

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY100819\
 Data File : VY000231.D
 Acq On : 08 Oct 2019 20:21
 Operator : SY/MD
 Sample : 2.5PPBMDL
 Misc : 5.0ml/MSVOA Y/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 2.5PPBMDL

Manual Integrations
 APPROVED

MMDadoda
 10/10/2019 12:52:32 AM

Quant Time: Oct 09 09:24:32 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	254734	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	417885	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	365231	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	166903	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	175097	53.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.88%	
35) Dibromofluoromethane	7.73	113	140108	53.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.62%	
50) Toluene-d8	10.19	98	513474	50.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.40%	
62) 4-Bromofluorobenzene	12.48	95	174016	48.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.42%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.90	85	5923	2.329	ug/l	97
3) Chloromethane	2.12	50	8943	2.582	ug/l	96
4) Vinyl Chloride	2.25	62	8358	2.338	ug/l #	87
5) Bromomethane	2.64	94	8821	3.910	ug/l	92
6) Chloroethane	2.79	64	5773	2.556	ug/l	96
7) Trichlorofluoromethane	3.12	101	11885	2.572	ug/l	94
8) Diethyl Ether	3.54	74	5567	2.635	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.91	101	7244	2.685	ug/l	92
10) Methyl Iodide	4.10	142	5681	1.428	ug/l #	96
11) Tert butyl alcohol	4.97	59	29282	16.451	ug/l	97
12) 1,1-Dichloroethene	3.88	96	7236	2.584	ug/l	96
13) Acrolein	3.74	56	14524	15.545	ug/l	98
14) Allyl chloride	4.49	41	13504	2.861	ug/l	95
15) Acrylonitrile	5.18	53	43025	13.694	ug/l	99
16) Acetone	3.96	43	39448	15.203	ug/l	95
17) Carbon Disulfide	4.19	76	17644	2.137	ug/l #	94
18) Methyl Acetate	4.49	43	20520	2.886	ug/l	96
19) Methyl tert-butyl Ether	5.24	73	27417	2.676	ug/l	100
20) Methylene Chloride	4.73	84	10947	3.211	ug/l #	84
21) trans-1,2-Dichloroethene	5.22	96	7980	2.533	ug/l #	68
22) Diisopropyl ether	6.13	45	28666	2.622	ug/l	98
23) Vinyl Acetate	6.07	43	124572	12.580	ug/l	100
24) 1,1-Dichloroethane	6.03	63	14490	2.598	ug/l #	96
25) 2-Butanone	7.00	43	67206	14.000	ug/l	97
26) 2,2-Dichloropropane	6.99	77	12437	2.470	ug/l	99
27) cis-1,2-Dichloroethene	6.99	96	9703	2.615	ug/l	99
28) Bromochloromethane	7.35	49	5406	2.945	ug/l #	96
29) Tetrahydrofuran	7.36	42	44193	13.035	ug/l	96
30) Chloroform	7.53	83	15180	2.623	ug/l	90
31) Cyclohexane	7.80	56	18396	3.266	ug/l #	79
32) 1,1,1-Trichloroethane	7.72	97	13205	2.684	ug/l	98
36) 1,1-Dichloropropene	7.92	75	10705	2.518	ug/l	98
37) Ethyl Acetate	7.08	43	19637	2.555	ug/l #	90
38) Carbon Tetrachloride	7.91	117	10780	2.601	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	12551	2.353	ug/l	86
40) Benzene	8.17	78	33092	2.566	ug/l	98
41) Methacrylonitrile	7.35	41	16810m	2.778	ug/l	
42) 1,2-Dichloroethane	8.25	62	12285	2.932	ug/l	99
43) Isopropyl Acetate	8.28	43	26888	2.718	ug/l #	97
44) Trichloroethene	8.95	130	9220	2.636	ug/l	90
45) 1,2-Dichloropropane	9.22	63	8325	2.577	ug/l #	87
46) Dibromomethane	9.32	93	5891	2.601	ug/l	96
47) Bromodichloromethane	9.50	83	11545	2.606	ug/l	98
48) Methyl methacrylate	9.30	41	11770	2.636	ug/l	94
49) 1,4-Dioxane	9.30	88	6328	55.199	ug/l	97
51) 4-Methyl-2-Pentanone	10.08	43	98941	13.306	ug/l	98
52) Toluene	10.25	92	20376	2.463	ug/l	95
53) t-1,3-Dichloropropene	10.47	75	12128	2.413	ug/l	100
54) cis-1,3-Dichloropropene	9.93	75	12908	2.373	ug/l #	79
55) 1,1,2-Trichloroethane	10.65	97	9478	2.906	ug/l	95
56) Ethyl methacrylate	10.52	69	14175	2.468	ug/l	97
57) 1,3-Dichloropropane	10.80	76	16604	2.981	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.79	63	35031	13.685	ug/l	96
59) 2-Hexanone	10.84	43	85608	13.584	ug/l	97
60) Dibromochloromethane	10.99	129	9325	2.704	ug/l	97
61) 1,2-Dibromoethane	11.10	107	9655	2.786	ug/l	95
64) Tetrachloroethene	10.72	164	9614	2.880	ug/l #	92
65) Chlorobenzene	11.52	112	22397	2.646	ug/l	90
66) 1,1,1,2-Tetrachloroethane	11.60	131	7680	2.538	ug/l	88
67) Ethyl Benzene	11.60	91	36689	2.425	ug/l	92
68) m/p-Xylenes	11.70	106	28281	4.899	ug/l	100
69) o-Xylene	12.03	106	14690	2.641	ug/l	95
70) Styrene	12.05	104	22853	2.385	ug/l	98
71) Bromoform	12.21	173	6147	2.462	ug/l #	99
73) Isopropylbenzene	12.33	105	35592	2.517	ug/l	96
74) N-amyl acetate	12.14	43	16495	2.449	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.58	83	13626	2.823	ug/l	97
76) 1,2,3-Trichloropropane	12.63	75	11981m	2.719	ug/l	
77) Bromobenzene	12.61	156	9167	2.764	ug/l	98
78) n-propylbenzene	12.67	91	41400	2.506	ug/l	99
79) 2-Chlorotoluene	12.76	91	24981	2.626	ug/l	94
80) 1,3,5-Trimethylbenzene	12.81	105	29618	2.510	ug/l	93
81) trans-1,4-Dichloro-2-buten	12.38	75	4644	2.174	ug/l #	77
82) 4-Chlorotoluene	12.86	91	23812	2.472	ug/l	99
83) tert-Butylbenzene	13.08	119	25111	2.448	ug/l	95
84) 1,2,4-Trimethylbenzene	13.12	105	29688	2.518	ug/l	99
85) sec-Butylbenzene	13.25	105	34309	2.427	ug/l	98
86) p-Isopropyltoluene	13.37	119	30477	2.451	ug/l	97
87) 1,3-Dichlorobenzene	13.36	146	16276	2.708	ug/l	97
88) 1,4-Dichlorobenzene	13.44	146	16907	2.700	ug/l	84
89) n-Butylbenzene	13.70	91	26196	2.236	ug/l	95
90) Hexachloroethane	13.95	117	5993	2.548	ug/l	97
91) 1,2-Dichlorobenzene	13.74	146	16197	2.662	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.35	75	4153	2.756	ug/l	98

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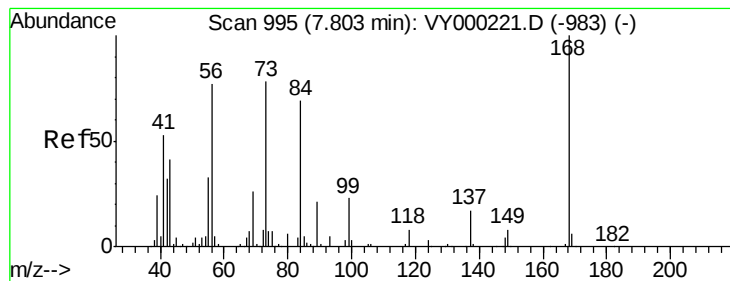
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	10049	2.433	ug/l	94
94) Hexachlorobutadiene	15.11	225	4971	2.518	ug/l	96
95) Naphthalene	15.23	128	41079	2.643	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	10487	2.639	ug/l	98

(#) = 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: VY000231.D

Acq: 08 Oct 2019 20:21

Instrument :

MSVOA_Y

ClientSampleId :

2.5PPBMDL

Tot Ion:168 Resp: 254734

Ion Ratio Lower Upper

168 100

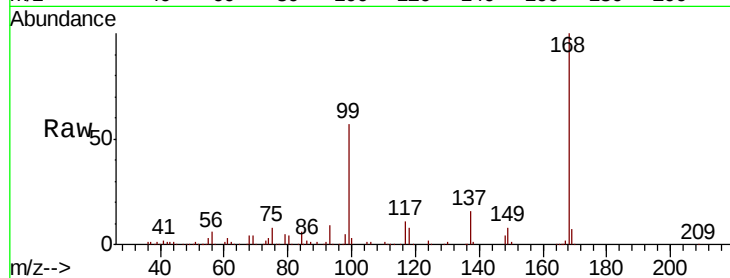
99 56.6 45.0 67.6

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Abundance Ion 167.90 (167.60 to 168.60): VY000231.D (-946) (-)

Ion 98.90 (98.60 to 99.60): VY000231.D (-946) (-)

7.80

120000

100000

80000

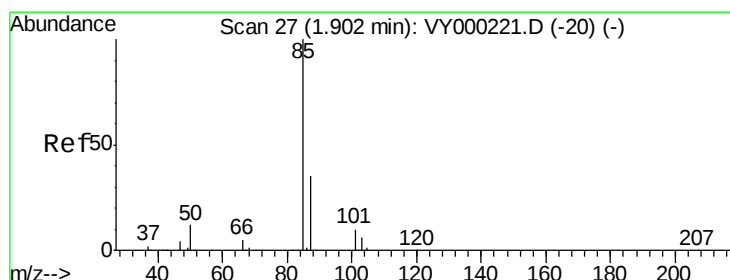
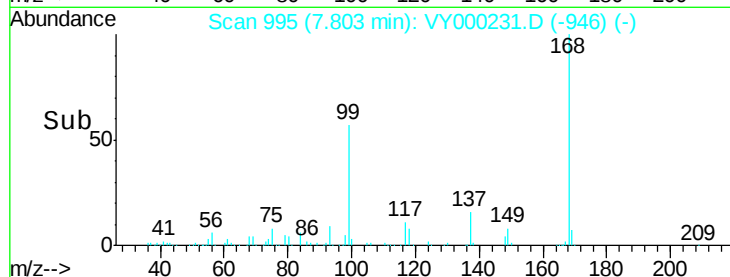
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 2.329 ug/l

RT: 1.90 min Scan# 27

Delta R.T. 0.00 min

Lab File: VY000231.D

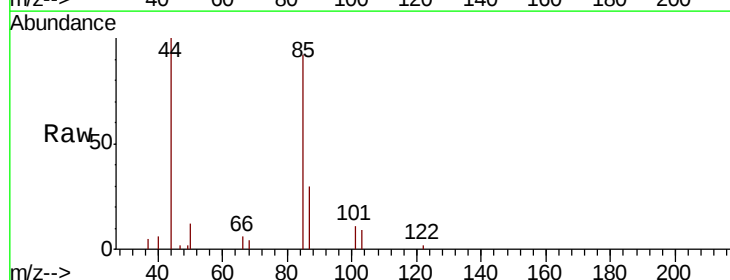
Acq: 08 Oct 2019 20:21

Tgt Ion: 85 Resp: 5923

Ion Ratio Lower Upper

85 100

87 32.9 17.4 52.2



Abundance Ion 84.90 (84.60 to 85.60): VY000231.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VY000231.D (-1) (-)

1.90

4000

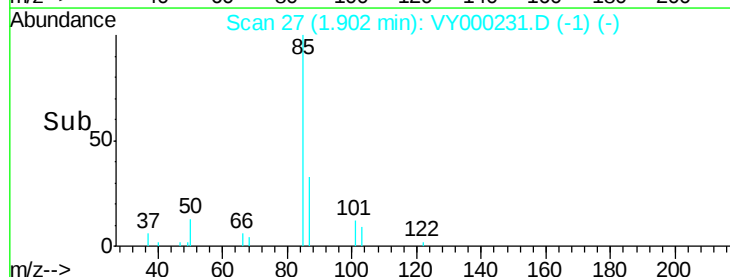
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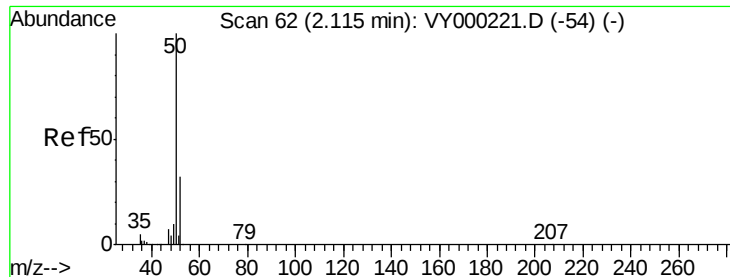
2000

1000

0

Time-->





#3

Chloromethane

Concen: 2.582 ug/l

RT: 2.12 min Scan# 62

Delta R.T. 0.00 min

Lab File: VY000231.D

Acq: 08 Oct 2019 20:21

Instrument :

MSVOA_Y

ClientSampleId :

2.5PPBMDL

Tot Ion: 50 Resp: 8943

Ion Ratio Lower Upper

50 100

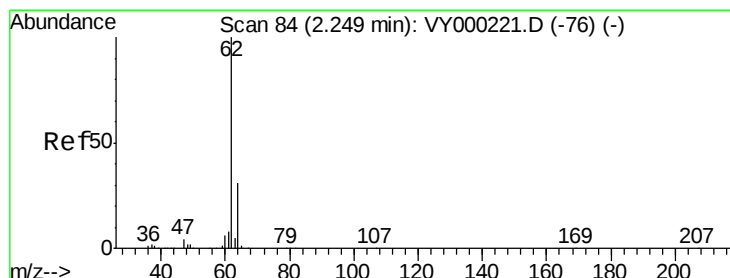
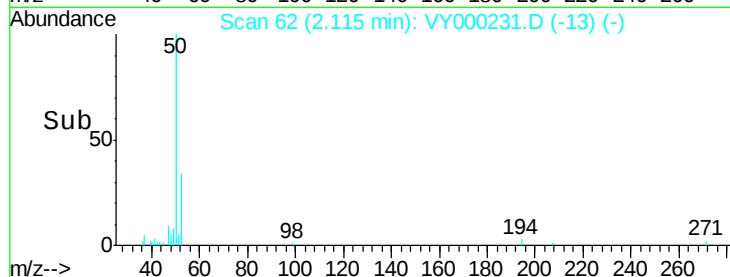
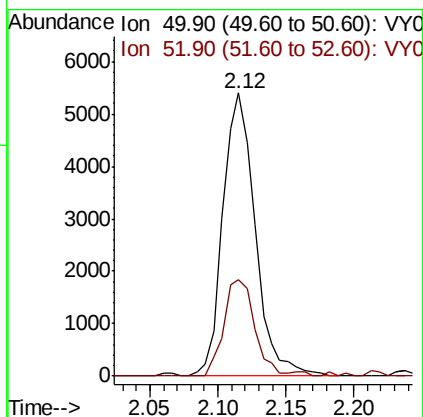
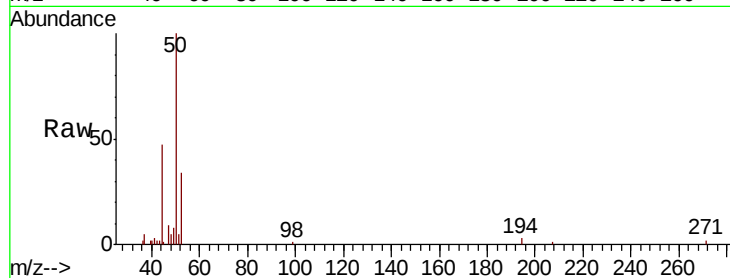
52 34.1 25.4 38.0

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#4

Vinyl Chloride

Concen: 2.338 ug/l

RT: 2.25 min Scan# 84

Delta R.T. 0.00 min

Lab File: VY000231.D

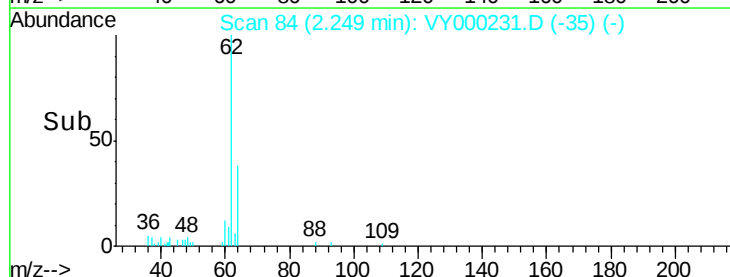
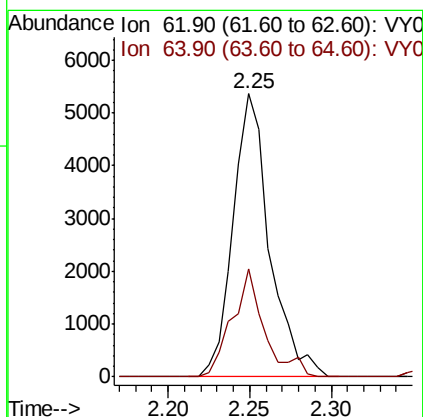
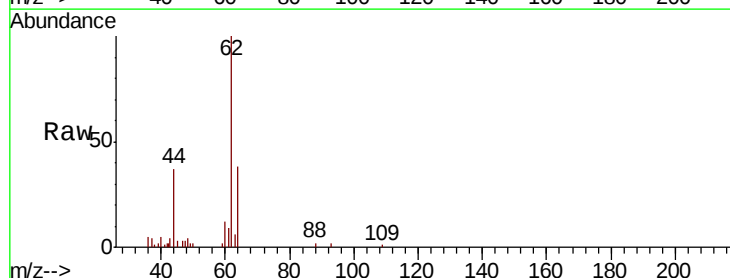
Acq: 08 Oct 2019 20:21

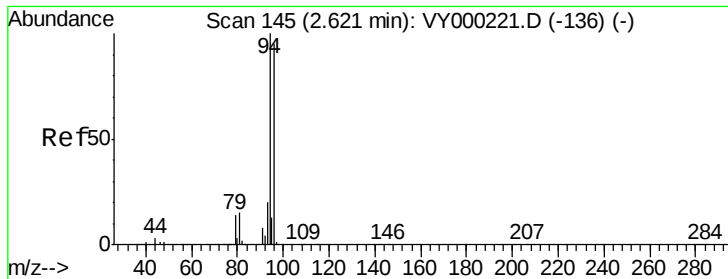
Tgt Ion: 62 Resp: 8358

Ion Ratio Lower Upper

62 100

64 38.4 25.0 37.6#





#5

Bromomethane

Concen: 3.910 ug/l

RT: 2.64 min Scan# 148

Delta R.T. 0.02 min

Lab File: VY000231.D

Acq: 08 Oct 2019 20:21

Instrument :

MSVOA_Y

ClientSampleId :

2.5PPBMDL

Tot Ion: 94 Resp: 8821

Ion Ratio Lower Upper

94 100

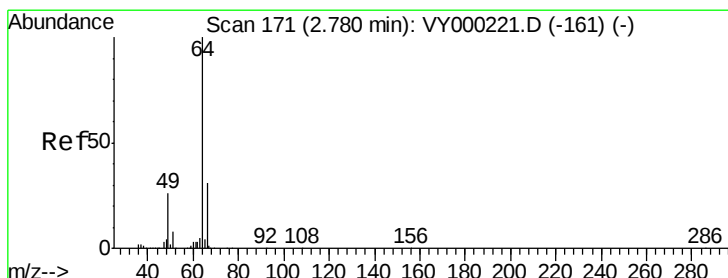
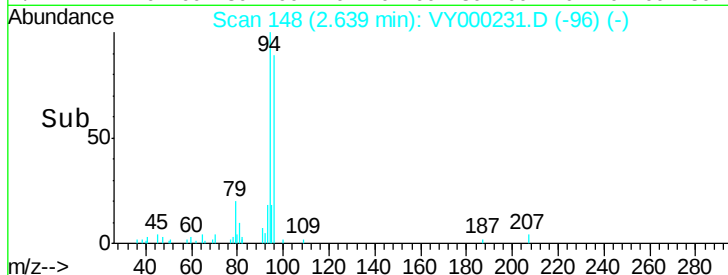
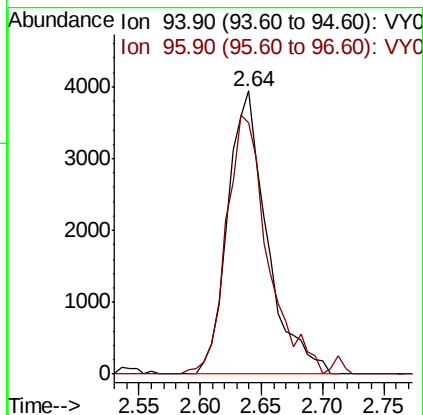
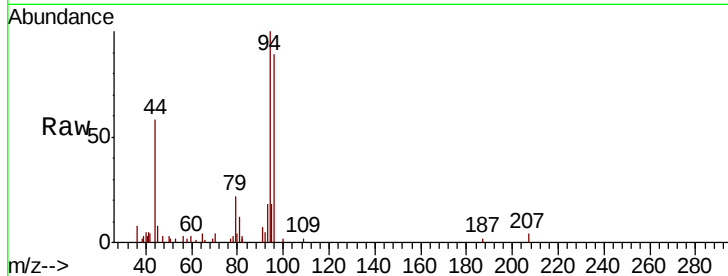
96 87.1 75.7 113.5

Manual Integrations

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#6

Chloroethane

Concen: 2.556 ug/l

RT: 2.79 min Scan# 173

Delta R.T. 0.01 min

Lab File: VY000231.D

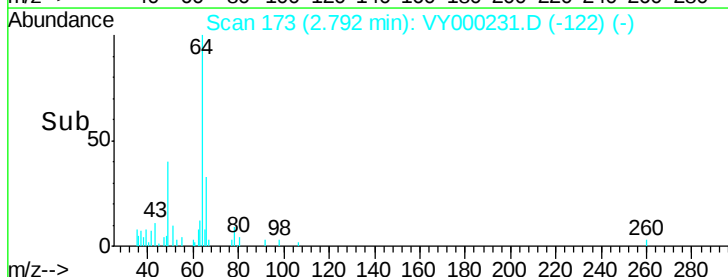
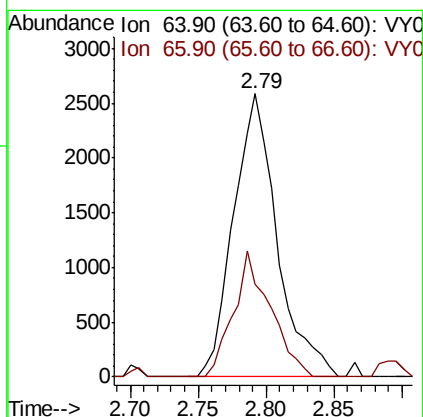
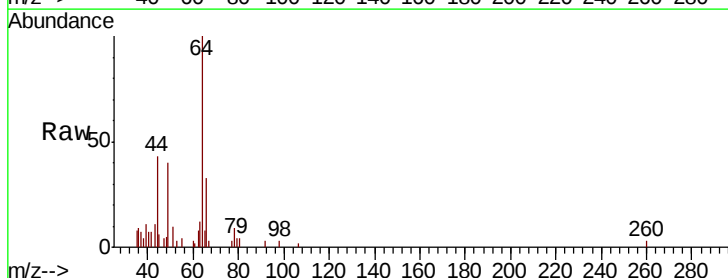
Acq: 08 Oct 2019 20:21

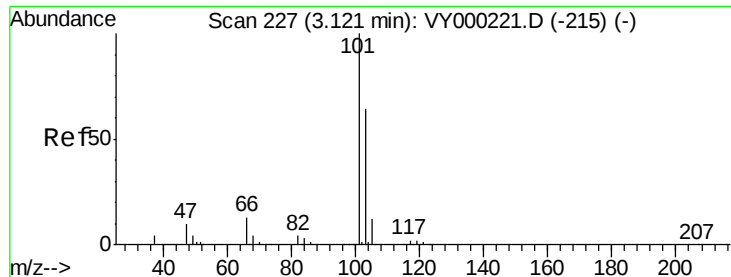
Tgt Ion: 64 Resp: 5773

Ion Ratio Lower Upper

64 100

66 32.8 24.5 36.7





#7

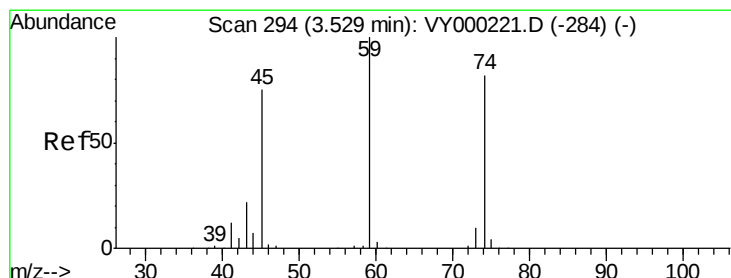
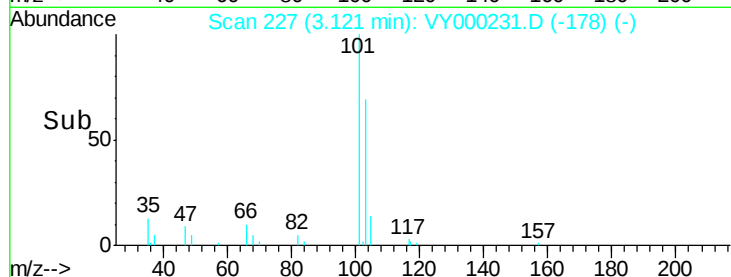
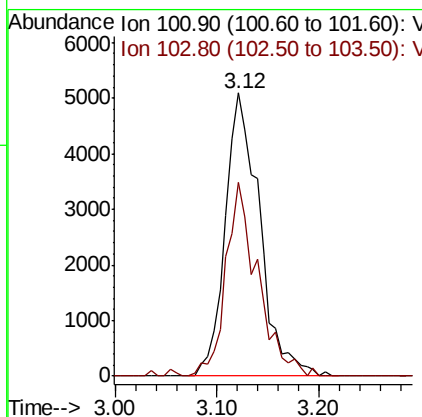
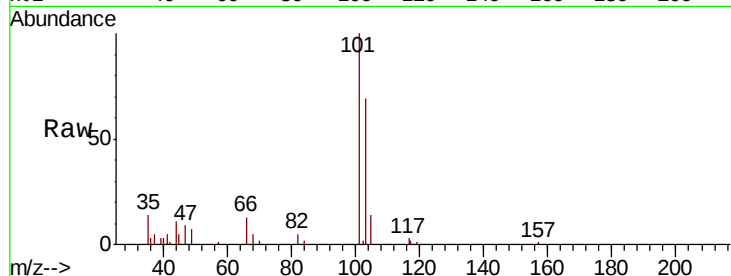
Trichlorofluoromethane
Concen: 2.572 ug/l
RT: 3.12 min Scan# 227
Delta R.T. 0.00 min
Lab File: VY000231.D
Acq: 08 Oct 2019 20:21

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2.5PPBMDL

Tot Ion	Ratio	Lower	Upper
101	100		
103	68.6	51.0	76.6

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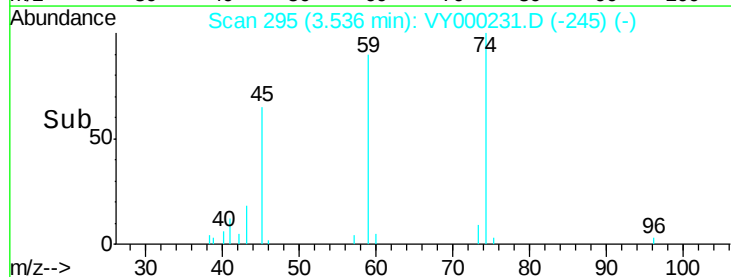
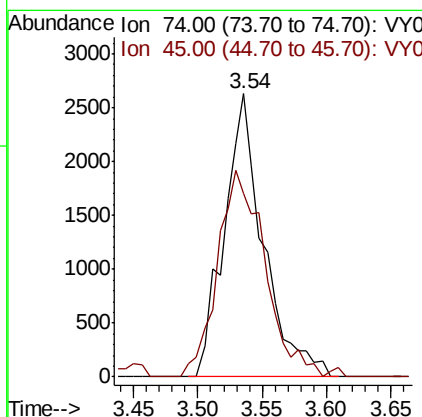
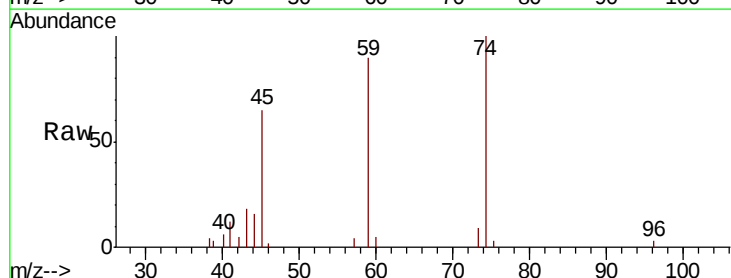
MMDadoda
10/10/2019 12:52:32 AM

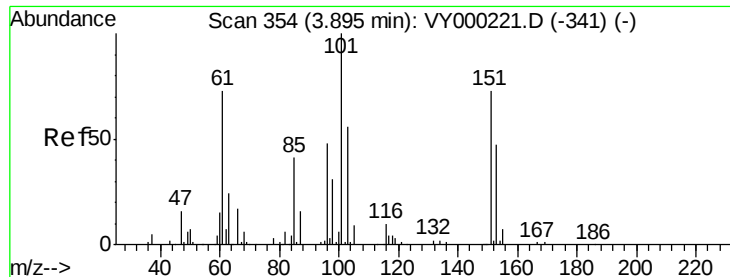


#8

Diethyl Ether
Concen: 2.635 ug/l
RT: 3.54 min Scan# 295
Delta R.T. 0.01 min
Lab File: VY000231.D
Acq: 08 Oct 2019 20:21

Tgt Ion	Ratio	Lower	Upper
74	100		
45	88.1	45.8	137.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.685 ug/l

RT: 3.91 min Scan# 356

Delta R.T. 0.01 min

Lab File: VY000231.D

Acq: 08 Oct 2019 20:21

Instrument :

MSVOA_Y

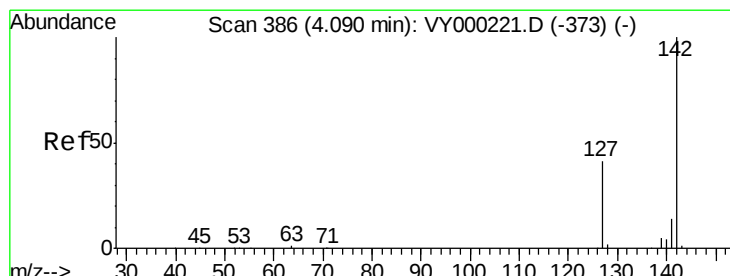
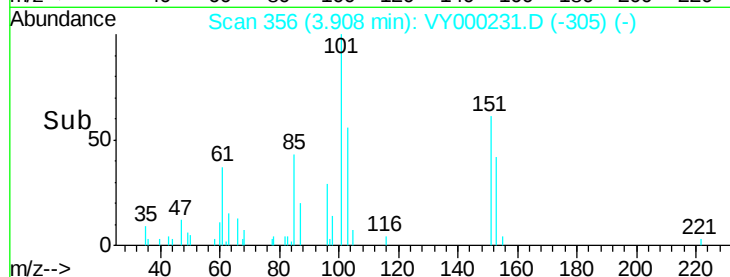
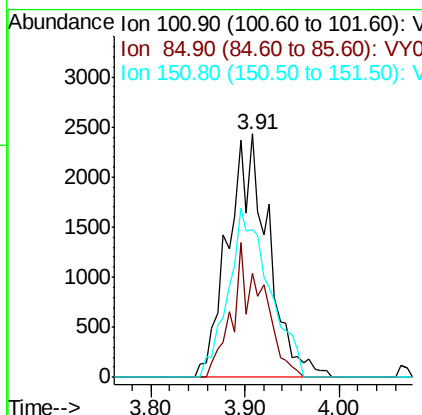
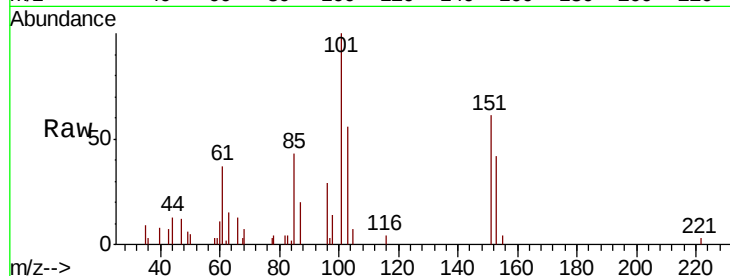
ClientSampleId :

2.5PPBMDL

Tot Ion:	101	Resp:	7244
Ion Ratio	Lower	Upper	
101	100		
85	42.1	37.0	55.6
151	70.5	63.0	94.4

Manual Integrations
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#10

Methyl Iodide

Concen: 1.428 ug/l

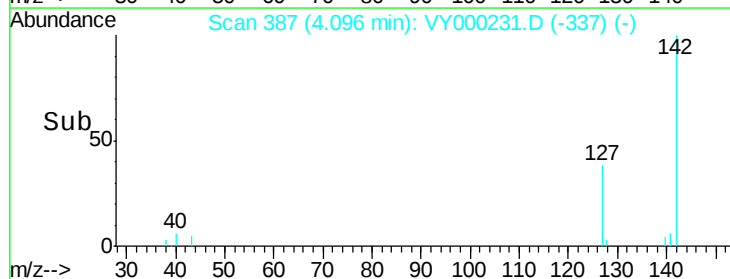
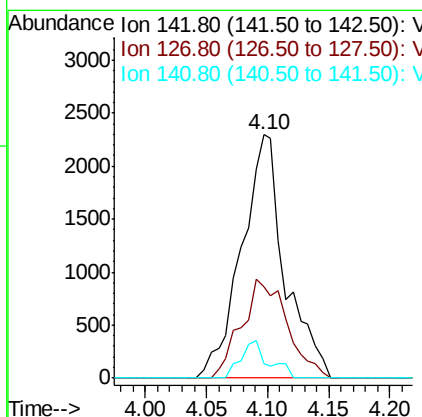
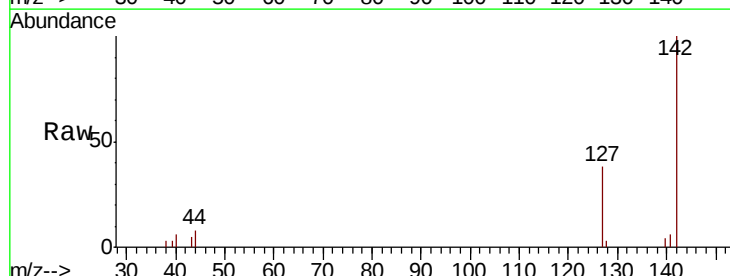
RT: 4.10 min Scan# 387

