

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY110819\
 Data File : VY000608.D
 Acq On : 08 Nov 2019 11:52
 Operator : SY/MD
 Sample : VY1108SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1108SBS01

Manual Integrations
 APPROVED

MMDadoda
 11/13/2019 11:05:53 AM

Quant Time: Nov 11 05:44:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 13:30:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	267767	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	449533	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	400687	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	195293	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	148743	53.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.36%	
35) Dibromofluoromethane	7.73	113	130439	49.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.86%	
50) Toluene-d8	10.19	98	534061	53.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.66%	
62) 4-Bromofluorobenzene	12.48	95	185728	48.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	49174	18.656	ug/l	99
3) Chloromethane	2.11	50	70739	19.481	ug/l	97
4) Vinyl Chloride	2.26	62	67143	19.912	ug/l	100
5) Bromomethane	2.65	94	44621	22.068	ug/l	98
6) Chloroethane	2.79	64	44060	20.878	ug/l	99
7) Trichlorofluoromethane	3.13	101	94673	20.790	ug/l	90
8) Diethyl Ether	3.54	74	33866	20.930	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.91	101	54917	19.948	ug/l	97
10) Methyl Iodide	4.10	142	68723	20.951	ug/l	100
11) Tert butyl alcohol	4.99	59	26883	99.661	ug/l #	84
12) 1,1-Dichloroethene	3.88	96	54386	20.334	ug/l	86
13) Acrolein	3.74	56	18656	79.400	ug/l	90
14) Allyl chloride	4.49	41	95055	21.856	ug/l	99
15) Acrylonitrile	5.18	53	92631	111.756	ug/l	97
16) Acetone	3.97	43	67776	88.743	ug/l	99
17) Carbon Disulfide	4.20	76	167590	19.866	ug/l	97
18) Methyl Acetate	4.49	43	55866	23.526	ug/l	97
19) Methyl tert-butyl Ether	5.22	73	159779	21.485	ug/l	99
20) Methylene Chloride	4.72	84	69269	21.167	ug/l	95
21) trans-1,2-Dichloroethene	5.22	96	62614	20.707	ug/l	96
22) Diisopropyl ether	6.14	45	204280	21.610	ug/l	94
23) Vinyl Acetate	6.08	43	644653	108.030	ug/l	99
24) 1,1-Dichloroethane	6.03	63	109665	21.414	ug/l	99
25) 2-Butanone	7.01	43	124271	101.956	ug/l	97
26) 2,2-Dichloropropane	7.00	77	98566	21.061	ug/l	98
27) cis-1,2-Dichloroethene	7.00	96	73180	22.132	ug/l	98
28) Bromochloromethane	7.35	49	28176	15.169	ug/l	95
29) Tetrahydrofuran	7.36	42	79242	106.272	ug/l	99
30) Chloroform	7.52	83	110480	21.325	ug/l	92
31) Cyclohexane	7.79	56	107854	20.108	ug/l	95
32) 1,1,1-Trichloroethane	7.71	97	99536	21.558	ug/l	98
36) 1,1-Dichloropropene	7.93	75	90057	21.192	ug/l	97
37) Ethyl Acetate	7.10	43	52531	20.821	ug/l	97
38) Carbon Tetrachloride	7.91	117	86305	21.106	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	109327	19.913	ug/l	96
40) Benzene	8.18	78	256936	20.622	ug/l	100
41) Methacrylonitrile	7.33	41	28785m	20.451	ug/l	
42) 1,2-Dichloroethane	8.25	62	74354	21.041	ug/l	99
43) Isopropyl Acetate	8.28	43	100357	21.174	ug/l	99
44) Trichloroethene	8.95	130	66578	20.267	ug/l	98
45) 1,2-Dichloropropane	9.22	63	65770	21.449	ug/l	94
46) Dibromomethane	9.32	93	35214	20.881	ug/l	99
47) Bromodichloromethane	9.50	83	80473	20.111	ug/l	97
48) Methyl methacrylate	9.30	41	44836	21.651	ug/l	97
49) 1,4-Dioxane	9.32	88	8741	385.126	ug/l #	86
51) 4-Methyl-2-Pentanone	10.08	43	270852	107.485	ug/l	98
52) Toluene	10.25	92	161395	20.489	ug/l	98
53) t-1,3-Dichloropropene	10.47	75	88847	20.780	ug/l	93
54) cis-1,3-Dichloropropene	9.93	75	102482	20.923	ug/l	97
55) 1,1,2-Trichloroethane	10.65	97	52348	21.461	ug/l	97
56) Ethyl methacrylate	10.51	69	71920	20.803	ug/l	97
57) 1,3-Dichloropropane	10.79	76	89889	21.056	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.79	63	167966	107.468	ug/l	98
59) 2-Hexanone	10.83	43	193012	105.127	ug/l	100
60) Dibromochloromethane	10.99	129	56171	20.105	ug/l	98
61) 1,2-Dibromoethane	11.09	107	48873	20.839	ug/l	99
64) Tetrachloroethene	10.72	164	67534	20.383	ug/l	98
65) Chlorobenzene	11.52	112	168440	20.734	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.59	131	61013	21.655	ug/l	96
67) Ethyl Benzene	11.60	91	313750	20.985	ug/l	98
68) m/p-Xylenes	11.70	106	235040	40.617	ug/l	96
69) o-Xylene	12.03	106	113068	20.790	ug/l	99
70) Styrene	12.05	104	190831	20.491	ug/l	99
71) Bromoform	12.21	173	33047	20.393	ug/l #	98
73) Isopropylbenzene	12.33	105	299067	20.720	ug/l	100
74) N-amyl acetate	12.14	43	86526	20.931	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	60067	21.018	ug/l	97
76) 1,2,3-Trichloropropane	12.63	75	37723m	16.964	ug/l	
77) Bromobenzene	12.61	156	67484	20.618	ug/l	97
78) n-propylbenzene	12.67	91	367954	21.128	ug/l	99
79) 2-Chlorotoluene	12.75	91	202623	20.958	ug/l	98
80) 1,3,5-Trimethylbenzene	12.81	105	254295	21.154	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.38	75	19836	20.001	ug/l	98
82) 4-Chlorotoluene	12.86	91	212491	21.203	ug/l	98
83) tert-Butylbenzene	13.07	119	210682	20.526	ug/l	96
84) 1,2,4-Trimethylbenzene	13.12	105	250383	20.919	ug/l	100
85) sec-Butylbenzene	13.25	105	301939	20.648	ug/l	100
86) p-Isopropyltoluene	13.37	119	271363	20.821	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	131207	20.466	ug/l	100
88) 1,4-Dichlorobenzene	13.44	146	131805	20.574	ug/l	99
89) n-Butylbenzene	13.69	91	265526	20.656	ug/l	99
90) Hexachloroethane	13.96	117	50209	20.839	ug/l	96
91) 1,2-Dichlorobenzene	13.74	146	117155	20.141	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.35	75	10208	20.182	ug/l	96

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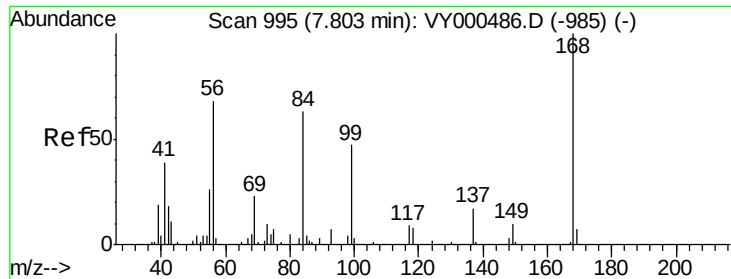
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	76078	19.209	ug/l	98
94) Hexachlorobutadiene	15.11	225	38868	19.038	ug/l	92
95) Naphthalene	15.23	128	181127	20.601	ug/l	98
96) 1,2,3-Trichlorobenzene	15.42	180	70026	19.707	ug/l	96

(#) = 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: VY000608.D

Acq: 08 Nov 2019 11:52

Instrument :

MSVOA_Y

ClientSampleId :

VY1108SBS01

Tot Ion:168 Resp: 267767

Ion Ratio Lower Upper

168 100

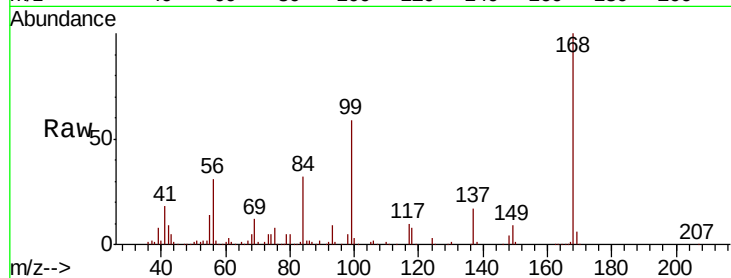
99 59.4 45.7 68.5

Manual Integrations

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11/13/2019 11:05:53 AM



Abundance Ion 167.90 (167.60 to 168.60): VY000486.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY000486.D (-985) (-)

7.80

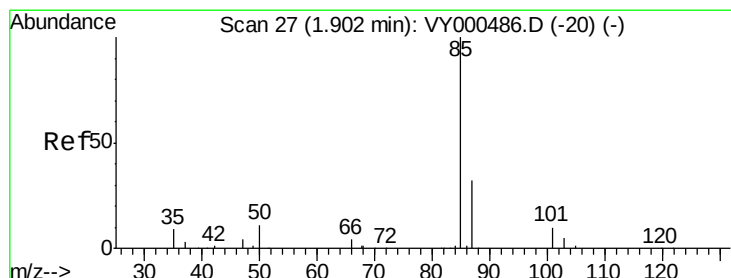
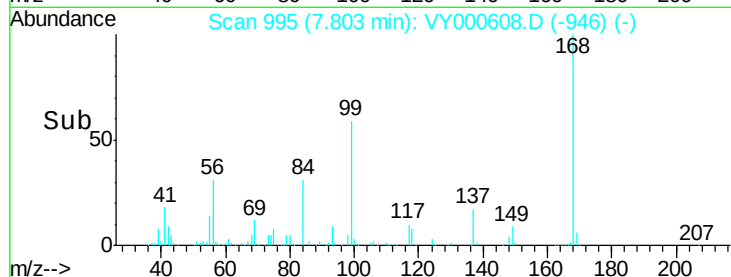
100000

50000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 18.656 ug/l

RT: 1.90 min Scan# 27

Delta R.T. 0.00 min

Lab File: VY000608.D

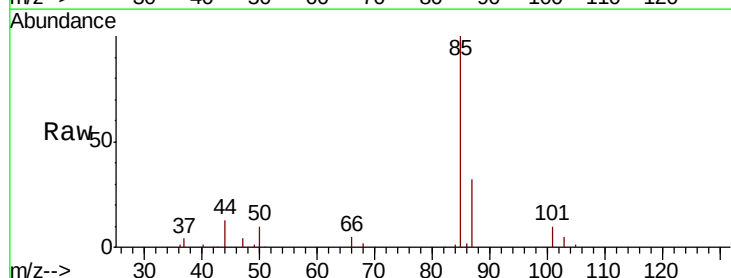
Acq: 08 Nov 2019 11:52

Tgt Ion: 85 Resp: 49174

Ion Ratio Lower Upper

85 100

87 32.1 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VY000486.D (-20) (-)

Ion 86.90 (86.60 to 87.60): VY000486.D (-20) (-)

1.90

30000

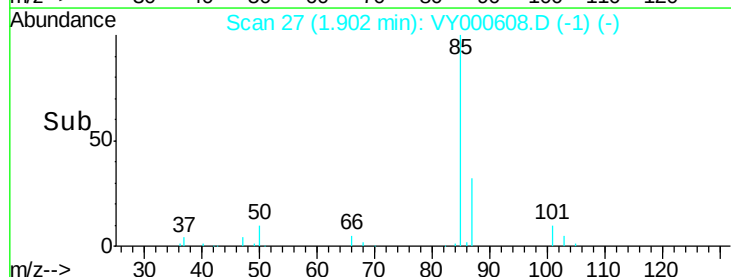
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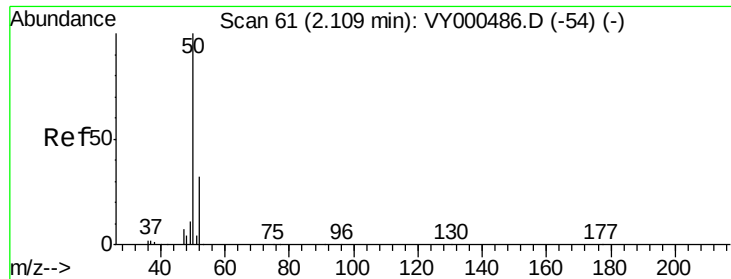
10000

0

1.80 1.85 1.90 1.95 2.00

Time-->





#3

Chloromethane

Concen: 19.481 ug/l

RT: 2.11 min Scan# 61

Delta R.T. 0.00 min

Lab File: VY000608.D

Acq: 08 Nov 2019 11:52

Instrument :

MSVOA_Y

ClientSampleId :

VY1108SBS01

Tot Ion: 50 Resp: 70739

Ion Ratio Lower Upper

50 100

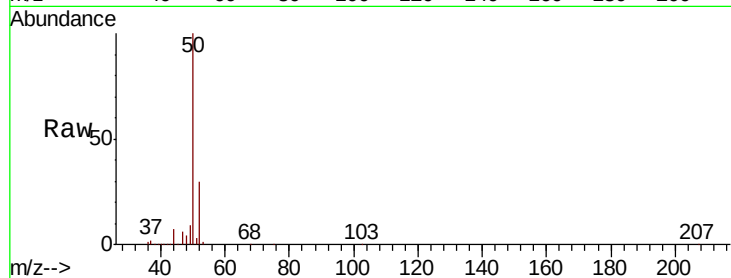
52 29.8 25.2 37.8

Manual Integrations

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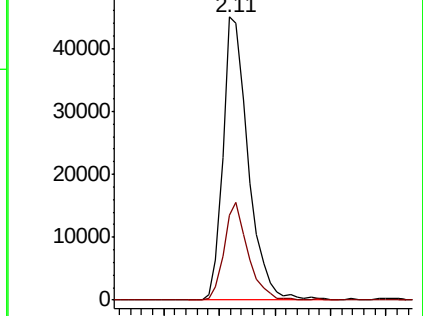
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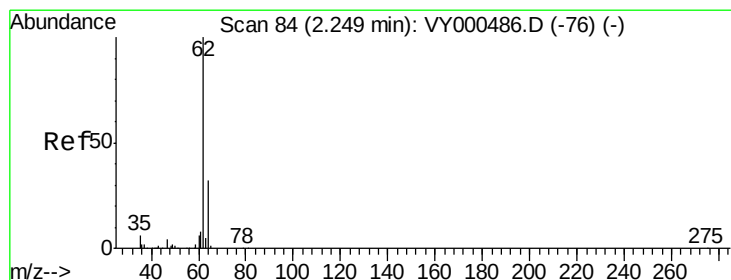
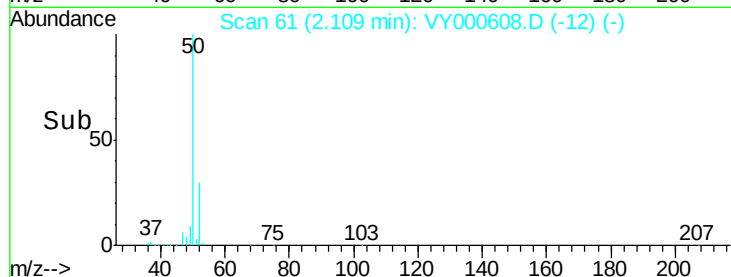


Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



Time-->



#4

Vinyl Chloride

Concen: 19.912 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.01 min

Lab File: VY000608.D

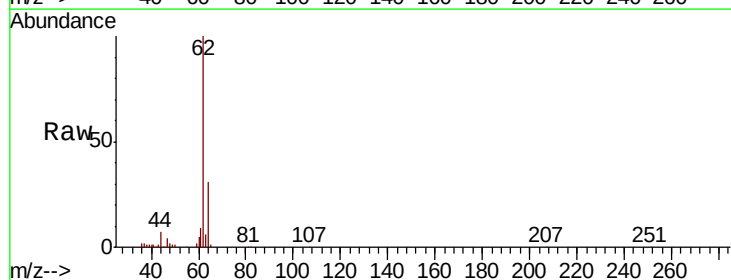
Acq: 08 Nov 2019 11:52

Tgt Ion: 62 Resp: 67143

Ion Ratio Lower Upper

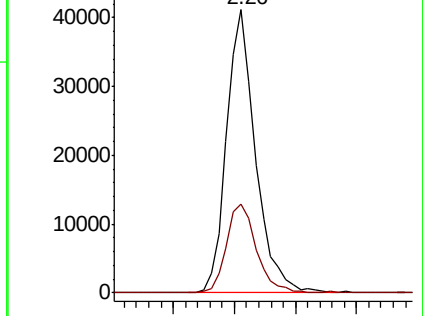
62 100

64 31.2 25.2 37.8

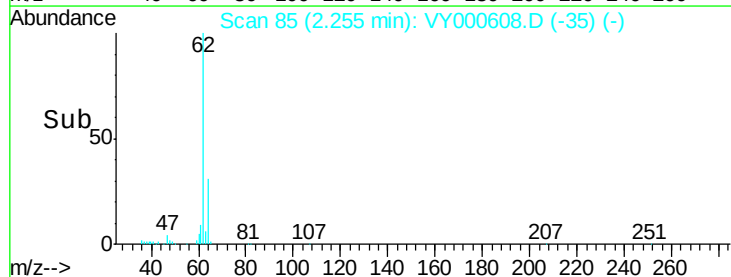


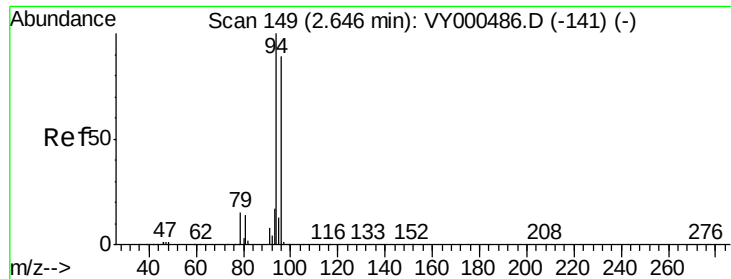
Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0



Time-->





#5

Bromomethane

Concen: 22.068 ug/l

RT: 2.65 min Scan# 149

Delta R.T. 0.00 min

Lab File: VY000608.D

Acq: 08 Nov 2019 11:52

Instrument :

MSVOA_Y

ClientSampleId :

VY1108SBS01

Tot Ion: 94 Resp: 44621

Ion Ratio Lower Upper

94 100

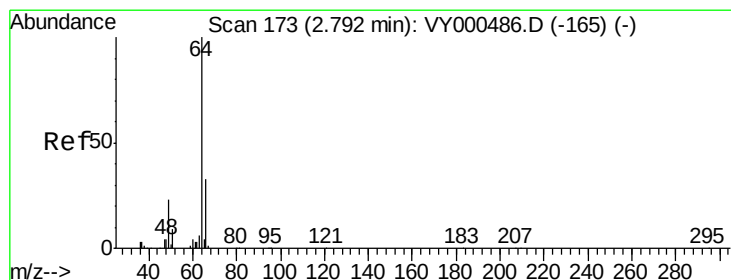
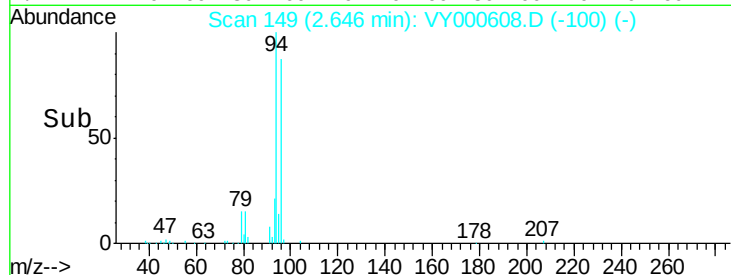
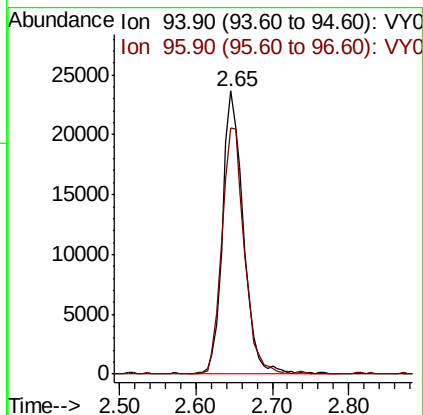
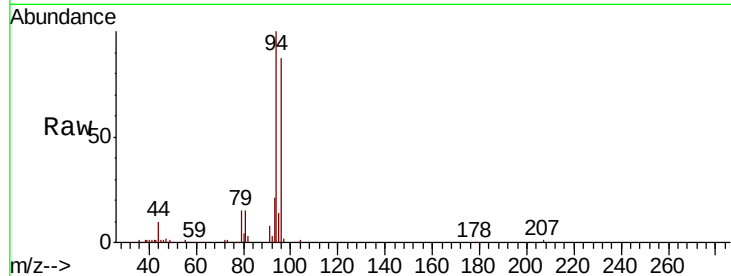
96 87.0 71.2 106.8

Manual Integrations

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11/13/2019 11:05:53 AM



#6

Chloroethane

Concen: 20.878 ug/l

RT: 2.79 min Scan# 173

Delta R.T. 0.00 min

Lab File: VY000608.D

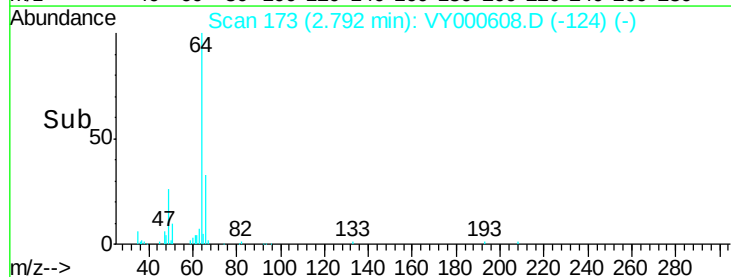
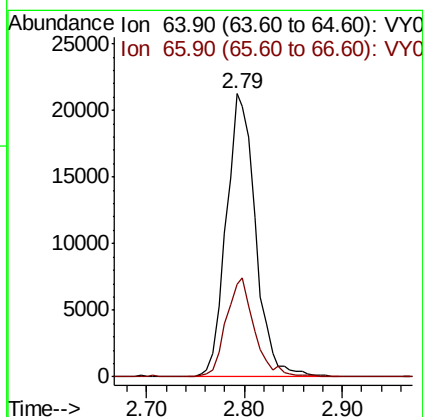
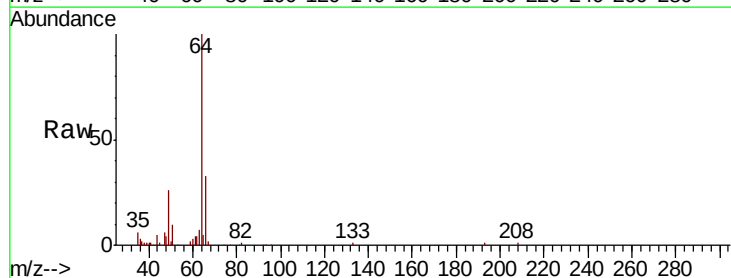
Acq: 08 Nov 2019 11:52

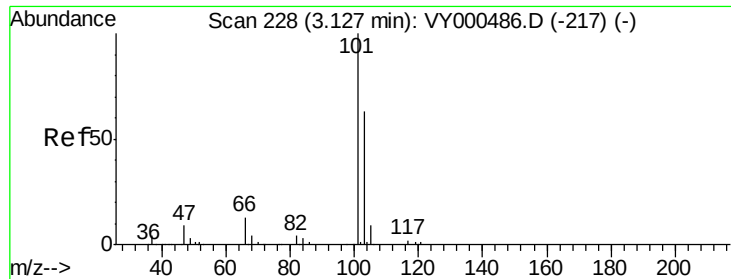
Tgt Ion: 64 Resp: 44060

Ion Ratio Lower Upper

64 100

66 32.8 26.6 40.0





#7

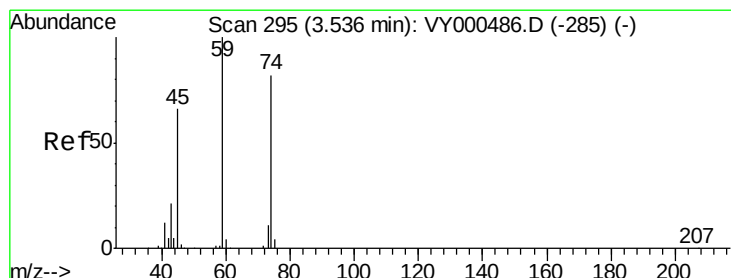
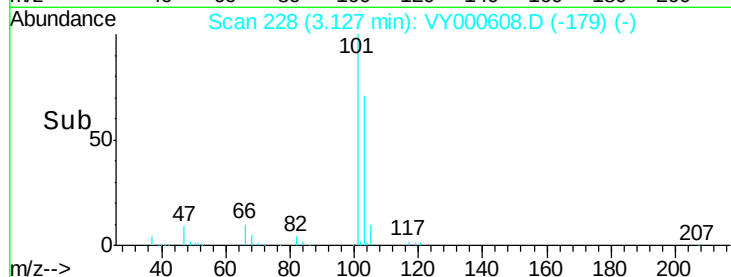
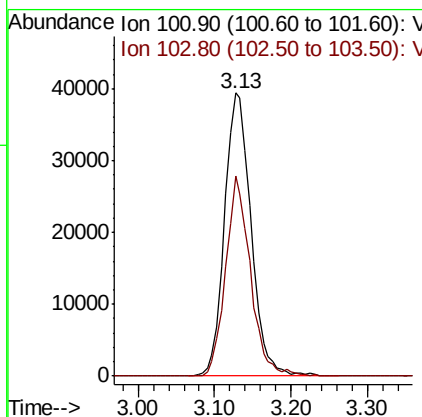
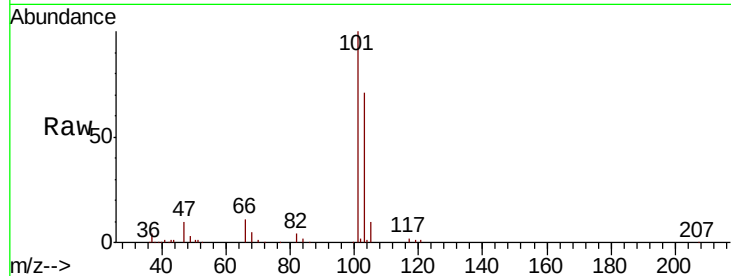
Trichlorofluoromethane
Concen: 20.790 ug/l
RT: 3.13 min Scan# 228
Delta R.T. 0.00 min
Lab File: VY000608.D
Acq: 08 Nov 2019 11:52

Instrument :
MSVOA_Y
ClientSampleId :
VY1108SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	70.7	50.5	75.7

Manual Integrations
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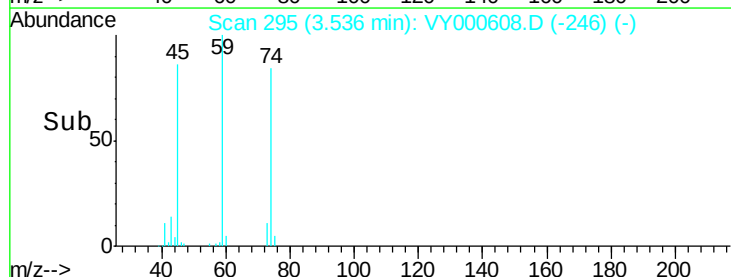
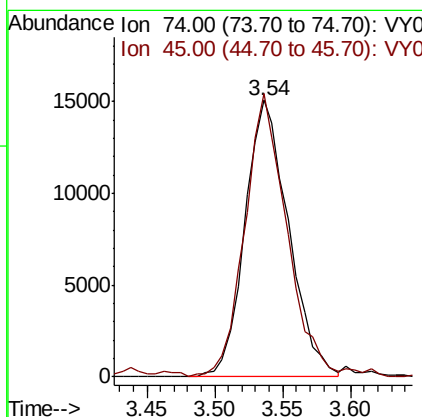
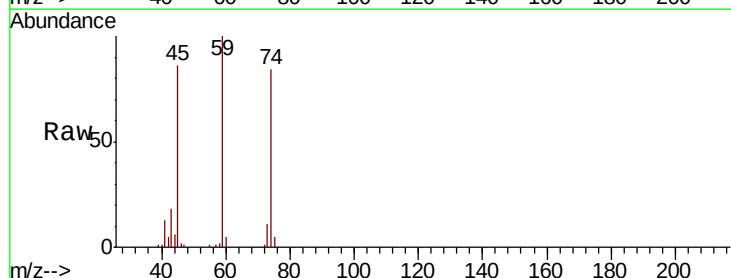
MMDadoda
11/13/2019 11:05:53 AM

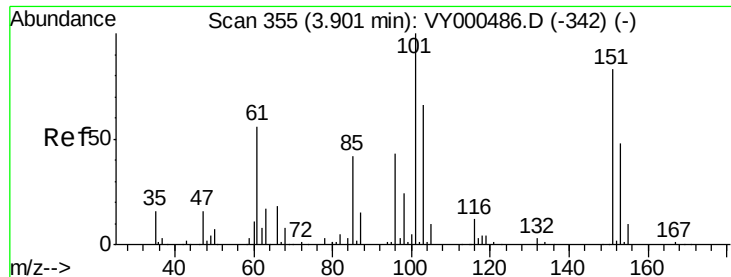


#8

Diethyl Ether
Concen: 20.930 ug/l
RT: 3.54 min Scan# 295
Delta R.T. 0.00 min
Lab File: VY000608.D
Acq: 08 Nov 2019 11:52

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.7	45.5	136.4





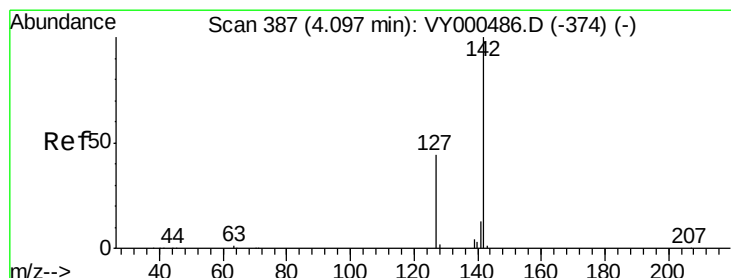
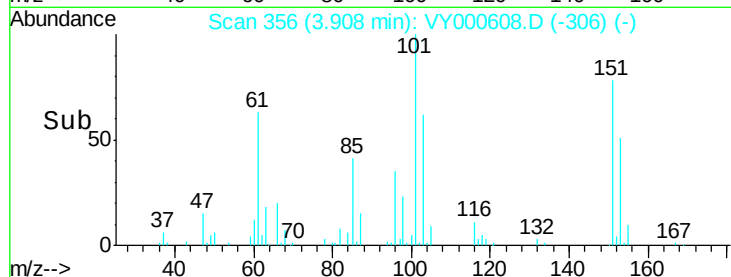
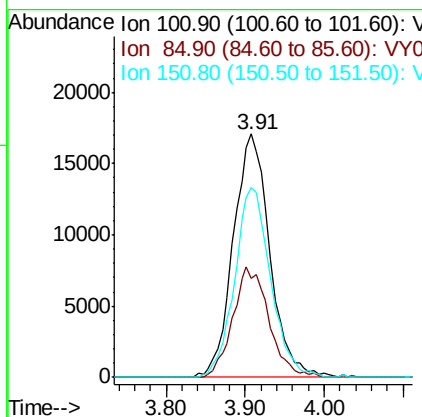
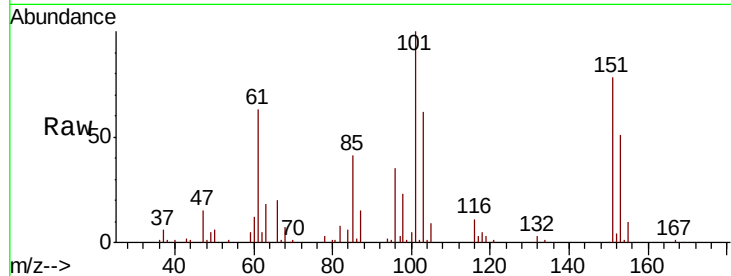
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.948 ug/l
RT: 3.91 min Scan# 356
Delta R.T. 0.01 min
Lab File: VY000608.D
Acq: 08 Nov 2019 11:52

Instrument :
MSVOA_Y
ClientSampleId :
VY1108SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
85	44.5	36.7	55.1
151	76.8	64.3	96.5

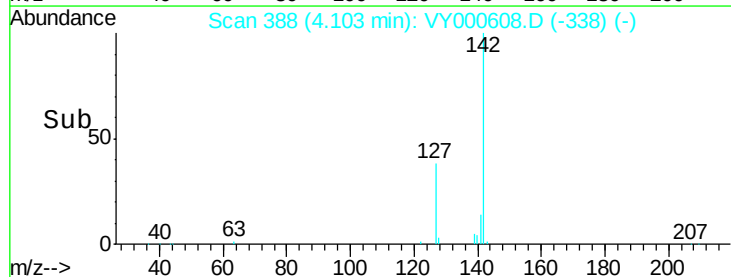
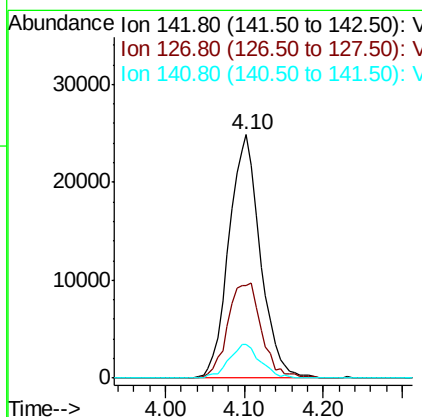
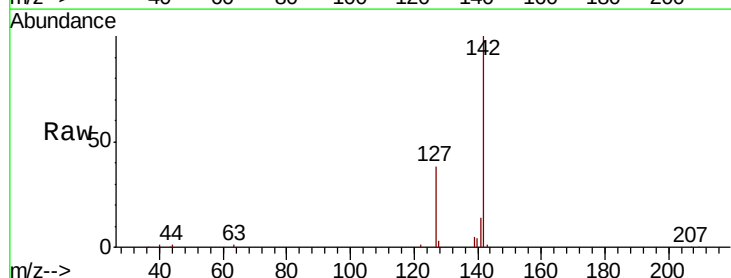
Manual Integrations
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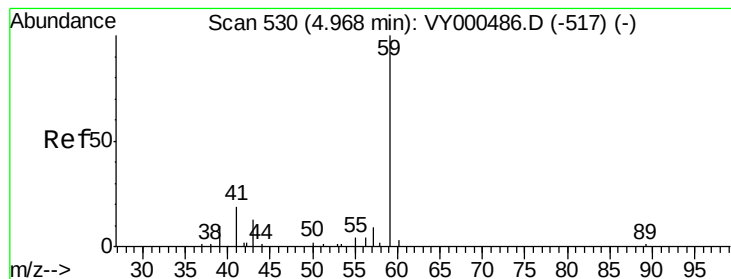
MMDadoda
11/13/2019 11:05:53 AM



