

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY112219\
 Data File : VY000789.D
 Acq On : 22 Nov 2019 13:33
 Operator : SY/MD
 Sample : VY1122SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1122SBS01

Manual Integrations
 APPROVED

MMDadoda
 11/26/2019 1:34:01 AM

Quant Time: Nov 23 05:24:14 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	311146	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	540627	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	480836	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	231095	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	159543	49.55	ug/l	0.00
Spiked Amount			Recovery	=	99.10%	
35) Dibromofluoromethane	7.73	113	147249	46.39	ug/l	0.00
Spiked Amount			Recovery	=	92.78%	
50) Toluene-d8	10.18	98	600864	49.89	ug/l	0.00
Spiked Amount			Recovery	=	99.78%	
62) 4-Bromofluorobenzene	12.48	95	216817	47.29	ug/l	0.00
Spiked Amount			Recovery	=	94.58%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	53818	17.571	ug/l	98
3) Chloromethane	2.12	50	73887	17.512	ug/l	95
4) Vinyl Chloride	2.25	62	74506	19.016	ug/l	98
5) Bromomethane	2.64	94	47125	20.057	ug/l	96
6) Chloroethane	2.79	64	47761	19.477	ug/l	99
7) Trichlorofluoromethane	3.13	101	107723	20.358	ug/l	96
8) Diethyl Ether	3.54	74	41276	21.953	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.90	101	65848	20.584	ug/l	97
10) Methyl Iodide	4.10	142	74453	19.750	ug/l	98
11) Tert butyl alcohol	4.97	59	35049	111.819	ug/l #	86
12) 1,1-Dichloroethene	3.88	96	65389	21.039	ug/l	92
13) Acrolein	3.73	56	20125	73.711	ug/l	98
14) Allyl chloride	4.49	41	113806	22.519	ug/l	95
15) Acrylonitrile	5.18	53	113818	118.173	ug/l	99
16) Acetone	3.96	43	83841	94.473	ug/l	98
17) Carbon Disulfide	4.20	76	191737	19.560	ug/l	99
18) Methyl Acetate	4.49	43	62139	22.519	ug/l	99
19) Methyl tert-butyl Ether	5.23	73	189415	21.919	ug/l	94
20) Methylene Chloride	4.72	84	84778	22.294	ug/l	96
21) trans-1,2-Dichloroethene	5.22	96	76550	21.786	ug/l	93
22) Diisopropyl ether	6.13	45	247607	22.541	ug/l	97
23) Vinyl Acetate	6.07	43	783627	113.011	ug/l	98
24) 1,1-Dichloroethane	6.04	63	133729	22.472	ug/l	98
25) 2-Butanone	7.00	43	152308	107.538	ug/l	98
26) 2,2-Dichloropropane	7.00	77	111440	20.492	ug/l	99
27) cis-1,2-Dichloroethene	6.99	96	85127	22.156	ug/l	99
28) Bromochloromethane	7.35	49	32868	15.212	ug/l	96
29) Tetrahydrofuran	7.36	42	98895	114.138	ug/l	99
30) Chloroform	7.52	83	135309	22.477	ug/l	95
31) Cyclohexane	7.80	56	135567	21.751	ug/l #	94
32) 1,1,1-Trichloroethane	7.71	97	111209	20.728	ug/l	100
36) 1,1-Dichloropropene	7.93	75	103268	20.206	ug/l	98
37) Ethyl Acetate	7.08	43	64928	21.398	ug/l	96
38) Carbon Tetrachloride	7.91	117	93776	19.069	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	136532	20.678	ug/l	99
40) Benzene	8.17	78	310047	20.692	ug/l	98
41) Methacrylonitrile	7.33	41	40782m	24.093	ug/l	
42) 1,2-Dichloroethane	8.25	62	85483	20.115	ug/l	99
43) Isopropyl Acetate	8.28	43	121858	21.379	ug/l	99
44) Trichloroethene	8.94	130	81339	20.589	ug/l	93
45) 1,2-Dichloropropane	9.22	63	78222	21.211	ug/l	93
46) Dibromomethane	9.31	93	43012	21.208	ug/l	96
47) Bromodichloromethane	9.50	83	97456	20.251	ug/l	100
48) Methyl methacrylate	9.30	41	54016	21.689	ug/l	95
49) 1,4-Dioxane	9.30	88	11460	419.846	ug/l #	86
51) 4-Methyl-2-Pentanone	10.07	43	329853	108.843	ug/l	97
52) Toluene	10.25	92	193657	20.443	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	108803	21.160	ug/l	99
54) cis-1,3-Dichloropropene	9.93	75	125813	21.358	ug/l	97
55) 1,1,2-Trichloroethane	10.64	97	63174	21.536	ug/l	97
56) Ethyl methacrylate	10.51	69	91759	22.070	ug/l	96
57) 1,3-Dichloropropane	10.79	76	110571	21.536	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.78	63	198412	105.558	ug/l	97
59) 2-Hexanone	10.83	43	234187	106.061	ug/l	98
60) Dibromochloromethane	10.99	129	66938	19.922	ug/l	99
61) 1,2-Dibromoethane	11.09	107	58810	20.851	ug/l	99
64) Tetrachloroethene	10.72	164	84049	21.139	ug/l	96
65) Chlorobenzene	11.52	112	199628	20.477	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	68598	20.289	ug/l	98
67) Ethyl Benzene	11.59	91	377285	21.028	ug/l	95
68) m/p-Xylenes	11.70	106	282688	40.708	ug/l	97
69) o-Xylene	12.02	106	134333	20.583	ug/l	98
70) Styrene	12.04	104	227283	20.337	ug/l	99
71) Bromoform	12.20	173	38782	19.943	ug/l #	99
73) Isopropylbenzene	12.33	105	364517	21.342	ug/l	99
74) N-amyl acetate	12.14	43	105069	21.480	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.58	83	73326	21.683	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	51513m	19.577	ug/l	
77) Bromobenzene	12.61	156	79139	20.433	ug/l	95
78) n-propylbenzene	12.67	91	444856	21.587	ug/l	99
79) 2-Chlorotoluene	12.75	91	245468	21.456	ug/l	97
80) 1,3,5-Trimethylbenzene	12.81	105	308097	21.659	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.38	75	25749	21.940	ug/l	98
82) 4-Chlorotoluene	12.85	91	258675	21.812	ug/l	96
83) tert-Butylbenzene	13.07	119	249768	20.564	ug/l	97
84) 1,2,4-Trimethylbenzene	13.12	105	303163	21.405	ug/l	99
85) sec-Butylbenzene	13.25	105	375911	21.724	ug/l	98
86) p-Isopropyltoluene	13.37	119	327589	21.241	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	159790	21.063	ug/l	100
88) 1,4-Dichlorobenzene	13.44	146	160207	21.133	ug/l	99
89) n-Butylbenzene	13.69	91	335895	22.082	ug/l	99
90) Hexachloroethane	13.95	117	58573	20.544	ug/l	95
91) 1,2-Dichlorobenzene	13.74	146	145203	21.095	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	12275	20.509	ug/l	98

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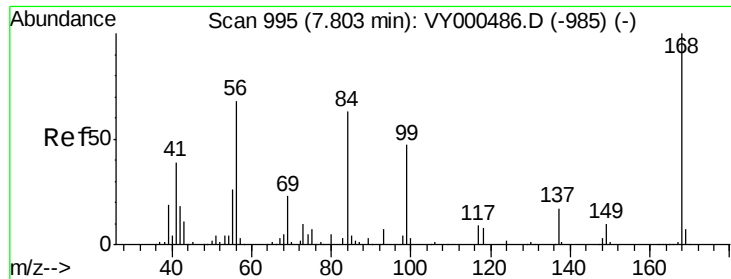
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	99510	21.232	ug/l	99
94) Hexachlorobutadiene	15.11	225	48155	19.932	ug/l	98
95) Naphthalene	15.23	128	239006	22.972	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	89052	21.179	ug/l	99

(#) = 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: VY000789.D

Acq: 22 Nov 2019 13:33

Instrument :

MSVOA_Y

ClientSampleId :

VY1122SBS01

Tot Ion:168 Resp: 311146

Ion Ratio Lower Upper

168 100

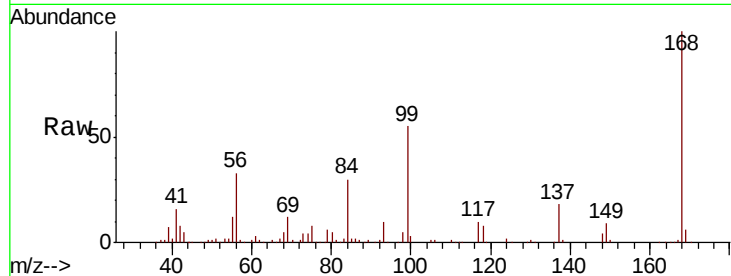
99 55.3 45.7 68.5

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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

150000

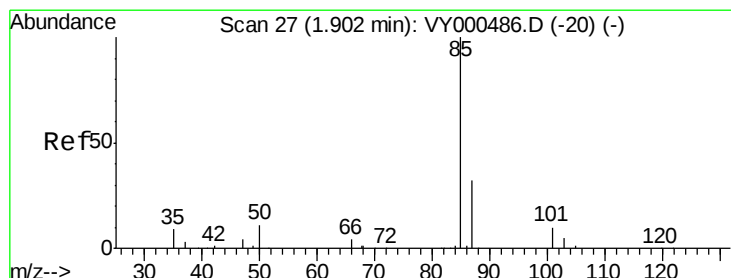
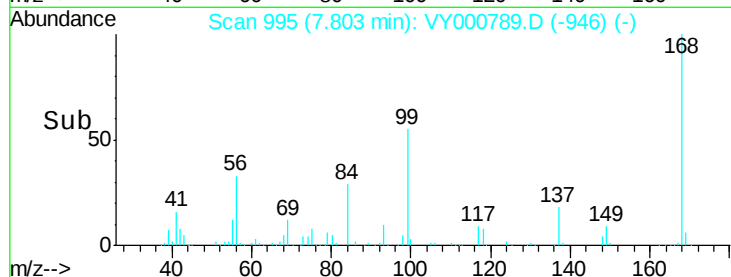
100000

50000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 17.571 ug/l

RT: 1.90 min Scan# 27

Delta R.T. 0.00 min

Lab File: VY000789.D

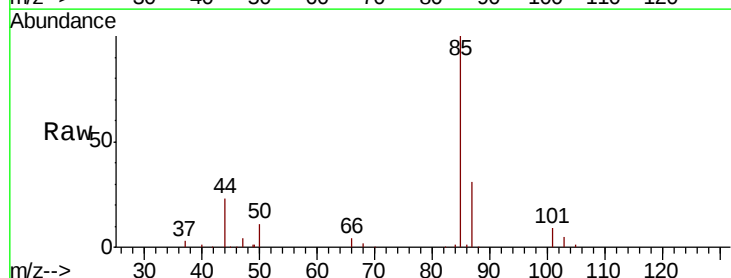
Acq: 22 Nov 2019 13:33

Tgt Ion: 85 Resp: 53818

Ion Ratio Lower Upper

85 100

87 30.7 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

40000

30000

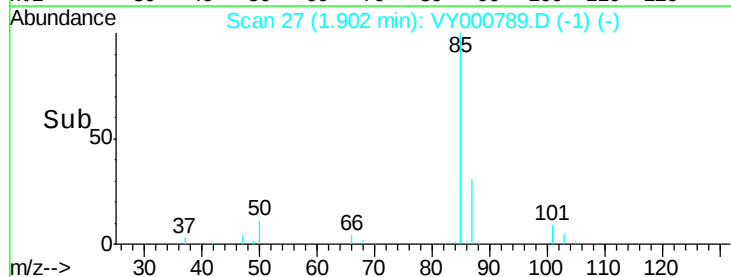
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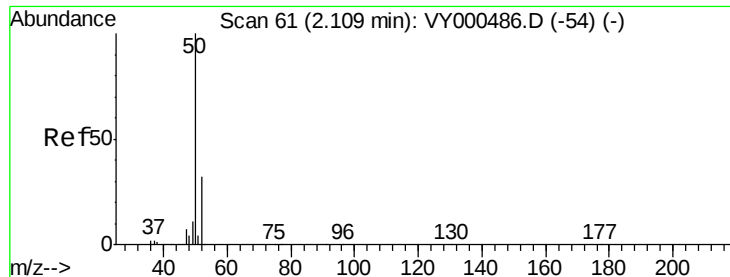
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0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 17.512 ug/l

RT: 2.12 min Scan# 62

Delta R.T. 0.01 min

Lab File: VY000789.D

Acq: 22 Nov 2019 13:33

Instrument :

MSVOA_Y

ClientSampleId :

VY1122SBS01

Tot Ion: 50 Resp: 73887

Ion Ratio Lower Upper

50 100

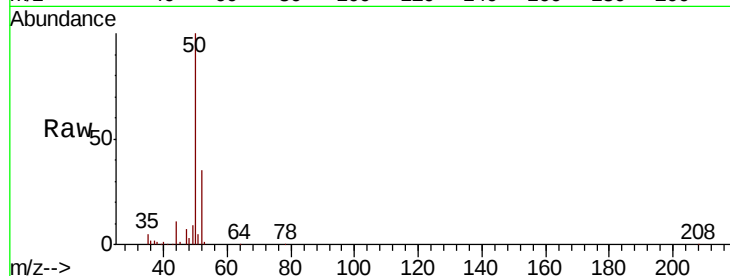
52 34.5 25.2 37.8

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Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0

2.12

50000

40000

30000

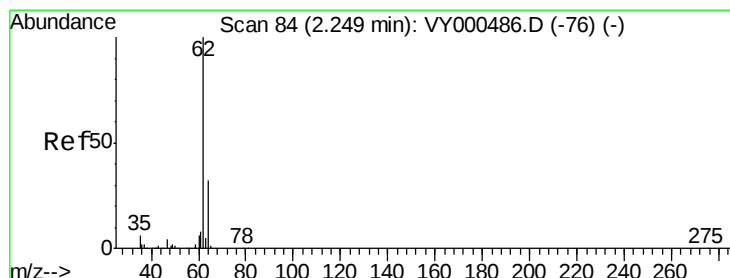
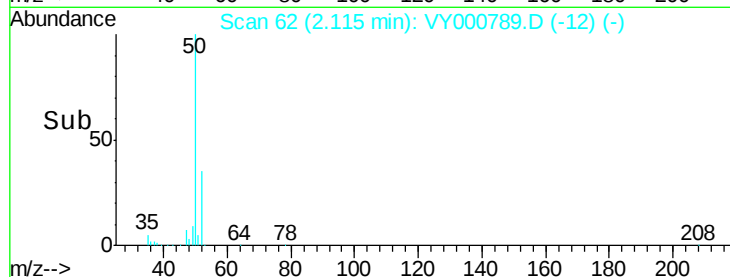
20000

10000

0

Time-->

2.05 2.10 2.15 2.20



#4

Vinyl Chloride

Concen: 19.016 ug/l

RT: 2.25 min Scan# 84

Delta R.T. 0.00 min

Lab File: VY000789.D

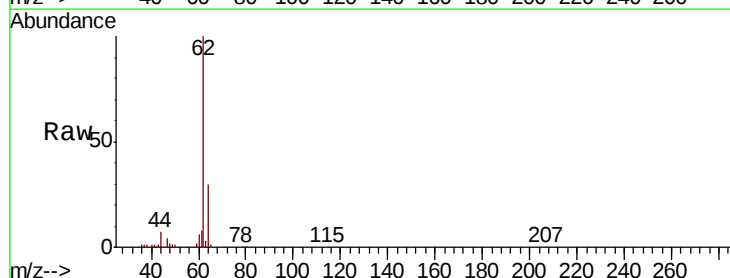
Acq: 22 Nov 2019 13:33

Tgt Ion: 62 Resp: 74506

Ion Ratio Lower Upper

62 100

64 30.3 25.2 37.8



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0

2.25

50000

40000

30000

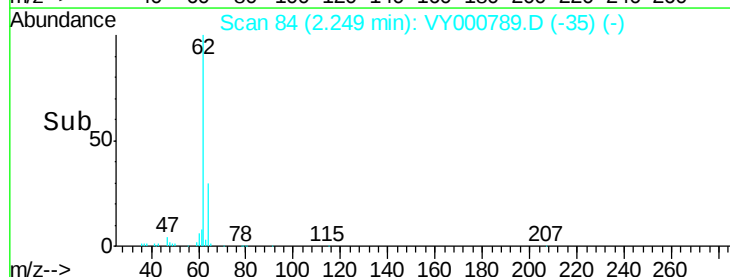
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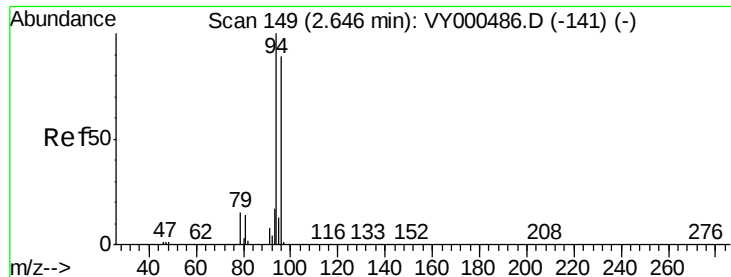
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0

Time-->

2.20 2.30 2.40





#5

Bromomethane

Concen: 20.057 ug/l

RT: 2.64 min Scan# 148

Delta R.T. -0.01 min

Lab File: VY000789.D

Acq: 22 Nov 2019 13:33

Instrument :

MSVOA_Y

ClientSampleId :

