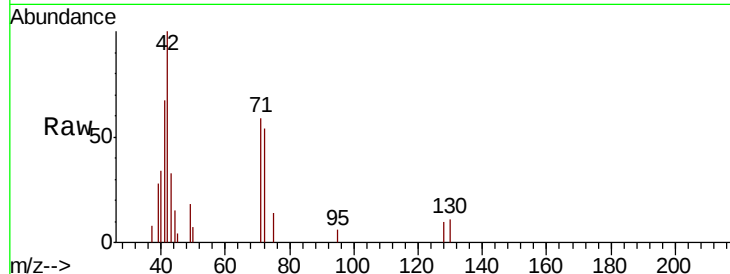
#41
Methacrylonitrile
Concen: 0.502 ug/l m
RT: 7.36 min Scan# 922
Delta R.T. 0.01 min
Lab File: VY000228.D
Acq: 08 Oct 2019 18:52

Instrument :
MSVOA_Y
ClientSampleId :
0.5PPBMDL

Tot Ion	41	Resp	3158
Ion	Ratio	Lower	Upper
41	100		
39	57.4	74.7	112.1#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

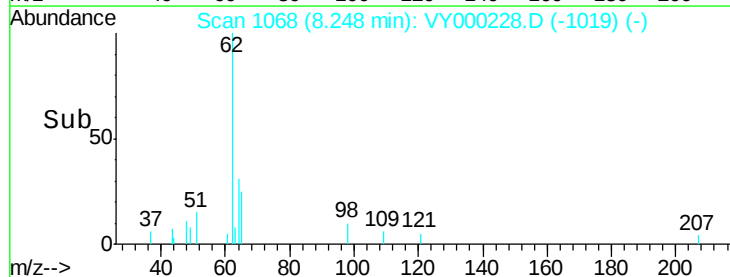
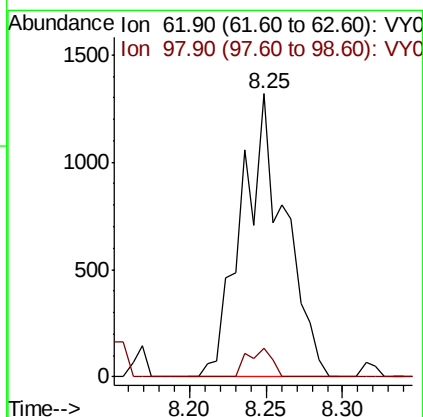
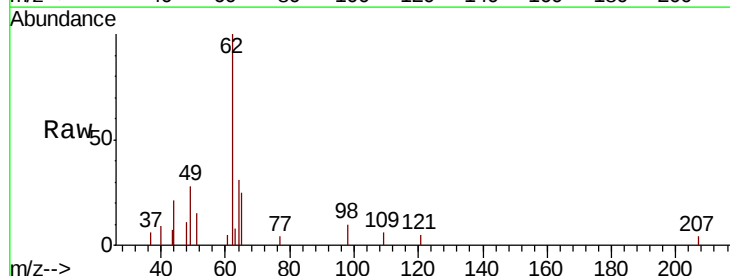
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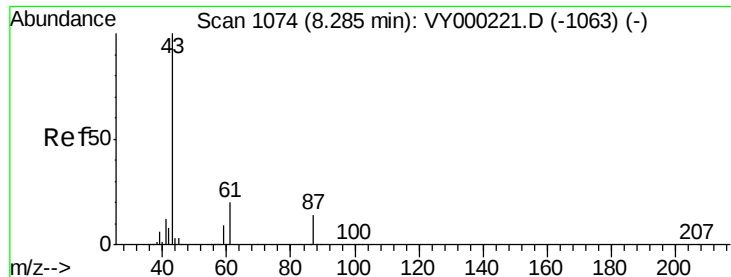
MMDadoda
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#42
1,2-Dichloroethane
Concen: 0.596 ug/l
RT: 8.25 min Scan# 1068
Delta R.T. 0.00 min
Lab File: VY000228.D
Acq: 08 Oct 2019 18:52

Tgt Ion	62	Resp	2594
Ion	Ratio	Lower	Upper
62	100		
98	5.7	0.0	20.0





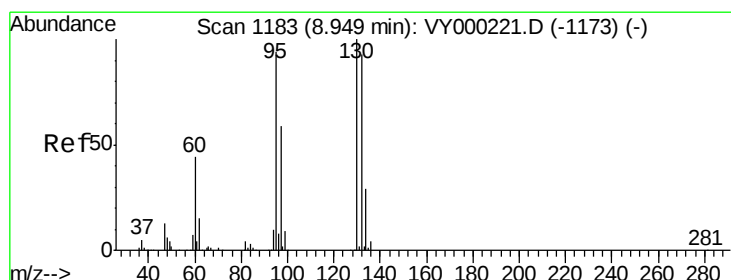
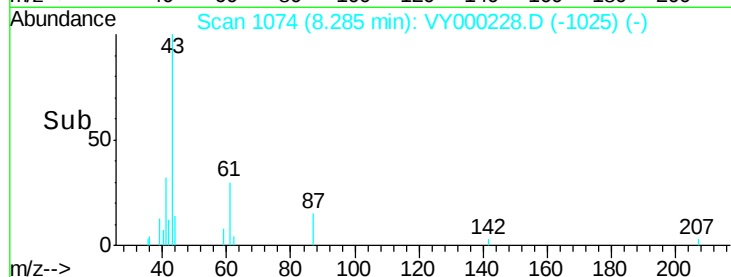
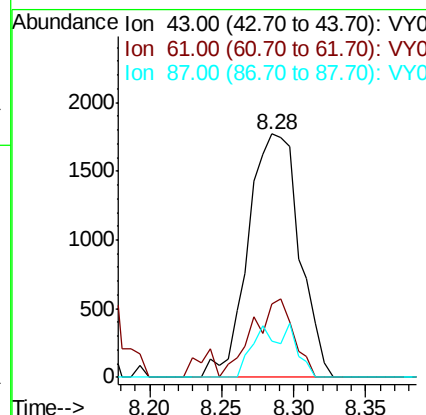
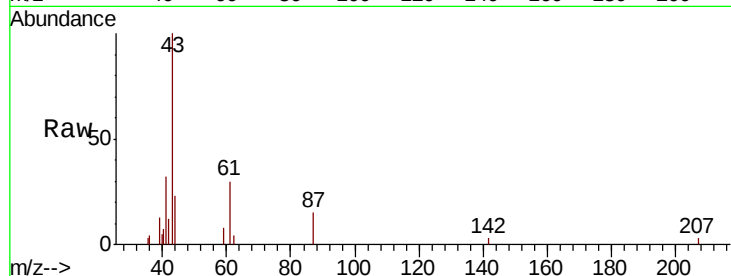
#43
Isopropyl Acetate
Concen: 0.424 ug/l
RT: 8.28 min Scan# 1074
Delta R.T. 0.00 min
Lab File: VY000228.D
Acq: 08 Oct 2019 18:52

Instrument :
MSVOA_Y
ClientSampleId :
0.5PPBMDL

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.8	20.1	30.1
87	16.4	10.6	15.8

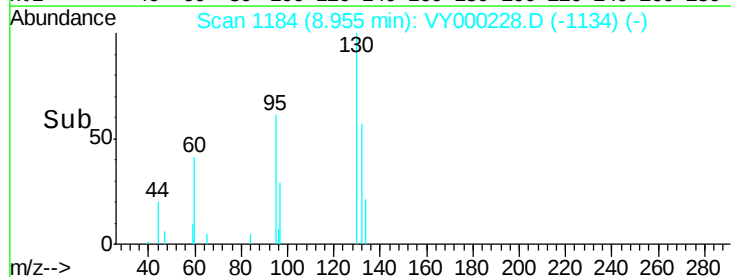
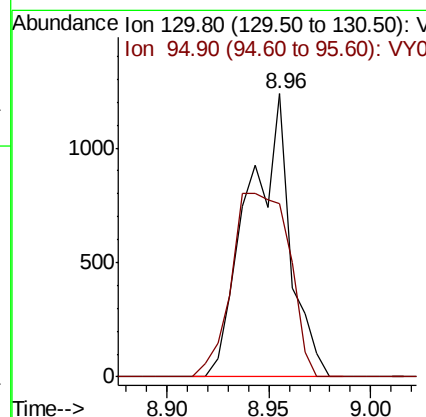
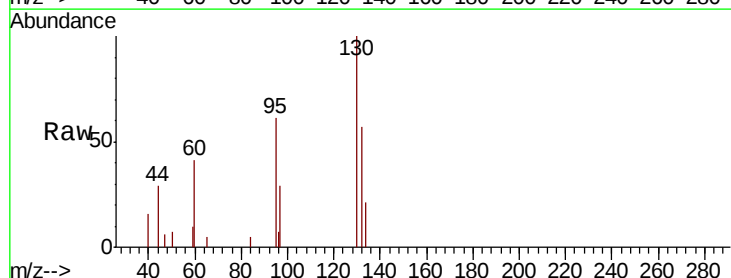
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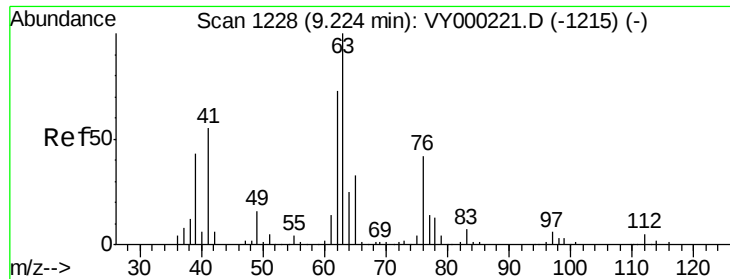
MMDadoda
10/10/2019 12:52:56 AM



#44
Trichloroethene
Concen: 0.488 ug/l
RT: 8.96 min Scan# 1184
Delta R.T. 0.01 min
Lab File: VY000228.D
Acq: 08 Oct 2019 18:52

Tgt Ion	Ratio	Lower	Upper
130	100		
95	61.0	0.0	189.0





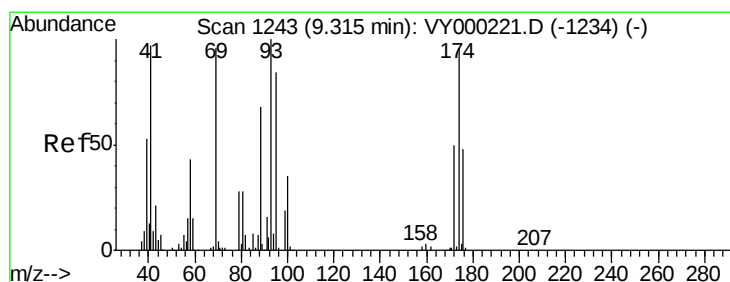
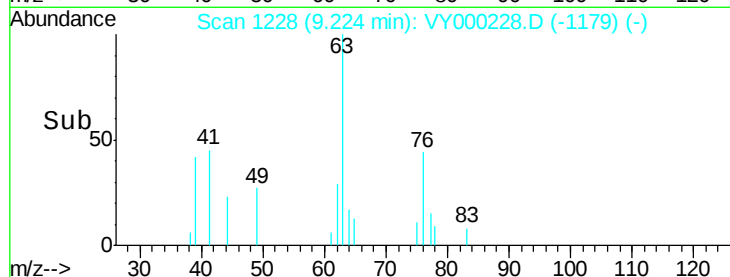
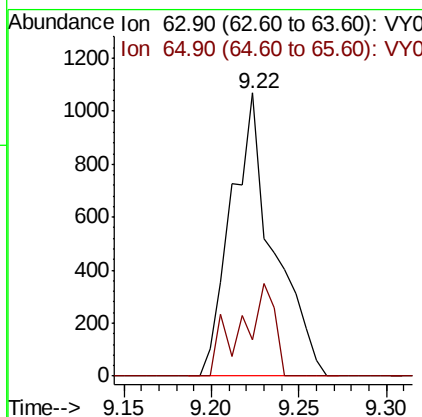
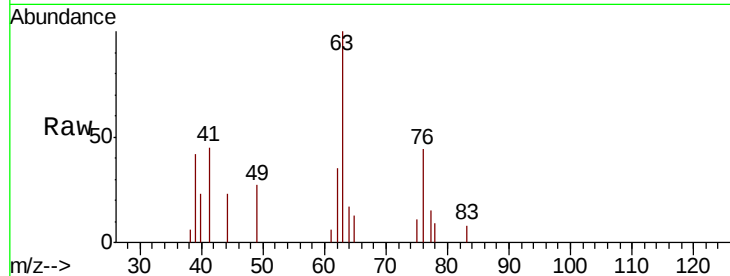
#45
 1,2-Dichloropropane
 Concen: 0.535 ug/l
 RT: 9.22 min Scan# 1228
 Delta R.T. 0.00 min
 Lab File: VY000228.D
 Acq: 08 Oct 2019 18:52

Instrument :
 MSVOA_Y
 ClientSampleId :
 0.5PPBMDL

Tot Ion: 63 Resp: 1796
 Ion Ratio Lower Upper
 63 100
 65 13.0 26.6 39.8#

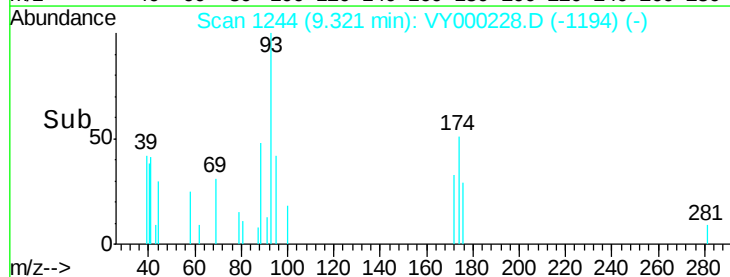
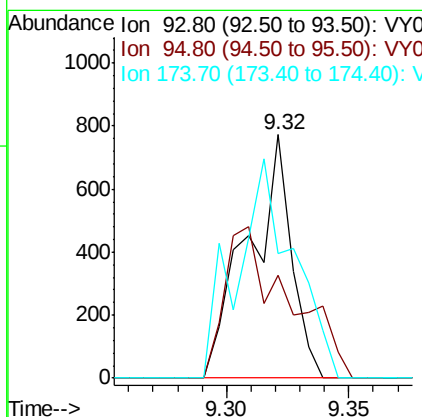
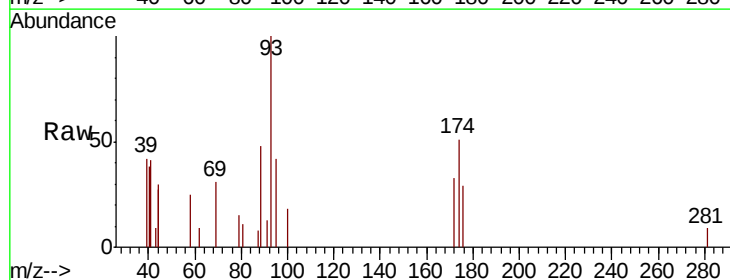
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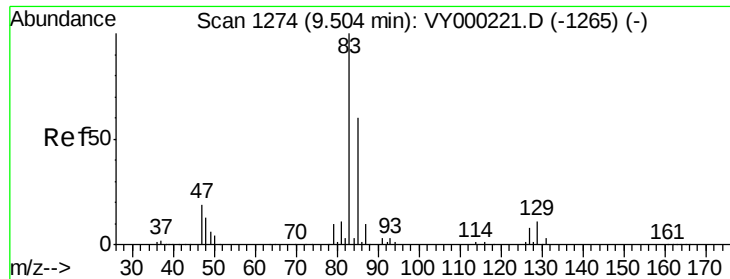
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 10/10/2019 12:52:56 AM



#46
 Dibromomethane
 Concen: 0.405 ug/l
 RT: 9.32 min Scan# 1244
 Delta R.T. 0.01 min
 Lab File: VY000228.D
 Acq: 08 Oct 2019 18:52

Tgt Ion: 93 Resp: 952
 Ion Ratio Lower Upper
 93 100
 95 91.8 67.0 100.6
 174 117.0 77.5 116.3#





#47

Bromodichloromethane

Concen: 0.523 ug/l

RT: 9.51 min Scan# 1275

Delta R.T. 0.01 min

Lab File: VY000228.D

Acq: 08 Oct 2019 18:52

Instrument :

MSVOA_Y

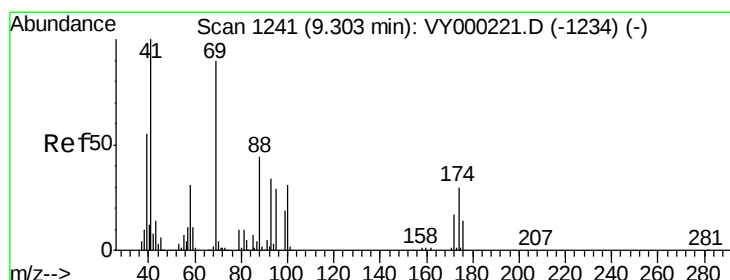
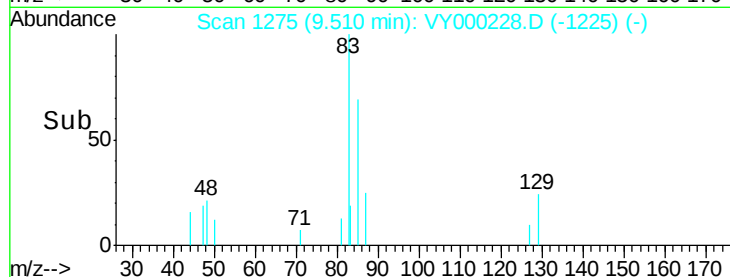
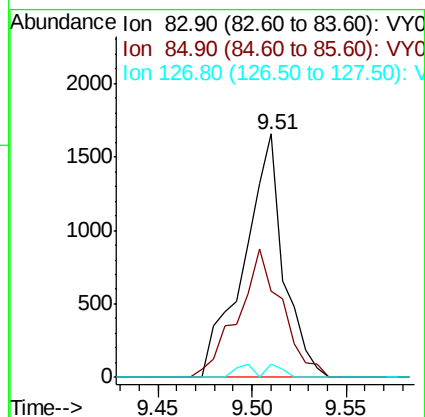
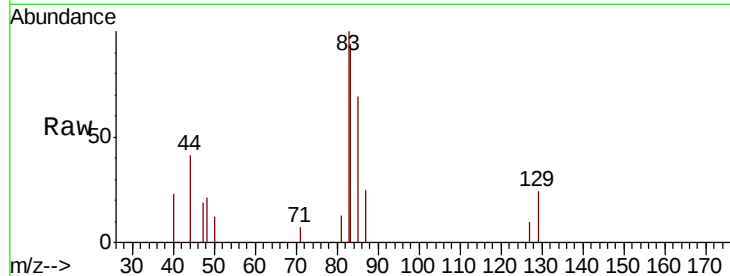
ClientSampleId :

0.5PPBMDL

Tot Ion:	83	Resp:	2409
Ion Ratio	Lower	Upper	
83	100		
85	35.6	48.0	72.0#
127	5.2	6.5	9.7#