#10
Methyl Iodide
Concen: 20.951 ug/l
RT: 4.10 min Scan# 388
Delta R.T. 0.01 min
Lab File: VY000608.D
Acq: 08 Nov 2019 11:52

Tgt Ion	Ratio	Lower	Upper
142	100		
127	42.1	33.7	50.5
141	13.8	10.9	16.3





#11

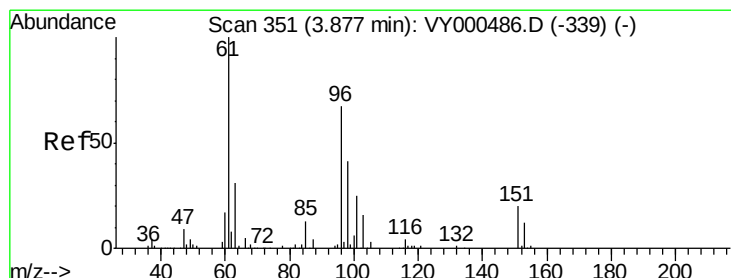
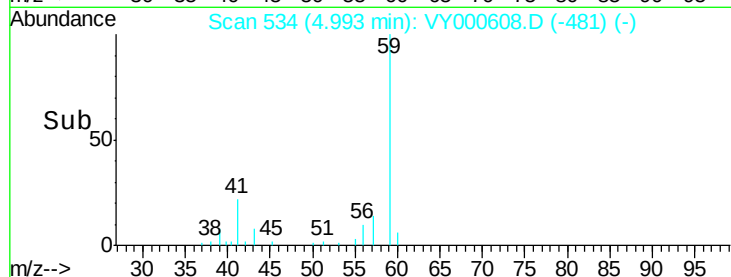
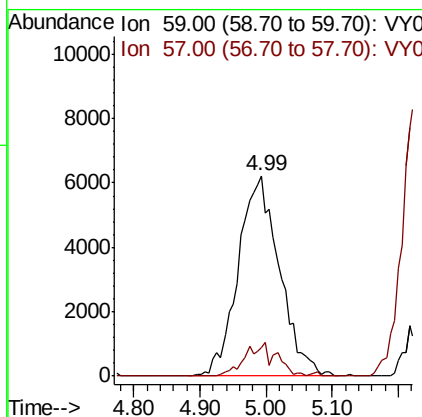
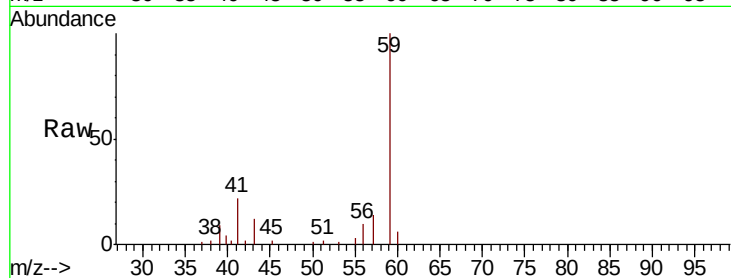
Tert butyl alcohol
Concen: 99.661 ug/l
RT: 4.99 min Scan# 534
Delta R.T. 0.02 min
Lab File: VY000608.D
Acq: 08 Nov 2019 11:52

Instrument :
MSVOA_Y
ClientSampleId :
VY1108SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	4.7	8.6	12.8#

Manual Integrations
APPROVED

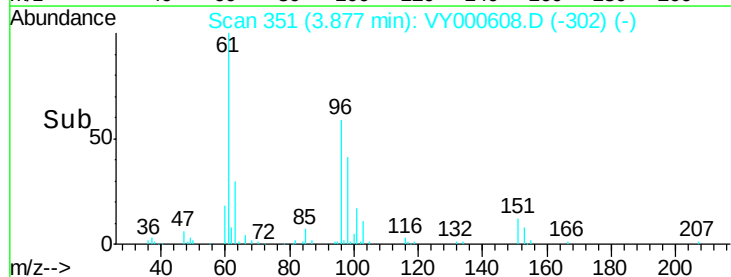
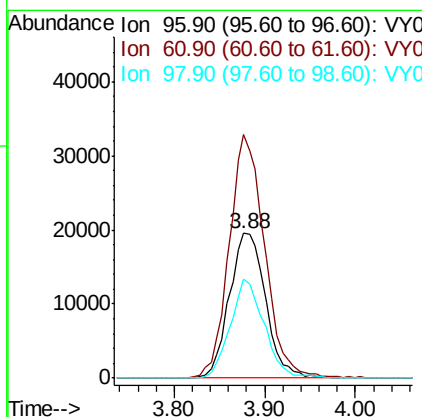
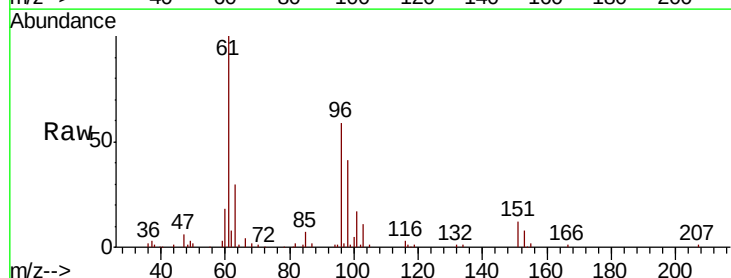
MMDadoda
11/13/2019 11:05:53 AM

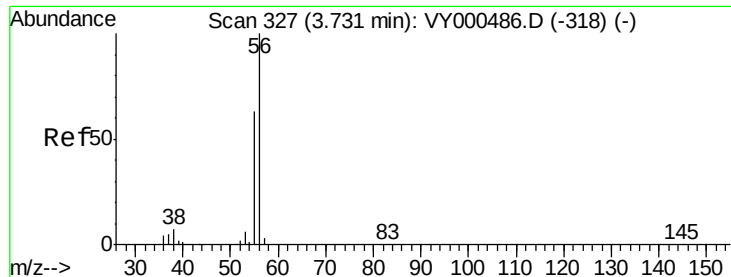


#12

1,1-Dichloroethene
Concen: 20.334 ug/l
RT: 3.88 min Scan# 351
Delta R.T. 0.00 min
Lab File: VY000608.D
Acq: 08 Nov 2019 11:52

Tgt Ion	Ratio	Lower	Upper
96	100		
61	168.6	119.2	178.8
98	68.4	48.6	73.0





#13

Acrolein

Concen: 79.400 ug/l

RT: 3.74 min Scan# 329

Delta R.T. 0.01 min

Lab File: VY000608.D

Acq: 08 Nov 2019 11:52

Instrument :

MSVOA_Y

ClientSampleId :

VY1108SBS01

Tot Ion: 56 Resp: 18656

Ion Ratio Lower Upper

56 100

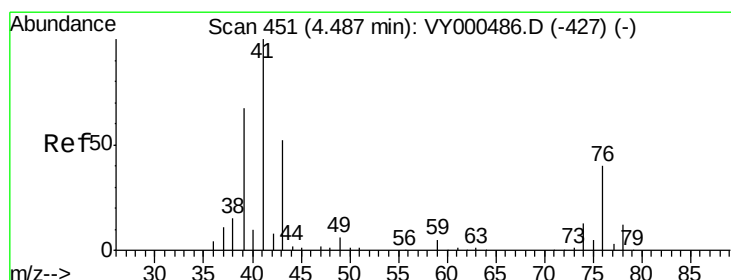
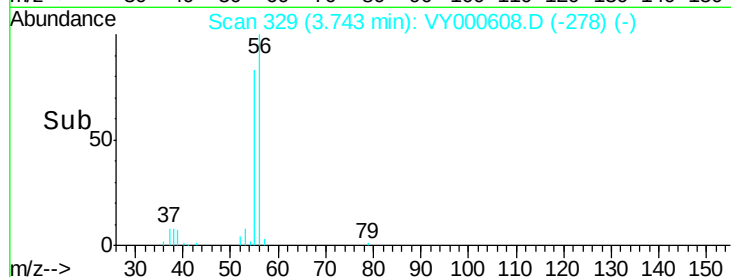
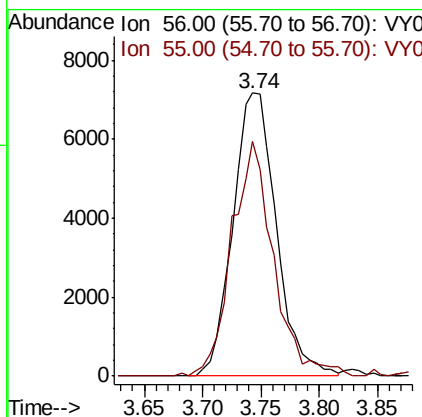
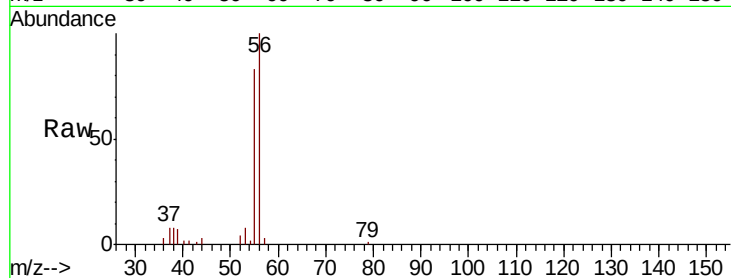
55 79.9 57.0 85.6

Manual Integrations

APPROVED

MMDadoda

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#14

Allyl chloride

Concen: 21.856 ug/l

RT: 4.49 min Scan# 452

Delta R.T. 0.01 min

Lab File: VY000608.D

Acq: 08 Nov 2019 11:52

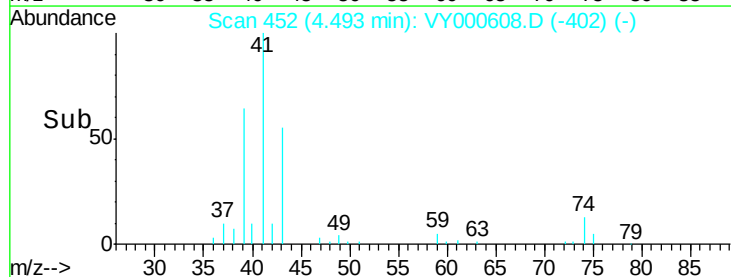
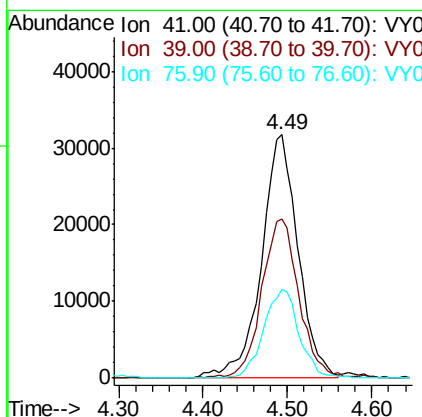
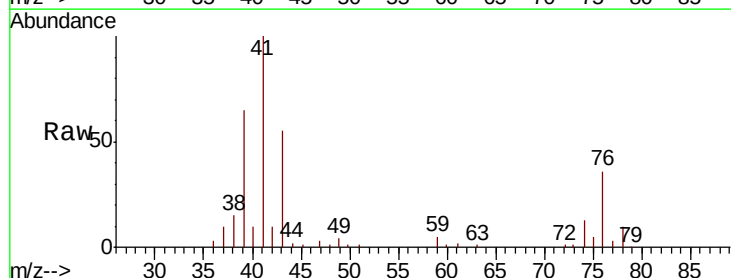
Tgt Ion: 41 Resp: 95055

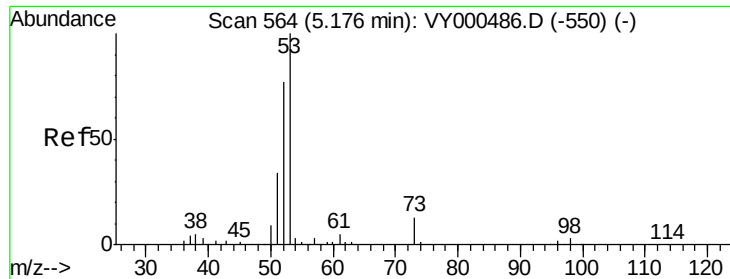
Ion Ratio Lower Upper

41 100

39 67.1 53.6 80.4

76 35.5 29.8 44.6





#15

Acrylonitrile

Concen: 111.756 ug/l

RT: 5.18 min Scan# 565

Delta R.T. 0.01 min

Lab File: VY000608.D

Acq: 08 Nov 2019 11:52

Instrument :

MSVOA_Y

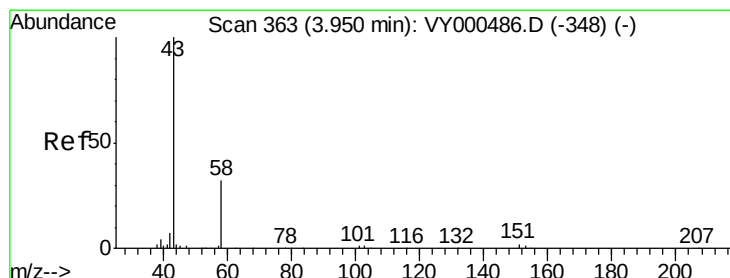
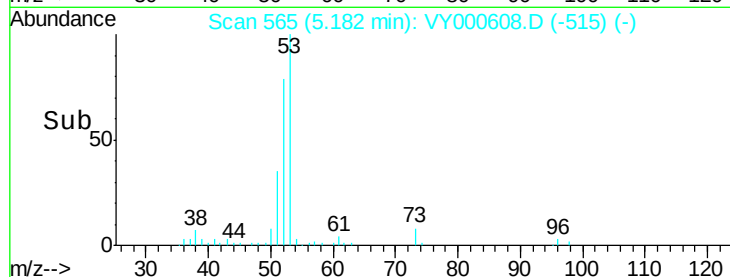
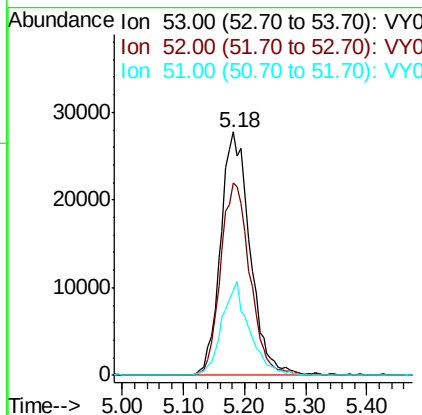
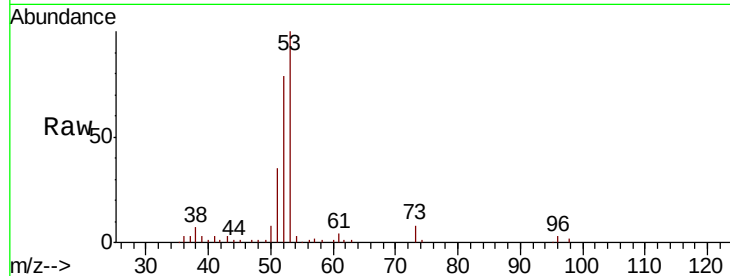
ClientSampleId :

VY1108SBS01

Tot Ion:	53	Resp:	92631
Ion	Ratio	Lower	Upper
53	100		
52	78.8	64.9	97.3
51	36.0	27.6	41.4

Manual Integrations
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MMDadoda
11/13/2019 11:05:53 AM



#16

Acetone

Concen: 88.743 ug/l

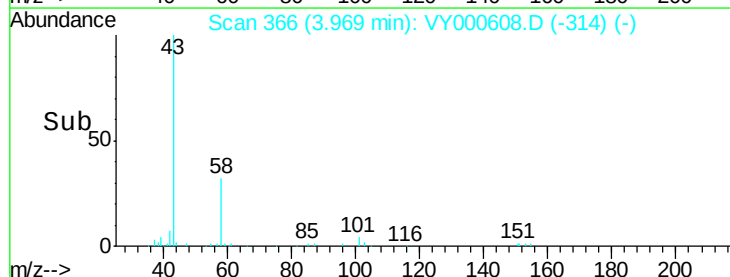
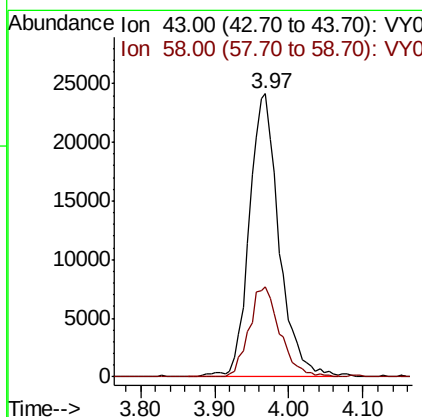
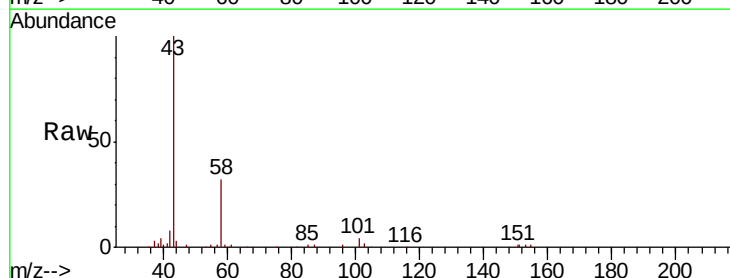
RT: 3.97 min Scan# 366

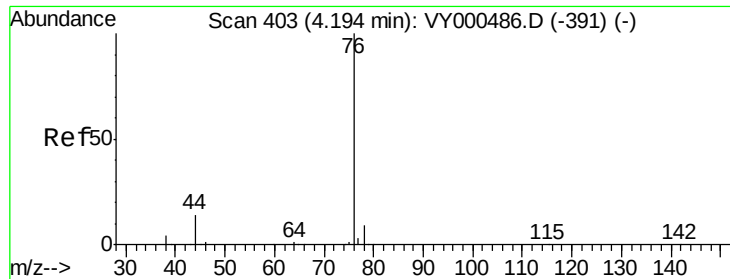
Delta R.T. 0.02 min

Lab File: VY000608.D

Acq: 08 Nov 2019 11:52

Tgt Ion:	43	Resp:	67776
Ion	Ratio	Lower	Upper
43	100		
58	31.7	25.8	38.6





#17

Carbon Disulfide

Concen: 19.866 ug/l

RT: 4.20 min Scan# 404

Delta R.T. 0.01 min

Lab File: VY000608.D

Acq: 08 Nov 2019 11:52

Instrument :

MSVOA_Y

ClientSampleId :

VY1108SBS01

Tot Ion: 76 Resp: 167590

Ion Ratio Lower Upper

76 100

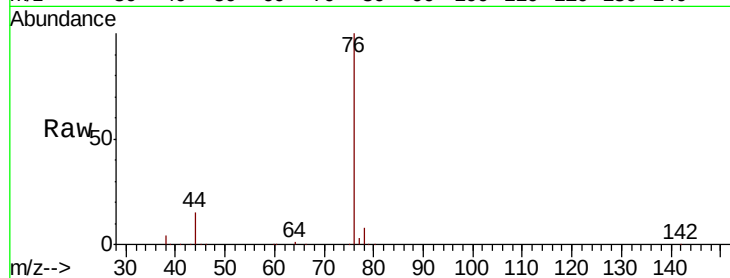
78 8.4 7.5 11.3

Manual Integrations

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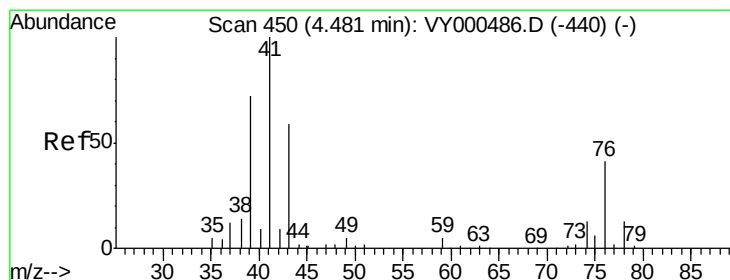
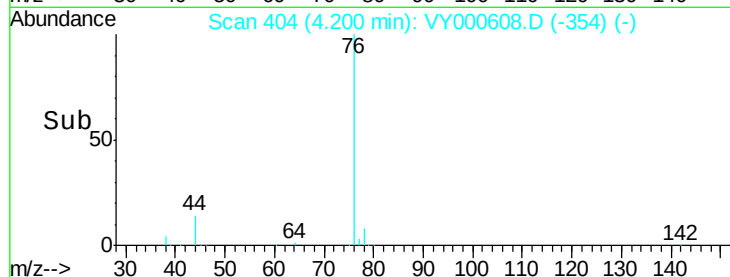
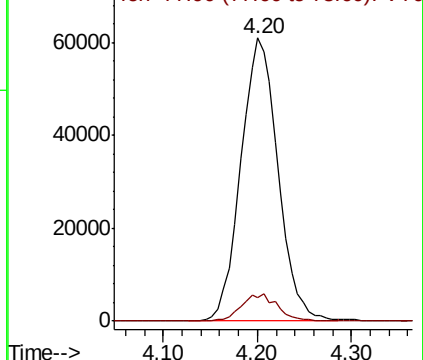
MMDadoda

11/13/2019 11:05:53 AM



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#18

Methyl Acetate

Concen: 23.526 ug/l

RT: 4.49 min Scan# 451

Delta R.T. 0.01 min

Lab File: VY000608.D

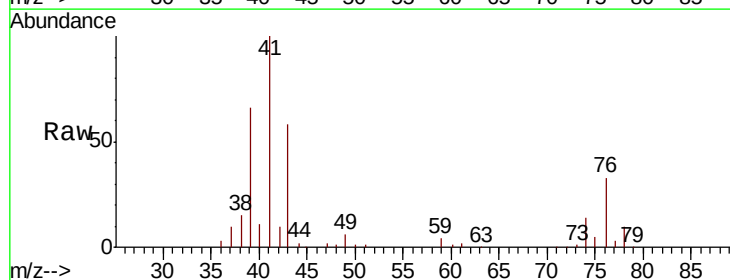
Acq: 08 Nov 2019 11:52

Tgt Ion: 43 Resp: 55866

Ion Ratio Lower Upper

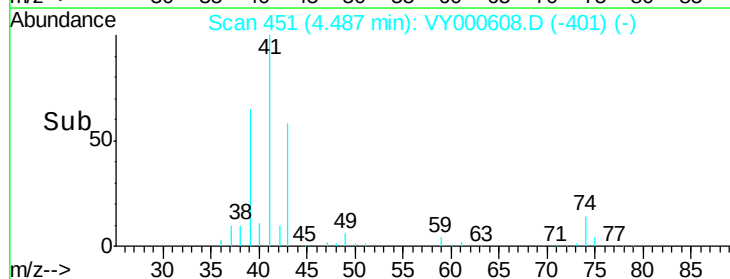
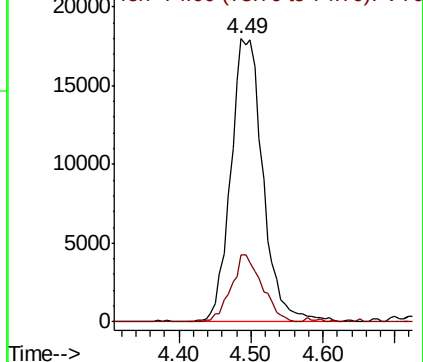
43 100

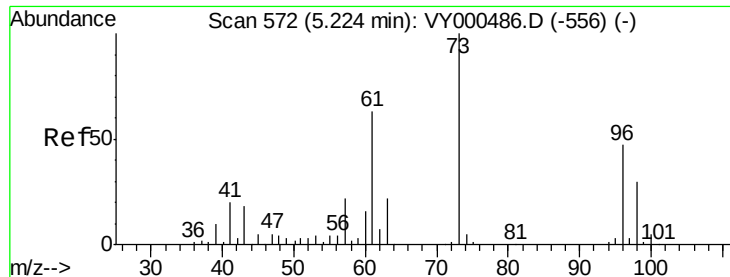
74 22.6 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0





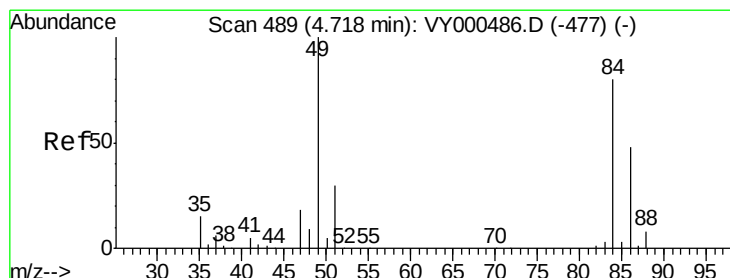
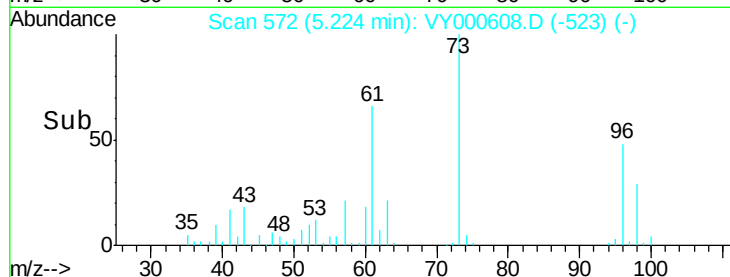
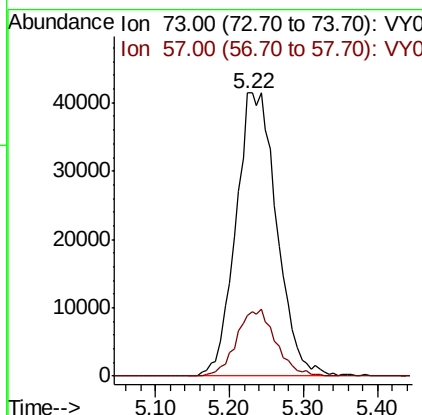
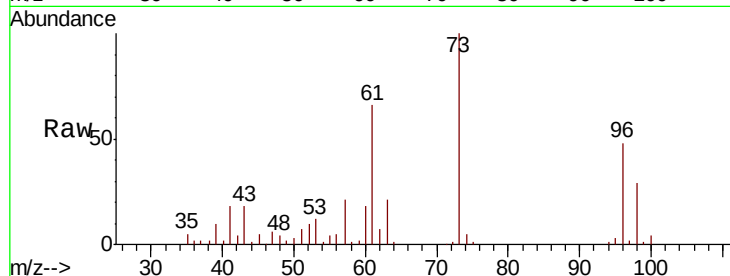
#19
Methyl tert-butyl Ether
Concen: 21.485 ug/l
RT: 5.22 min Scan# 572
Delta R.T. 0.00 min
Lab File: VY000608.D
Acq: 08 Nov 2019 11:52

Instrument :
MSVOA_Y
ClientSampleId :
VY1108SBS01

Tot Ion: 73 Resp: 159779
Ion Ratio Lower Upper
73 100
57 21.2 17.4 26.0

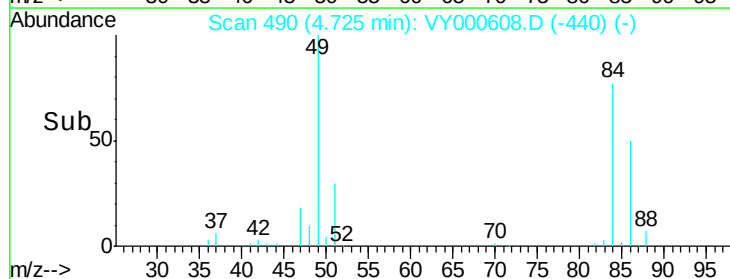
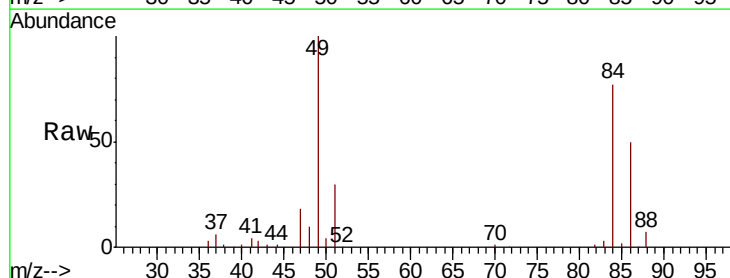
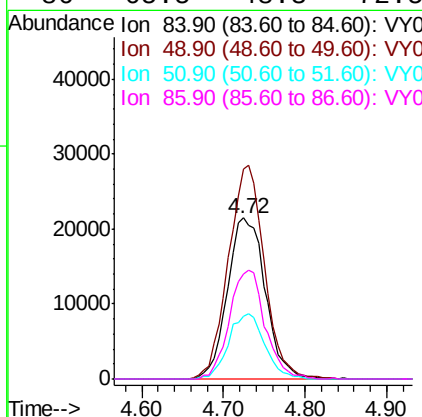
Manual Integrations
APPROVED

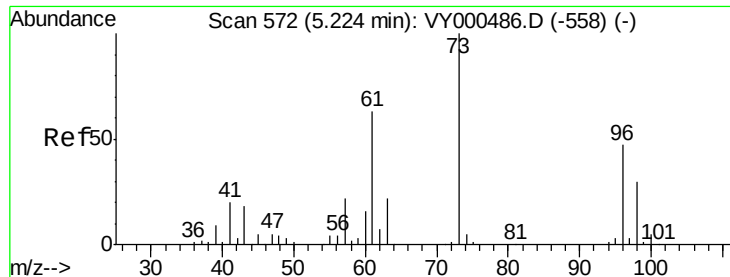
MMDadoda
11/13/2019 11:05:53 AM



#20
Methylene Chloride
Concen: 21.167 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.01 min
Lab File: VY000608.D
Acq: 08 Nov 2019 11:52

Tgt Ion: 84 Resp: 69269
Ion Ratio Lower Upper
84 100
49 130.5 100.2 150.4
51 39.3 29.6 44.4
86 65.5 48.3 72.5





#21

trans-1,2-Dichloroethene

Concen: 20.707 ug/l

RT: 5.22 min Scan# 572

Delta R.T. 0.00 min

Lab File: VY000608.D

Acq: 08 Nov 2019 11:52

Instrument :

MSVOA_Y

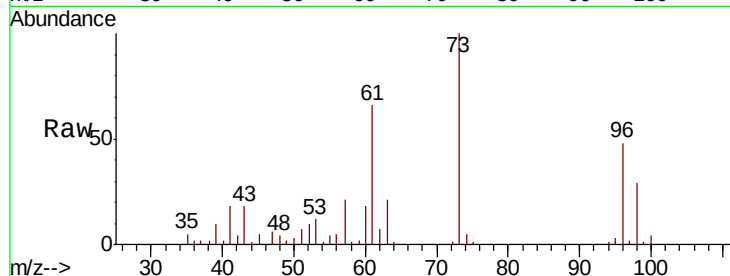
ClientSampleId :

VY1108SBS01

Tot Ion:	96	Resp:	62614
Ion	Ratio	Lower	Upper
96	100		
61	137.3	106.6	160.0
98	60.0	50.6	76.0

Manual Integrations
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MMDadoda
11/13/2019 11:05:53 AM

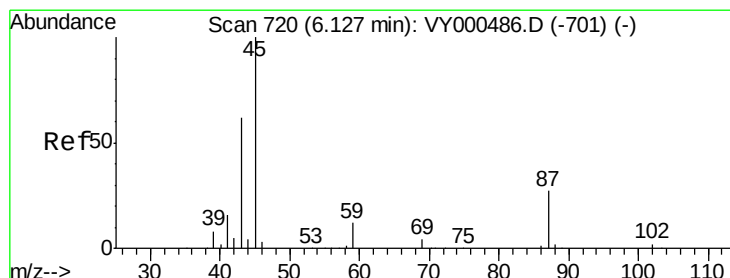
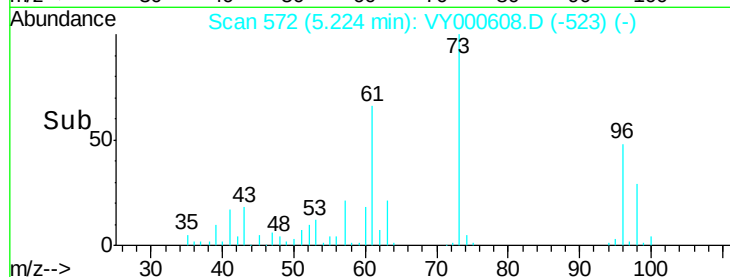
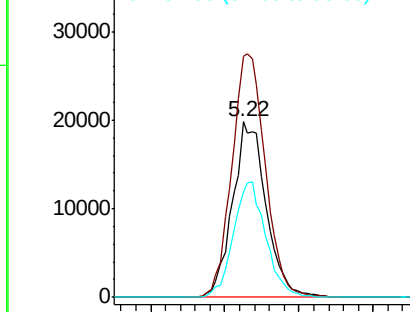


Abundance

Ion 95.90 (95.60 to 96.60): VY0

Ion 60.90 (60.60 to 61.60): VY0

Ion 97.90 (97.60 to 98.60): VY0



#22

Diisopropyl ether

Concen: 21.610 ug/l

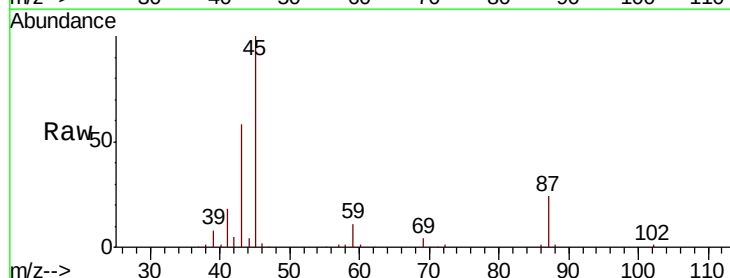
RT: 6.14 min Scan# 722

Delta R.T. 0.01 min

Lab File: VY000608.D

Acq: 08 Nov 2019 11:52

Tgt Ion:	45	Resp:	204280
Ion	Ratio	Lower	Upper
45	100		
43	57.8	50.0	75.0
87	23.9	21.6	32.4
59	11.1	9.5	14.3



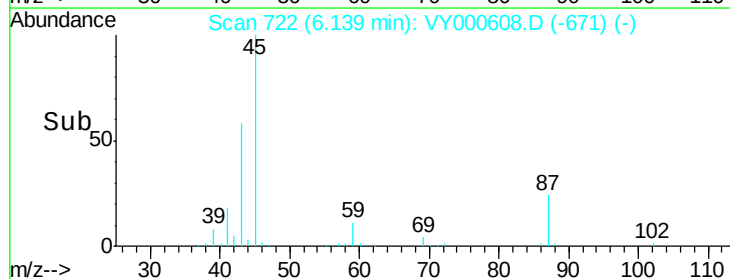
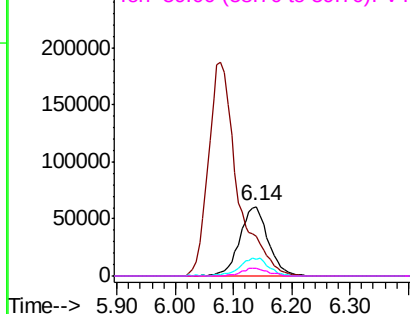
Abundance