VY1122SBS01

Tot Ion: 94 Resp: 47125

Ion Ratio Lower Upper

94 100

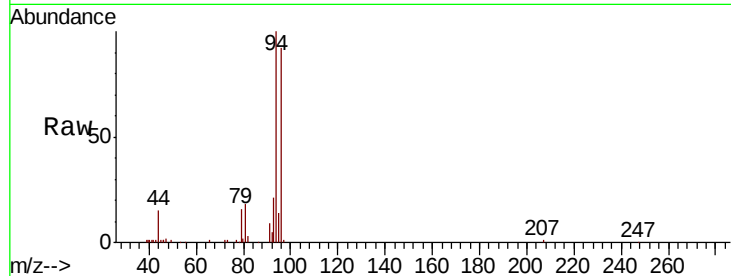
96 92.3 71.2 106.8

Manual Integrations

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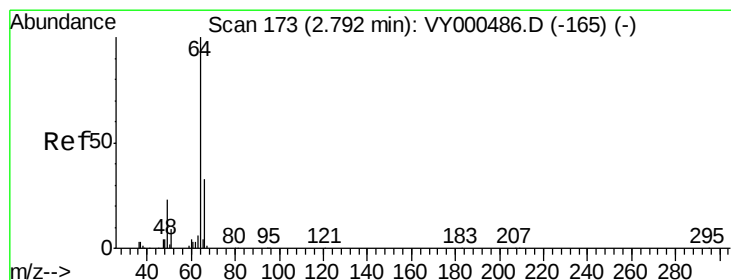
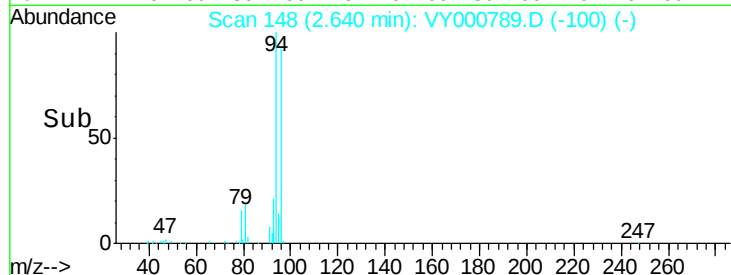
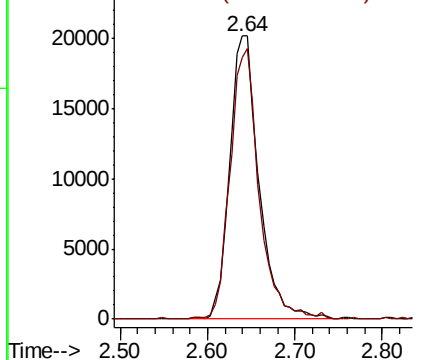
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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 19.477 ug/l

RT: 2.79 min Scan# 173

Delta R.T. 0.00 min

Lab File: VY000789.D

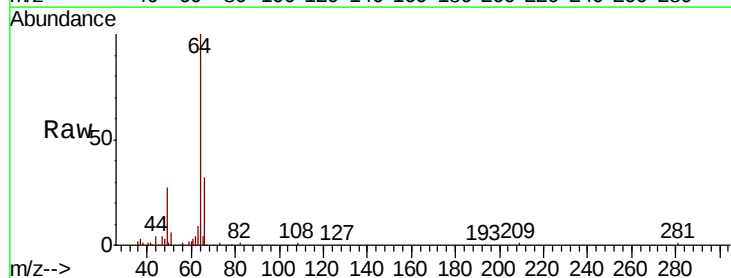
Acq: 22 Nov 2019 13:33

Tgt Ion: 64 Resp: 47761

Ion Ratio Lower Upper

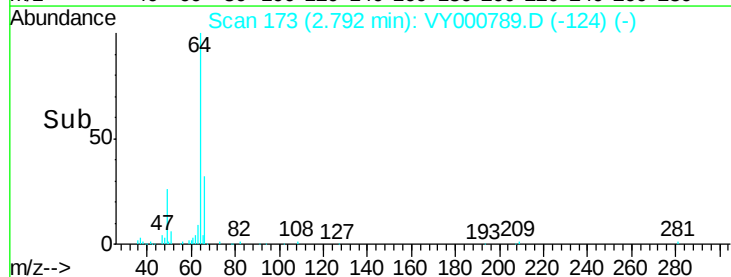
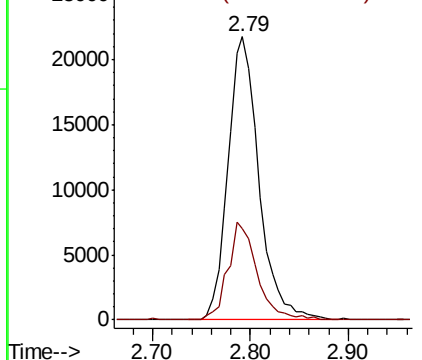
64 100

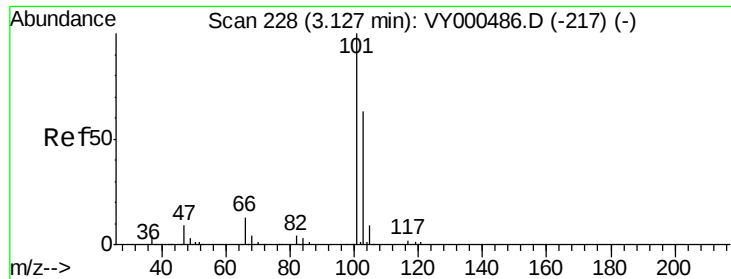
66 32.5 26.6 40.0



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

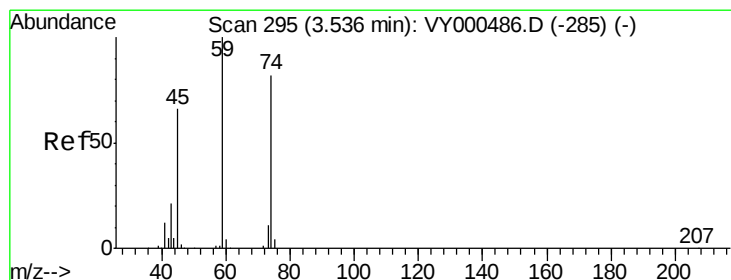
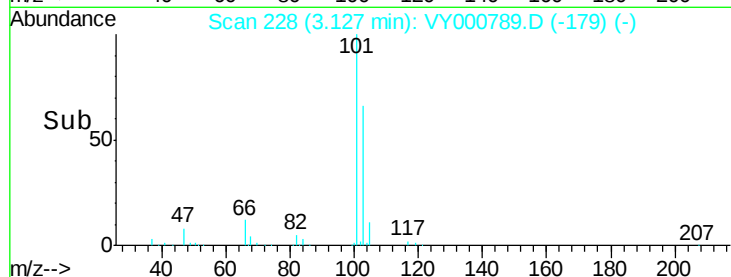
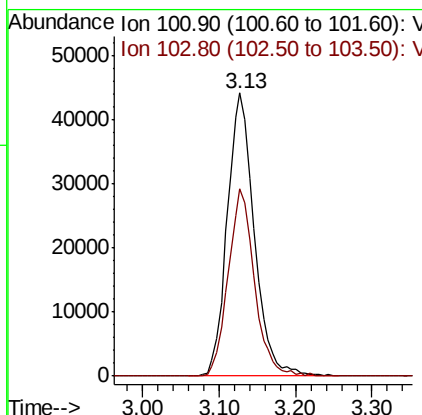
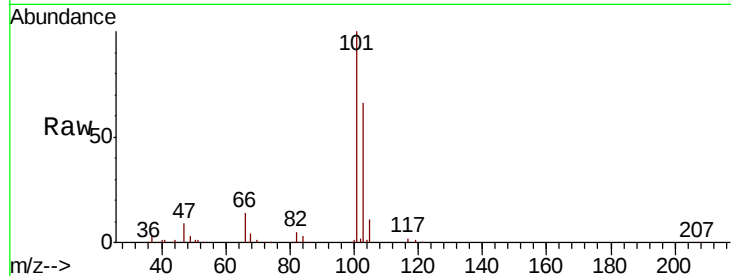
Trichlorofluoromethane
 Concen: 20.358 ug/l
 RT: 3.13 min Scan# 228
 Delta R.T. 0.00 min
 Lab File: VY000789.D
 Acq: 22 Nov 2019 13:33

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	66.3	50.5	75.7

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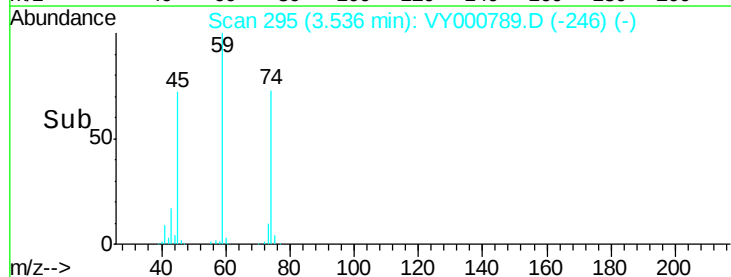
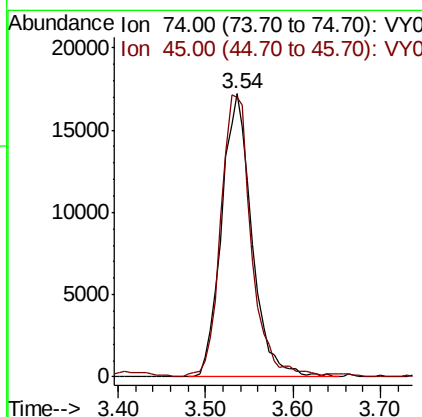
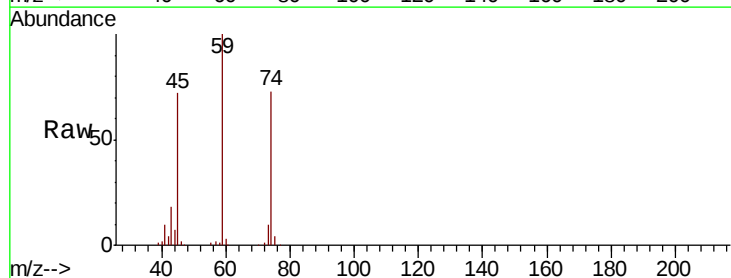
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 11/26/2019 1:34:01 AM



#8

Diethyl Ether
 Concen: 21.953 ug/l
 RT: 3.54 min Scan# 295
 Delta R.T. 0.00 min
 Lab File: VY000789.D
 Acq: 22 Nov 2019 13:33

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.8	45.5	136.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.584 ug/l

RT: 3.90 min Scan# 355

Delta R.T. 0.00 min

Lab File: VY000789.D

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Instrument :

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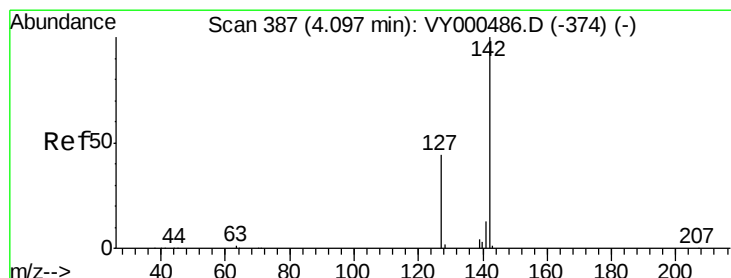
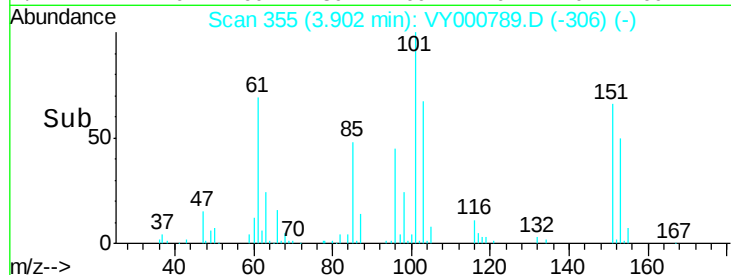
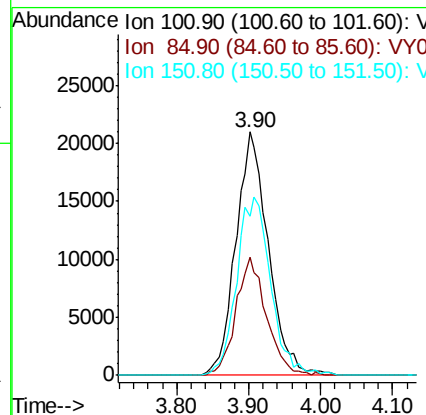
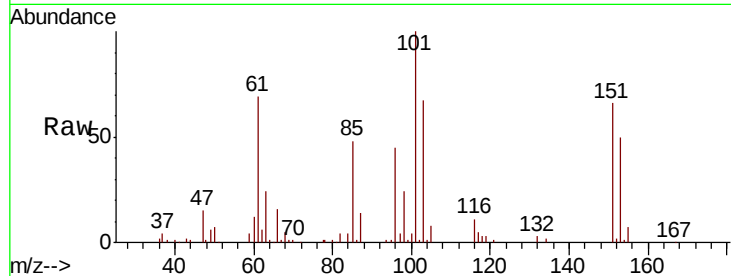
ClientSampleId :

VY1122SBS01

Tot Ion:	101	Resp:	65848
Ion Ratio	Lower	Upper	
101	100		
85	45.6	36.7	55.1
151	76.6	64.3	96.5

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#10

Methyl Iodide

Concen: 19.750 ug/l

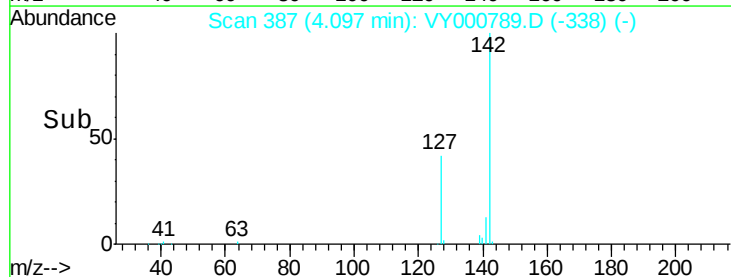
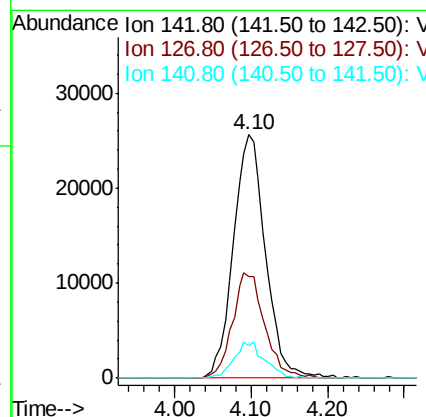
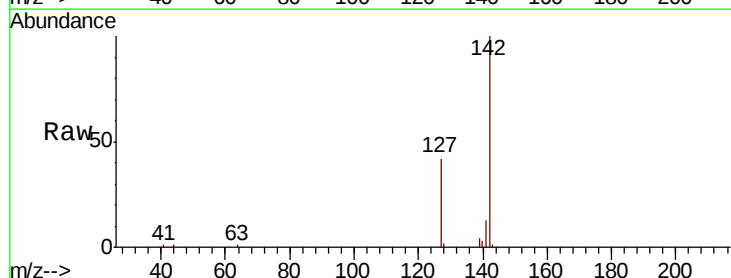
RT: 4.10 min Scan# 387

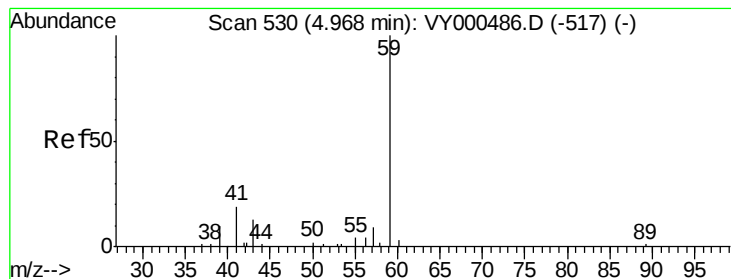
Delta R.T. 0.00 min

Lab File: VY000789.D

Acq: 22 Nov 2019 13:33

Tgt Ion:	142	Resp:	74453
Ion Ratio	Lower	Upper	
142	100		
127	43.2	33.7	50.5
141	14.2	10.9	16.3





#11

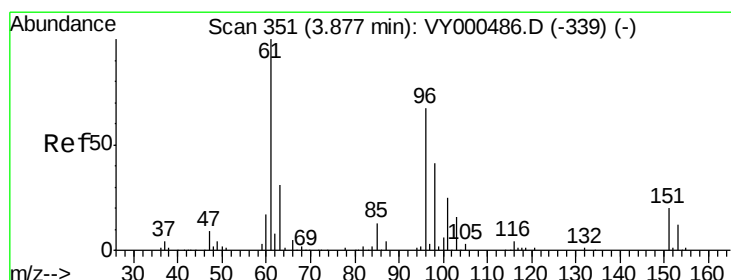
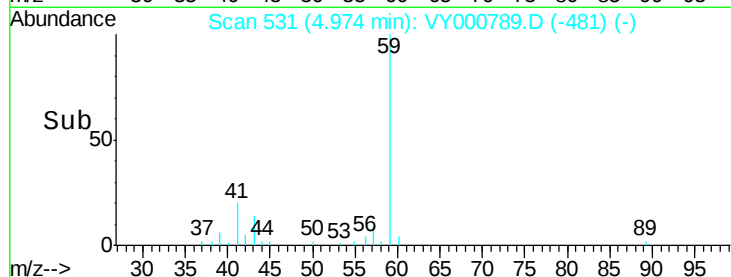
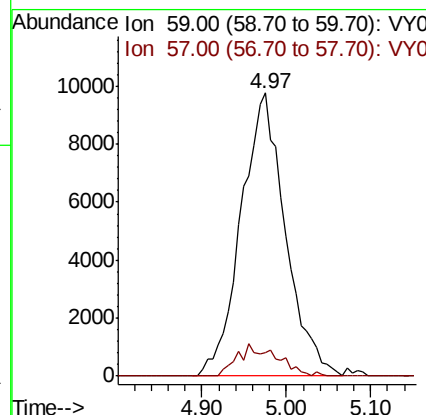
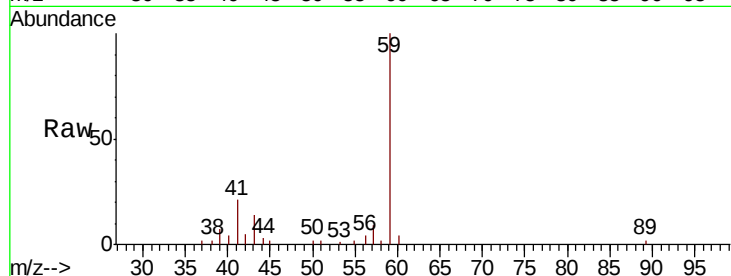
Tert butyl alcohol
 Concen: 111.819 ug/l
 RT: 4.97 min Scan# 531
 Delta R.T. 0.01 min
 Lab File: VY000789.D
 Acq: 22 Nov 2019 13:33