Manual Integrations
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#48

Methyl methacrylate

Concen: 0.471 ug/l

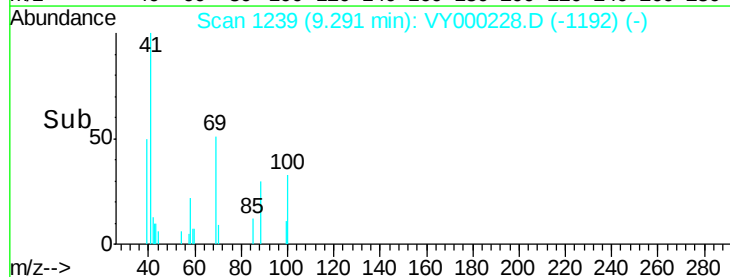
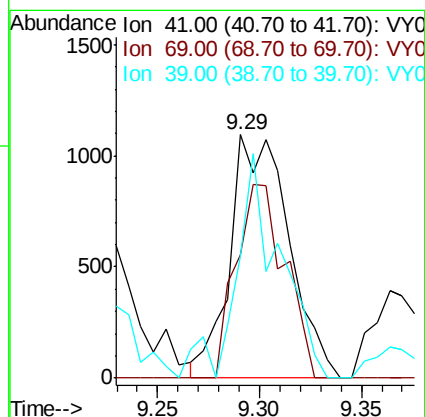
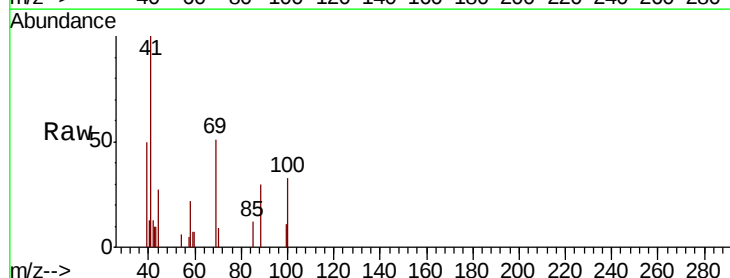
RT: 9.29 min Scan# 1239

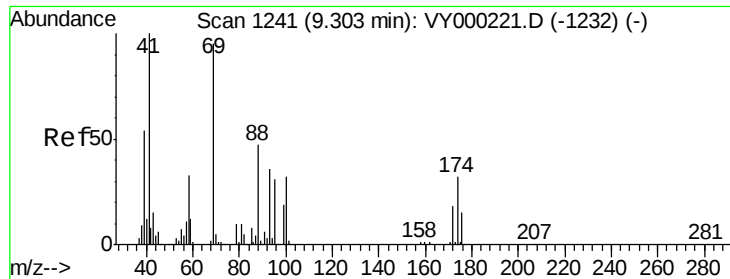
Delta R.T. -0.01 min

Lab File: VY000228.D

Acq: 08 Oct 2019 18:52

Tgt Ion:	41	Resp:	2187
Ion Ratio	Lower	Upper	
41	100		
69	66.5	70.3	105.5#
39	68.6	45.5	68.3#





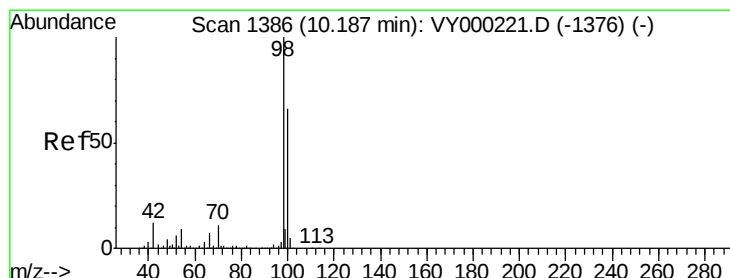
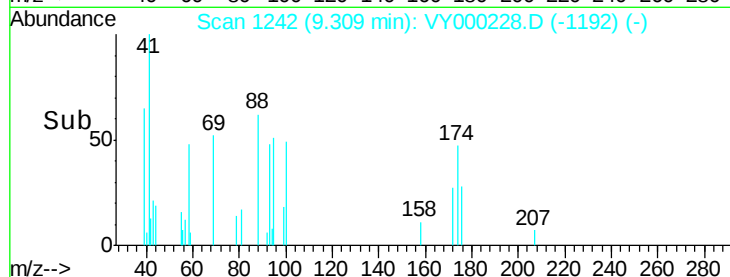
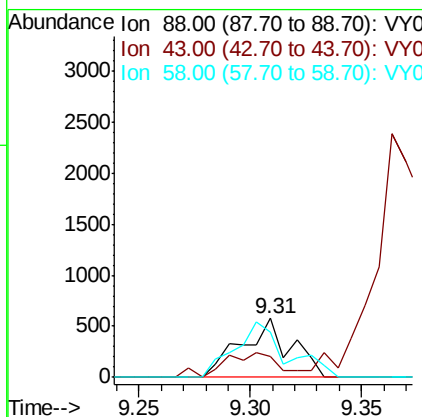
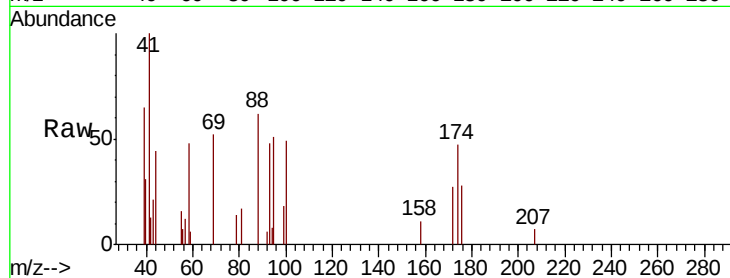
#49
1,4-Dioxane
Concen: 7.513 ug/l
RT: 9.31 min Scan# 1242
Delta R.T. 0.01 min
Lab File: VY000228.D
Acq: 08 Oct 2019 18:52

Instrument :
MSVOA_Y
ClientSampleId :
0.5PPBMDL

Tot Ion	Ratio	Lower	Upper
88	100		
43	46.1	24.5	36.7#
58	97.9	54.2	81.2#

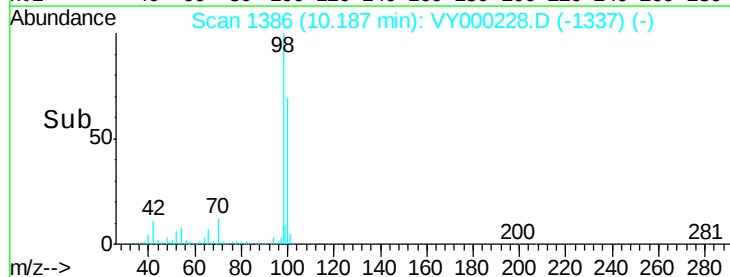
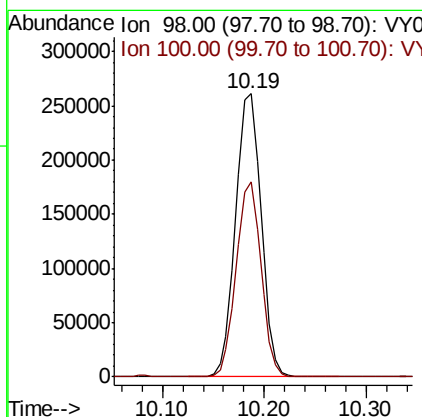
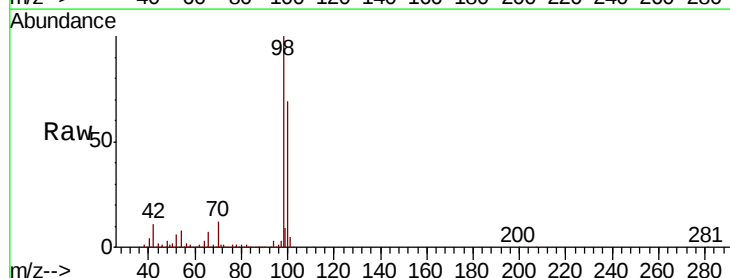
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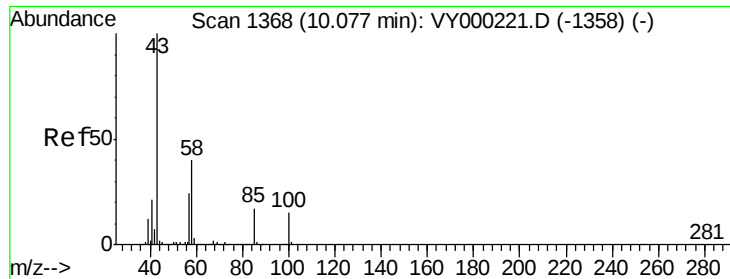
MMDadoda
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#50
Toluene-d8
Concen: 42.702 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. 0.00 min
Lab File: VY000228.D
Acq: 08 Oct 2019 18:52

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.0	53.0	79.6





#51

4-Methyl-2-Pentanone

Concen: 2.080 ug/l

RT: 10.08 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VY000228.D

Acq: 08 Oct 2019 18:52

Instrument :

MSVOA_Y

ClientSampled :

0.5PPBMDL

Tot Ion: 43 Resp: 16072

Ion Ratio Lower Upper

43 100

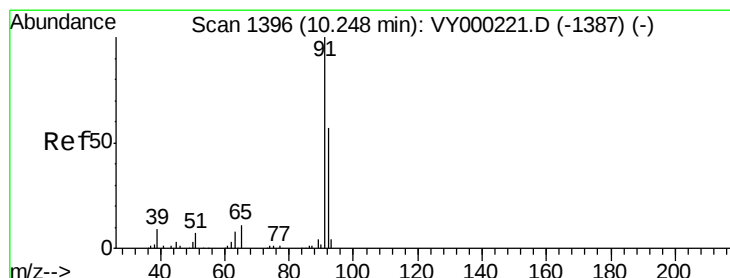
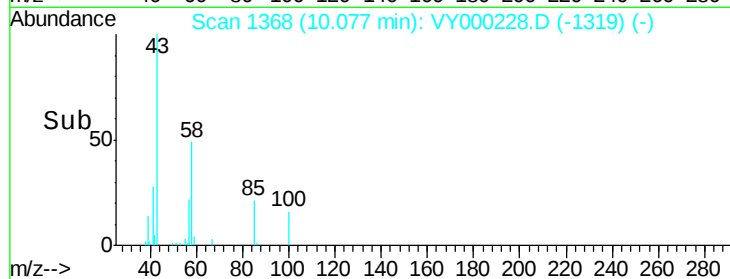
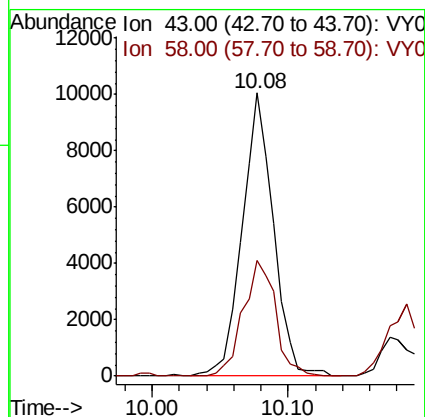
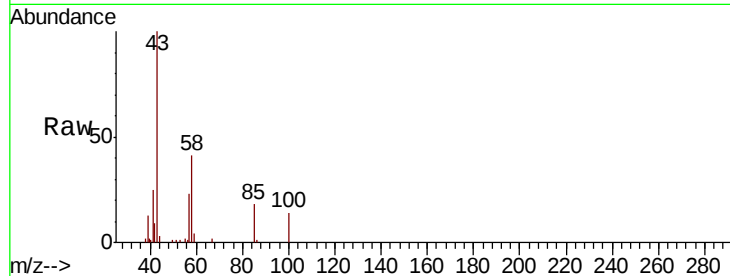
58 42.6 31.7 47.5

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#52

Toluene

Concen: 0.397 ug/l

RT: 10.25 min Scan# 1397

Delta R.T. 0.01 min

Lab File: VY000228.D

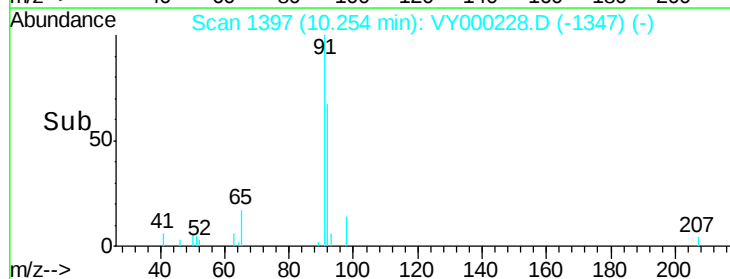
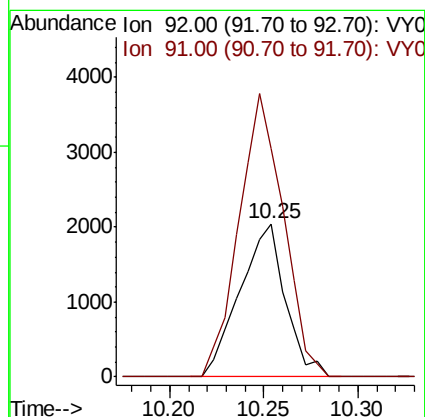
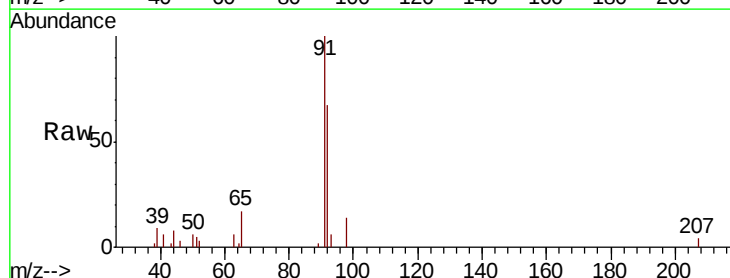
Acq: 08 Oct 2019 18:52

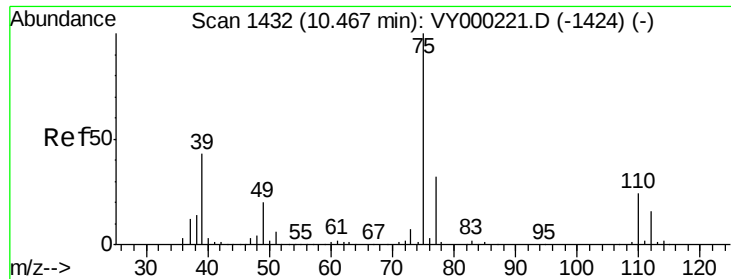
Tgt Ion: 92 Resp: 3415

Ion Ratio Lower Upper

92 100

91 180.9 139.1 208.7





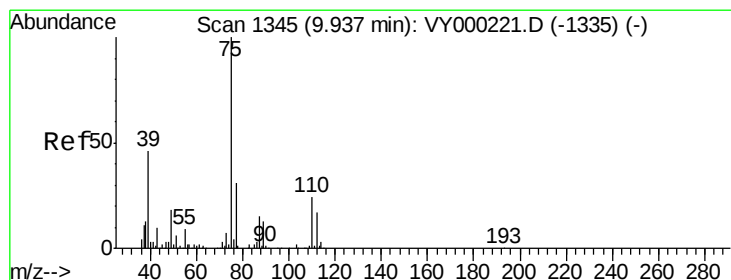
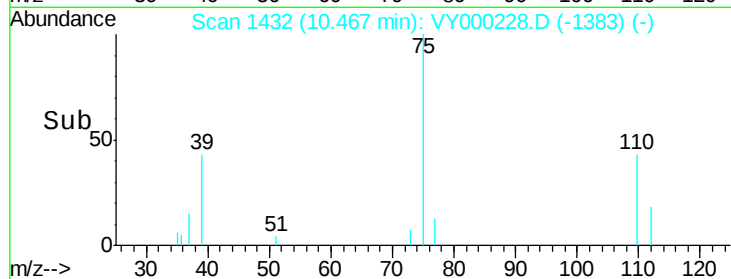
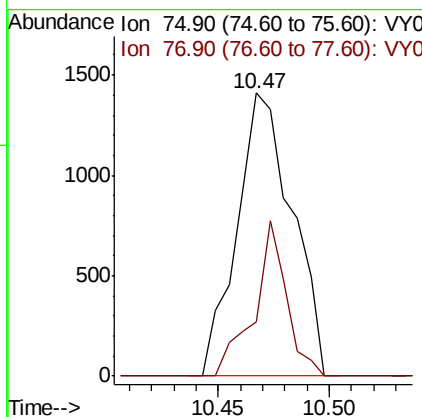
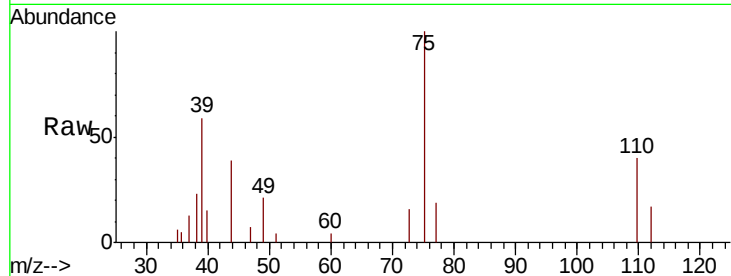
#53
t-1,3-Dichloropropene
Concen: 0.465 ug/l
RT: 10.47 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VY000228.D
Acq: 08 Oct 2019 18:52

Instrument :
MSVOA_Y
ClientSampleId :
0.5PPBMDL

Tot Ion: 75 Resp: 2428
Ion Ratio Lower Upper
75 100
77 19.2 25.3 37.9#

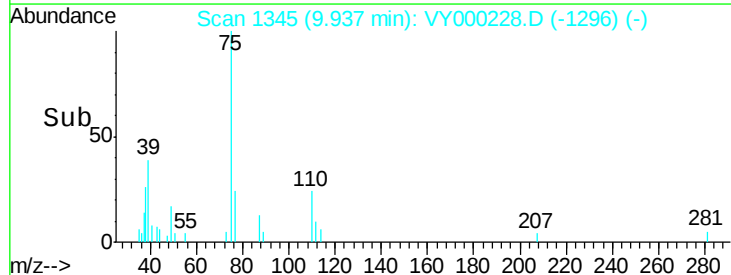
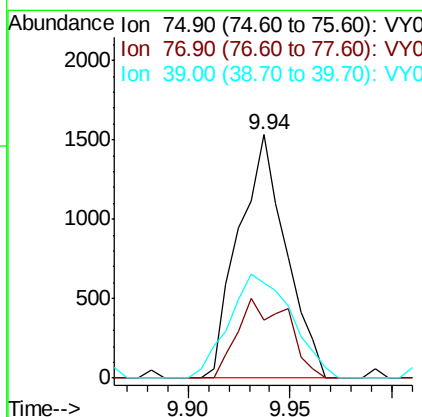
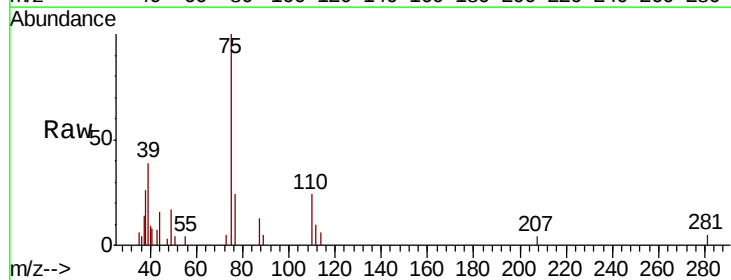
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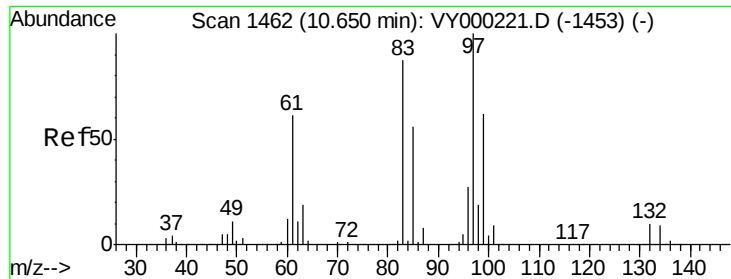
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#54
cis-1,3-Dichloropropene
Concen: 0.438 ug/l
RT: 9.94 min Scan# 1345
Delta R.T. 0.00 min
Lab File: VY000228.D
Acq: 08 Oct 2019 18:52