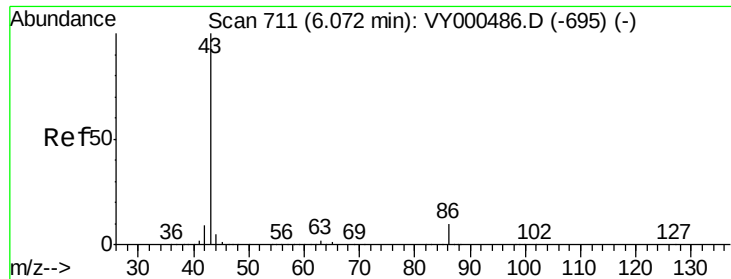
Ion 45.00 (44.70 to 45.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 87.00 (86.70 to 87.70): VY0

Ion 59.00 (58.70 to 59.70): VY0





#23

Vinyl Acetate

Concen: 108.030 ug/l

RT: 6.08 min Scan# 712

Delta R.T. 0.01 min

Lab File: VY000608.D

Acq: 08 Nov 2019 11:52

Instrument :

MSVOA_Y

ClientSampleId :

VY1108SBS01

Tot Ion: 43 Resp: 644653

Ion Ratio Lower Upper

43 100

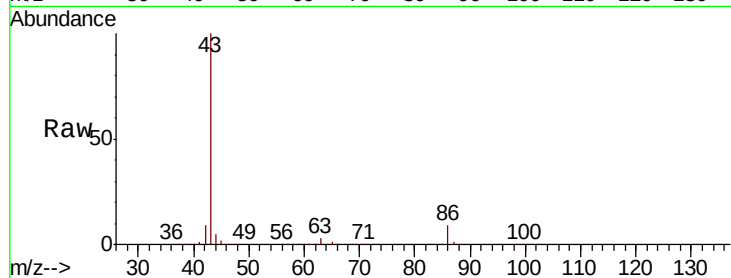
86 9.3 7.8 11.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

6.08

200000

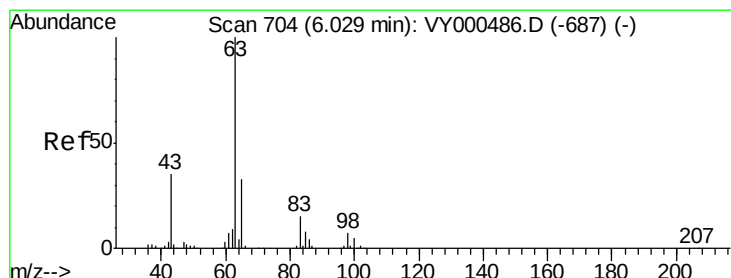
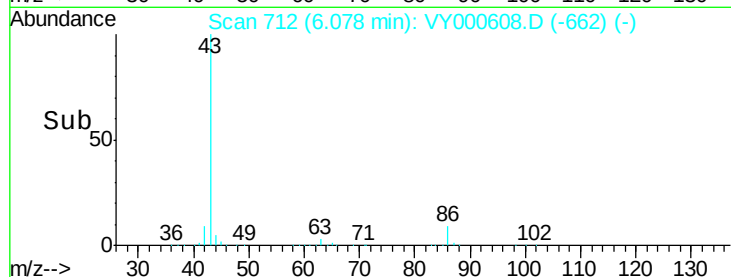
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 21.414 ug/l

RT: 6.03 min Scan# 704

Delta R.T. 0.00 min

Lab File: VY000608.D

Acq: 08 Nov 2019 11:52

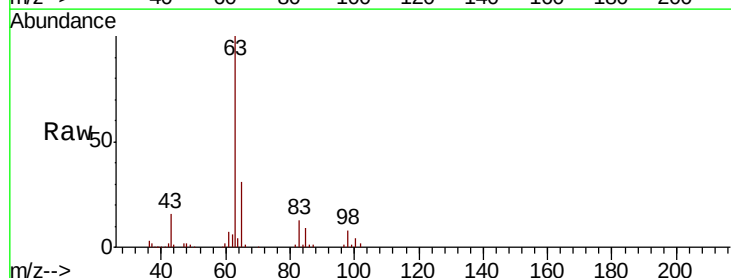
Tgt Ion: 63 Resp: 109665

Ion Ratio Lower Upper

63 100

98 7.6 3.5 10.6

100 4.5 2.4 7.1



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0

6.03

50000

40000

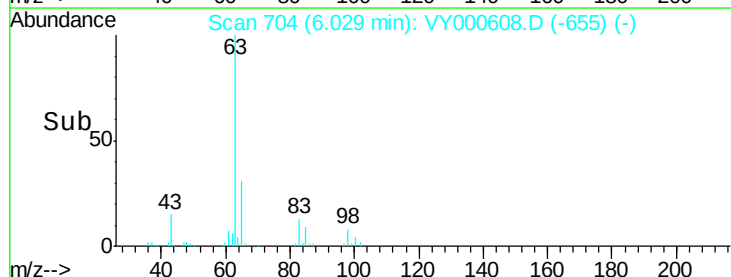
30000

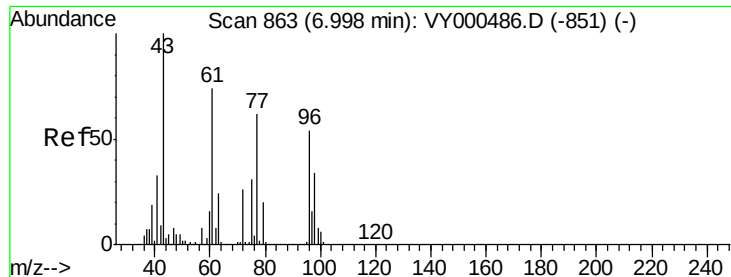
20000

10000

0

Time-->





#25

2-Butanone

Concen: 101.956 ug/l

RT: 7.01 min Scan# 865

Delta R.T. 0.01 min

Lab File: VY000608.D

Acq: 08 Nov 2019 11:52

Instrument :

MSVOA_Y

ClientSampleId :

VY1108SBS01

Tot Ion: 43 Resp: 124271

Ion Ratio Lower Upper

43 100

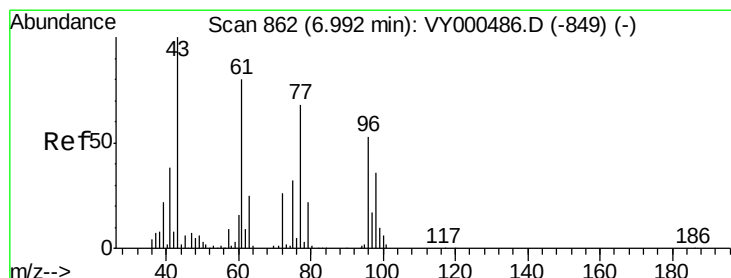
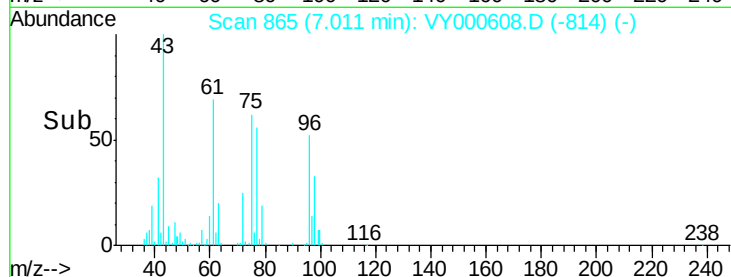
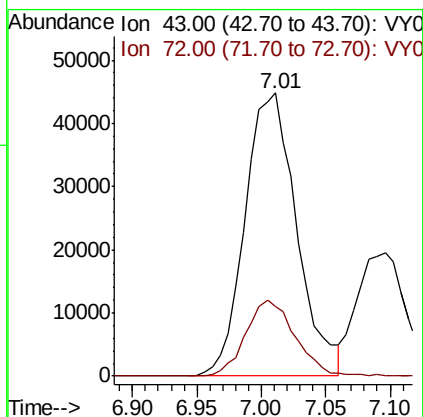
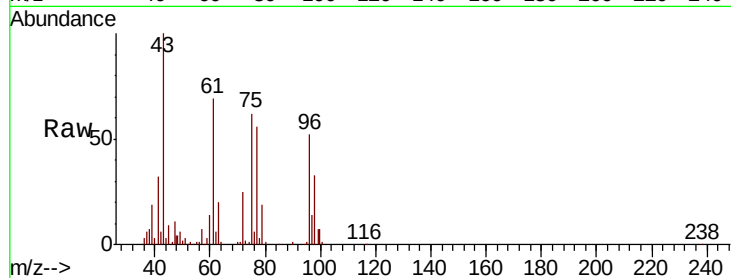
72 24.8 20.9 31.3

Manual Integrations

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MMDadoda

11/13/2019 11:05:53 AM



#26

2,2-Dichloropropane

Concen: 21.061 ug/l

RT: 7.00 min Scan# 863

Delta R.T. 0.01 min

Lab File: VY000608.D

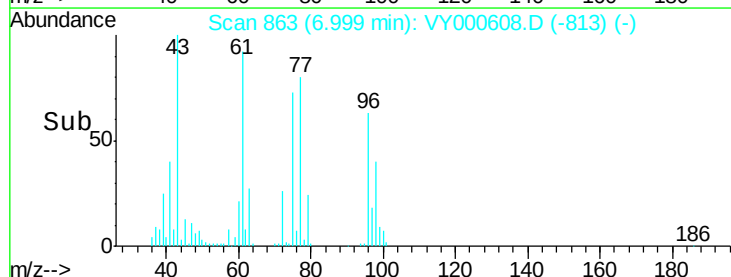
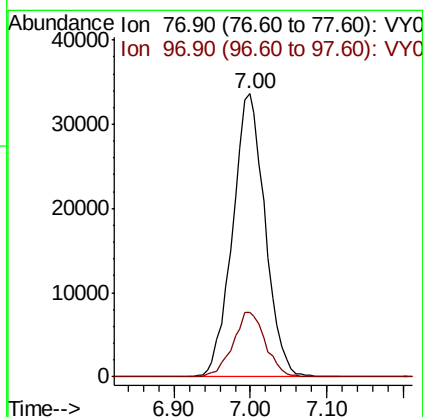
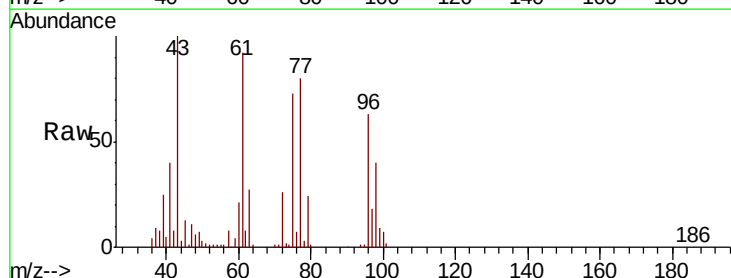
Acq: 08 Nov 2019 11:52

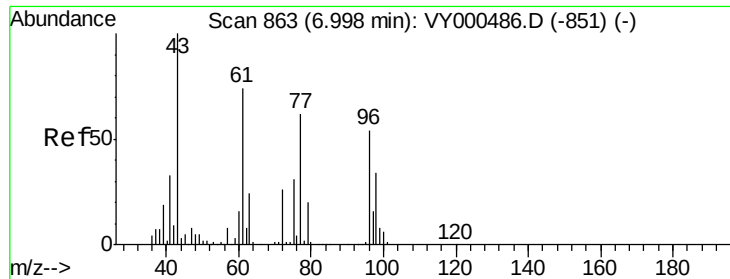
Tgt Ion: 77 Resp: 98566

Ion Ratio Lower Upper

77 100

97 22.8 11.8 35.4





#27

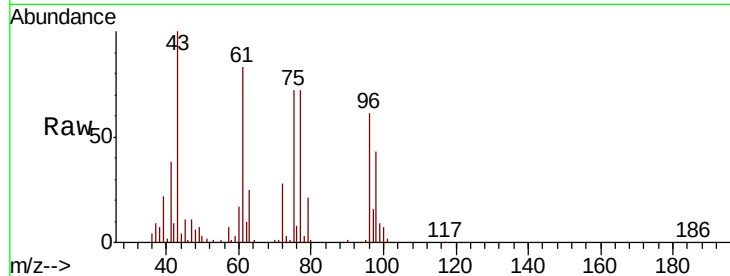
cis-1,2-Dichloroethene
Concen: 22.132 ug/l
RT: 7.00 min Scan# 864
Delta R.T. 0.01 min
Lab File: VY000608.D
Acq: 08 Nov 2019 11:52

Instrument :
MSVOA_Y
ClientSampleId :
VY1108SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.2	0.0	287.0
98	63.5	0.0	129.4

Manual Integrations
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11/13/2019 11:05:53 AM

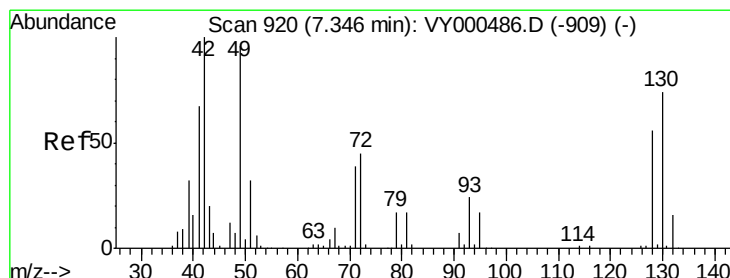
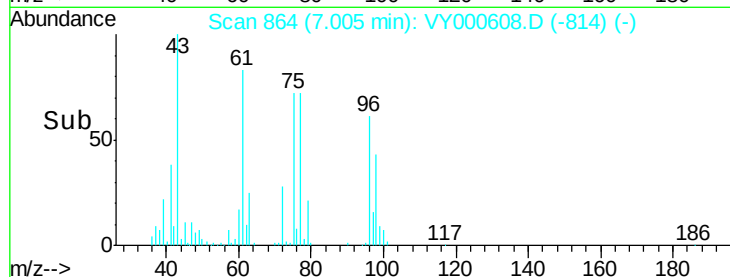
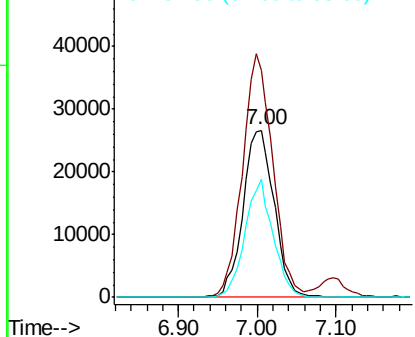


Abundance

Ion 95.90 (95.60 to 96.60): VY0

Ion 60.90 (60.60 to 61.60): VY0

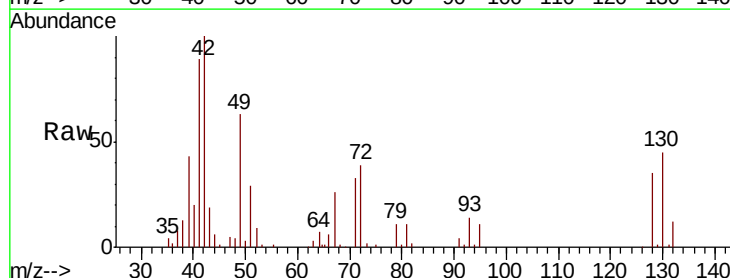
Ion 97.90 (97.60 to 98.60): VY0



#28

Bromochloromethane
Concen: 15.169 ug/l
RT: 7.35 min Scan# 920
Delta R.T. 0.00 min
Lab File: VY000608.D
Acq: 08 Nov 2019 11:52

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.6
130	70.1	59.4	89.0

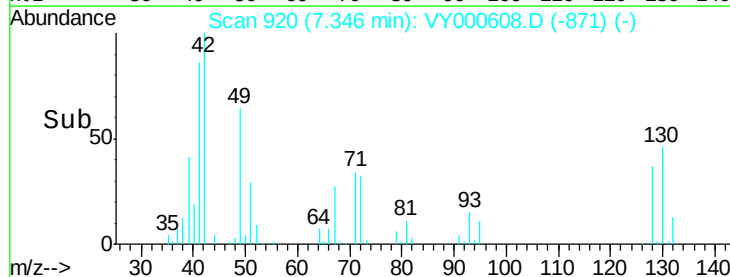
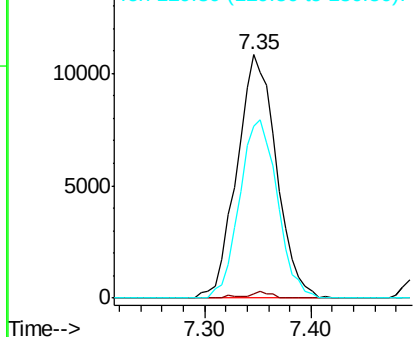


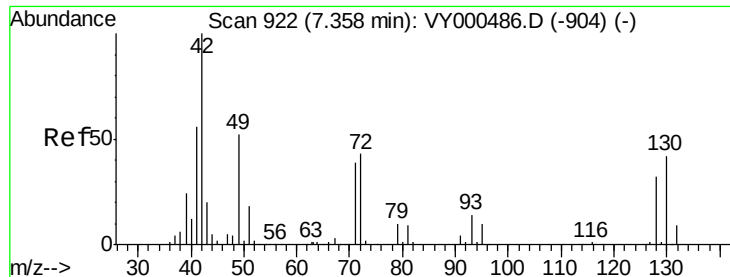
Abundance

Ion 48.90 (48.60 to 49.60): VY0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





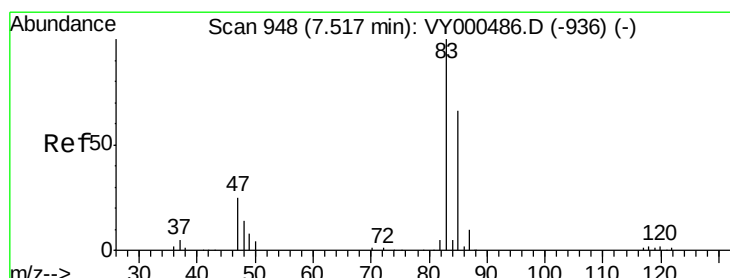
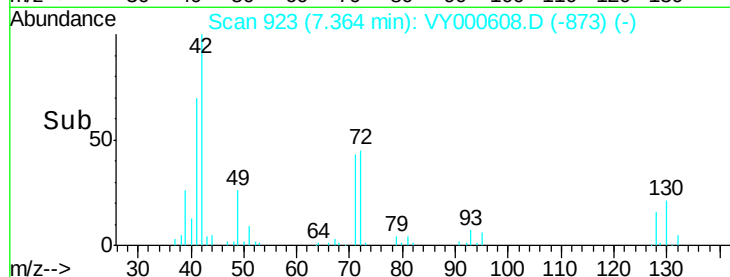
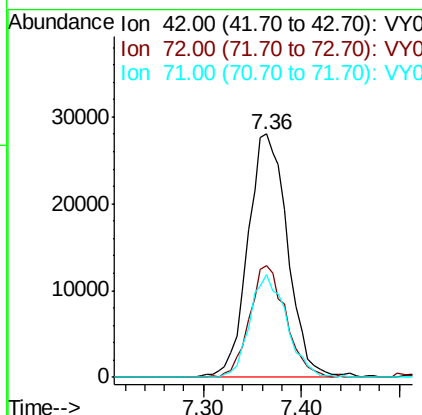
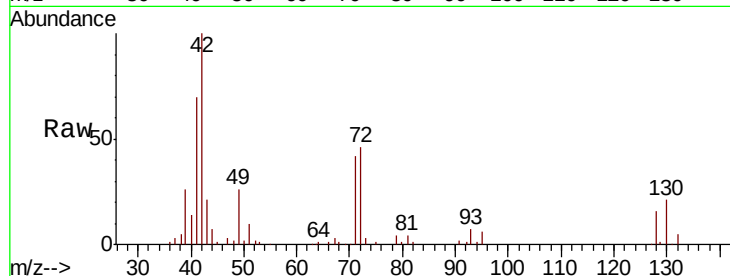
#29
Tetrahydrofuran
Concen: 106.272 ug/l
RT: 7.36 min Scan# 923
Delta R.T. 0.01 min
Lab File: VY000608.D
Acq: 08 Nov 2019 11:52

Instrument :
MSVOA_Y
ClientSampleId :
VY1108SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.3	34.0	51.0
71	39.0	30.8	46.2

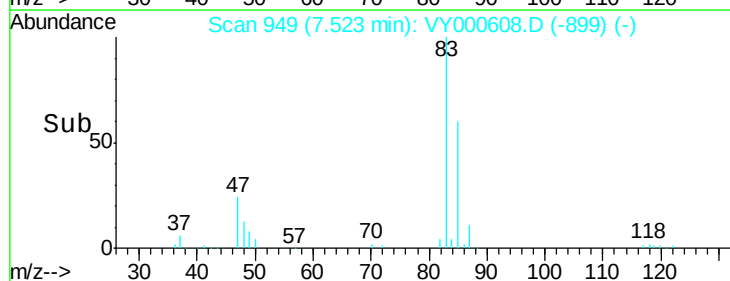
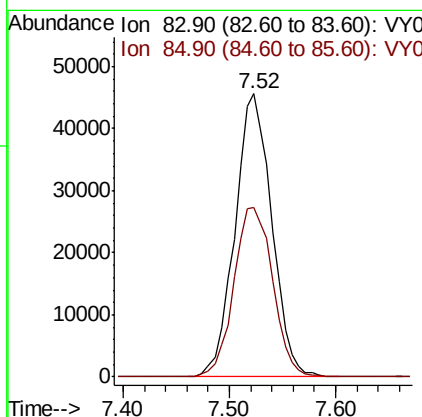
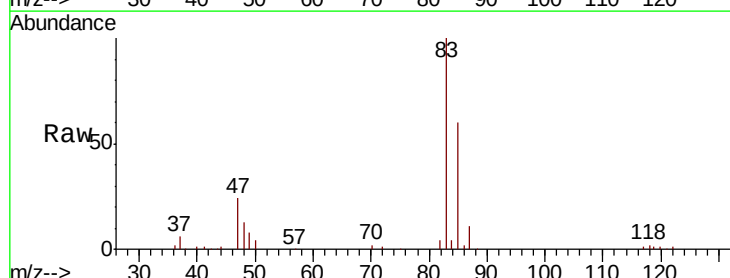
Manual Integrations
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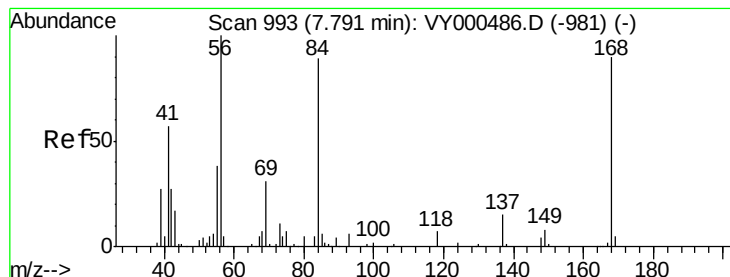
MMDadoda
11/13/2019 11:05:53 AM



#30
Chloroform
Concen: 21.325 ug/l
RT: 7.52 min Scan# 949
Delta R.T. 0.01 min
Lab File: VY000608.D
Acq: 08 Nov 2019 11:52

Tgt Ion	Ratio	Lower	Upper
83	100		
85	60.0	53.0	79.4





#31

Cyclohexane

Concen: 20.108 ug/l

RT: 7.79 min Scan# 993

Delta R.T. 0.00 min

Lab File: VY000608.D

Acq: 08 Nov 2019 11:52

Instrument :

MSVOA_Y

ClientSampleId :

VY1108SBS01

Tot Ion: 56 Resp: 107854

Ion Ratio Lower Upper

56 100

69 35.7 25.0 37.6

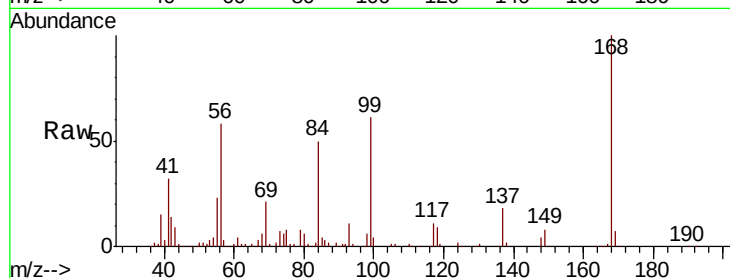
84 85.0 71.4 107.2

Manual Integrations

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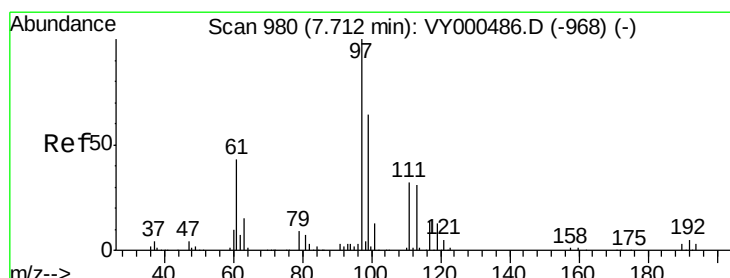
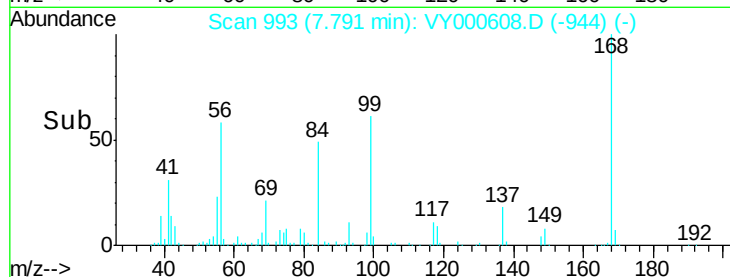
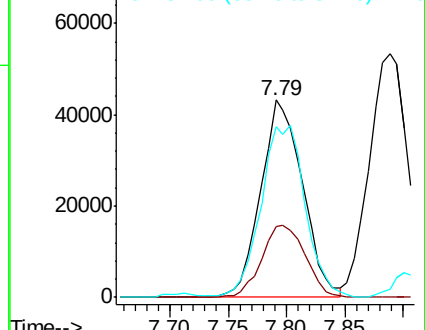
11/13/2019 11:05:53 AM



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0



#32

1,1,1-Trichloroethane

Concen: 21.558 ug/l

RT: 7.71 min Scan# 980

Delta R.T. 0.00 min

Lab File: VY000608.D

Acq: 08 Nov 2019 11:52

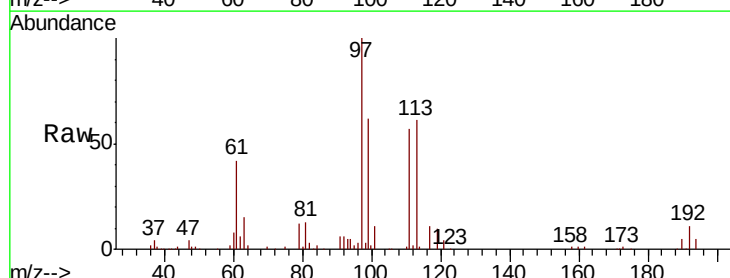
Tgt Ion: 97 Resp: 99536

Ion Ratio Lower Upper

97 100

99 60.9 50.9 76.3

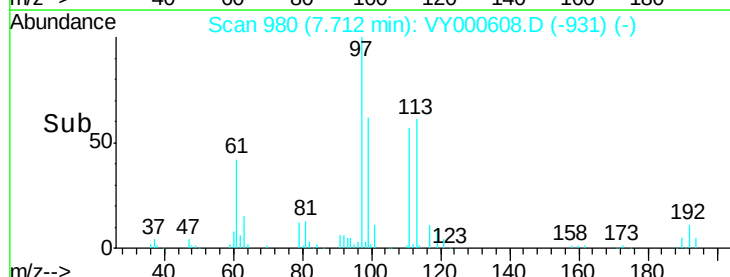
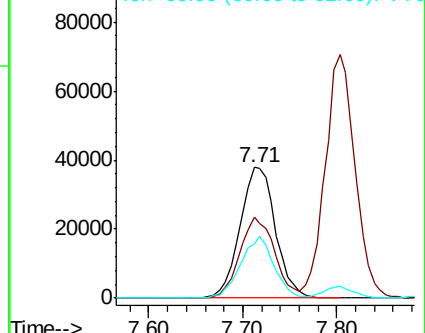
61 44.1 34.9 52.3

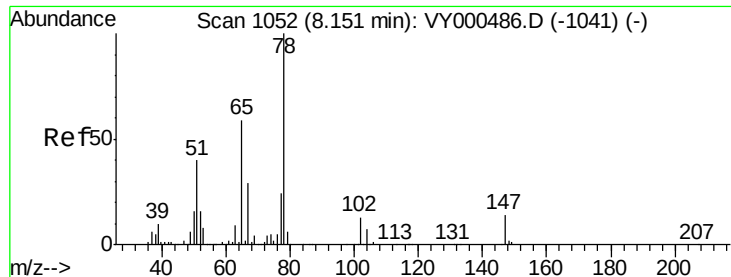


Abundance Ion 96.90 (96.60 to 97.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

Ion 60.90 (60.60 to 61.60): VY0





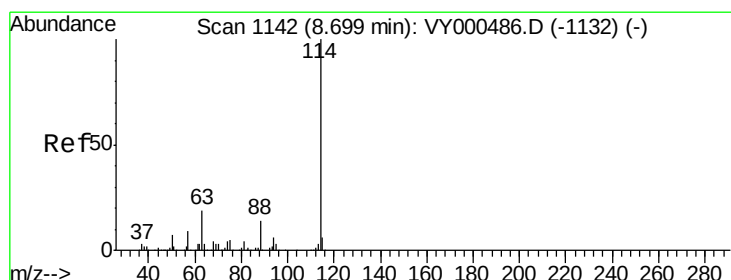
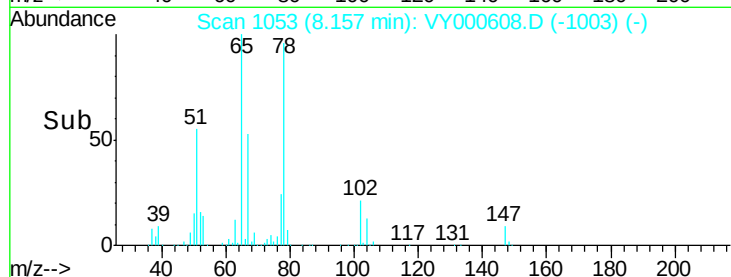
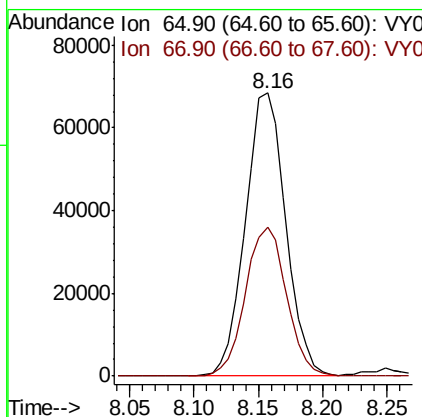
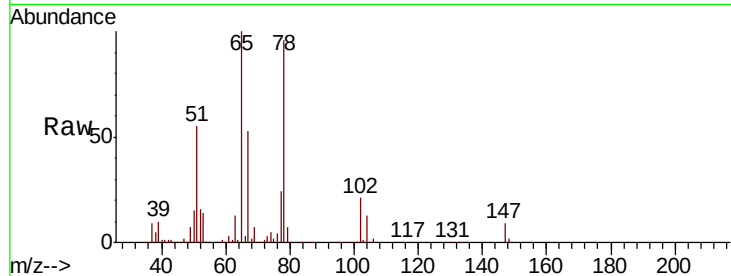
#33
 1,2-Dichloroethane-d4
 Concen: 53.678 ug/l
 RT: 8.16 min Scan# 1053
 Delta R.T. 0.01 min
 Lab File: VY000608.D
 Acq: 08 Nov 2019 11:52

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1108SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	148743		
67	53.5	0.0	107.2	

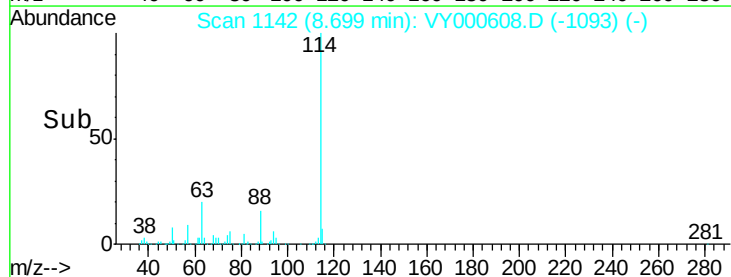
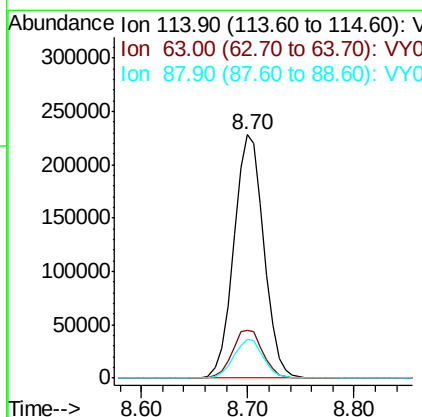
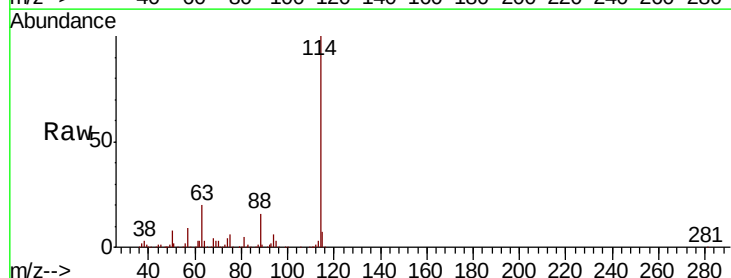
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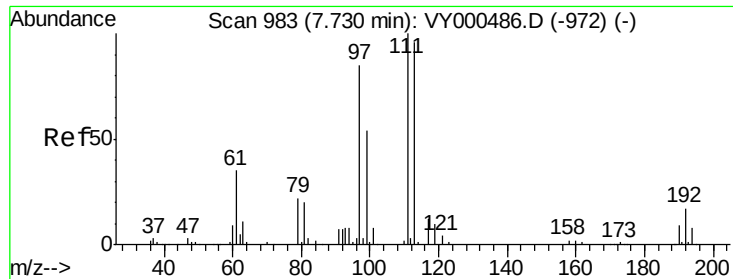
MMDadoda
 11/13/2019 11:05:53 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. 0.00 min
 Lab File: VY000608.D
 Acq: 08 Nov 2019 11:52