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1122SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	5.5	8.6	12.8#

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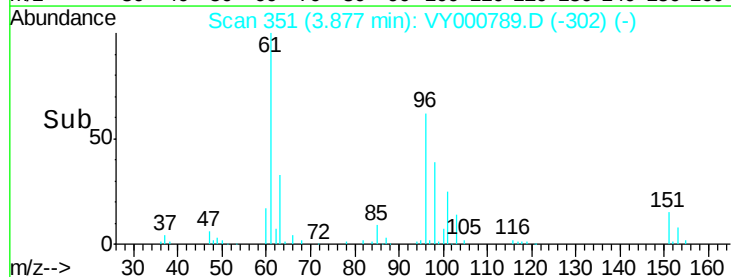
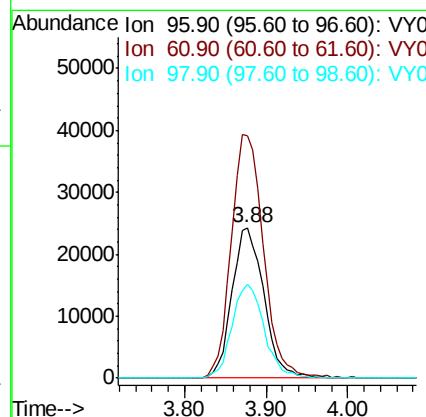
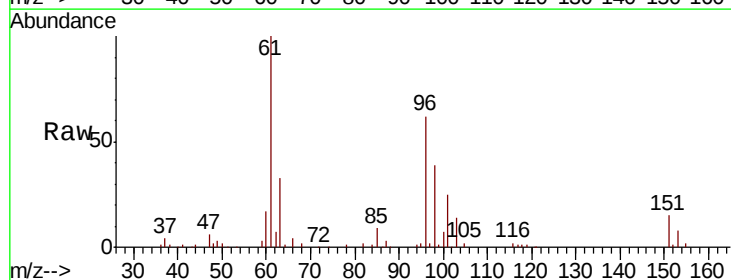
MMDadoda
 11/26/2019 1:34:01 AM



#12

1,1-Dichloroethene
 Concen: 21.039 ug/l
 RT: 3.88 min Scan# 351
 Delta R.T. 0.00 min
 Lab File: VY000789.D
 Acq: 22 Nov 2019 13:33

Tgt Ion	Ratio	Lower	Upper
96	100		
61	161.5	119.2	178.8
98	62.7	48.6	73.0





#13

Acrolein

Concen: 73.711 ug/l

RT: 3.73 min Scan# 327

Delta R.T. 0.00 min

Lab File: VY000789.D

Acq: 22 Nov 2019 13:33

Instrument :

MSVOA_Y

ClientSampleId :

VY1122SBS01

Tot Ion: 56 Resp: 20125

Ion Ratio Lower Upper

56 100

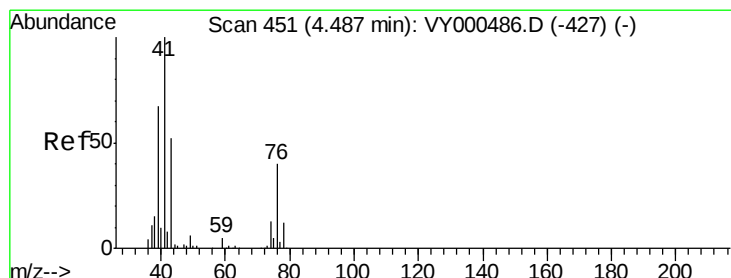
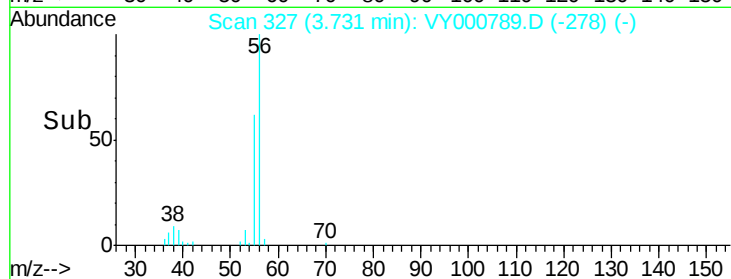
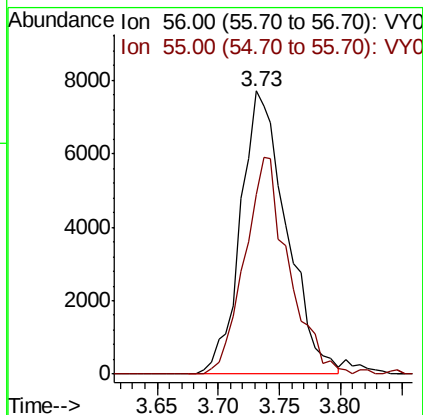
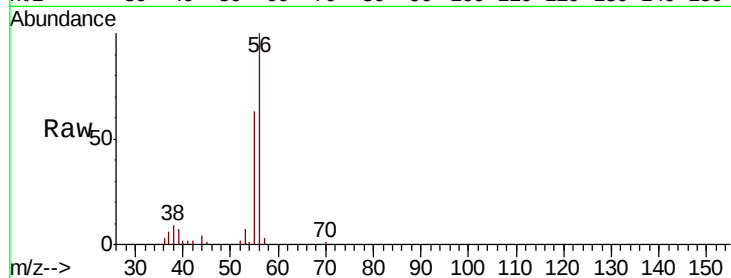
55 73.3 57.0 85.6

Manual Integrations

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#14

Allyl chloride

Concen: 22.519 ug/l

RT: 4.49 min Scan# 452

Delta R.T. 0.01 min

Lab File: VY000789.D

Acq: 22 Nov 2019 13:33

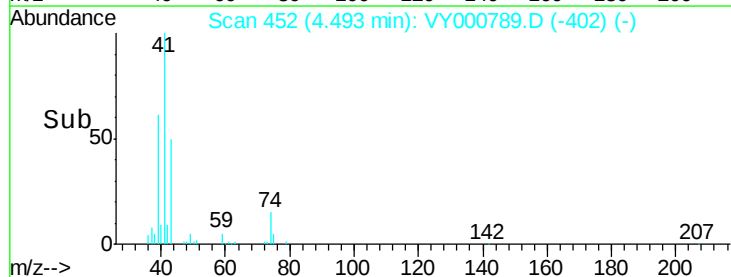
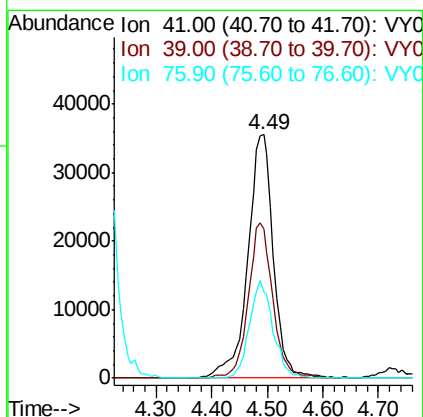
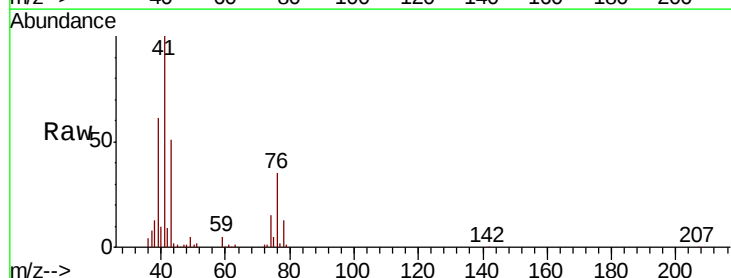
Tgt Ion: 41 Resp: 113806

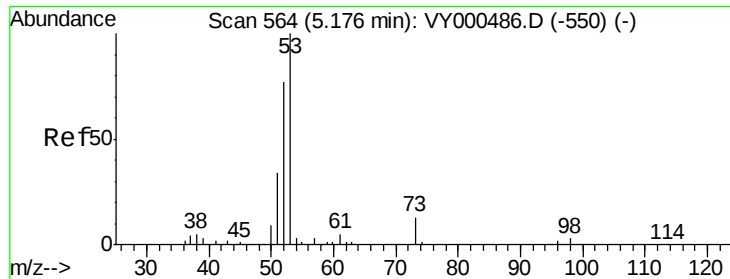
Ion Ratio Lower Upper

41 100

39 61.0 53.6 80.4

76 36.8 29.8 44.6





#15

Acrylonitrile

Concen: 118.173 ug/l

RT: 5.18 min Scan# 564

Delta R.T. 0.00 min

Lab File: VY000789.D

Acq: 22 Nov 2019 13:33

Instrument :

MSVOA_Y

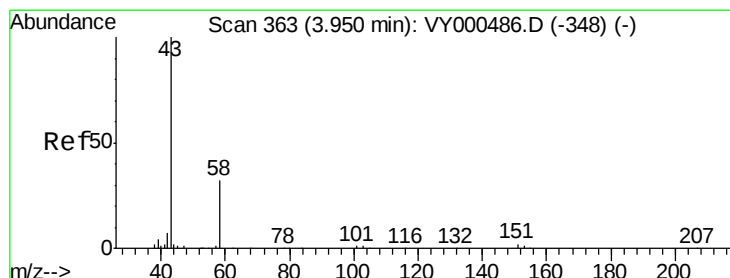
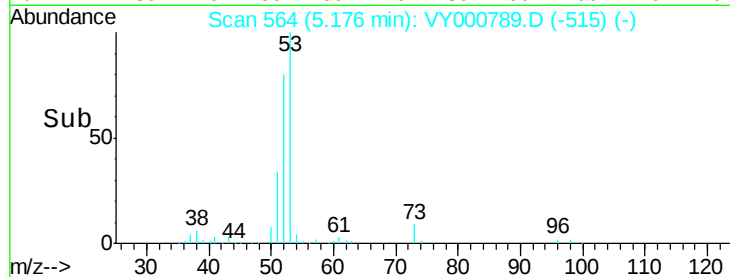
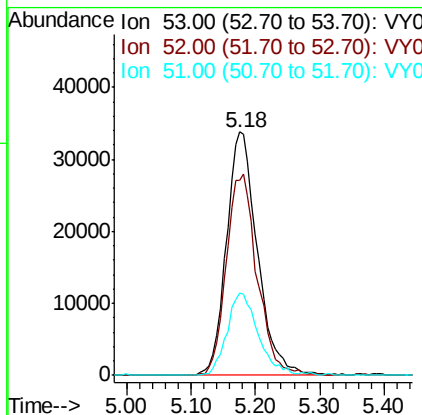
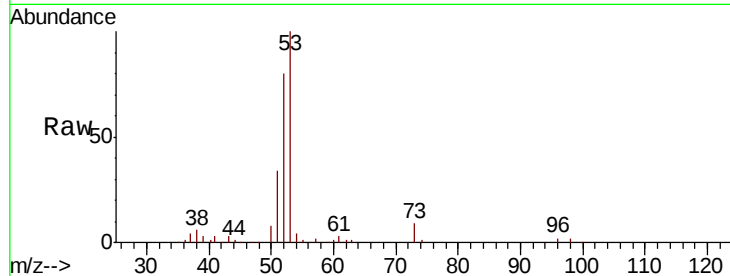
ClientSampleId :

VY1122SBS01

Tot Ion:	53	Resp:	113818
Ion Ratio	Lower	Upper	
53	100		
52	82.2	64.9	97.3
51	34.0	27.6	41.4

Manual Integrations
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#16

Acetone

Concen: 94.473 ug/l

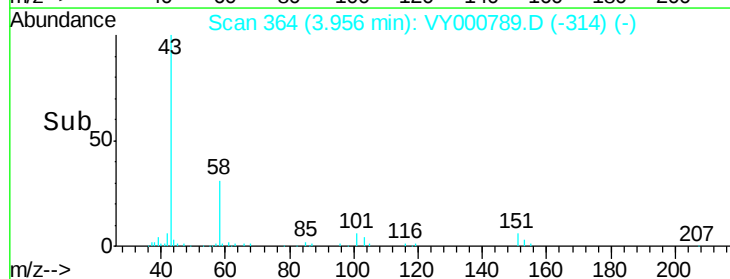
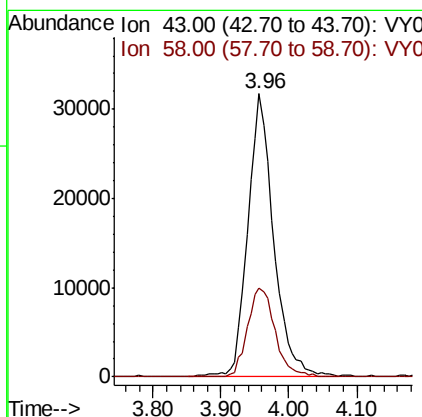
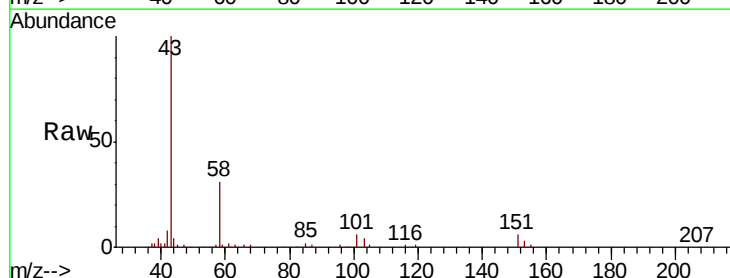
RT: 3.96 min Scan# 364

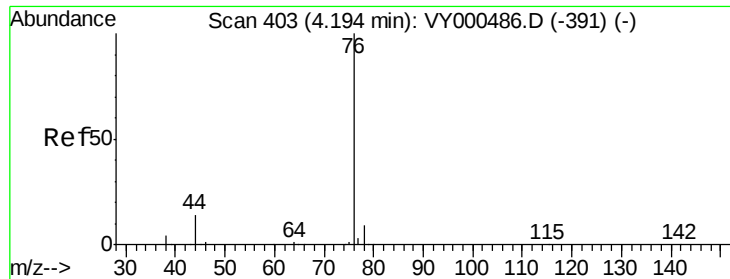
Delta R.T. 0.01 min

Lab File: VY000789.D

Acq: 22 Nov 2019 13:33

Tgt Ion:	43	Resp:	83841
Ion Ratio	Lower	Upper	
43	100		
58	31.2	25.8	38.6





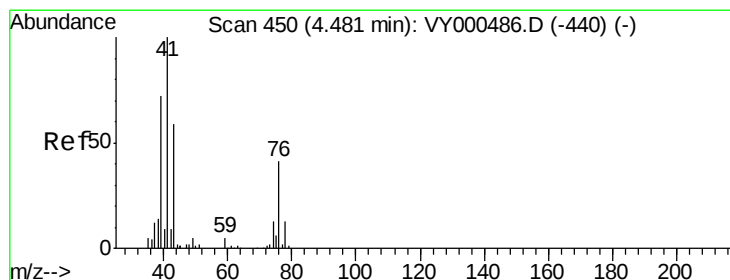
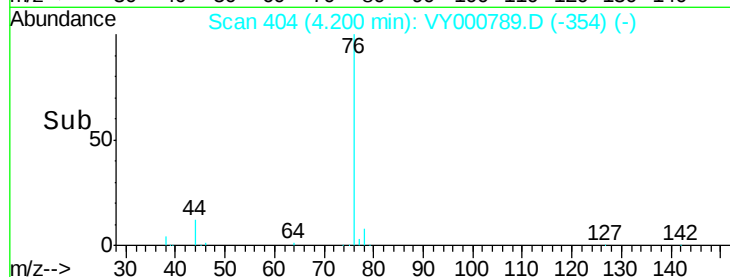
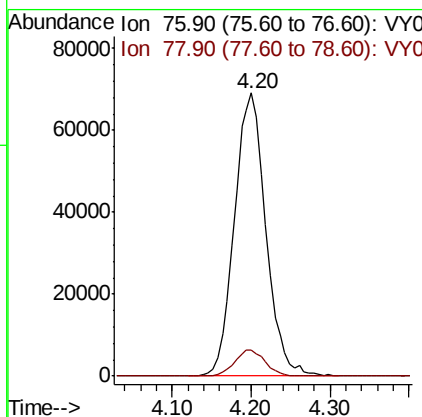
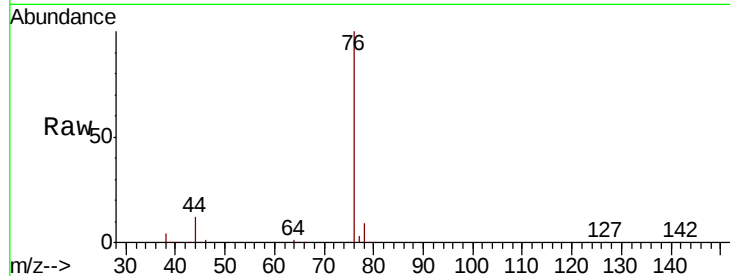
#17
Carbon Disulfide
Concen: 19.560 ug/l
RT: 4.20 min Scan# 404
Delta R.T. 0.01 min
Lab File: VY000789.D
Acq: 22 Nov 2019 13:33