Tgt Ion: 75 Resp: 2477
Ion Ratio Lower Upper
75 100
77 23.7 25.0 37.4#
39 38.9 36.3 54.5





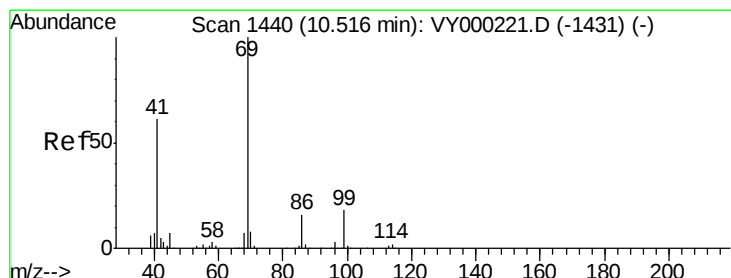
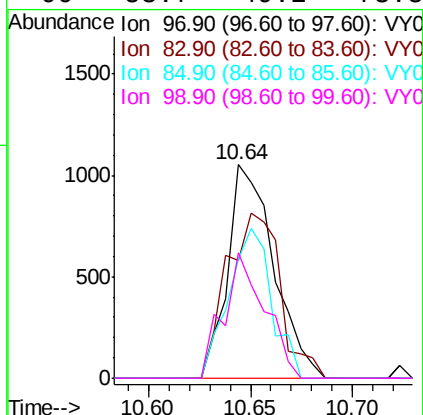
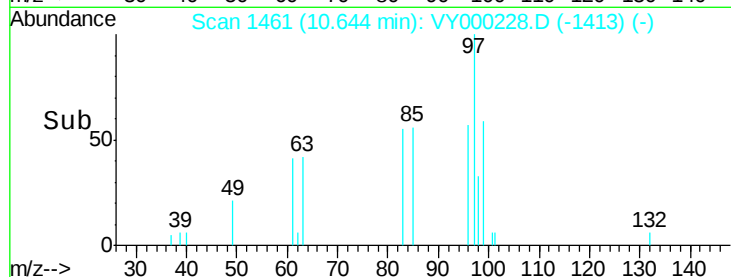
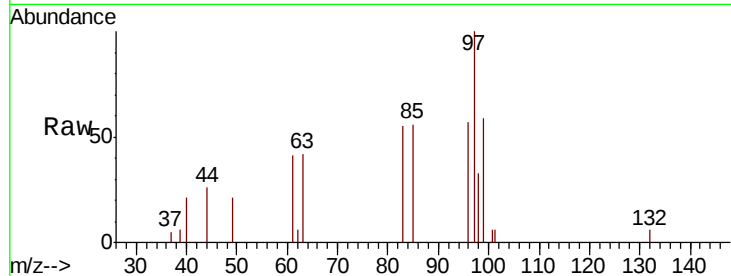
#55
 1,1,2-Trichloroethane
 Concen: 0.486 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. -0.01 min
 Lab File: VY000228.D
 Acq: 08 Oct 2019 18:52

Instrument :
 MSVOA_Y
 ClientSampleId :
 0.5PPBMDL

Tot Ion	Ratio	Lower	Upper
97	100		
83	55.1	69.4	104.0#
85	55.9	44.6	66.8
99	58.7	49.2	73.8

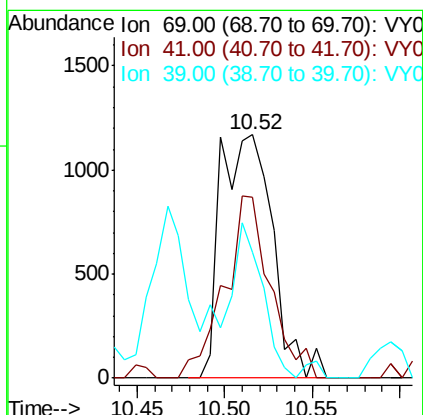
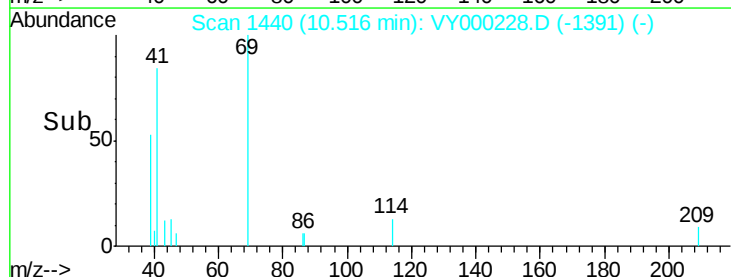
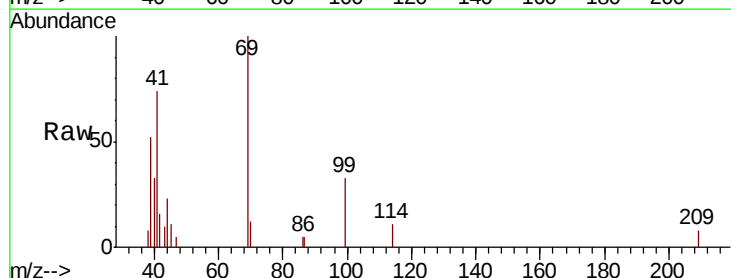
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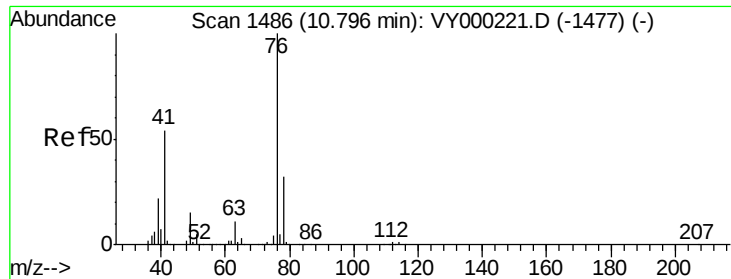
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 10/10/2019 12:52:56 AM



#56
 Ethyl methacrylate
 Concen: 0.406 ug/l
 RT: 10.52 min Scan# 1440
 Delta R.T. 0.00 min
 Lab File: VY000228.D
 Acq: 08 Oct 2019 18:52

Tgt Ion	Ratio	Lower	Upper
69	100		
41	65.9	51.2	76.8
39	35.9	27.0	40.4





#57

1,3-Dichloropropane

Concen: 0.474 ug/l

RT: 10.80 min Scan# 1486

Delta R.T. 0.00 min

Lab File: VY000228.D

Acq: 08 Oct 2019 18:52

Instrument :

MSVOA_Y

ClientSampleId :

0.5PPBMDL

Tot Ion: 76 Resp: 2743

Ion Ratio Lower Upper

76 100

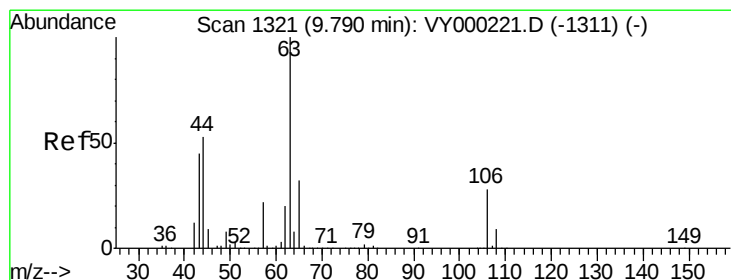
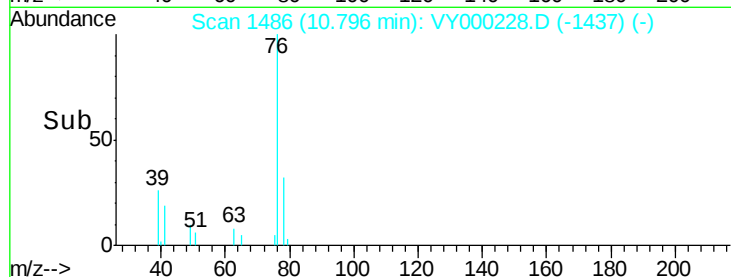
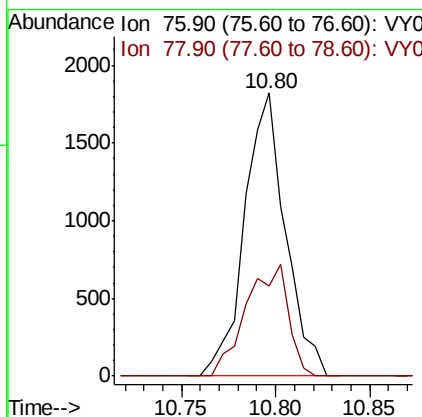
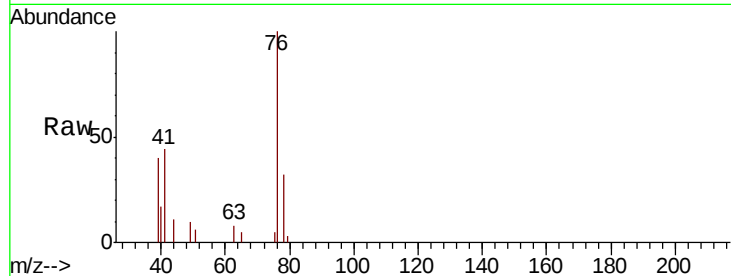
78 40.6 26.0 39.0#

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#58

2-Chloroethyl Vinyl ether

Concen: 2.303 ug/l

RT: 9.79 min Scan# 1321

Delta R.T. 0.00 min

Lab File: VY000228.D

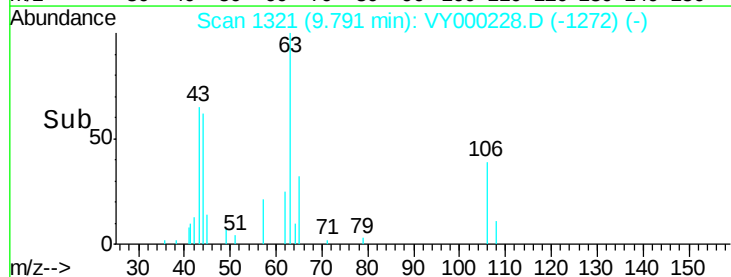
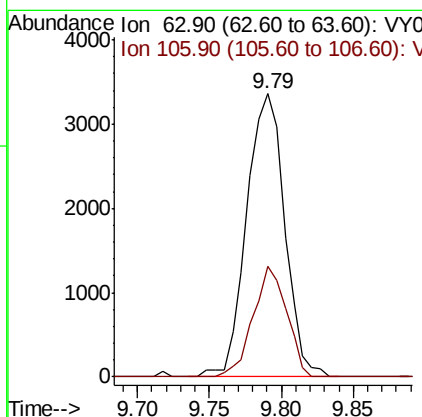
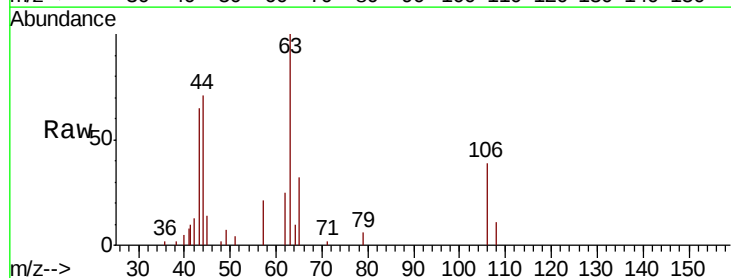
Acq: 08 Oct 2019 18:52

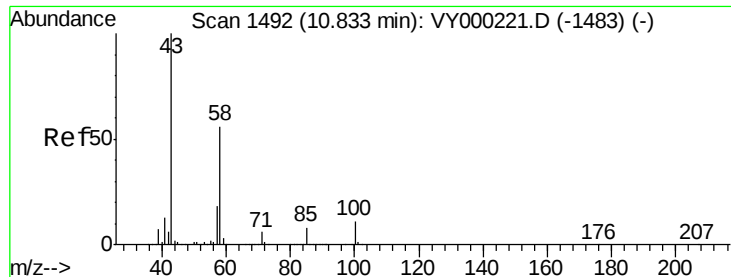
Tgt Ion: 63 Resp: 6127

Ion Ratio Lower Upper

63 100

106 34.4 22.6 33.8#





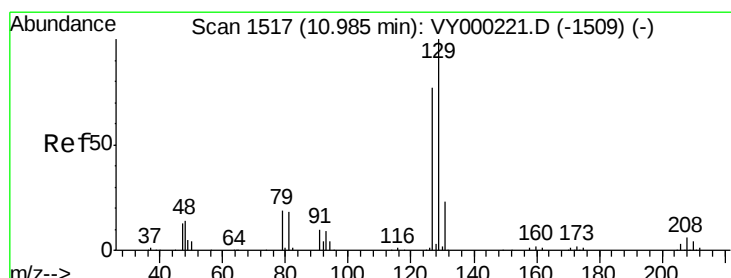
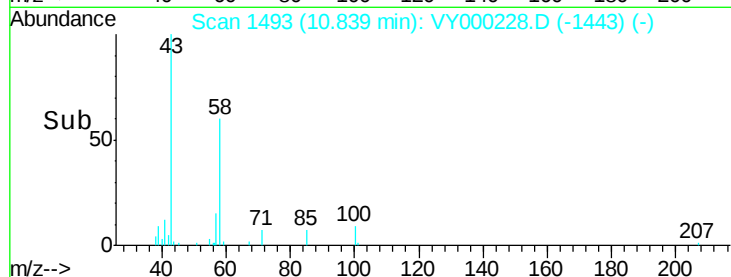
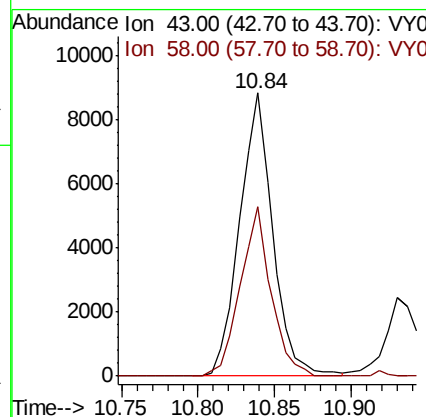
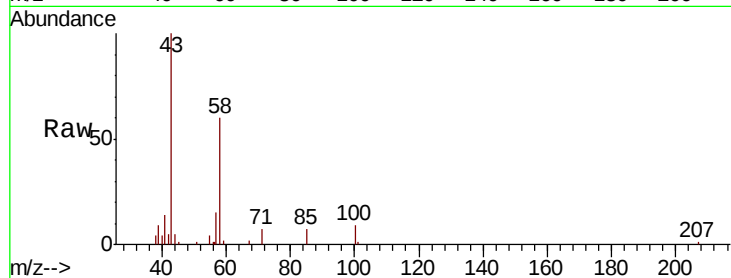
#59
2-Hexanone
Concen: 2.018 ug/l
RT: 10.84 min Scan# 1493
Delta R.T. 0.01 min
Lab File: VY000228.D
Acq: 08 Oct 2019 18:52

Instrument :
MSVOA_Y
ClientSampleId :
0.5PPBMDL

Tot Ion: 43 Resp: 13214
Ion Ratio Lower Upper
43 100
58 55.5 28.2 84.6

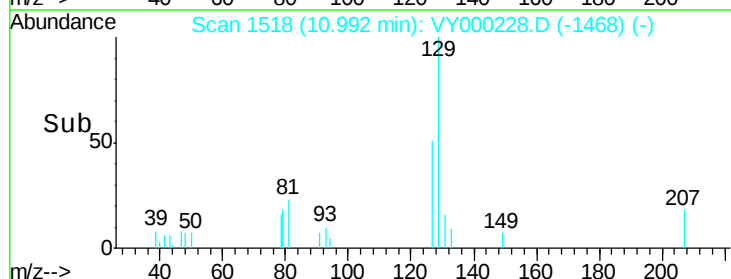
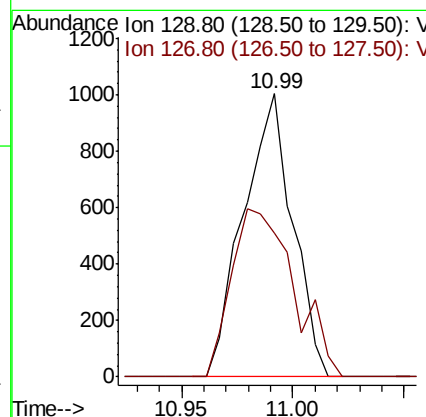
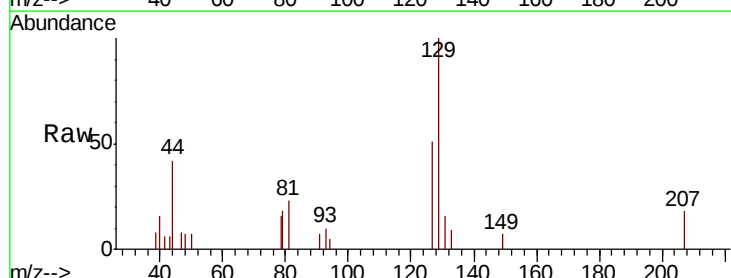
Manual Integrations
APPROVED

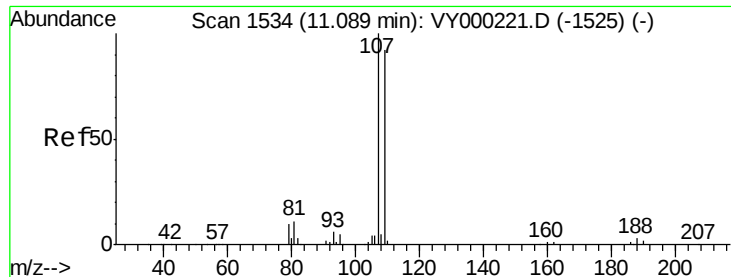
MMDadoda
10/10/2019 12:52:56 AM



#60
Dibromochloromethane
Concen: 0.431 ug/l
RT: 10.99 min Scan# 1518
Delta R.T. 0.01 min
Lab File: VY000228.D
Acq: 08 Oct 2019 18:52

Tgt Ion: 129 Resp: 1544
Ion Ratio Lower Upper
129 100
127 75.5 39.1 117.2





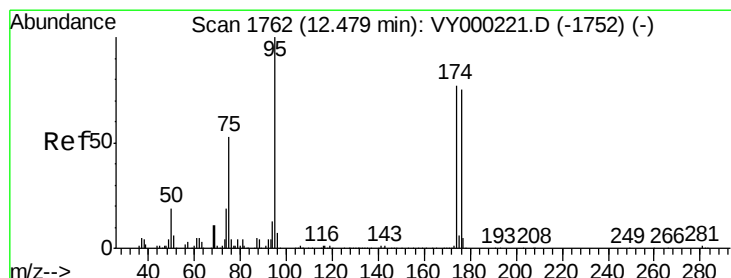
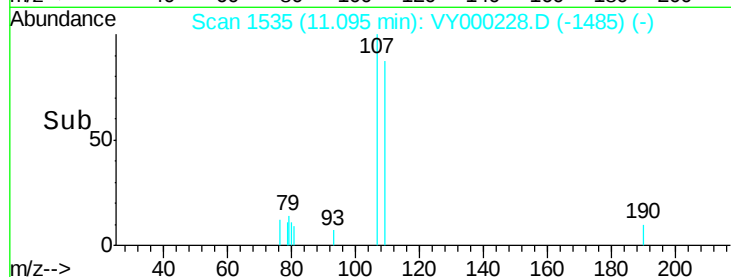
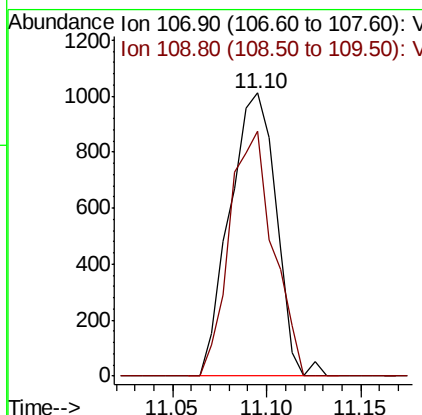
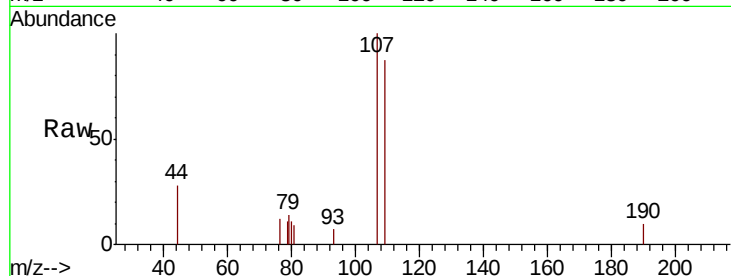
#61
 1,2-Dibromoethane
 Concen: 0.479 ug/l
 RT: 11.10 min Scan# 1535
 Delta R.T. 0.01 min
 Lab File: VY000228.D
 Acq: 08 Oct 2019 18:52