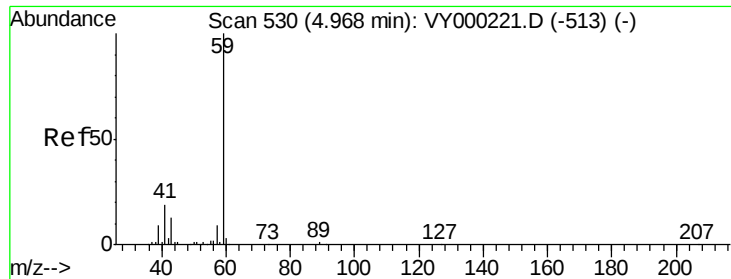
Delta R.T. 0.01 min

Lab File: VY000231.D

Acq: 08 Oct 2019 20:21

Tgt Ion:	142	Resp:	5681
Ion Ratio	Lower	Upper	
142	100		
127	42.6	33.0	49.6
141	9.6	11.0	16.4#





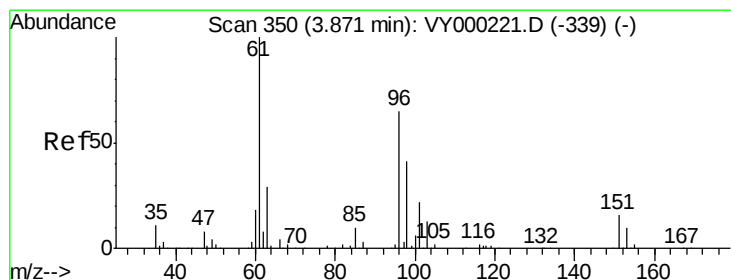
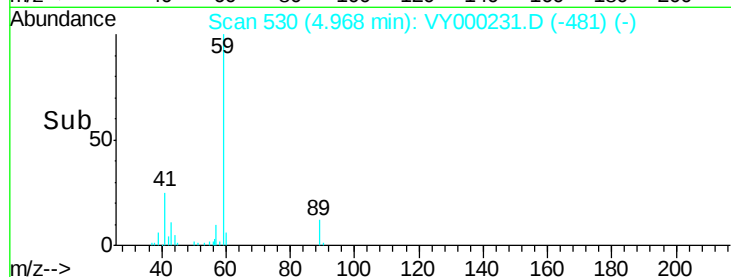
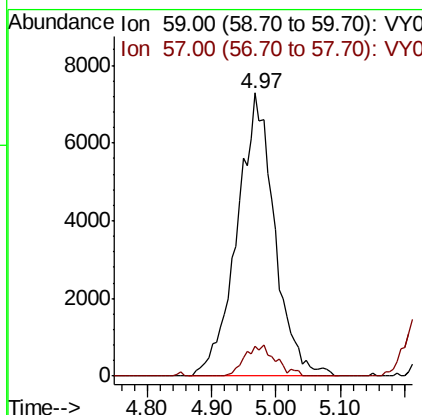
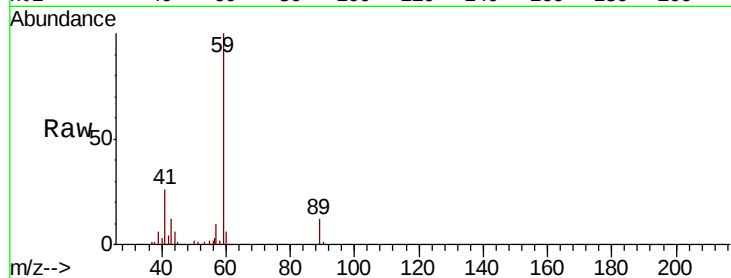
#11
Tert butyl alcohol
Concen: 16.451 ug/l
RT: 4.97 min Scan# 530
Delta R.T. 0.00 min
Lab File: VY000231.D
Acq: 08 Oct 2019 20:21

Instrument :
MSVOA_Y
ClientSampleId :
2.5PPBMDL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	100		29282		
57	9.0		8.0	12.0	

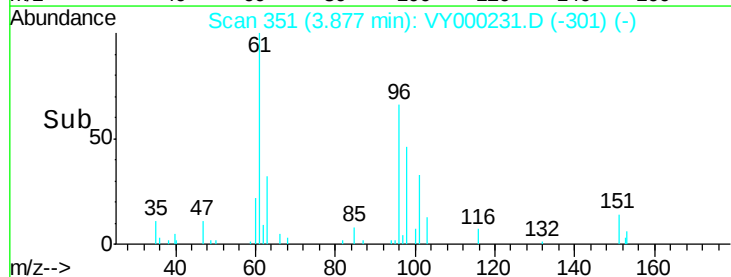
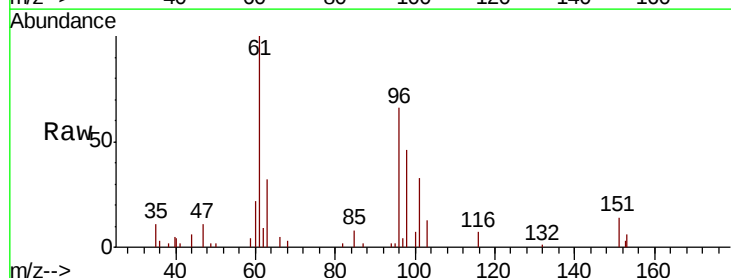
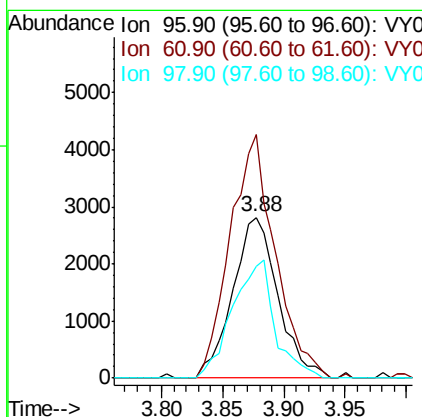
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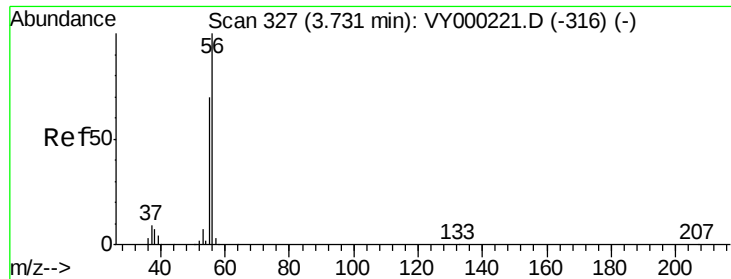
MMDadoda
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#12
1,1-Dichloroethene
Concen: 2.584 ug/l
RT: 3.88 min Scan# 351
Delta R.T. 0.01 min
Lab File: VY000231.D
Acq: 08 Oct 2019 20:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	100		7236		
61	151.4		123.8	185.8	
98	69.4		50.9	76.3	





#13

Acrolein

Concen: 15.545 ug/l

RT: 3.74 min Scan# 329

Delta R.T. 0.01 min

Lab File: VY000231.D

Acq: 08 Oct 2019 20:21

Instrument :

MSVOA_Y

ClientSampleId :

2.5PPBMDL

Tot Ion: 56 Resp: 14524

Ion Ratio Lower Upper

56 100

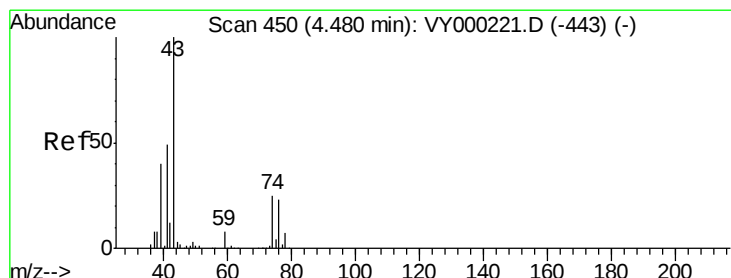
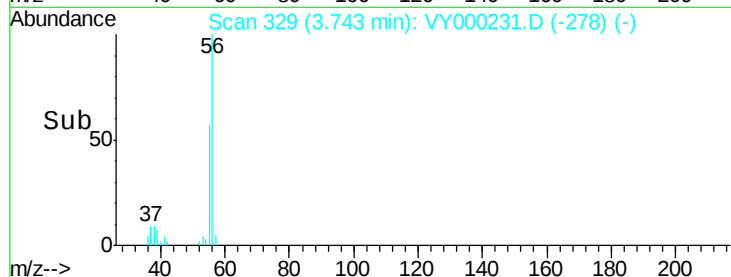
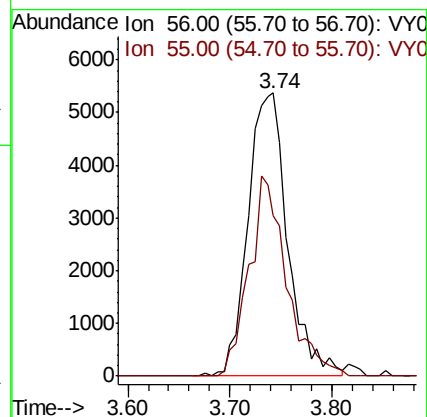
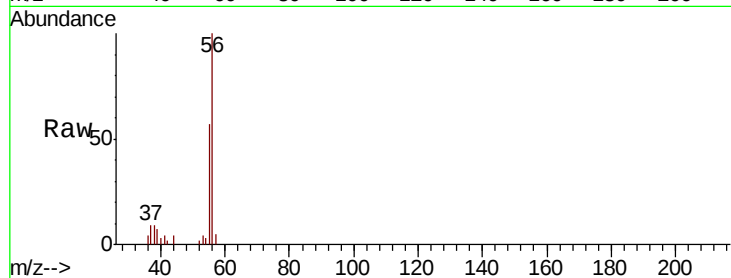
55 67.2 55.2 82.8

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#14

Allyl chloride

Concen: 2.861 ug/l

RT: 4.49 min Scan# 451

Delta R.T. 0.01 min

Lab File: VY000231.D

Acq: 08 Oct 2019 20:21

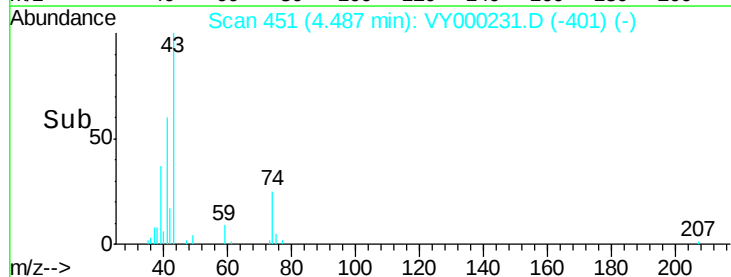
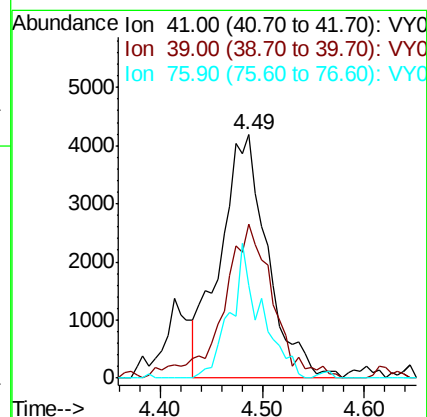
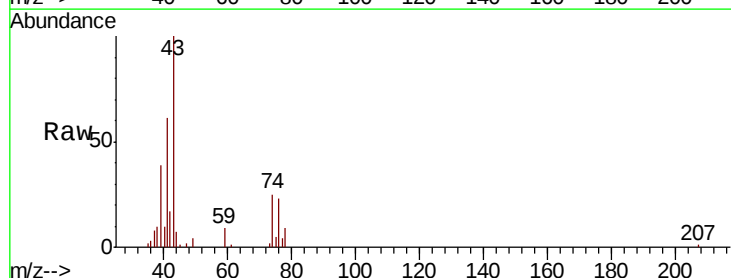
Tgt Ion: 41 Resp: 13504

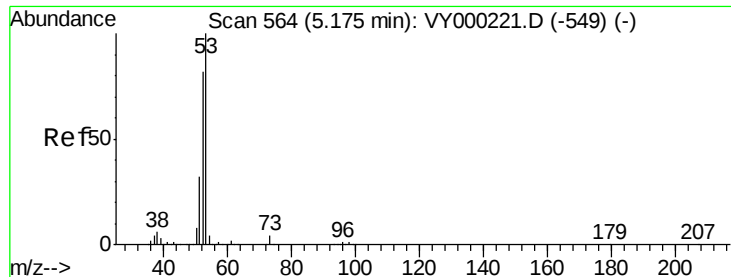
Ion Ratio Lower Upper

41 100

39 66.4 56.4 84.6

76 36.2 30.8 46.2





#15

Acrylonitrile

Concen: 13.694 ug/l

RT: 5.18 min Scan# 565

Delta R.T. 0.01 min

Lab File: VY000231.D

Acq: 08 Oct 2019 20:21

Instrument :

MSVOA_Y

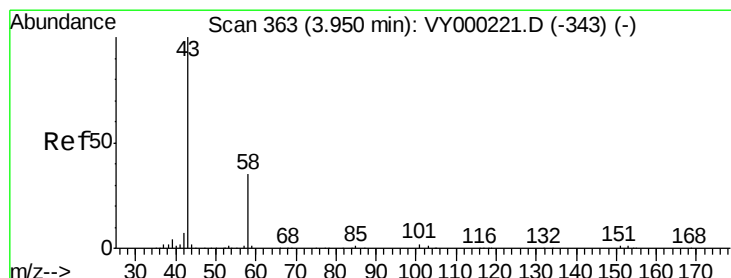
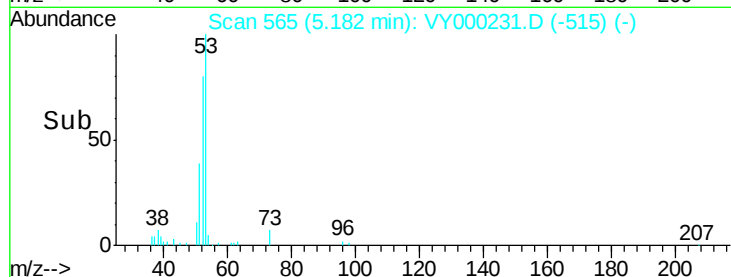
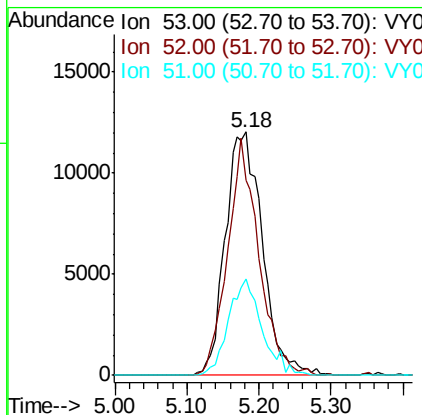
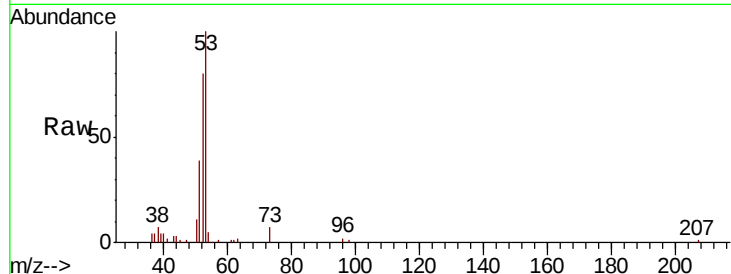
ClientSampleId :

2.5PPBMDL

Tot Ion:	53	Resp:	43025
Ion	Ratio	Lower	Upper
53	100		
52	81.1	65.4	98.2
51	35.6	27.2	40.8

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#16

Acetone

Concen: 15.203 ug/l

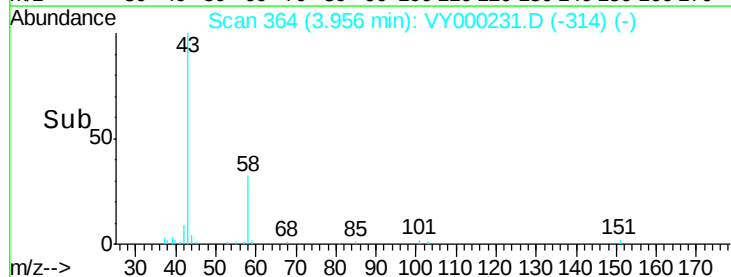
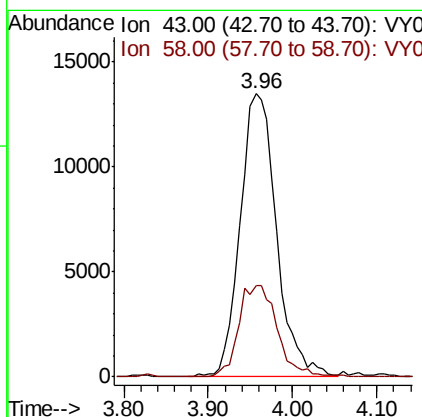
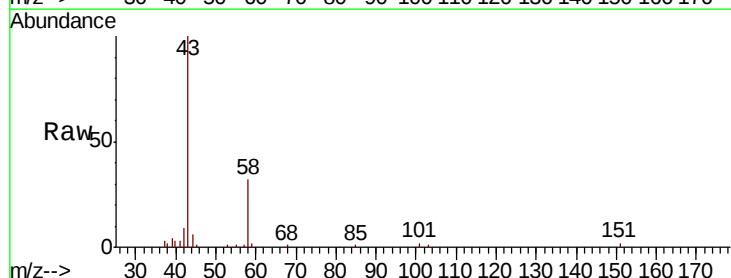
RT: 3.96 min Scan# 364

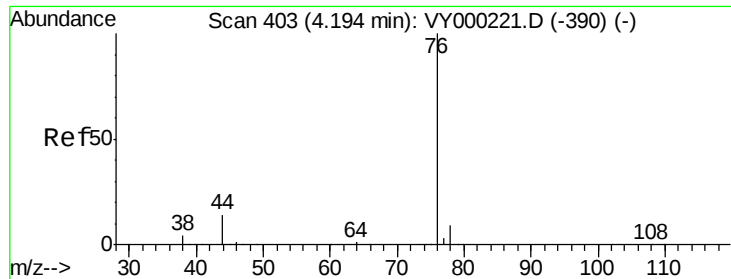
Delta R.T. 0.01 min

Lab File: VY000231.D

Acq: 08 Oct 2019 20:21

Tgt Ion:	43	Resp:	39448
Ion	Ratio	Lower	Upper
43	100		
58	32.2	28.2	42.4





#17

Carbon Disulfide

Concen: 2.137 ug/l

RT: 4.19 min Scan# 403

Delta R.T. 0.00 min

Lab File: VY000231.D

Acq: 08 Oct 2019 20:21

Instrument :

MSVOA_Y

ClientSampleId :

2.5PPBMDL

Tot Ion: 76 Resp: 17644

Ion Ratio Lower Upper

76 100

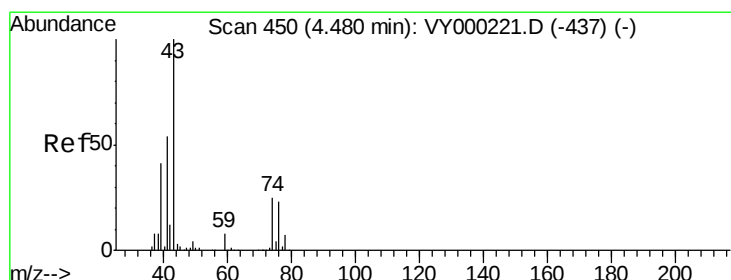
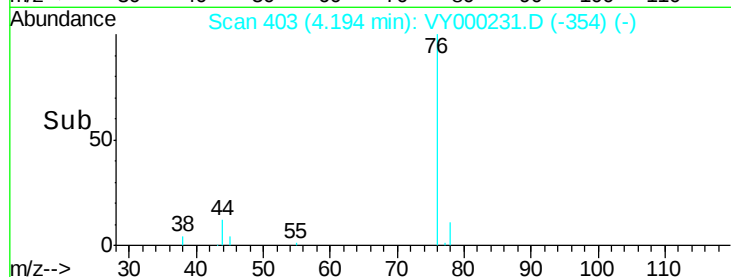
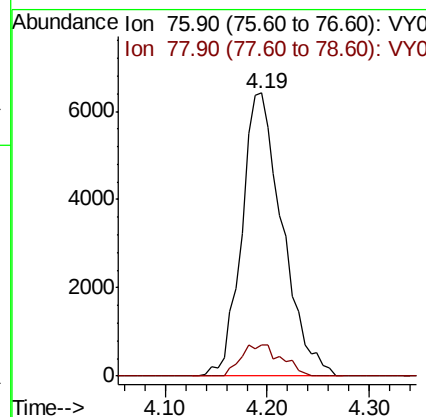
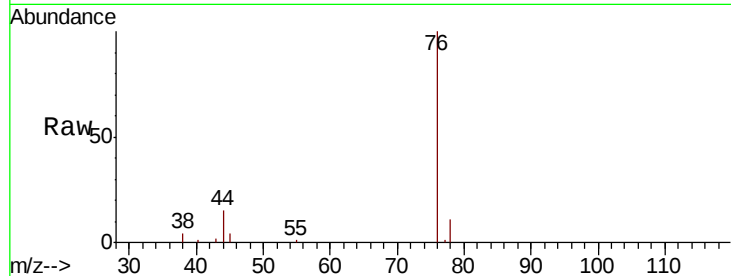
78 11.0 7.0 10.6#

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#18

Methyl Acetate

Concen: 2.886 ug/l

RT: 4.49 min Scan# 451

Delta R.T. 0.01 min

Lab File: VY000231.D

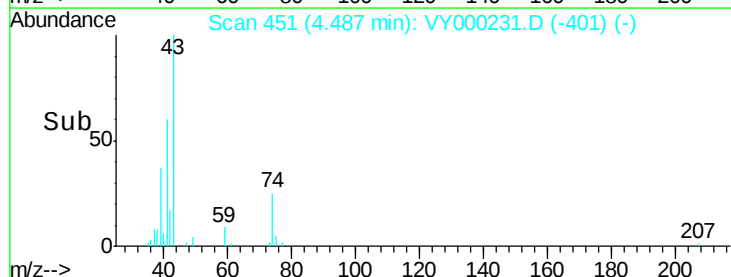
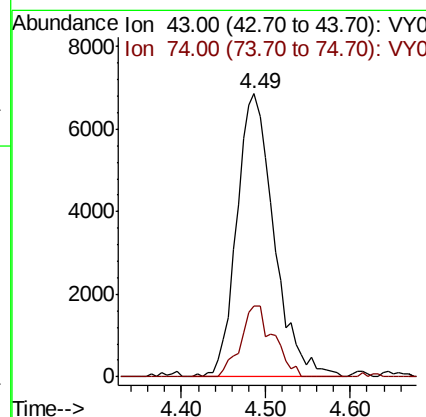
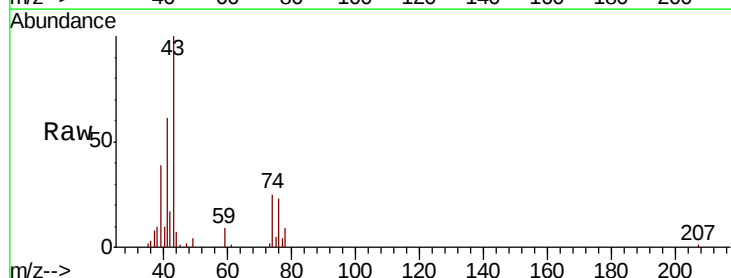
Acq: 08 Oct 2019 20:21

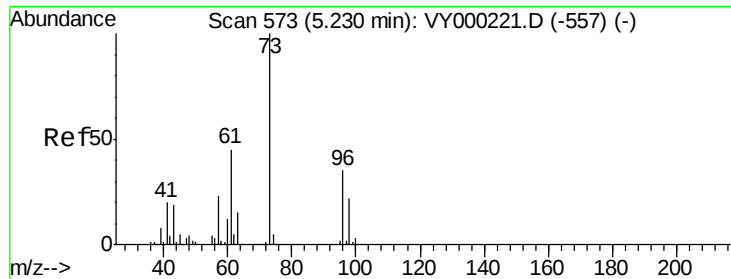
Tgt Ion: 43 Resp: 20520

Ion Ratio Lower Upper

43 100

74 21.9 19.1 28.7





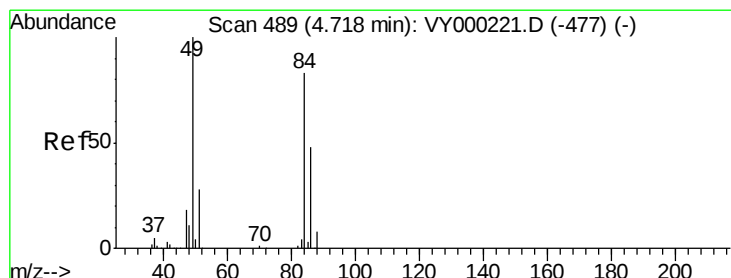
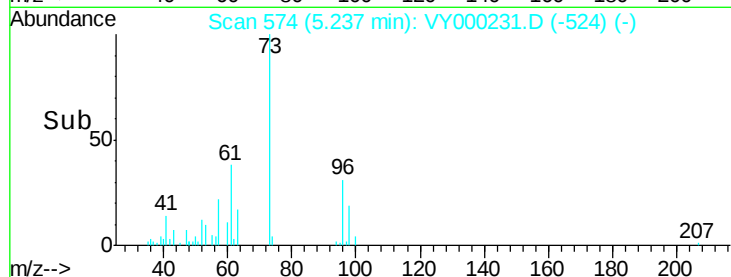
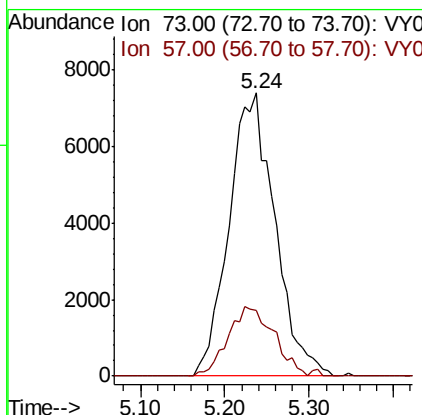
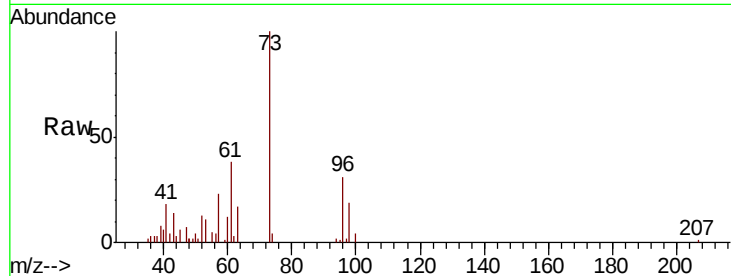
#19
Methvl tert-butvl Ether
Concen: 2.676 ug/l
RT: 5.24 min Scan# 574
Delta R.T. 0.01 min
Lab File: VY000231.D
Acq: 08 Oct 2019 20:21

Instrument :
MSVOA_Y
ClientSampleId :
2.5PPBMDL

Tot Ion	73	Resp	27417
Ion Ratio	Lower	Upper	
73	100		
57	23.2	18.4	27.6

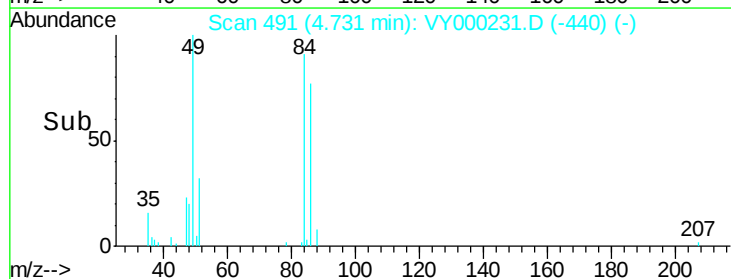
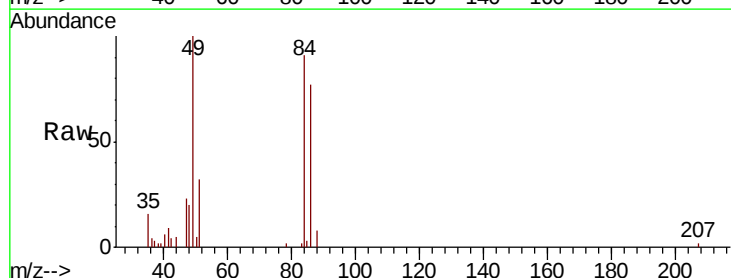
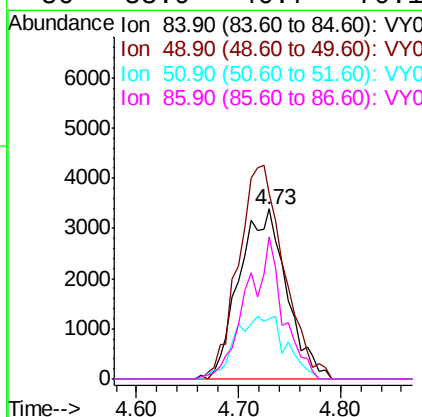
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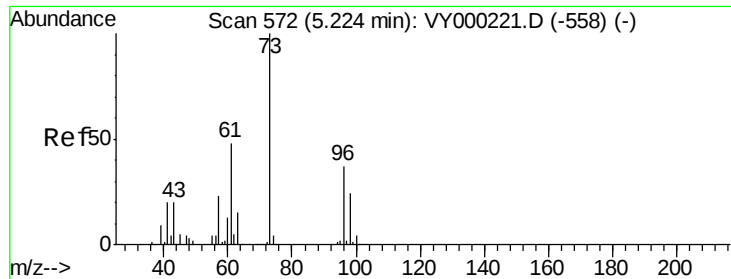
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#20
Methylene Chloride
Concen: 3.211 ug/l
RT: 4.73 min Scan# 491
Delta R.T. 0.01 min
Lab File: VY000231.D
Acq: 08 Oct 2019 20:21

Tgt Ion	84	Resp	10947
Ion Ratio	Lower	Upper	
84	100		
49	109.3	96.2	144.2
51	35.4	26.6	39.8
86	83.9	46.7	70.1#





#21

trans-1,2-Dichloroethene

Concen: 2.533 ug/l

RT: 5.22 min Scan# 572

Delta R.T. 0.00 min

Lab File: VY000231.D

Acq: 08 Oct 2019 20:21

Instrument :

MSVOA_Y

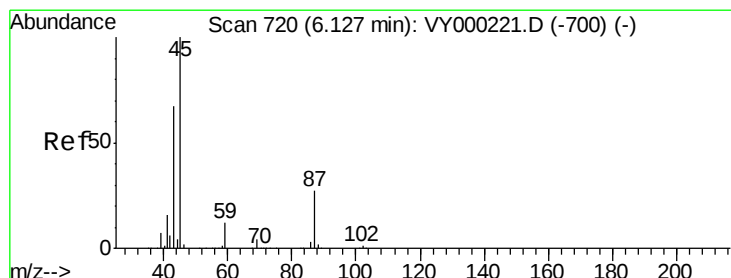
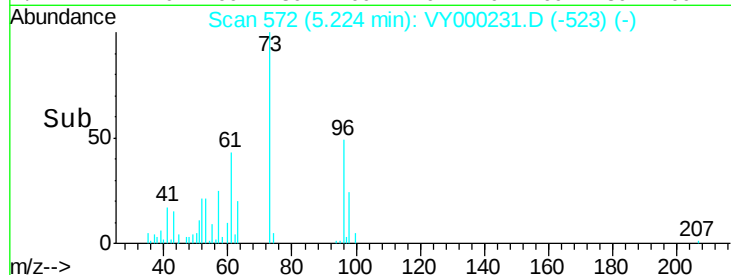
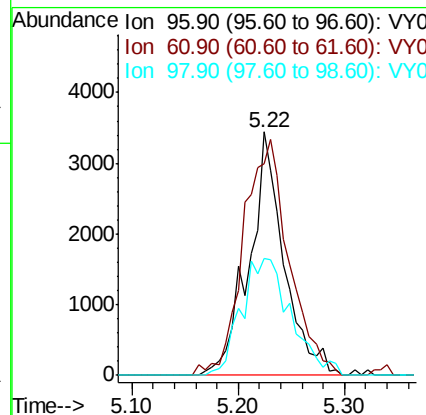
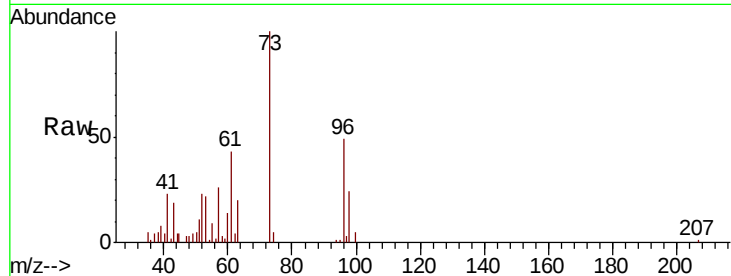
ClientSampleId :

2.5PPBMDL

Tot Ion:	96	Resp:	7980
Ion	Ratio	Lower	Upper
96	100		
61	86.9	104.2	156.2#
98	48.1	51.0	76.6#

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#22

Diisopropyl ether

Concen: 2.622 ug/l

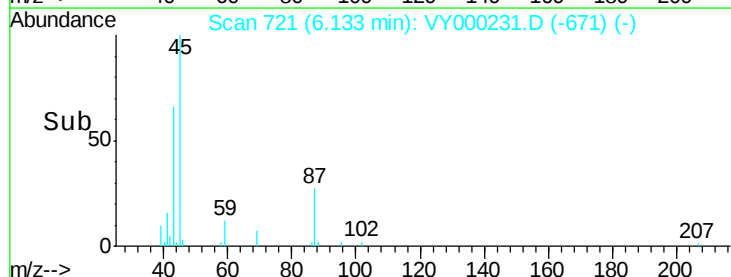
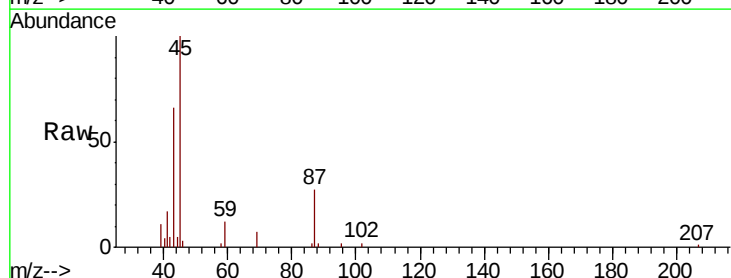
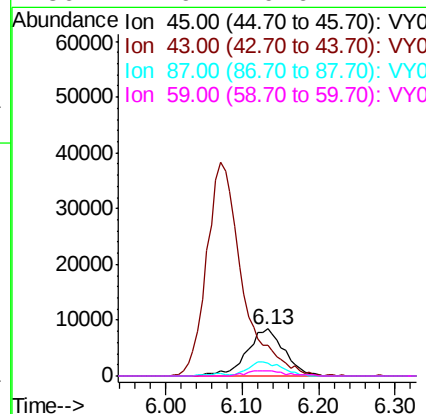
RT: 6.13 min Scan# 721