Instrument :
MSVOA_Y
ClientSampleId :
VY1122SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.5	11.3

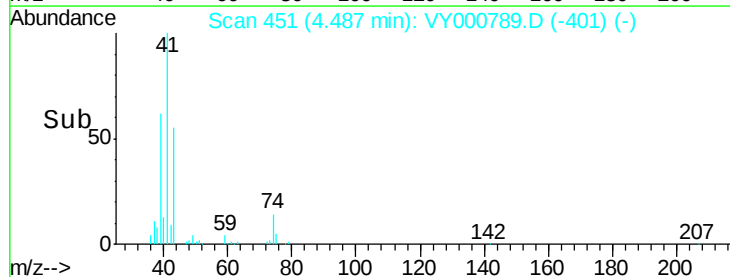
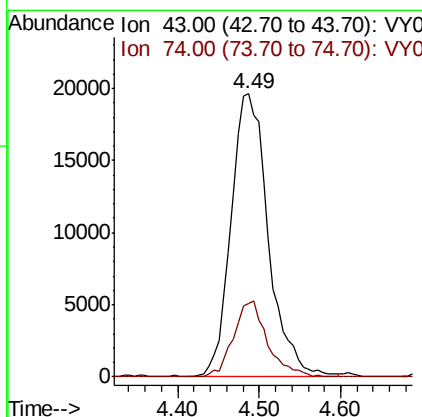
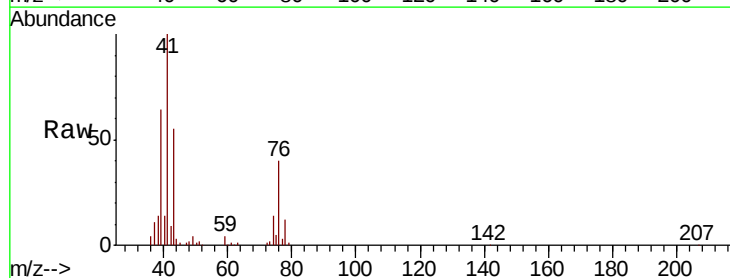
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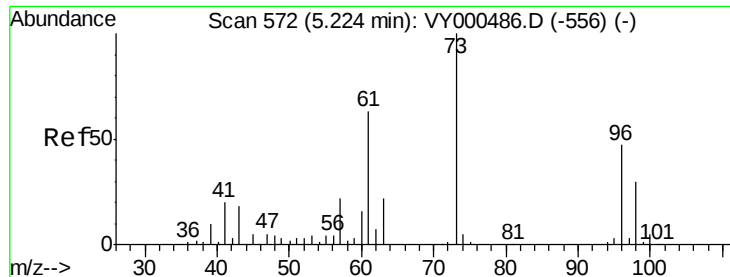
MMDadoda
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#18
Methyl Acetate
Concen: 22.519 ug/l
RT: 4.49 min Scan# 451
Delta R.T. 0.01 min
Lab File: VY000789.D
Acq: 22 Nov 2019 13:33

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.4	19.2	28.8





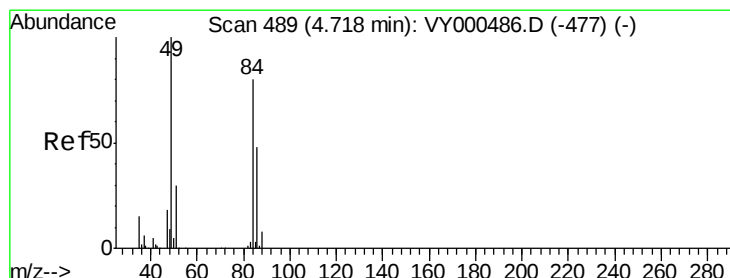
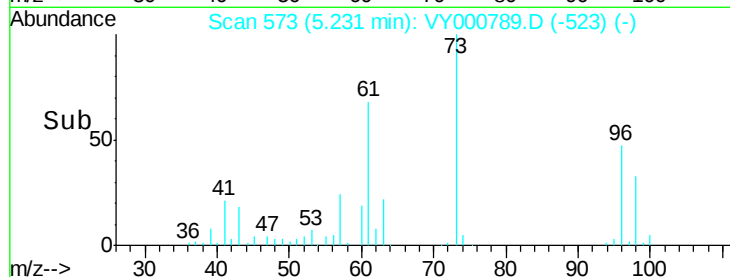
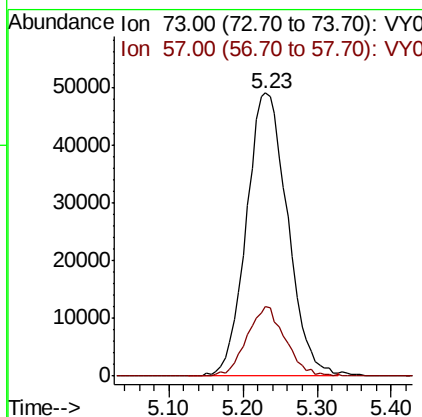
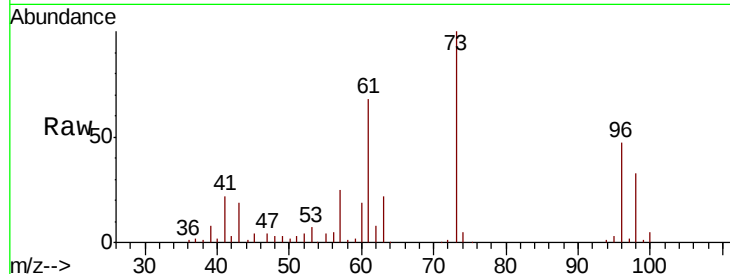
#19
Methyl tert-butyl Ether
Concen: 21.919 ug/l
RT: 5.23 min Scan# 573
Delta R.T. 0.01 min
Lab File: VY000789.D
Acq: 22 Nov 2019 13:33

Instrument :
MSVOA_Y
ClientSampleId :
VY1122SBS01

Tot Ion: 73 Resp: 189415
Ion Ratio Lower Upper
73 100
57 24.6 17.4 26.0

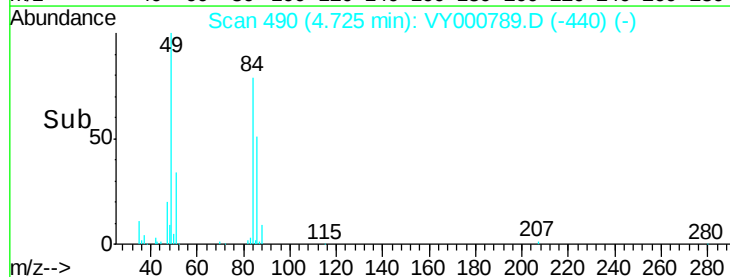
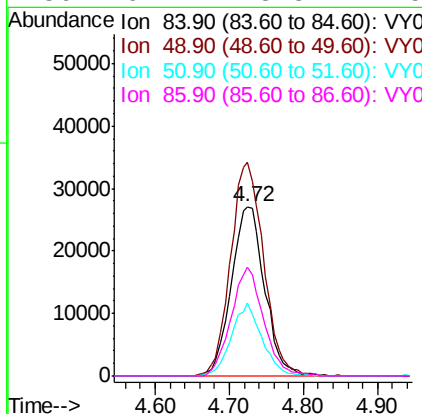
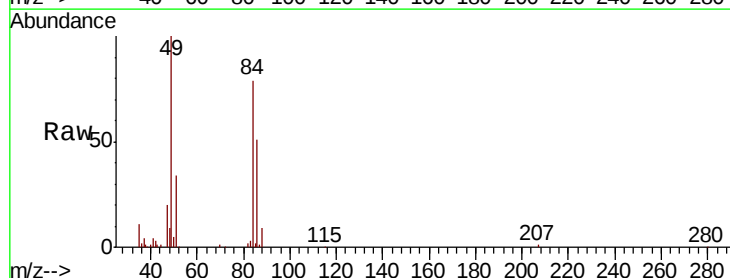
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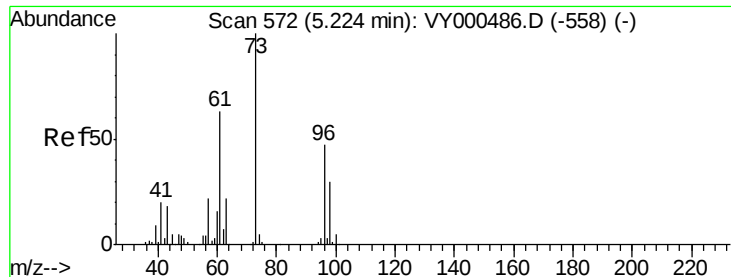
MMDadoda
11/26/2019 1:34:01 AM



#20
Methylene Chloride
Concen: 22.294 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.01 min
Lab File: VY000789.D
Acq: 22 Nov 2019 13:33

Tgt Ion: 84 Resp: 84778
Ion Ratio Lower Upper
84 100
49 126.4 100.2 150.4
51 43.4 29.6 44.4
86 64.2 48.3 72.5





#21

trans-1,2-Dichloroethene

Concen: 21.786 ug/l

RT: 5.22 min Scan# 572

Delta R.T. 0.00 min

Lab File: VY000789.D

Acq: 22 Nov 2019 13:33

Instrument :

MSVOA_Y

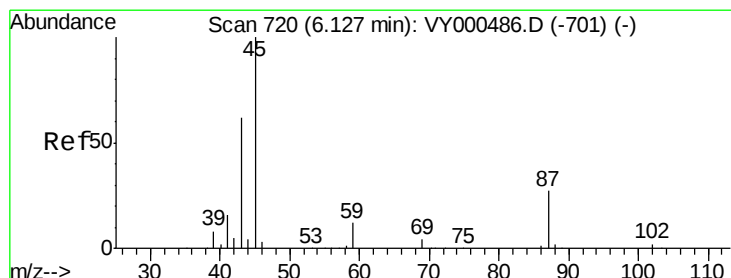
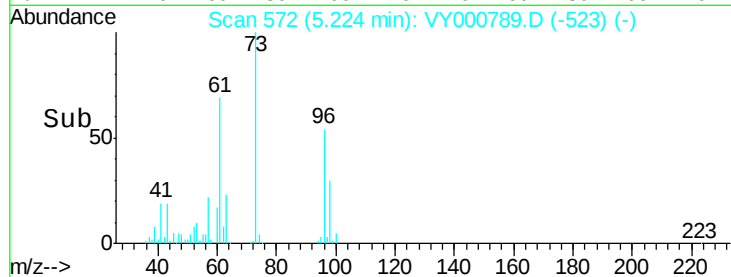
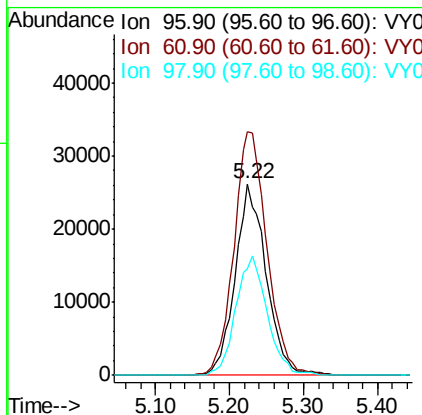
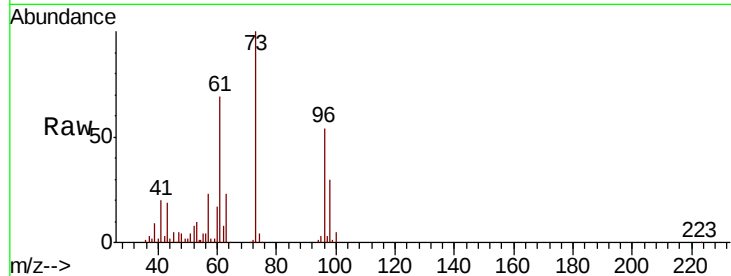
ClientSampleId :

VY1122SBS01

Tot Ion:	96	Resp:	76550
Ion	Ratio	Lower	Upper
96	100		
61	127.3	106.6	160.0
98	55.7	50.6	76.0

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#22

Diisopropyl ether

Concen: 22.541 ug/l

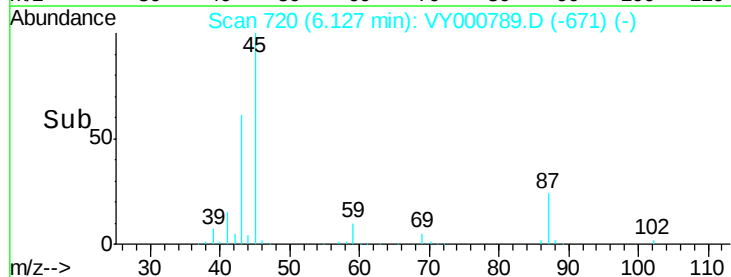
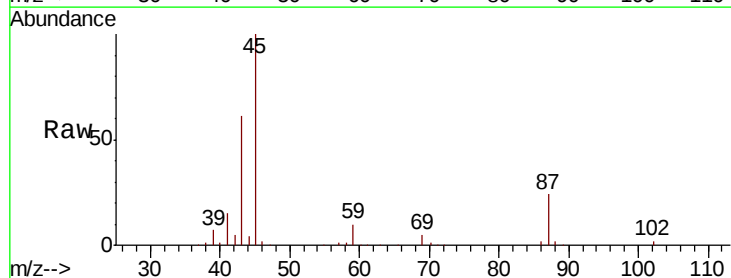
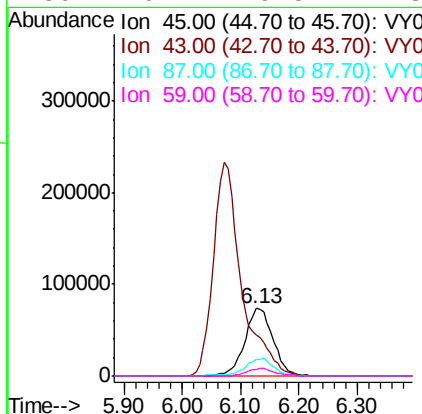
RT: 6.13 min Scan# 720

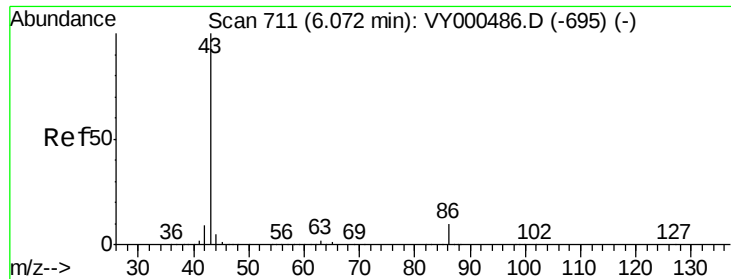
Delta R.T. 0.00 min

Lab File: VY000789.D

Acq: 22 Nov 2019 13:33

Tgt Ion:	45	Resp:	247607
Ion	Ratio	Lower	Upper
45	100		
43	60.6	50.0	75.0
87	24.3	21.6	32.4
59	10.1	9.5	14.3





#23

Vinyl Acetate

Concen: 113.011 ug/l

RT: 6.07 min Scan# 711

Delta R.T. 0.00 min

Lab File: VY000789.D

Acq: 22 Nov 2019 13:33

Instrument :

MSVOA_Y

ClientSampleId :

VY1122SBS01

Tot Ion: 43 Resp: 783627

Ion Ratio Lower Upper

43 100

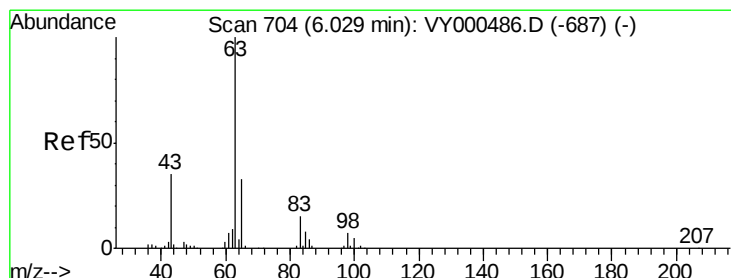
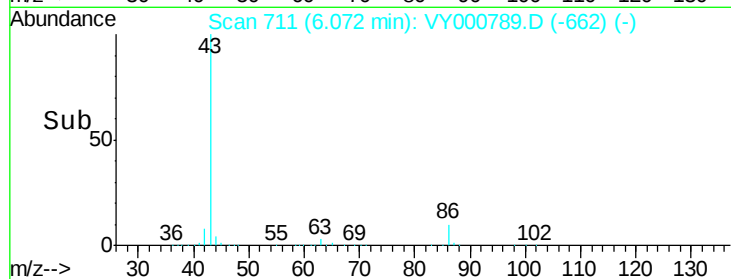
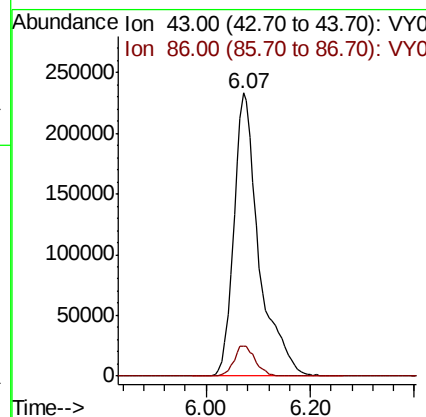
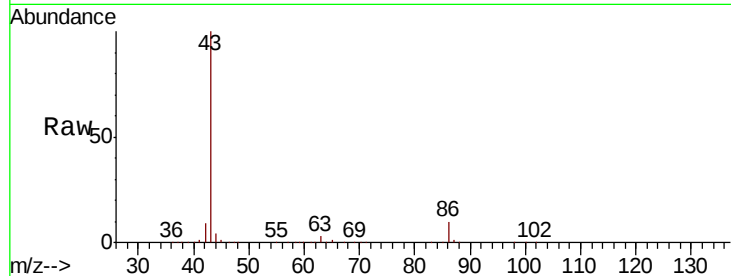
86 10.4 7.8 11.6