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	449533		
63	19.7	0.0	38.0	
88	16.0	0.0	28.6	





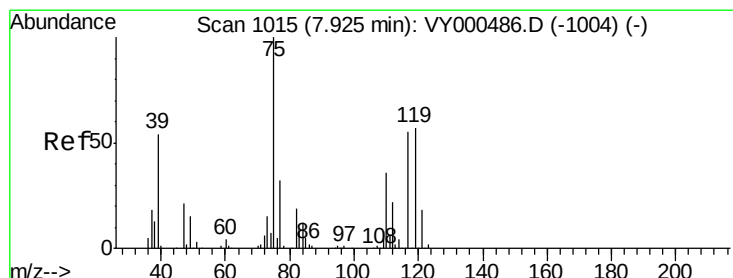
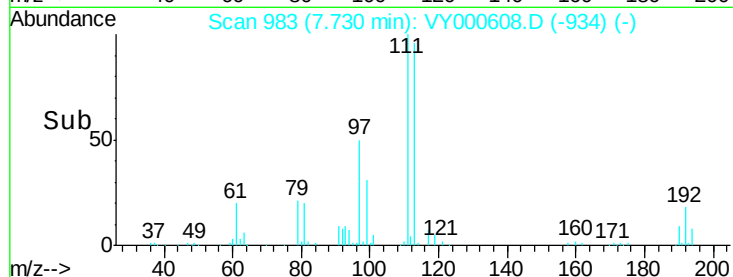
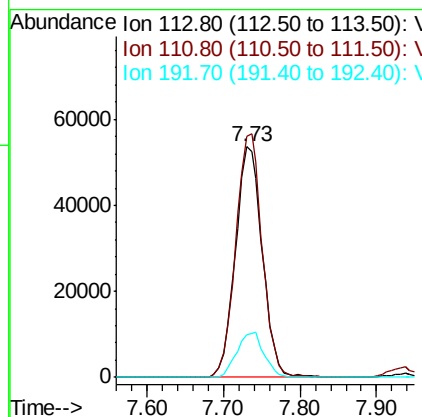
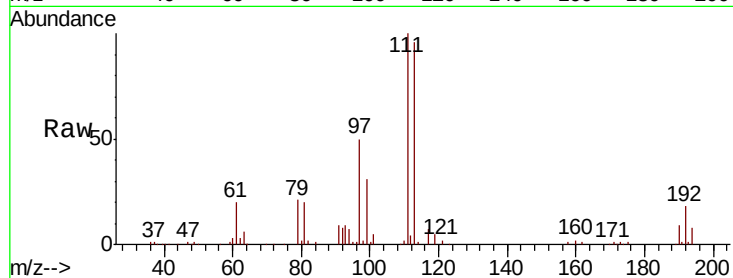
#35
 Dibromofluoromethane
 Concen: 49.426 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. 0.00 min
 Lab File: VY000608.D
 Acq: 08 Nov 2019 11:52

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1108SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	130439		
111	103.9	81.7	122.5	
192	19.8	15.0	22.4	

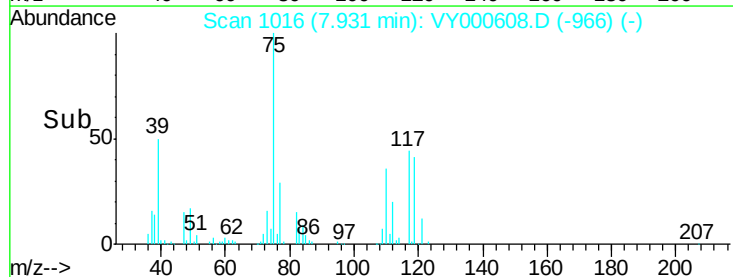
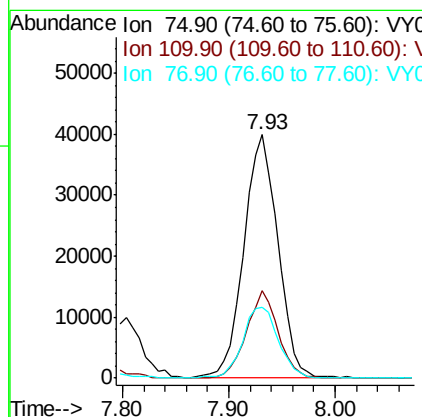
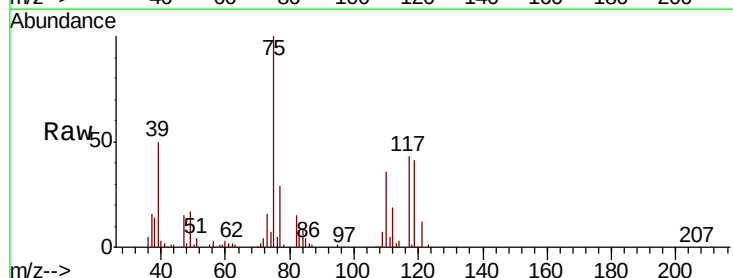
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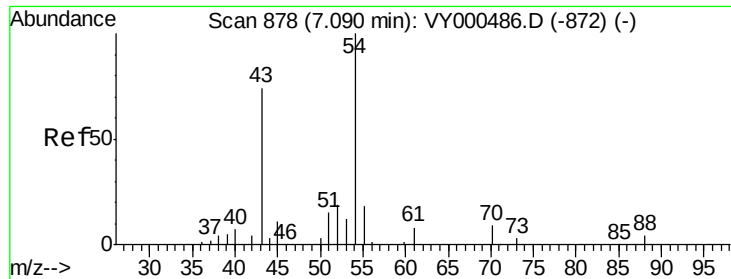
MMDadoda
 11/13/2019 11:05:53 AM



#36
 1,1-Dichloropropene
 Concen: 21.192 ug/l
 RT: 7.93 min Scan# 1016
 Delta R.T. 0.01 min
 Lab File: VY000608.D
 Acq: 08 Nov 2019 11:52

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	90057		
110	33.2	18.1	54.1	
77	30.6	25.0	37.6	





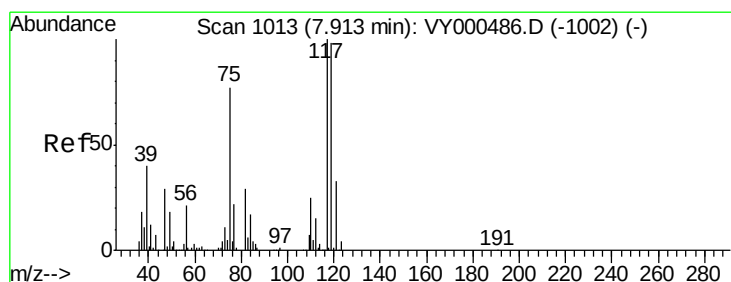
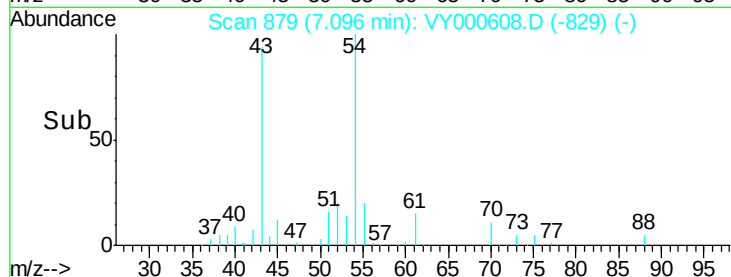
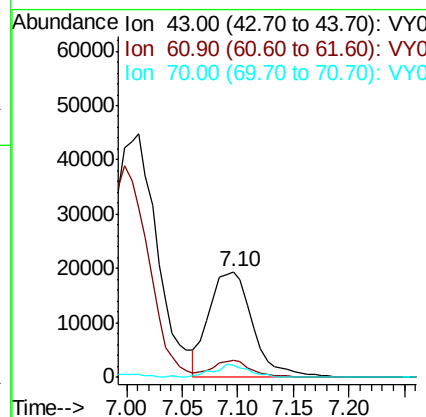
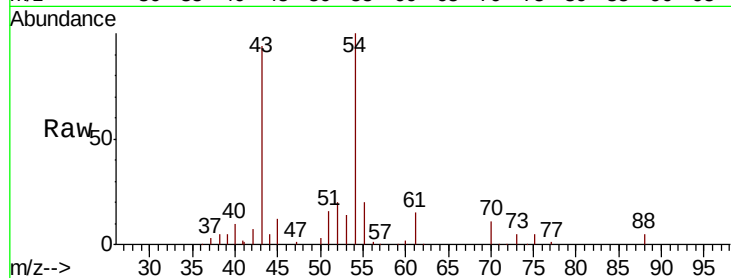
#37
Ethyl Acetate
Concen: 20.821 ug/l
RT: 7.10 min Scan# 879
Delta R.T. 0.01 min
Lab File: VY000608.D
Acq: 08 Nov 2019 11:52

Instrument :
MSVOA_Y
ClientSampleId :
VY1108SBS01

Tot Ion	43	Resp	52531
Ion Ratio	100	Lower	Upper
43	100		
61	14.6	10.2	15.2
70	10.4	7.8	11.8

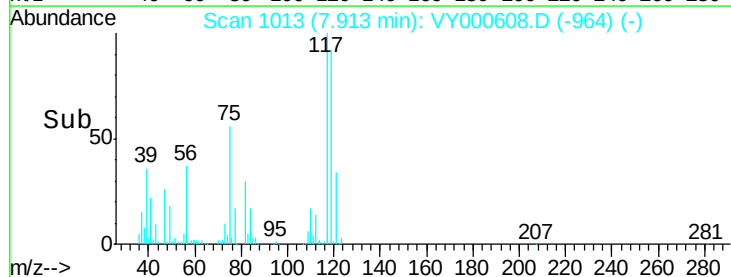
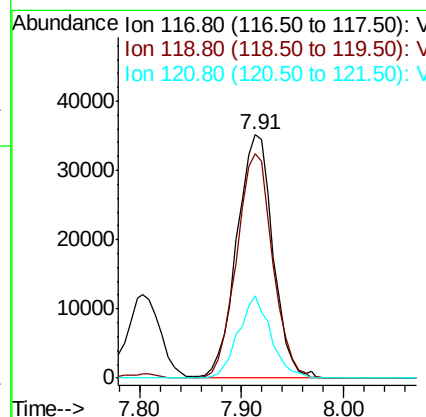
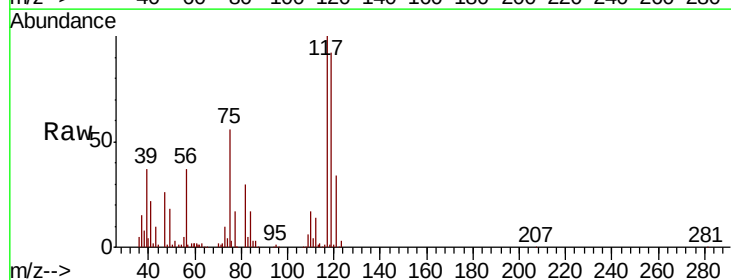
Manual Integrations
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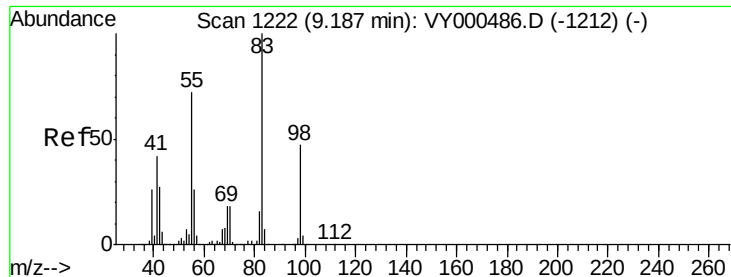
MMDadoda
11/13/2019 11:05:53 AM



#38
Carbon Tetrachloride
Concen: 21.106 ug/l
RT: 7.91 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VY000608.D
Acq: 08 Nov 2019 11:52

Tgt Ion	117	Resp	86305
Ion Ratio	100	Lower	Upper
117	100		
119	92.1	78.0	117.0
121	33.8	26.6	40.0





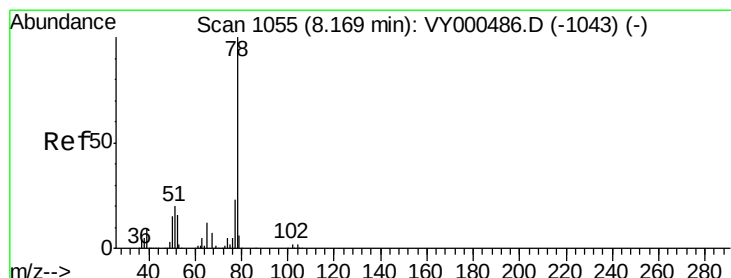
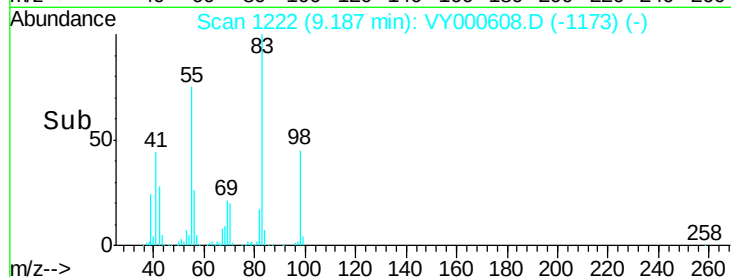
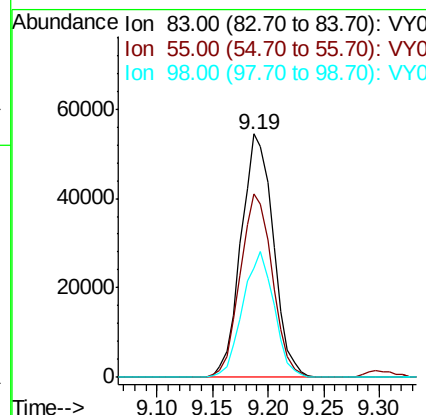
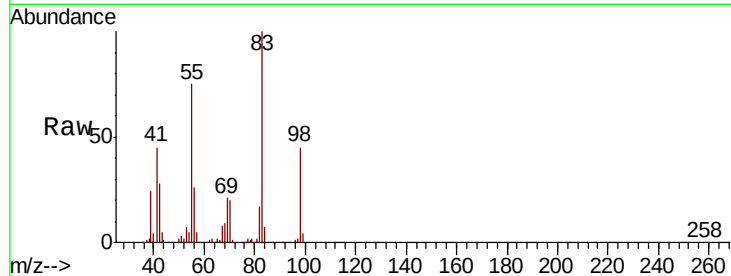
#39
Methylvlcyclohexane
Concen: 19.913 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. 0.00 min
Lab File: VY000608.D
Acq: 08 Nov 2019 11:52

Instrument :
MSVOA_Y
ClientSampleId :
VY1108SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.2	57.5	86.3
98	45.1	38.0	57.0

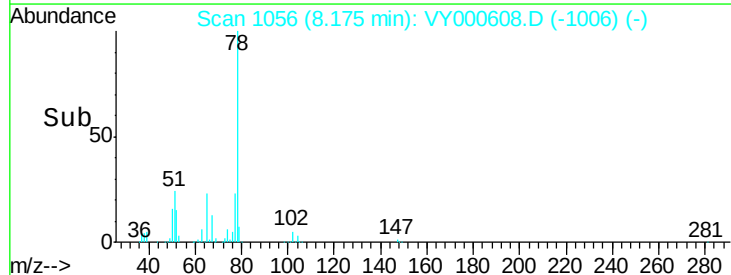
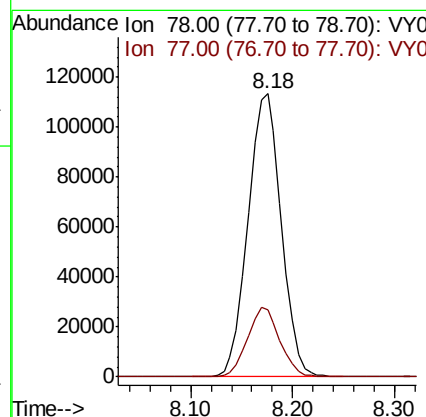
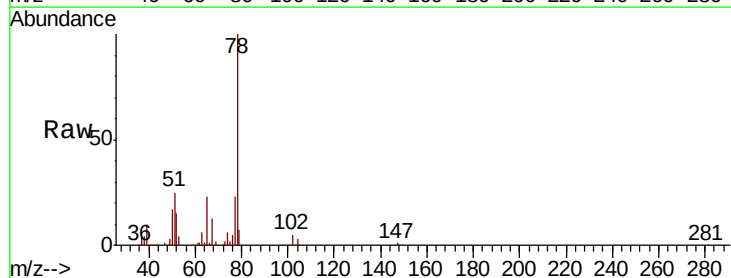
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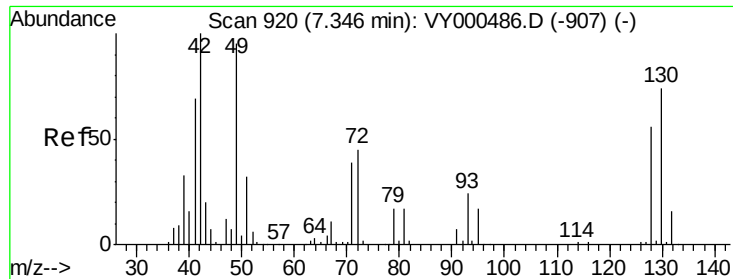
MMDadoda
11/13/2019 11:05:53 AM



#40
Benzene
Concen: 20.622 ug/l
RT: 8.18 min Scan# 1056
Delta R.T. 0.01 min
Lab File: VY000608.D
Acq: 08 Nov 2019 11:52

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.6	28.0





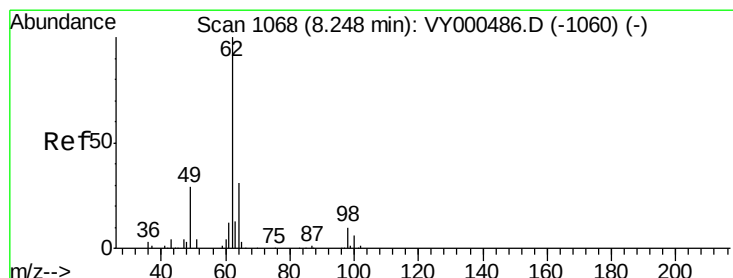
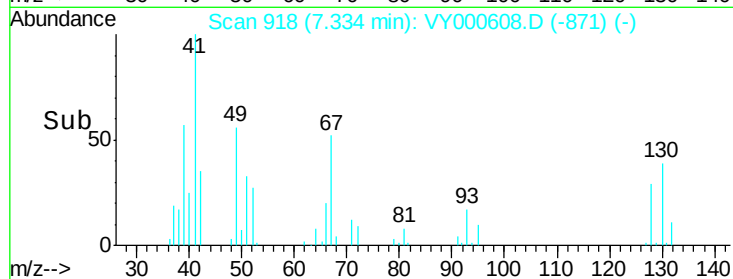
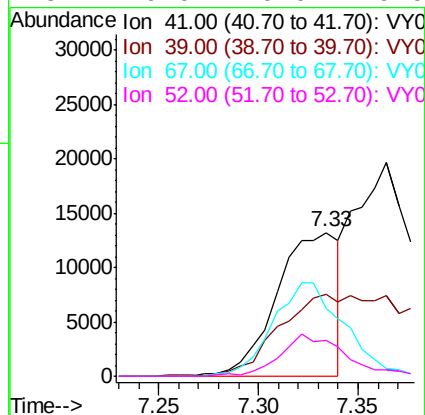
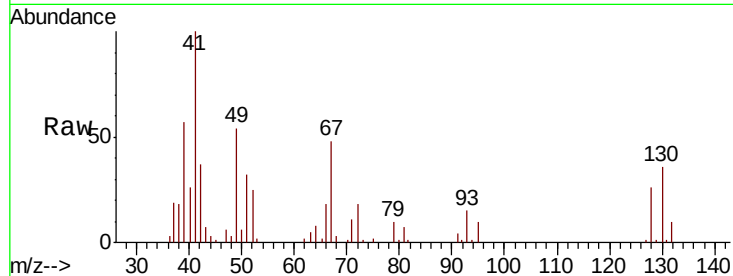
#41
Methacrylonitrile
Concen: 20.451 ug/l m
RT: 7.33 min Scan# 918
Delta R.T. -0.01 min
Lab File: VY000608.D
Acq: 08 Nov 2019 11:52

Instrument :
MSVOA_Y
ClientSampleId :
VY1108SBS01

Tot Ion:	41	Resp:	28785
Ion Ratio	Lower	Upper	
41	100		
39	0.0	68.2	102.4#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

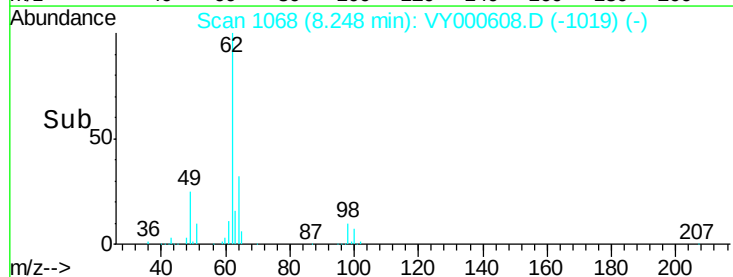
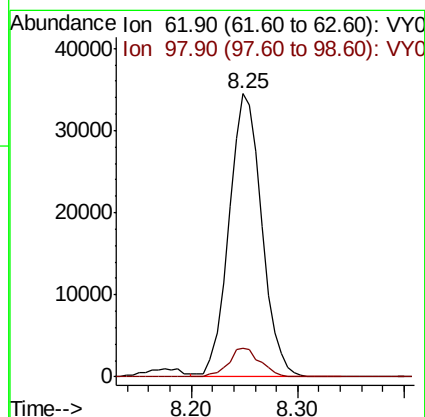
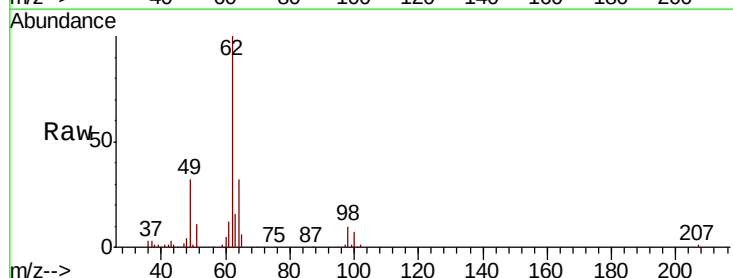
Manual Integrations
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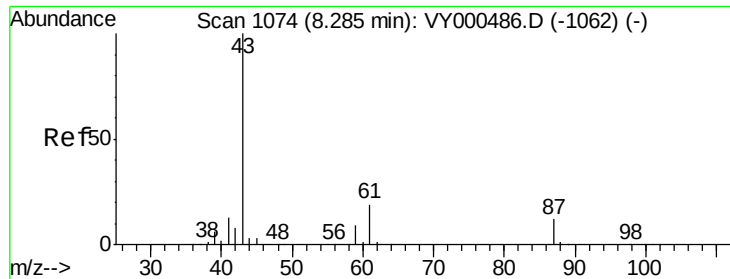
MMDadoda
11/13/2019 11:05:53 AM



#42
1,2-Dichloroethane
Concen: 21.041 ug/l
RT: 8.25 min Scan# 1068
Delta R.T. 0.00 min
Lab File: VY000608.D
Acq: 08 Nov 2019 11:52

Tgt Ion:	62	Resp:	74354
Ion Ratio	Lower	Upper	
62	100		
98	9.8	0.0	19.2





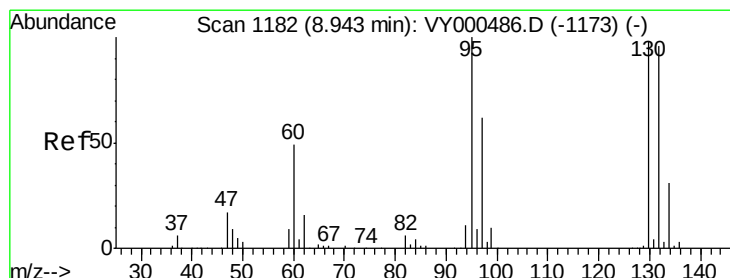
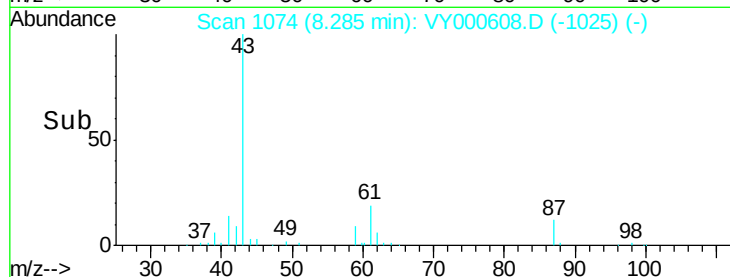
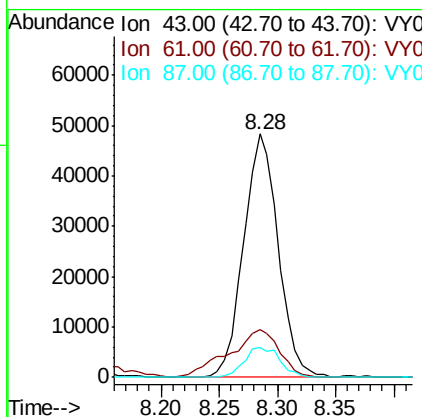
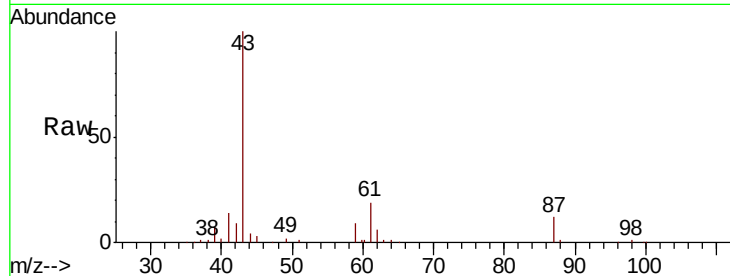
#43
Isopropyl Acetate
Concen: 21.174 ug/l
RT: 8.28 min Scan# 1074
Delta R.T. 0.00 min
Lab File: VY000608.D
Acq: 08 Nov 2019 11:52

Instrument :
MSVOA_Y
ClientSampleId :
VY1108SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.3	23.0	34.4
87	12.9	10.5	15.7

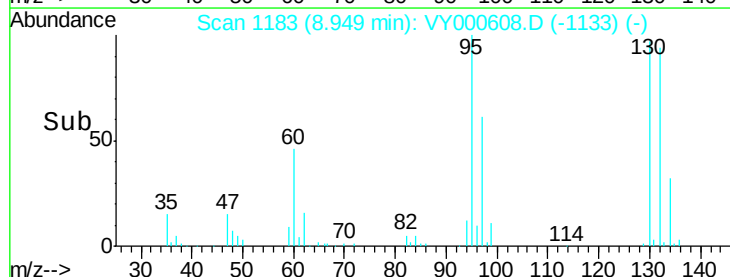
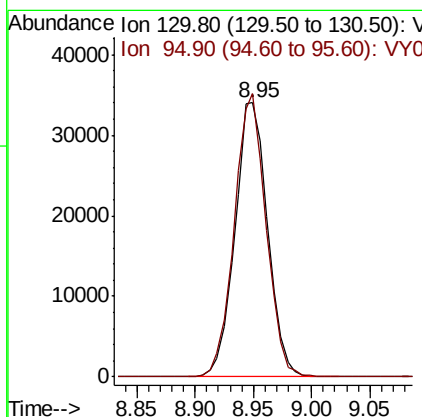
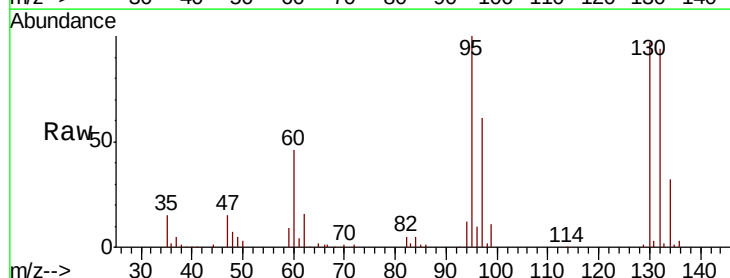
Manual Integrations
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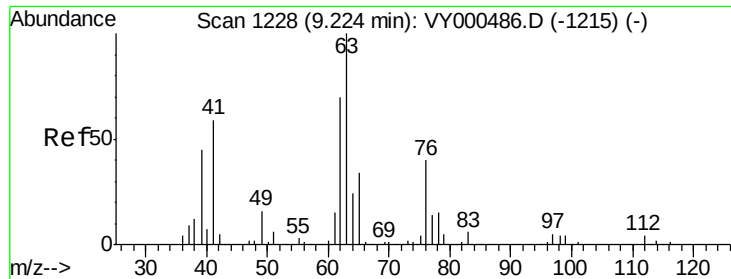
MMDadoda
11/13/2019 11:05:53 AM



#44
Trichloroethene
Concen: 20.267 ug/l
RT: 8.95 min Scan# 1183
Delta R.T. 0.01 min
Lab File: VY000608.D
Acq: 08 Nov 2019 11:52

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.4	0.0	203.2





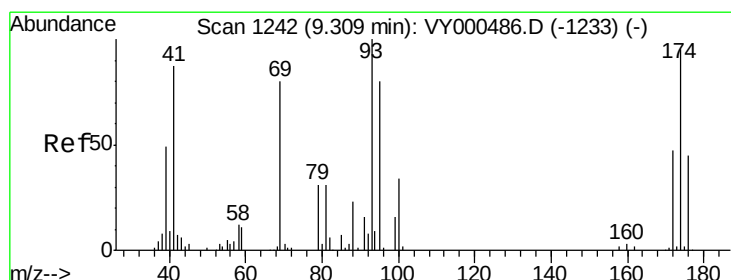
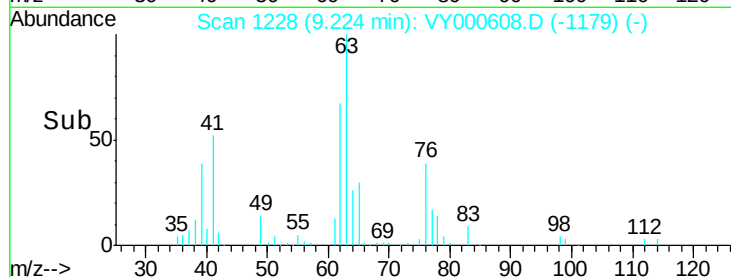
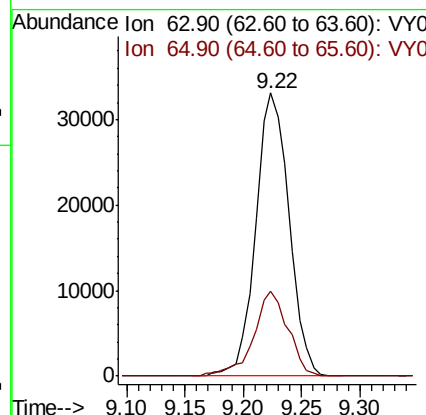
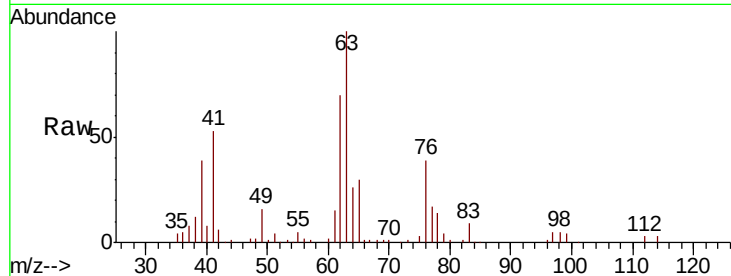
#45
 1,2-Dichloropropane
 Concen: 21.449 ug/l
 RT: 9.22 min Scan# 1228
 Delta R.T. 0.00 min
 Lab File: VY000608.D
 Acq: 08 Nov 2019 11:52

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1108SBS01

Tot Ion: 63 Resp: 65770
 Ion Ratio Lower Upper
 63 100
 65 30.2 27.0 40.4

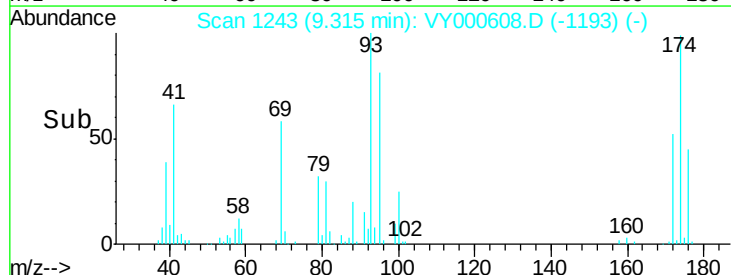
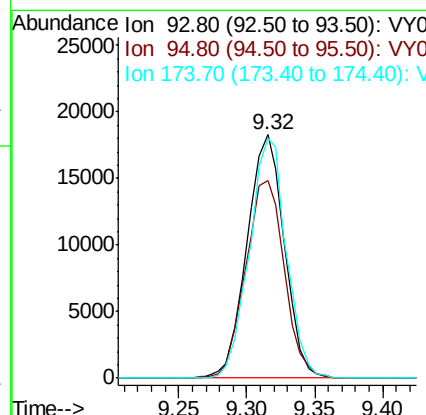
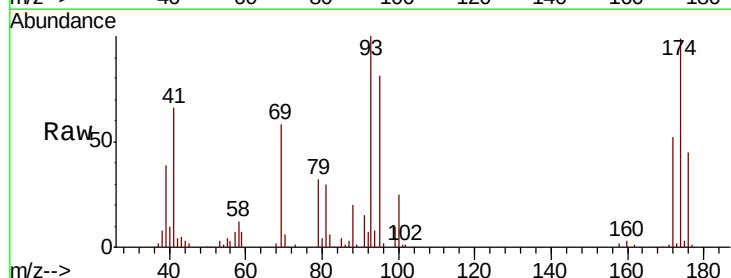
Manual Integrations
 APPROVED

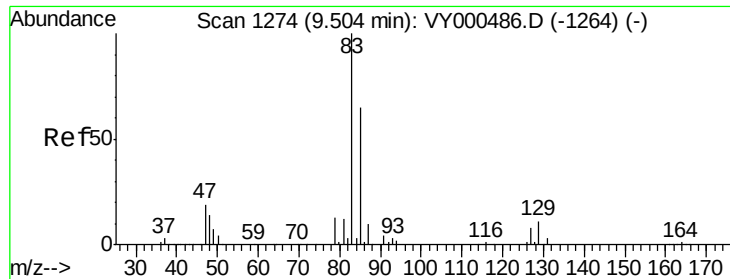
MMDadoda
 11/13/2019 11:05:53 AM



#46
 Dibromomethane
 Concen: 20.881 ug/l
 RT: 9.32 min Scan# 1243
 Delta R.T. 0.01 min
 Lab File: VY000608.D
 Acq: 08 Nov 2019 11:52