Instrument :
 MSVOA_Y
 ClientSampleId :
 0.5PPBMDL

Tot Ion	Ratio	Lower	Upper
107	100		
109	81.7	75.0	112.6

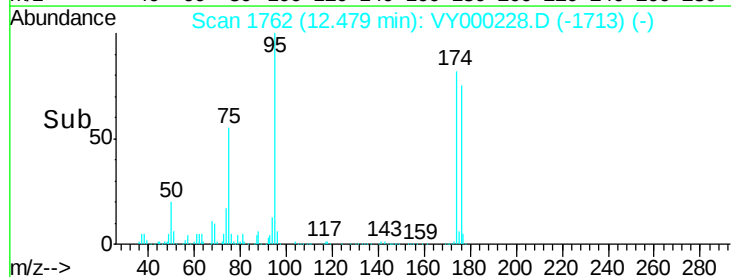
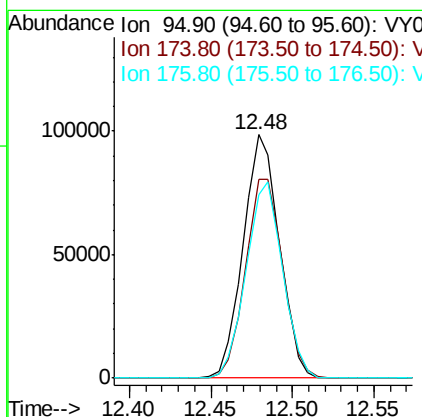
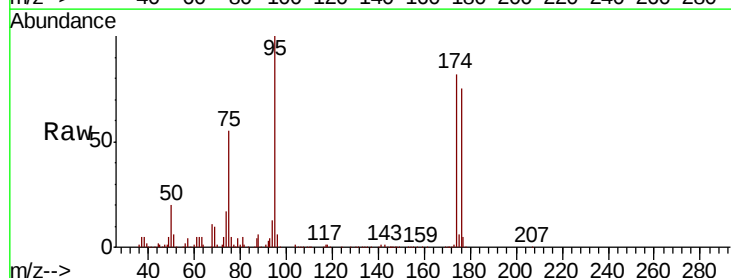
Manual Integrations
 APPROVED

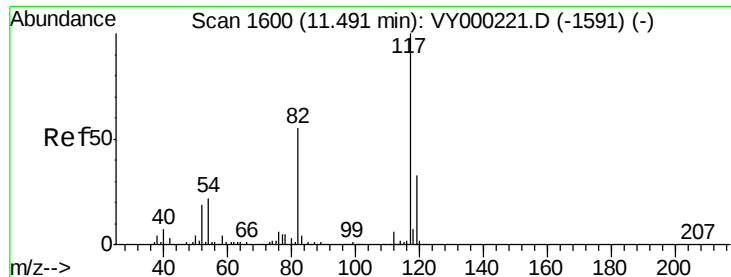
MMDadoda
 10/10/2019 12:52:56 AM



#62
 4-Bromofluorobenzene
 Concen: 40.777 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: VY000228.D
 Acq: 08 Oct 2019 18:52

Tgt Ion	Ratio	Lower	Upper
95	100		
174	84.0	0.0	157.0
176	81.1	0.0	153.0





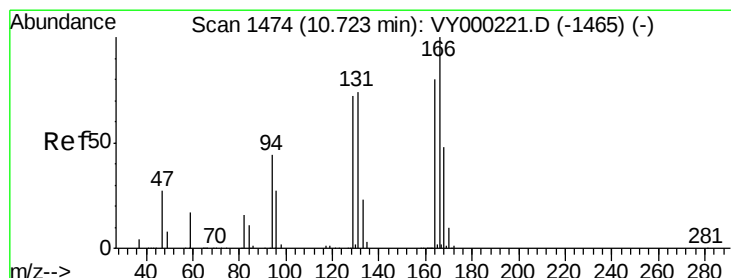
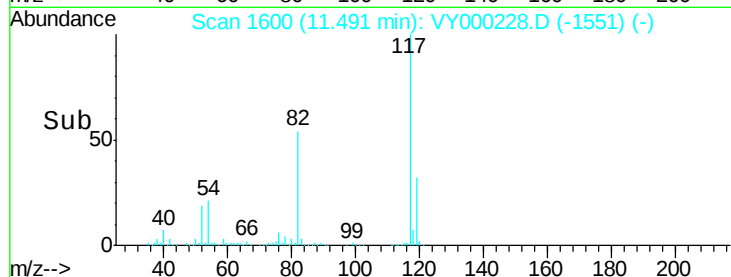
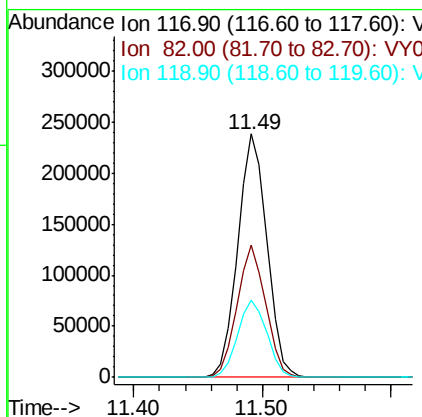
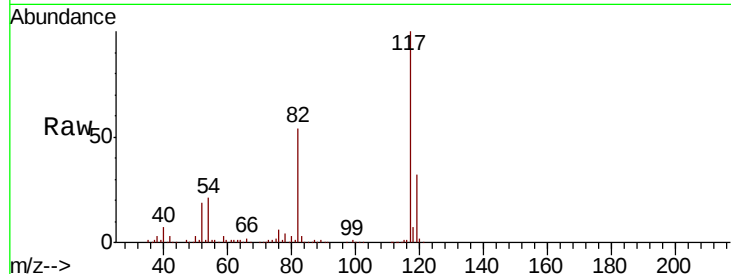
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY000228.D
Acq: 08 Oct 2019 18:52

Instrument :
MSVOA_Y
ClientSampleId :
0.5PPBMDL

Tot Ion	Ratio	Resp	Lower	Upper
117	100	372132		
82	54.2	44.4	66.6	
119	31.8	26.2	39.2	

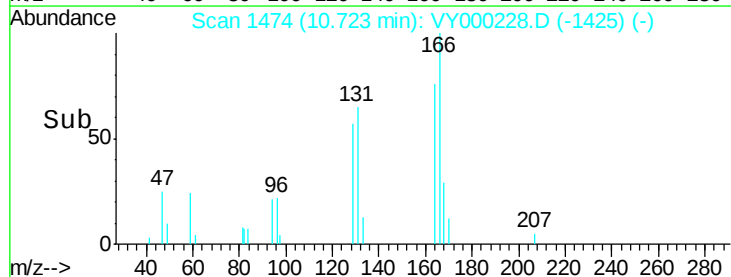
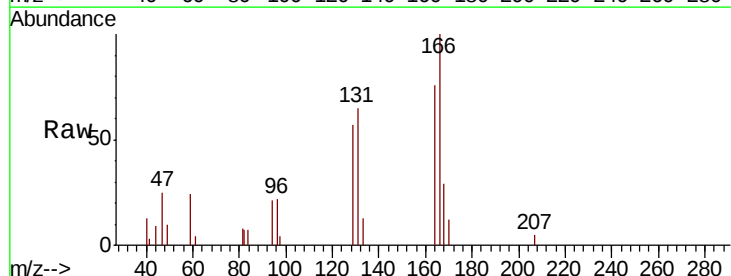
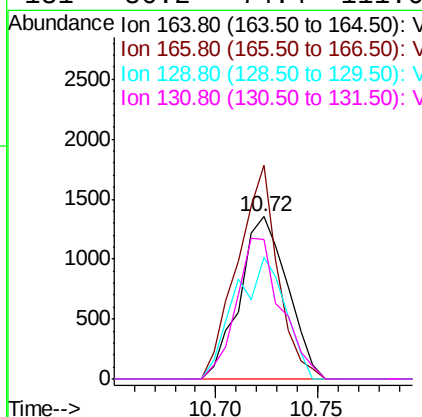
Manual Integrations
APPROVED

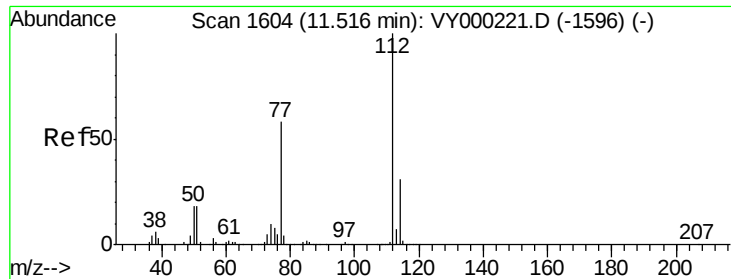
MMDadoda
10/10/2019 12:52:56 AM



#64
Tetrachloroethene
Concen: 0.648 ug/l
RT: 10.72 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VY000228.D
Acq: 08 Oct 2019 18:52

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	2203		
166	131.8	100.3	150.5	
129	75.4	72.4	108.6	
131	86.2	74.4	111.6	





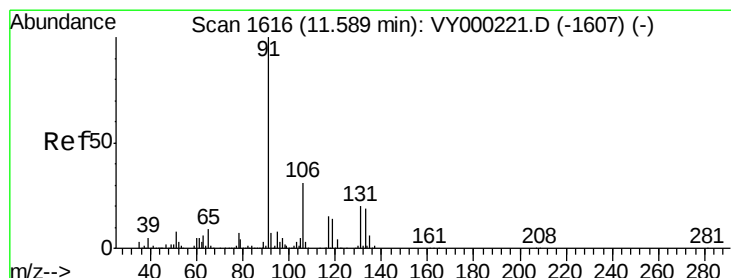
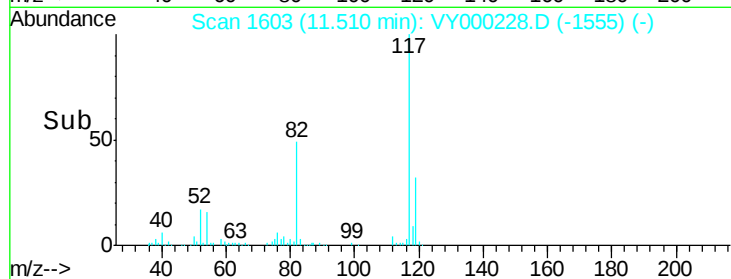
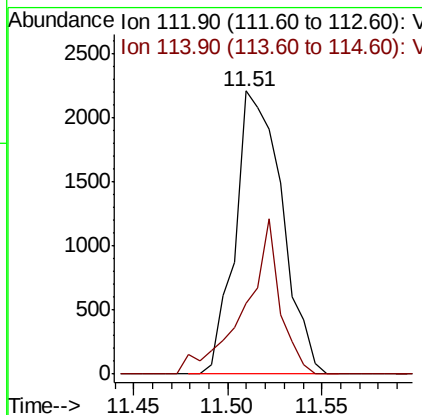
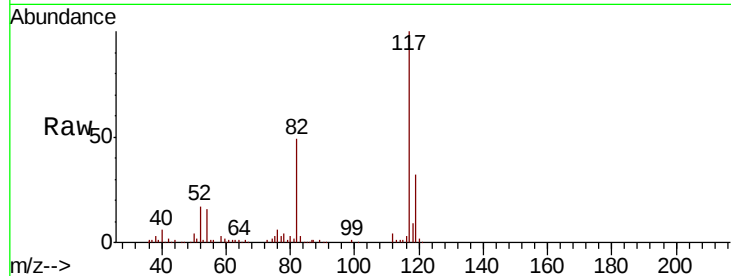
#65
Chlorobenzene
Concen: 0.439 ug/l
RT: 11.51 min Scan# 1603
Delta R.T. -0.01 min
Lab File: VY000228.D
Acq: 08 Oct 2019 18:52

Instrument :
MSVOA_Y
ClientSampleId :
0.5PPBMDL

Tot Ion:112 Resp: 3783
Ion Ratio Lower Upper
112 100
114 24.9 25.0 37.4#

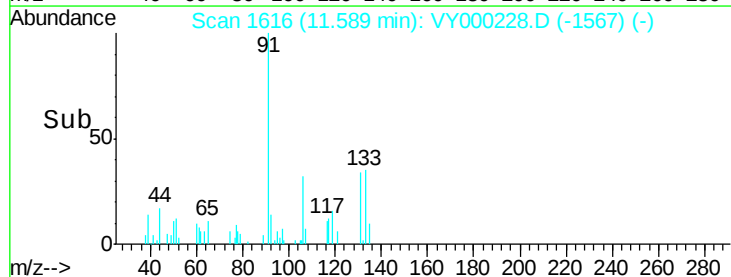
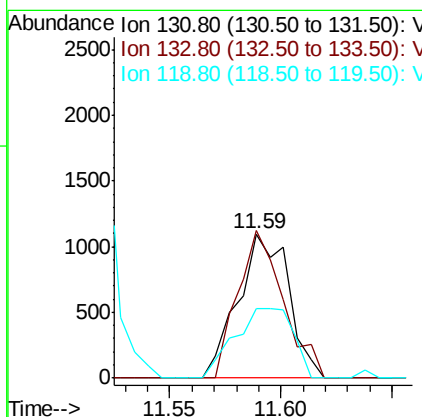
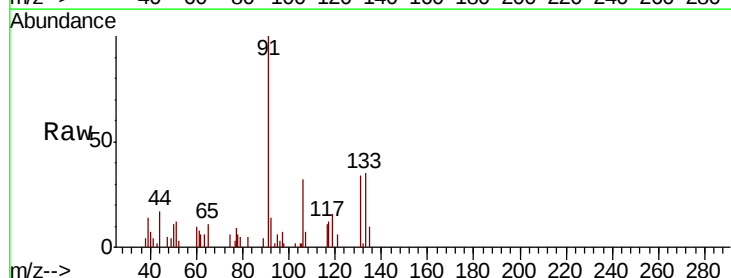
Manual Integrations
APPROVED

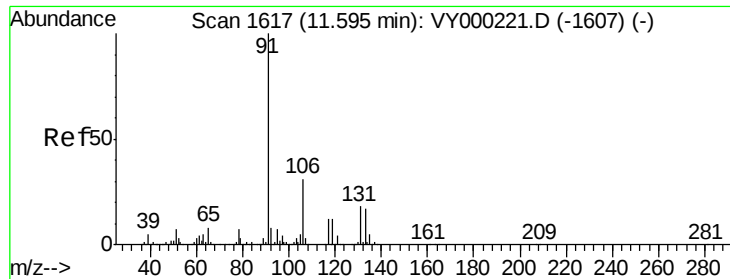
MMDadoda
10/10/2019 12:52:56 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 0.563 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VY000228.D
Acq: 08 Oct 2019 18:52

Tgt Ion:131 Resp: 1735
Ion Ratio Lower Upper
131 100
133 91.9 47.0 141.2
119 0.0 33.3 99.8#





#67

Ethyl Benzene

Concen: 0.410 ug/l

RT: 11.60 min Scan# 1617

Delta R.T. 0.00 min

Lab File: VY000228.D

Acq: 08 Oct 2019 18:52

Instrument :

MSVOA_Y

ClientSampleId :

0.5PPBMDL

Tot Ion: 91 Resp: 6318

Ion Ratio Lower Upper

91 100

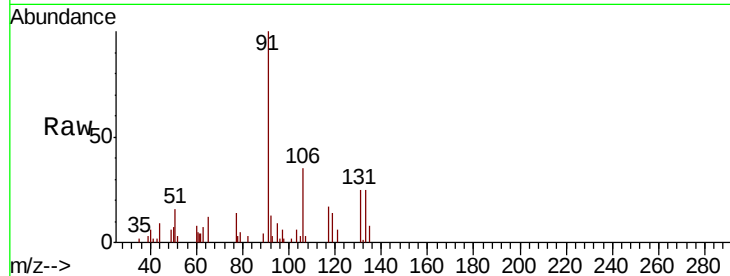
106 35.2 25.2 37.8

Manual Integrations

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MMDadoda

10/10/2019 12:52:56 AM



Abundance Ion 91.00 (90.70 to 91.70): VY000221.D (-1607) (-)

Ion 106.00 (105.70 to 106.70): VY000221.D (-1607) (-)

11.60

4000

3000

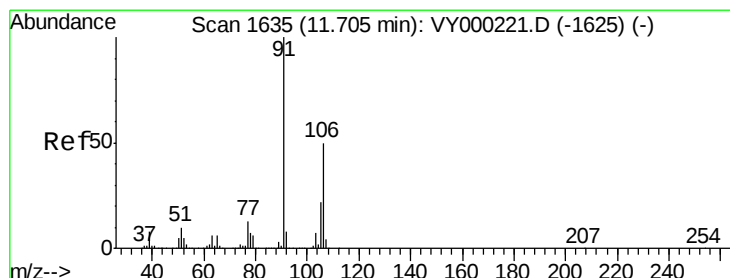
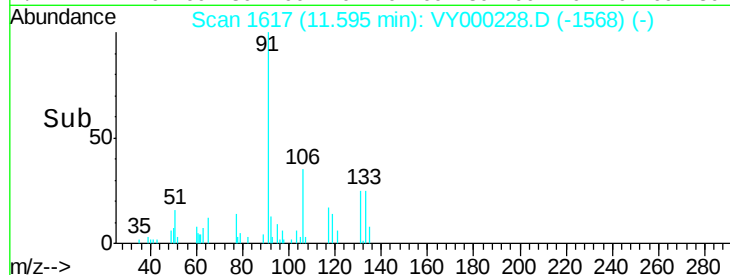
2000

1000

0

11.55 11.60 11.65

Time-->



#68

m/p-Xylenes

Concen: 0.810 ug/l

RT: 11.71 min Scan# 1636

Delta R.T. 0.01 min

Lab File: VY000228.D

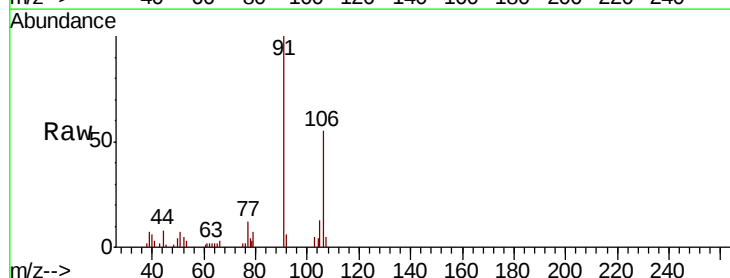
Acq: 08 Oct 2019 18:52

Tgt Ion: 106 Resp: 4765

Ion Ratio Lower Upper

106 100

91 214.3 159.9 239.9



Abundance Ion 106.00 (105.70 to 106.70): VY000221.D (-1625) (-)