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 22.472 ug/l

RT: 6.04 min Scan# 705

Delta R.T. 0.01 min

Lab File: VY000789.D

Acq: 22 Nov 2019 13:33

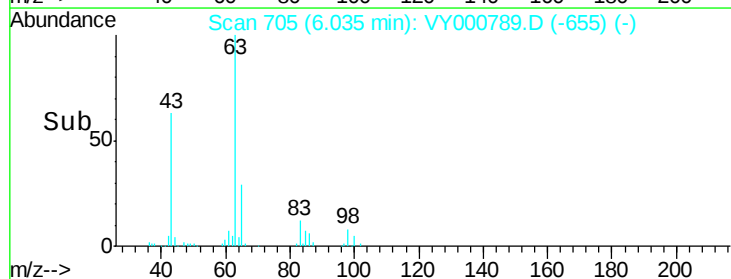
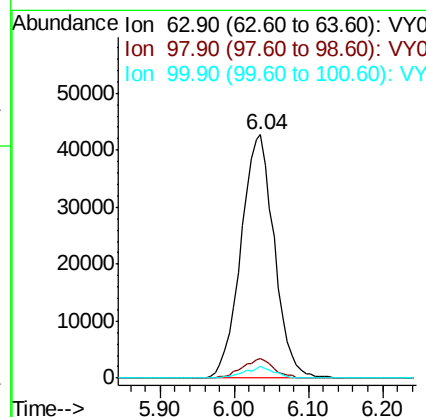
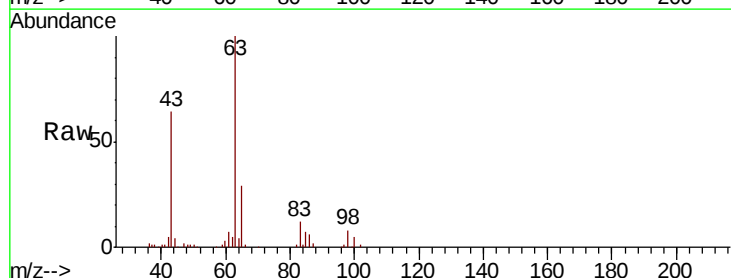
Tgt Ion: 63 Resp: 133729

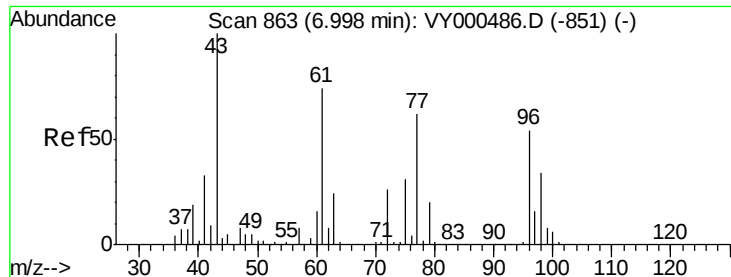
Ion Ratio Lower Upper

63 100

98 7.9 3.5 10.6

100 4.9 2.4 7.1





#25

2-Butanone

Concen: 107.538 ug/l

RT: 7.00 min Scan# 863

Delta R.T. 0.00 min

Lab File: VY000789.D

Acq: 22 Nov 2019 13:33

Instrument :

MSVOA_Y

ClientSampleId :

VY1122SBS01

Tot Ion: 43 Resp: 152308

Ion Ratio Lower Upper

43 100

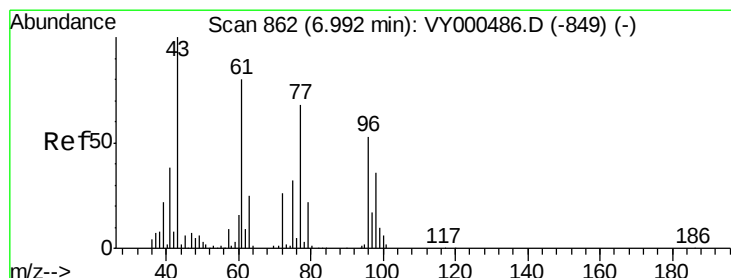
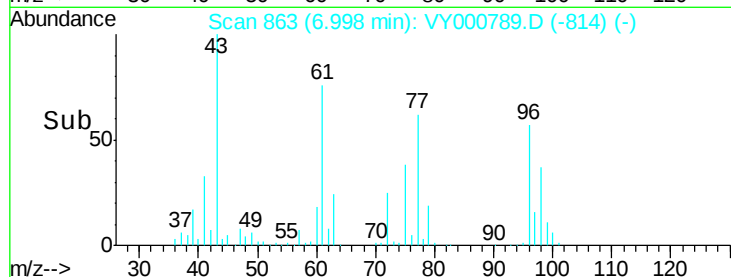
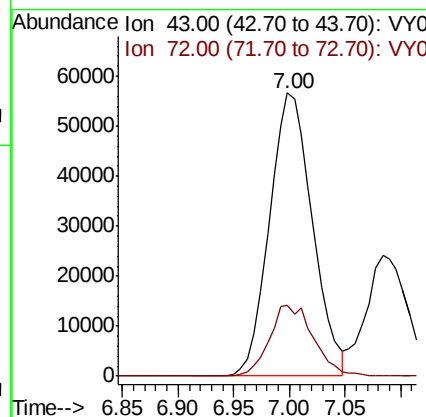
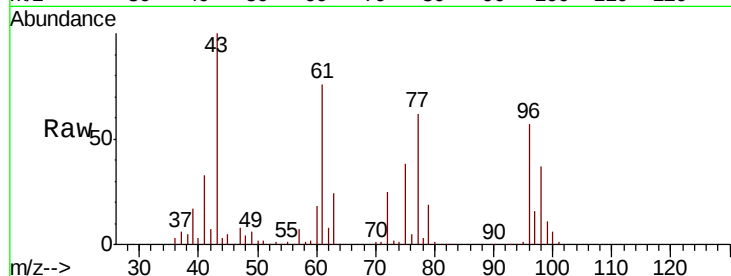
72 25.0 20.9 31.3

Manual Integrations

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11/26/2019 1:34:01 AM



#26

2,2-Dichloropropane

Concen: 20.492 ug/l

RT: 7.00 min Scan# 863

Delta R.T. 0.01 min

Lab File: VY000789.D

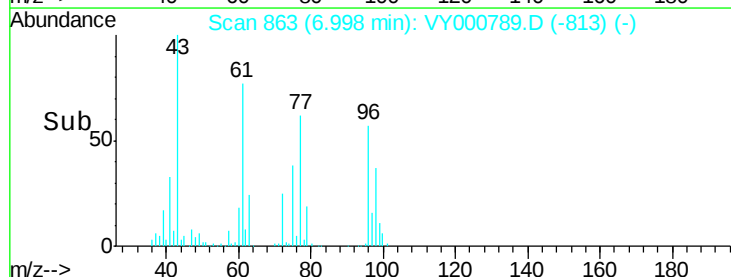
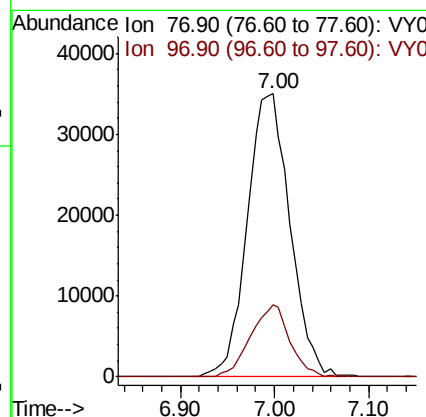
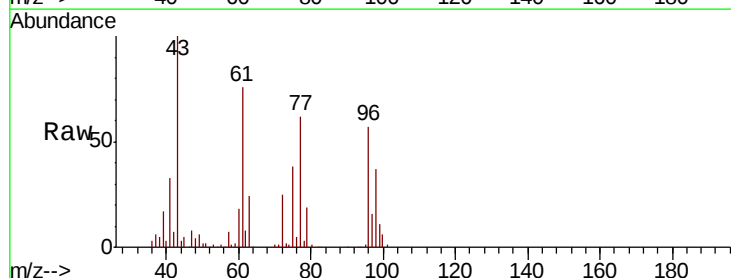
Acq: 22 Nov 2019 13:33

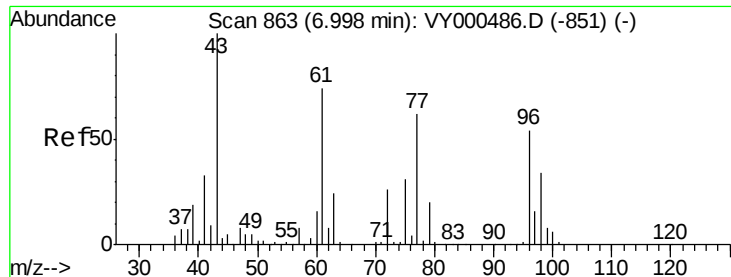
Tgt Ion: 77 Resp: 111440

Ion Ratio Lower Upper

77 100

97 23.3 11.8 35.4





#27

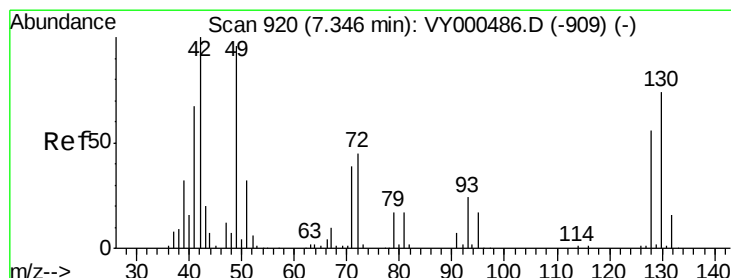
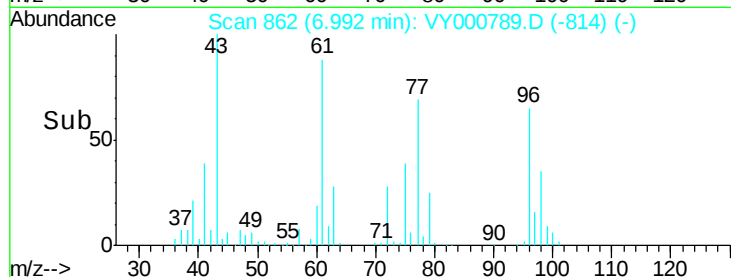
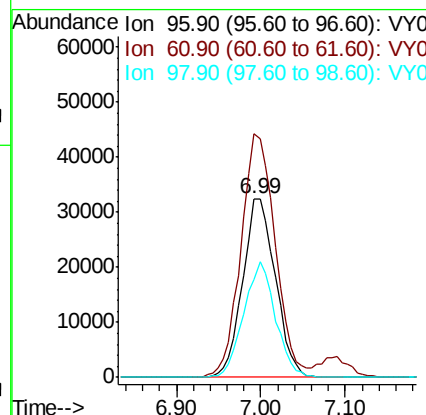
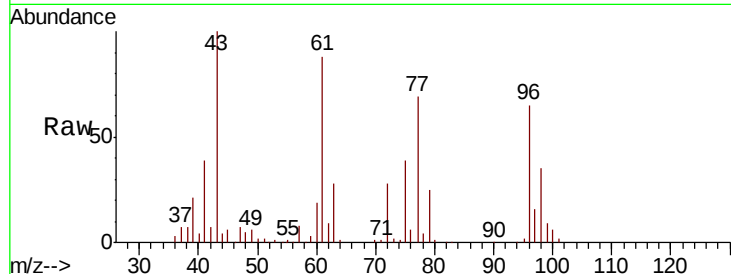
cis-1,2-Dichloroethene
Concen: 22.156 ug/l
RT: 6.99 min Scan# 862
Delta R.T. -0.01 min
Lab File: VY000789.D
Acq: 22 Nov 2019 13:33

Instrument :
MSVOA_Y
ClientSampleId :
VY1122SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	142.3	0.0	287.0
98	62.6	0.0	129.4

Manual Integrations
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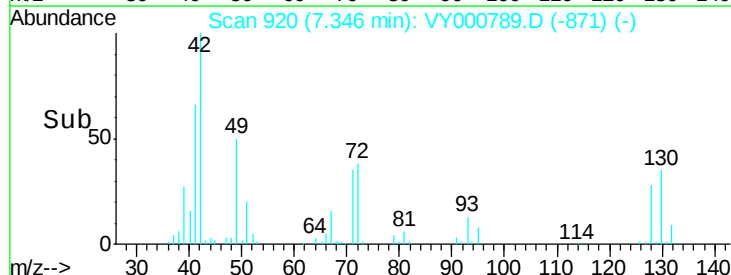
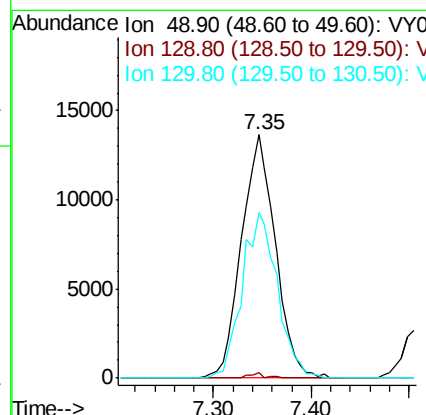
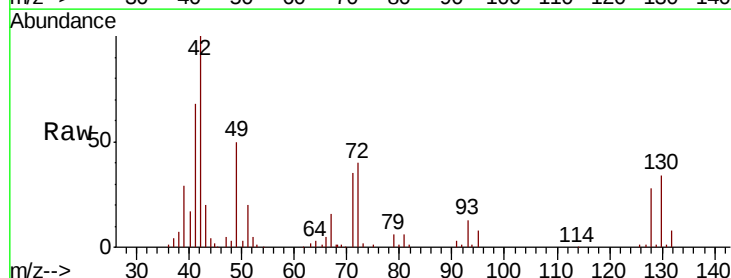
MMDadoda
11/26/2019 1:34:01 AM

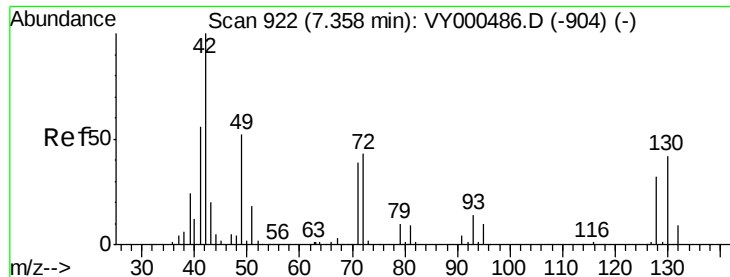


#28

Bromochloromethane
Concen: 15.212 ug/l
RT: 7.35 min Scan# 920
Delta R.T. 0.00 min
Lab File: VY000789.D
Acq: 22 Nov 2019 13:33

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.9	0.0	3.6
130	70.4	59.4	89.0





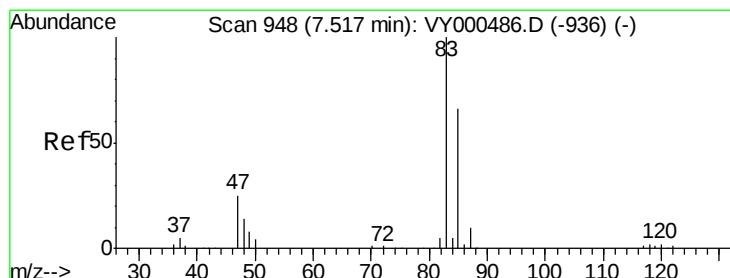
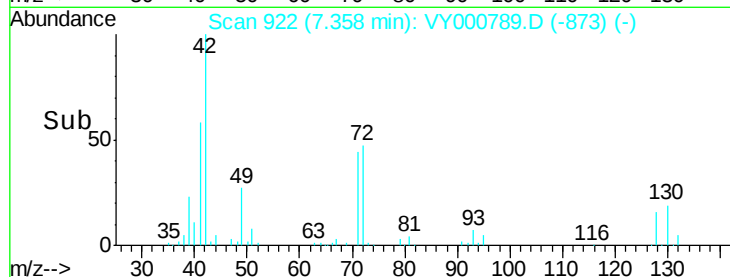
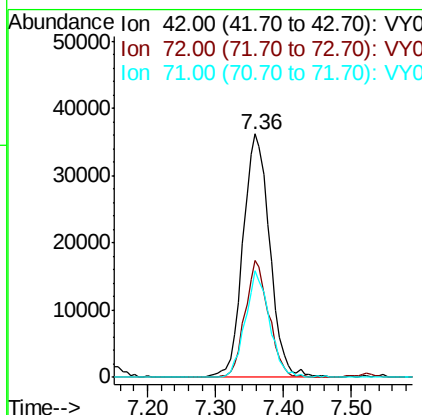
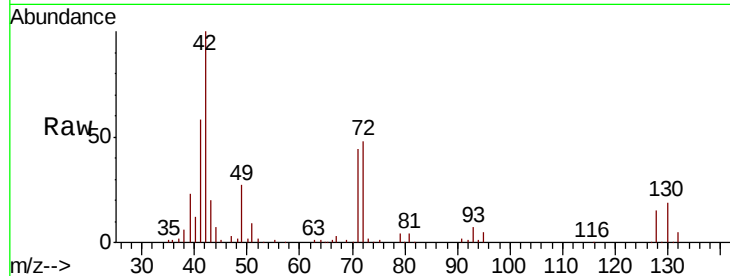
#29
Tetrahydrofuran
Concen: 114.138 ug/l
RT: 7.36 min Scan# 922
Delta R.T. 0.00 min
Lab File: VY000789.D
Acq: 22 Nov 2019 13:33