Tgt Ion: 93 Resp: 35214
 Ion Ratio Lower Upper
 93 100
 95 84.4 66.4 99.6
 174 97.4 77.1 115.7





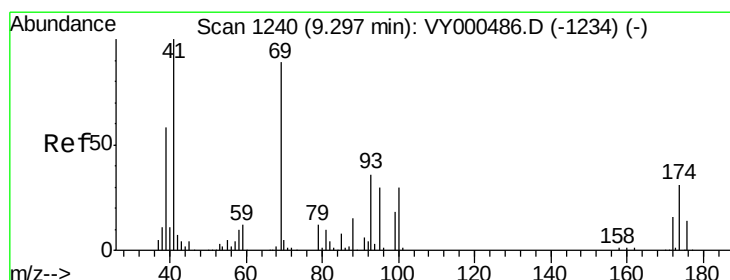
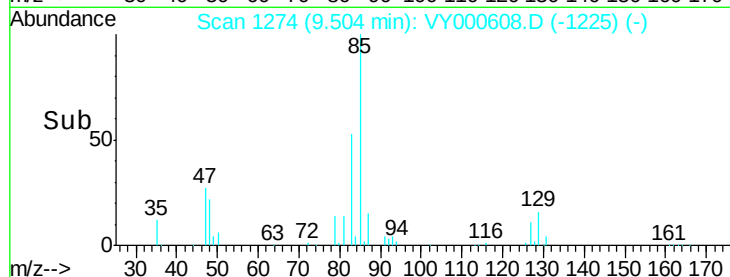
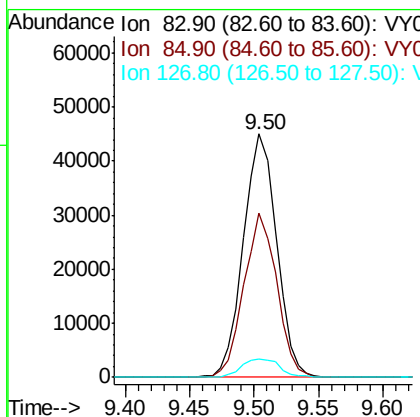
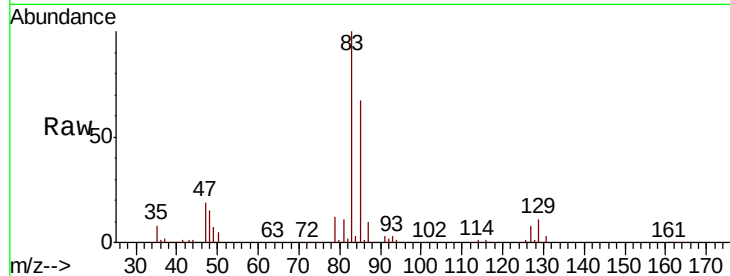
#47
Bromodichloromethane
Concen: 20.111 ug/l
RT: 9.50 min Scan# 1274
Delta R.T. 0.00 min
Lab File: VY000608.D
Acq: 08 Nov 2019 11:52

Instrument :
MSVOA_Y
ClientSampleId :
VY1108SBS01

Tot Ion	83	Resp	80473
Ion Ratio	100	Lower	Upper
83	100		
85	67.5	51.8	77.8
127	7.5	6.7	10.1

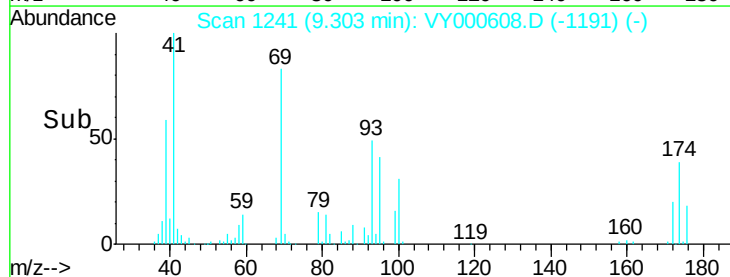
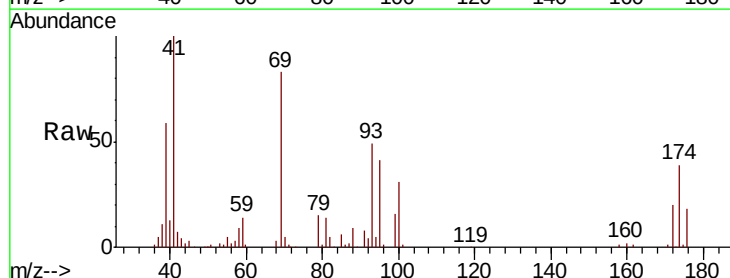
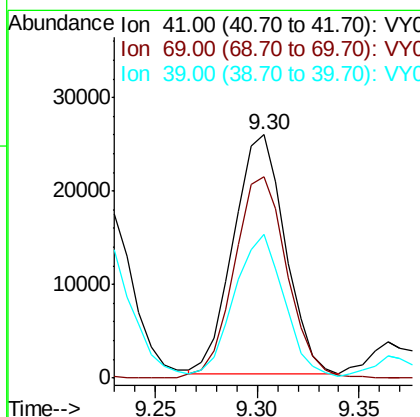
Manual Integrations
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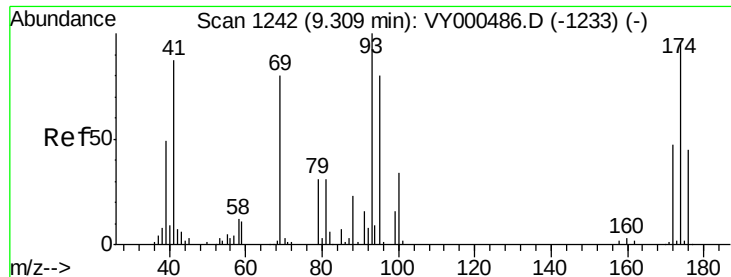
MMDadoda
11/13/2019 11:05:53 AM



#48
Methyl methacrylate
Concen: 21.651 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. 0.01 min
Lab File: VY000608.D
Acq: 08 Nov 2019 11:52

Tgt Ion	41	Resp	44836
Ion Ratio	100	Lower	Upper
41	100		
69	86.7	72.5	108.7
39	59.0	47.8	71.8





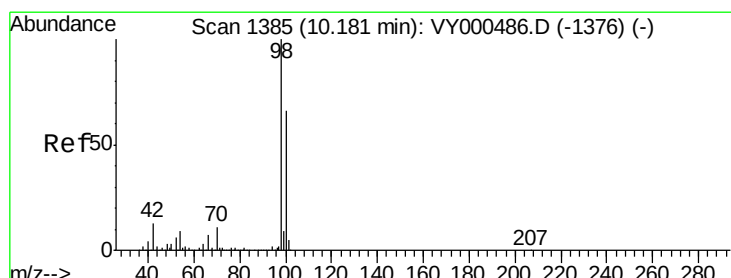
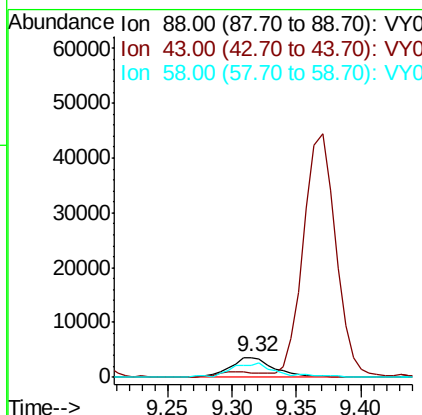
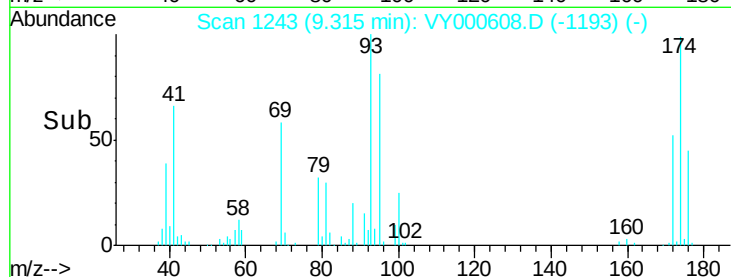
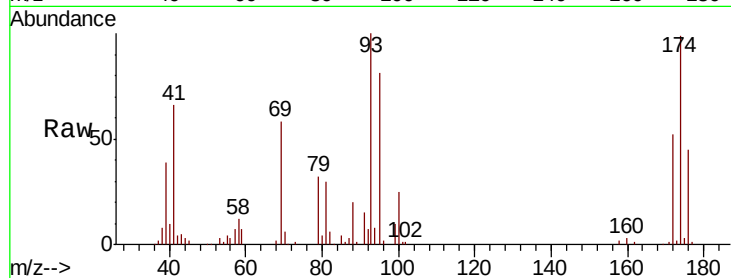
#49
1,4-Dioxane
Concen: 385.126 ug/l
RT: 9.32 min Scan# 1243
Delta R.T. 0.01 min
Lab File: VY000608.D
Acq: 08 Nov 2019 11:52

Instrument :
MSVOA_Y
ClientSampleId :
VY1108SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	27.1	25.1	37.7
58	76.5	50.6	75.8

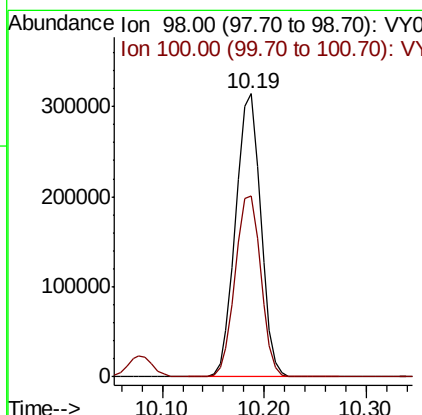
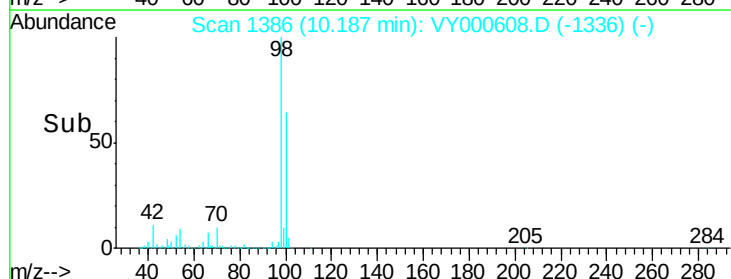
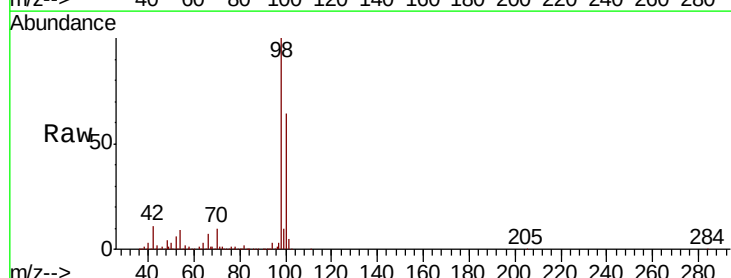
Manual Integrations
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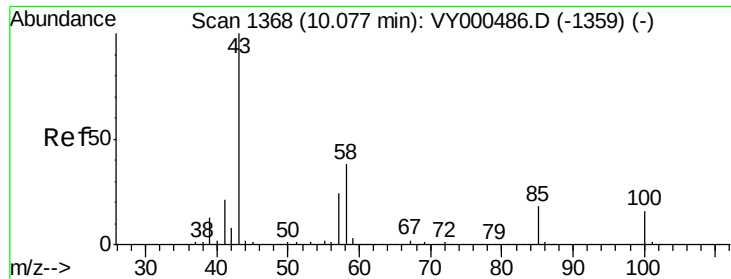
MMDadoda
11/13/2019 11:05:53 AM



#50
Toluene-d8
Concen: 53.333 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. 0.01 min
Lab File: VY000608.D
Acq: 08 Nov 2019 11:52

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.9	79.3





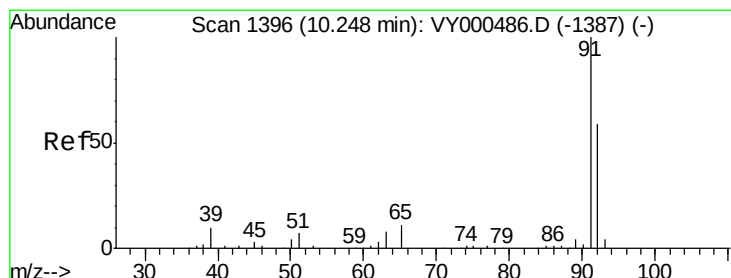
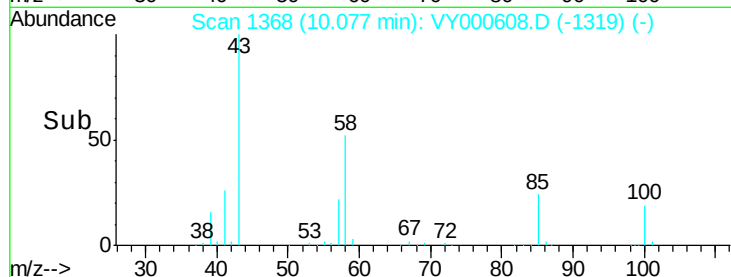
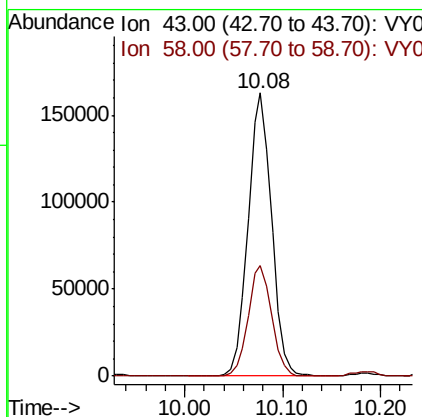
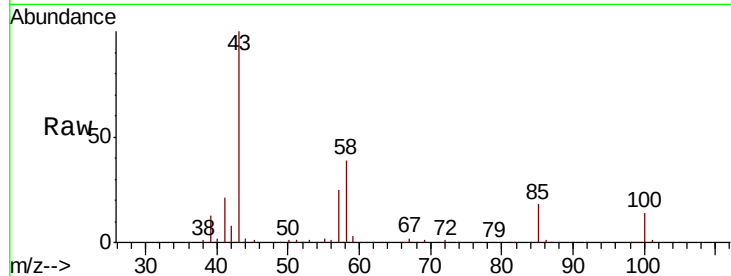
#51
4-Methyl-2-Pentanone
Concen: 107.485 ug/l
RT: 10.08 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VY000608.D
Acq: 08 Nov 2019 11:52

Instrument :
MSVOA_Y
ClientSampleId :
VY1108SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.1	30.2	45.4

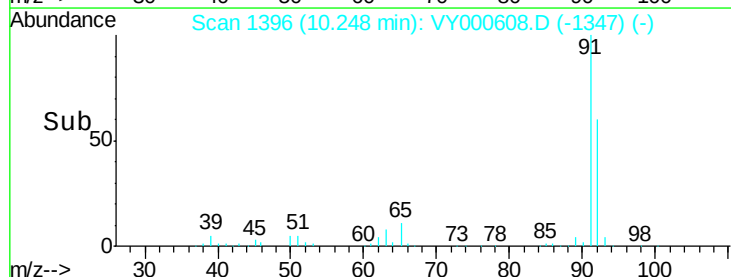
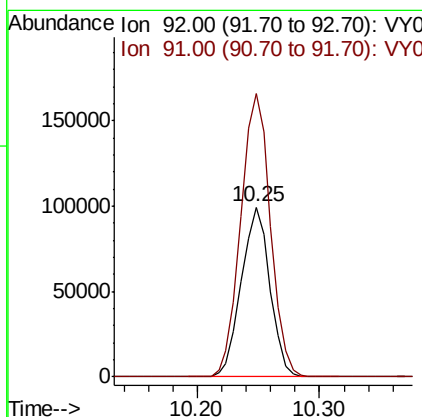
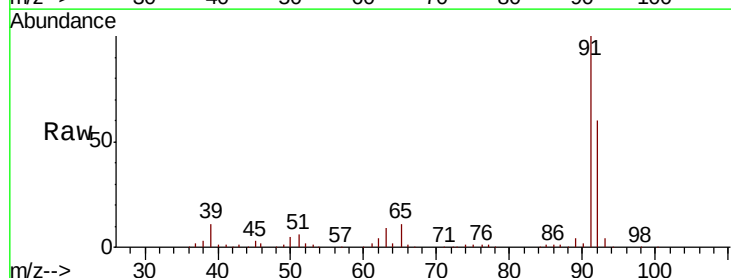
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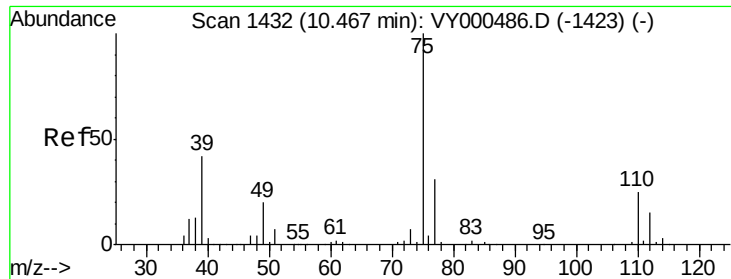
MMDadoda
11/13/2019 11:05:53 AM



#52
Toluene
Concen: 20.489 ug/l
RT: 10.25 min Scan# 1396
Delta R.T. 0.00 min
Lab File: VY000608.D
Acq: 08 Nov 2019 11:52

Tgt Ion	Ratio	Lower	Upper
92	100		
91	172.8	136.3	204.5





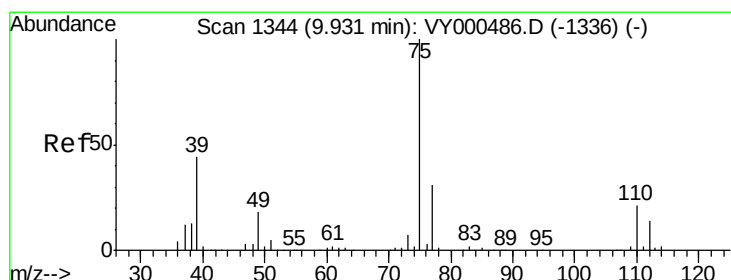
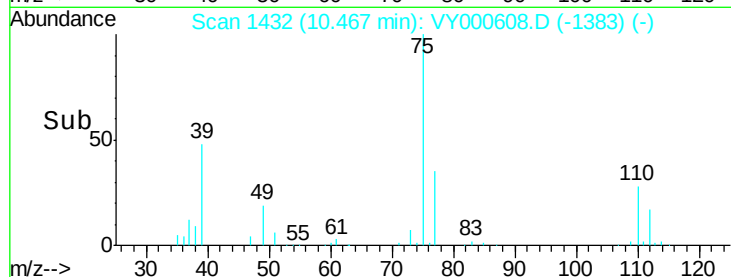
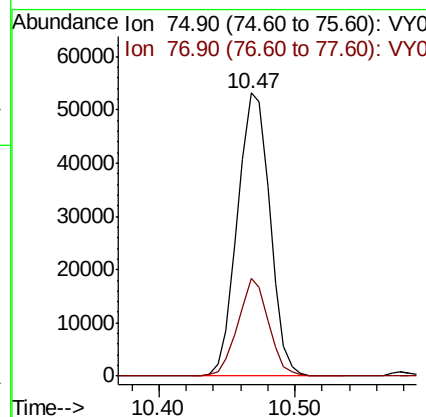
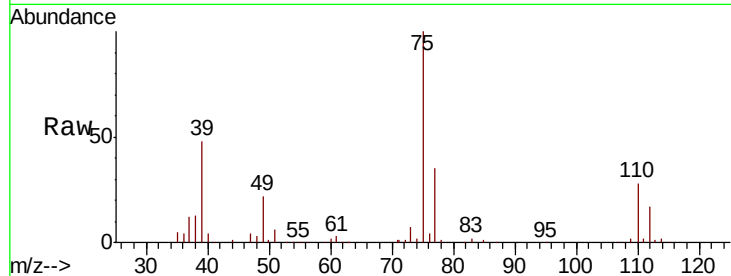
#53
 t-1,3-Dichloropropene
 Concen: 20.780 ug/l
 RT: 10.47 min Scan# 1432
 Delta R.T. 0.00 min
 Lab File: VY000608.D
 Acq: 08 Nov 2019 11:52

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1108SBS01

Tot Ion: 75 Resp: 88847
 Ion Ratio Lower Upper
 75 100
 77 34.7 24.6 37.0

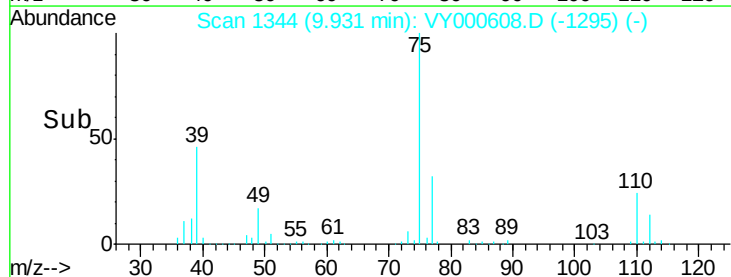
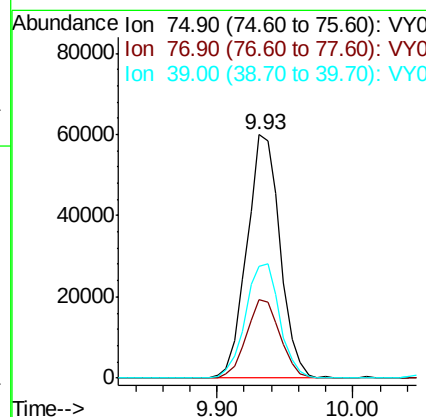
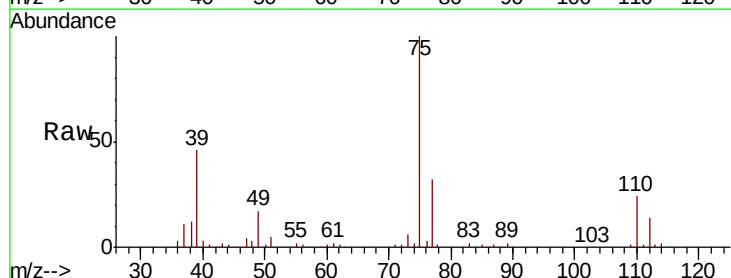
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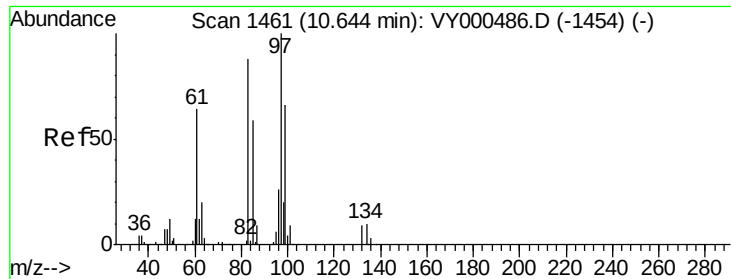
MMDadoda
 11/13/2019 11:05:53 AM



#54
 cis-1,3-Dichloropropene
 Concen: 20.923 ug/l
 RT: 9.93 min Scan# 1344
 Delta R.T. 0.00 min
 Lab File: VY000608.D
 Acq: 08 Nov 2019 11:52

Tgt Ion: 75 Resp: 102482
 Ion Ratio Lower Upper
 75 100
 77 32.0 24.5 36.7
 39 46.0 35.4 53.2





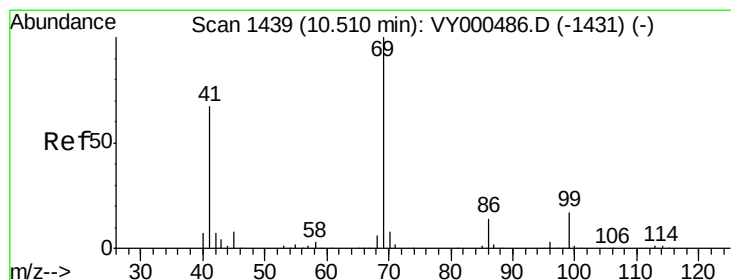
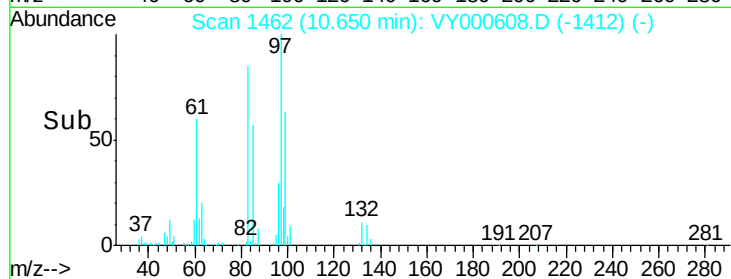
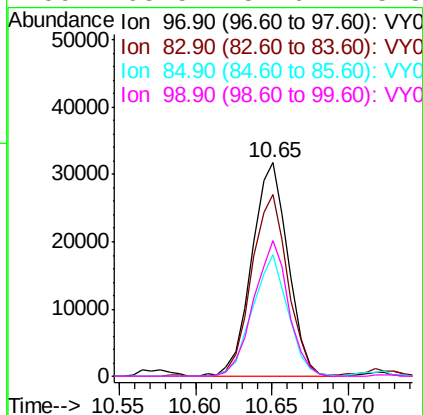
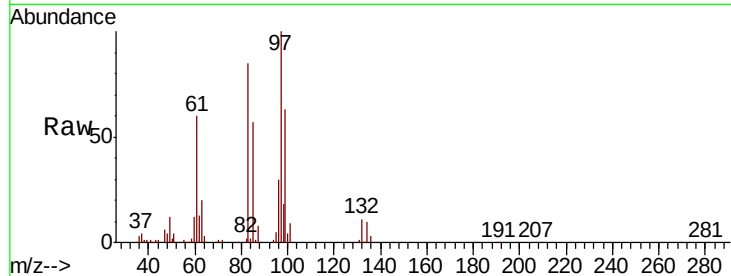
#55
 1,1,2-Trichloroethane
 Concen: 21.461 ug/l
 RT: 10.65 min Scan# 1462
 Delta R.T. 0.01 min
 Lab File: VY000608.D
 Acq: 08 Nov 2019 11:52

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1108SBS01

Tot Ion	97	Resp	52348
Ion	Ratio	Lower	Upper
97	100		
83	84.8	70.2	105.4
85	57.2	46.9	70.3
99	63.5	52.6	78.8

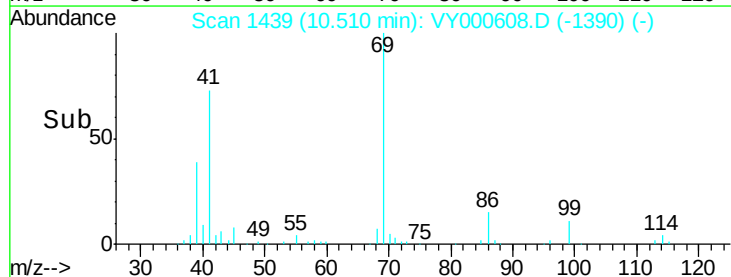
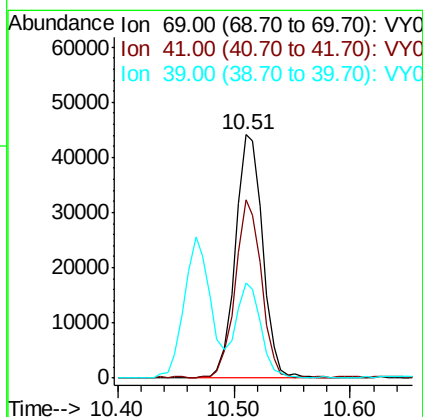
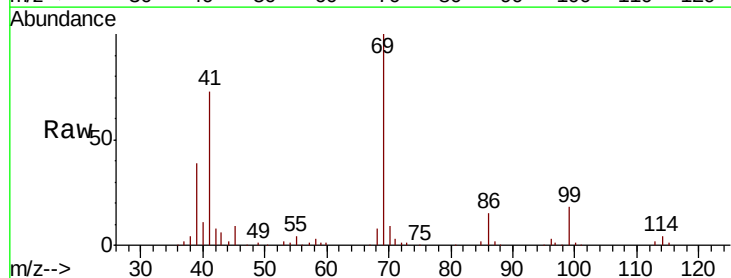
Manual Integrations
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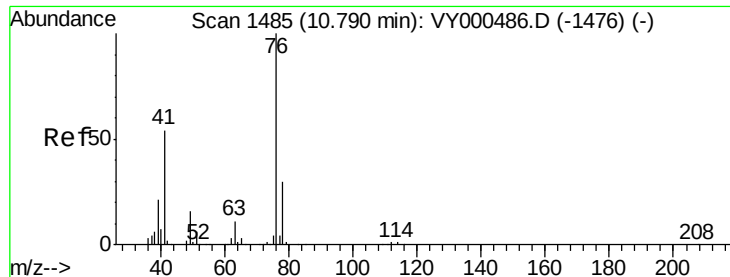
MMDadoda
 11/13/2019 11:05:53 AM



#56
 Ethyl methacrylate
 Concen: 20.803 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. 0.00 min
 Lab File: VY000608.D
 Acq: 08 Nov 2019 11:52

Tgt Ion	69	Resp	71920
Ion	Ratio	Lower	Upper
69	100		
41	69.5	53.3	79.9
39	36.2	28.0	42.0





#57

1,3-Dichloropropane

Concen: 21.056 ug/l

RT: 10.79 min Scan# 1485

Delta R.T. 0.00 min

Lab File: VY000608.D

Acq: 08 Nov 2019 11:52

Instrument :

MSVOA_Y

ClientSampleId :

VY1108SBS01

Tot Ion: 76 Resp: 89889

Ion Ratio Lower Upper

76 100

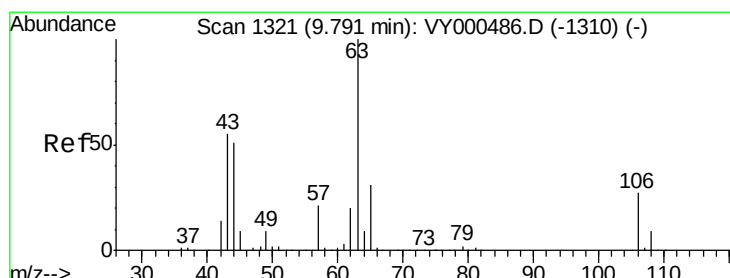
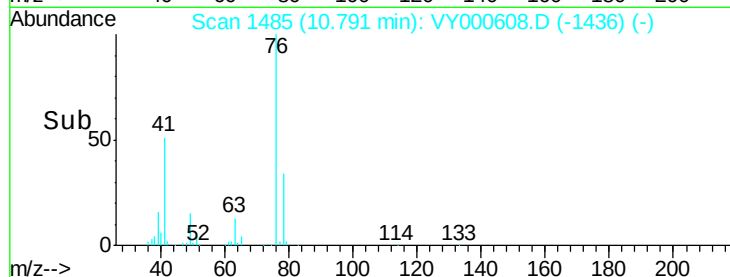
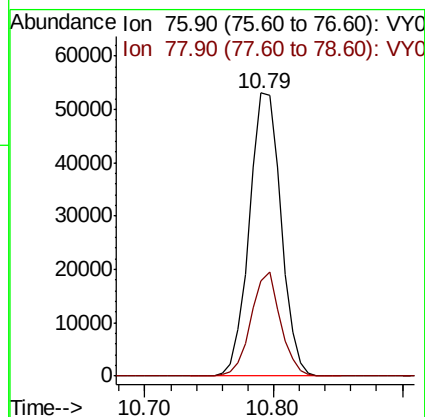
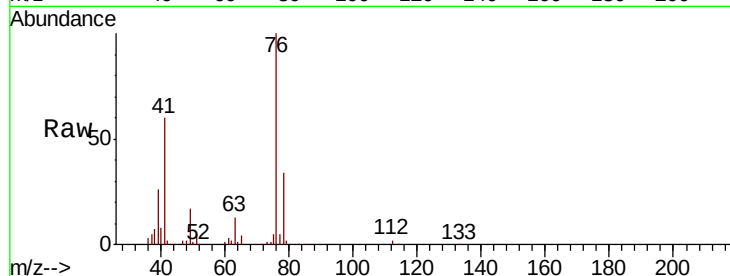
78 34.2 25.2 37.8

Manual Integrations

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MMDadoda

11/13/2019 11:05:53 AM



#58

2-Chloroethyl Vinyl ether

Concen: 107.468 ug/l

RT: 9.79 min Scan# 1321

Delta R.T. 0.00 min

Lab File: VY000608.D

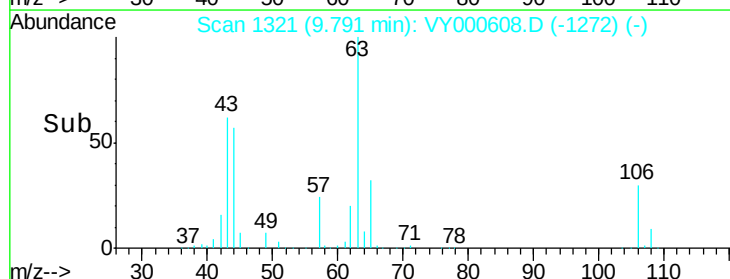
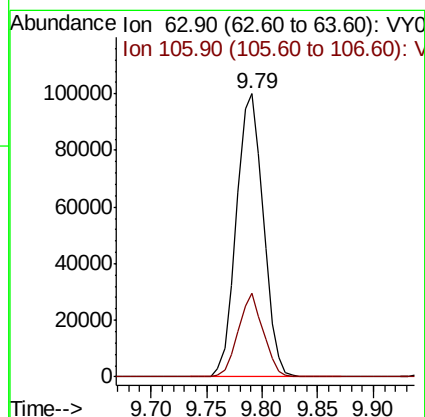
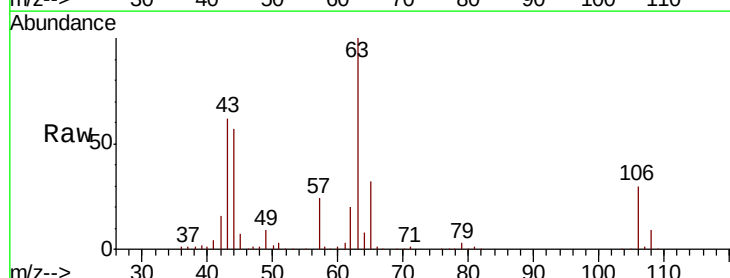
Acq: 08 Nov 2019 11:52