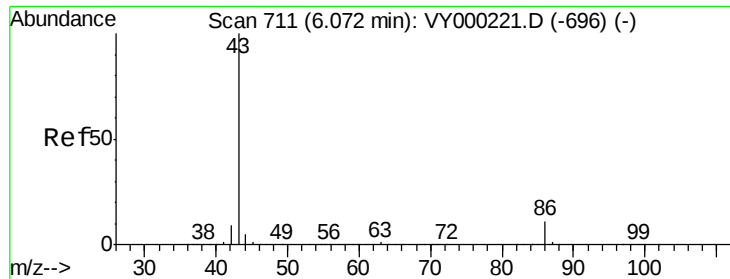
Delta R.T. 0.01 min

Lab File: VY000231.D

Acq: 08 Oct 2019 20:21

Tgt Ion:	45	Resp:	28666
Ion	Ratio	Lower	Upper
45	100		
43	64.9	53.4	80.2
87	26.9	21.7	32.5
59	11.9	9.6	14.4





#23

Vinyl Acetate

Concen: 12.580 ug/l

RT: 6.07 min Scan# 711

Delta R.T. 0.00 min

Lab File: VY000231.D

Acq: 08 Oct 2019 20:21

Instrument :

MSVOA_Y

ClientSampleId :

2.5PPBMDL

Tot Ion: 43 Resp: 124572

Ion Ratio Lower Upper

43 100

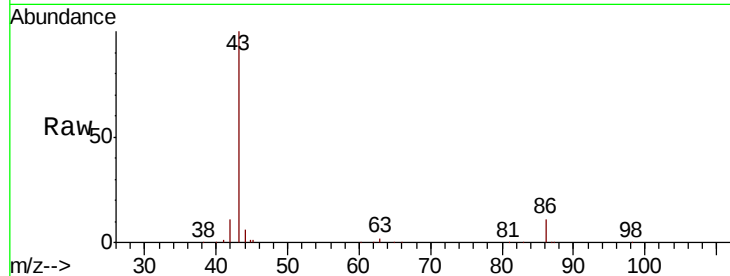
86 10.5 8.5 12.7

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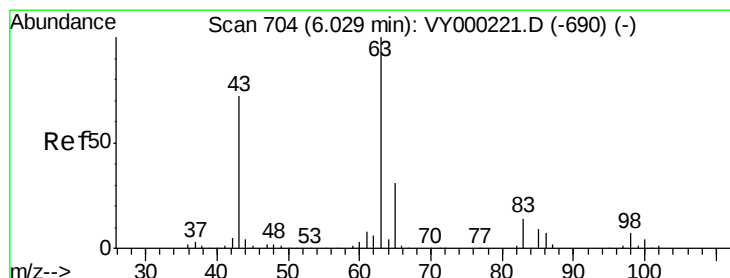
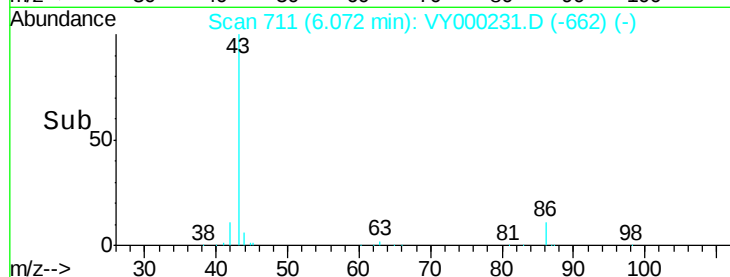
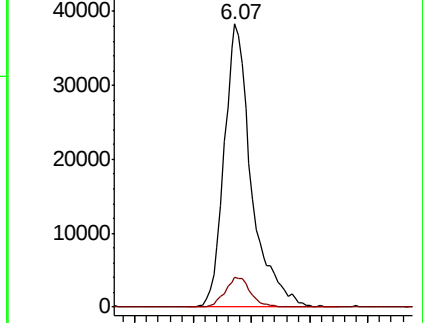
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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 2.598 ug/l

RT: 6.03 min Scan# 704

Delta R.T. 0.00 min

Lab File: VY000231.D

Acq: 08 Oct 2019 20:21

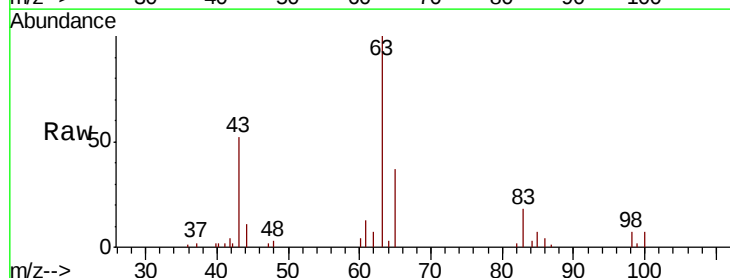
Tgt Ion: 63 Resp: 14490

Ion Ratio Lower Upper

63 100

98 7.1 3.5 10.6

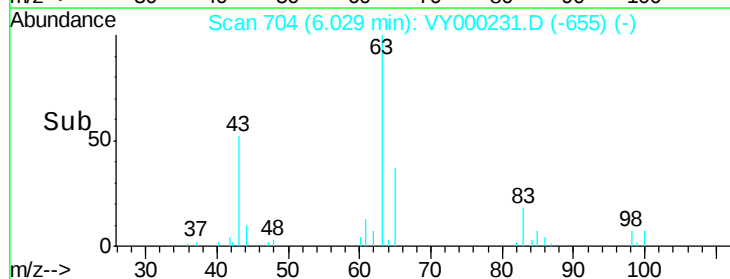
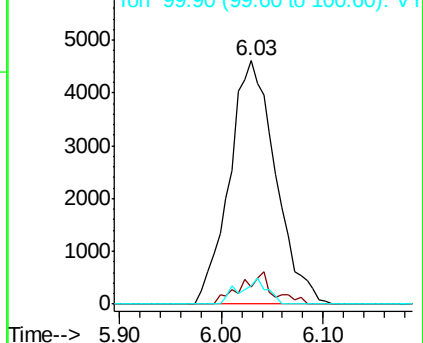
100 7.4 2.1 6.5#

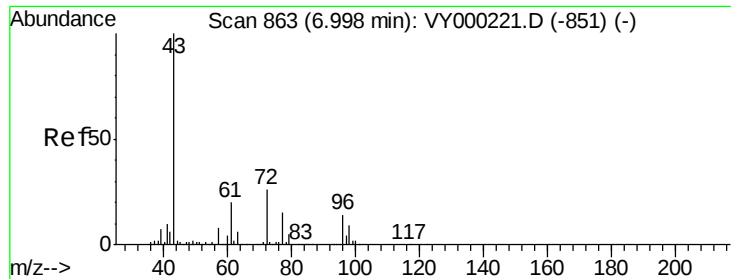


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





#25

2-Butanone

Concen: 14.000 ug/l

RT: 7.00 min Scan# 863

Delta R.T. 0.00 min

Lab File: VY000231.D

Acq: 08 Oct 2019 20:21

Instrument :

MSVOA_Y

ClientSampleId :

2.5PPBMDL

Tot Ion: 43 Resp: 67206

Ion Ratio Lower Upper

43 100

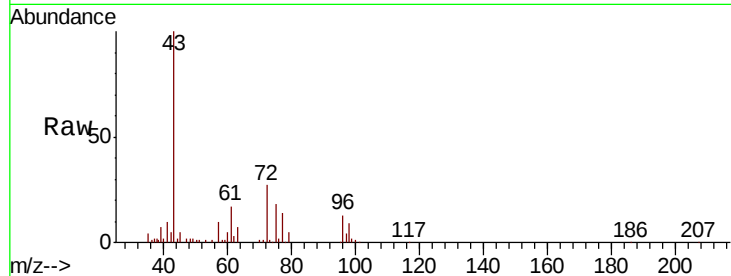
72 27.1 20.6 31.0

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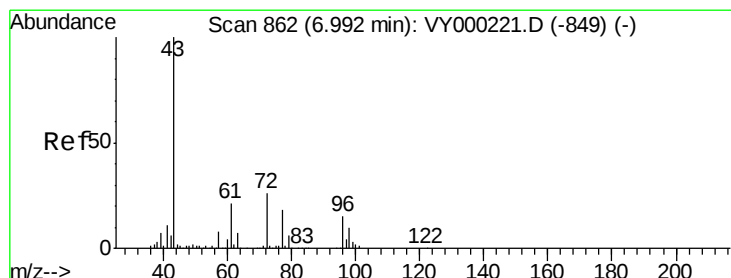
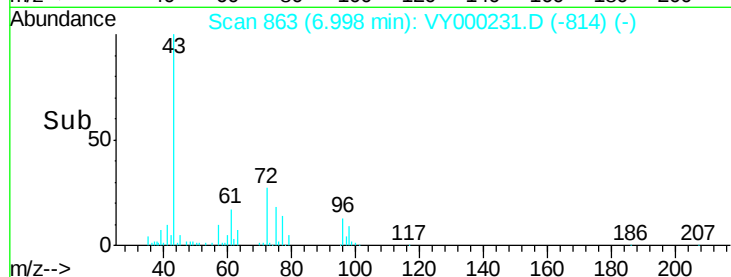
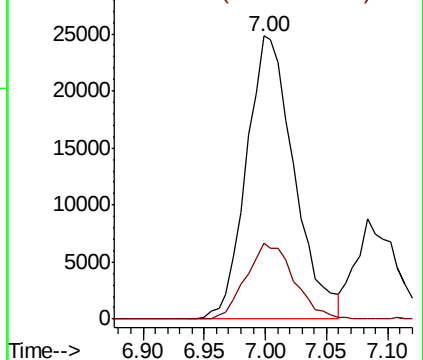
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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#26

2,2-Dichloropropane

Concen: 2.470 ug/l

RT: 6.99 min Scan# 862

Delta R.T. 0.00 min

Lab File: VY000231.D

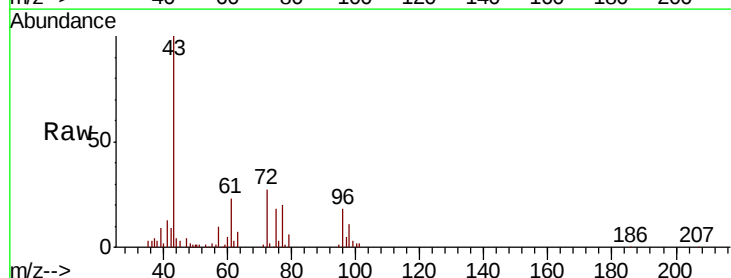
Acq: 08 Oct 2019 20:21

Tgt Ion: 77 Resp: 12437

Ion Ratio Lower Upper

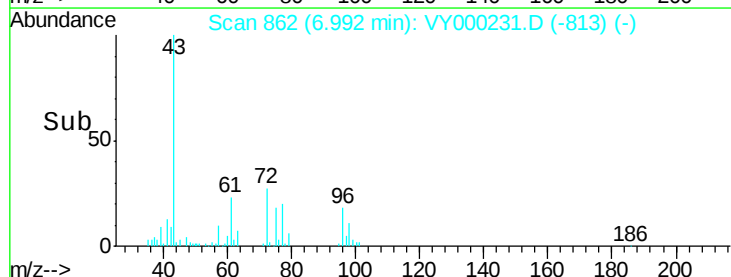
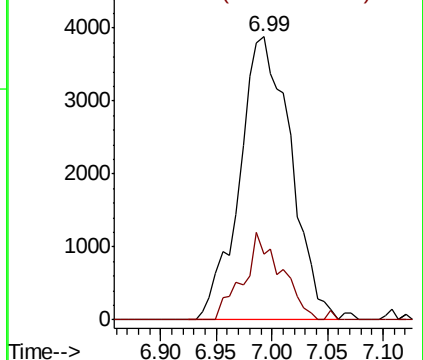
77 100

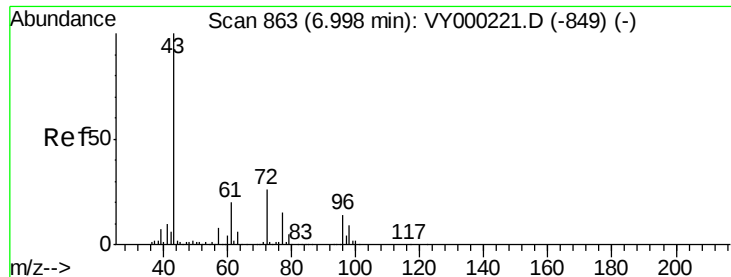
97 22.8 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0





#27

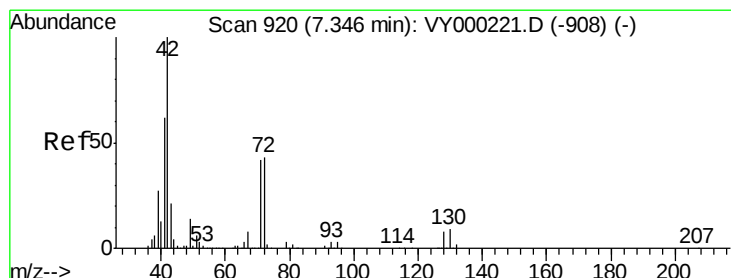
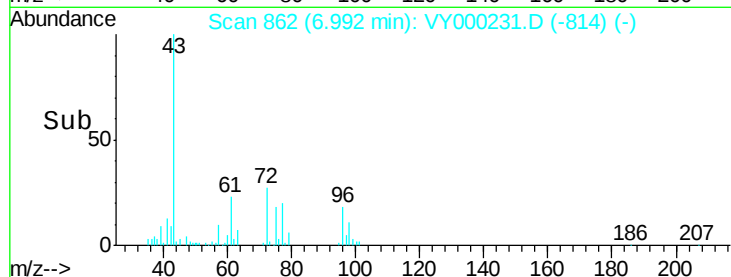
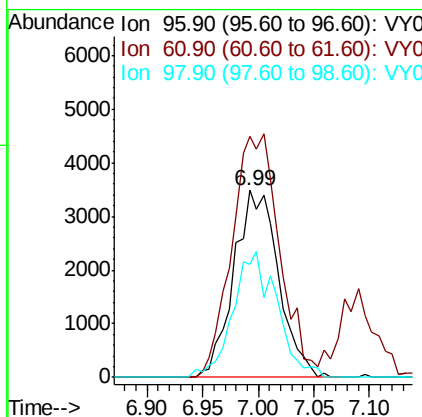
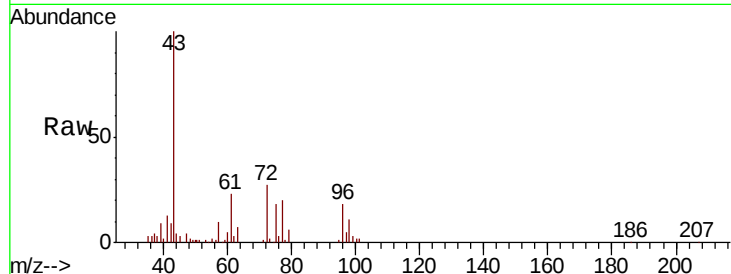
cis-1,2-Dichloroethene
Concen: 2.615 ug/l
RT: 6.99 min Scan# 862
Delta R.T. -0.01 min
Lab File: VY000231.D
Acq: 08 Oct 2019 20:21

Instrument :
MSVOA_Y
ClientSampleId :
2.5PPBMDL

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.3	0.0	282.6
98	65.9	0.0	129.8

Manual Integrations
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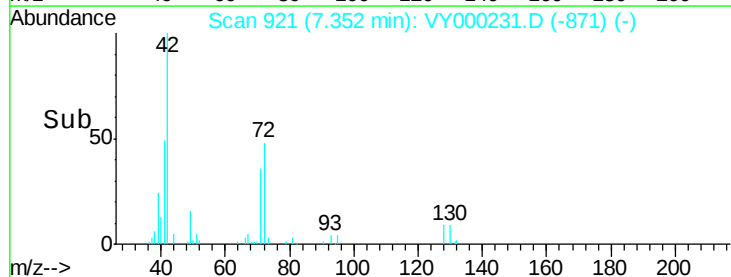
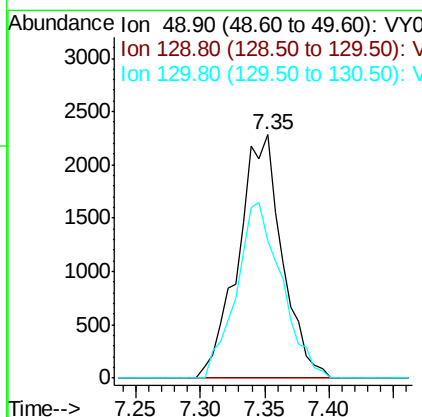
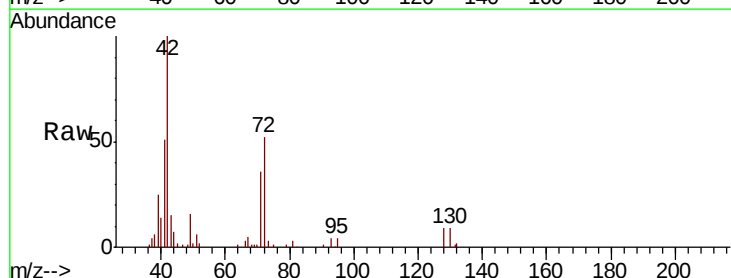
MMDadoda
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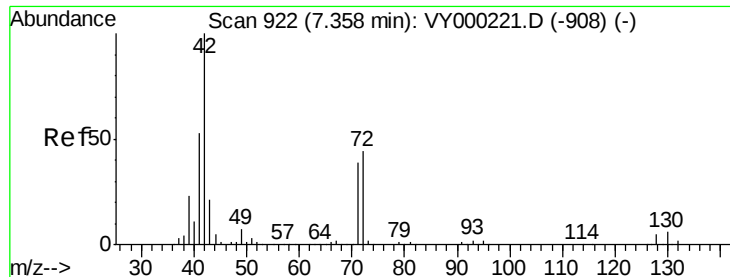


#28

Bromochloromethane
Concen: 2.945 ug/l
RT: 7.35 min Scan# 921
Delta R.T. 0.01 min
Lab File: VY000231.D
Acq: 08 Oct 2019 20:21

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.2
130	74.0	56.5	84.7





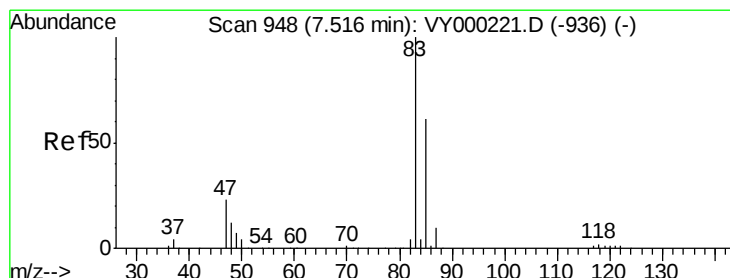
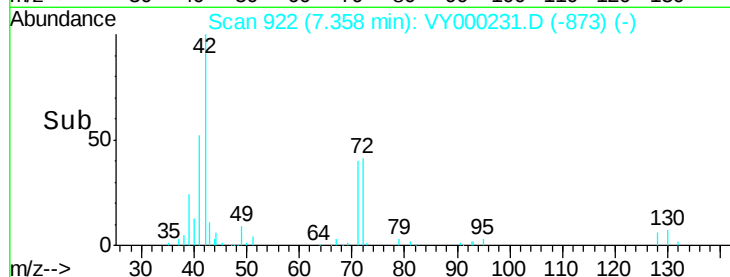
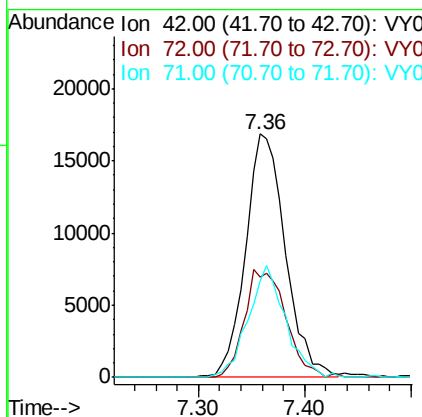
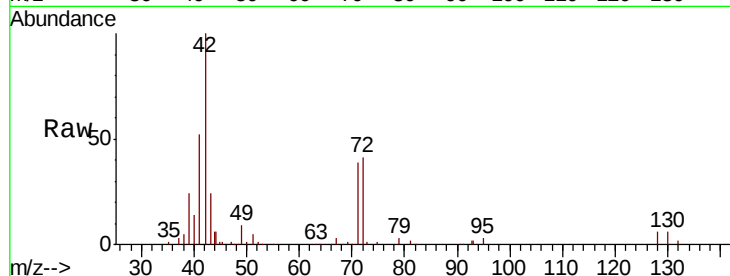
#29
Tetrahydrofuran
Concen: 13.035 ug/l
RT: 7.36 min Scan# 922
Delta R.T. 0.00 min
Lab File: VY000231.D
Acq: 08 Oct 2019 20:21

Instrument :
MSVOA_Y
ClientSampleId :
2.5PPBMDL

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.8	34.6	51.8
71	42.8	31.9	47.9

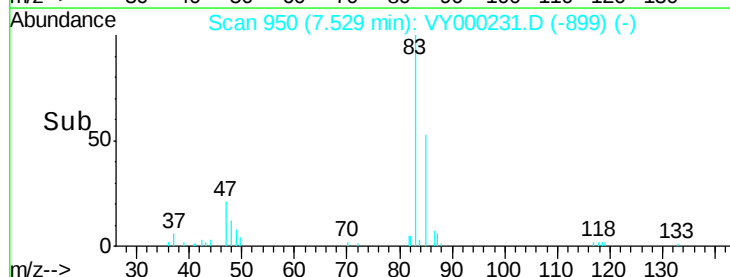
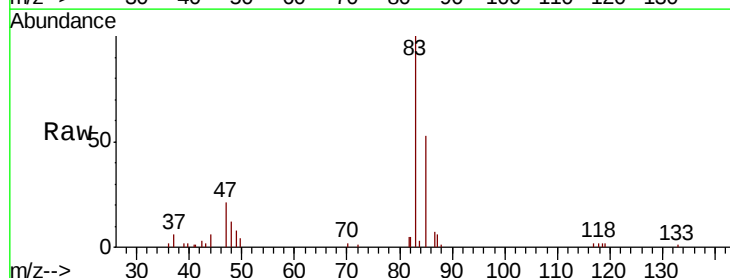
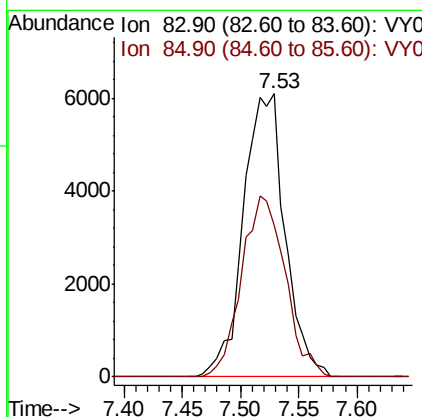
Manual Integrations
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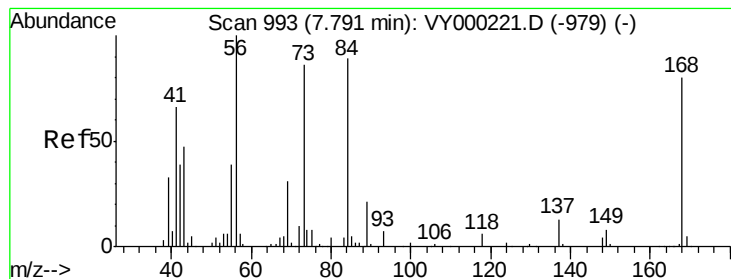
MMDadoda
10/10/2019 12:52:32 AM



#30
Chloroform
Concen: 2.623 ug/l
RT: 7.53 min Scan# 950
Delta R.T. 0.01 min
Lab File: VY000231.D
Acq: 08 Oct 2019 20:21

Tgt Ion	Ratio	Lower	Upper
83	100		
85	53.5	48.9	73.3





#31

Cyclohexane

Concen: 3.266 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.01 min

Lab File: VY000231.D

Acq: 08 Oct 2019 20:21

Instrument :

MSVOA_Y

ClientSampleId :

2.5PPBMDL

Tot Ion: 56 Resp: 18396

Ion Ratio Lower Upper

56 100

69 56.1 24.7 37.1#

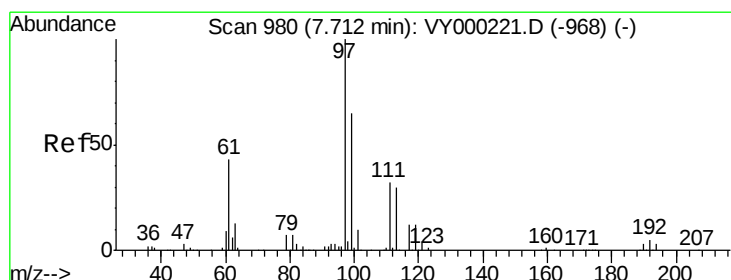
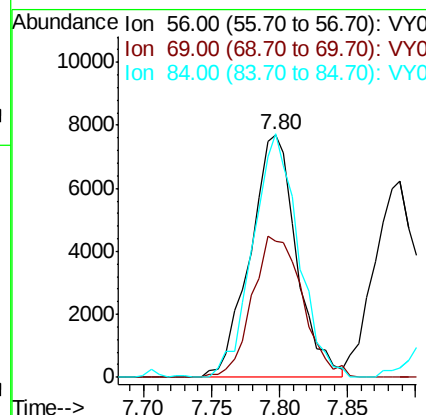
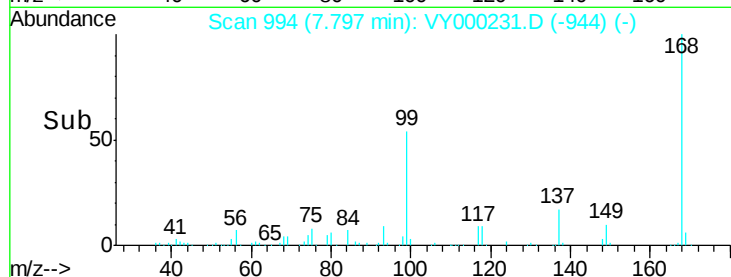
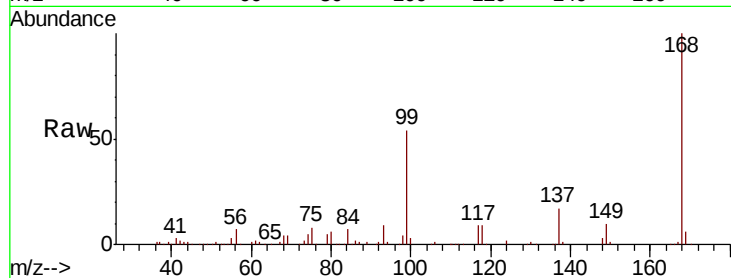
84 100.4 71.3 106.9

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 2.684 ug/l

RT: 7.72 min Scan# 981

Delta R.T. 0.01 min

Lab File: VY000231.D

Acq: 08 Oct 2019 20:21

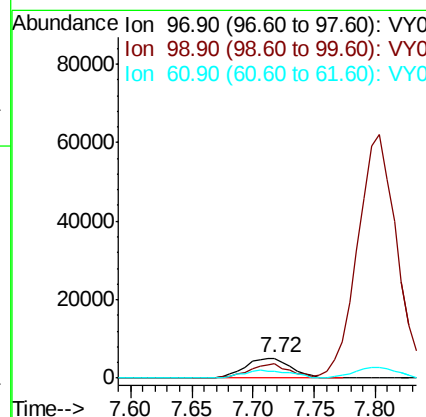
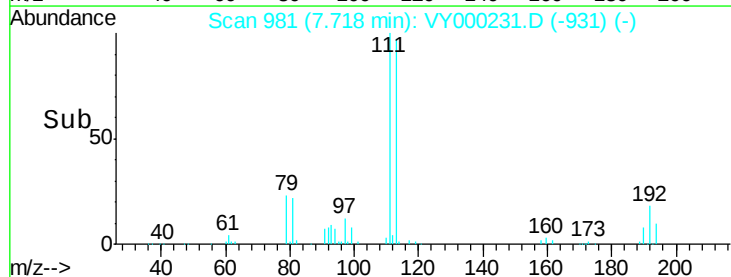
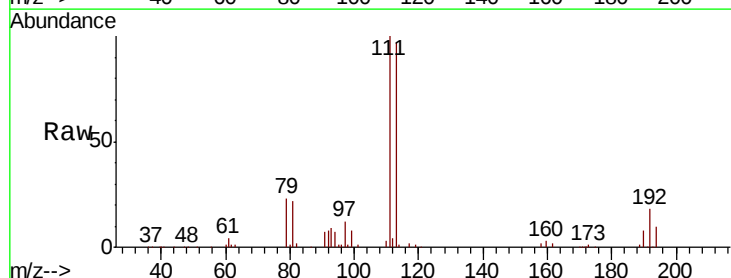
Tgt Ion: 97 Resp: 13205

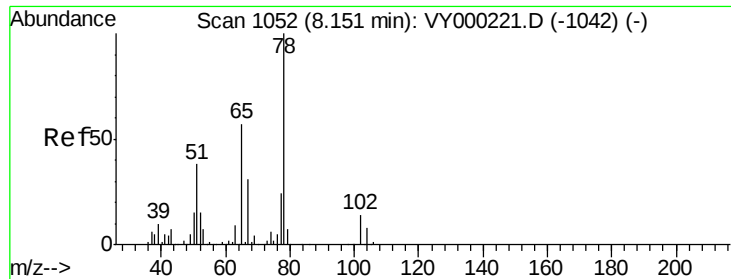
Ion Ratio Lower Upper

97 100

99 63.2 51.4 77.2

61 40.6 34.2 51.4





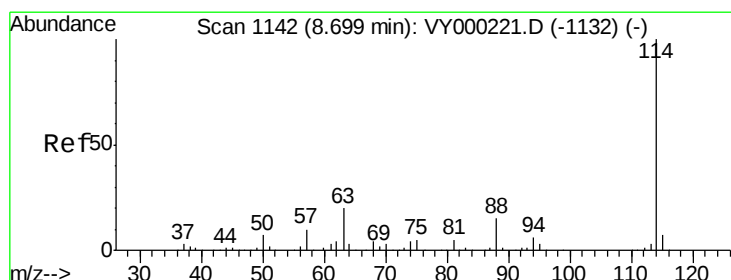
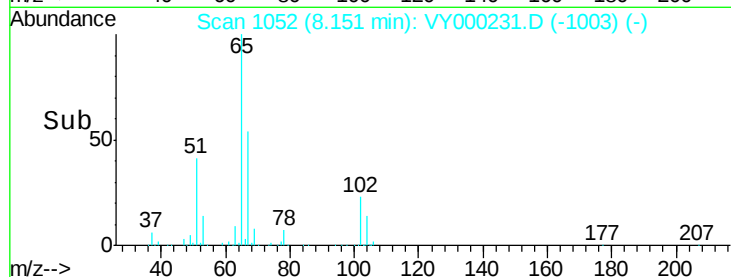
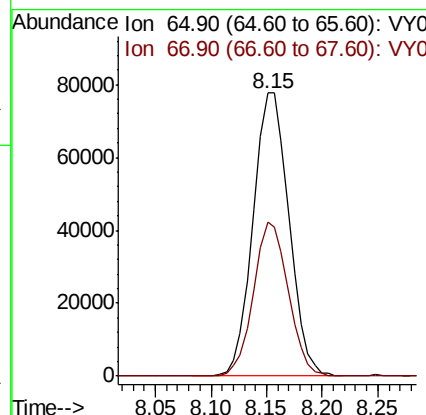
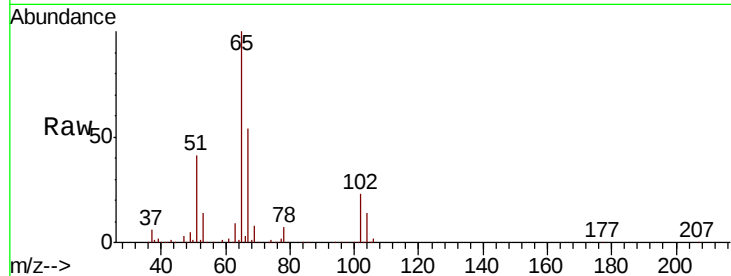
#33
 1,2-Dichloroethane-d4
 Concen: 53.444 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VY000231.D
 Acq: 08 Oct 2019 20:21

Instrument :
 MSVOA_Y
 ClientSampleId :
 2.5PPBMDL

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.7	0.0	109.0

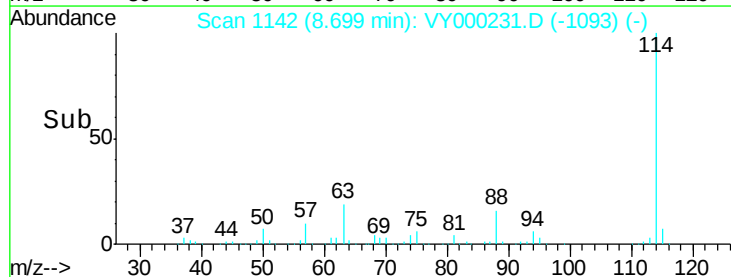
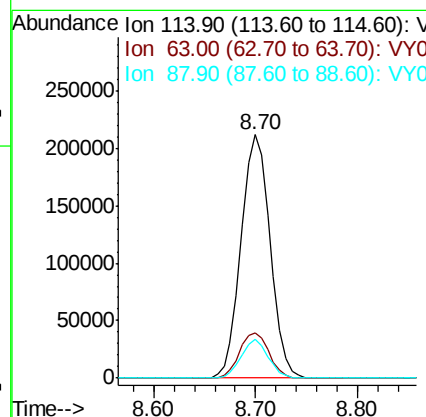
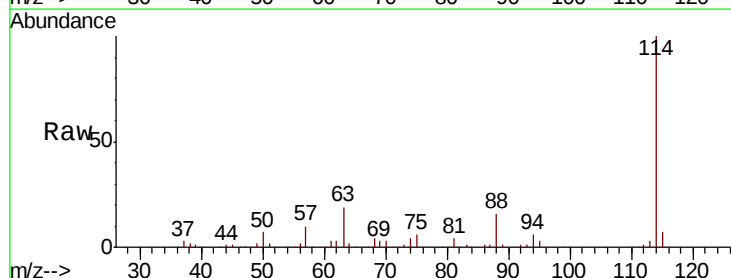
Manual Integrations
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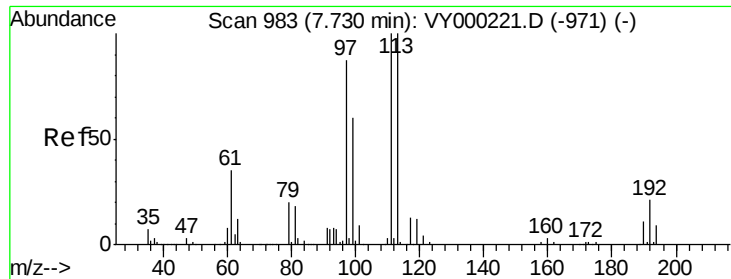
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. 0.00 min
 Lab File: VY000231.D
 Acq: 08 Oct 2019 20:21

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.6	0.0	39.0
88	16.0	0.0	30.6