Instrument :
MSVOA_Y
ClientSampleId :
VY1122SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.6	34.0	51.0
71	39.5	30.8	46.2

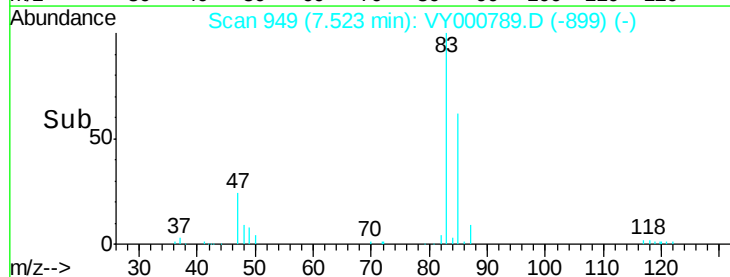
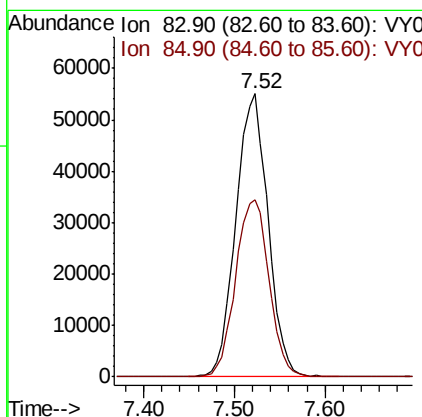
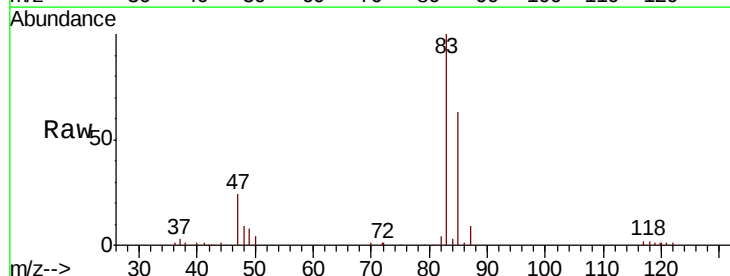
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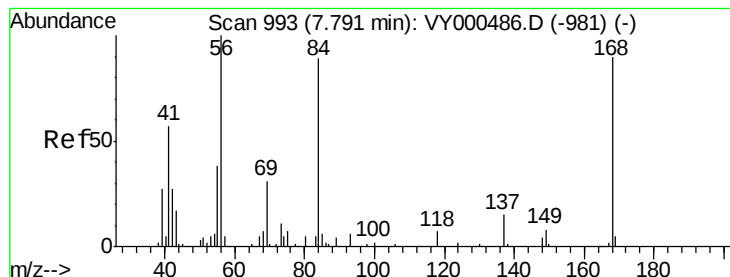
MMDadoda
11/26/2019 1:34:01 AM



#30
Chloroform
Concen: 22.477 ug/l
RT: 7.52 min Scan# 949
Delta R.T. 0.01 min
Lab File: VY000789.D
Acq: 22 Nov 2019 13:33

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.5	53.0	79.4





#31

Cyclohexane

Concen: 21.751 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.01 min

Lab File: VY000789.D

Acq: 22 Nov 2019 13:33

Instrument :

MSVOA_Y

ClientSampleId :

VY1122SBS01

Tot Ion: 56 Resp: 135567

Ion Ratio Lower Upper

56 100

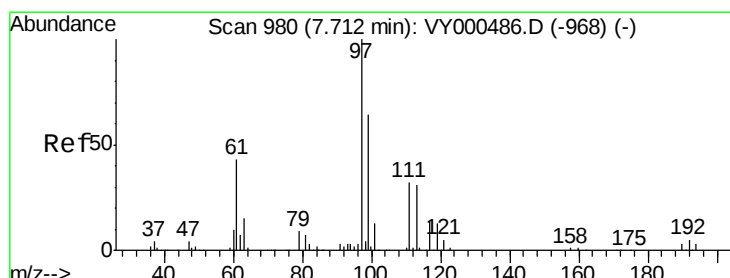
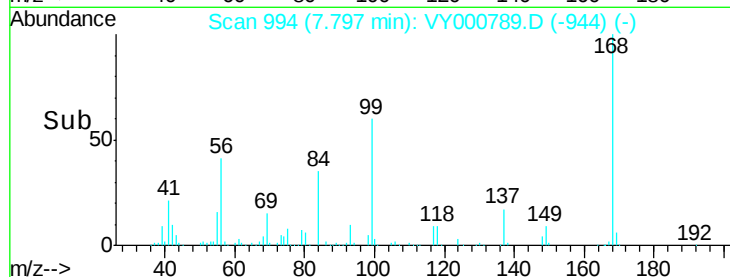
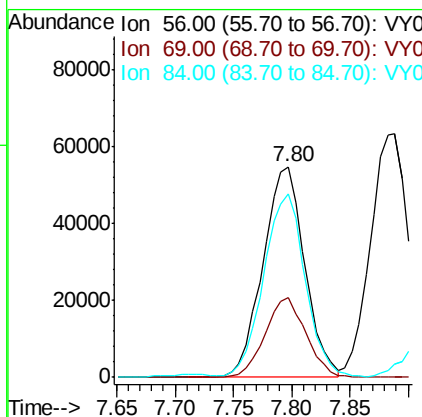
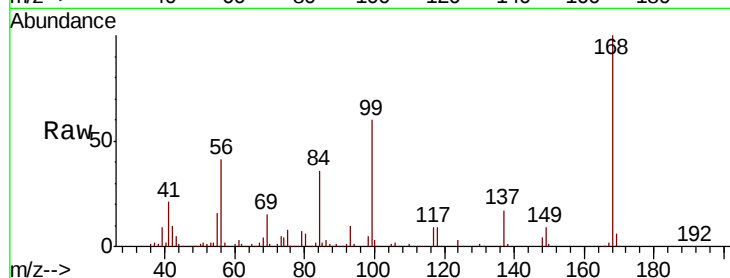
69 37.7 25.0 37.6#

84 85.5 71.4 107.2

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#32

1,1,1-Trichloroethane

Concen: 20.728 ug/l

RT: 7.71 min Scan# 980

Delta R.T. 0.00 min

Lab File: VY000789.D

Acq: 22 Nov 2019 13:33

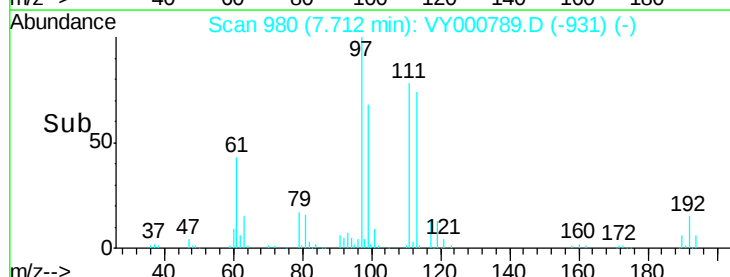
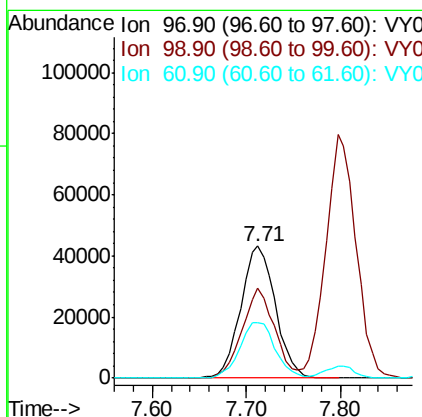
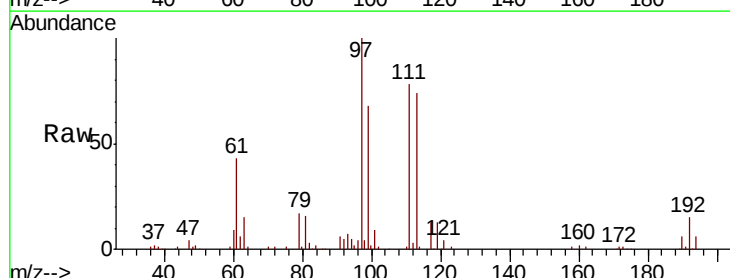
Tgt Ion: 97 Resp: 111209

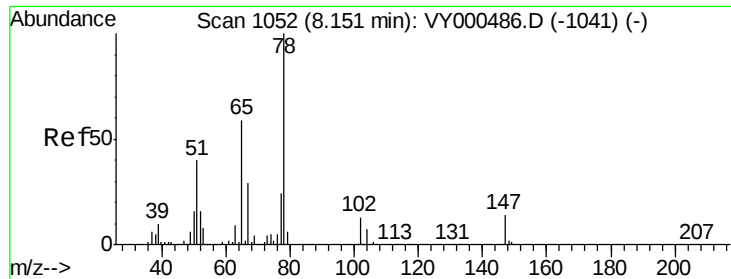
Ion Ratio Lower Upper

97 100

99 63.8 50.9 76.3

61 43.4 34.9 52.3





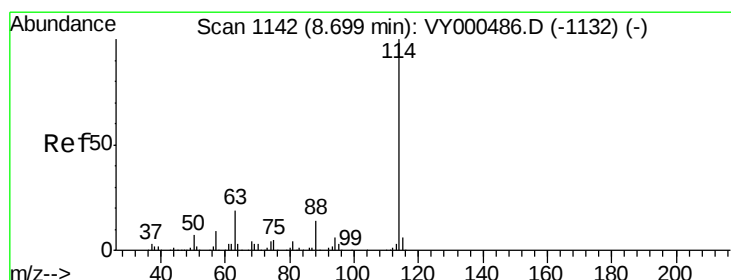
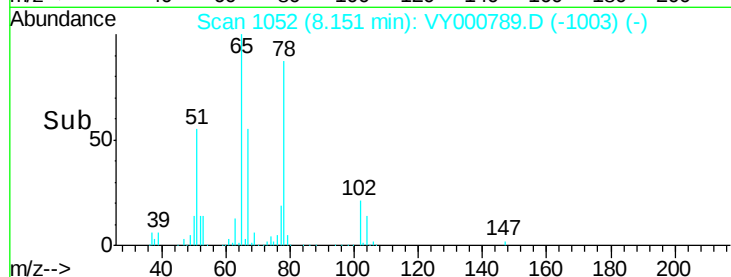
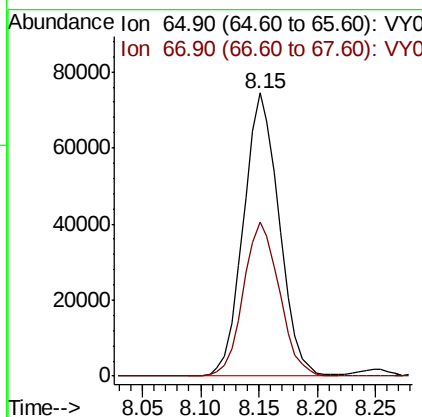
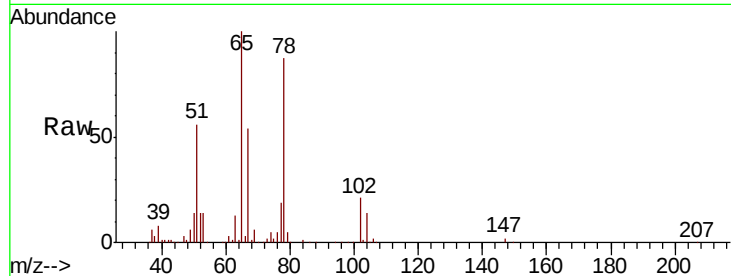
#33
 1,2-Dichloroethane-d4
 Concen: 49.548 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VY000789.D
 Acq: 22 Nov 2019 13:33

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1122SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.7	0.0	107.2	

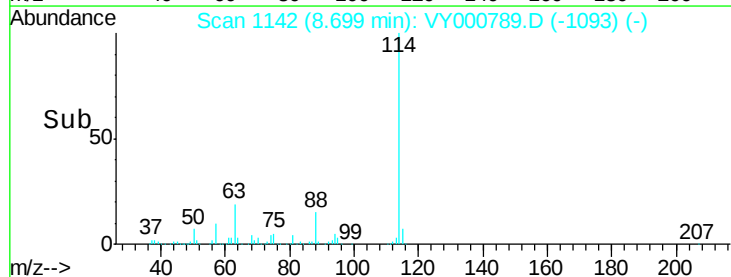
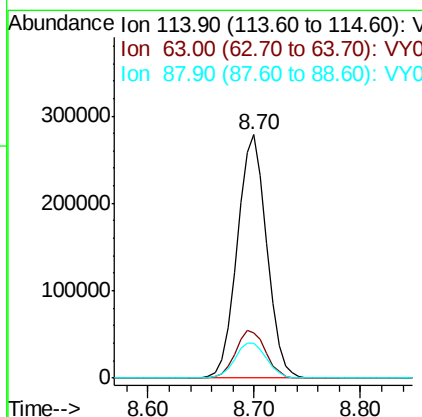
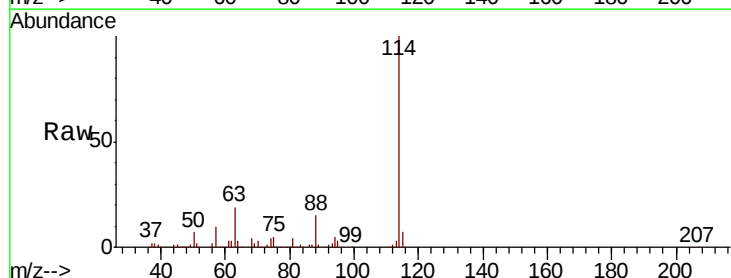
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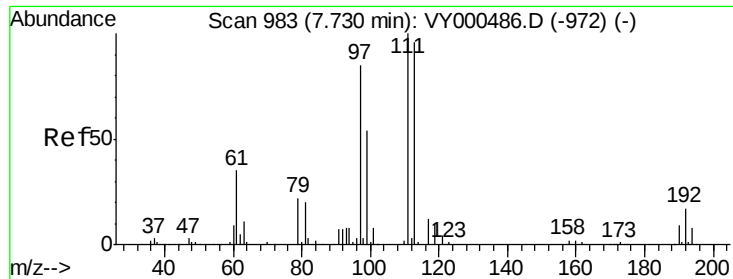
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. 0.00 min
 Lab File: VY000789.D
 Acq: 22 Nov 2019 13:33

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	18.7	0.0	38.0	
88	14.5	0.0	28.6	





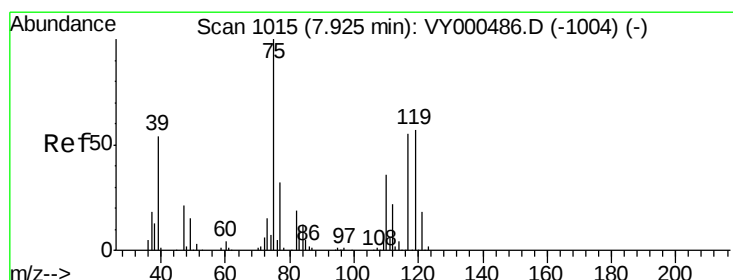
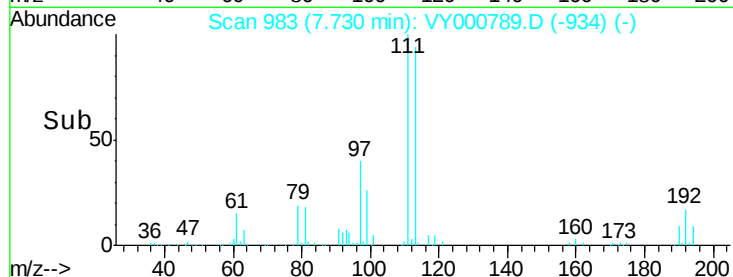
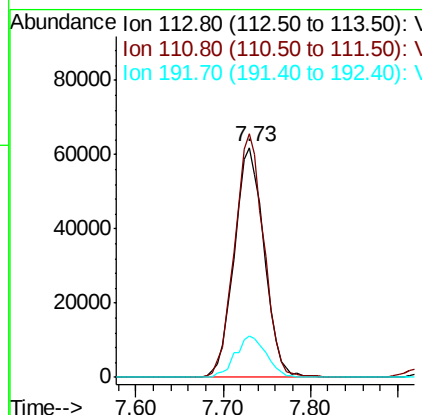
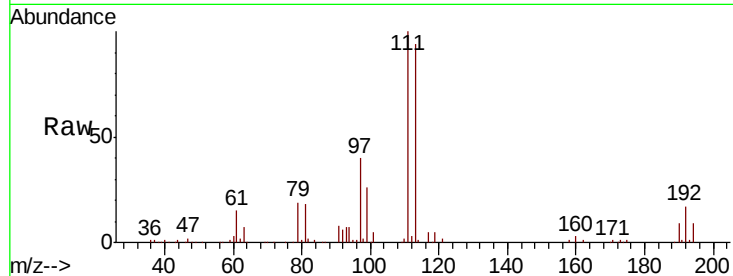
#35
 Dibromofluoromethane
 Concen: 46.395 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. 0.00 min
 Lab File: VY000789.D
 Acq: 22 Nov 2019 13:33