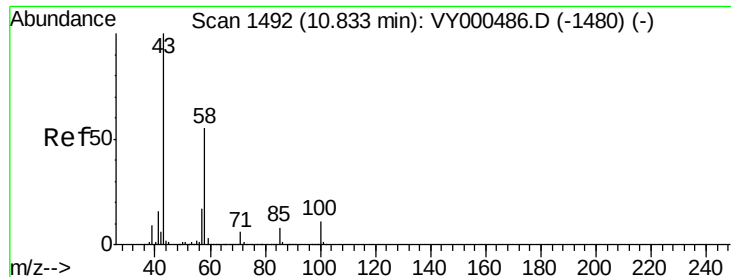
Tgt Ion: 63 Resp: 167966

Ion Ratio Lower Upper

63 100

106 27.3 22.6 33.8





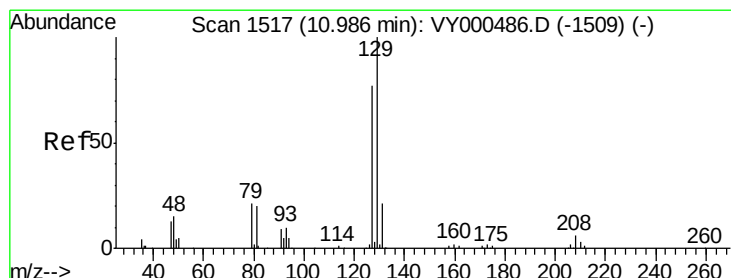
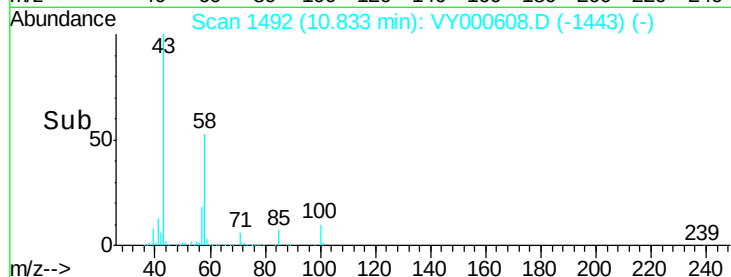
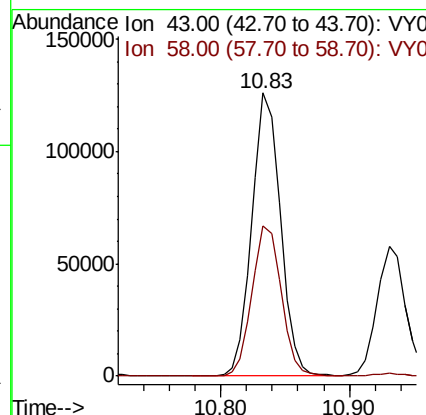
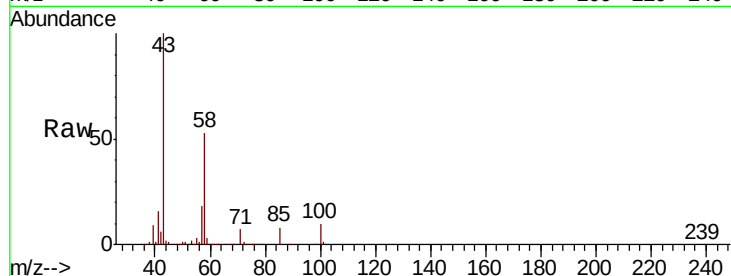
#59
2-Hexanone
Concen: 105.127 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VY000608.D
Acq: 08 Nov 2019 11:52

Instrument :
MSVOA_Y
ClientSampleId :
VY1108SBS01

Tot Ion: 43 Resp: 193012
Ion Ratio Lower Upper
43 100
58 54.5 27.1 81.3

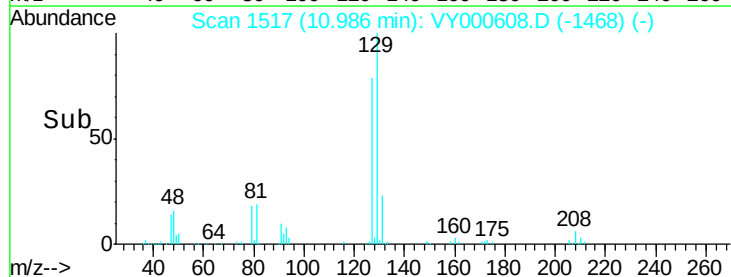
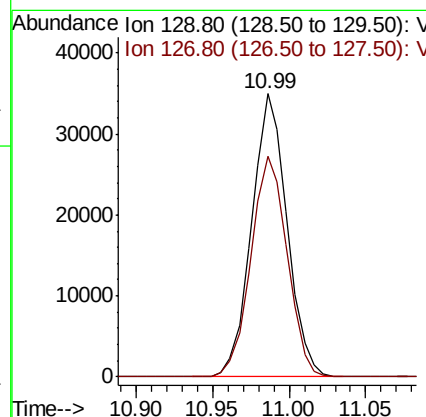
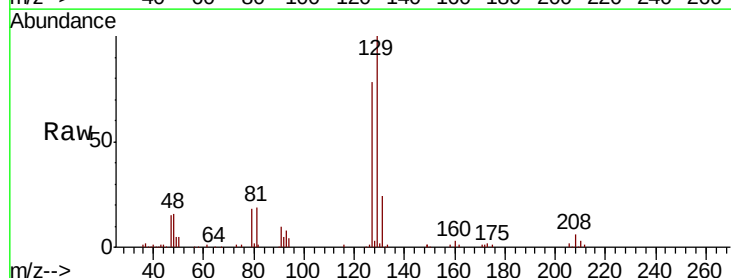
Manual Integrations
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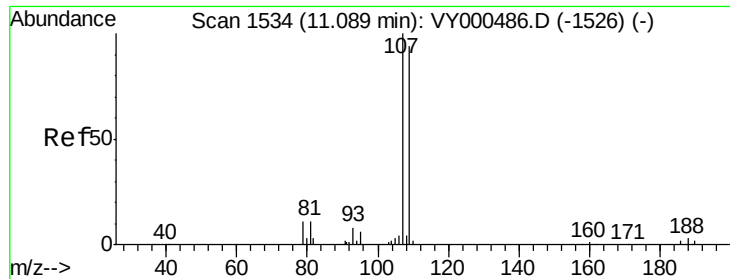
MMDadoda
11/13/2019 11:05:53 AM



#60
Dibromochloromethane
Concen: 20.105 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VY000608.D
Acq: 08 Nov 2019 11:52

Tgt Ion: 129 Resp: 56171
Ion Ratio Lower Upper
129 100
127 80.1 39.1 117.2





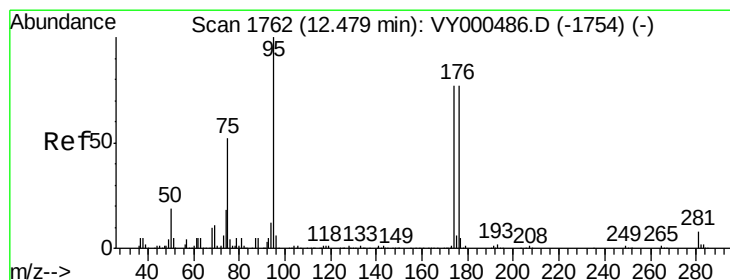
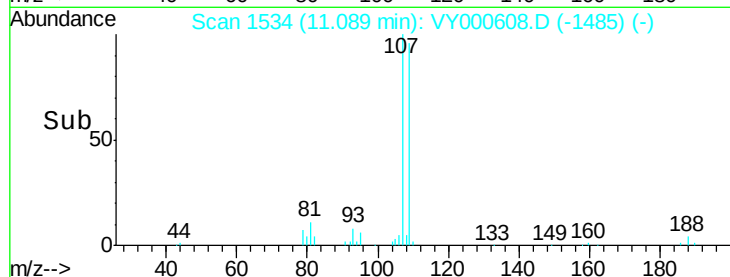
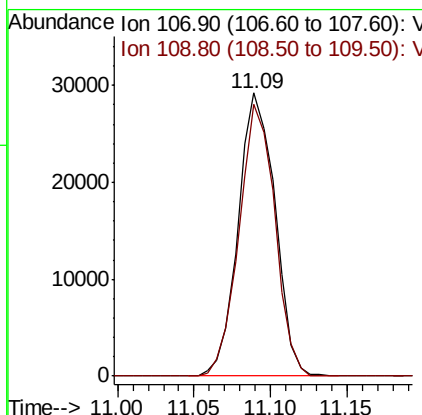
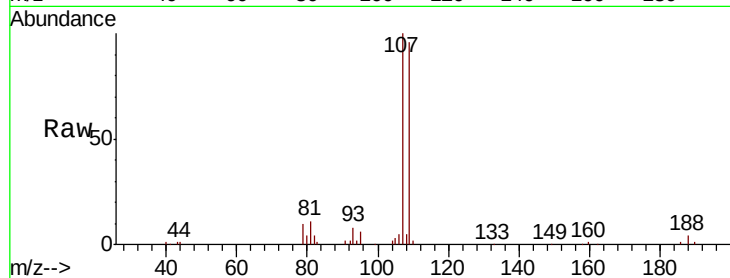
#61
 1,2-Dibromoethane
 Concen: 20.839 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VY000608.D
 Acq: 08 Nov 2019 11:52

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1108SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.3	73.6	110.4

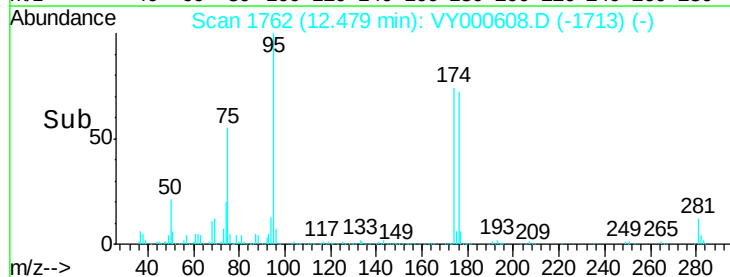
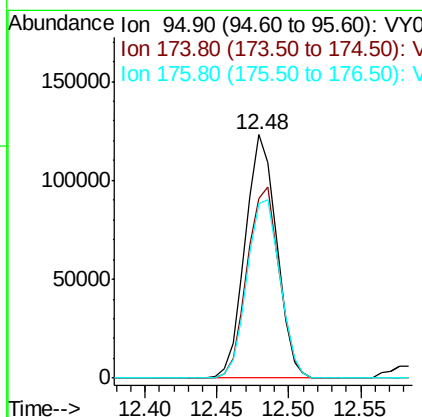
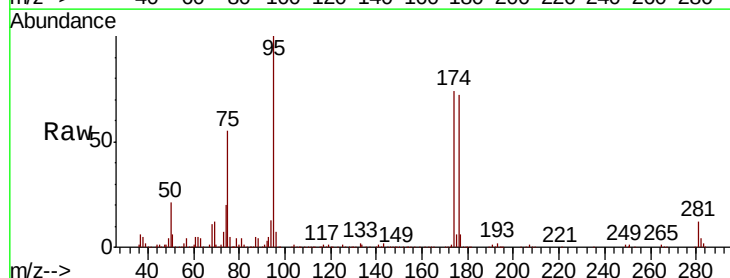
Manual Integrations
 APPROVED

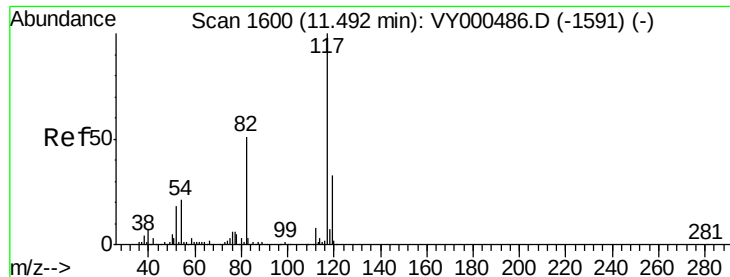
MMDadoda
 11/13/2019 11:05:53 AM



#62
 4-Bromofluorobenzene
 Concen: 48.719 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: VY000608.D
 Acq: 08 Nov 2019 11:52

Tgt Ion	Ratio	Lower	Upper
95	100		
174	79.8	0.0	161.6
176	76.6	0.0	157.8





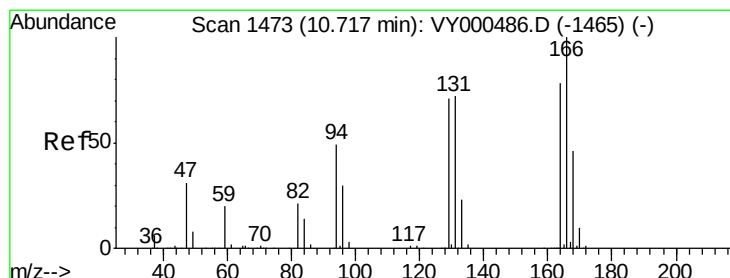
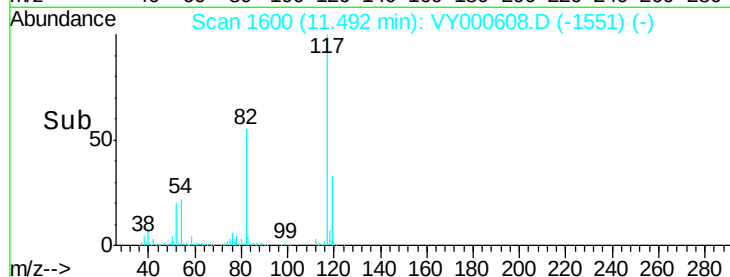
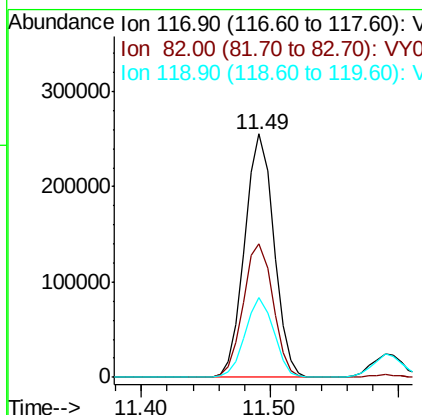
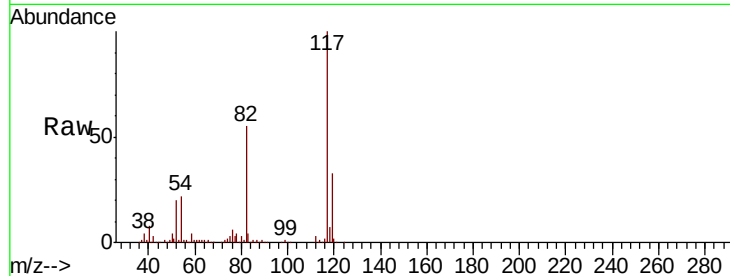
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY000608.D
Acq: 08 Nov 2019 11:52

Instrument :
MSVOA_Y
ClientSampleId :
VY1108SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.0	40.8	61.2
119	32.8	26.2	39.2

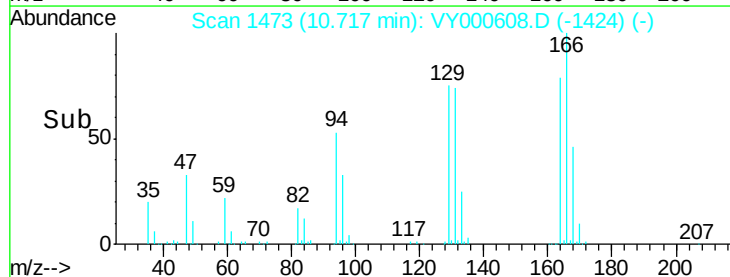
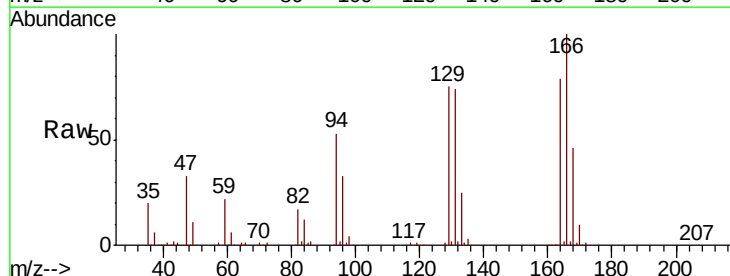
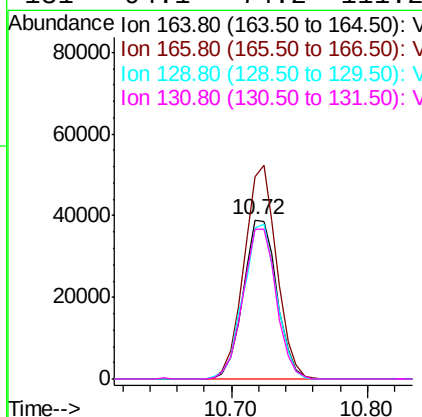
Manual Integrations
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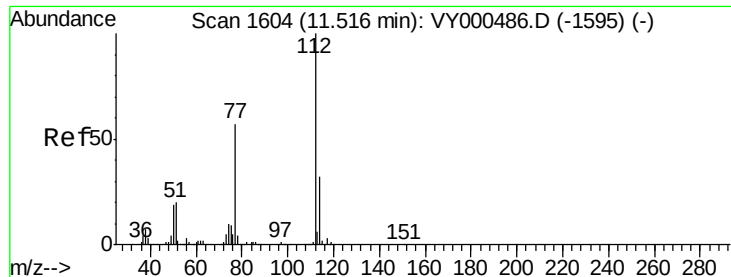
MMDadoda
11/13/2019 11:05:53 AM



#64
Tetrachloroethene
Concen: 20.383 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VY000608.D
Acq: 08 Nov 2019 11:52

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.3	102.7	154.1
129	95.3	73.2	109.8
131	94.1	74.2	111.2





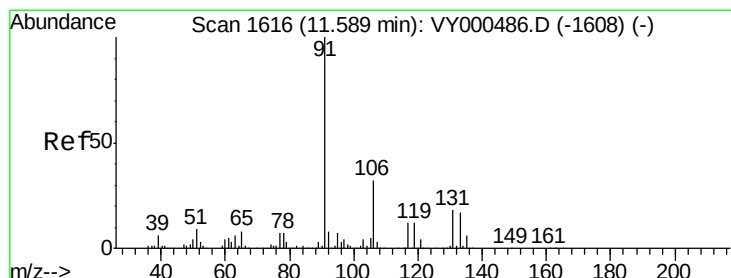
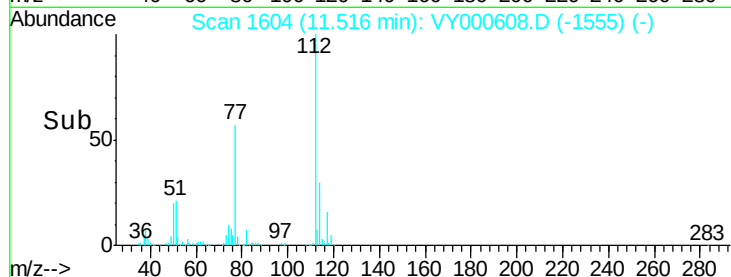
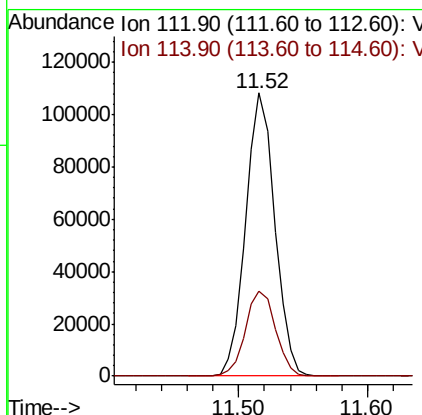
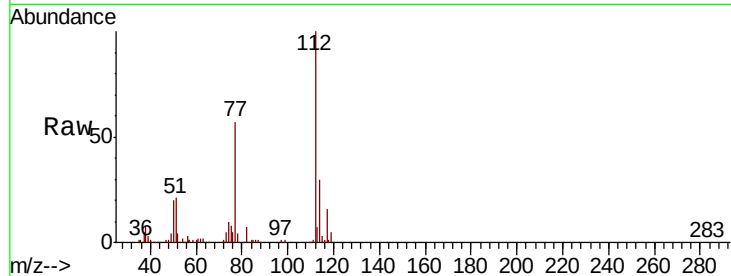
#65
Chlorobenzene
Concen: 20.734 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VY000608.D
Acq: 08 Nov 2019 11:52

Instrument :
MSVOA_Y
ClientSampleId :
VY1108SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	30.0	25.3	37.9

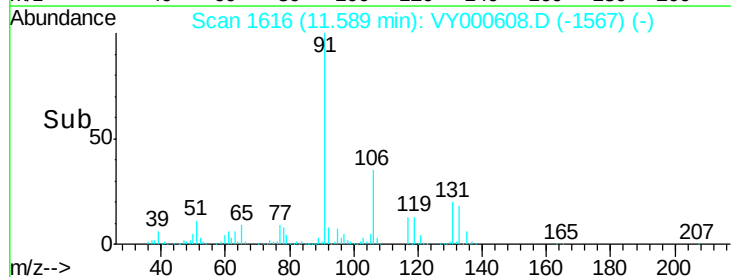
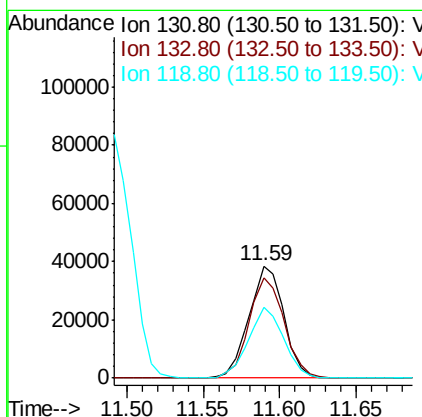
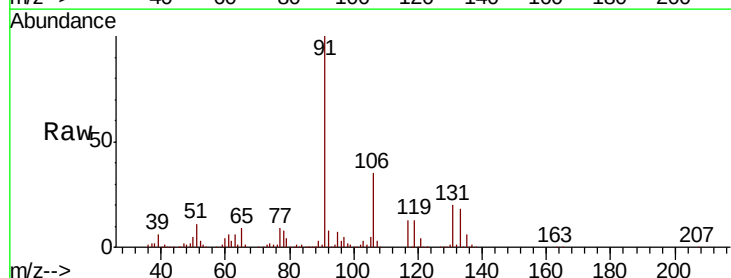
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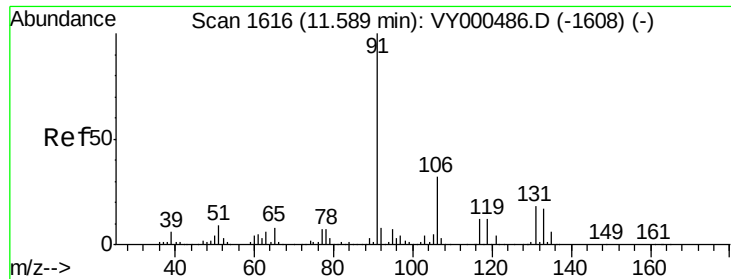
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11/13/2019 11:05:53 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.655 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VY000608.D
Acq: 08 Nov 2019 11:52

Tgt Ion	Ratio	Lower	Upper
131	100		
133	90.8	47.9	143.8
119	64.1	33.1	99.3





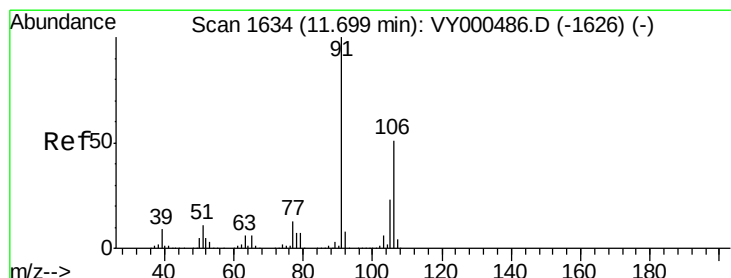
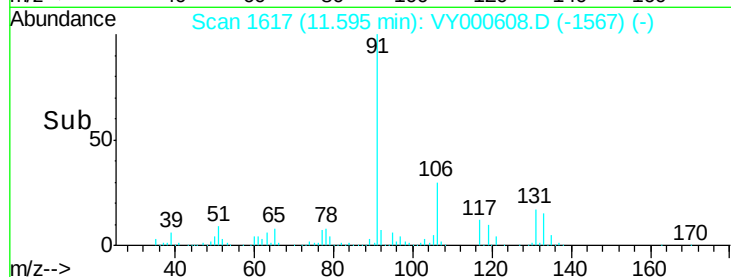
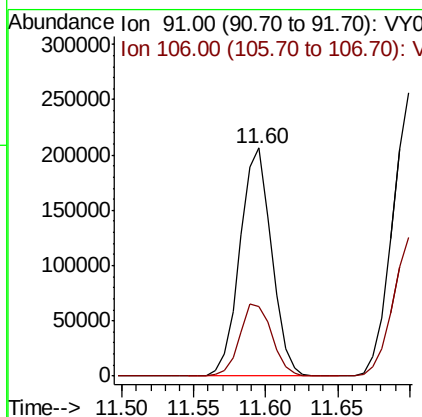
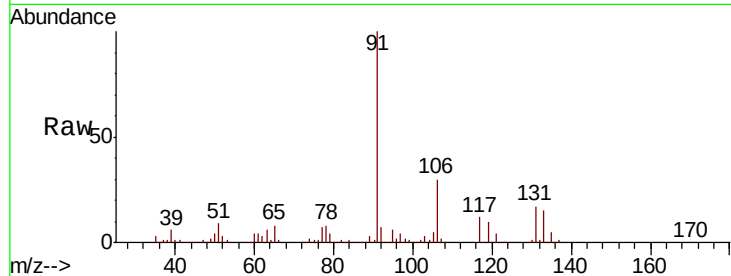
#67
Ethyl Benzene
Concen: 20.985 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. 0.01 min
Lab File: VY000608.D
Acq: 08 Nov 2019 11:52

Instrument :
MSVOA_Y
ClientSampleId :
VY1108SBS01

Tot Ion: 91 Resp: 313750
Ion Ratio Lower Upper
91 100
106 30.4 25.4 38.0

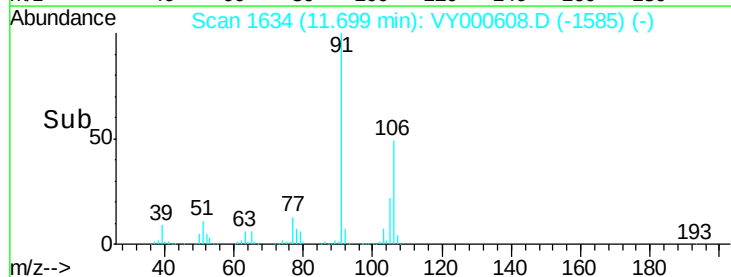
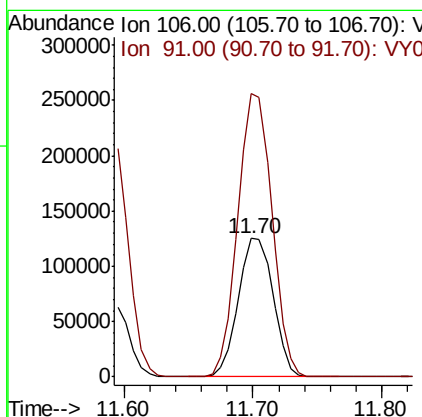
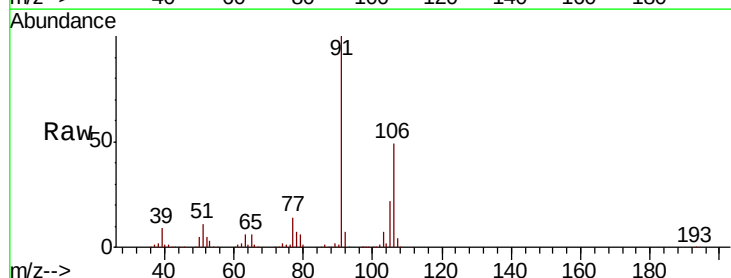
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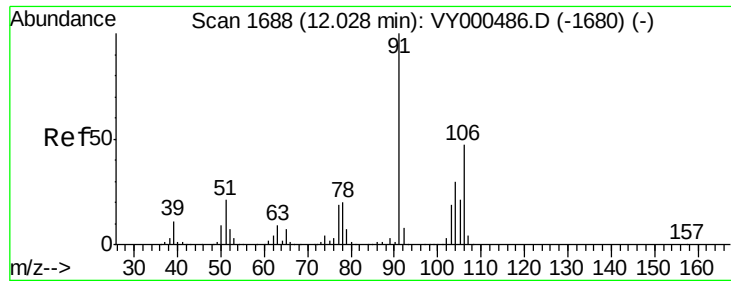
MMDadoda
11/13/2019 11:05:53 AM



#68
m/p-Xylenes
Concen: 40.617 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VY000608.D
Acq: 08 Nov 2019 11:52

Tgt Ion: 106 Resp: 235040
Ion Ratio Lower Upper
106 100
91 200.9 155.9 233.9





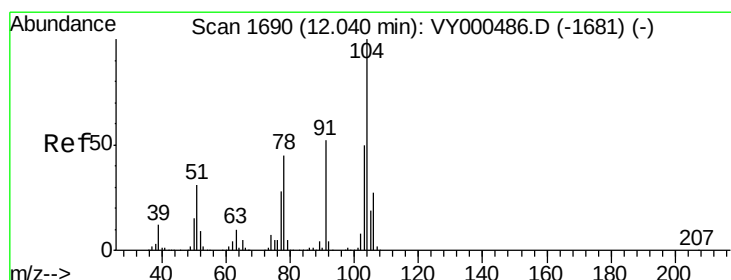
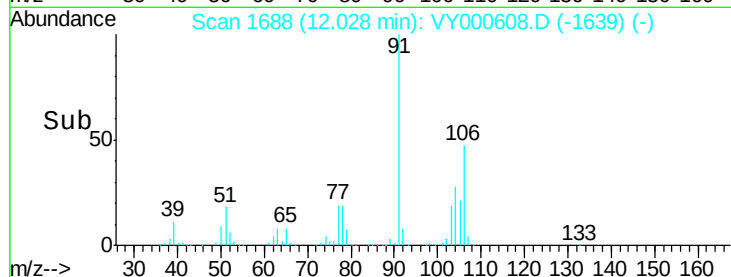
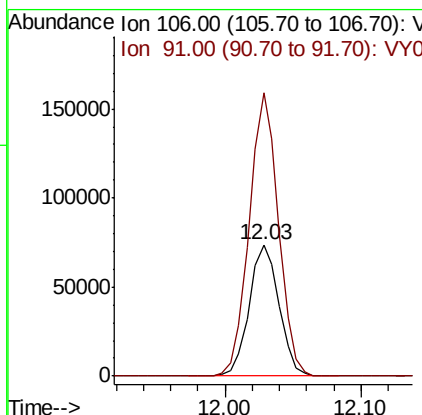
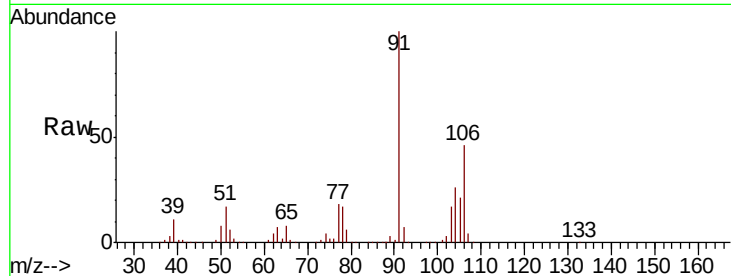
#69
o-Xylene
Concen: 20.790 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VY000608.D
Acq: 08 Nov 2019 11:52

Instrument :
MSVOA_Y
ClientSampleId :
VY1108SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	211.5	106.5	319.6		

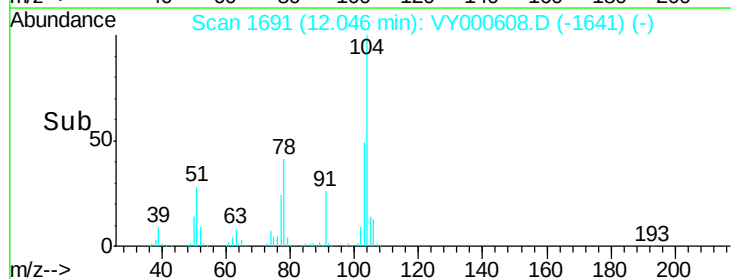
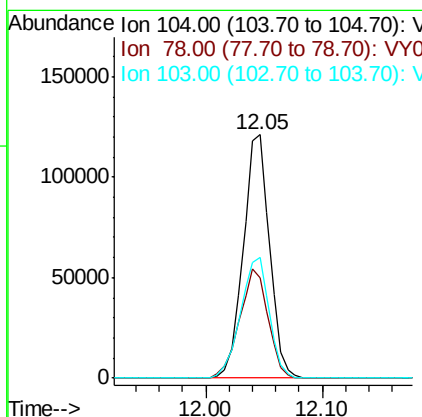
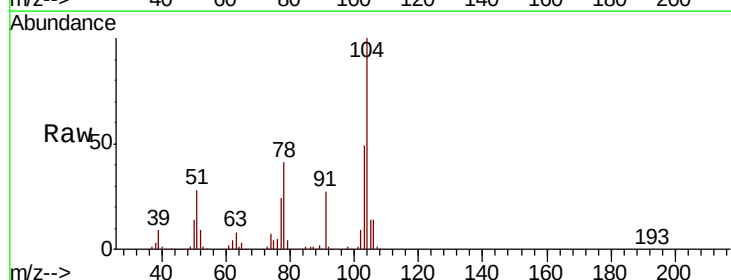
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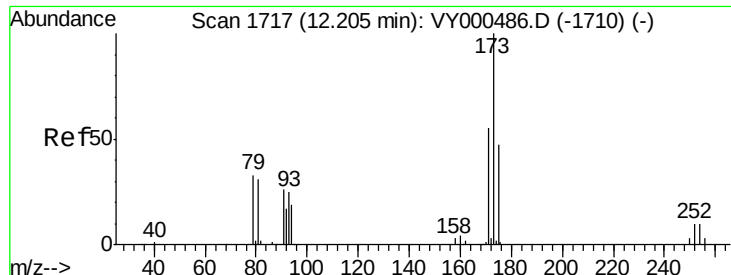
MMDadoda
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#70
Styrene
Concen: 20.491 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. 0.01 min
Lab File: VY000608.D
Acq: 08 Nov 2019 11:52

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	48.6	39.0	58.4		
103	54.0	42.5	63.7		





#71

Bromoform

Concen: 20.393 ug/l

RT: 12.21 min Scan# 1718

Delta R.T. 0.01 min

Lab File: VY000608.D

Acq: 08 Nov 2019 11:52

Instrument :

MSVOA_Y

ClientSampleId :