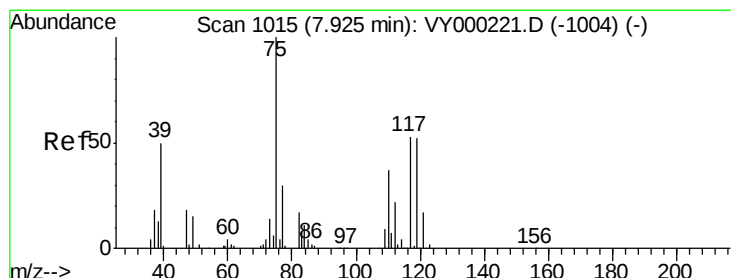
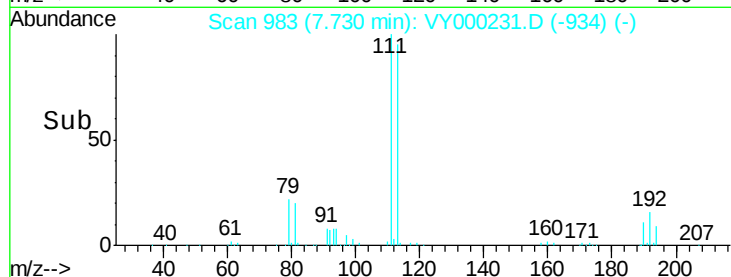
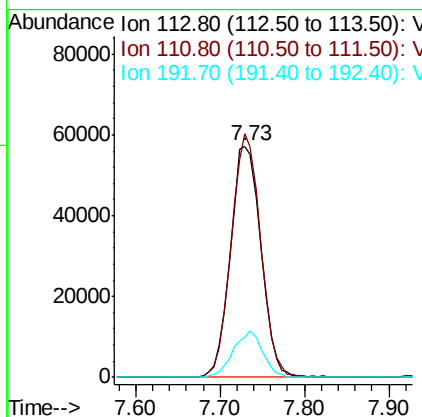
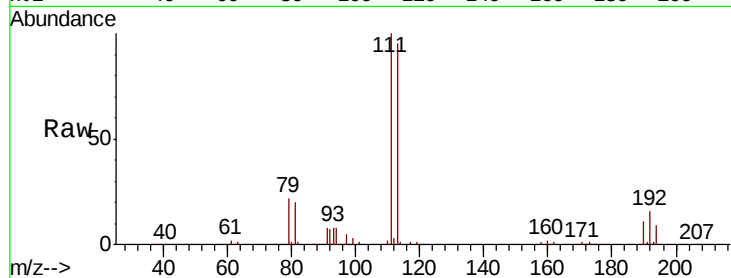
#35
 Dibromofluoromethane
 Concen: 53.810 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. 0.00 min
 Lab File: VY000231.D
 Acq: 08 Oct 2019 20:21

Instrument :
 MSVOA_Y
 ClientSampleId :
 2.5PPBMDL

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	101.8	82.6	124.0	
192	19.2	15.8	23.8	

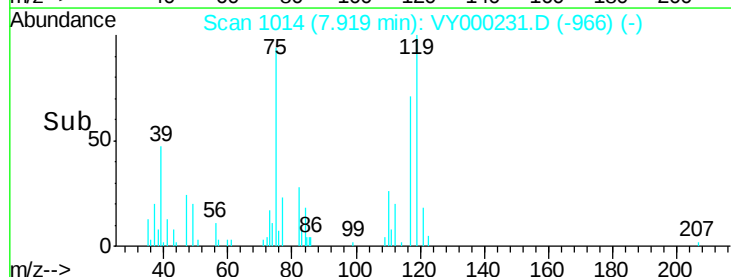
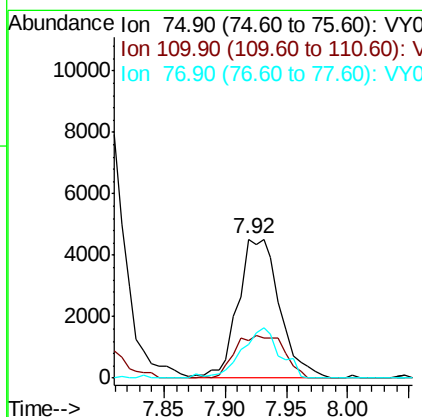
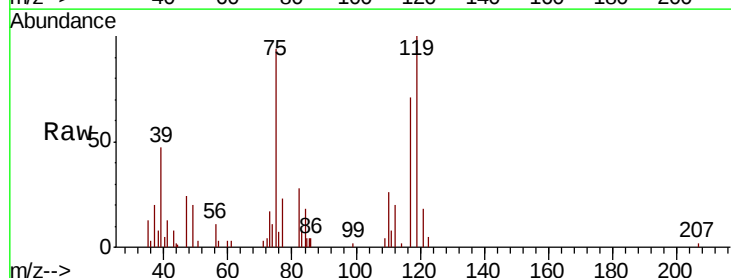
Manual Integrations
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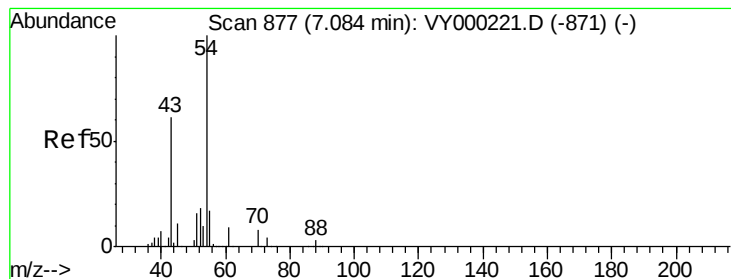
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#36
 1,1-Dichloropropene
 Concen: 2.518 ug/l
 RT: 7.92 min Scan# 1014
 Delta R.T. -0.01 min
 Lab File: VY000231.D
 Acq: 08 Oct 2019 20:21

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	36.5	18.4	55.2	
77	33.4	24.7	37.1	





#37

Ethyl Acetate

Concen: 2.555 ug/l

RT: 7.08 min Scan# 877

Delta R.T. 0.00 min

Lab File: VY000231.D

Acq: 08 Oct 2019 20:21

Instrument :

MSVOA_Y

ClientSampleId :

2.5PPBMDL

Tot Ion: 43 Resp: 19637

Ion Ratio Lower Upper

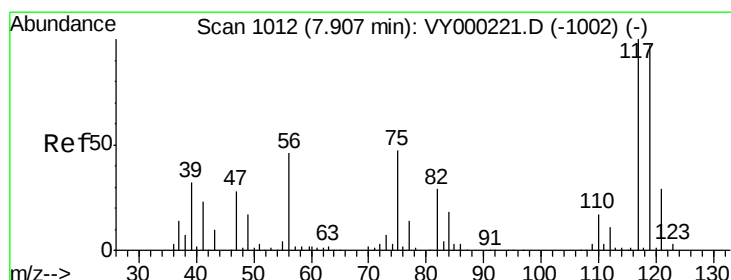
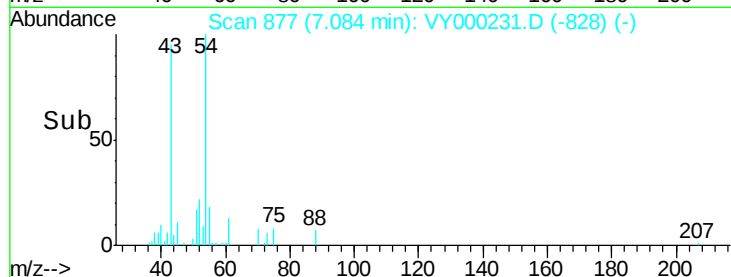
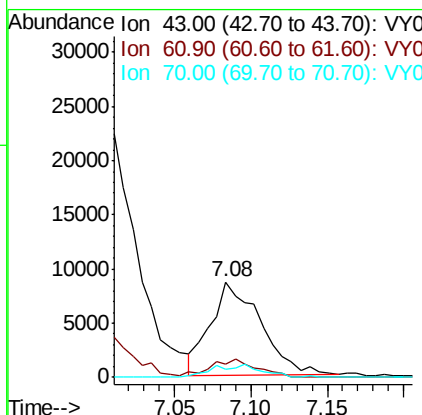
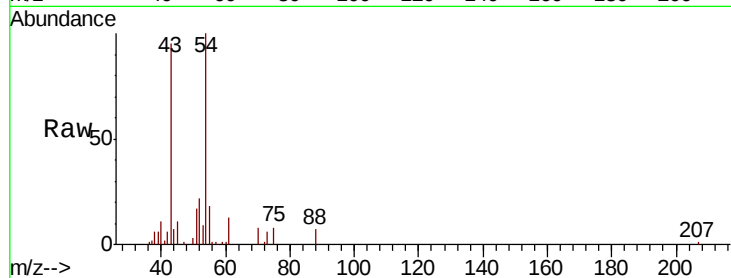
43 100

61 18.4 11.1 16.7#

70 13.4 8.5 12.7#

Manual Integrations
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10/10/2019 12:52:32 AM



#38

Carbon Tetrachloride

Concen: 2.601 ug/l

RT: 7.91 min Scan# 1012

Delta R.T. 0.00 min

Lab File: VY000231.D

Acq: 08 Oct 2019 20:21

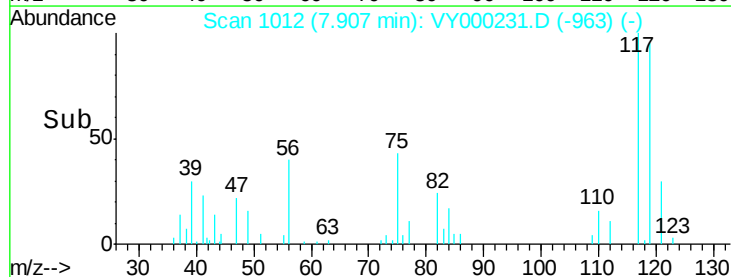
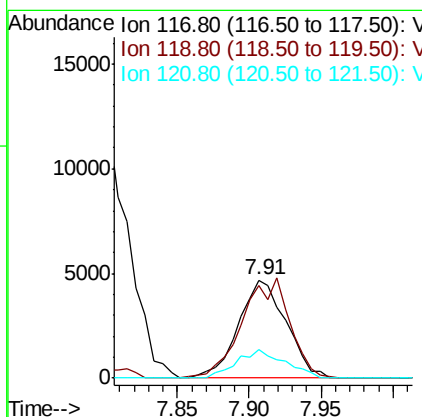
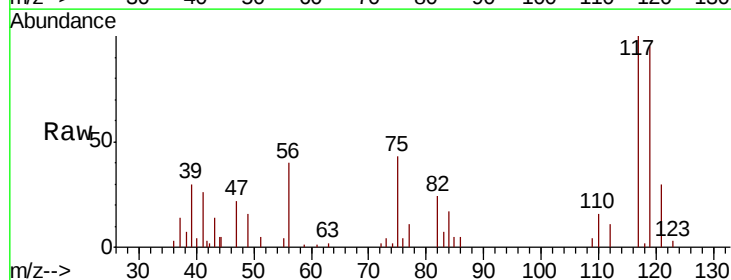
Tgt Ion: 117 Resp: 10780

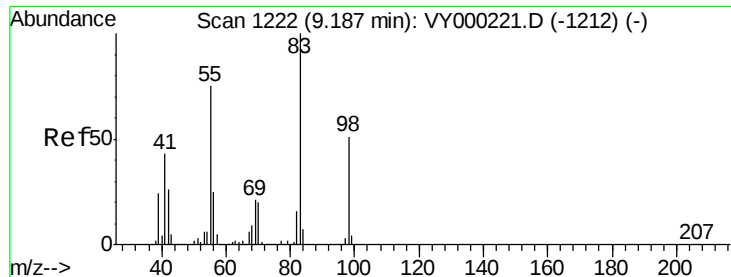
Ion Ratio Lower Upper

117 100

119 94.7 77.2 115.8

121 29.7 23.1 34.7





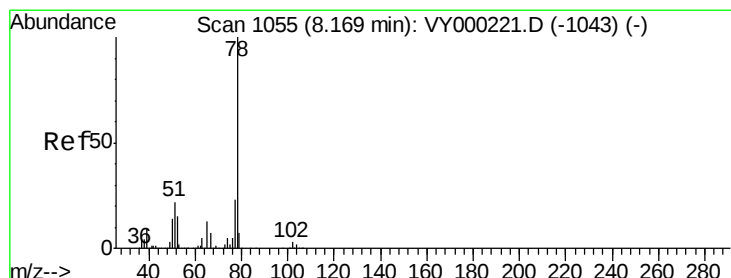
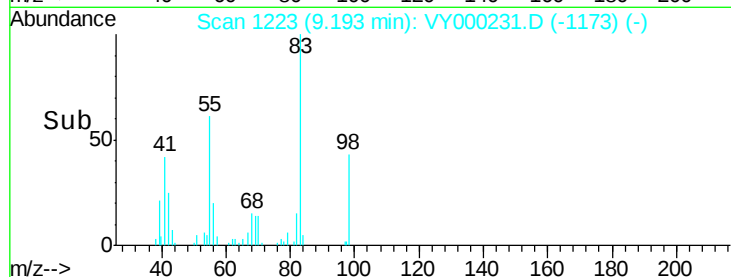
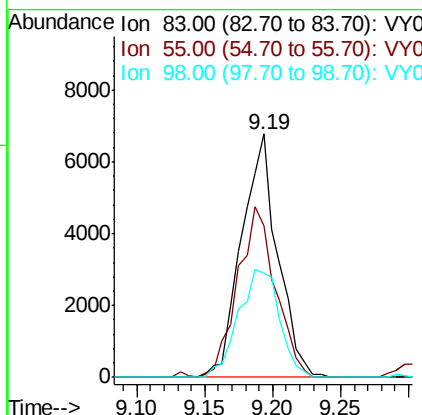
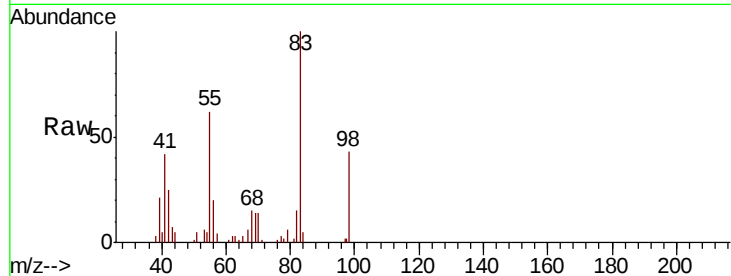
#39
Methvlcvclohexane
Concen: 2.353 ug/l
RT: 9.19 min Scan# 1223
Delta R.T. 0.01 min
Lab File: VY000231.D
Acq: 08 Oct 2019 20:21

Instrument :
MSVOA_Y
ClientSampleId :
2.5PPBMDL

Tot Ion	Ratio	Lower	Upper
83	100		
55	62.4	60.2	90.4
98	42.7	40.5	60.7

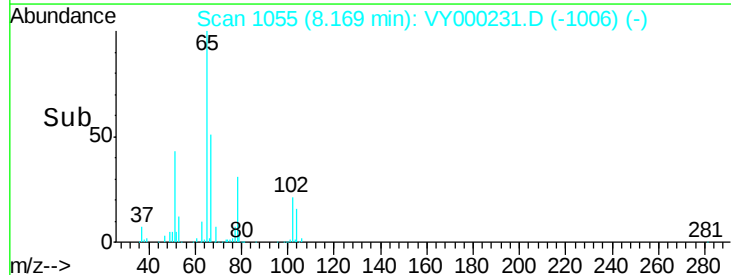
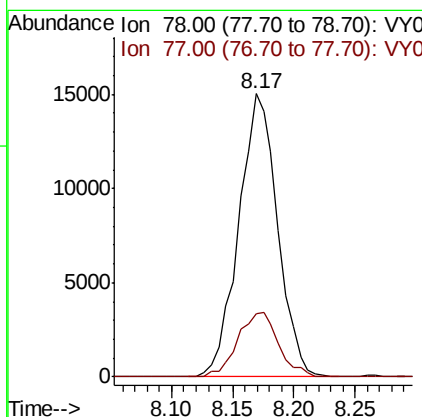
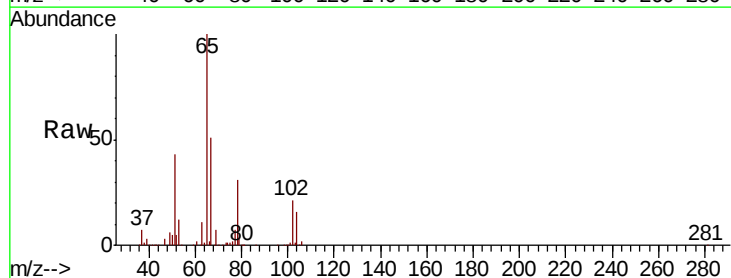
Manual Integrations
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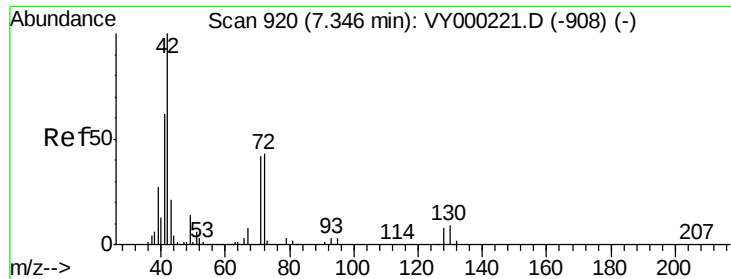
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#40
Benzene
Concen: 2.566 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. 0.00 min
Lab File: VY000231.D
Acq: 08 Oct 2019 20:21

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.4	18.6	28.0





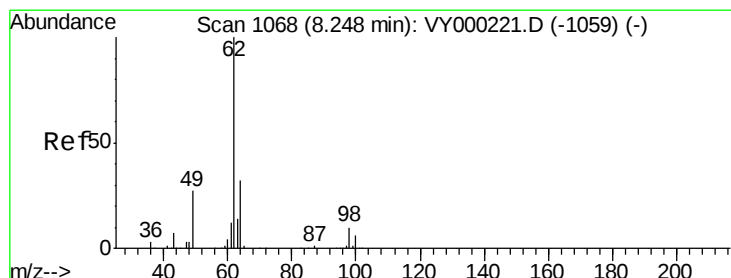
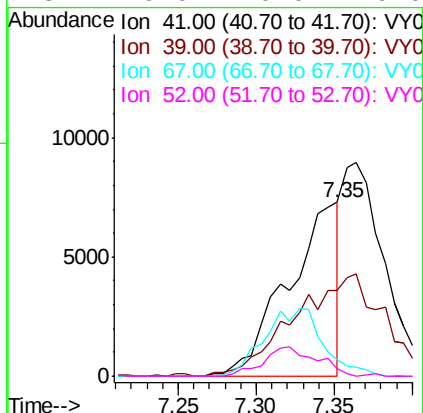
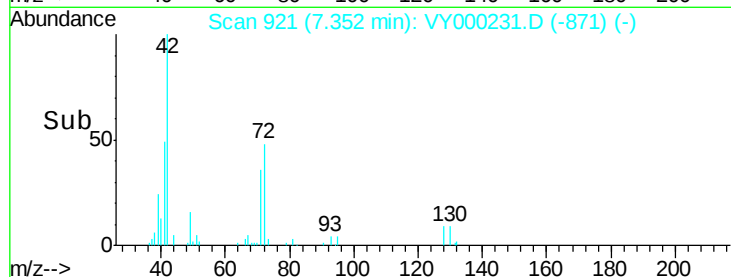
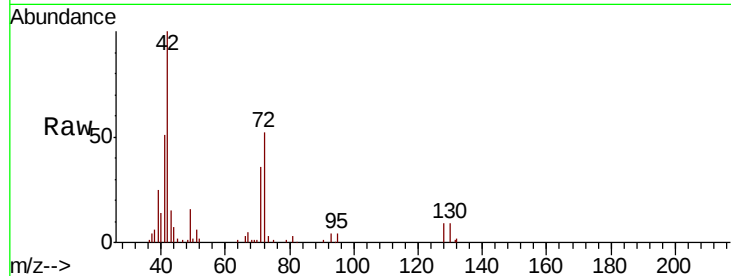
#41
Methacrylonitrile
Concen: 2.778 ug/l m
RT: 7.35 min Scan# 921
Delta R.T. 0.01 min
Lab File: VY000231.D
Acq: 08 Oct 2019 20:21

Instrument :
MSVOA_Y
ClientSampleId :
2.5PPBMDL

Tot Ion:	41	Resp:	16810
Ion	Ratio	Lower	Upper
41	100		
39	100.8	74.7	112.1
67	0.0	0.0	0.0
52	0.0	0.0	0.0

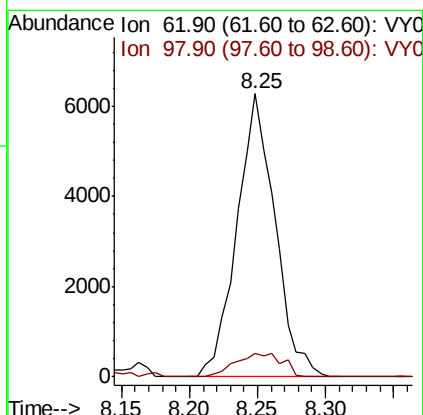
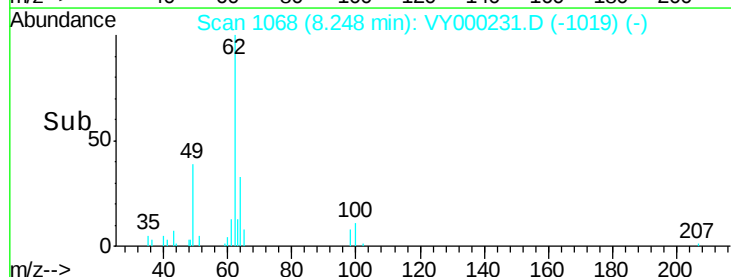
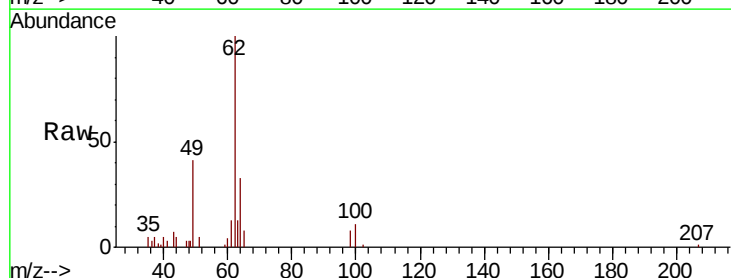
Manual Integrations
APPROVED

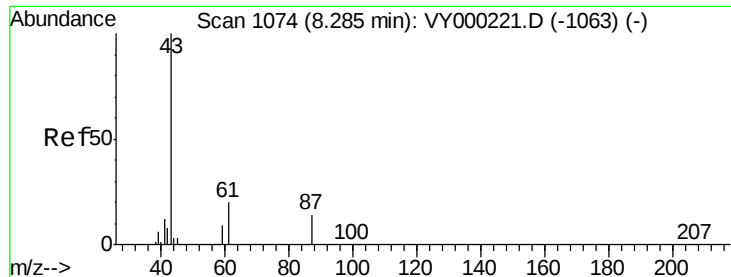
MMDadoda
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#42
1,2-Dichloroethane
Concen: 2.932 ug/l
RT: 8.25 min Scan# 1068
Delta R.T. 0.00 min
Lab File: VY000231.D
Acq: 08 Oct 2019 20:21

Tgt Ion:	62	Resp:	12285
Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	20.0





#43

Isopropyl Acetate

Concen: 2.718 ug/l

RT: 8.28 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VY000231.D

Acq: 08 Oct 2019 20:21

Instrument :

MSVOA_Y

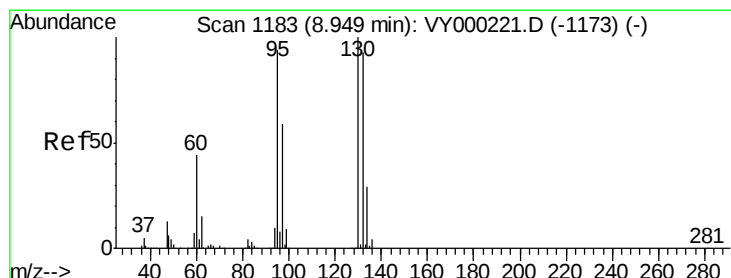
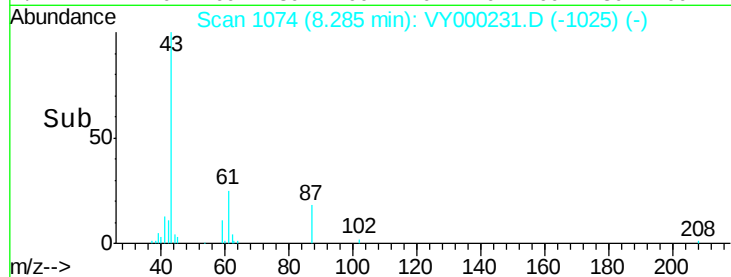
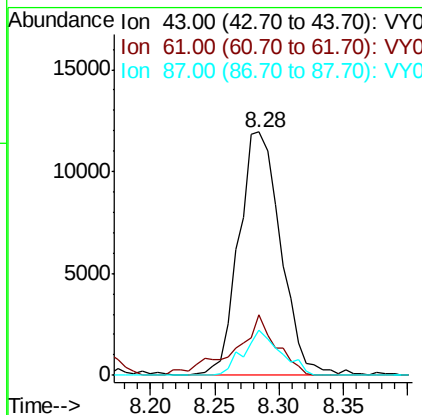
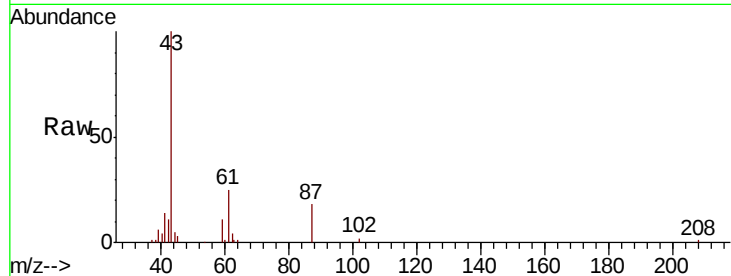
ClientSampleId :

2.5PPBMDL

Tot Ion:	43	Resp:	26888
Ion	Ratio	Lower	Upper
43	100		
61	24.9	20.1	30.1
87	16.3	10.6	15.8#

Manual Integrations
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#44

Trichloroethene

Concen: 2.636 ug/l

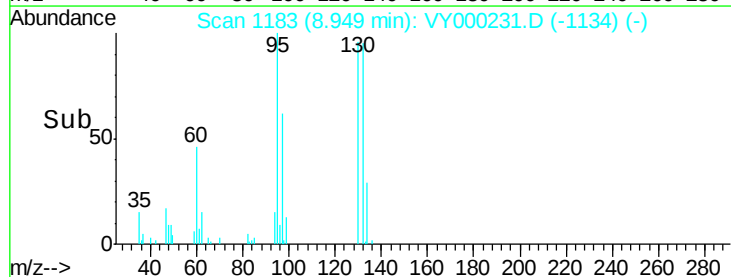
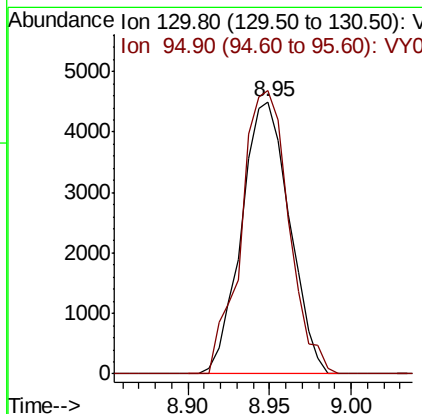
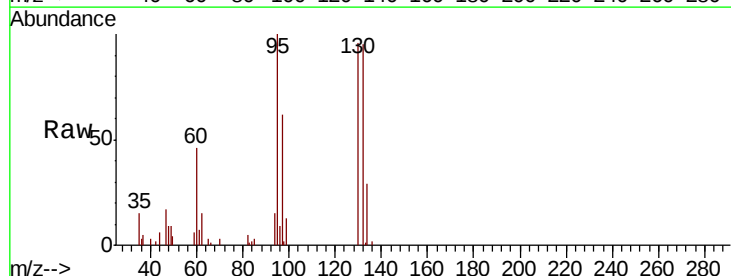
RT: 8.95 min Scan# 1183

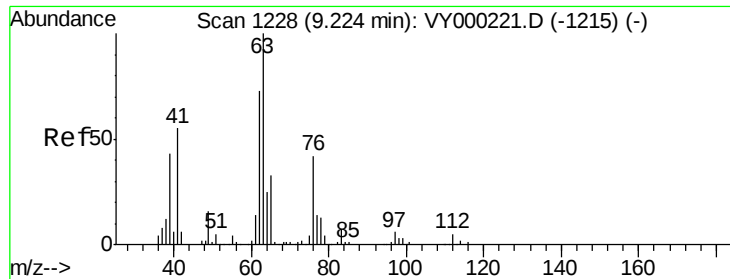
Delta R.T. 0.00 min

Lab File: VY000231.D

Acq: 08 Oct 2019 20:21

Tgt Ion:	130	Resp:	9220
Ion	Ratio	Lower	Upper
130	100		
95	104.0	0.0	189.0





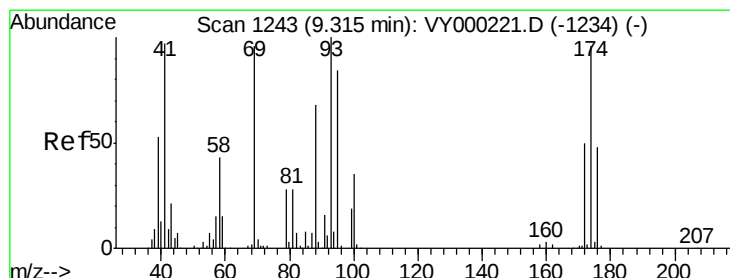
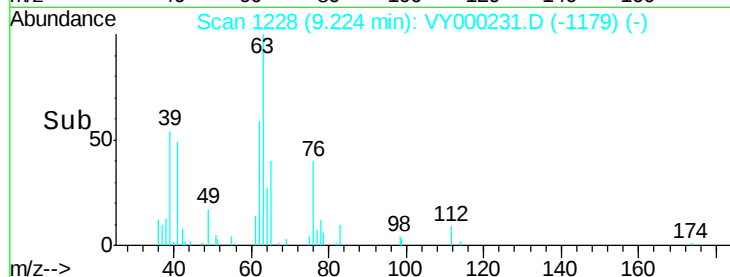
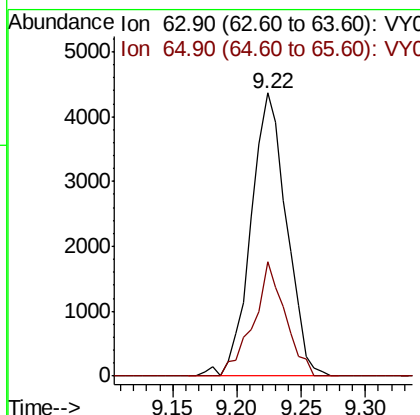
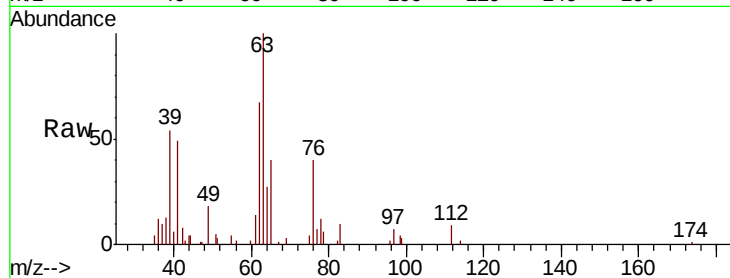
#45
 1,2-Dichloropropane
 Concen: 2.577 ug/l
 RT: 9.22 min Scan# 1228
 Delta R.T. 0.00 min
 Lab File: VY000231.D
 Acq: 08 Oct 2019 20:21

Instrument :
 MSVOA_Y
 ClientSampleId :
 2.5PPBMDL

Tot Ion	Ratio	Lower	Upper
63	100		
65	40.5	26.6	39.8#

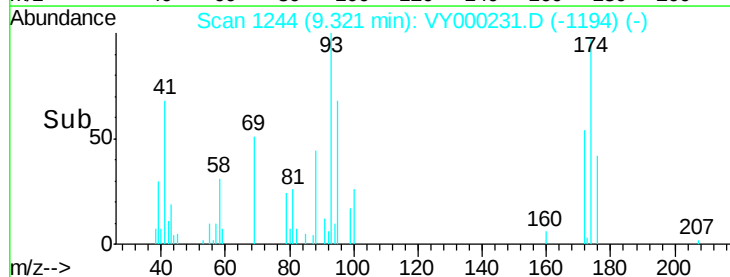
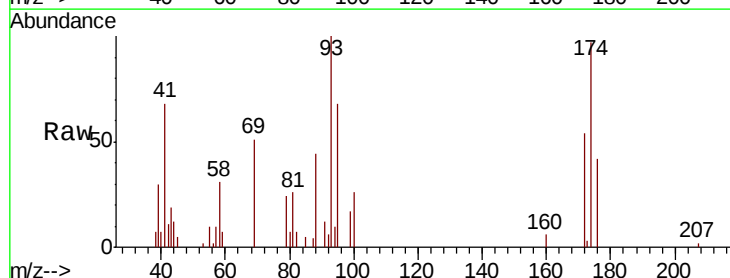
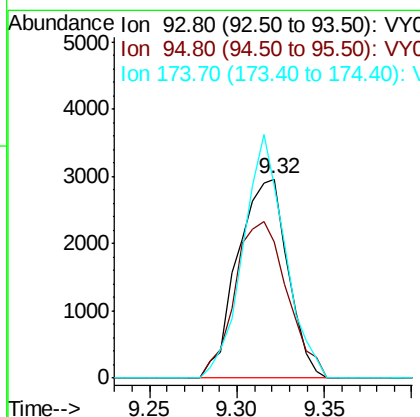
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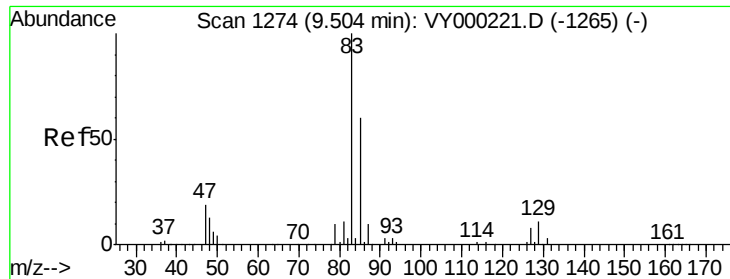
MMDadoda
 10/10/2019 12:52:32 AM



#46
 Dibromomethane
 Concen: 2.601 ug/l
 RT: 9.32 min Scan# 1244
 Delta R.T. 0.01 min
 Lab File: VY000231.D
 Acq: 08 Oct 2019 20:21

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.2	67.0	100.6
174	102.3	77.5	116.3





#47

Bromodichloromethane

Concen: 2.606 ug/l

RT: 9.50 min Scan# 1274

Delta R.T. 0.00 min

Lab File: VY000231.D

Acq: 08 Oct 2019 20:21

Instrument :