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1122SBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.7	81.7	122.5
192	18.5	15.0	22.4

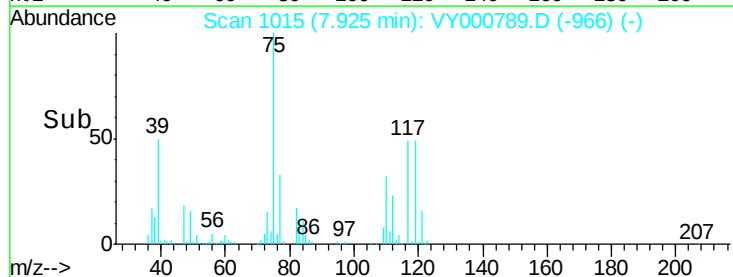
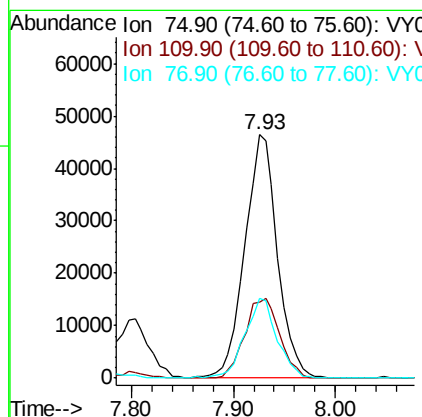
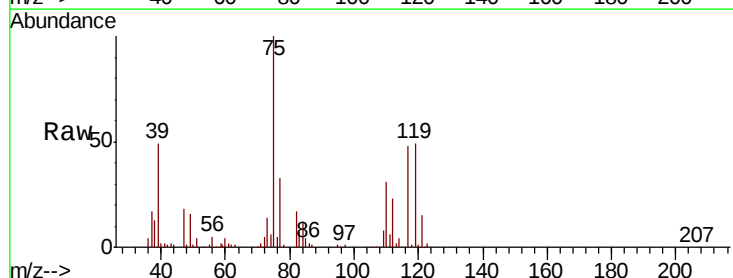
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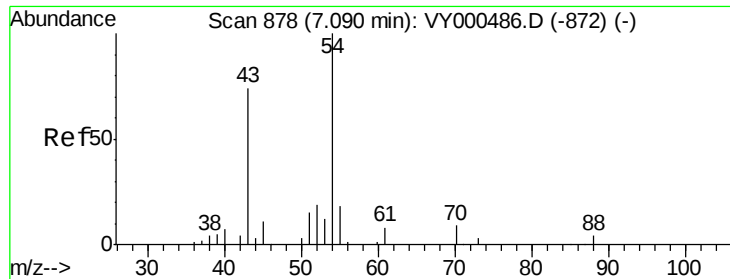
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#36
 1,1-Dichloropropene
 Concen: 20.206 ug/l
 RT: 7.93 min Scan# 1015
 Delta R.T. 0.00 min
 Lab File: VY000789.D
 Acq: 22 Nov 2019 13:33

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.2	18.1	54.1
77	32.5	25.0	37.6





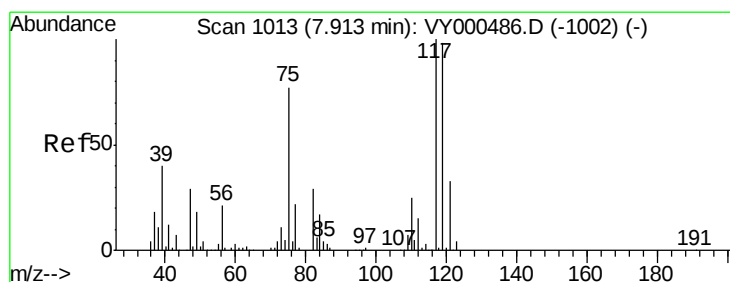
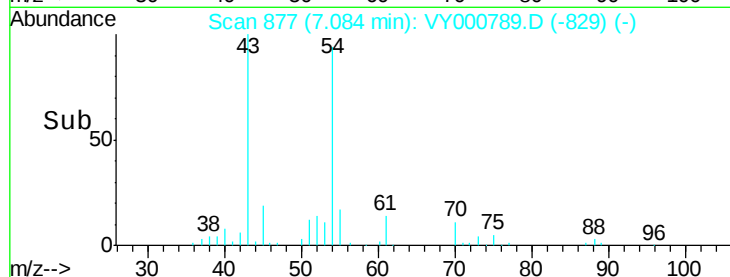
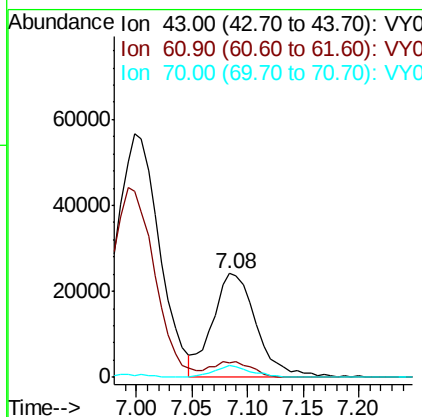
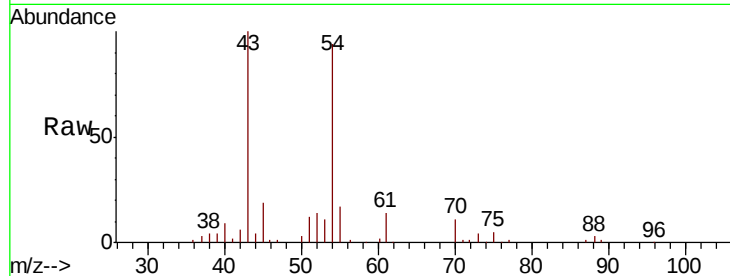
#37
Ethyl Acetate
Concen: 21.398 ug/l
RT: 7.08 min Scan# 877
Delta R.T. -0.01 min
Lab File: VY000789.D
Acq: 22 Nov 2019 13:33

Instrument :
MSVOA_Y
ClientSampleId :
VY1122SBS01

Tot Ion	43	61	70
Resp	64928		
Ratio	100	14.8	10.5
Lower		10.2	7.8
Upper		15.2	11.8

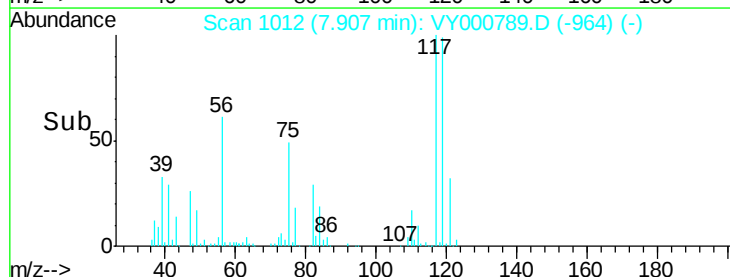
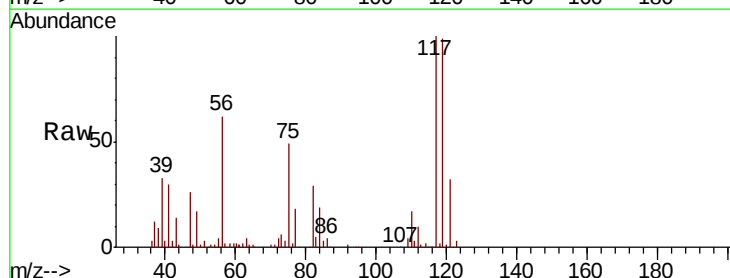
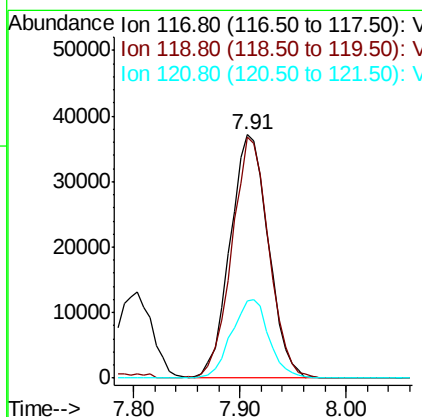
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#38
Carbon Tetrachloride
Concen: 19.069 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. -0.01 min
Lab File: VY000789.D
Acq: 22 Nov 2019 13:33

Tgt Ion	117	119	121
Resp	93776		
Ratio	100	99.2	31.6
Lower		78.0	26.6
Upper		117.0	40.0





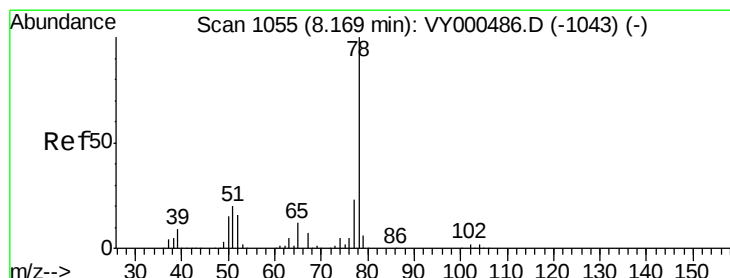
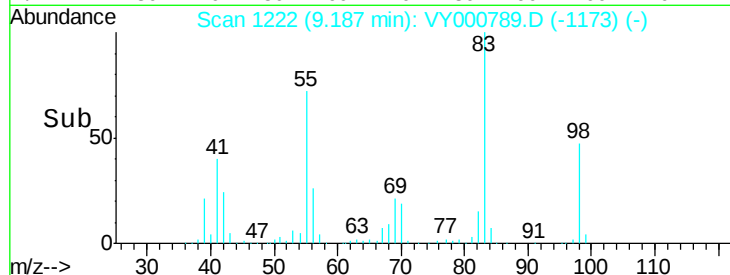
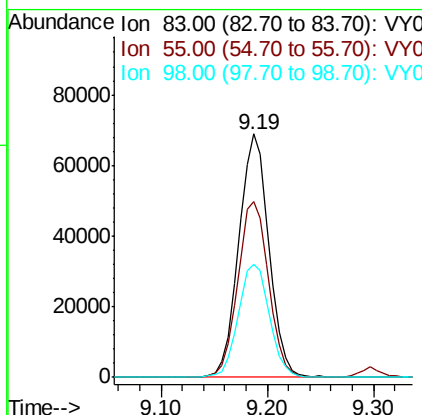
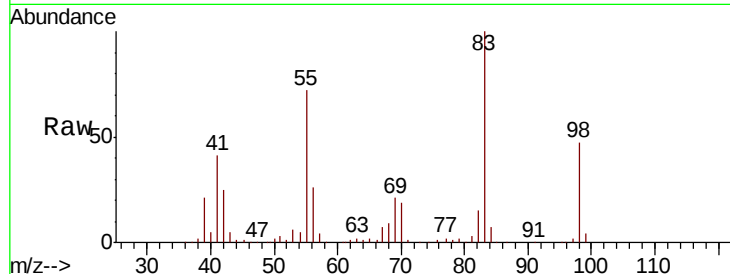
#39
Methvlcvclohexane
Concen: 20.678 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. 0.00 min
Lab File: VY000789.D
Acq: 22 Nov 2019 13:33

Instrument :
MSVOA_Y
ClientSampleId :
VY1122SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.3	57.5	86.3
98	46.5	38.0	57.0

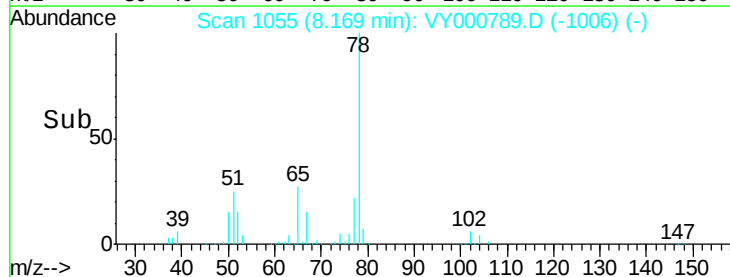
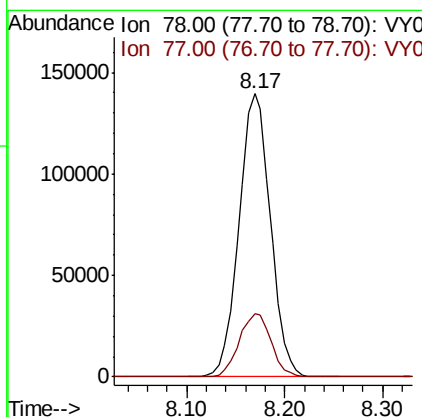
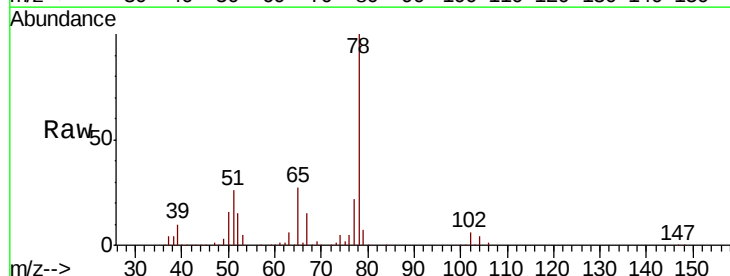
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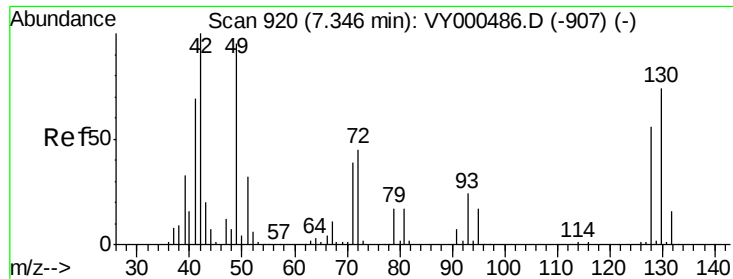
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#40
Benzene
Concen: 20.692 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. 0.00 min
Lab File: VY000789.D
Acq: 22 Nov 2019 13:33

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.1	18.6	28.0





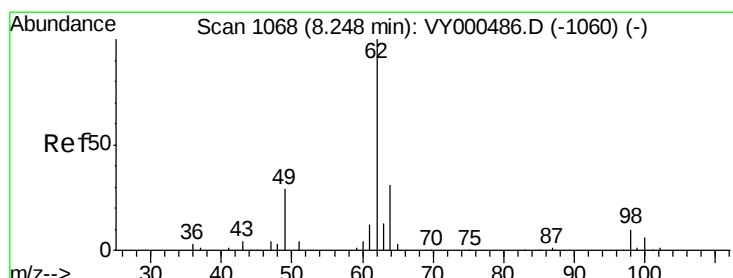
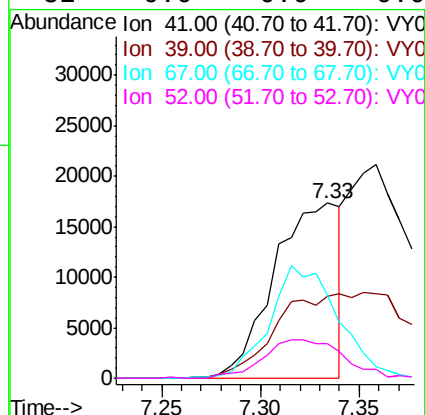
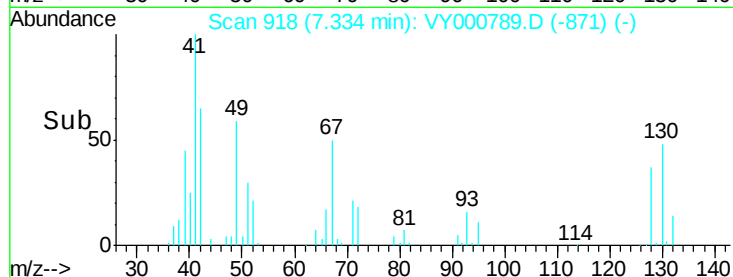
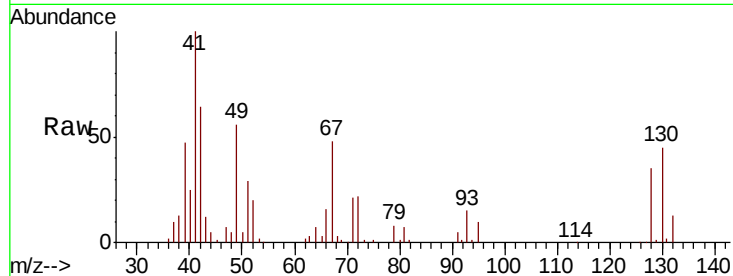
#41
Methacrylonitrile
Concen: 24.093 ug/l m
RT: 7.33 min Scan# 918
Delta R.T. -0.01 min
Lab File: VY000789.D
Acq: 22 Nov 2019 13:33

Instrument :
MSVOA_Y
ClientSampleId :
VY1122SBS01

Tot Ion:	41	Resp:	40782
Ion	Ratio	Lower	Upper
41	100		
39	96.2	68.2	102.4
67	0.0	0.0	0.0
52	0.0	0.0	0.0