Ion 91.00 (90.70 to 91.70): VY000221.D (-1625) (-)

11.71

6000

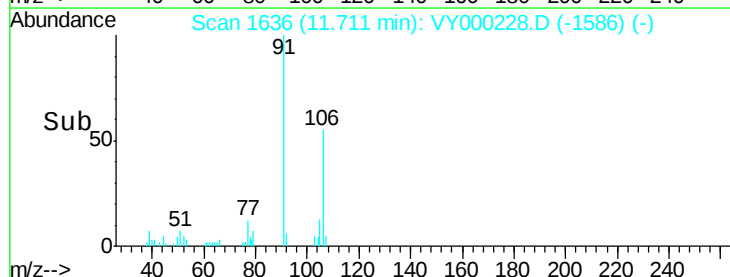
4000

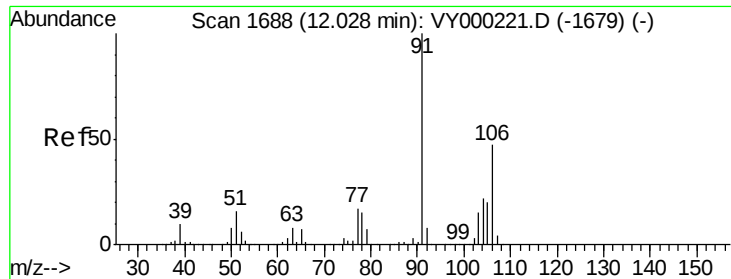
2000

0

11.65 11.70 11.75

Time-->





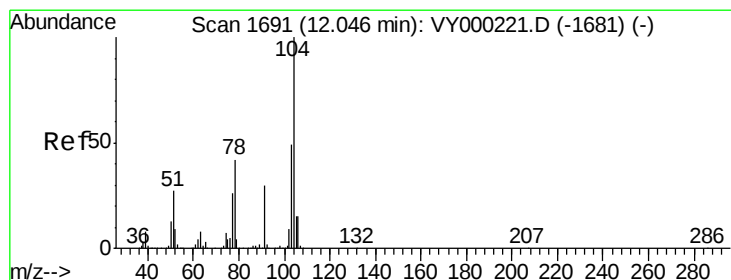
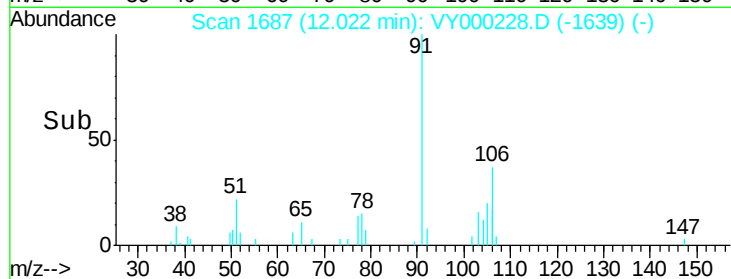
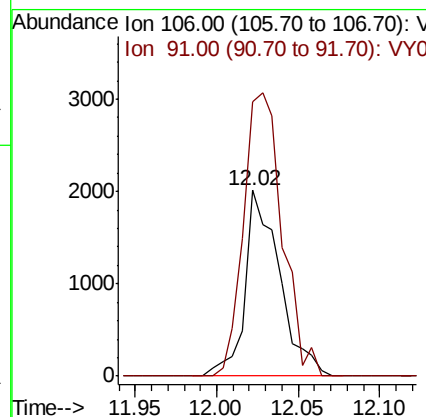
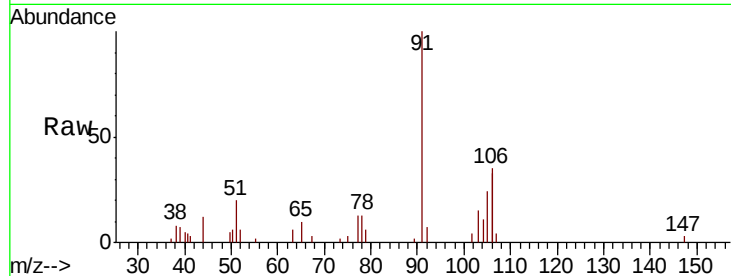
#69
o-Xylene
Concen: 0.523 ug/l
RT: 12.02 min Scan# 1687
Delta R.T. -0.01 min
Lab File: VY000228.D
Acq: 08 Oct 2019 18:52

Instrument :
MSVOA_Y
ClientSampleId :
0.5PPBMDL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		2965		
91	171.5	106.1	318.1		

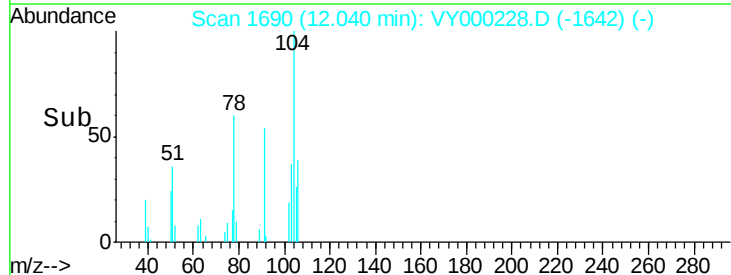
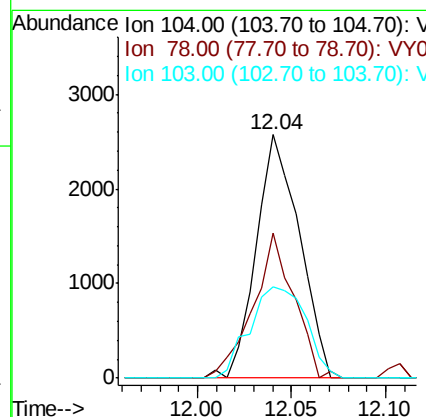
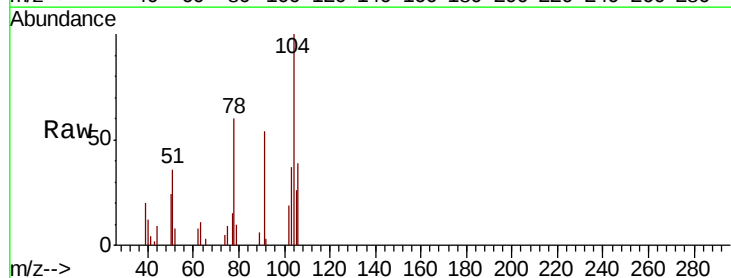
Manual Integrations
APPROVED

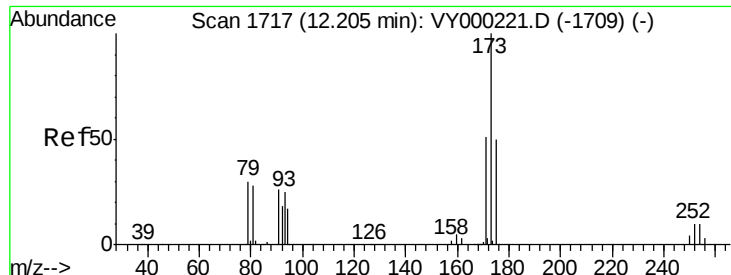
MMDadoda
10/10/2019 12:52:56 AM



#70
Styrene
Concen: 0.417 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. -0.01 min
Lab File: VY000228.D
Acq: 08 Oct 2019 18:52

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		4074		
78	56.6	39.0	58.4		
103	49.1	43.1	64.7		





#71

Bromoform

Concen: 0.421 ug/l

RT: 12.21 min Scan# 1718

Delta R.T. 0.01 min

Lab File: VY000228.D

Acq: 08 Oct 2019 18:52

Instrument :

MSVOA_Y

ClientSampleId :

0.5PPBMDL

Tot Ion:173 Resp: 1071

Ion Ratio Lower Upper

173 100

175 44.6 24.8 74.3

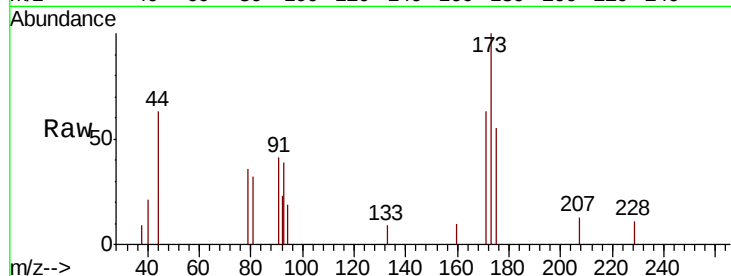
254 0.0 0.1 0.1#

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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V

12.21

600

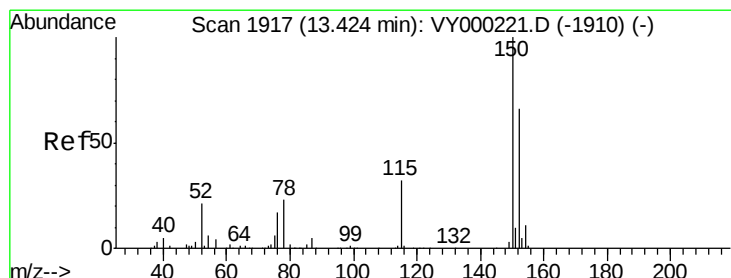
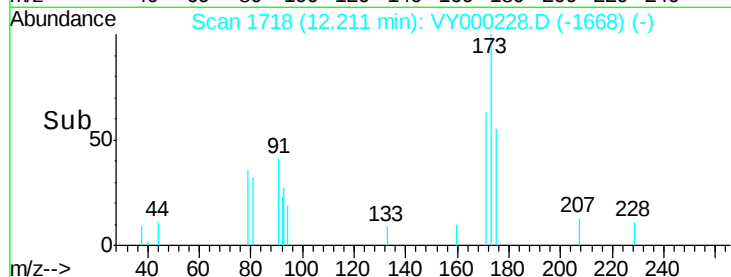
400

200

0

12.20 12.25

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. 0.00 min

Lab File: VY000228.D

Acq: 08 Oct 2019 18:52

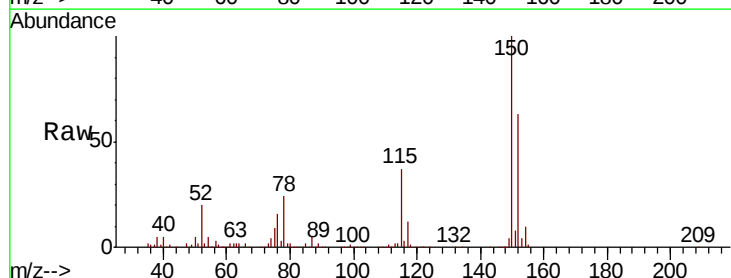
Tgt Ion:152 Resp: 166973

Ion Ratio Lower Upper

152 100

115 58.7 29.3 88.0

150 159.6 0.0 349.6



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

13.42

200000

150000

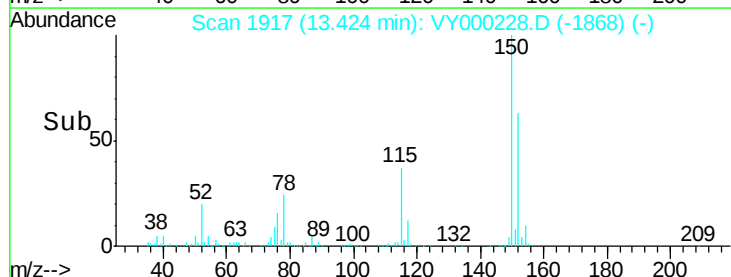
100000

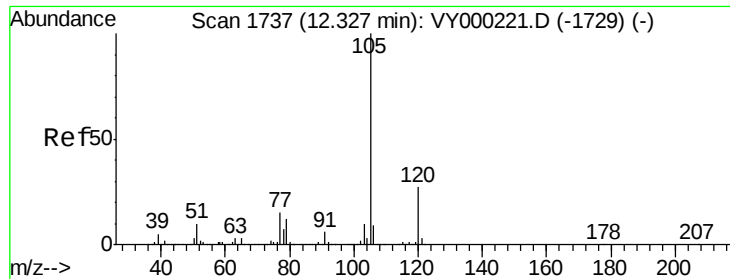
50000

0

13.40 13.50

Time-->





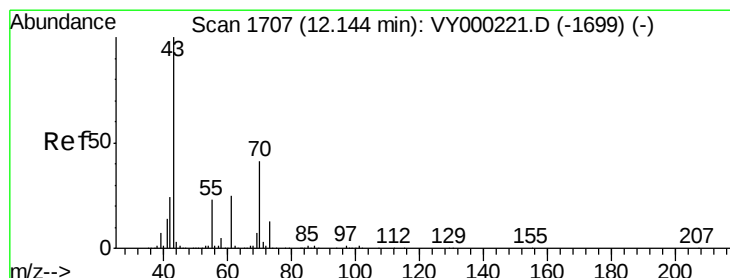
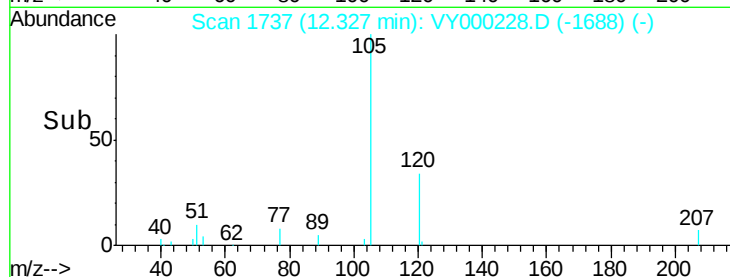
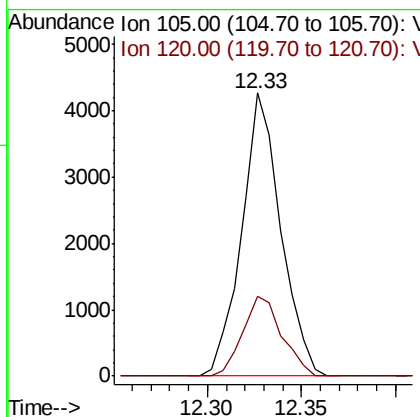
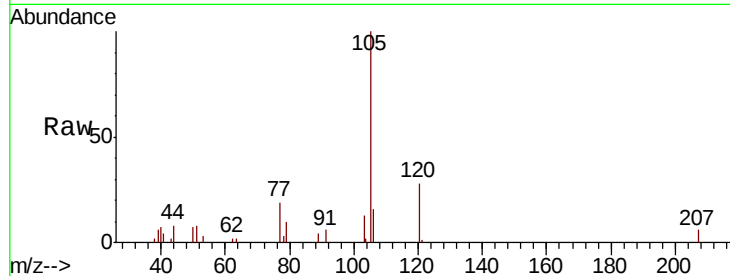
#73
Isopropylbenzene
Concen: 0.434 ug/l
RT: 12.33 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VY000228.D
Acq: 08 Oct 2019 18:52

Instrument :
MSVOA_Y
ClientSampleId :
0.5PPBMDL

Tot Ion	Ratio	Lower	Upper
105	100		
120	28.1	13.6	40.8

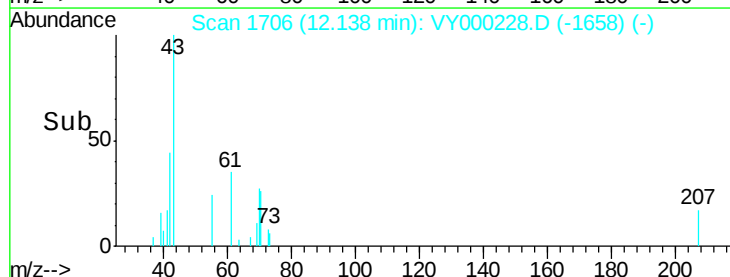
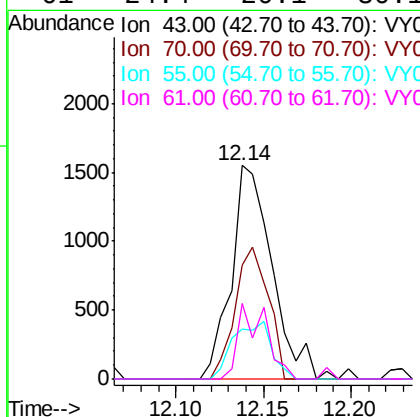
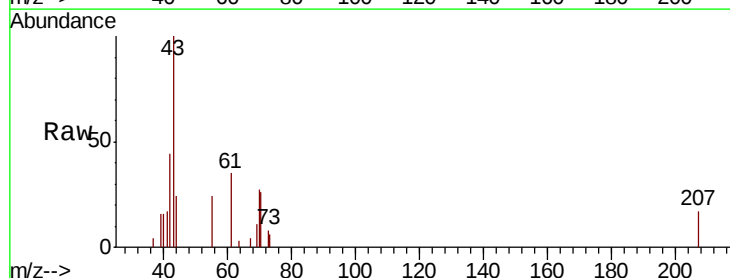
Manual Integrations
APPROVED

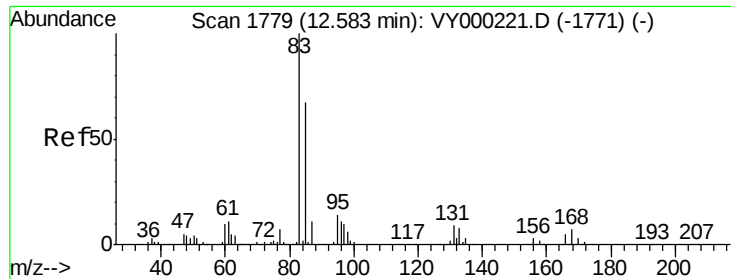
MMDadoda
10/10/2019 12:52:56 AM



#74
N-ethyl acetate
Concen: 0.375 ug/l
RT: 12.14 min Scan# 1706
Delta R.T. -0.01 min
Lab File: VY000228.D
Acq: 08 Oct 2019 18:52

Tgt Ion	Ratio	Lower	Upper
43	100		
70	50.2	34.9	52.3
55	25.1	18.2	27.2
61	24.4	20.1	30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 0.480 ug/l

RT: 12.59 min Scan# 1780

Delta R.T. 0.01 min

Lab File: VY000228.D

Acq: 08 Oct 2019 18:52

Instrument :

MSVOA_Y

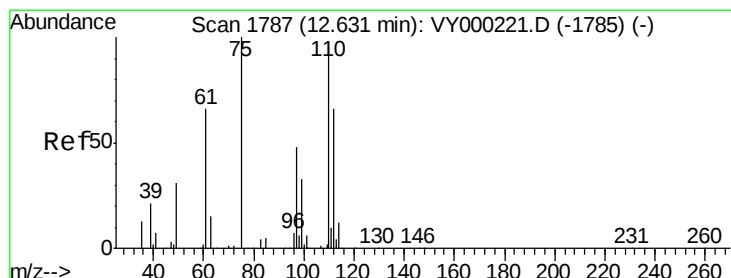
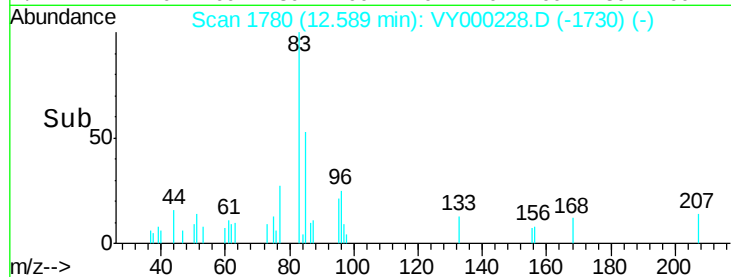
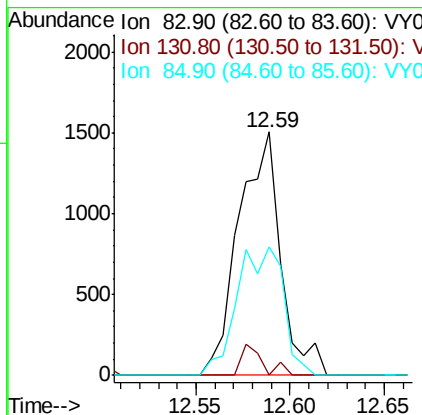
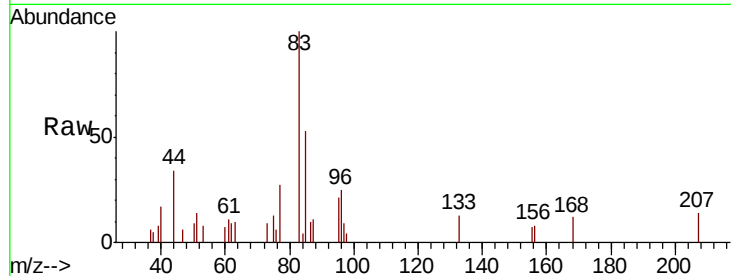
ClientSampleId :