MSVOA_Y

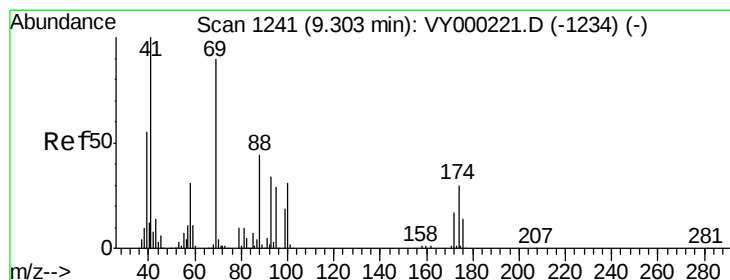
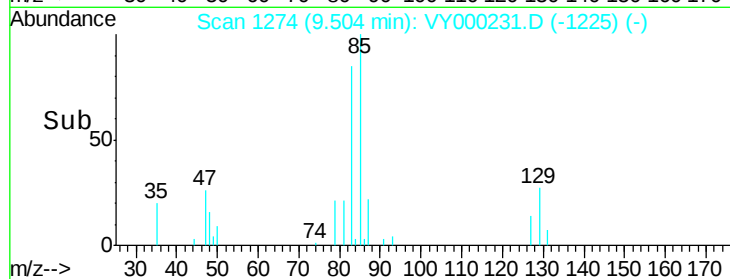
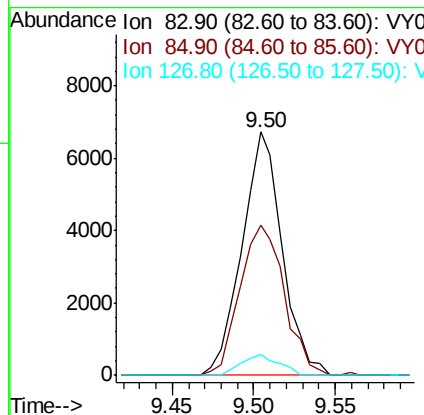
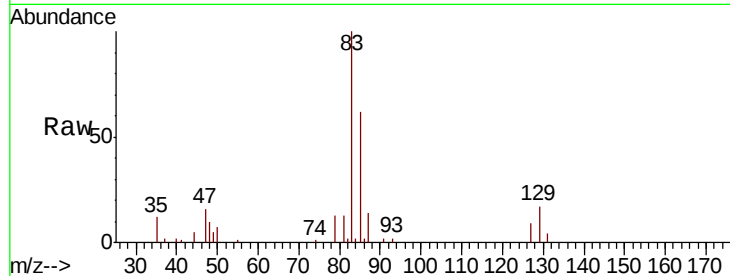
ClientSampleId :

2.5PPBMDL

Tot Ion:	83	Resp:	11545
Ion Ratio	Lower	Upper	
83	100		
85	61.8	48.0	72.0
127	8.6	6.5	9.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 2.636 ug/l

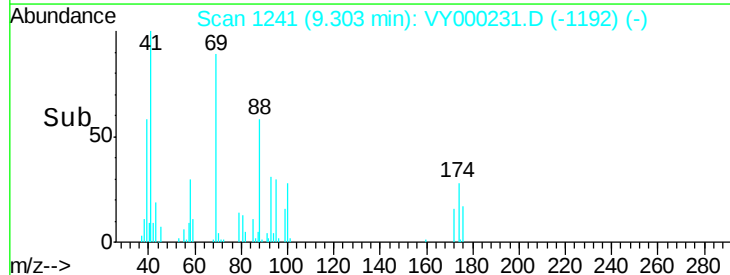
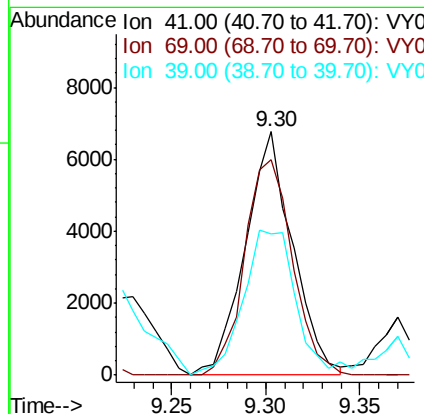
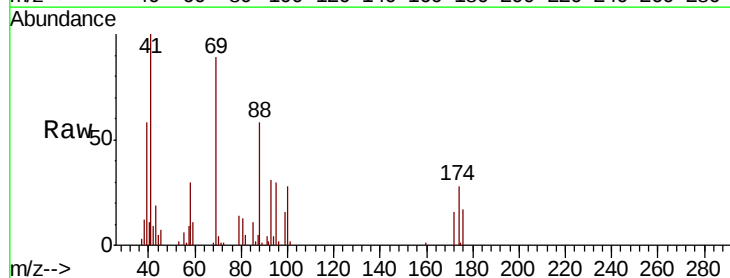
RT: 9.30 min Scan# 1241

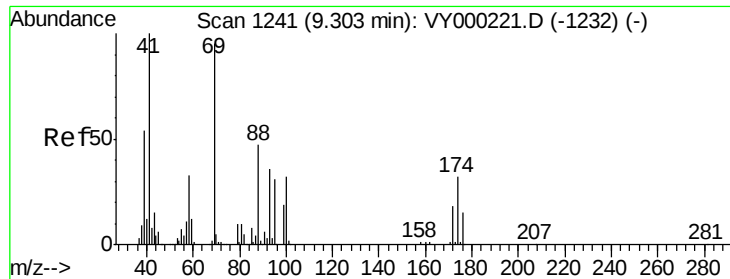
Delta R.T. 0.00 min

Lab File: VY000231.D

Acq: 08 Oct 2019 20:21

Tgt Ion:	41	Resp:	11770
Ion Ratio	Lower	Upper	
41	100		
69	89.7	70.3	105.5
39	66.5	45.5	68.3





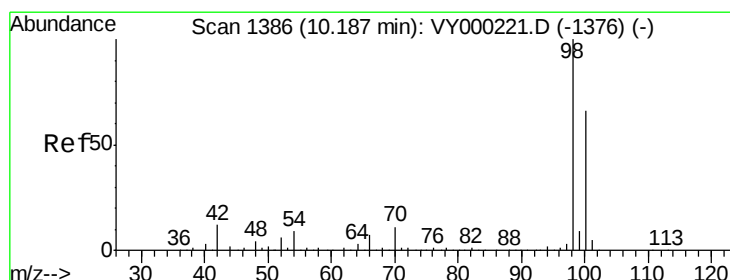
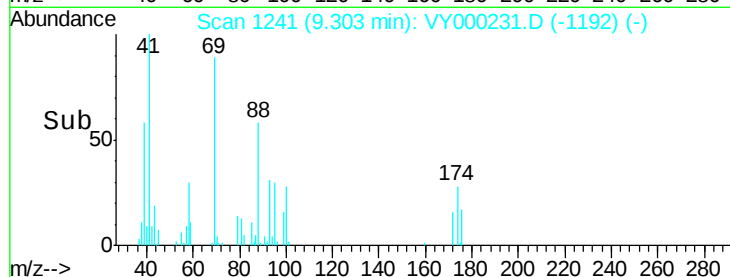
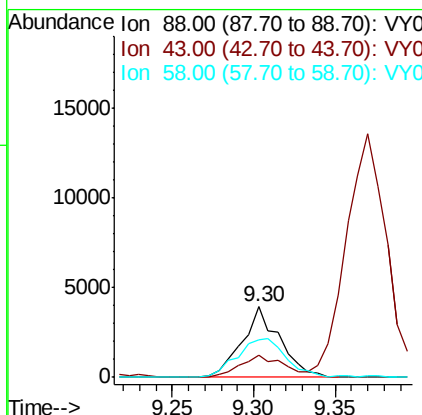
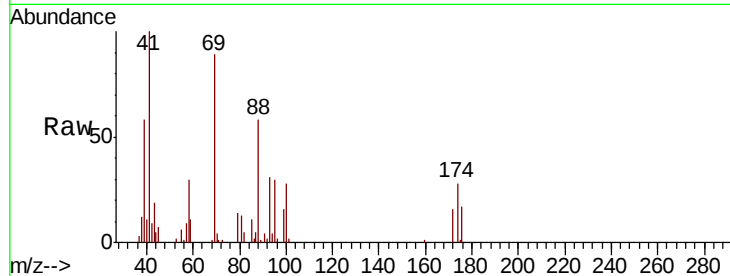
#49
1,4-Dioxane
Concen: 55.199 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. 0.00 min
Lab File: VY000231.D
Acq: 08 Oct 2019 20:21

Instrument :
MSVOA_Y
ClientSampleId :
2.5PPBMDL

Tot Ion	88	Resp	6328
Ion	Ratio	Lower	Upper
88	100		
43	33.9	24.5	36.7
58	69.2	54.2	81.2

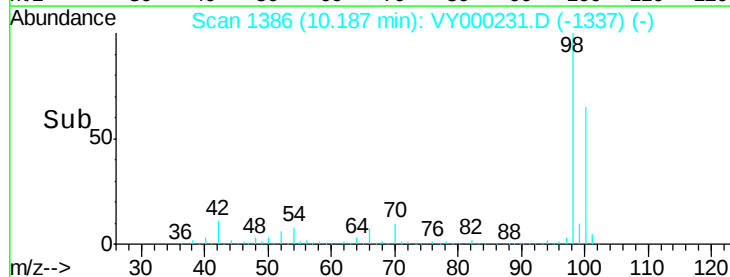
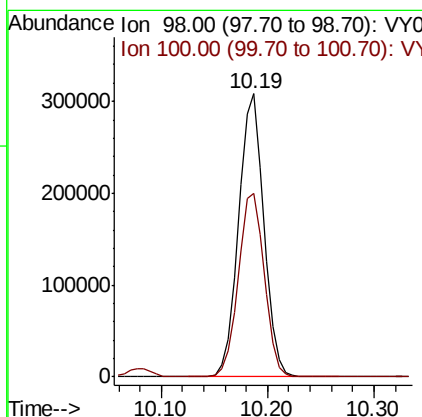
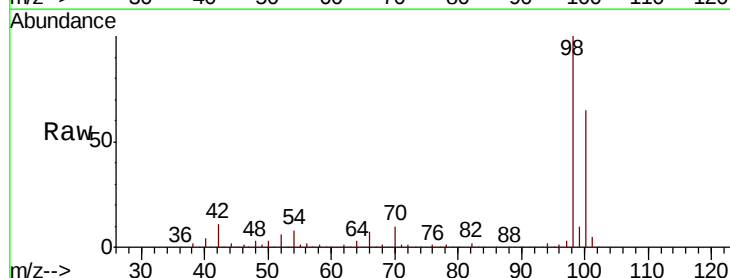
Manual Integrations
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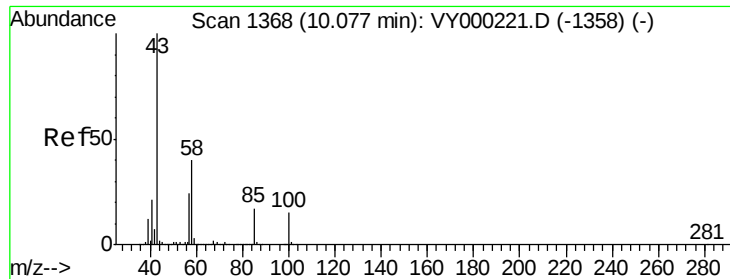
MMDadoda
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#50
Toluene-d8
Concen: 50.203 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. 0.00 min
Lab File: VY000231.D
Acq: 08 Oct 2019 20:21

Tgt Ion	98	Resp	513474
Ion	Ratio	Lower	Upper
98	100		
100	66.8	53.0	79.6





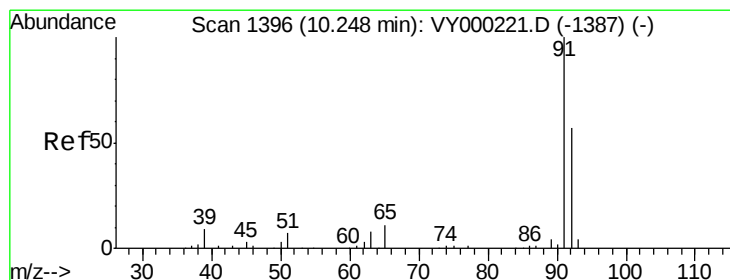
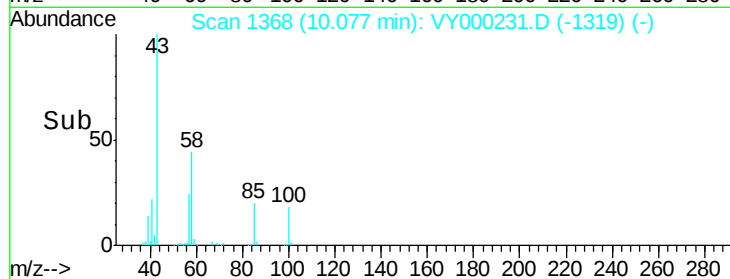
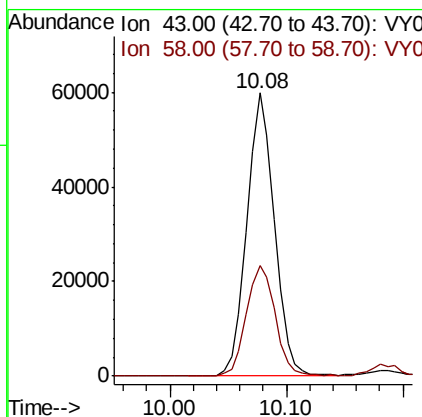
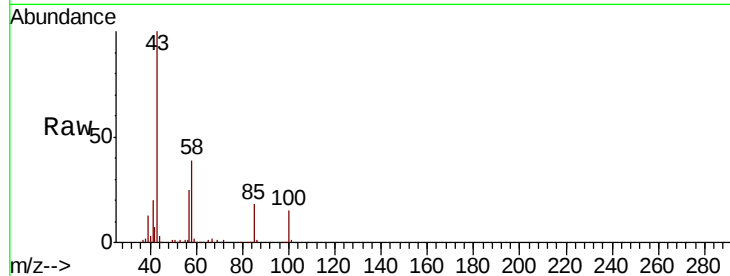
#51
4-Methyl-2-Pentanone
Concen: 13.306 ug/l
RT: 10.08 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VY000231.D
Acq: 08 Oct 2019 20:21

Instrument :
MSVOA_Y
ClientSampleId :
2.5PPBMDL

Tot Ion	43	Resp	98941
Ion Ratio	100	Lower	Upper
58	41.1	31.7	47.5

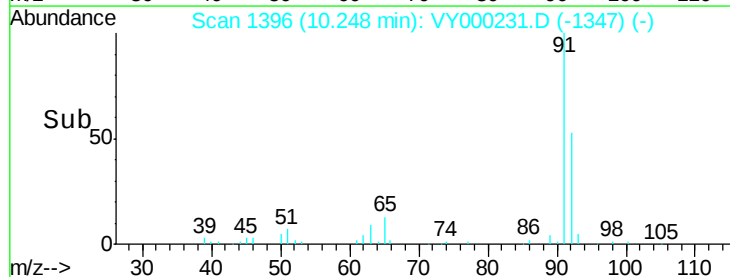
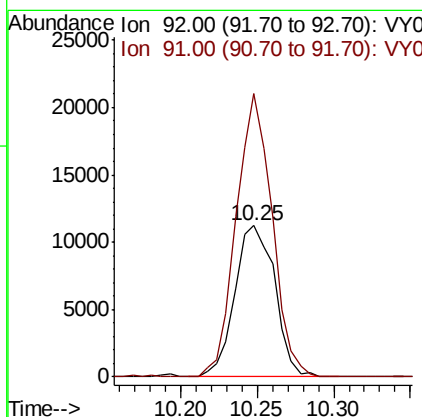
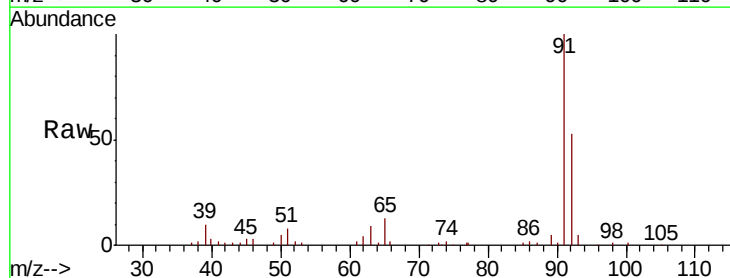
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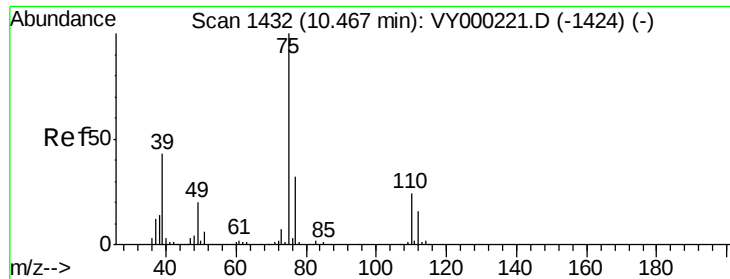
MMDadoda
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#52
Toluene
Concen: 2.463 ug/l
RT: 10.25 min Scan# 1396
Delta R.T. 0.00 min
Lab File: VY000231.D
Acq: 08 Oct 2019 20:21

Tgt Ion	92	Resp	20376
Ion Ratio	100	Lower	Upper
91	167.3	139.1	208.7





#53

t-1,3-Dichloropropene

Concen: 2.413 ug/l

RT: 10.47 min Scan# 1433

Delta R.T. 0.01 min

Lab File: VY000231.D

Acq: 08 Oct 2019 20:21

Instrument :

MSVOA_Y

ClientSampleId :

2.5PPBMDL

Tot Ion: 75 Resp: 12128

Ion Ratio Lower Upper

75 100

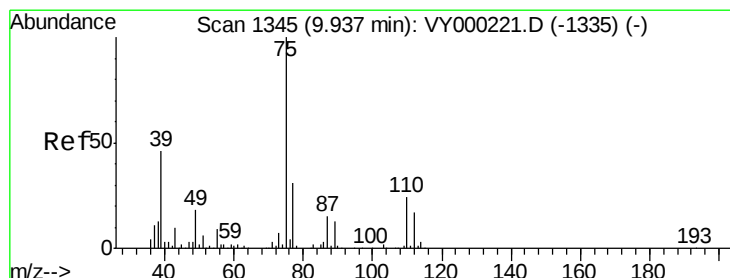
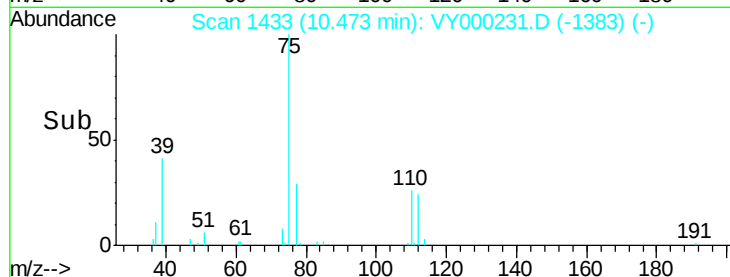
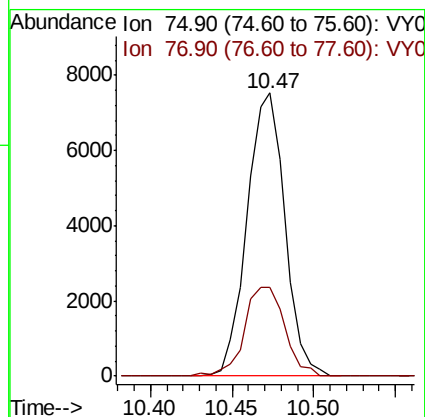
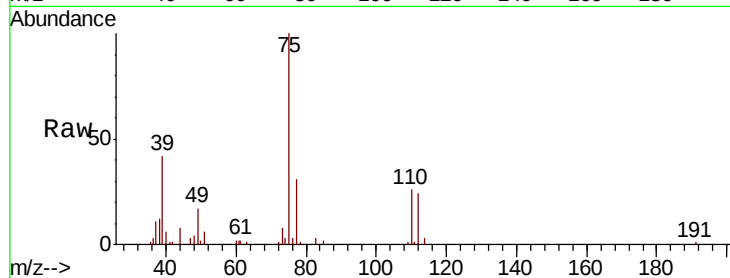
77 31.4 25.3 37.9

Manual Integrations

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MMDadoda

10/10/2019 12:52:32 AM



#54

cis-1,3-Dichloropropene

Concen: 2.373 ug/l

RT: 9.93 min Scan# 1344

Delta R.T. -0.01 min

Lab File: VY000231.D

Acq: 08 Oct 2019 20:21

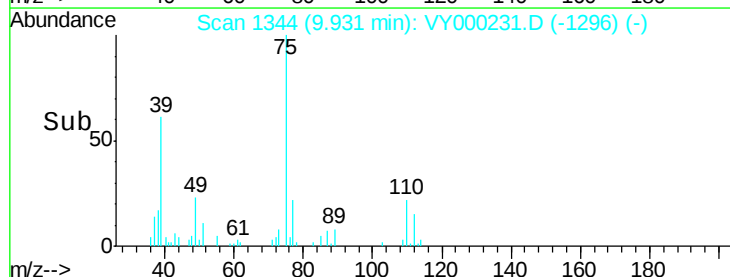
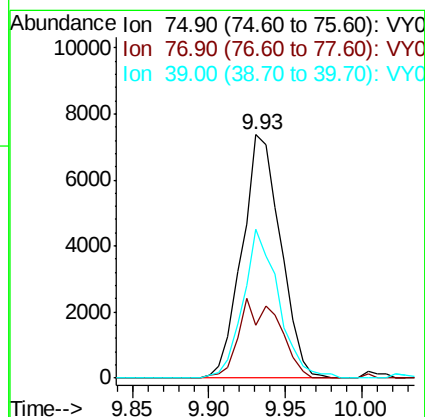
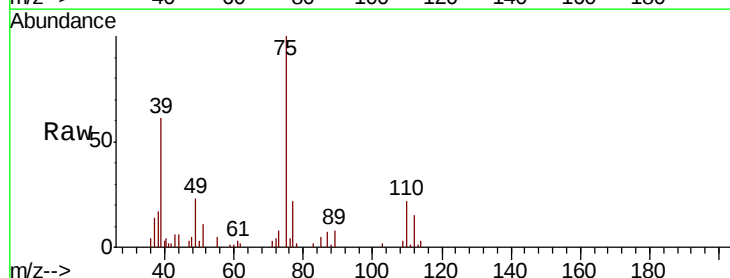
Tgt Ion: 75 Resp: 12908

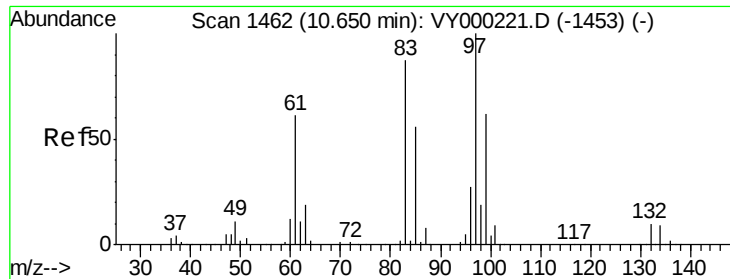
Ion Ratio Lower Upper

75 100

77 21.6 25.0 37.4#

39 61.3 36.3 54.5#





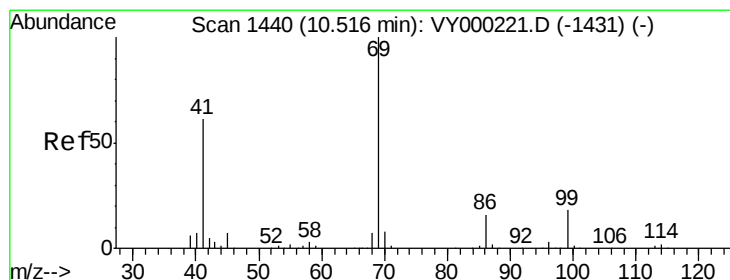
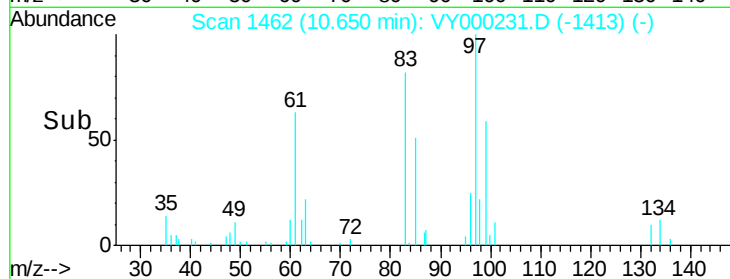
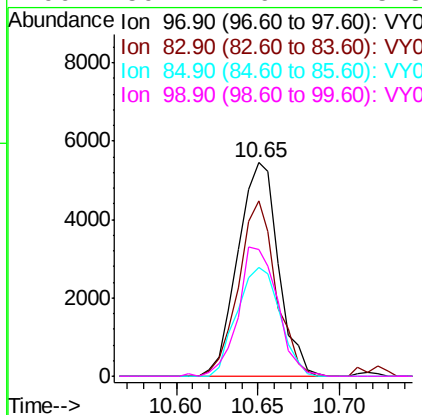
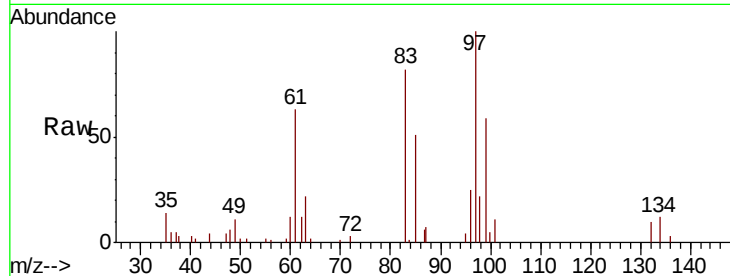
#55
 1,1,2-Trichloroethane
 Concen: 2.906 ug/l
 RT: 10.65 min Scan# 1462
 Delta R.T. 0.00 min
 Lab File: VY000231.D
 Acq: 08 Oct 2019 20:21

Instrument :
 MSVOA_Y
 ClientSampleId :
 2.5PPBMDL

Tot Ion	Ratio	Lower	Upper
97	100		
83	81.9	69.4	104.0
85	50.9	44.6	66.8
99	59.2	49.2	73.8

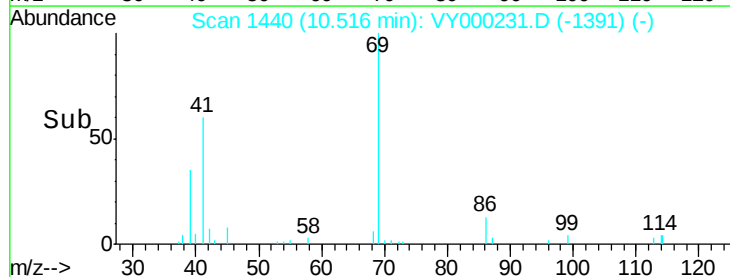
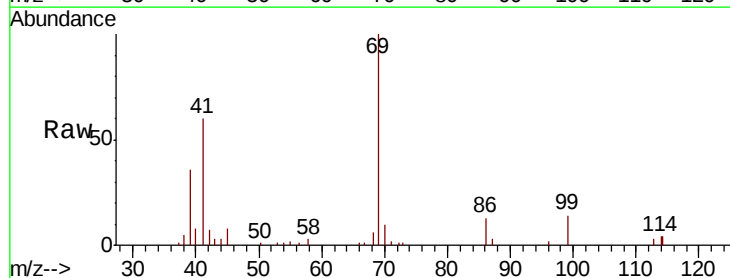
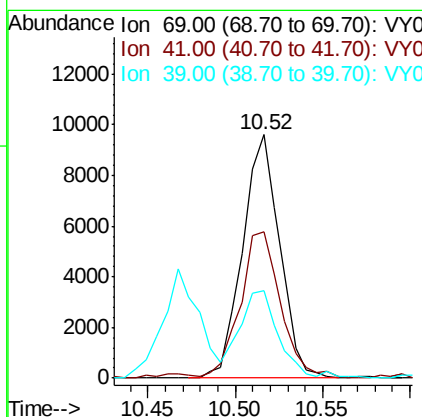
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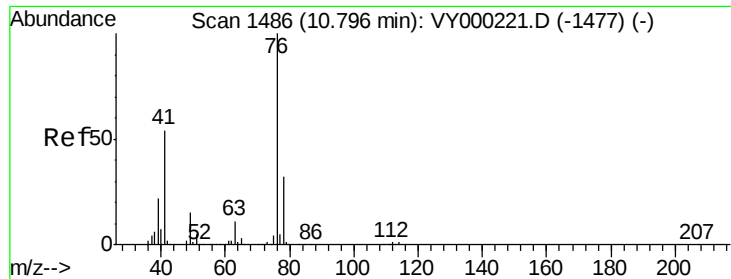
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 10/10/2019 12:52:32 AM



#56
 Ethyl methacrylate
 Concen: 2.468 ug/l
 RT: 10.52 min Scan# 1440
 Delta R.T. 0.00 min
 Lab File: VY000231.D
 Acq: 08 Oct 2019 20:21

Tgt Ion	Ratio	Lower	Upper
69	100		
41	65.7	51.2	76.8
39	36.1	27.0	40.4





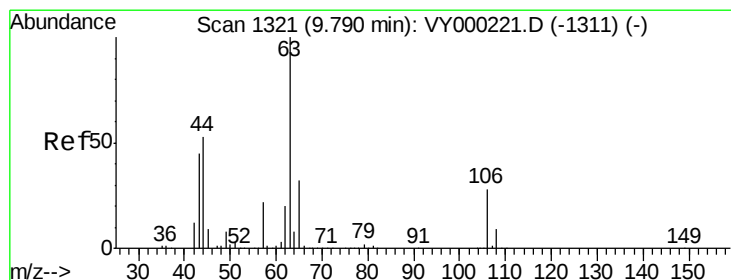
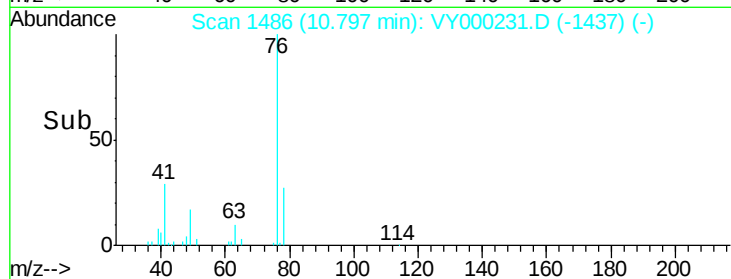
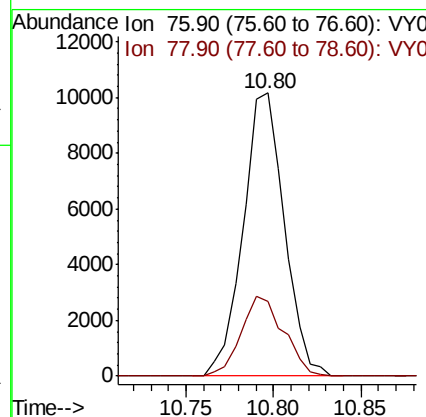
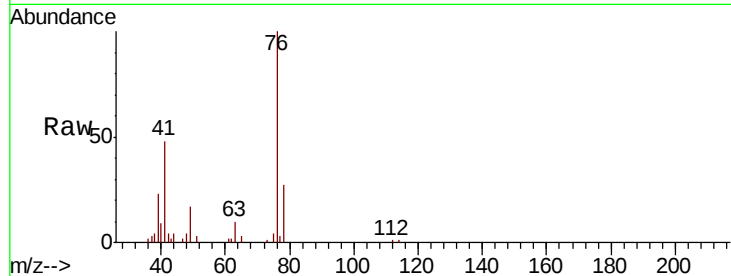
#57
 1,3-Dichloropropane
 Concen: 2.981 ug/l
 RT: 10.80 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VY000231.D
 Acq: 08 Oct 2019 20:21

Instrument :
 MSVOA_Y
 ClientSampleId :
 2.5PPBMDL

Tot Ion: 76 Resp: 16604
 Ion Ratio Lower Upper
 76 100
 78 29.2 26.0 39.0

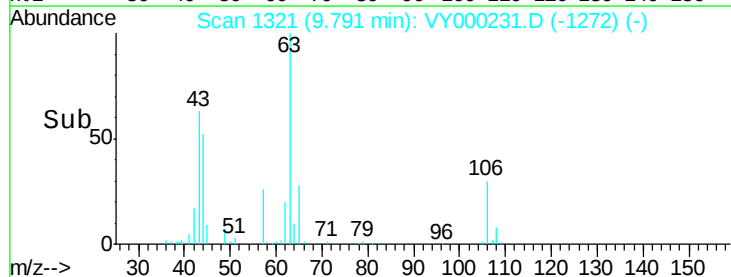
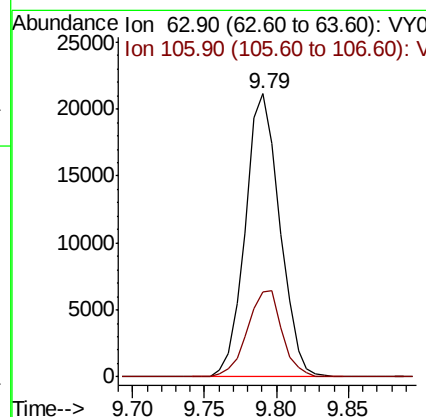
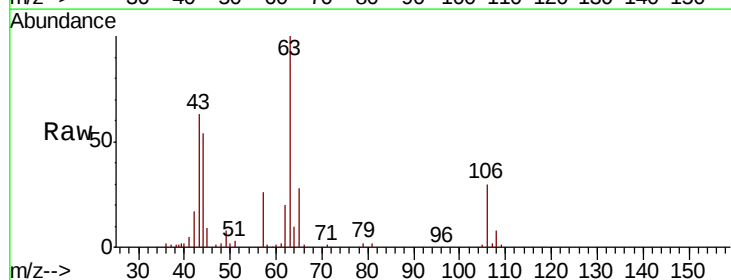
Manual Integrations
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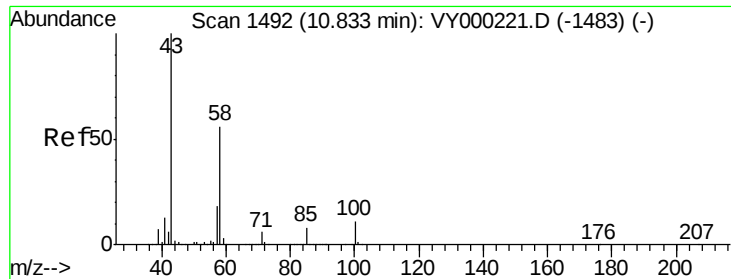
MMDadoda
 10/10/2019 12:52:32 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 13.685 ug/l
 RT: 9.79 min Scan# 1321
 Delta R.T. 0.00 min
 Lab File: VY000231.D
 Acq: 08 Oct 2019 20:21