VY1108SBS01

Tot Ion:173 Resp: 33047

Ion Ratio Lower Upper

173 100

175 50.1 24.4 73.2

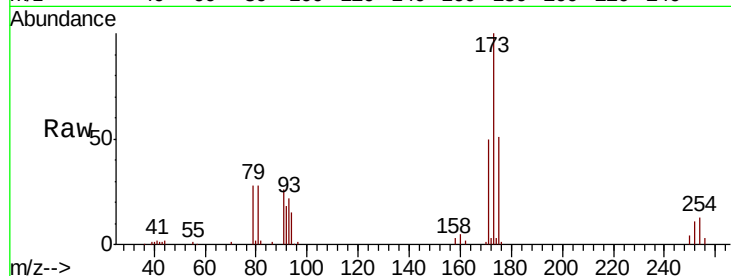
254 0.0 0.1 0.1#

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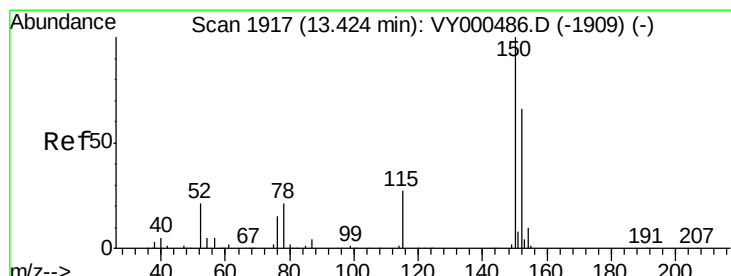
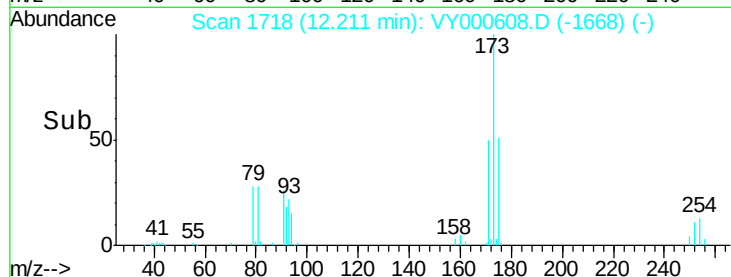
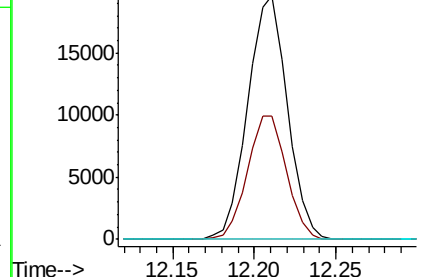
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Abundance Ion 172.70 (172.40 to 173.40): V

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: VY000608.D

Acq: 08 Nov 2019 11:52

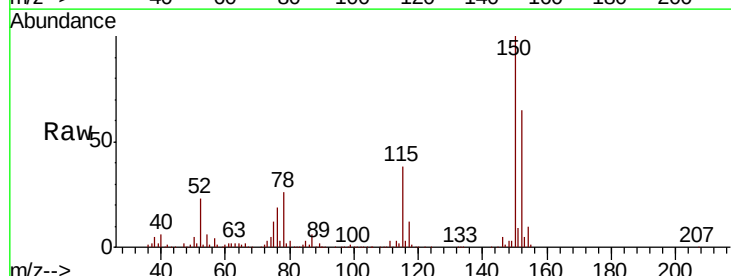
Tgt Ion:152 Resp: 195293

Ion Ratio Lower Upper

152 100

115 59.2 29.1 87.4

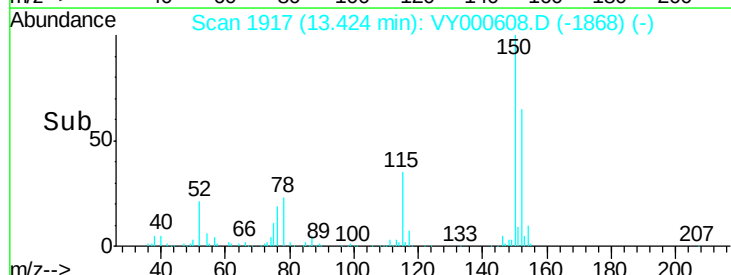
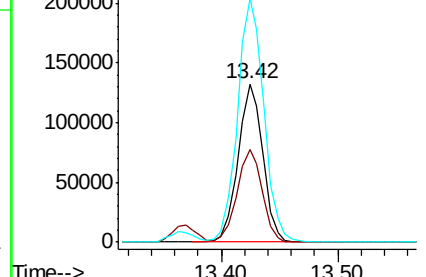
150 163.3 0.0 348.8

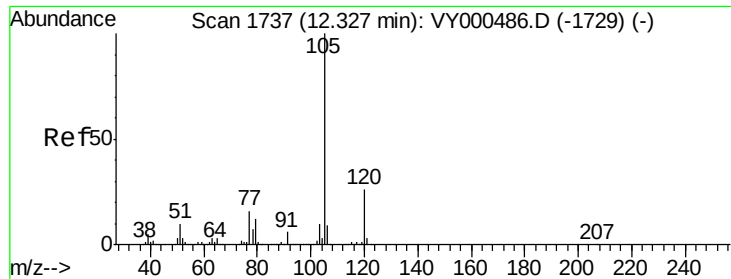


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





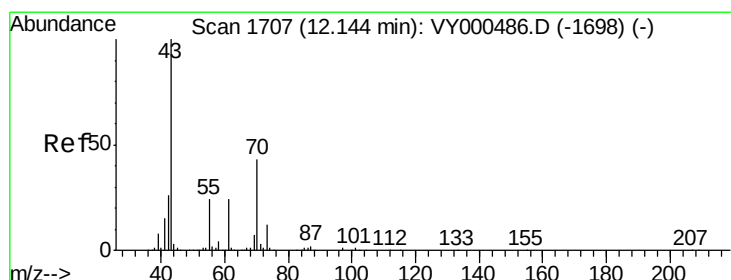
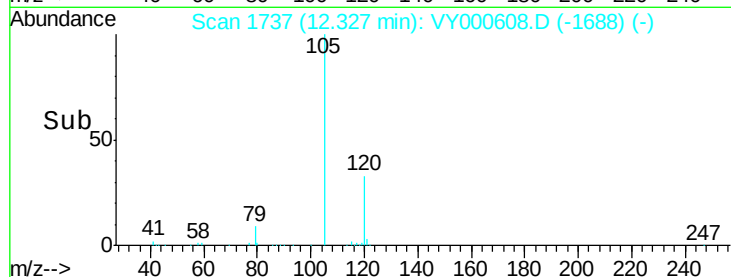
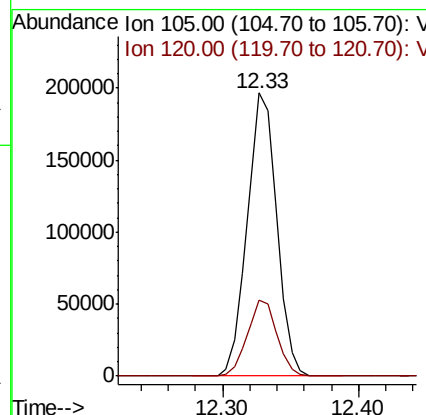
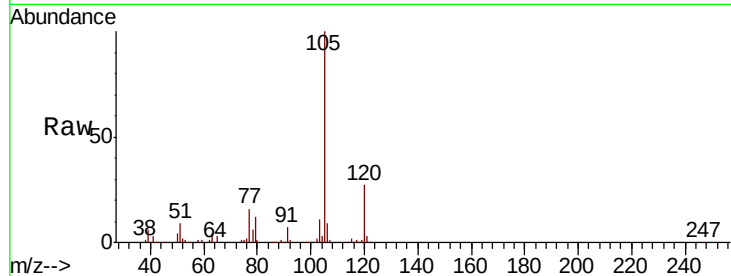
#73
Isopropylbenzene
Concen: 20.720 ug/l
RT: 12.33 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VY000608.D
Acq: 08 Nov 2019 11:52

Instrument :
MSVOA_Y
ClientSampleId :
VY1108SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.9	13.5	40.4

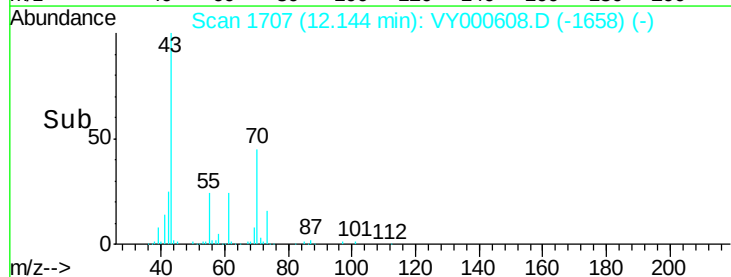
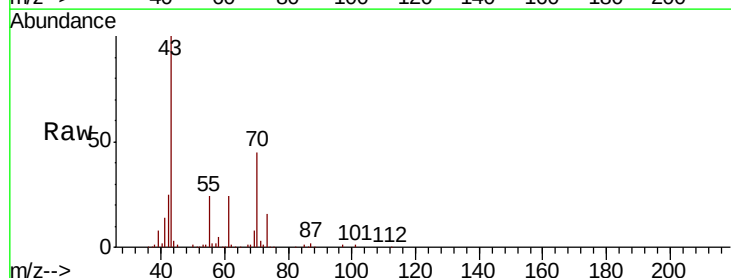
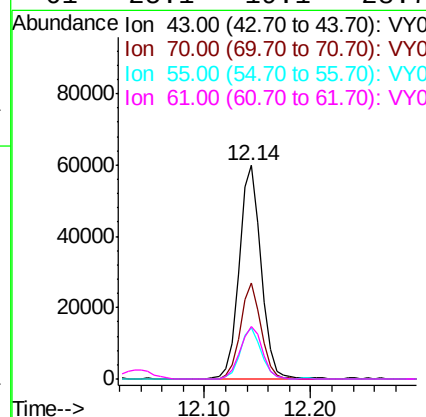
Manual Integrations
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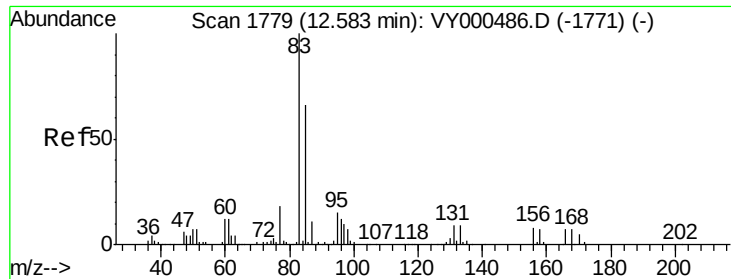
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11/13/2019 11:05:53 AM



#74
N-ethyl acetate
Concen: 20.931 ug/l
RT: 12.14 min Scan# 1707
Delta R.T. 0.00 min
Lab File: VY000608.D
Acq: 08 Nov 2019 11:52

Tgt Ion	Ratio	Lower	Upper
43	100		
70	42.7	33.1	49.7
55	23.1	18.0	27.0
61	25.1	19.1	28.7





#75

1,1,2,2-Tetrachloroethane

Concen: 21.018 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VY000608.D

Acq: 08 Nov 2019 11:52

Instrument :

MSVOA_Y

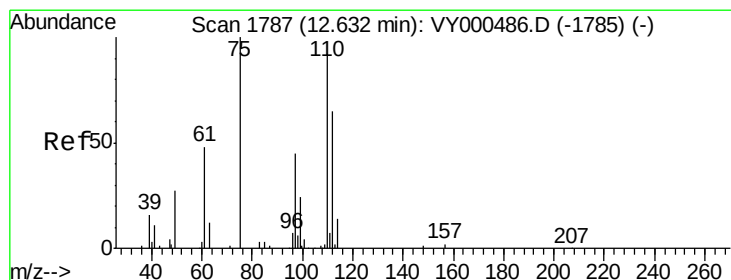
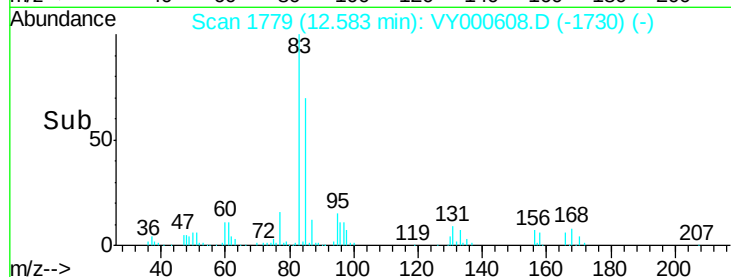
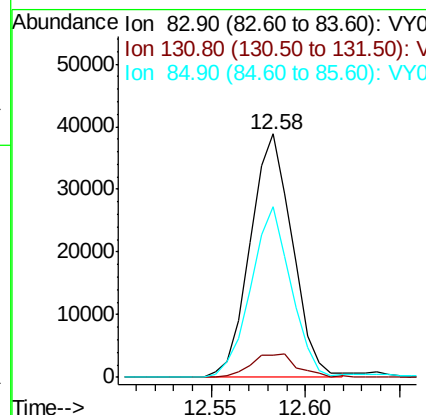
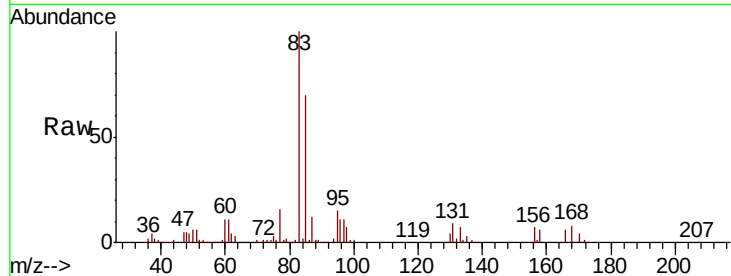
ClientSampleId :

VY1108SBS01

Tot Ion:	83	Resp:	60067
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.0	14.9
85	67.0	32.3	96.9

Manual Integrations
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11/13/2019 11:05:53 AM



#76

1,2,3-Trichloropropane

Concen: 16.964 ug/l m

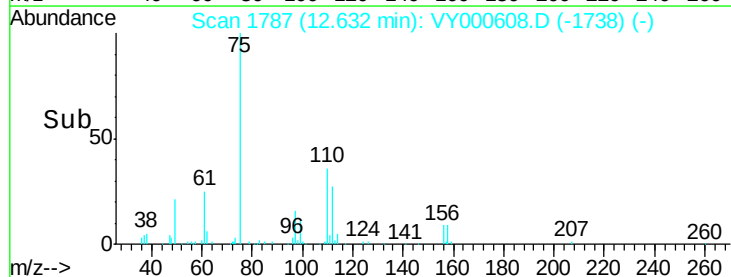
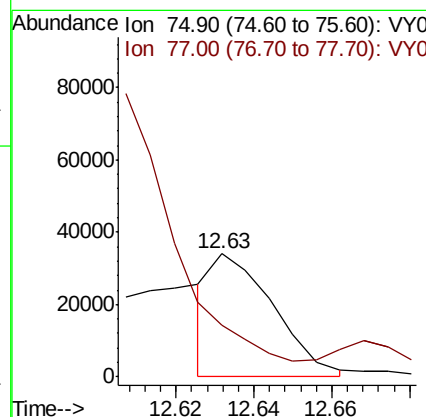
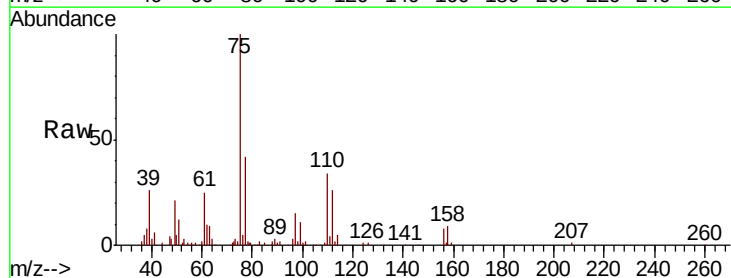
RT: 12.63 min Scan# 1787

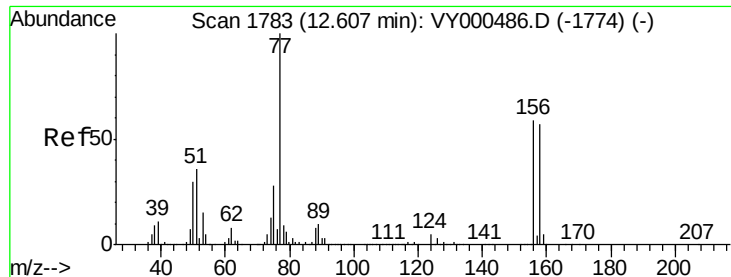
Delta R.T. 0.00 min

Lab File: VY000608.D

Acq: 08 Nov 2019 11:52

Tgt Ion:	75	Resp:	37723
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.618 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VY000608.D

Acq: 08 Nov 2019 11:52

Instrument :

MSVOA_Y

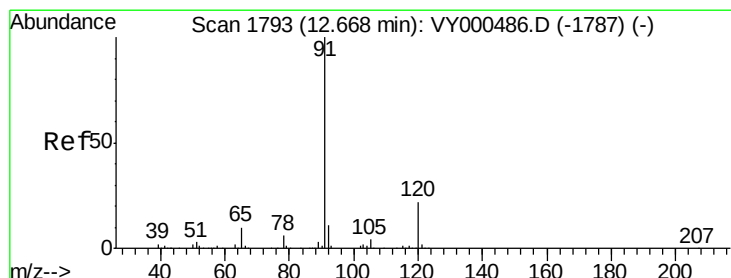
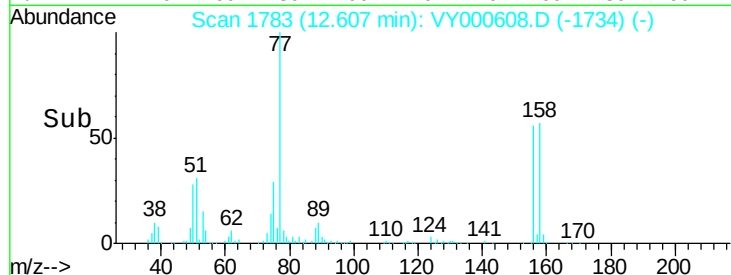
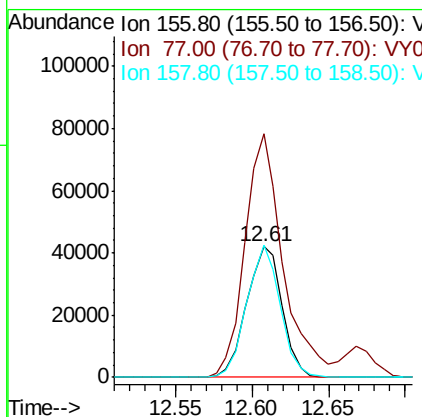
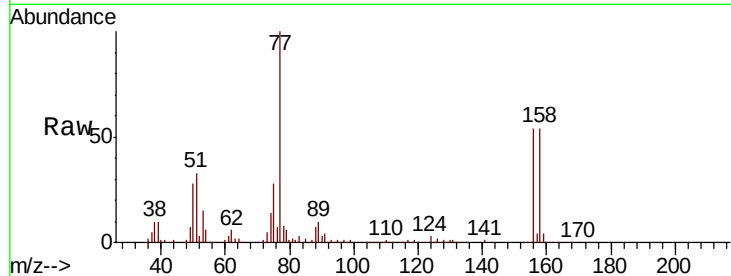
ClientSampleId :

VY1108SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	199.9	98.2	294.4
158	95.3	49.6	149.0

Manual Integrations
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#78

n-propylbenzene

Concen: 21.128 ug/l

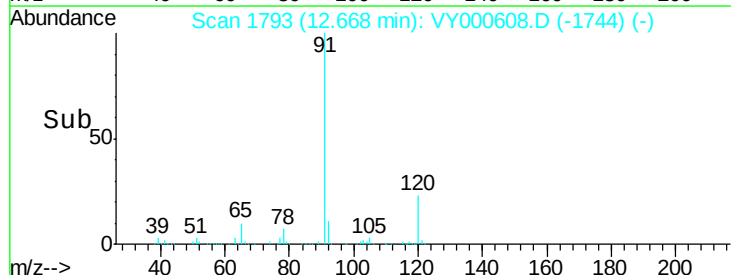
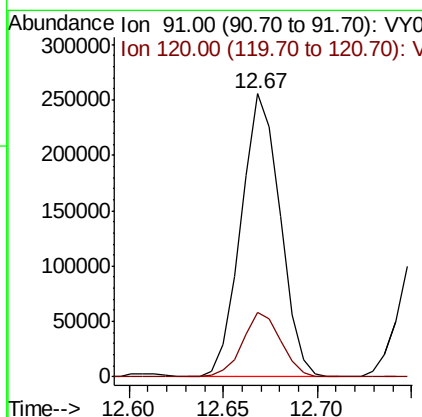
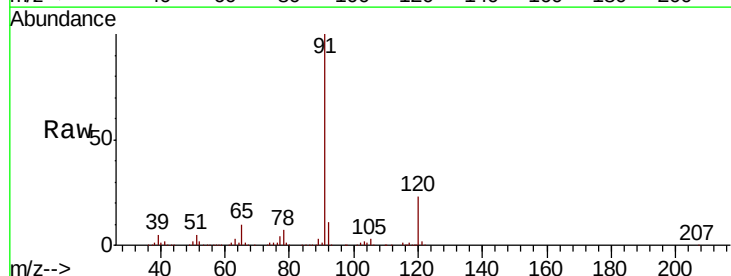
RT: 12.67 min Scan# 1793

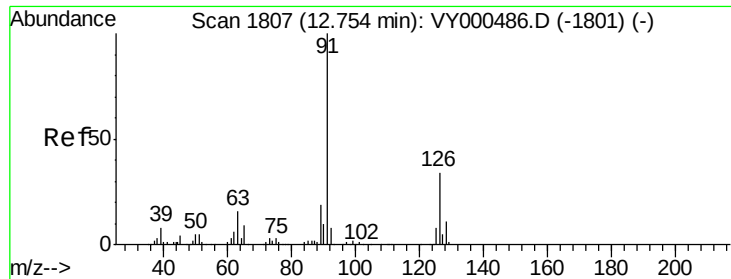
Delta R.T. 0.00 min

Lab File: VY000608.D

Acq: 08 Nov 2019 11:52

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.4	34.1





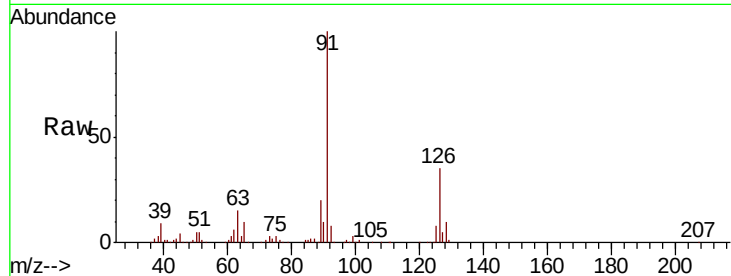
#79
 2-Chlorotoluene
 Concen: 20.958 ug/l
 RT: 12.75 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VY000608.D
 Acq: 08 Nov 2019 11:52

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1108SBS01

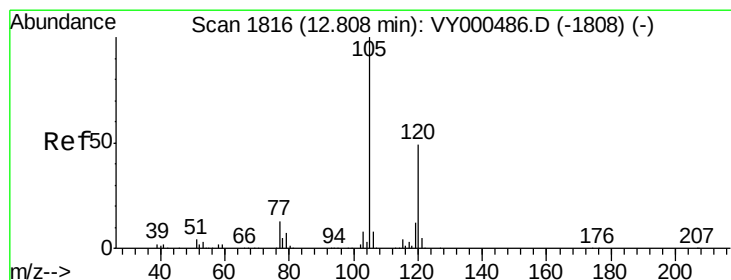
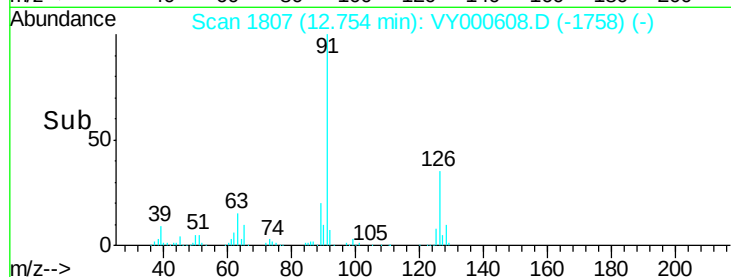
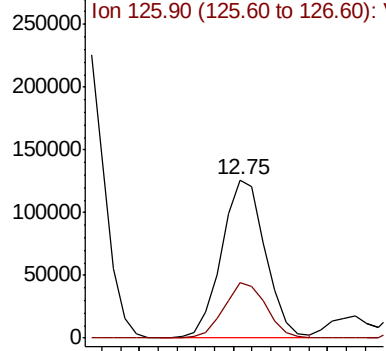
Tot Ion: 91 Resp: 202623
 Ion Ratio Lower Upper
 91 100
 126 34.0 17.7 53.1

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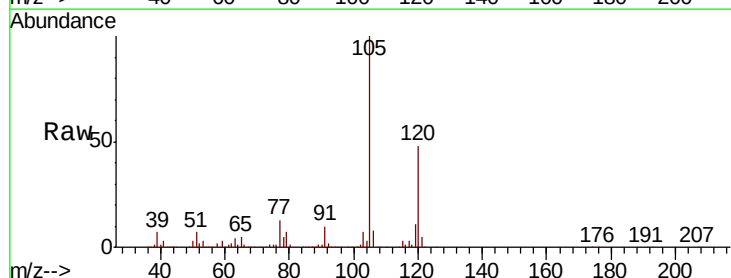


Abundance Ion 91.00 (90.70 to 91.70): VY000486.D (-1801) (-)
 Ion 125.90 (125.60 to 126.60): VY000486.D (-1801) (-)

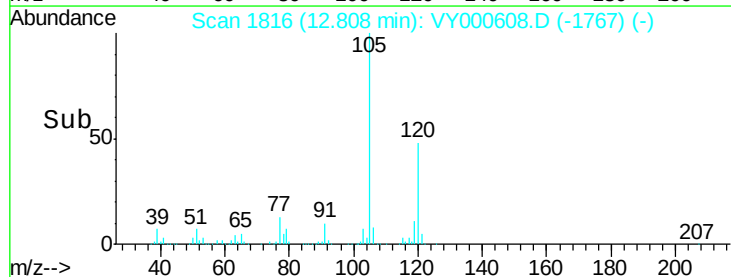
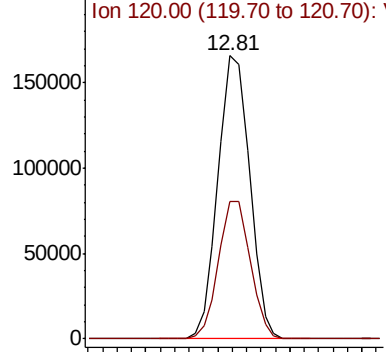


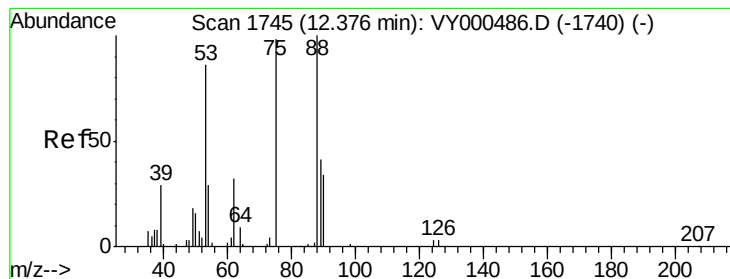
#80
 1,3,5-Trimethylbenzene
 Concen: 21.154 ug/l
 RT: 12.81 min Scan# 1816
 Delta R.T. 0.00 min
 Lab File: VY000608.D
 Acq: 08 Nov 2019 11:52

Tgt Ion: 105 Resp: 254295
 Ion Ratio Lower Upper
 105 100
 120 48.6 24.9 74.8



Abundance Ion 105.00 (104.70 to 105.70): VY000486.D (-1808) (-)
 Ion 120.00 (119.70 to 120.70): VY000486.D (-1808) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 20.001 ug/l

RT: 12.38 min Scan# 1746

Delta R.T. 0.01 min

Lab File: VY000608.D

Acq: 08 Nov 2019 11:52

Instrument :

MSVOA_Y

ClientSampleId :

VY1108SBS01

Tot Ion: 75 Resp: 19836

Ion Ratio Lower Upper

75 100

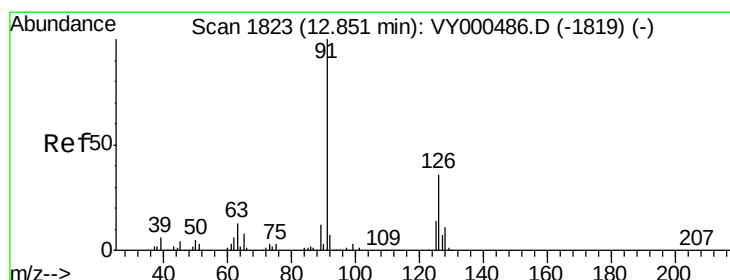
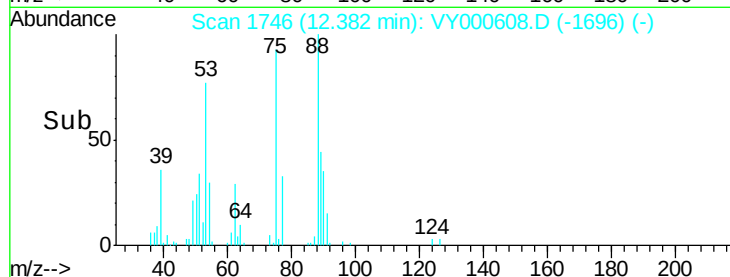
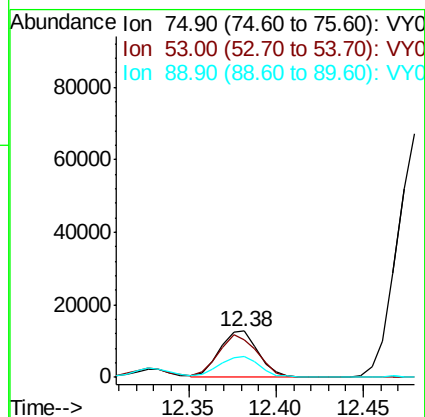
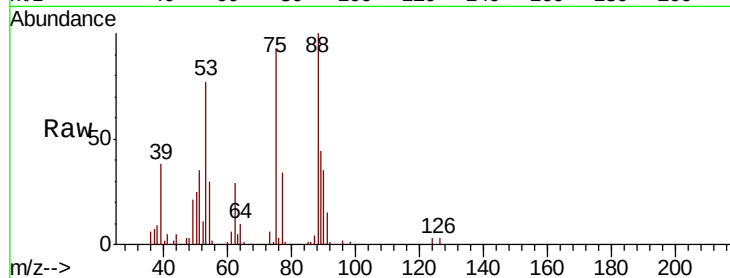
53 92.9 73.2 109.8

89 47.6 35.9 53.9

Manual Integrations
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#82

4-Chlorotoluene

Concen: 21.203 ug/l

RT: 12.86 min Scan# 1824

Delta R.T. 0.01 min

Lab File: VY000608.D

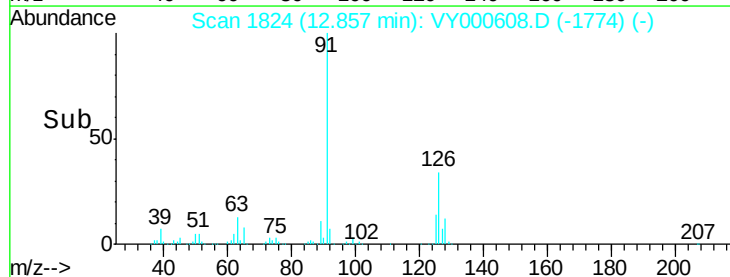
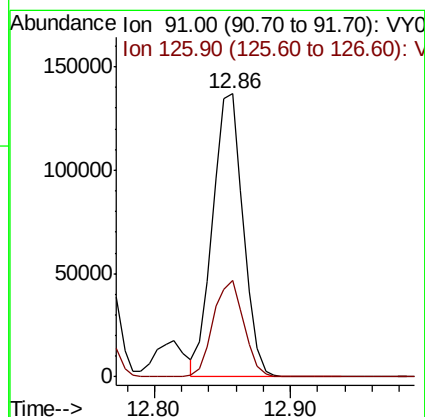
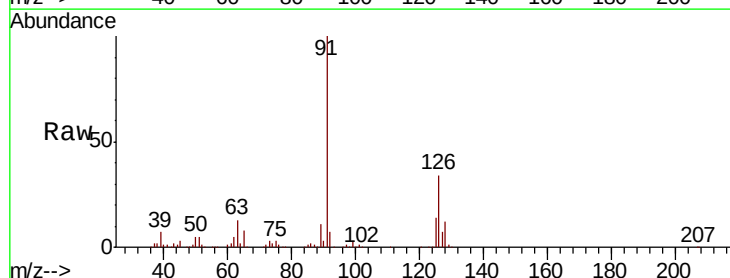
Acq: 08 Nov 2019 11:52

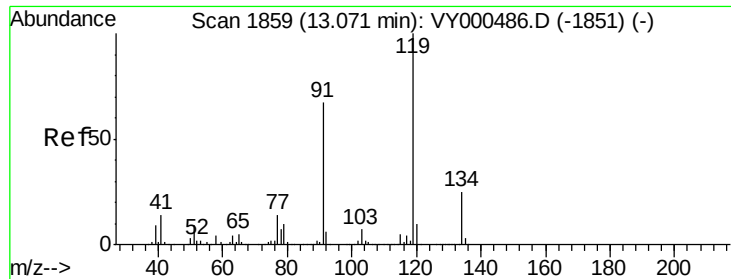
Tgt Ion: 91 Resp: 212491

Ion Ratio Lower Upper

91 100

126 34.2 17.6 52.9





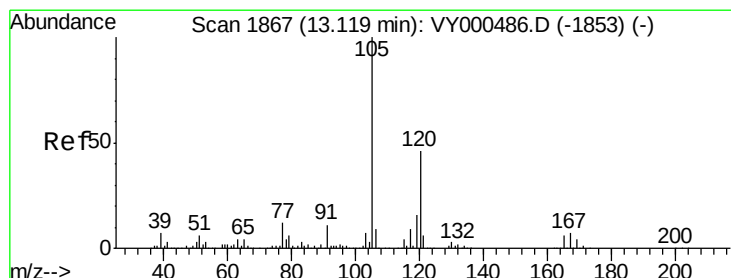
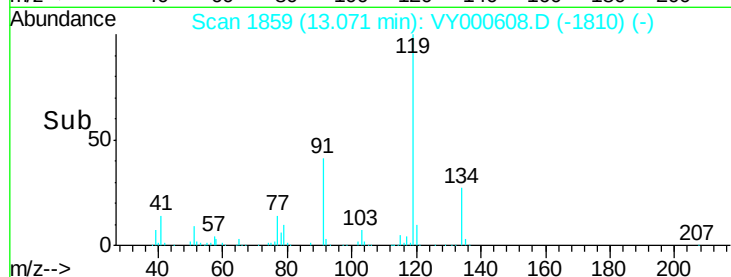
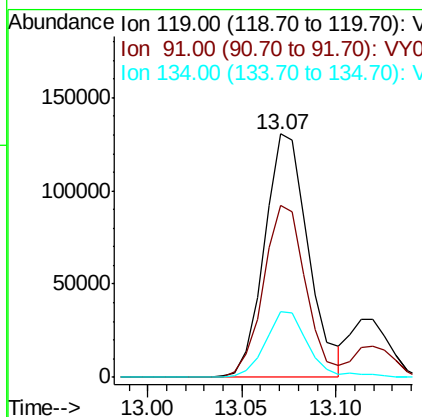
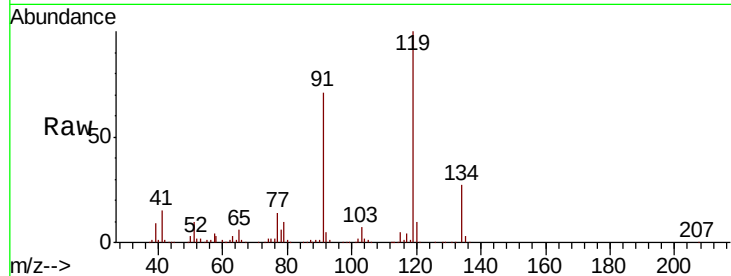
#83
 tert-Butylbenzene
 Concen: 20.526 ug/l
 RT: 13.07 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VY000608.D
 Acq: 08 Nov 2019 11:52