0.5PPBMDL

Tot Ion:	83	Resp:	2319
Ion Ratio	Lower	Upper	
83	100		
131	6.5	4.8	14.3
85	58.3	32.5	97.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 0.508 ug/l m

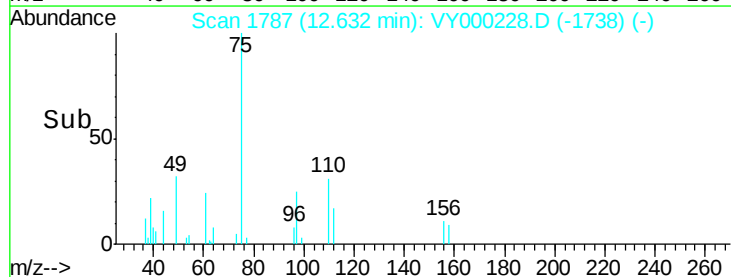
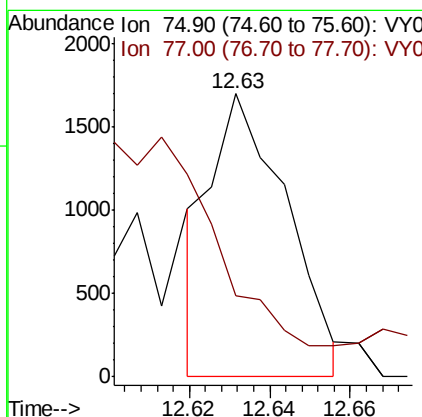
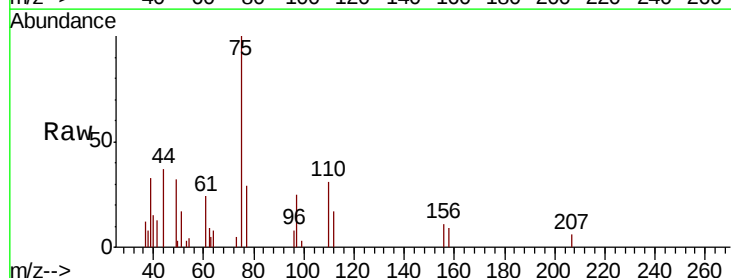
RT: 12.63 min Scan# 1787

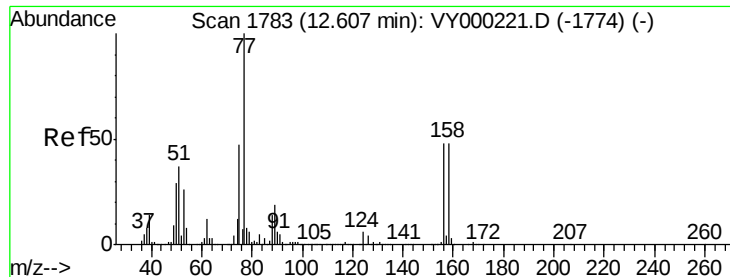
Delta R.T. 0.00 min

Lab File: VY000228.D

Acq: 08 Oct 2019 18:52

Tgt Ion:	75	Resp:	2238
Ion Ratio	Lower	Upper	
75	100		
77	154.8	0.0	0.0#





#77

Bromobenzene

Concen: 0.577 ug/l

RT: 12.61 min Scan# 1784

Delta R.T. 0.01 min

Lab File: VY000228.D

Acq: 08 Oct 2019 18:52

Instrument :

MSVOA_Y

ClientSampleId :

0.5PPBMDL

Tot Ion:156 Resp: 1914

Ion Ratio Lower Upper

156 100

77 181.0 118.1 354.3

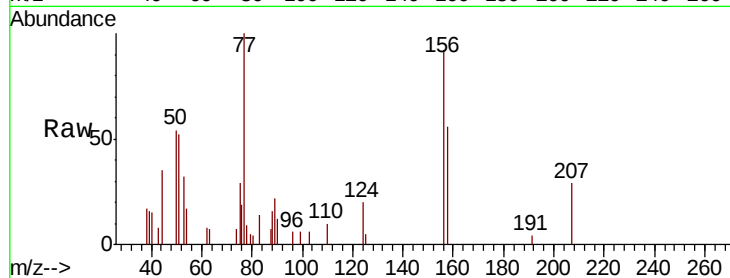
158 76.3 47.8 143.3

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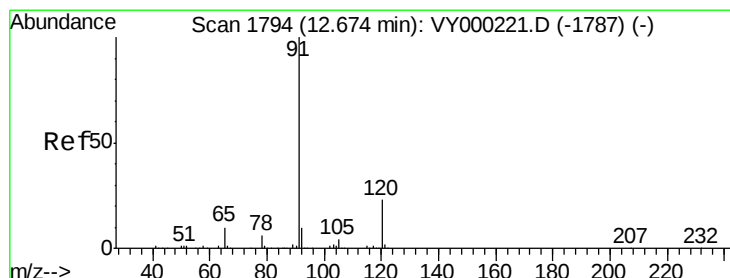
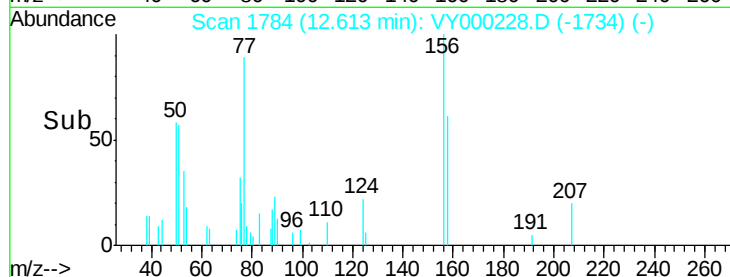
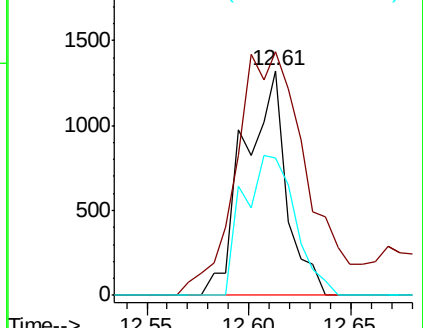
10/10/2019 12:52:56 AM



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: 0.402 ug/l

RT: 12.67 min Scan# 1794

Delta R.T. 0.00 min

Lab File: VY000228.D

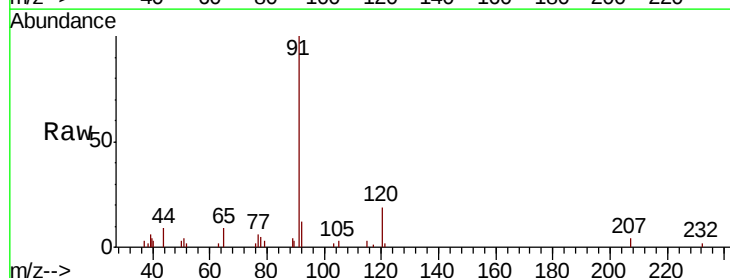
Acq: 08 Oct 2019 18:52

Tgt Ion: 91 Resp: 6647

Ion Ratio Lower Upper

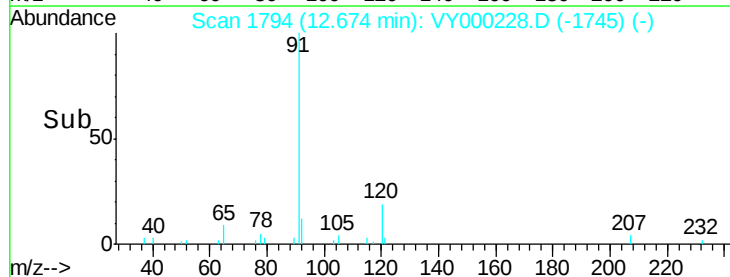
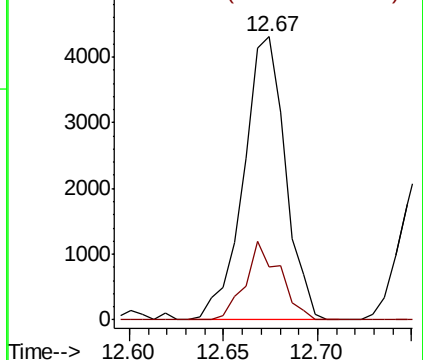
91 100

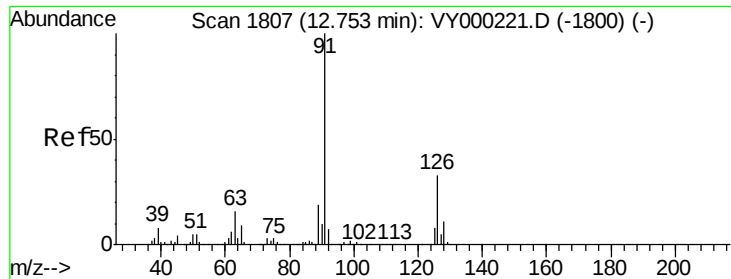
120 23.1 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 0.416 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VY000228.D

Acq: 08 Oct 2019 18:52

Instrument :

MSVOA_Y

ClientSampleId :

0.5PPBMDL

Tot Ion: 91 Resp: 3959

Ion Ratio Lower Upper

91 100

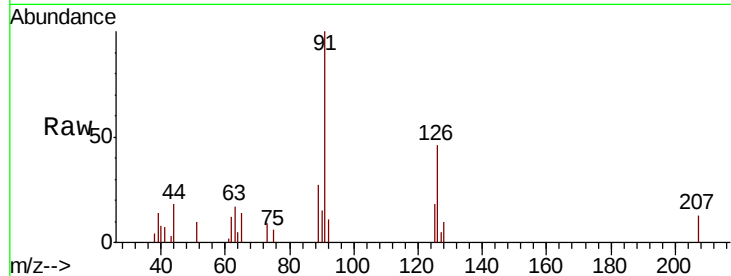
126 37.0 17.2 51.6

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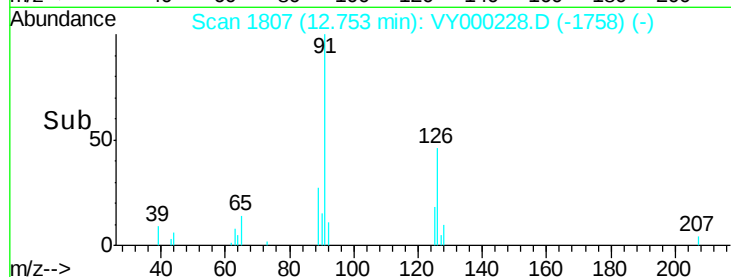
10/10/2019 12:52:56 AM



Abundance Ion 91.00 (90.70 to 91.70): VY000221.D (-1800) (-)

Ion 125.90 (125.60 to 126.60): VY000221.D (-1800) (-)

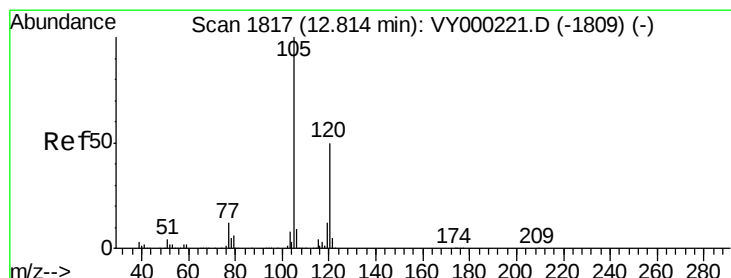
Time-->



Abundance Ion 91.00 (90.70 to 91.70): VY000228.D (-1758) (-)

Ion 125.90 (125.60 to 126.60): VY000228.D (-1758) (-)

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 0.459 ug/l

RT: 12.81 min Scan# 1817

Delta R.T. 0.00 min

Lab File: VY000228.D

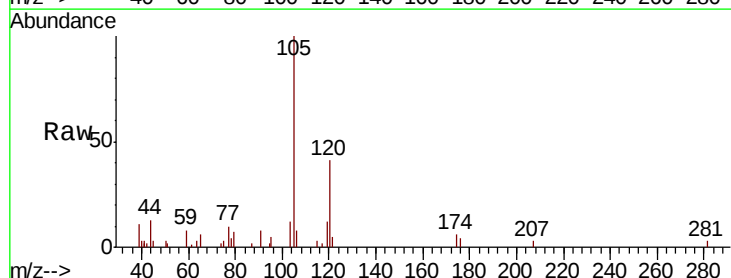
Acq: 08 Oct 2019 18:52

Tgt Ion: 105 Resp: 5416

Ion Ratio Lower Upper

105 100

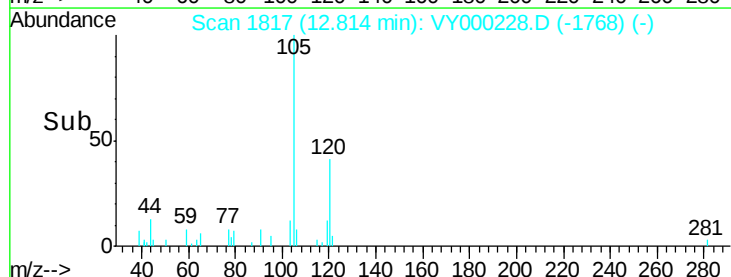
120 43.4 24.8 74.4



Abundance Ion 105.00 (104.70 to 105.70): VY000221.D (-1809) (-)

Ion 120.00 (119.70 to 120.70): VY000221.D (-1809) (-)

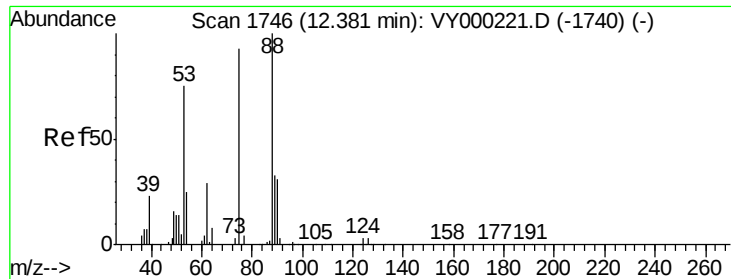
Time-->



Abundance Ion 105.00 (104.70 to 105.70): VY000228.D (-1768) (-)

Ion 120.00 (119.70 to 120.70): VY000228.D (-1768) (-)

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 0.368 ug/l m

RT: 12.38 min Scan# 1746

Delta R.T. 0.00 min

Lab File: VY000228.D

Acq: 08 Oct 2019 18:52

Instrument :

MSVOA_Y

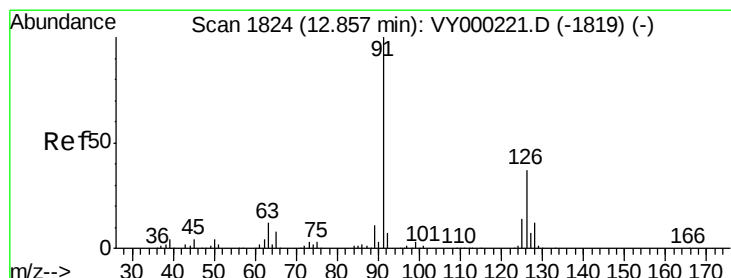
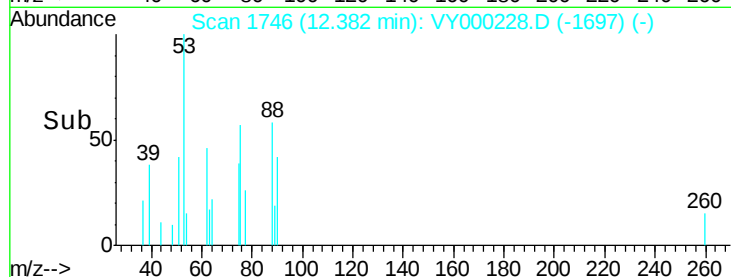
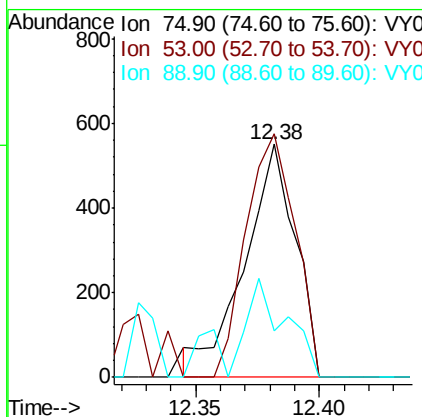
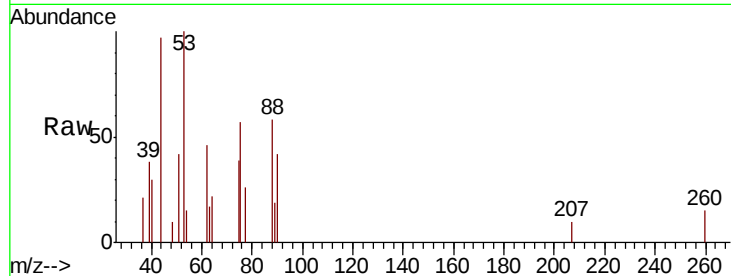
ClientSampleId :

0.5PPBMDL

Tot Ion:	75	Resp:	786
Ion Ratio	Lower	Upper	
75	100		
53	0.0	66.5	99.7#
89	11.6	46.9	70.3#

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#82

4-Chlorotoluene

Concen: 0.504 ug/l

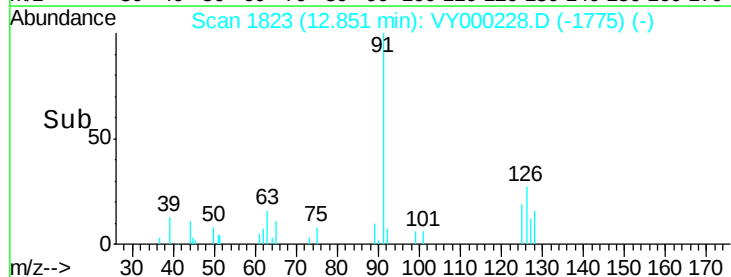
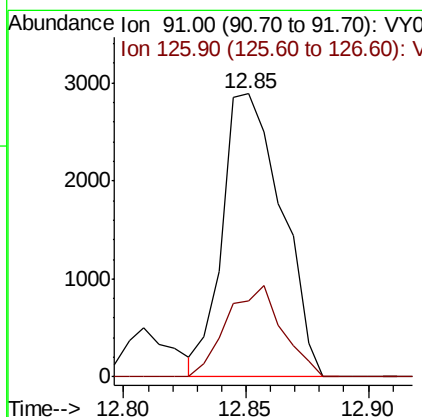
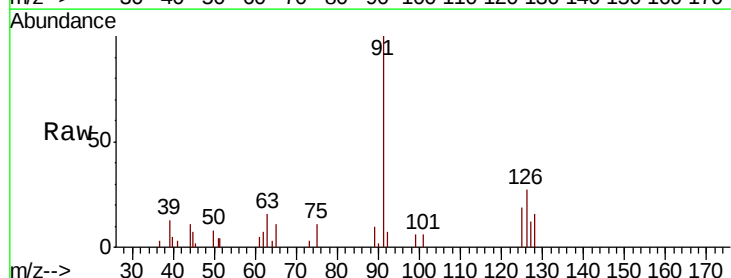
RT: 12.85 min Scan# 1823