Tgt Ion: 63 Resp: 35031
 Ion Ratio Lower Upper
 63 100
 106 30.5 22.6 33.8





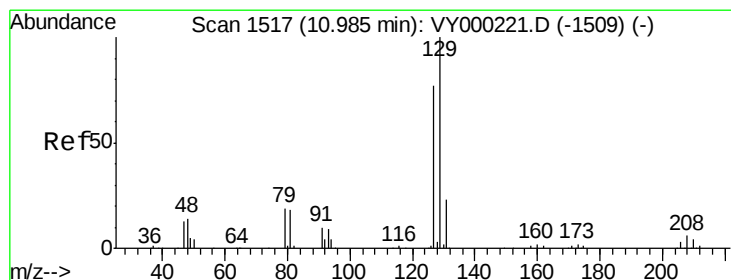
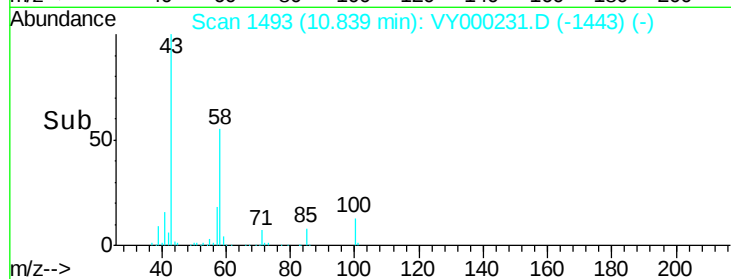
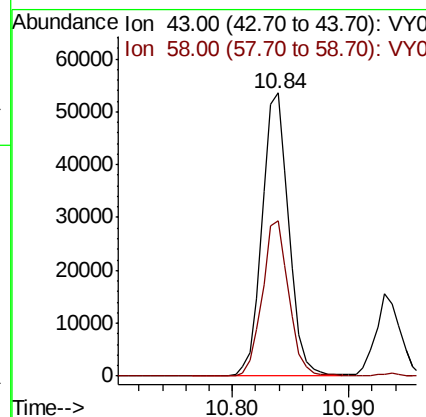
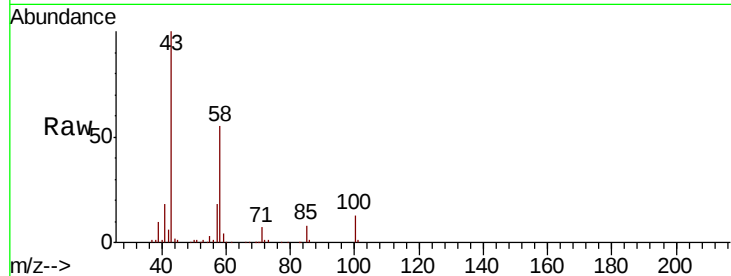
#59
2-Hexanone
Concen: 13.584 ug/l
RT: 10.84 min Scan# 1493
Delta R.T. 0.01 min
Lab File: VY000231.D
Acq: 08 Oct 2019 20:21

Instrument :
MSVOA_Y
ClientSampleId :
2.5PPBMDL

Tot Ion	43	Resp	85608
Ion Ratio	43	100	
Lower	58	54.5	28.2
Upper			84.6

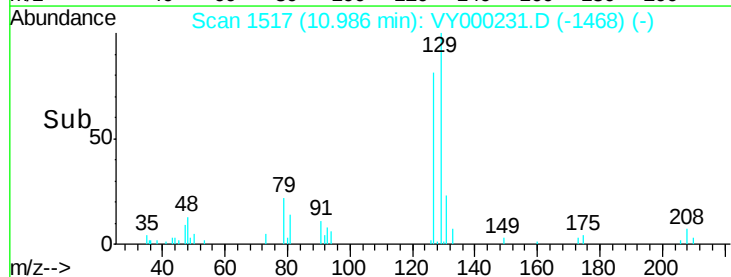
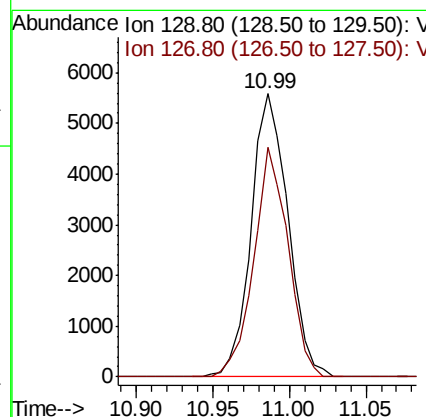
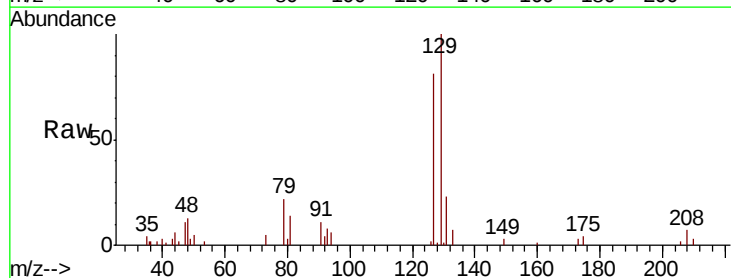
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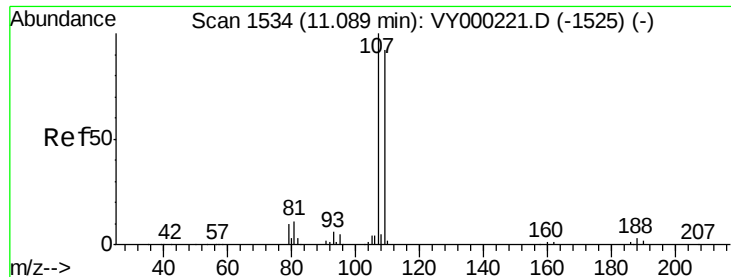
MMDadoda
10/10/2019 12:52:32 AM



#60
Dibromochloromethane
Concen: 2.704 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VY000231.D
Acq: 08 Oct 2019 20:21

Tgt Ion	129	Resp	9325
Ion Ratio	129	100	
Lower	127	75.9	39.1
Upper			117.2





#61

1,2-Dibromoethane

Concen: 2.786 ug/l

RT: 11.10 min Scan# 1535

Delta R.T. 0.01 min

Lab File: VY000231.D

Acq: 08 Oct 2019 20:21

Instrument :

MSVOA_Y

ClientSampleId :

2.5PPBMDL

Tot Ion: 107 Resp: 9655

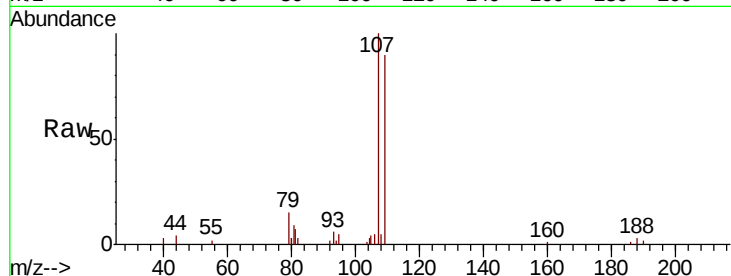
Ion Ratio Lower Upper

107 100

109 88.7 75.0 112.6

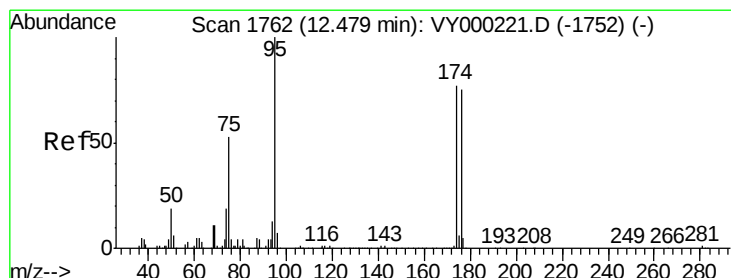
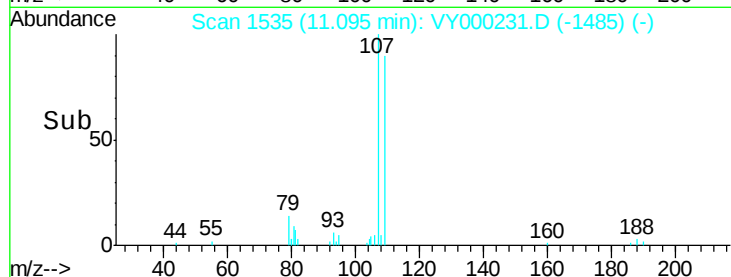
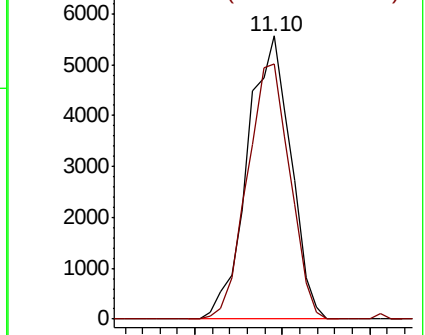
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.207 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY000231.D

Acq: 08 Oct 2019 20:21

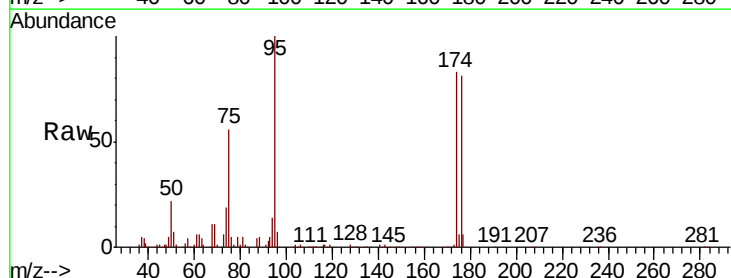
Tgt Ion: 95 Resp: 174016

Ion Ratio Lower Upper

95 100

174 84.0 0.0 157.0

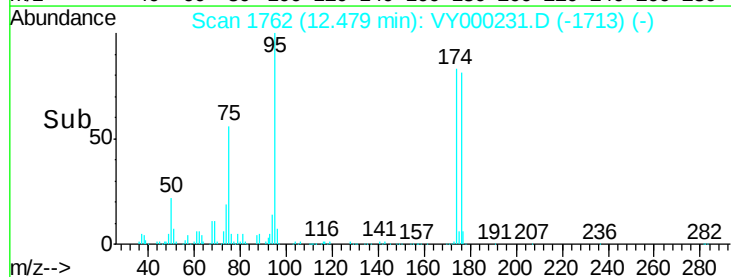
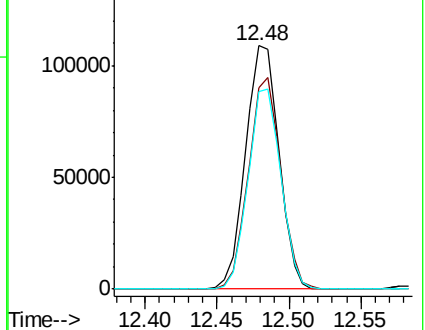
176 80.7 0.0 153.0

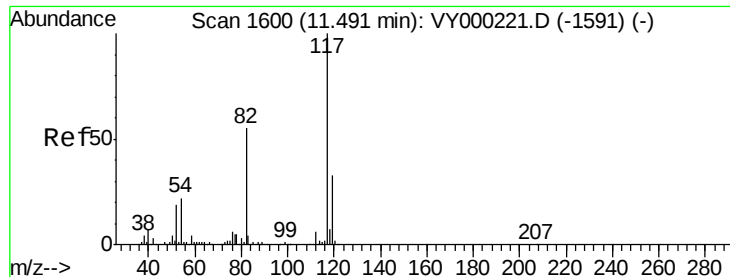


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





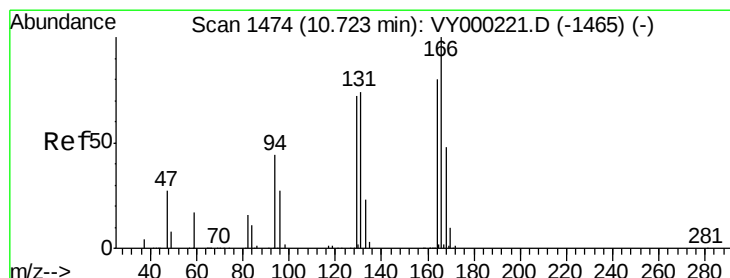
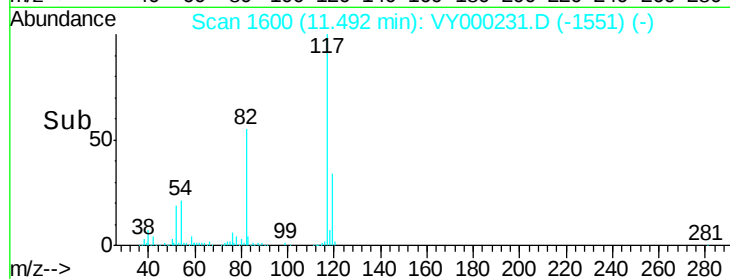
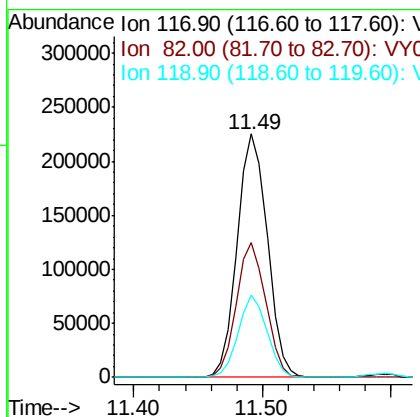
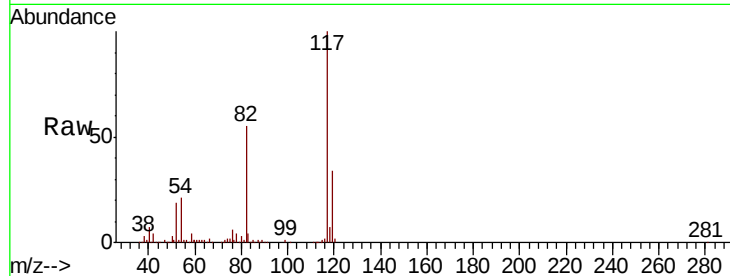
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY000231.D
Acq: 08 Oct 2019 20:21

Instrument :
MSVOA_Y
ClientSampleId :
2.5PPBMDL

Tot Ion	Ratio	Resp	Lower	Upper
117	100	365231		
82	55.2	44.4	66.6	
119	33.6	26.2	39.2	

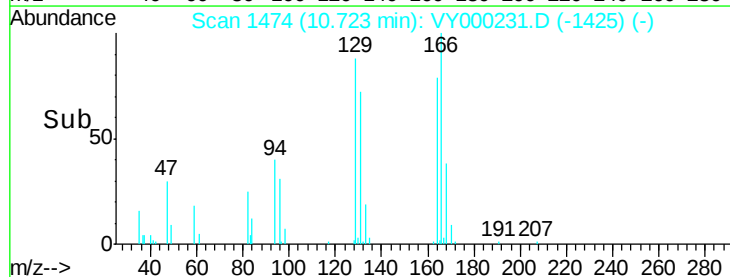
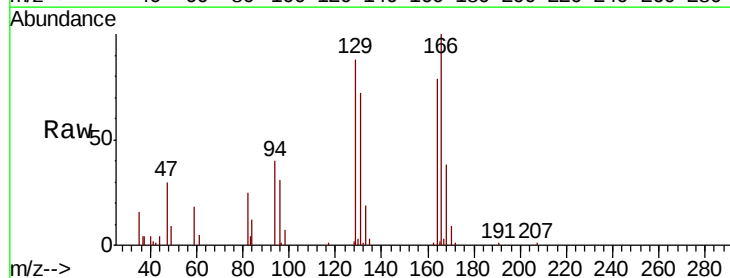
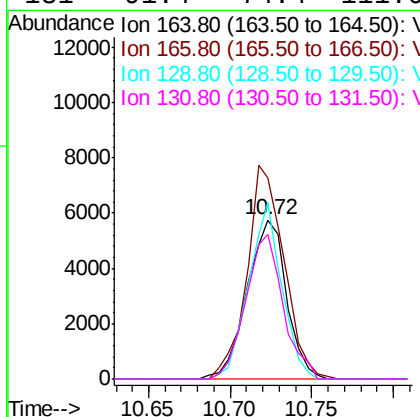
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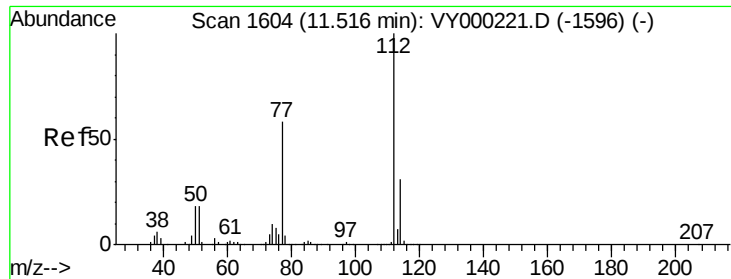
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#64
Tetrachloroethene
Concen: 2.880 ug/l
RT: 10.72 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VY000231.D
Acq: 08 Oct 2019 20:21

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	9614		
166	126.9	100.3	150.5	
129	111.6	72.4	108.6	
131	91.4	74.4	111.6	





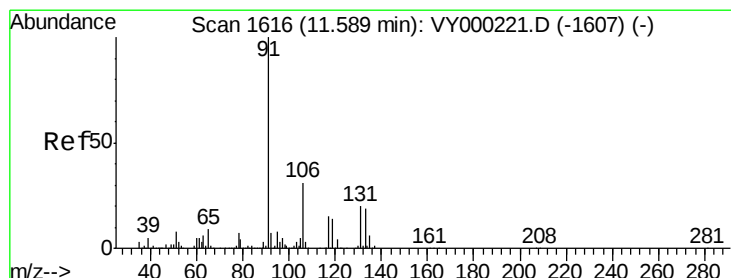
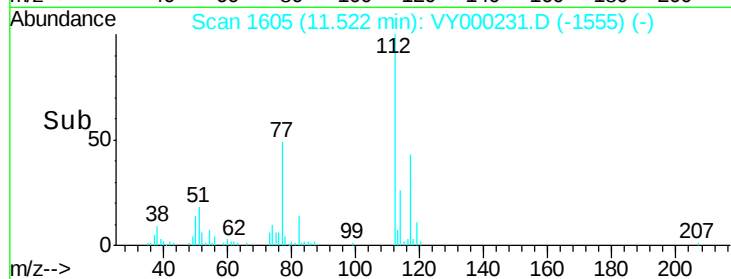
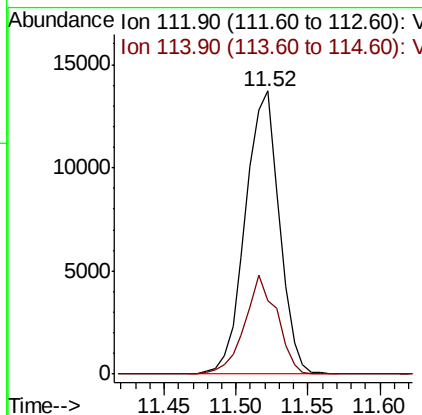
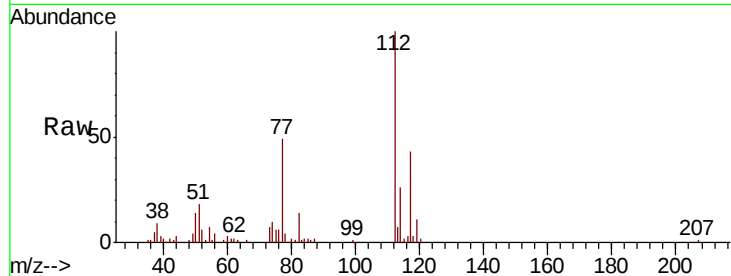
#65
Chlorobenzene
Concen: 2.646 ug/l
RT: 11.52 min Scan# 1605
Delta R.T. 0.01 min
Lab File: VY000231.D
Acq: 08 Oct 2019 20:21

Instrument :
MSVOA_Y
ClientSampleId :
2.5PPBMDL

Tot Ion	Ratio	Lower	Upper
112	100		
114	25.8	25.0	37.4

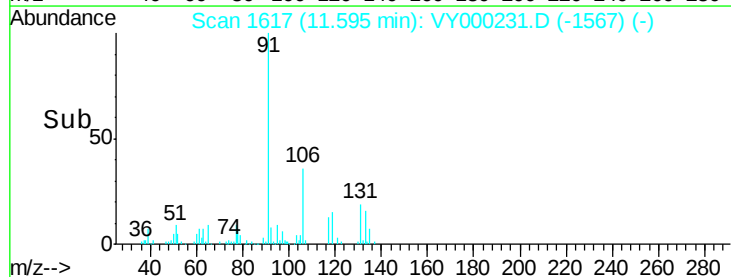
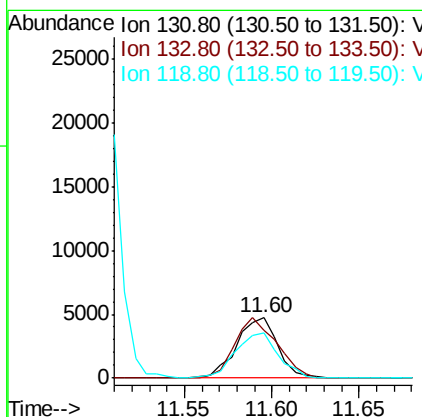
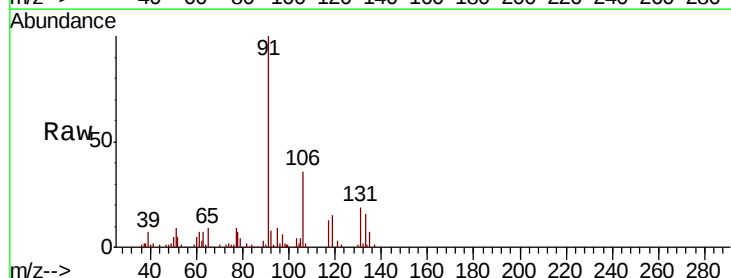
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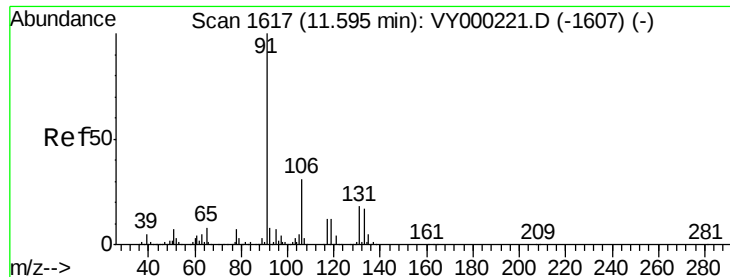
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 2.538 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. 0.01 min
Lab File: VY000231.D
Acq: 08 Oct 2019 20:21

Tgt Ion	Ratio	Lower	Upper
131	100		
133	103.5	47.0	141.2
119	78.0	33.3	99.8





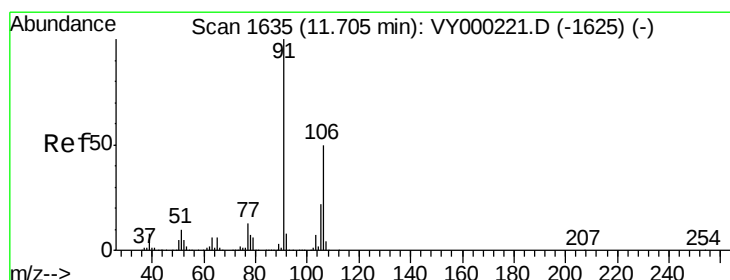
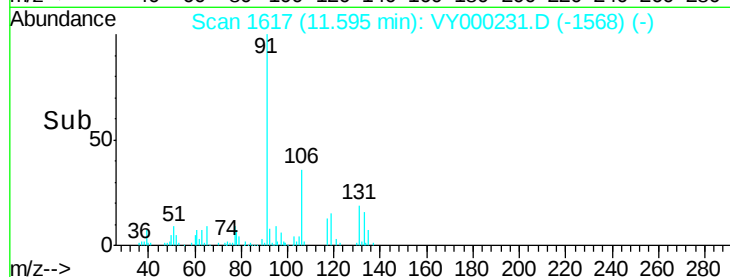
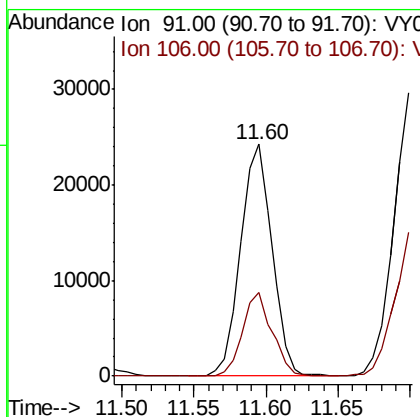
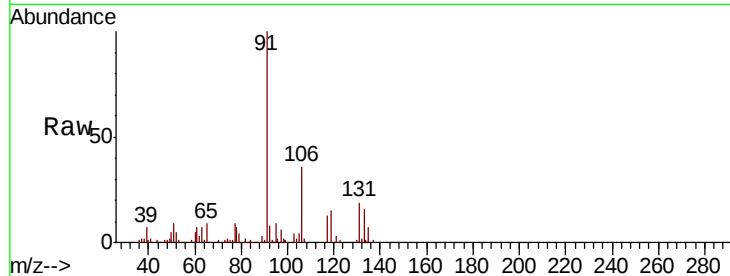
#67
Ethyl Benzene
Concen: 2.425 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. 0.00 min
Lab File: VY000231.D
Acq: 08 Oct 2019 20:21

Instrument :
MSVOA_Y
ClientSampleId :
2.5PPBMDL

Tot Ion: 91 Resp: 36689
Ion Ratio Lower Upper
91 100
106 36.1 25.2 37.8

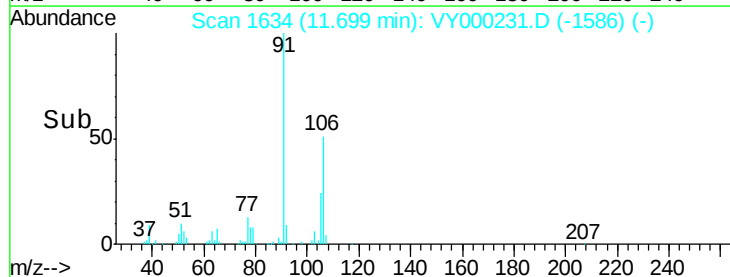
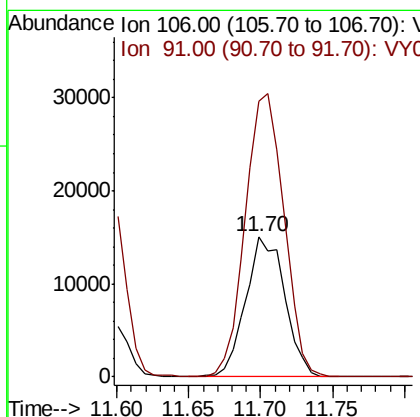
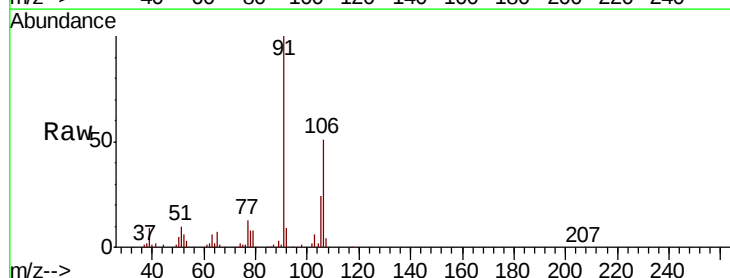
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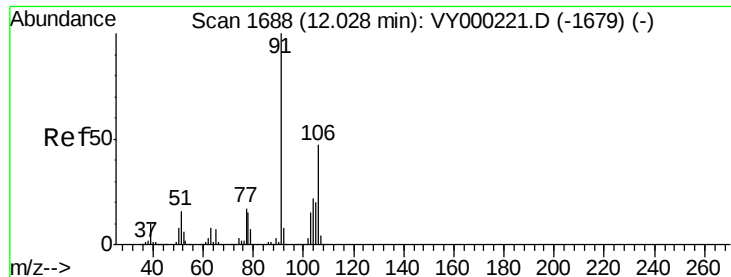
MMDadoda
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#68
m/p-Xylenes
Concen: 4.899 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. -0.01 min
Lab File: VY000231.D
Acq: 08 Oct 2019 20:21

Tgt Ion: 106 Resp: 28281
Ion Ratio Lower Upper
106 100
91 200.3 159.9 239.9





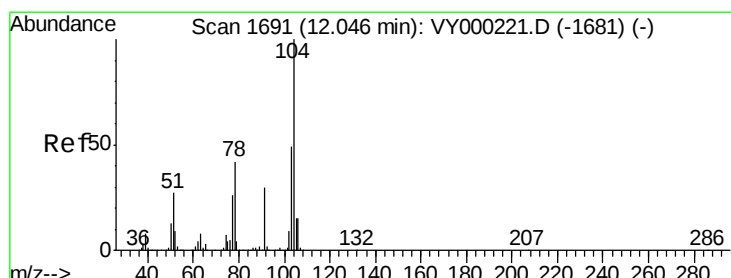
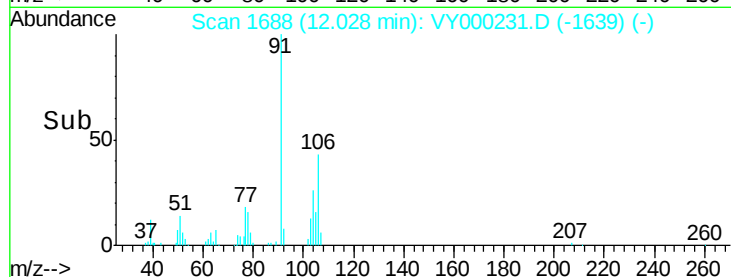
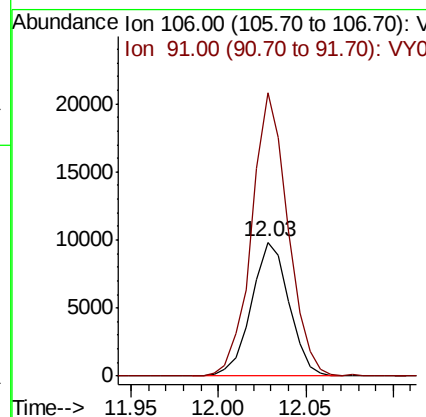
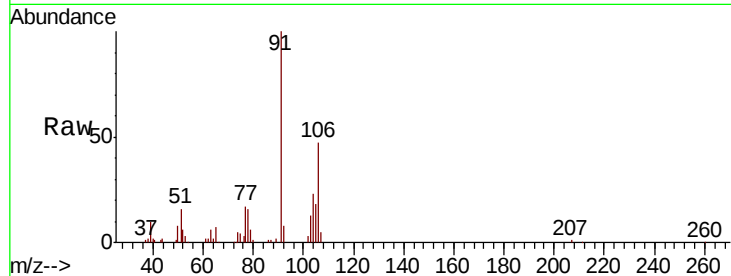
#69
o-Xylene
Concen: 2.641 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VY000231.D
Acq: 08 Oct 2019 20:21

Instrument :
MSVOA_Y
ClientSampleId :
2.5PPBMDL

Tot Ion:106 Resp: 14690
Ion Ratio Lower Upper
106 100
91 203.9 106.1 318.1

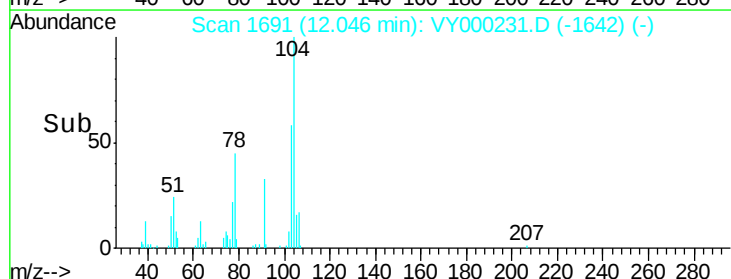
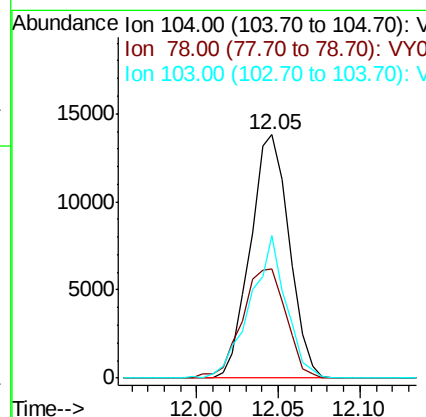
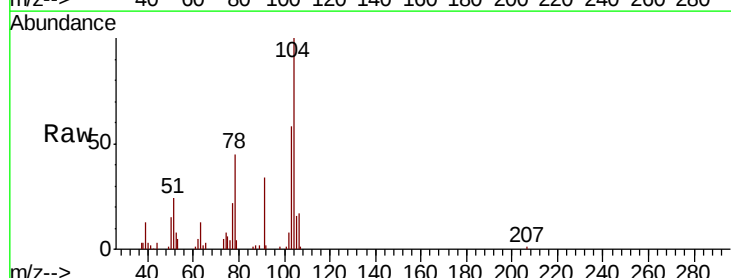
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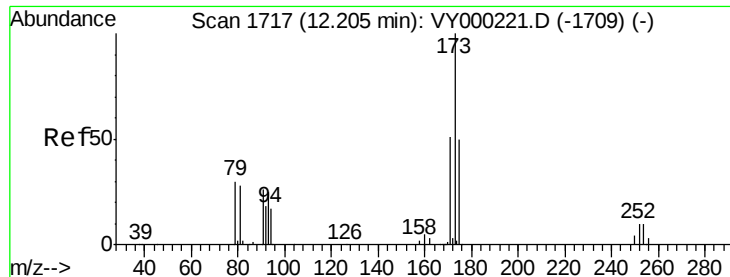
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#70
Styrene
Concen: 2.385 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VY000231.D
Acq: 08 Oct 2019 20:21

Tgt Ion:104 Resp: 22853
Ion Ratio Lower Upper
104 100
78 50.9 39.0 58.4
103 54.1 43.1 64.7





#71

Bromoform

Concen: 2.462 ug/l

RT: 12.21 min Scan# 1718

Delta R.T. 0.01 min

Lab File: VY000231.D

Acq: 08 Oct 2019 20:21

Instrument :

MSVOA_Y

ClientSampleId :