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1108SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	210682		
91	68.3		32.1	96.3
134	26.7		13.2	39.5

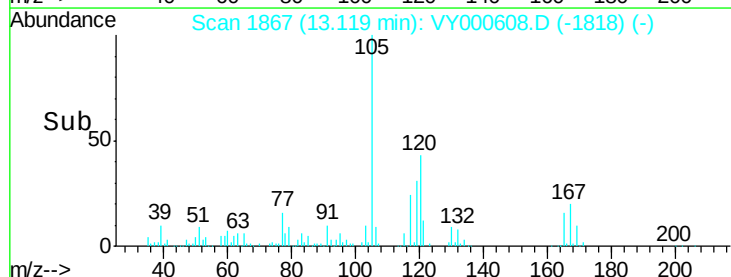
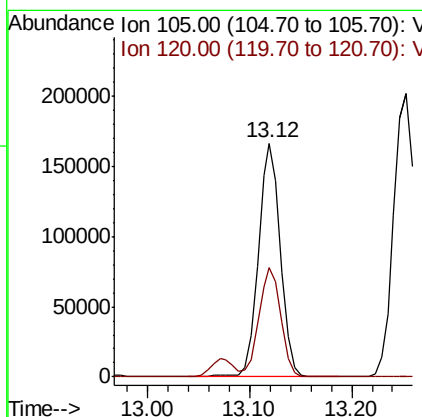
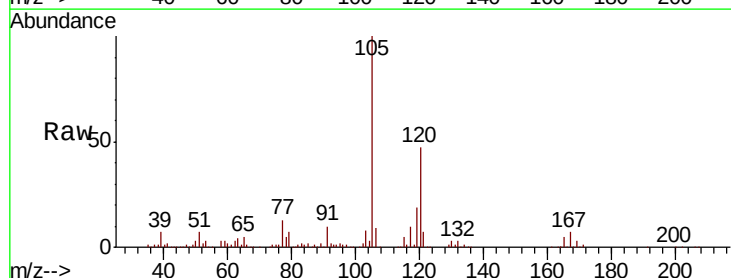
Manual Integrations
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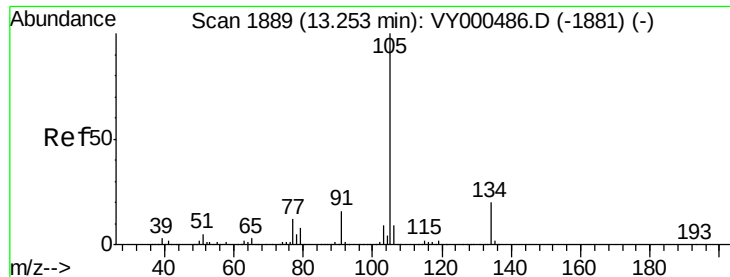
MMDadoda
 11/13/2019 11:05:53 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.919 ug/l
 RT: 13.12 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VY000608.D
 Acq: 08 Nov 2019 11:52

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	250383		
120	46.7		23.3	69.9





#85

sec-Butylbenzene

Concen: 20.648 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. 0.00 min

Lab File: VY000608.D

Acq: 08 Nov 2019 11:52

Instrument :

MSVOA_Y

ClientSampleId :

VY1108SBS01

Tot Ion:105 Resp: 301939

Ion Ratio Lower Upper

105 100

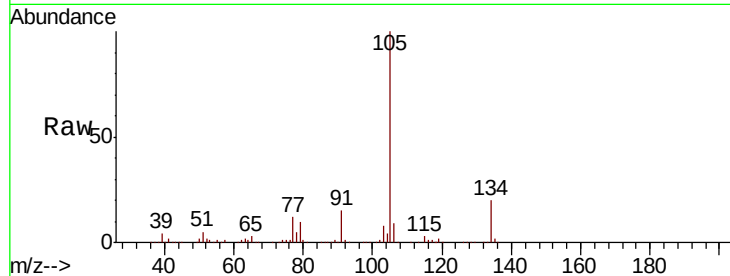
134 20.2 10.1 30.1

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.25

200000

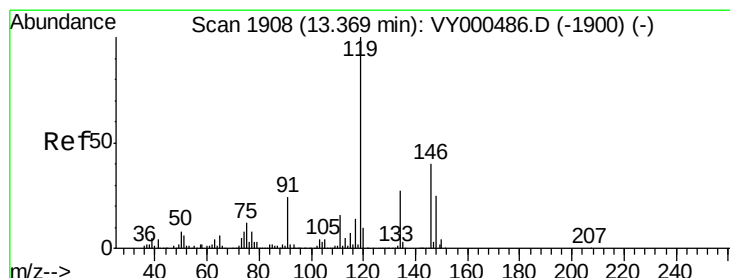
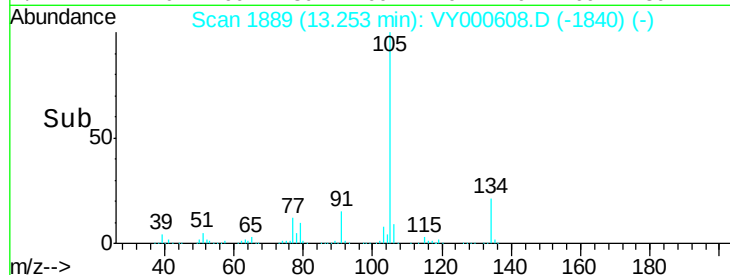
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 20.821 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. 0.00 min

Lab File: VY000608.D

Acq: 08 Nov 2019 11:52

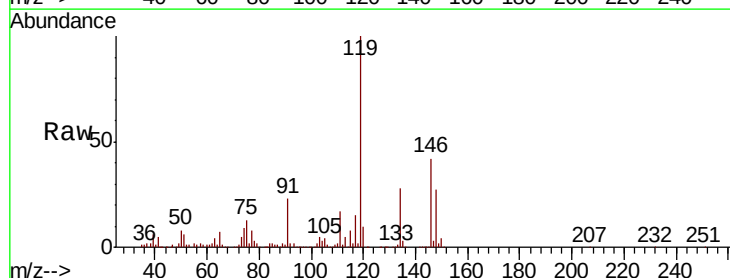
Tgt Ion:119 Resp: 271363

Ion Ratio Lower Upper

119 100

134 26.4 13.6 40.8

91 23.7 12.0 36.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0

250000

200000

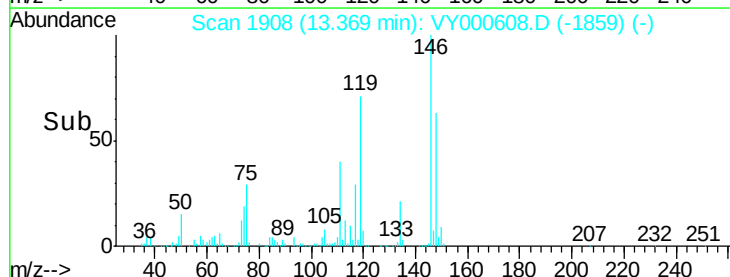
150000

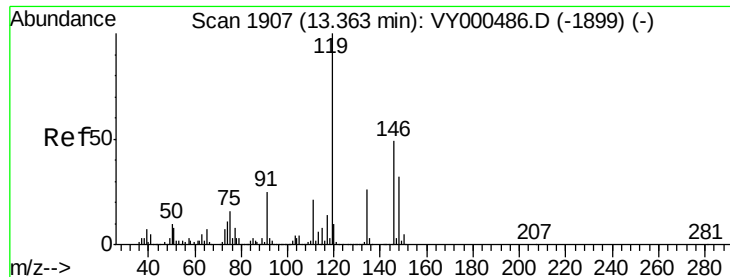
100000

50000

0

Time-->





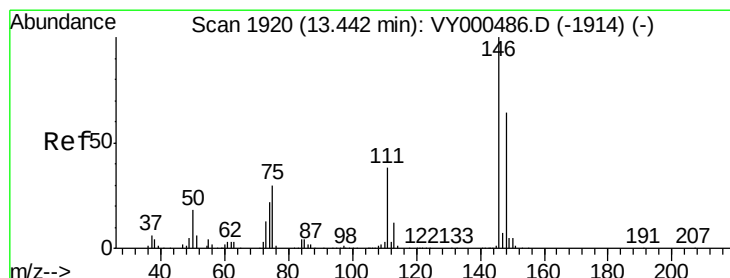
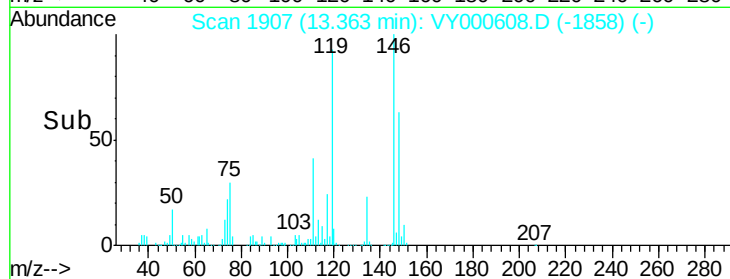
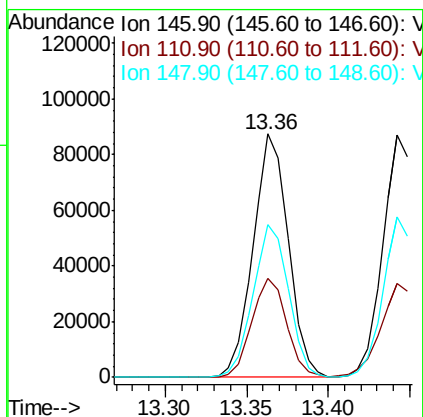
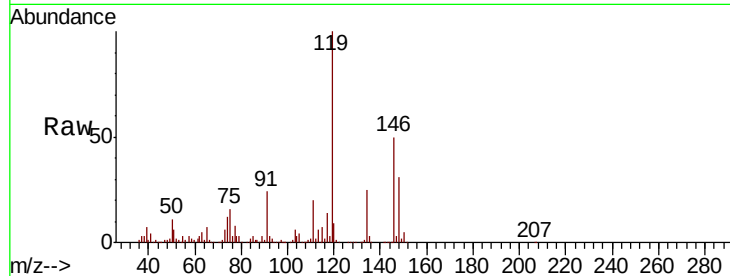
#87
 1,3-Dichlorobenzene
 Concen: 20.466 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. 0.00 min
 Lab File: VY000608.D
 Acq: 08 Nov 2019 11:52

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1108SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.3	60.8
148	63.1	31.5	94.5

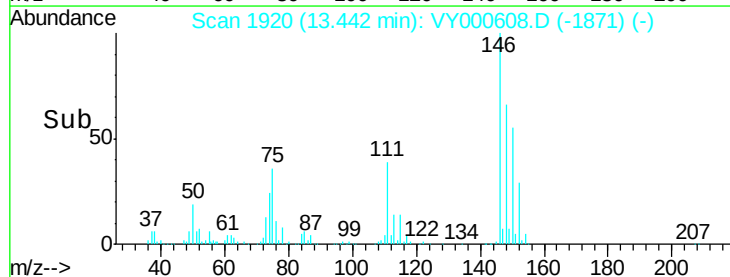
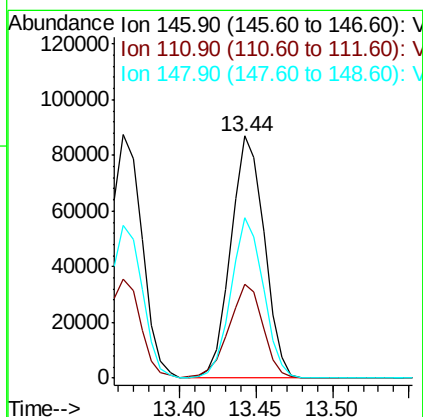
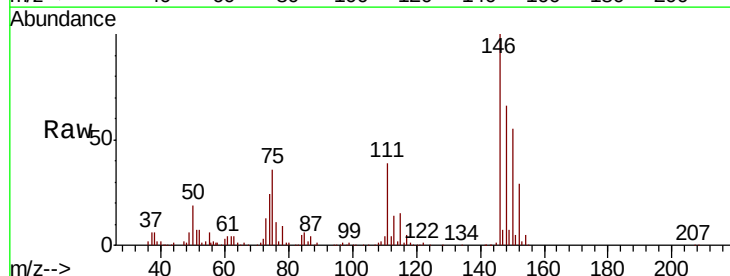
Manual Integrations
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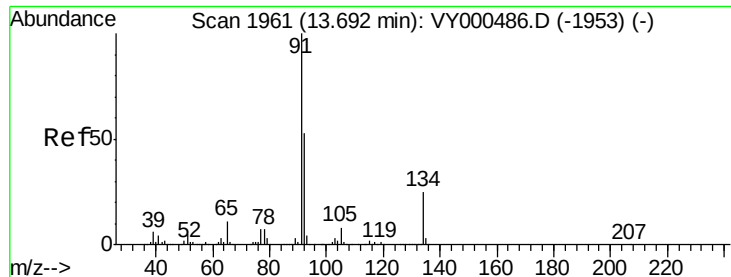
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#88
 1,4-Dichlorobenzene
 Concen: 20.574 ug/l
 RT: 13.44 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VY000608.D
 Acq: 08 Nov 2019 11:52

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.7	59.0
148	64.4	31.9	95.7





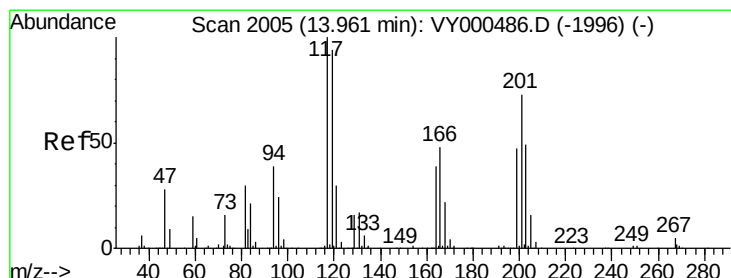
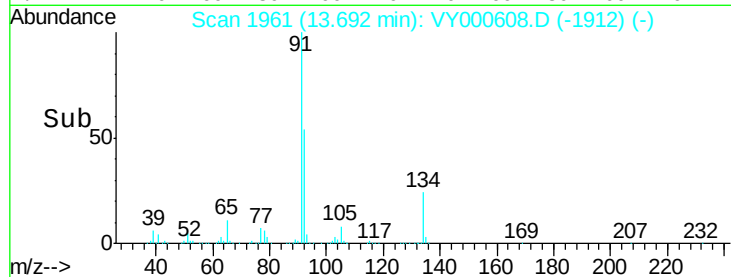
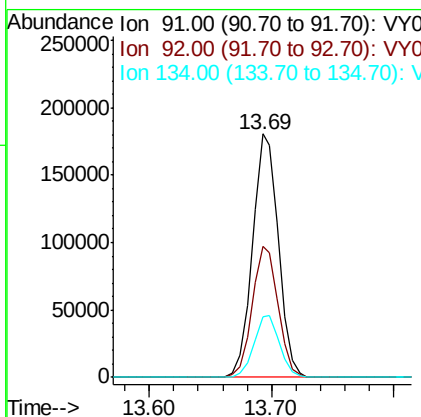
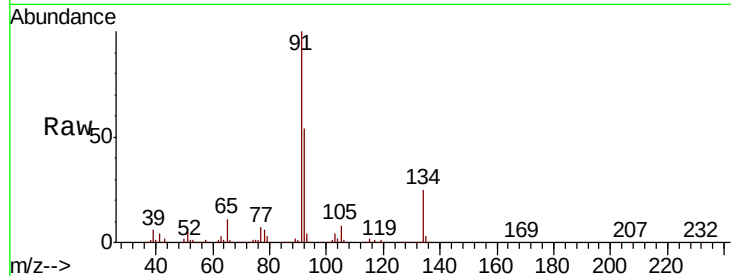
#89
n-Butylbenzene
Concen: 20.656 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. 0.00 min
Lab File: VY000608.D
Acq: 08 Nov 2019 11:52

Instrument :
MSVOA_Y
ClientSampleId :
VY1108SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.8	26.8	80.3
134	25.3	12.9	38.7

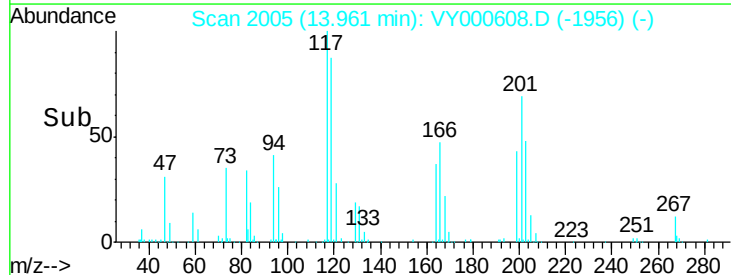
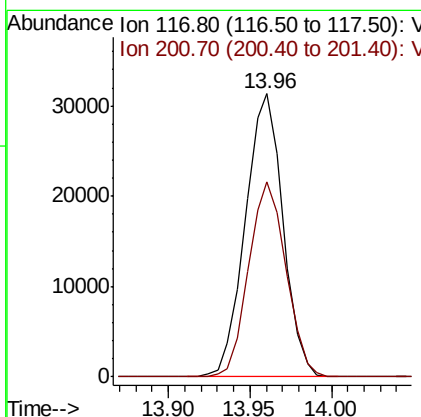
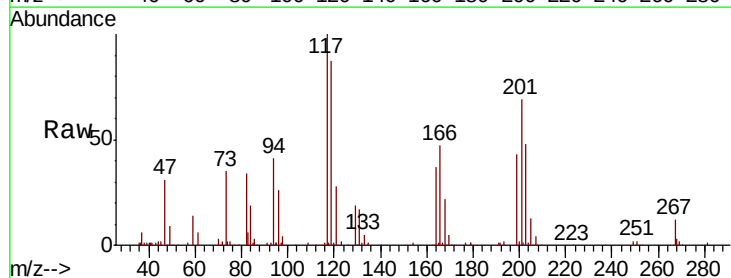
Manual Integrations
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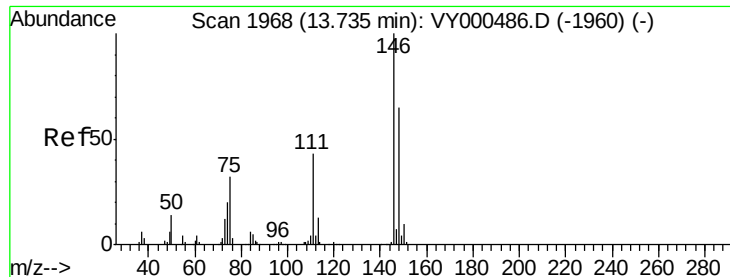
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11/13/2019 11:05:53 AM



#90
Hexachloroethane
Concen: 20.839 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. 0.00 min
Lab File: VY000608.D
Acq: 08 Nov 2019 11:52

Tgt Ion	Ratio	Lower	Upper
117	100		
201	68.3	35.8	107.3





#91

1,2-Dichlorobenzene

Concen: 20.141 ug/l

RT: 13.74 min Scan# 1969

Delta R.T. 0.01 min

Lab File: VY000608.D

Acq: 08 Nov 2019 11:52

Instrument :

MSVOA_Y

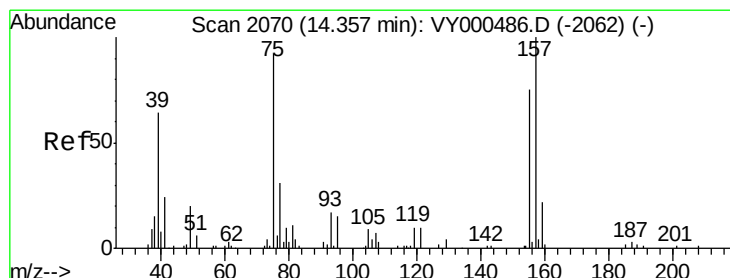
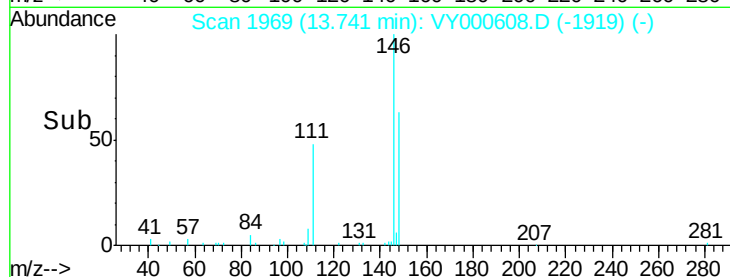
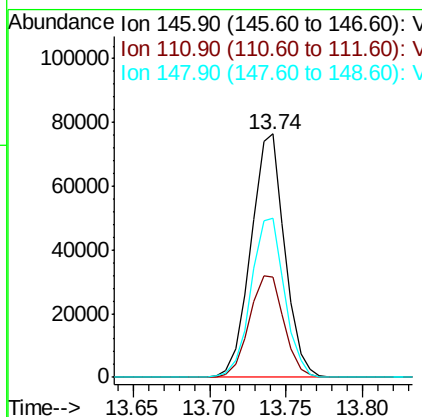
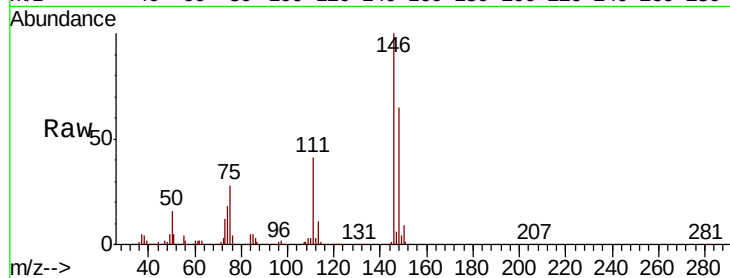
ClientSampleId :

VY1108SBS01

Tot Ion:	146	Resp:	117155
Ion Ratio	Lower	Upper	
146	100		
111	42.8	20.5	61.5
148	64.9	31.7	95.1

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 20.182 ug/l

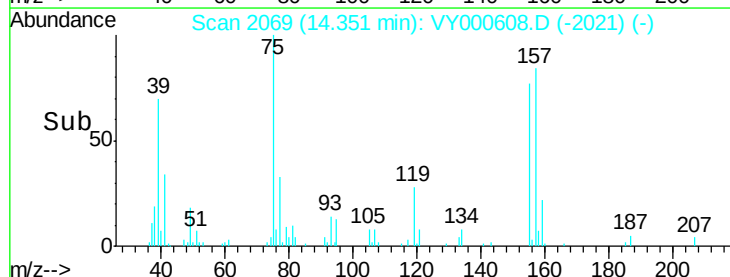
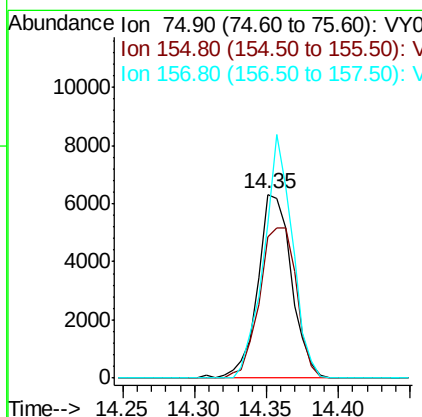
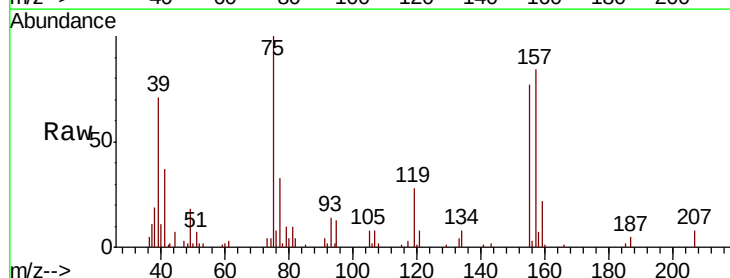
RT: 14.35 min Scan# 2069

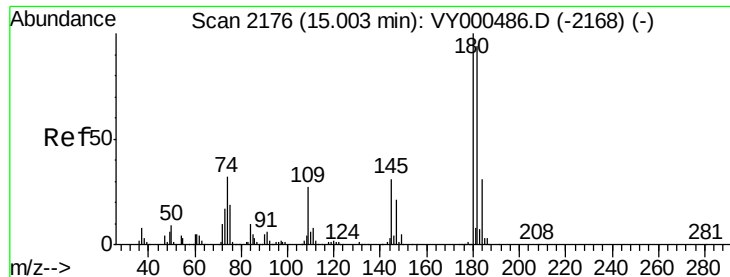
Delta R.T. -0.01 min

Lab File: VY000608.D

Acq: 08 Nov 2019 11:52

Tgt Ion:	75	Resp:	10208
Ion Ratio	Lower	Upper	
75	100		
155	90.0	42.4	127.1
157	112.2	55.1	165.3





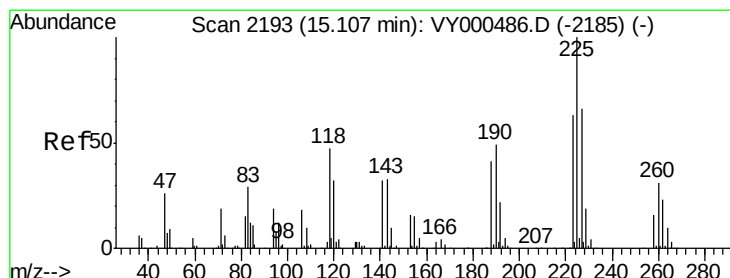
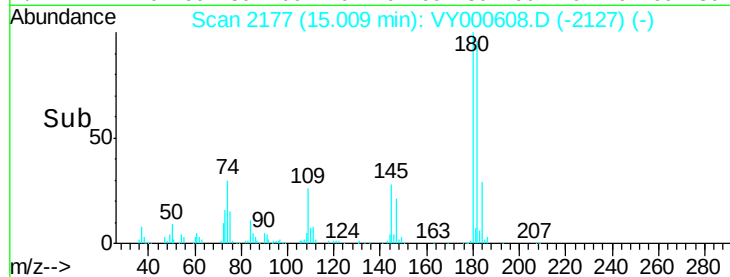
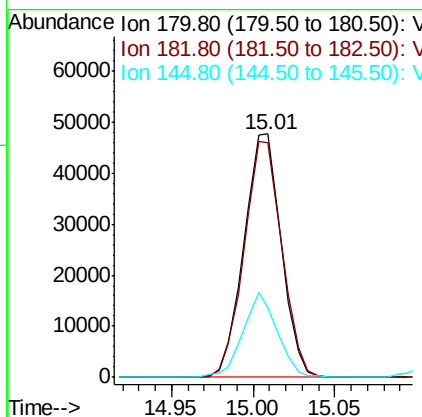
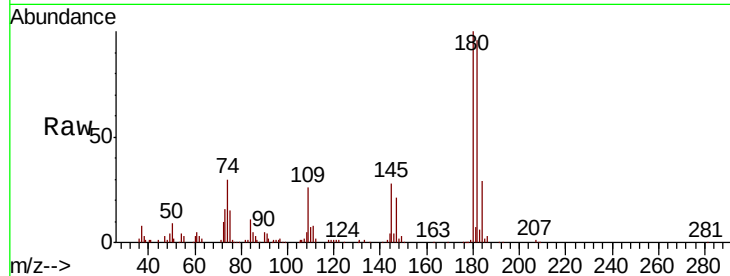
#93
 1,2,4-Trichlorobenzene
 Concen: 19.209 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. 0.01 min
 Lab File: VY000608.D
 Acq: 08 Nov 2019 11:52

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1108SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.2	47.8	143.4
145	32.0	16.0	47.9

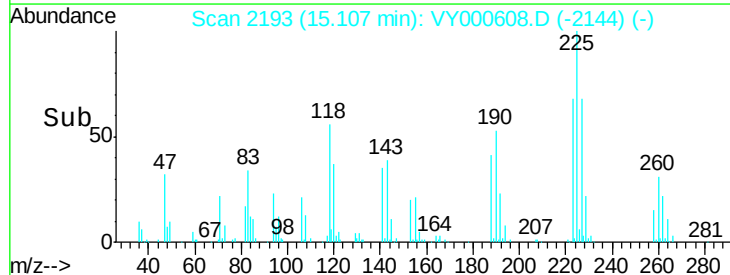
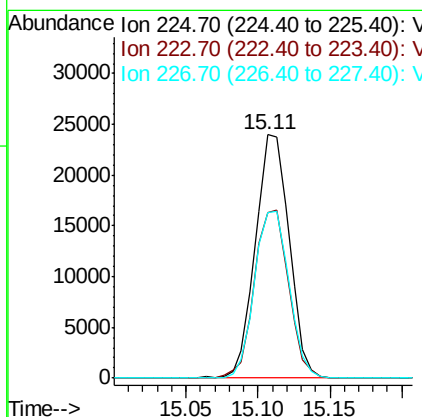
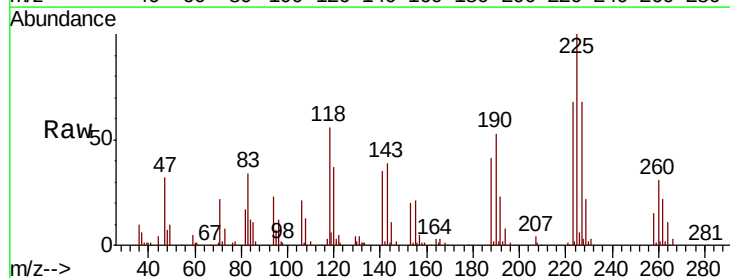
Manual Integrations
 APPROVED

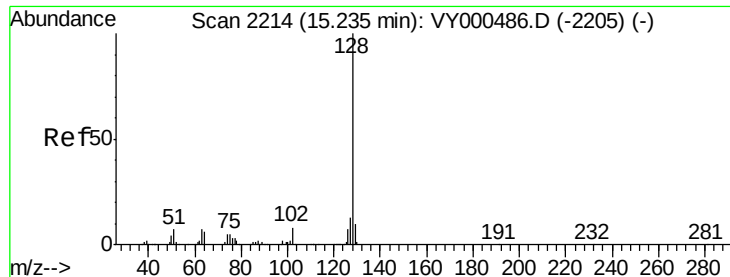
MMDadoda
 11/13/2019 11:05:53 AM



#94
 Hexachlorobutadiene
 Concen: 19.038 ug/l
 RT: 15.11 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VY000608.D
 Acq: 08 Nov 2019 11:52

Tgt Ion	Ratio	Lower	Upper
225	100		
223	69.9	31.3	93.8
227	69.8	32.4	97.0





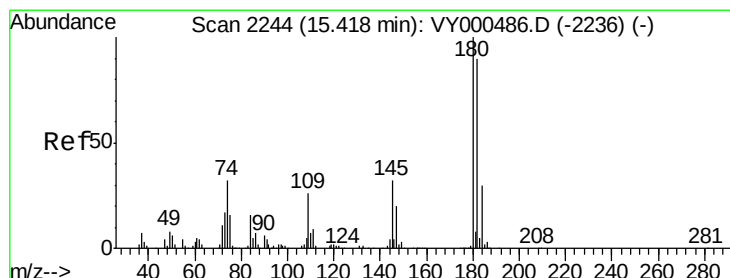
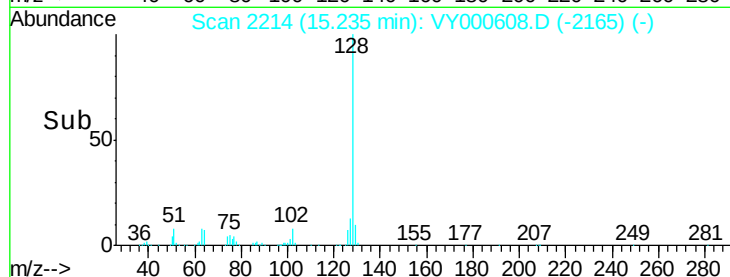
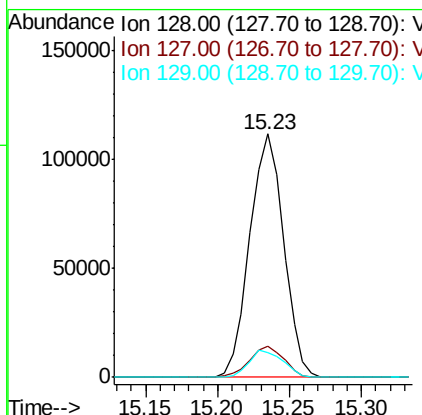
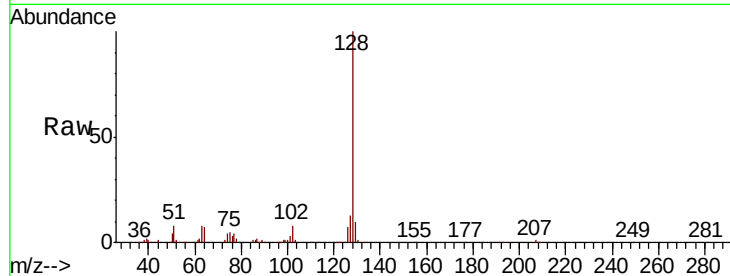
#95
Naphthalene
Concen: 20.601 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VY000608.D
Acq: 08 Nov 2019 11:52

Instrument :
MSVOA_Y
ClientSampleId :
VY1108SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	181127		
127	13.1	9.8	14.6	
129	11.2	8.7	13.1	

Manual Integrations
APPROVED

MMDadoda
11/13/2019 11:05:53 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.707 ug/l
RT: 15.42 min Scan# 2244
Delta R.T. 0.00 min
Lab File: VY000608.D
Acq: 08 Nov 2019 11:52

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	70026		
182	98.5	47.4	142.3	
145	33.3	15.7	47.0	