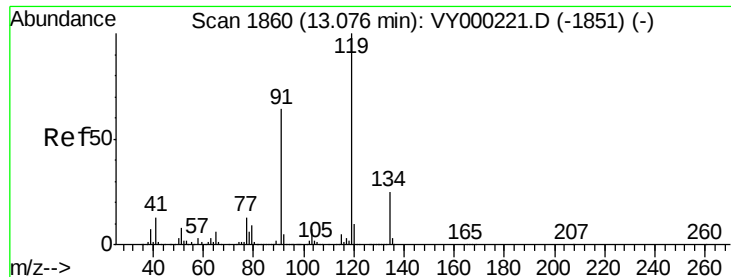
Delta R.T. -0.01 min

Lab File: VY000228.D

Acq: 08 Oct 2019 18:52

Tgt Ion:	91	Resp:	4862
Ion Ratio	Lower	Upper	
91	100		
126	30.2	17.3	52.0





#83

tert-Butylbenzene

Concen: 0.423 ug/l

RT: 13.07 min Scan# 1859

Delta R.T. -0.01 min

Lab File: VY000228.D

Acq: 08 Oct 2019 18:52

Instrument :

MSVOA_Y

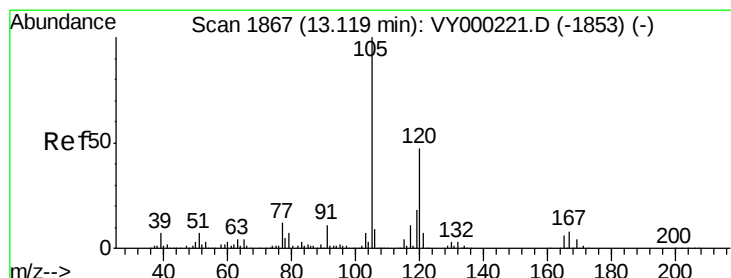
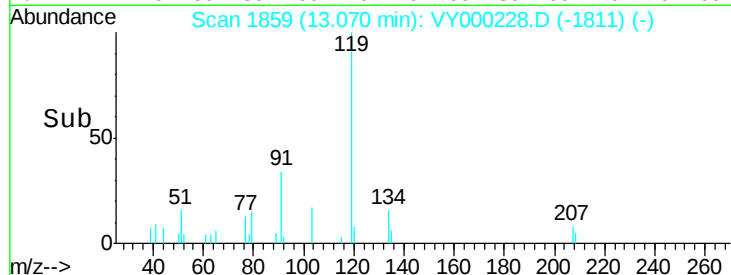
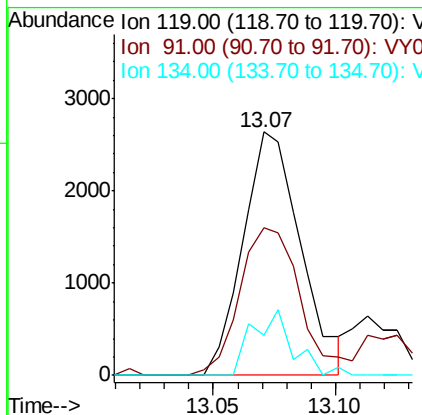
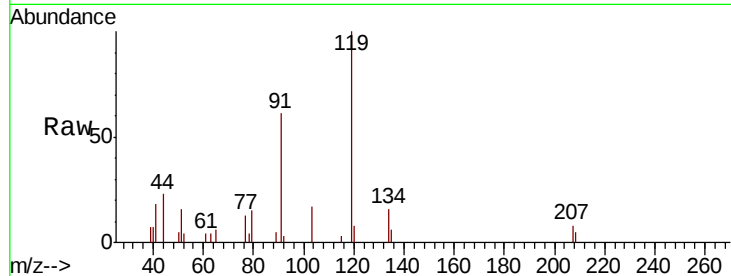
ClientSampleId :

0.5PPBMDL

Tot Ion:	119	Resp:	4344
Ion	Ratio	Lower	Upper
119	100		
91	64.2	32.4	97.2
134	19.0	13.2	39.6

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#84

1,2,4-Trimethylbenzene

Concen: 0.417 ug/l

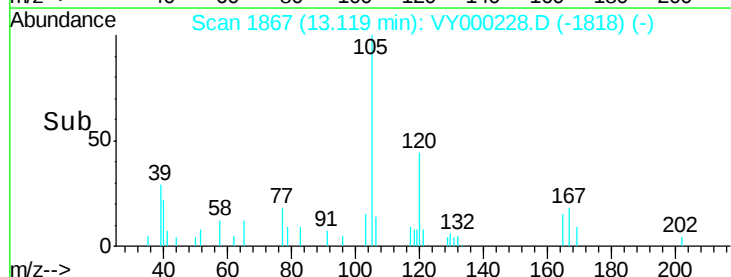
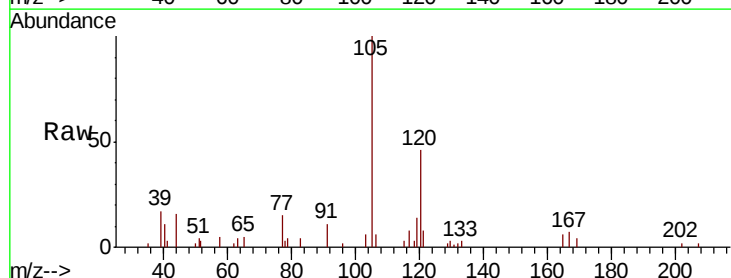
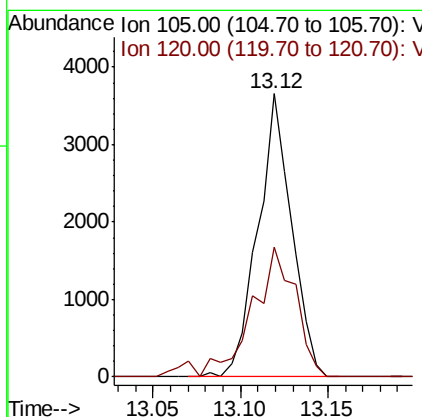
RT: 13.12 min Scan# 1867

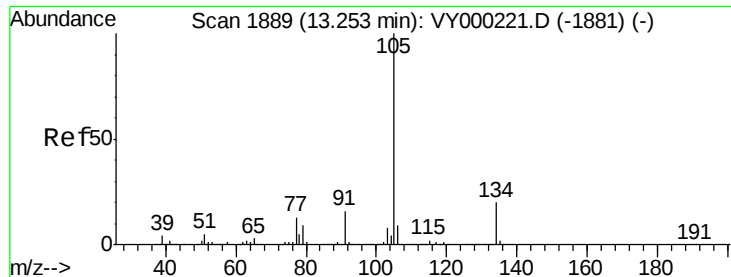
Delta R.T. 0.00 min

Lab File: VY000228.D

Acq: 08 Oct 2019 18:52

Tgt Ion:	105	Resp:	4922
Ion	Ratio	Lower	Upper
105	100		
120	57.9	22.8	68.3





#85

sec-Butylbenzene

Concen: 0.395 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. 0.00 min

Lab File: VY000228.D

Acq: 08 Oct 2019 18:52

Instrument :

MSVOA_Y

ClientSampleId :

0.5PPBMDL

Tot Ion:105 Resp: 5590

Ion Ratio Lower Upper

105 100

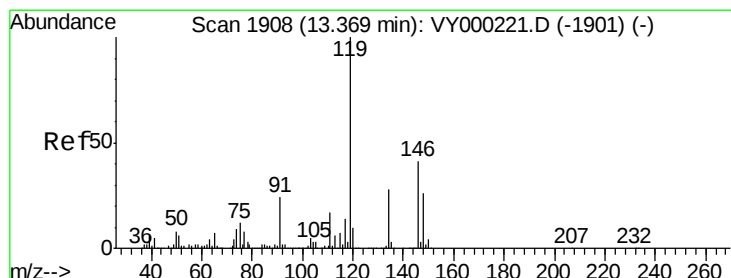
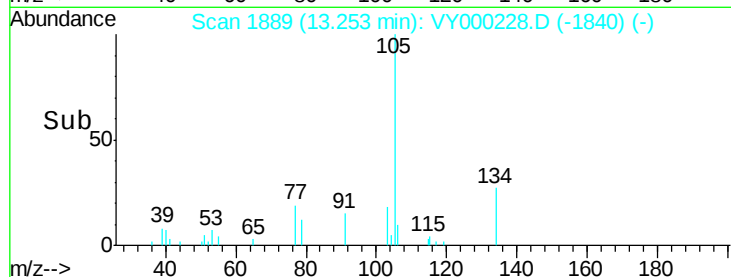
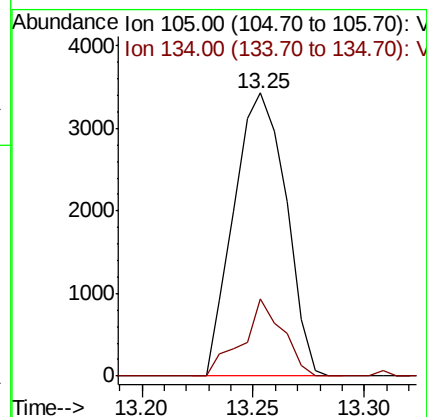
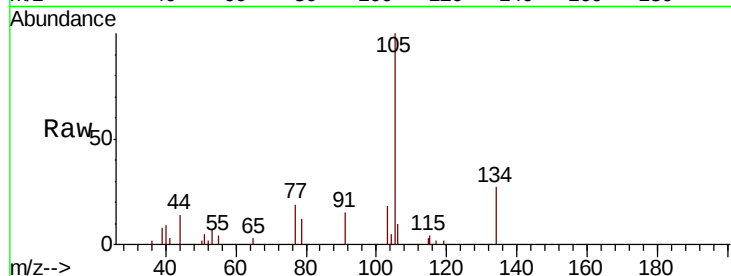
134 21.2 10.2 30.6

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#86

p-Isopropyltoluene

Concen: 0.438 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. 0.00 min

Lab File: VY000228.D

Acq: 08 Oct 2019 18:52

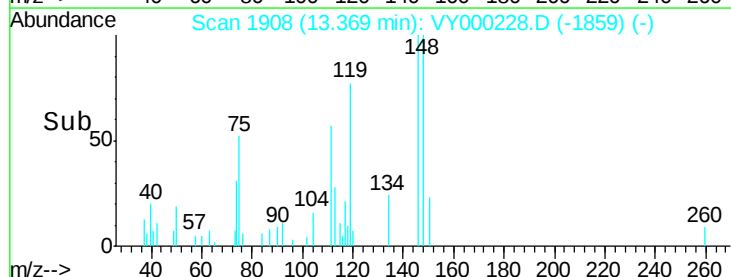
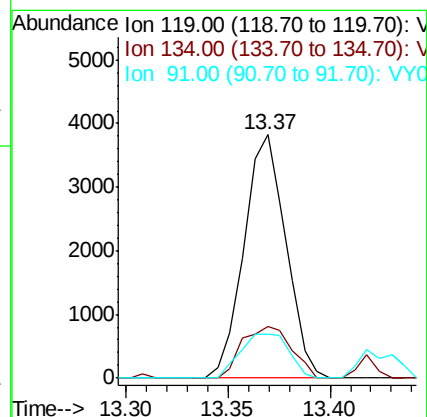
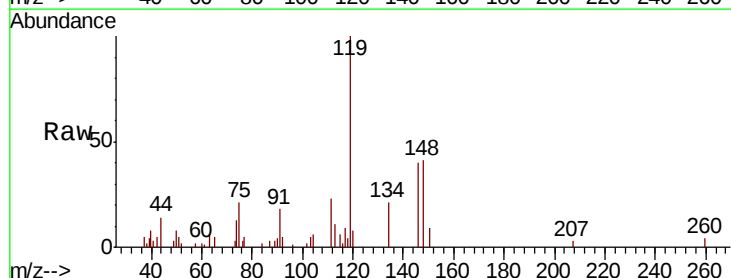
Tgt Ion:119 Resp: 5453

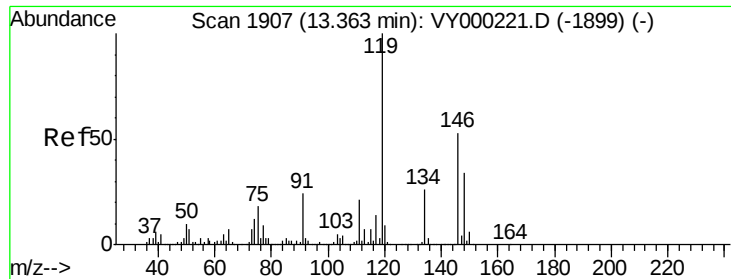
Ion Ratio Lower Upper

119 100

134 24.7 13.3 39.9

91 21.1 11.7 35.1





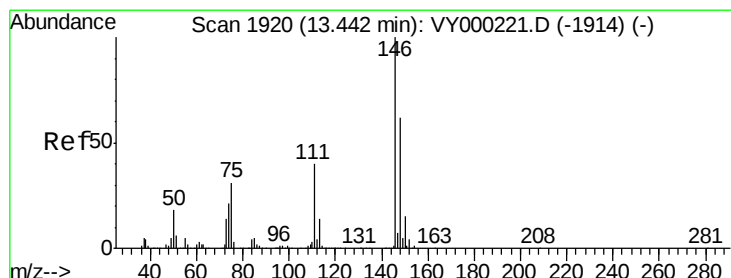
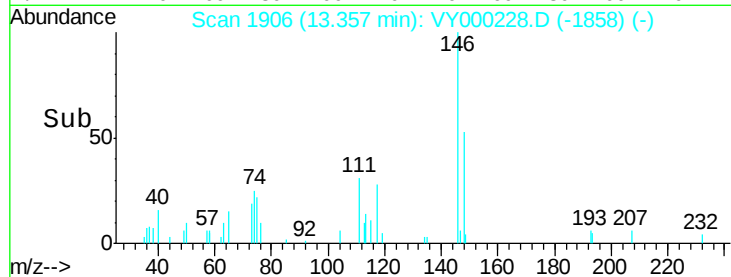
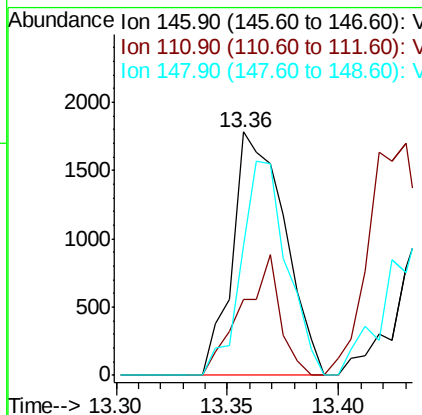
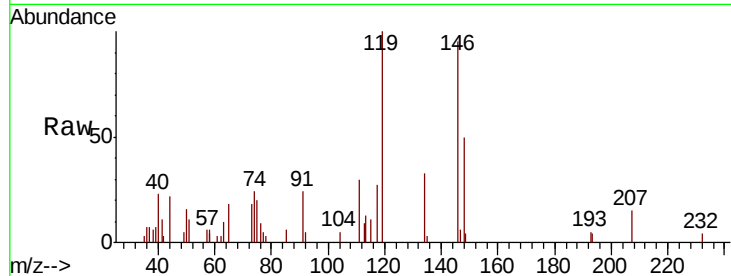
#87
 1,3-Dichlorobenzene
 Concen: 0.484 ug/l
 RT: 13.36 min Scan# 1906
 Delta R.T. -0.01 min
 Lab File: VY000228.D
 Acq: 08 Oct 2019 18:52

Instrument :
 MSVOA_Y
 ClientSampleId :
 0.5PPBMDL

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.3	20.3	60.8
148	77.2	31.7	95.1

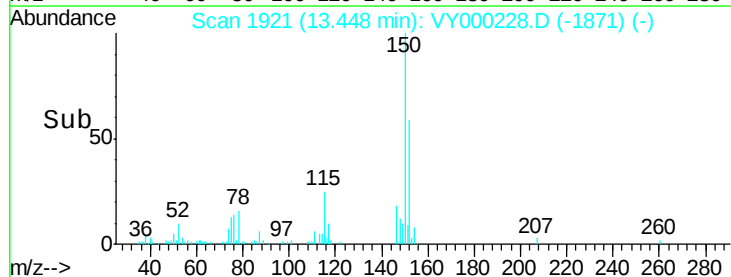
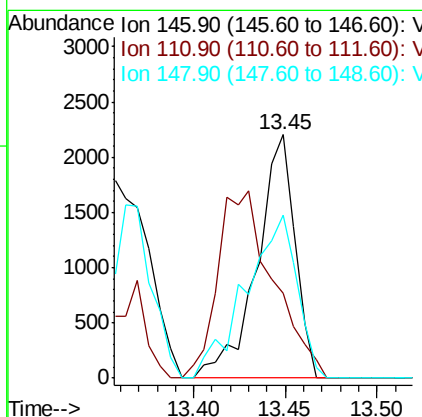
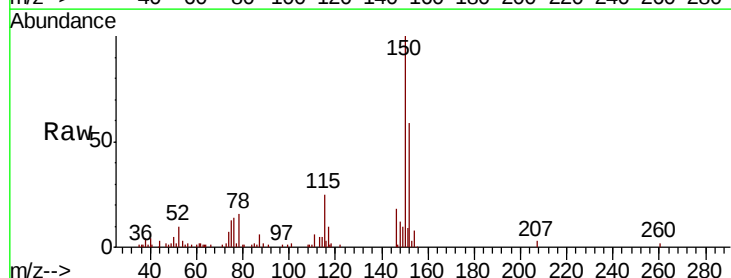
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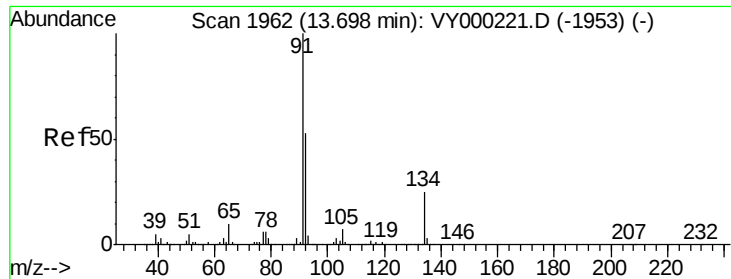
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#88
 1,4-Dichlorobenzene
 Concen: 0.507 ug/l m
 RT: 13.45 min Scan# 1921
 Delta R.T. 0.01 min
 Lab File: VY000228.D
 Acq: 08 Oct 2019 18:52