2.5PPBMDL

Tot Ion:173 Resp: 6147

Ion Ratio Lower Upper

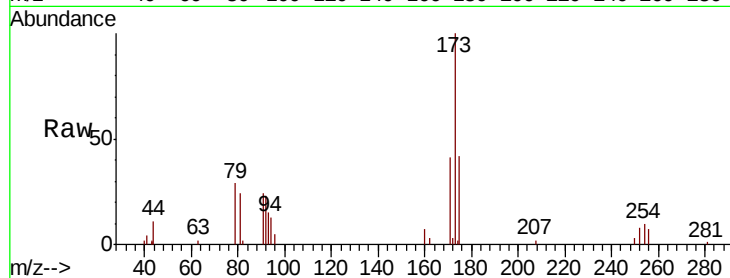
173 100

175 49.9 24.8 74.3

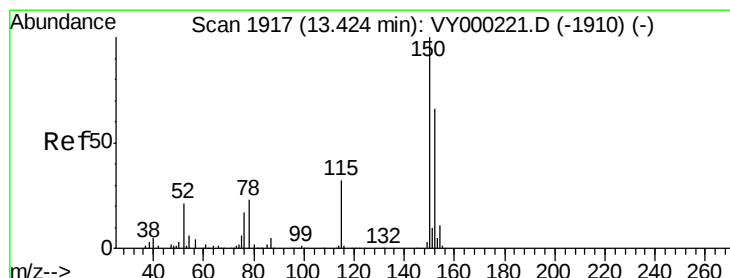
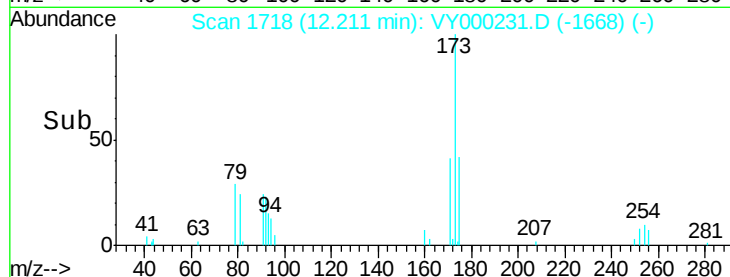
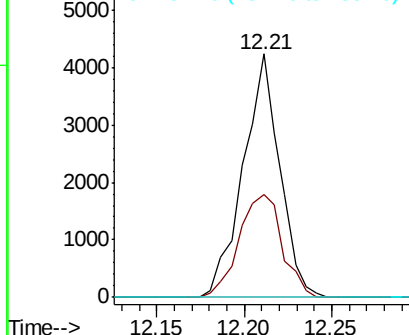
254 0.0 0.1 0.1#

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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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. 0.00 min

Lab File: VY000231.D

Acq: 08 Oct 2019 20:21

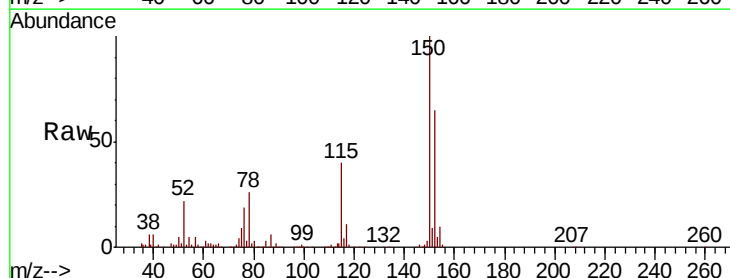
Tgt Ion:152 Resp: 166903

Ion Ratio Lower Upper

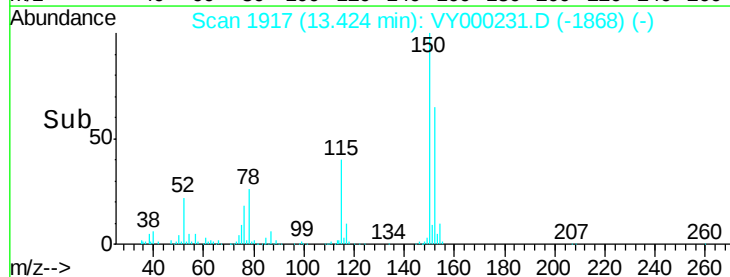
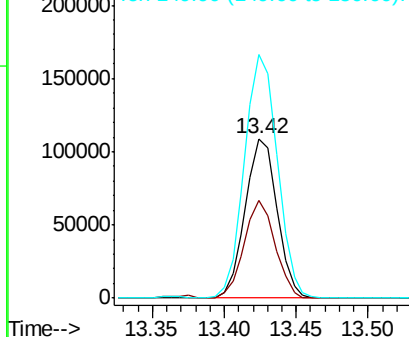
152 100

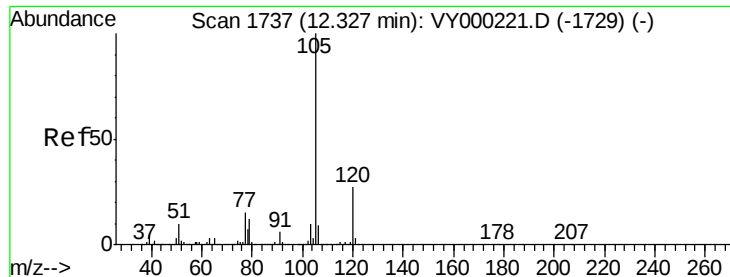
115 59.8 29.3 88.0

150 157.7 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





#73

Isopropylbenzene

Concen: 2.517 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VY000231.D

Acq: 08 Oct 2019 20:21

Instrument :

MSVOA_Y

ClientSampleId :

2.5PPBMDL

Tot Ion:105 Resp: 35592

Ion Ratio Lower Upper

105 100

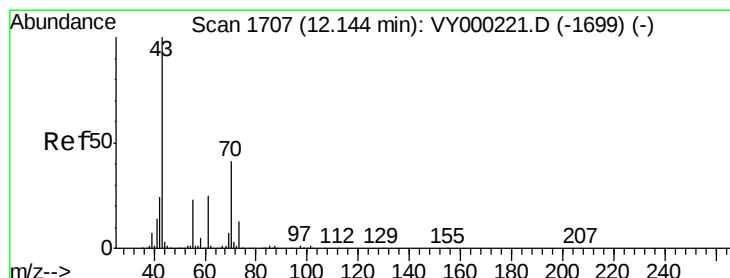
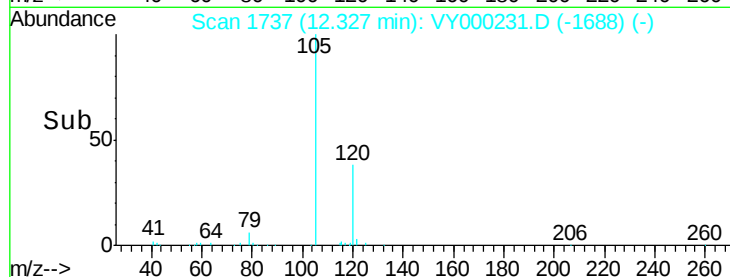
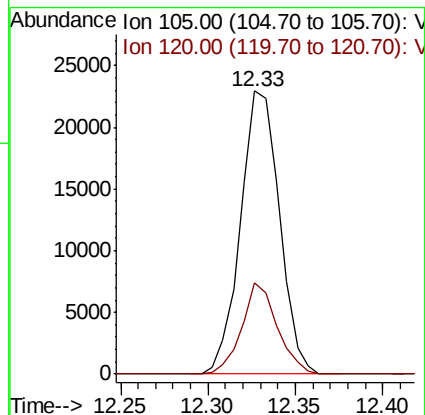
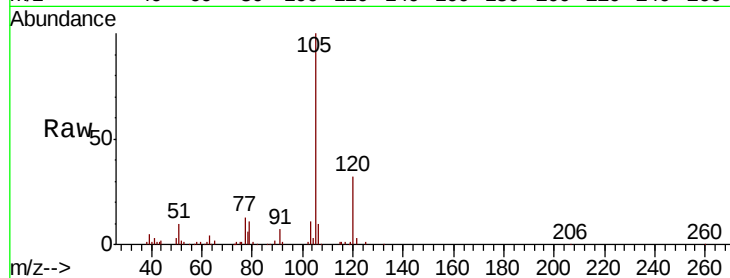
120 29.3 13.6 40.8

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#74

N-ethyl acetate

Concen: 2.449 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VY000231.D

Acq: 08 Oct 2019 20:21

Tgt Ion: 43 Resp: 16495

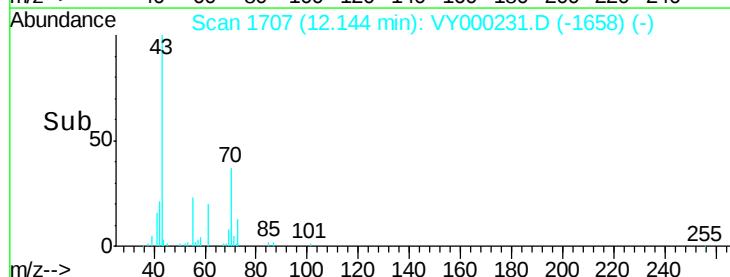
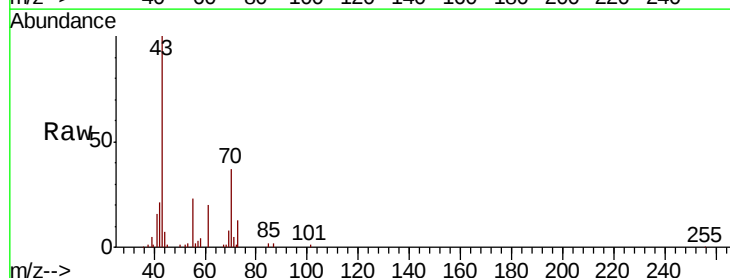
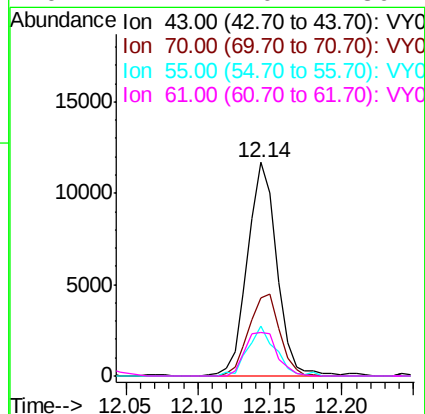
Ion Ratio Lower Upper

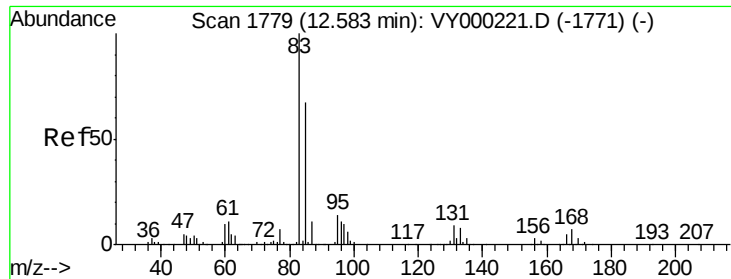
43 100

70 40.4 34.9 52.3

55 22.1 18.2 27.2

61 22.7 20.1 30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 2.823 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VY000231.D

Acq: 08 Oct 2019 20:21

Instrument :

MSVOA_Y

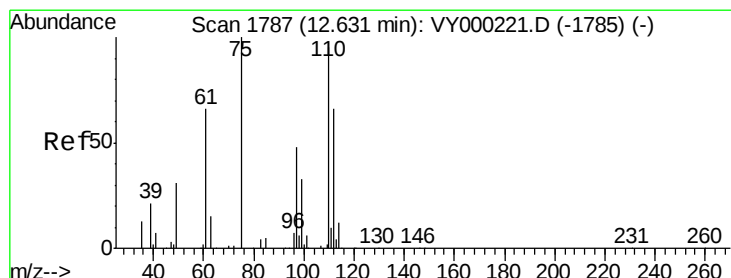
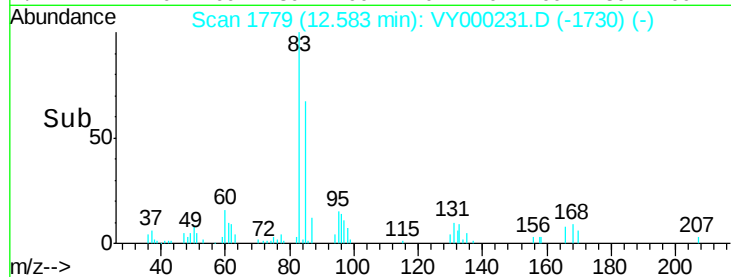
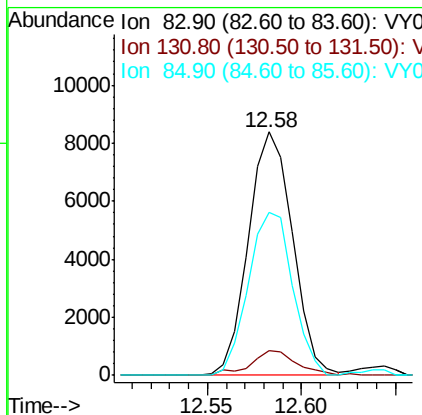
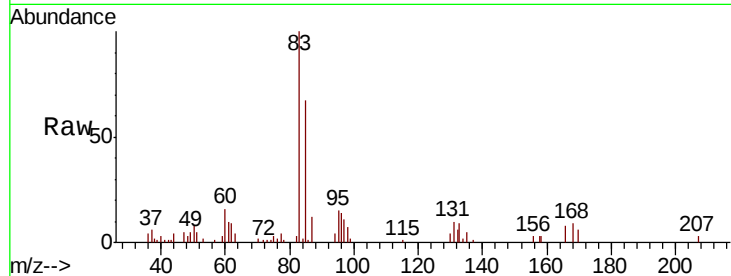
ClientSampleId :

2.5PPBMDL

Tot Ion:	83	Resp:	13626
Ion Ratio	Lower	Upper	
83	100		
131	10.5	4.8	14.3
85	67.2	32.5	97.5

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#76

1,2,3-Trichloropropane

Concen: 2.719 ug/l m

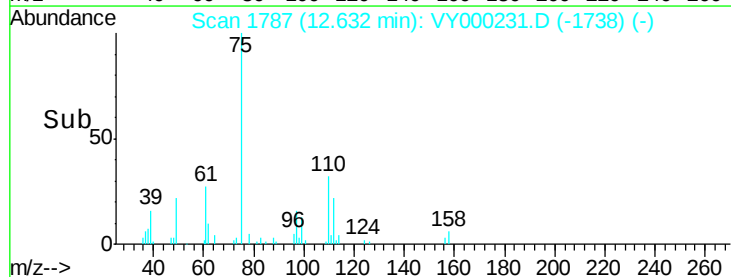
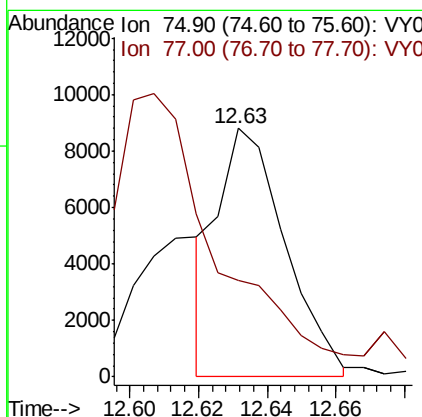
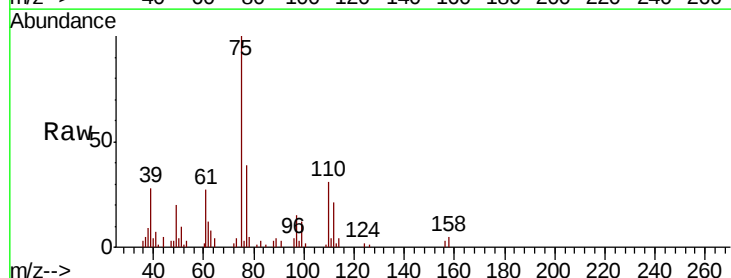
RT: 12.63 min Scan# 1787

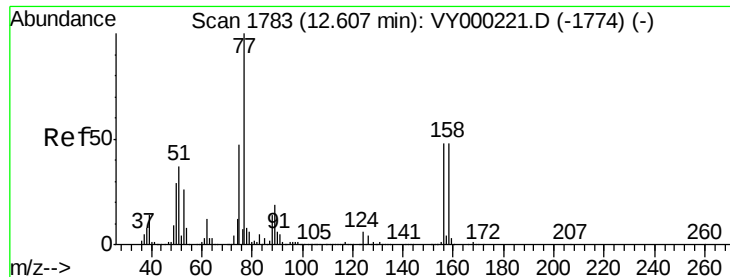
Delta R.T. 0.00 min

Lab File: VY000231.D

Acq: 08 Oct 2019 20:21

Tgt Ion:	75	Resp:	11981
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 2.764 ug/l

RT: 12.61 min Scan# 1784

Delta R.T. 0.01 min

Lab File: VY000231.D

Acq: 08 Oct 2019 20:21

Instrument :

MSVOA_Y

ClientSampleId :

2.5PPBMDL

Tot Ion:156 Resp: 9167

Ion Ratio Lower Upper

156 100

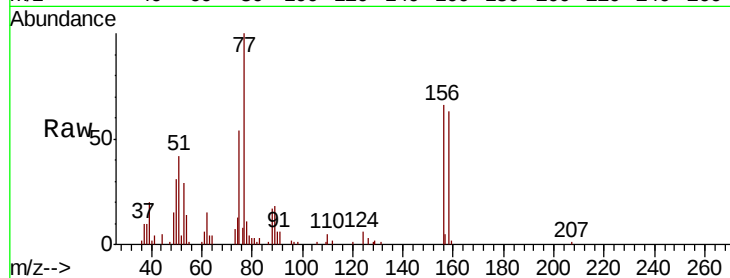
77 238.1 118.1 354.3

158 100.3 47.8 143.3

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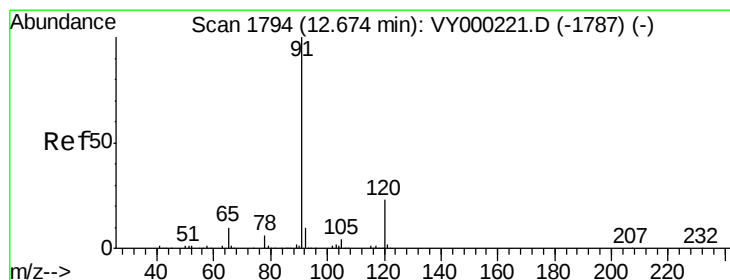
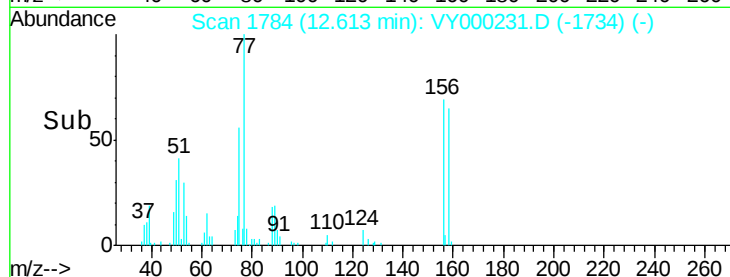
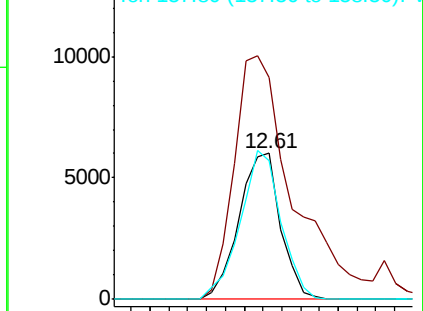
10/10/2019 12:52:32 AM



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: 2.506 ug/l

RT: 12.67 min Scan# 1793

Delta R.T. -0.01 min

Lab File: VY000231.D

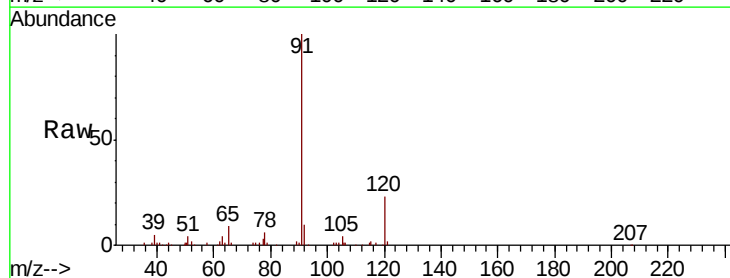
Acq: 08 Oct 2019 20:21

Tgt Ion: 91 Resp: 41400

Ion Ratio Lower Upper

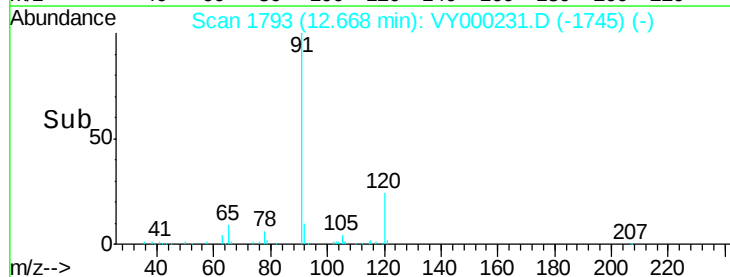
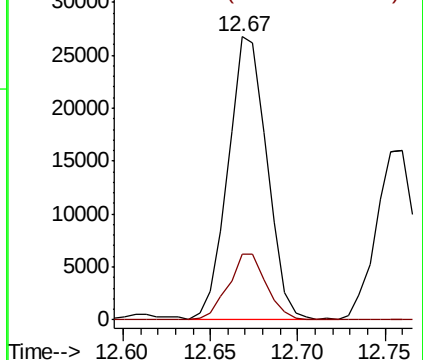
91 100

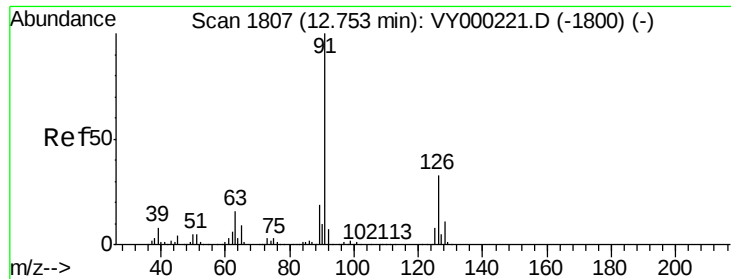
120 22.8 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





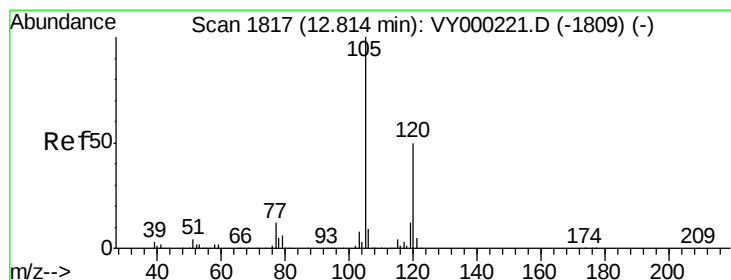
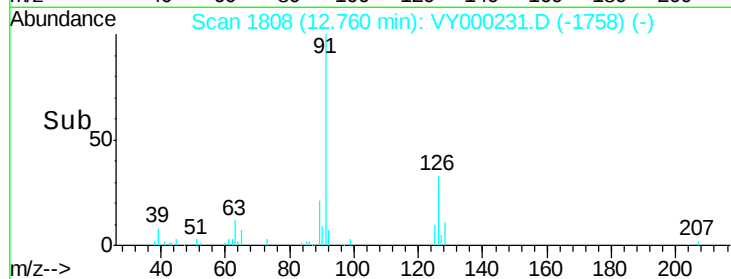
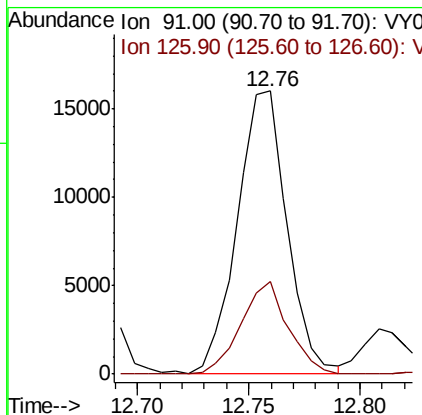
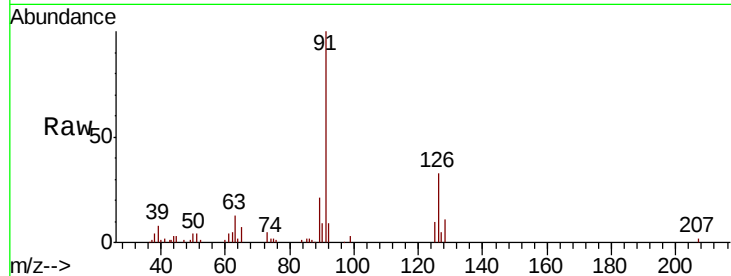
#79
2-Chlorotoluene
Concen: 2.626 ug/l
RT: 12.76 min Scan# 1808
Delta R.T. 0.01 min
Lab File: VY000231.D
Acq: 08 Oct 2019 20:21

Instrument :
MSVOA_Y
ClientSampleId :
2.5PPBMDL

Tot Ion: 91 Resp: 24981
Ion Ratio Lower Upper
91 100
126 30.8 17.2 51.6

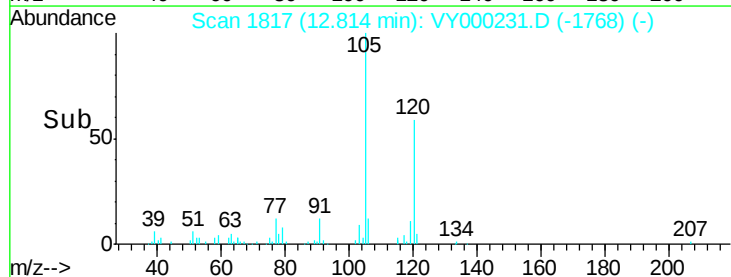
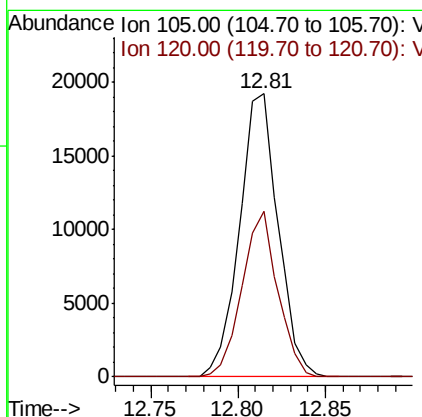
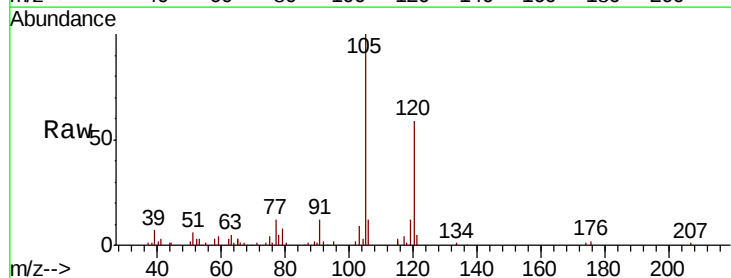
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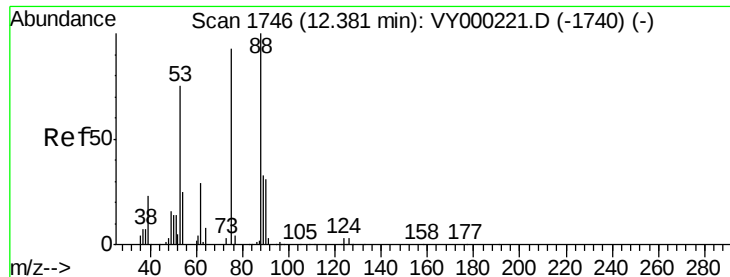
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#80
1,3,5-Trimethylbenzene
Concen: 2.510 ug/l
RT: 12.81 min Scan# 1817
Delta R.T. 0.00 min
Lab File: VY000231.D
Acq: 08 Oct 2019 20:21

Tgt Ion: 105 Resp: 29618
Ion Ratio Lower Upper
105 100
120 54.1 24.8 74.4





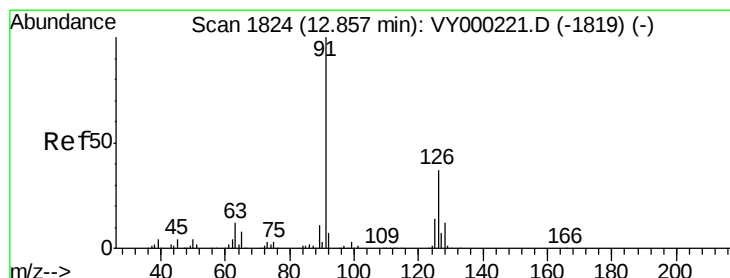
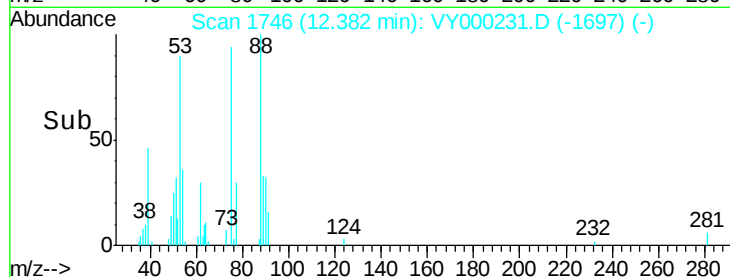
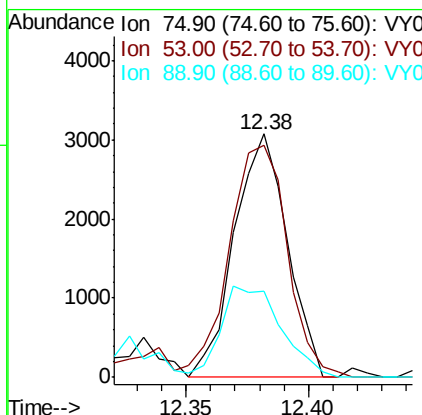
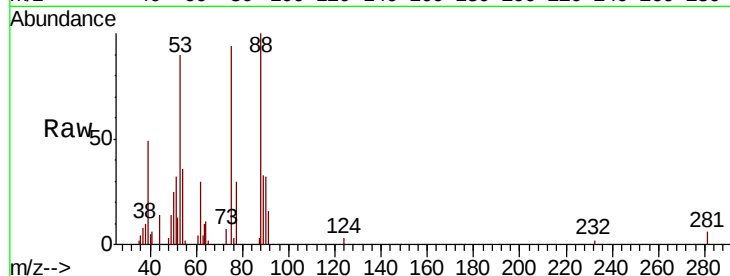
#81
trans-1,4-Dichloro-2-butene
Concen: 2.174 ug/l
RT: 12.38 min Scan# 1746
Delta R.T. 0.00 min
Lab File: VY000231.D
Acq: 08 Oct 2019 20:21

Instrument :
MSVOA_Y
ClientSampleId :
2.5PPBMDL

Tot Ion	Ratio	Lower	Upper
75	100		
53	105.1	66.5	99.7#
89	42.2	46.9	70.3#

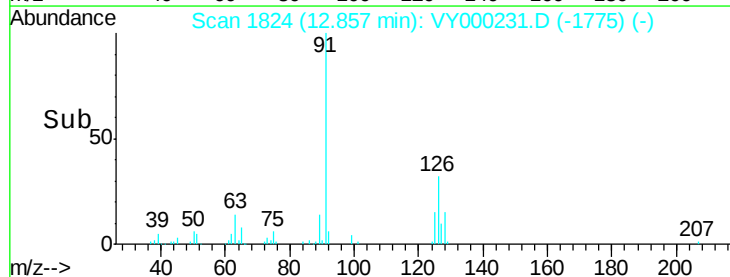
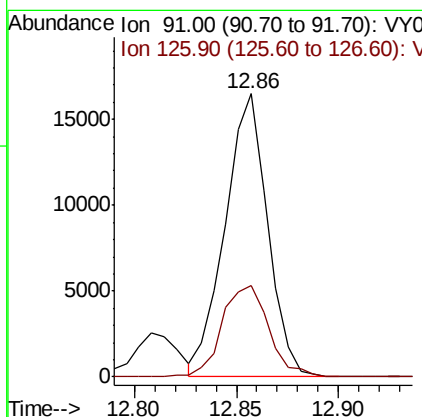
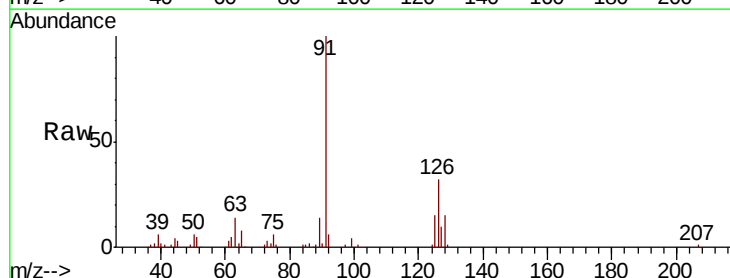
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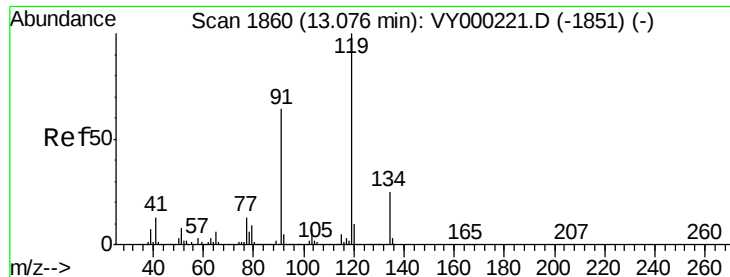
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#82
4-Chlorotoluene
Concen: 2.472 ug/l
RT: 12.86 min Scan# 1824
Delta R.T. 0.00 min
Lab File: VY000231.D
Acq: 08 Oct 2019 20:21

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.5	17.3	52.0





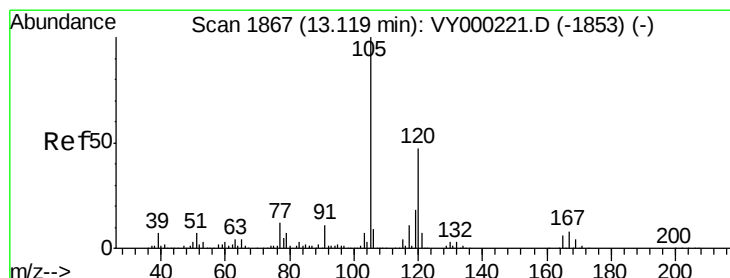
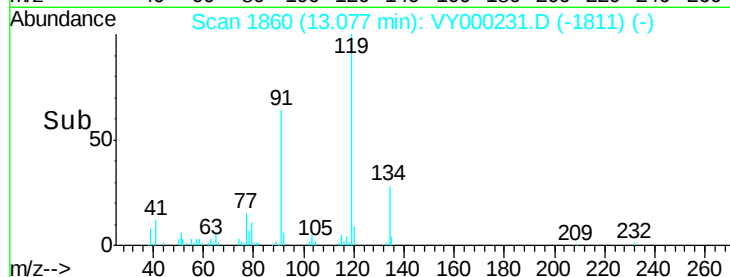
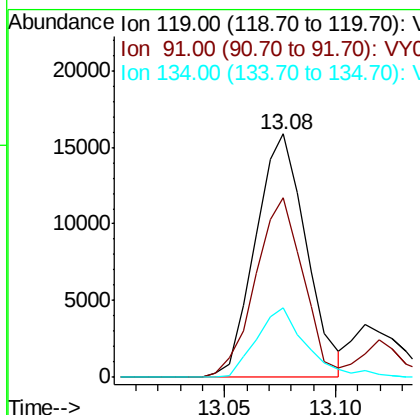
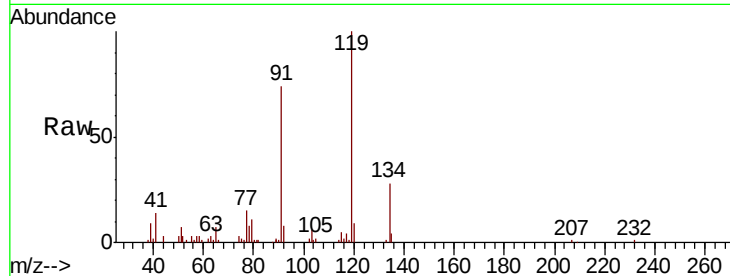
#83
tert-Butylbenzene
Concen: 2.448 ug/l
RT: 13.08 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VY000231.D
Acq: 08 Oct 2019 20:21