Tgt Ion	Ratio	Lower	Upper
146	100		
111	33.3	19.8	59.3
148	70.7	31.6	94.8





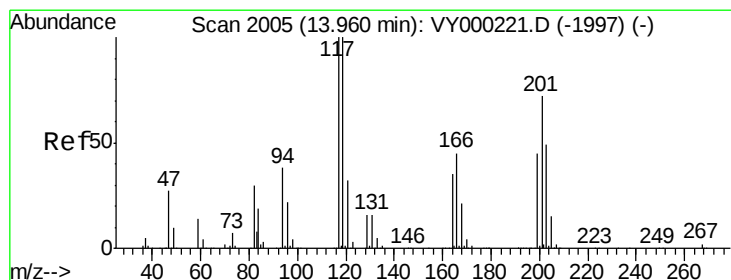
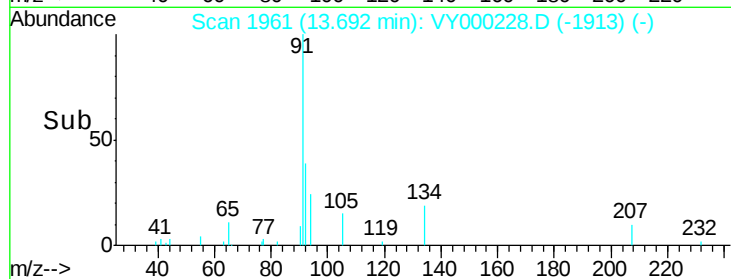
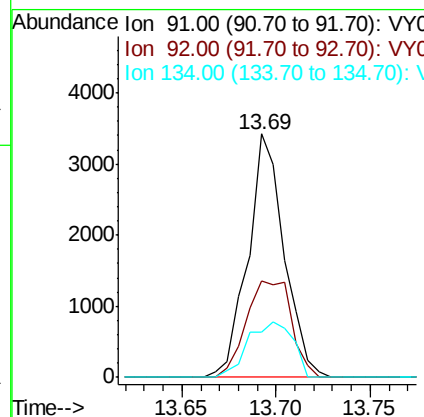
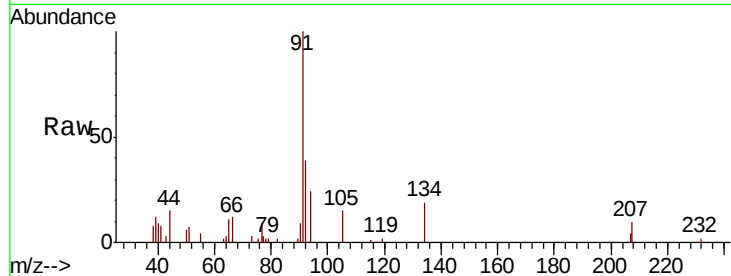
#89
n-Butylbenzene
Concen: 0.389 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. -0.01 min
Lab File: VY000228.D
Acq: 08 Oct 2019 18:52

Instrument :
MSVOA_Y
ClientSampleId :
0.5PPBMDL

Tot Ion	Ratio	Lower	Upper
91	100		
92	49.8	27.0	80.8
134	28.2	12.8	38.4

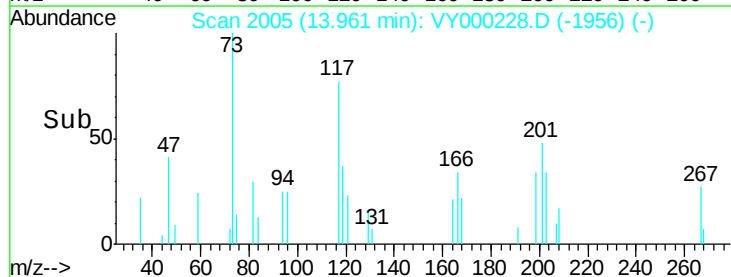
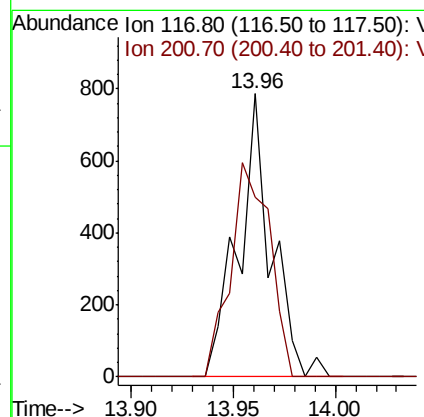
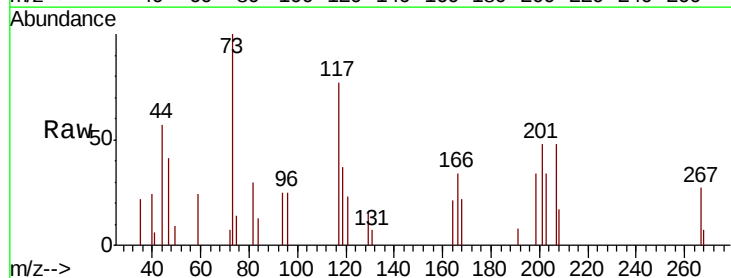
Manual Integrations
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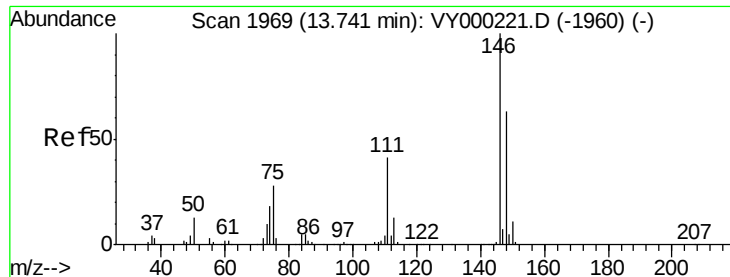
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#90
Hexachloroethane
Concen: 0.374 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. 0.00 min
Lab File: VY000228.D
Acq: 08 Oct 2019 18:52

Tgt Ion	Ratio	Lower	Upper
117	100		
201	89.4	35.5	106.5





#91

1,2-Dichlorobenzene

Concen: 0.510 ug/l

RT: 13.73 min Scan# 1968

Delta R.T. -0.01 min

Lab File: VY000228.D

Acq: 08 Oct 2019 18:52

Instrument :

MSVOA_Y

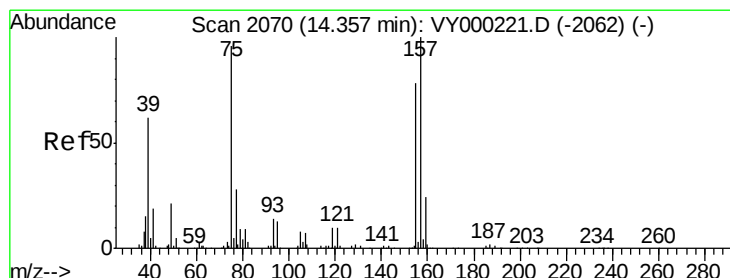
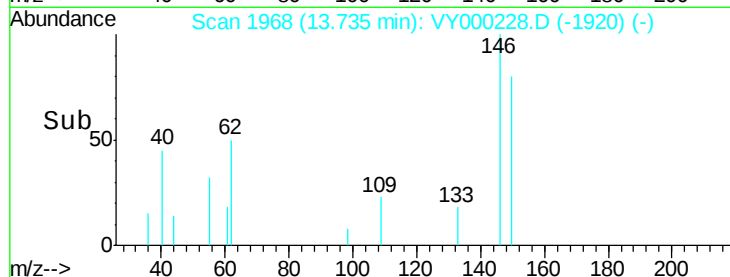
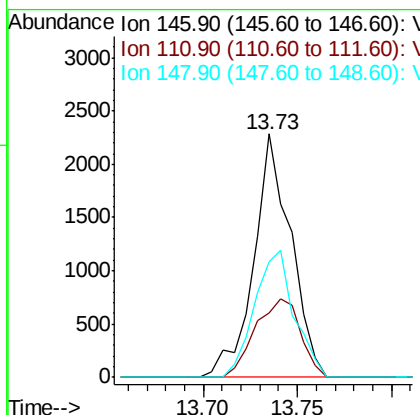
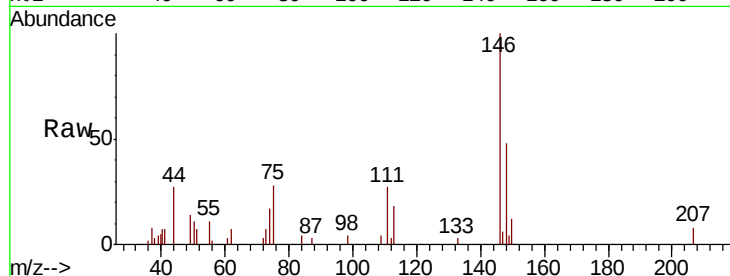
ClientSampleId :

0.5PPBMDL

Tot Ion:	146	Resp:	3103
Ion	Ratio	Lower	Upper
146	100		
111	39.6	20.9	62.8
148	55.8	31.6	95.0

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#92

1,2-Dibromo-3-Chloropropane

Concen: 0.509 ug/l

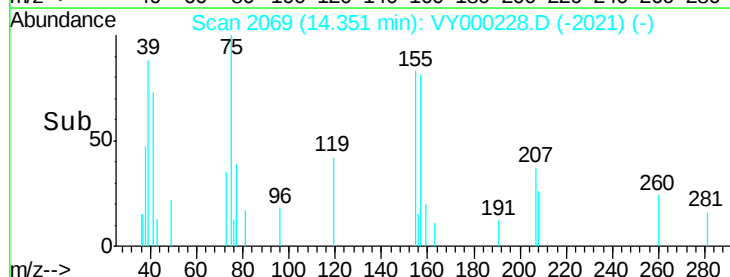
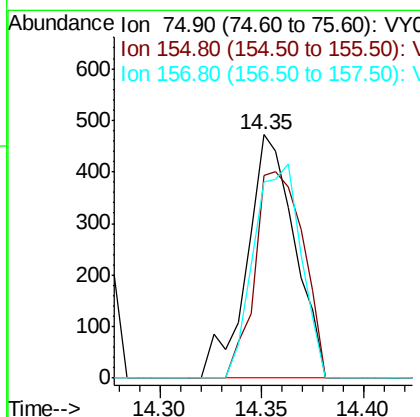
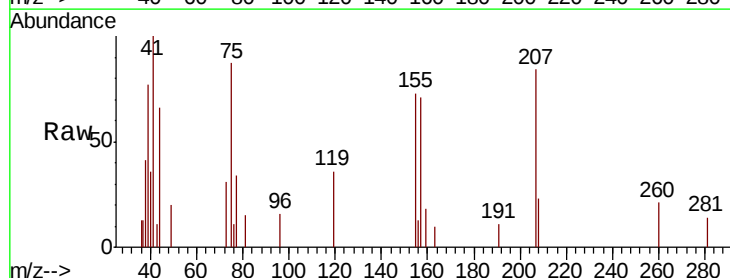
RT: 14.35 min Scan# 2069

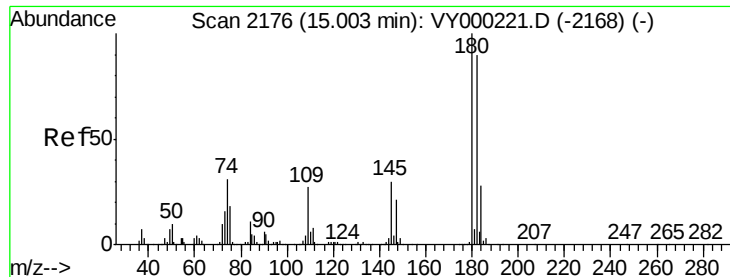
Delta R.T. -0.01 min

Lab File: VY000228.D

Acq: 08 Oct 2019 18:52

Tgt Ion:	75	Resp:	768
Ion	Ratio	Lower	Upper
75	100		
155	86.6	42.4	127.3
157	86.8	53.8	161.5





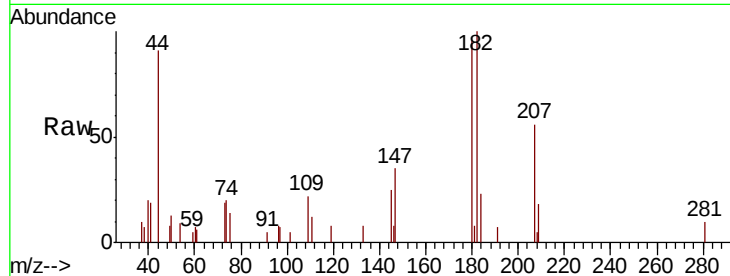
#93
 1,2,4-Trichlorobenzene
 Concen: 0.456 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. 0.01 min
 Lab File: VY000228.D
 Acq: 08 Oct 2019 18:52

Instrument :
 MSVOA_Y
 ClientSampleId :
 0.5PPBMDL

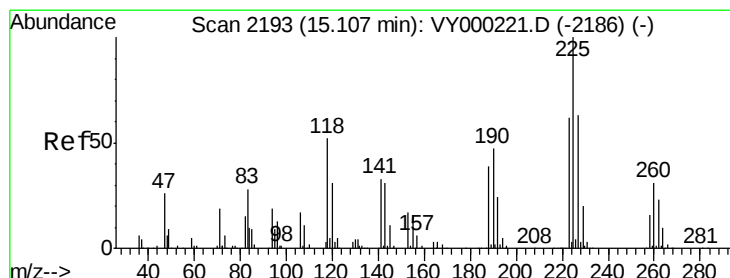
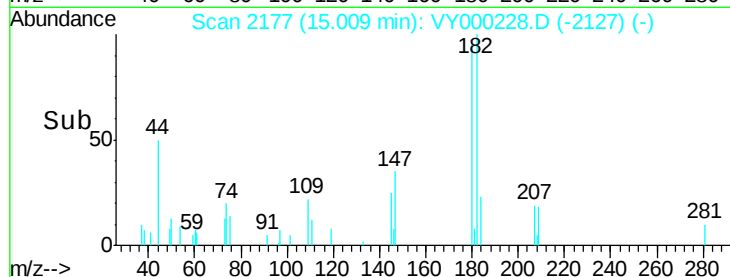
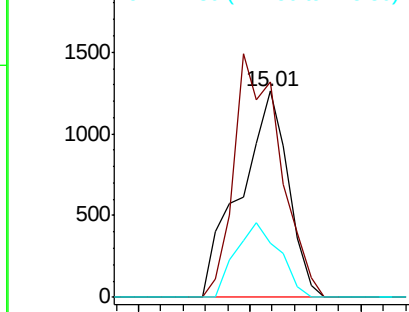
Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	113.4	47.2	141.6	
145	32.9	15.3	45.8	

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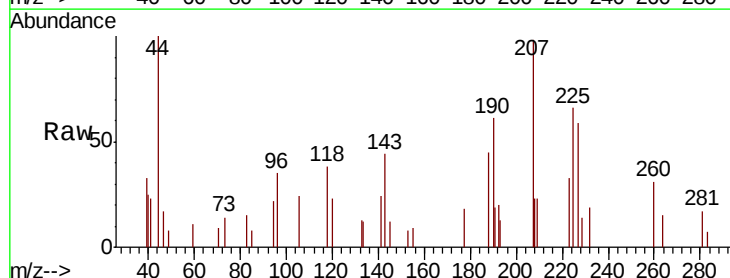


Abundance Ion 179.80 (179.50 to 180.50): V
 2000 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

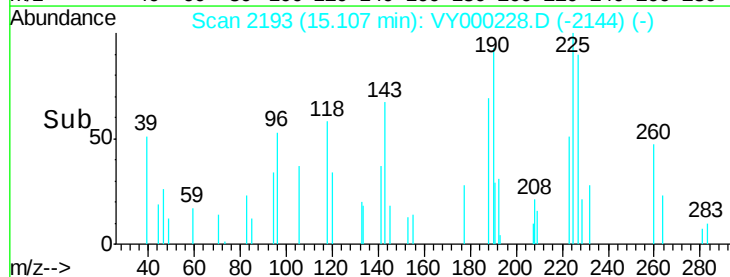
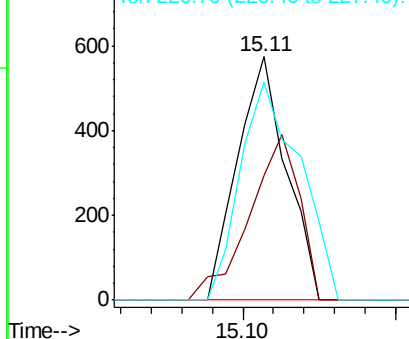


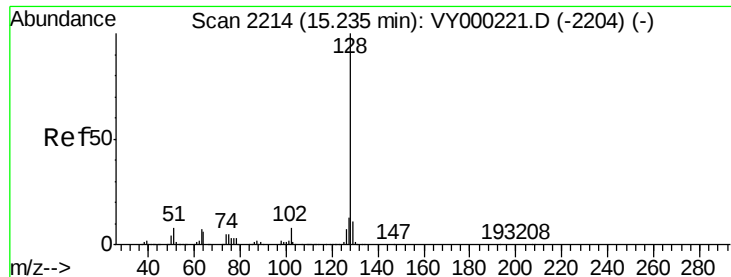
#94
 Hexachlorobutadiene
 Concen: 0.322 ug/l
 RT: 15.11 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VY000228.D
 Acq: 08 Oct 2019 18:52

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	69.6	31.9	95.5	
227	109.6	31.5	94.5	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





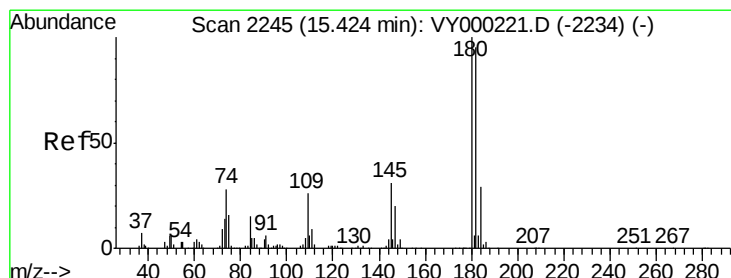
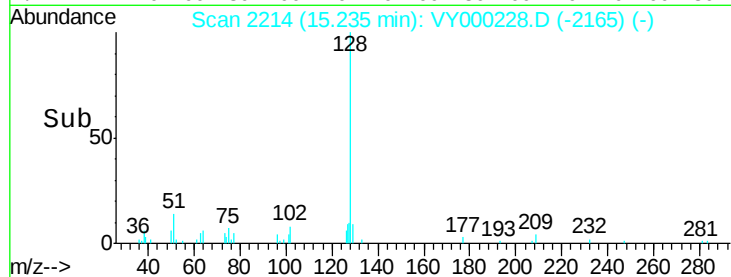
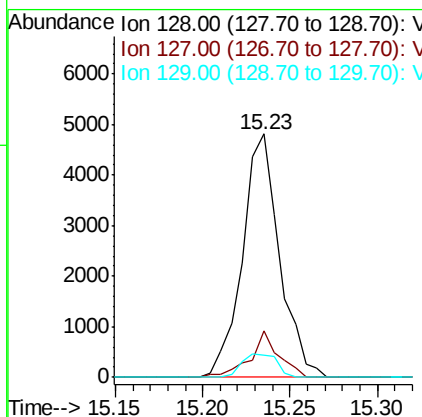
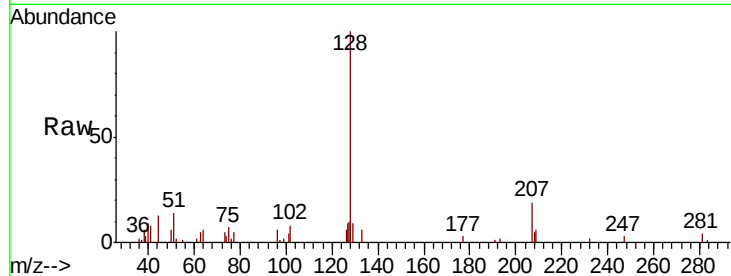
#95
Naphthalene
Concen: 0.456 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VY000228.D
Acq: 08 Oct 2019 18:52

Instrument :
MSVOA_Y
ClientSampleId :
0.5PPBMDL

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.8	10.2	15.2
129	8.9	8.6	13.0

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#96
1,2,3-Trichlorobenzene
Concen: 0.517 ug/l
RT: 15.43 min Scan# 2246
Delta R.T. 0.01 min
Lab File: VY000228.D
Acq: 08 Oct 2019 18:52

Tgt Ion	Ratio	Lower	Upper
180	100		
182	83.2	47.9	143.7
145	36.8	16.3	48.9