Instrument :
MSVOA_Y
ClientSampleId :
2.5PPBMDL

Tot Ion	Ratio	Lower	Upper
119	100		
91	69.7	32.4	97.2
134	28.3	13.2	39.6

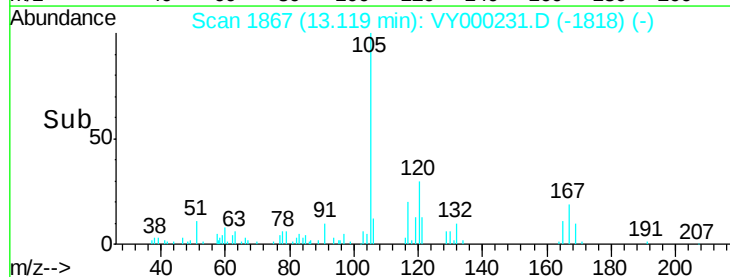
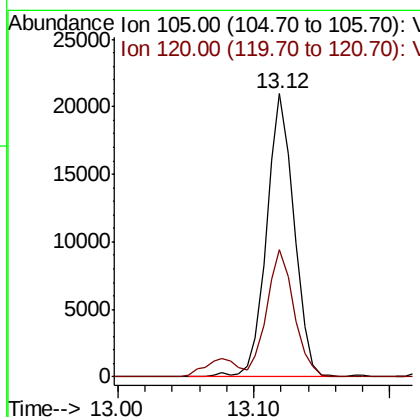
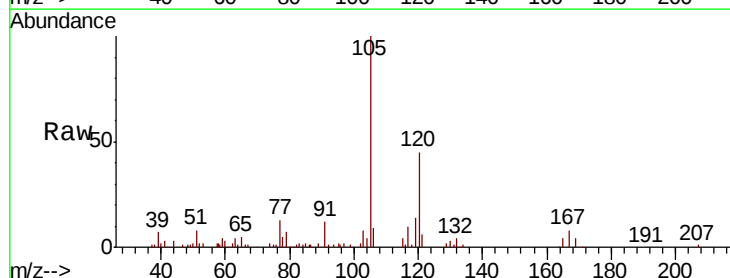
Manual Integrations
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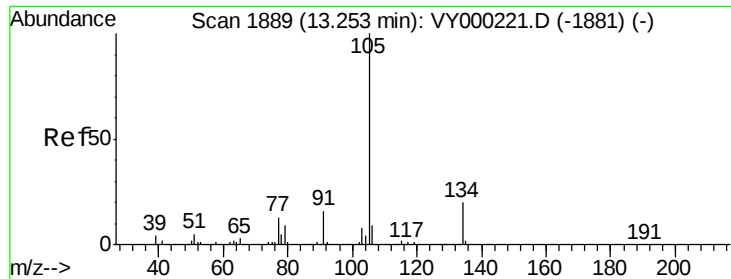
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10/10/2019 12:52:32 AM



#84
1,2,4-Trimethylbenzene
Concen: 2.518 ug/l
RT: 13.12 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VY000231.D
Acq: 08 Oct 2019 20:21

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.8	22.8	68.3





#85

sec-Butylbenzene

Concen: 2.427 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. 0.00 min

Lab File: VY000231.D

Acq: 08 Oct 2019 20:21

Instrument :

MSVOA_Y

ClientSampleId :

2.5PPBMDL

Tot Ion:105 Resp: 34309

Ion Ratio Lower Upper

105 100

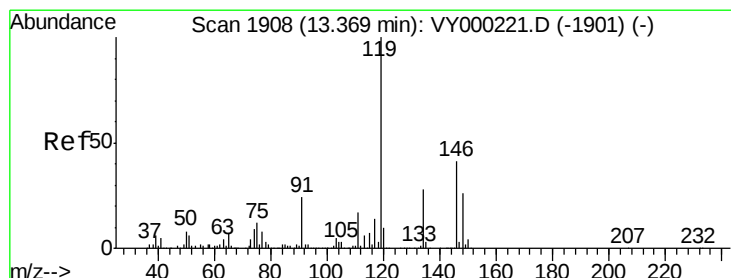
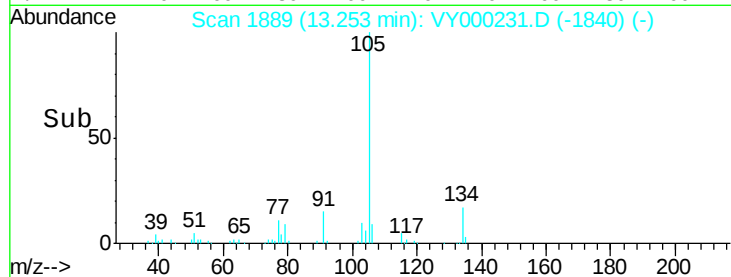
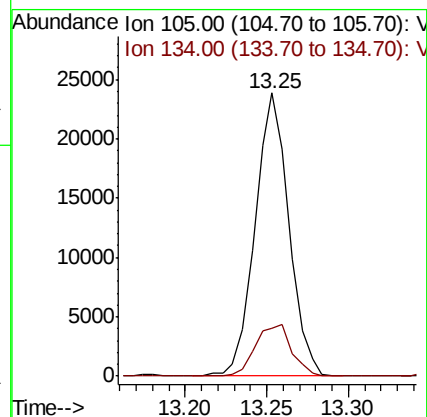
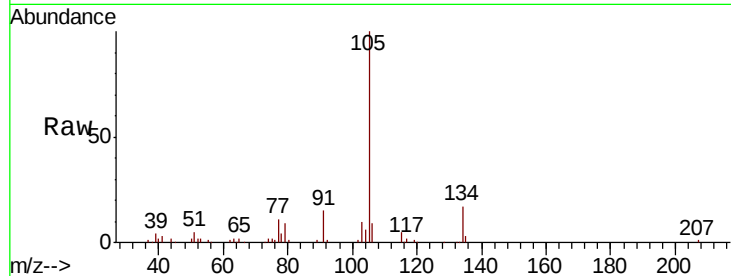
134 19.4 10.2 30.6

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 2.451 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. 0.00 min

Lab File: VY000231.D

Acq: 08 Oct 2019 20:21

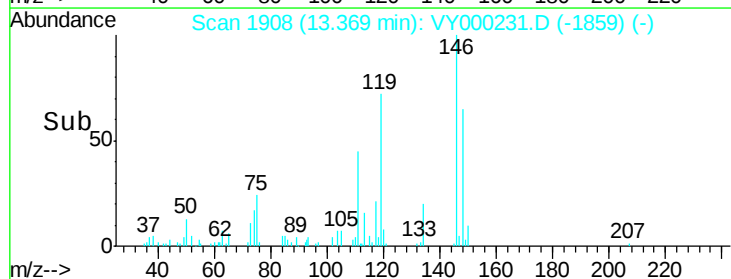
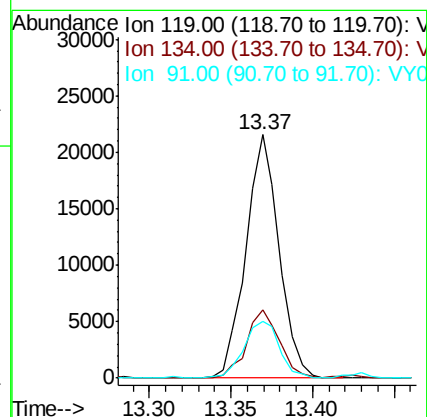
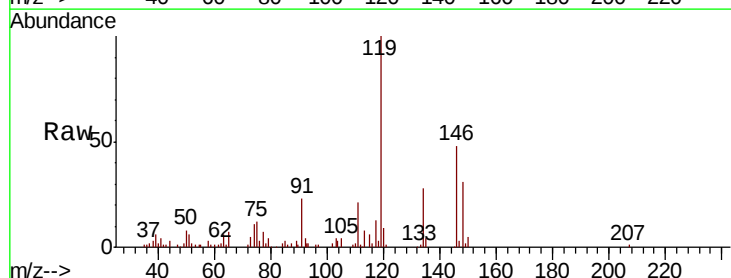
Tgt Ion:119 Resp: 30477

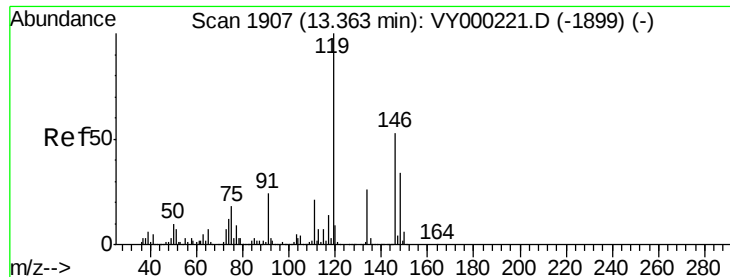
Ion Ratio Lower Upper

119 100

134 27.9 13.3 39.9

91 25.1 11.7 35.1





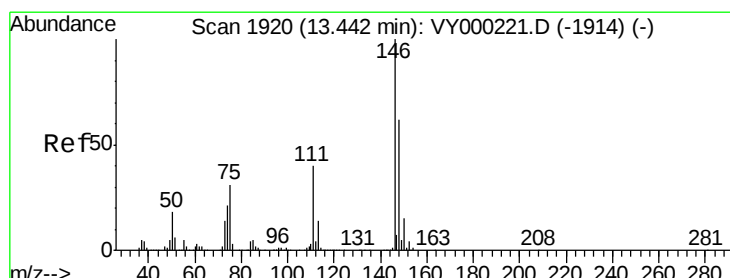
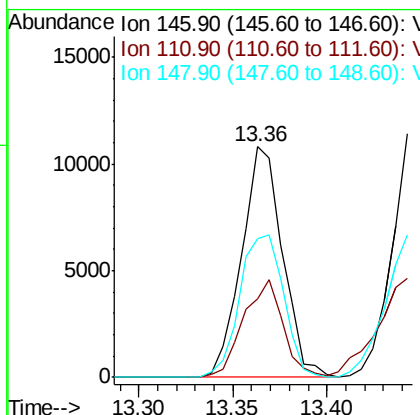
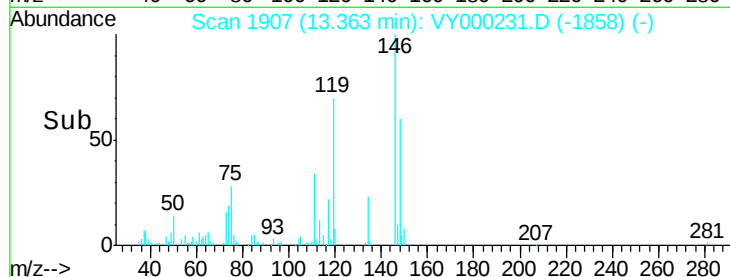
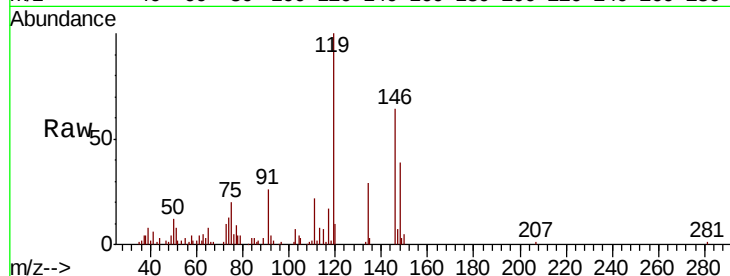
#87
 1,3-Dichlorobenzene
 Concen: 2.708 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. 0.00 min
 Lab File: VY000231.D
 Acq: 08 Oct 2019 20:21

Instrument :
 MSVOA_Y
 ClientSampleId :
 2.5PPBMDL

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.3	60.8
148	66.4	31.7	95.1

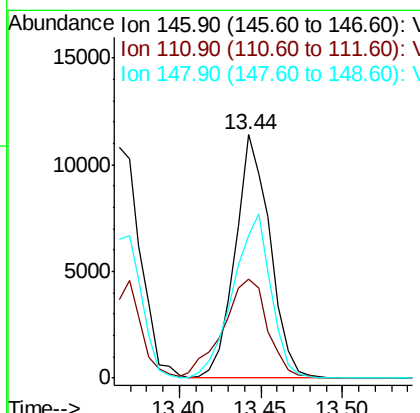
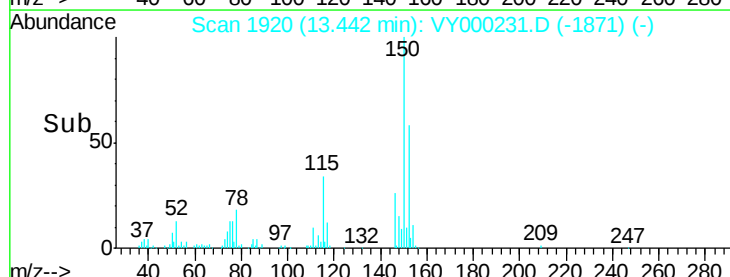
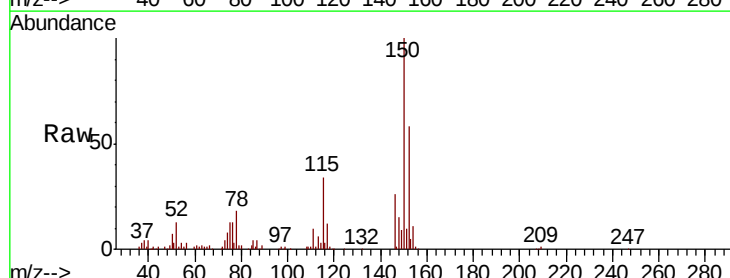
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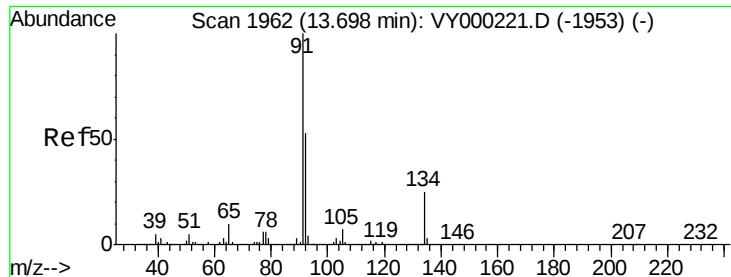
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#88
 1,4-Dichlorobenzene
 Concen: 2.700 ug/l
 RT: 13.44 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VY000231.D
 Acq: 08 Oct 2019 20:21

Tgt Ion	Ratio	Lower	Upper
146	100		
111	52.4	19.8	59.3
148	73.5	31.6	94.8





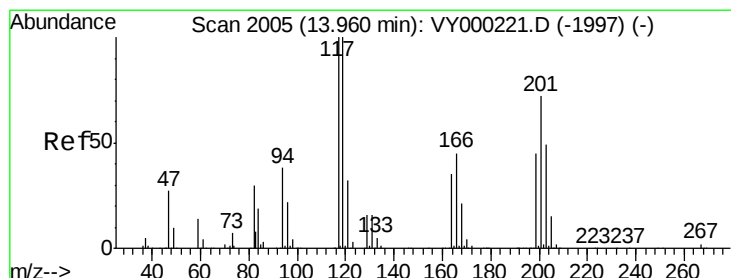
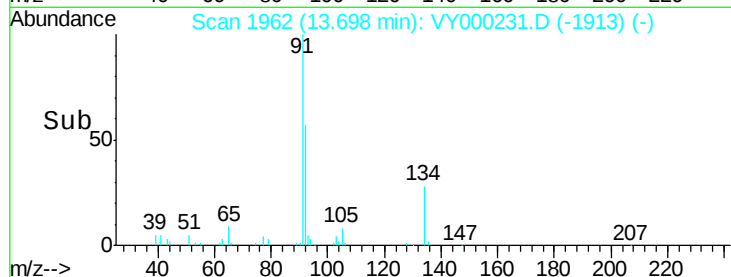
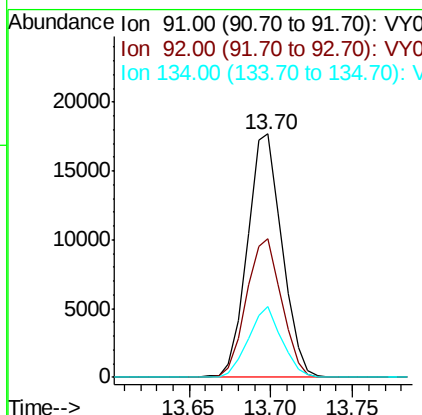
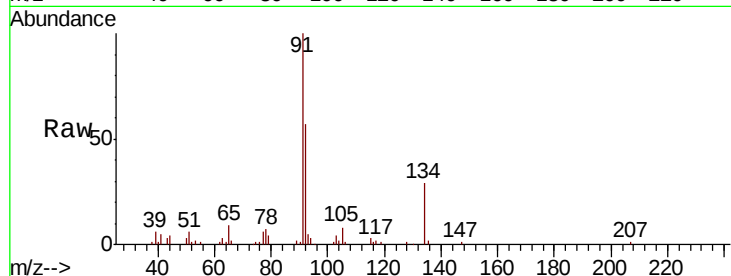
#89
n-Butylbenzene
Concen: 2.236 ug/l
RT: 13.70 min Scan# 1962
Delta R.T. 0.00 min
Lab File: VY000231.D
Acq: 08 Oct 2019 20:21

Instrument :
MSVOA_Y
ClientSampleId :
2.5PPBMDL

Tot Ion	Ratio	Lower	Upper
91	100		
92	58.0	27.0	80.8
134	27.7	12.8	38.4

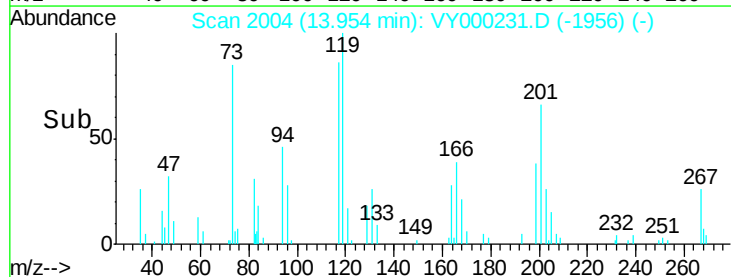
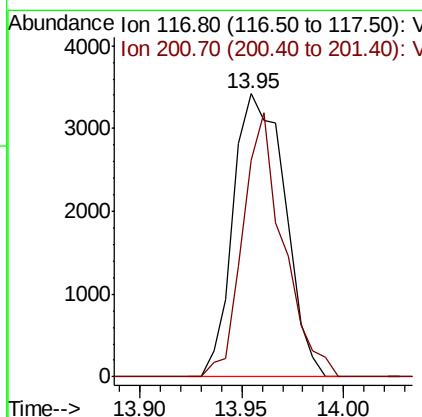
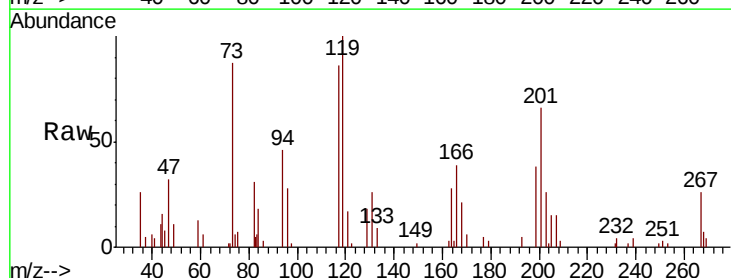
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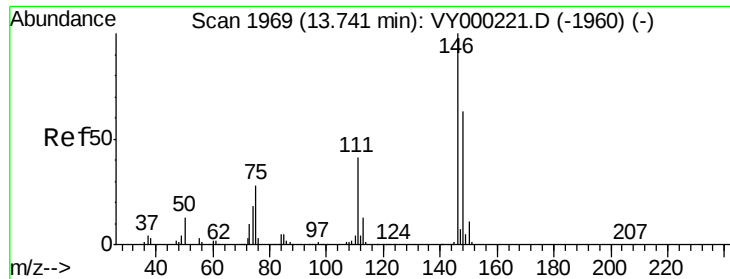
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#90
Hexachloroethane
Concen: 2.548 ug/l
RT: 13.95 min Scan# 2004
Delta R.T. -0.01 min
Lab File: VY000231.D
Acq: 08 Oct 2019 20:21

Tgt Ion	Ratio	Lower	Upper
117	100		
201	73.6	35.5	106.5





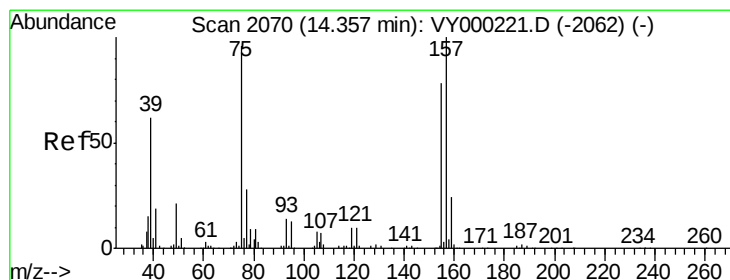
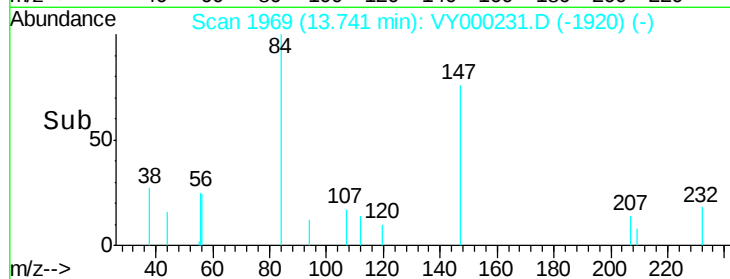
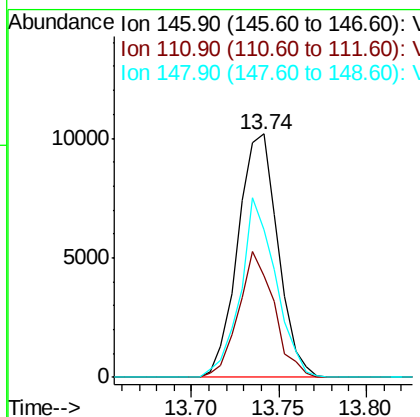
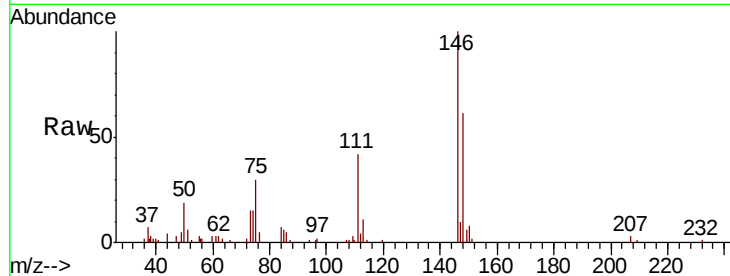
#91
 1,2-Dichlorobenzene
 Concen: 2.662 ug/l
 RT: 13.74 min Scan# 1969
 Delta R.T. 0.00 min
 Lab File: VY000231.D
 Acq: 08 Oct 2019 20:21

Instrument :
 MSVOA_Y
 ClientSampleId :
 2.5PPBMDL

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.0	20.9	62.8
148	65.1	31.6	95.0

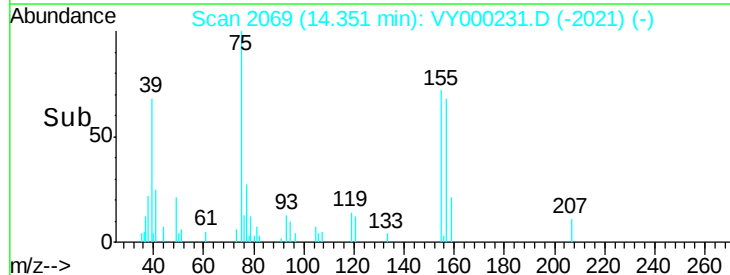
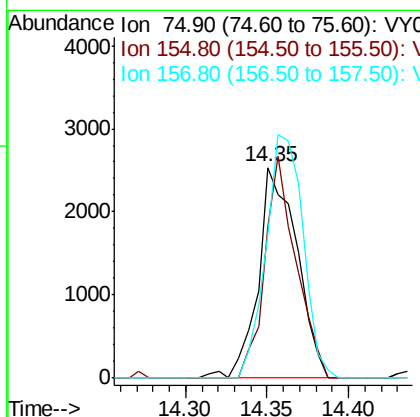
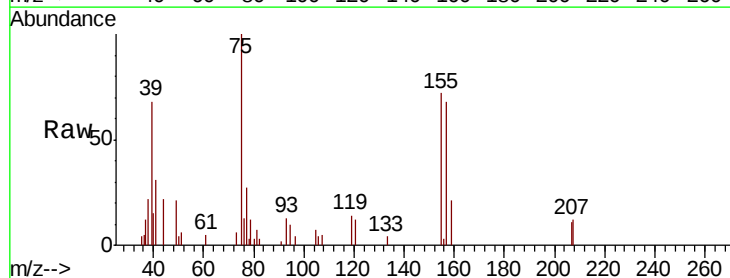
Manual Integrations
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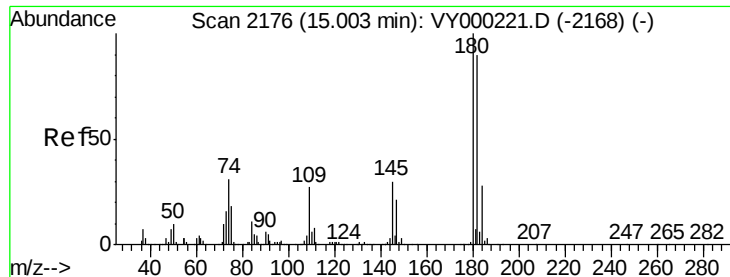
MMDadoda
 10/10/2019 12:52:32 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 2.756 ug/l
 RT: 14.35 min Scan# 2069
 Delta R.T. -0.01 min
 Lab File: VY000231.D
 Acq: 08 Oct 2019 20:21

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.6	42.4	127.3
157	110.5	53.8	161.5





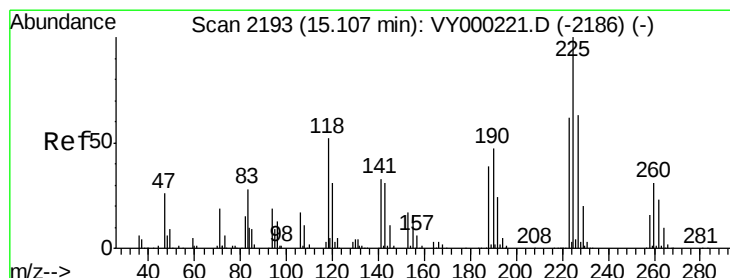
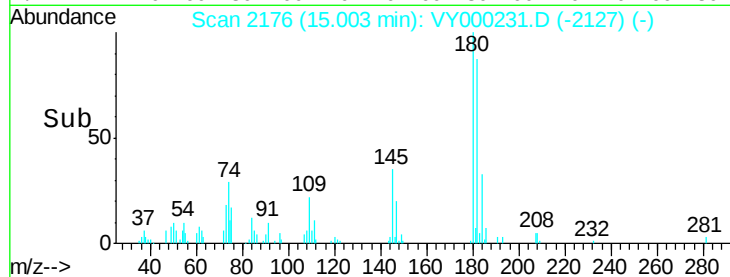
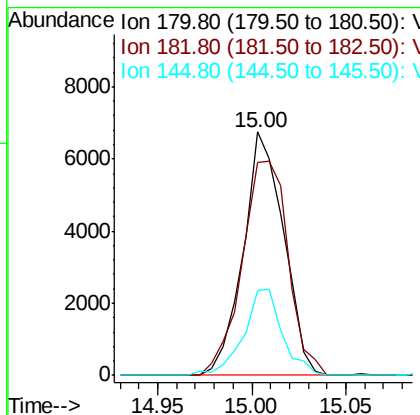
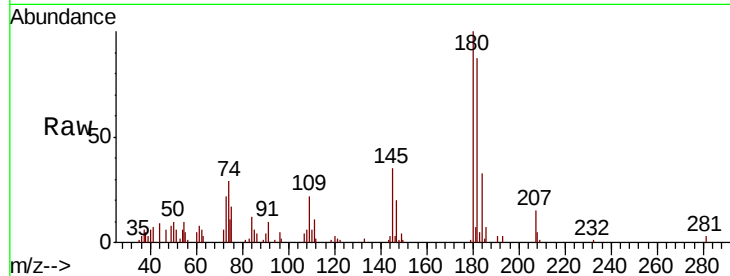
#93
 1,2,4-Trichlorobenzene
 Concen: 2.433 ug/l
 RT: 15.00 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VY000231.D
 Acq: 08 Oct 2019 20:21

Instrument :
 MSVOA_Y
 ClientSampleId :
 2.5PPBMDL

Tot Ion	Ratio	Resp	Lower	Upper
180	100	10049		
182	100.1	47.2	141.6	
145	34.0	15.3	45.8	

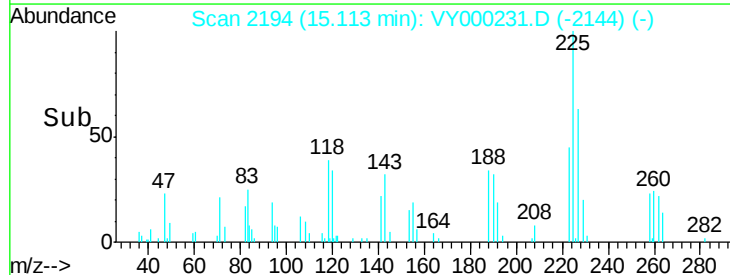
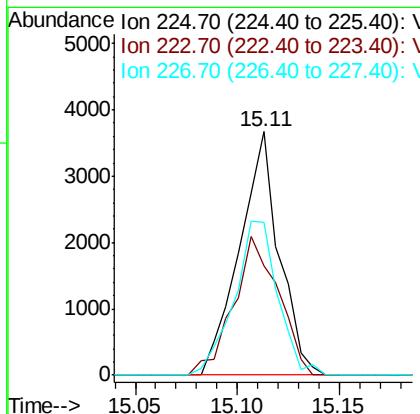
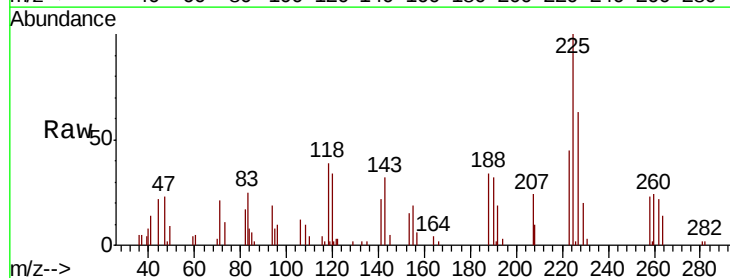
Manual Integrations
 APPROVED

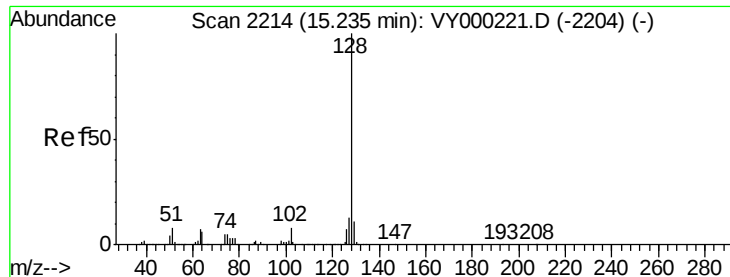
MMDadoda
 10/10/2019 12:52:32 AM



#94
 Hexachlorobutadiene
 Concen: 2.518 ug/l
 RT: 15.11 min Scan# 2194
 Delta R.T. 0.01 min
 Lab File: VY000231.D
 Acq: 08 Oct 2019 20:21

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	4971		
223	64.3	31.9	95.5	
227	69.3	31.5	94.5	





#95

Naphthalene

Concen: 2.643 ug/l

RT: 15.23 min Scan# 2214

Delta R.T. 0.00 min

Lab File: VY000231.D

Acq: 08 Oct 2019 20:21

Instrument :

MSVOA_Y

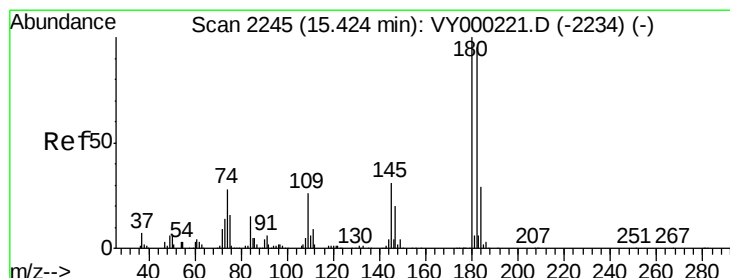
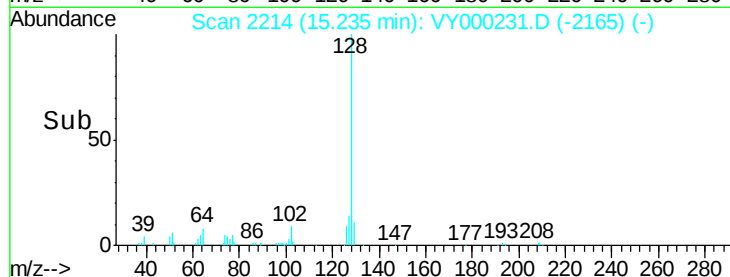
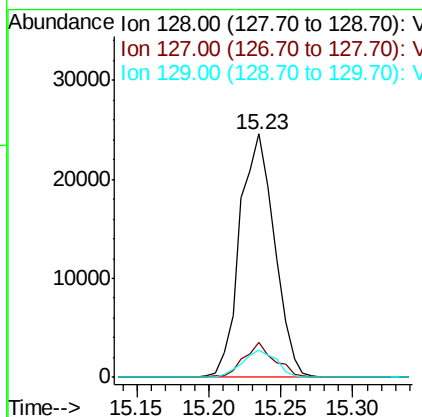
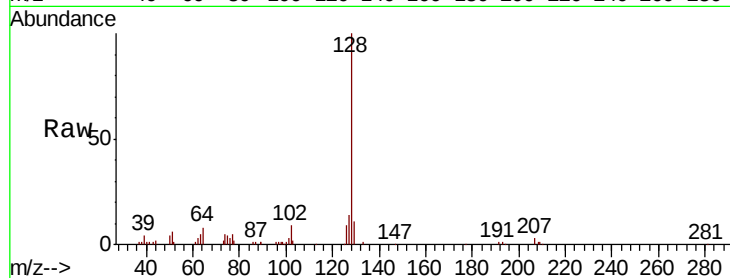
ClientSampleId :

2.5PPBMDL

Tot Ion:	128	Resp:	41079
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.2	15.2
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
10/10/2019 12:52:32 AM



#96

1,2,3-Trichlorobenzene

Concen: 2.639 ug/l

RT: 15.42 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VY000231.D

Acq: 08 Oct 2019 20:21

Tgt Ion:	180	Resp:	10487
Ion Ratio	Lower	Upper	
180	100		
182	94.2	47.9	143.7
145	34.8	16.3	48.9