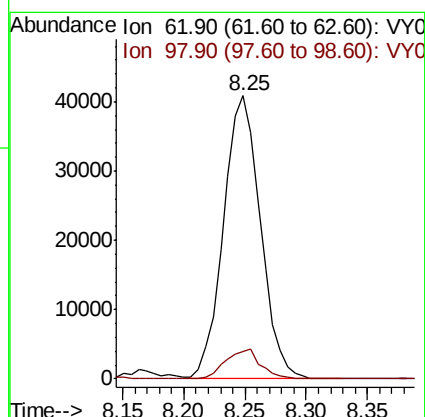
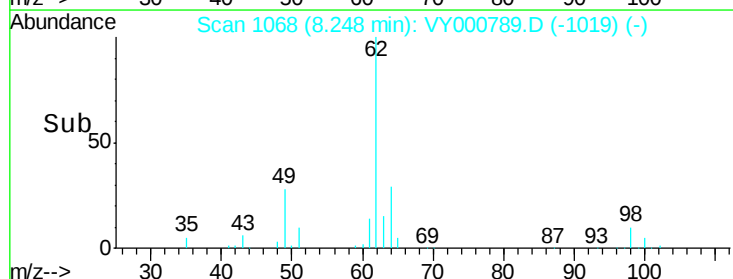
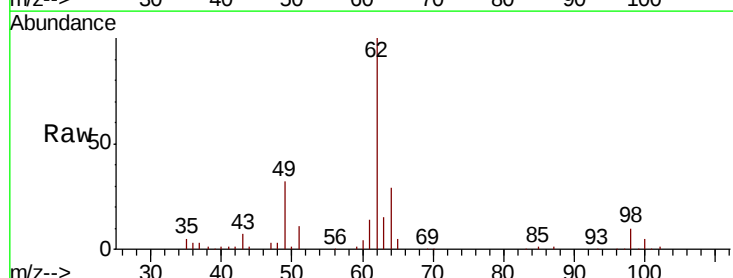
Manual Integrations
APPROVED

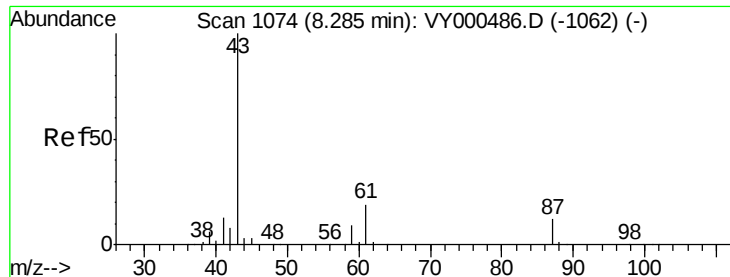
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#42
1,2-Dichloroethane
Concen: 20.115 ug/l
RT: 8.25 min Scan# 1068
Delta R.T. 0.00 min
Lab File: VY000789.D
Acq: 22 Nov 2019 13:33

Tgt Ion:	62	Resp:	85483
Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	19.2





#43

Isopropyl Acetate

Concen: 21.379 ug/l

RT: 8.28 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VY000789.D

Acq: 22 Nov 2019 13:33

Instrument :

MSVOA_Y

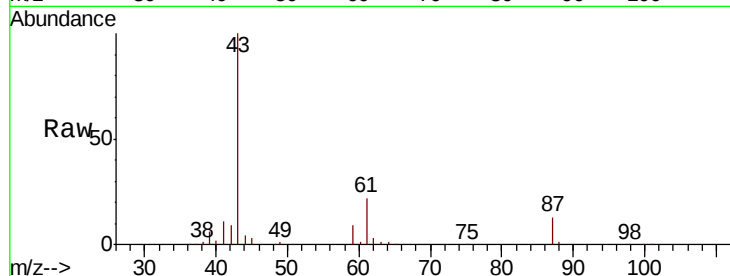
ClientSampleId :

VY1122SBS01

Tot Ion:	43	Resp:	121858
Ion	Ratio	Lower	Upper
43	100		
61	29.0	23.0	34.4
87	13.4	10.5	15.7

Manual Integrations
APPROVED

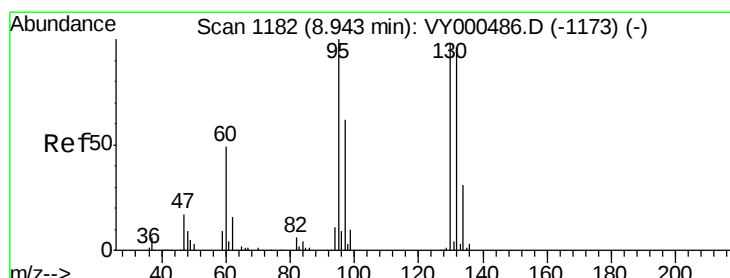
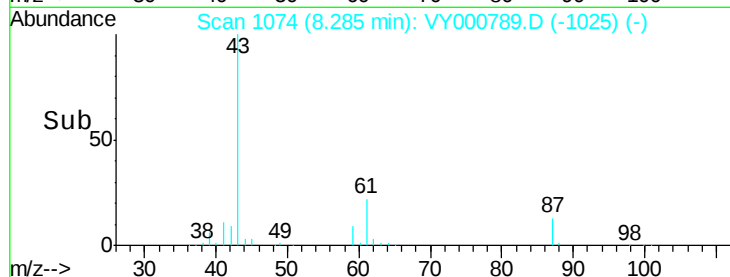
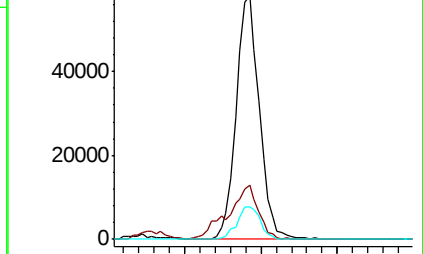
MMDadoda
11/26/2019 1:34:01 AM



Abundance Ion 43.00 (42.70 to 43.70): VY000486.D (-1062) (-)

Ion 61.00 (60.70 to 61.70): VY000486.D (-1062) (-)

Ion 87.00 (86.70 to 87.70): VY000486.D (-1062) (-)



#44

Trichloroethene

Concen: 20.589 ug/l

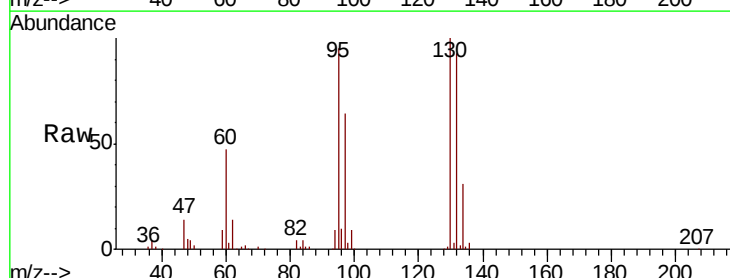
RT: 8.94 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VY000789.D

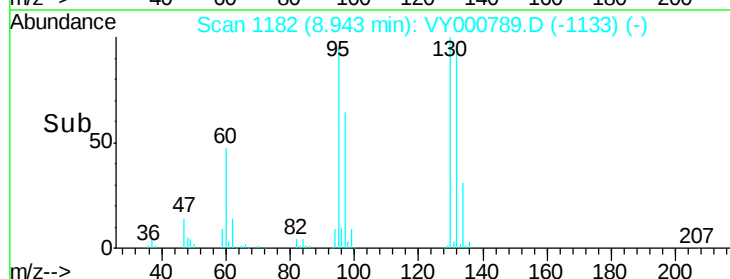
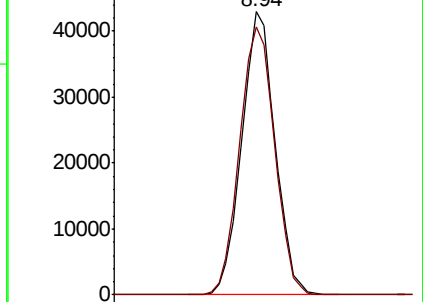
Acq: 22 Nov 2019 13:33

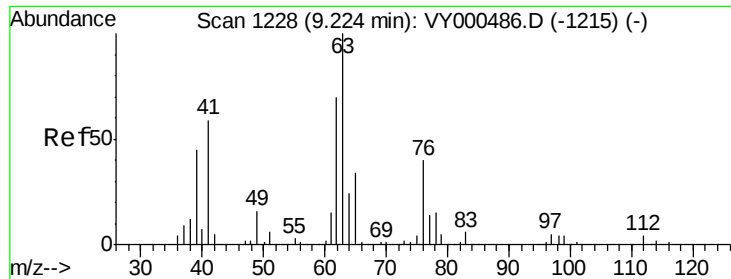
Tgt Ion:	130	Resp:	81339
Ion	Ratio	Lower	Upper
130	100		
95	94.7	0.0	203.2



Abundance Ion 129.80 (129.50 to 130.50): VY000486.D (-1173) (-)

Ion 94.90 (94.60 to 95.60): VY000486.D (-1173) (-)





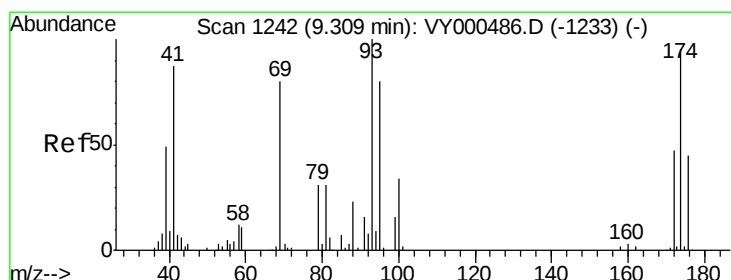
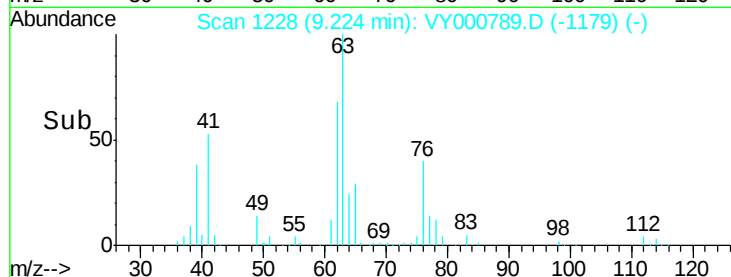
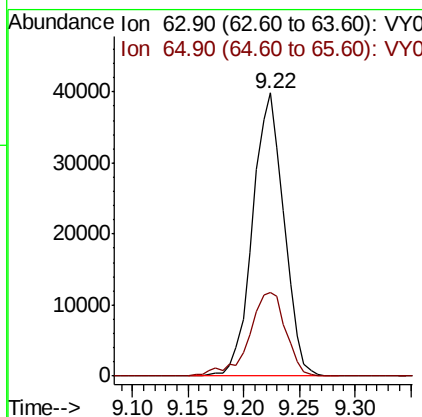
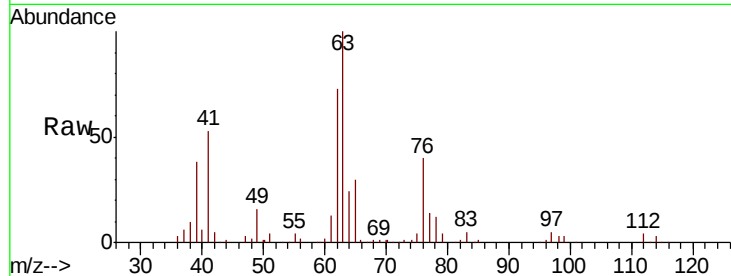
#45
 1,2-Dichloropropane
 Concen: 21.211 ug/l
 RT: 9.22 min Scan# 1228
 Delta R.T. 0.00 min
 Lab File: VY000789.D
 Acq: 22 Nov 2019 13:33

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1122SBS01

Tot Ion: 63 Resp: 78222
 Ion Ratio Lower Upper
 63 100
 65 29.8 27.0 40.4

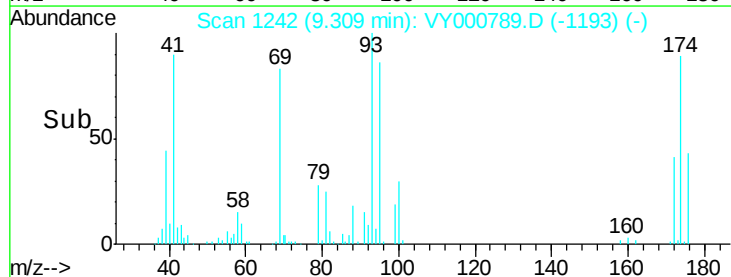
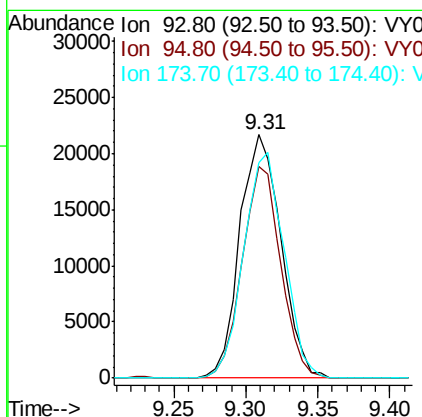
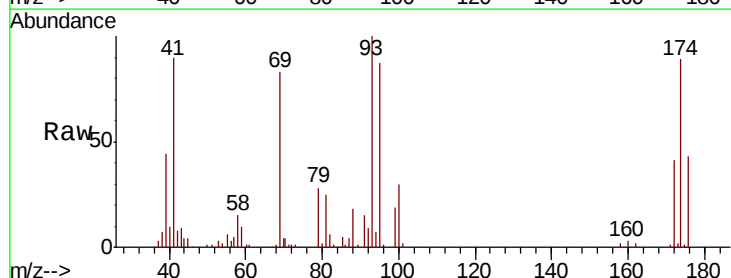
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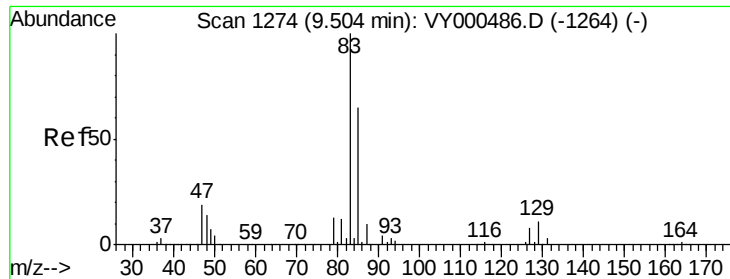
MMDadoda
 11/26/2019 1:34:01 AM



#46
 Dibromomethane
 Concen: 21.208 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VY000789.D
 Acq: 22 Nov 2019 13:33

Tgt Ion: 93 Resp: 43012
 Ion Ratio Lower Upper
 93 100
 95 80.8 66.4 99.6
 174 90.7 77.1 115.7





#47

Bromodichloromethane

Concen: 20.251 ug/l

RT: 9.50 min Scan# 1274

Delta R.T. 0.00 min

Lab File: VY000789.D

Acq: 22 Nov 2019 13:33

Instrument :

MSVOA_Y

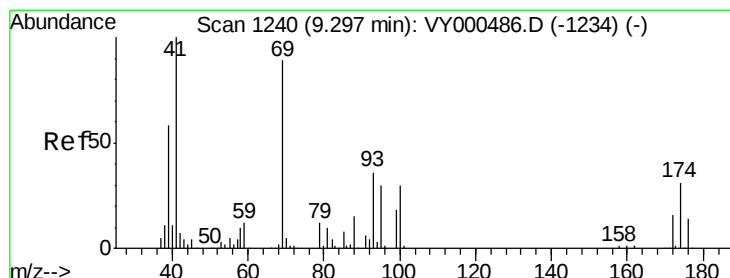
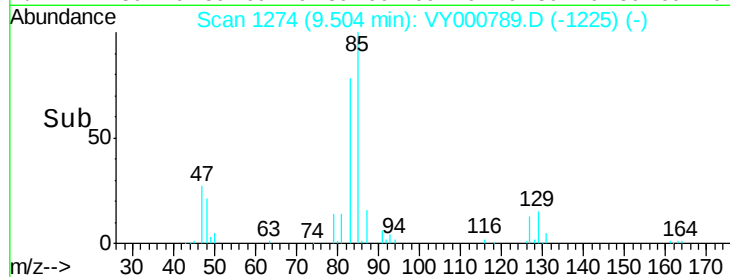
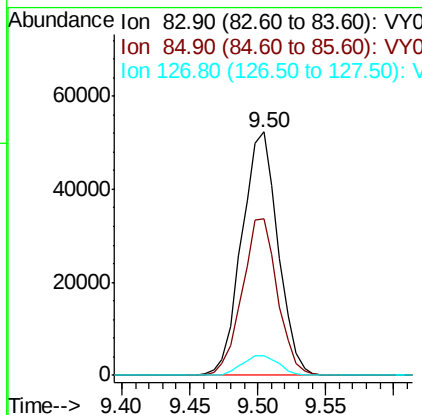
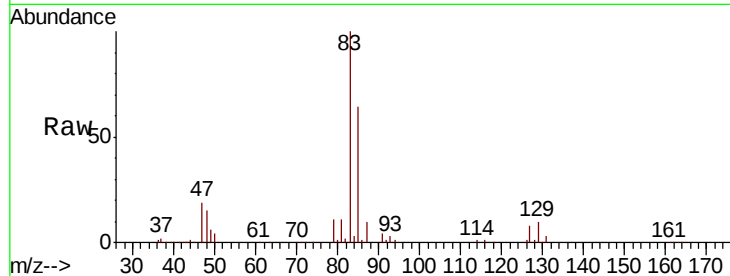
ClientSampleId :

VY1122SBS01

Tot Ion:	83	Resp:	97456
Ion Ratio	Lower	Upper	
83	100		
85	64.5	51.8	77.8
127	8.3	6.7	10.1

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#48

Methyl methacrylate

Concen: 21.689 ug/l

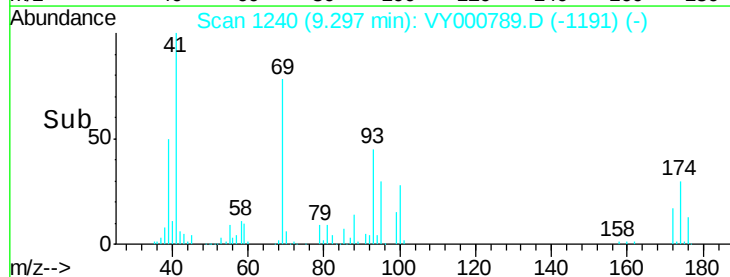
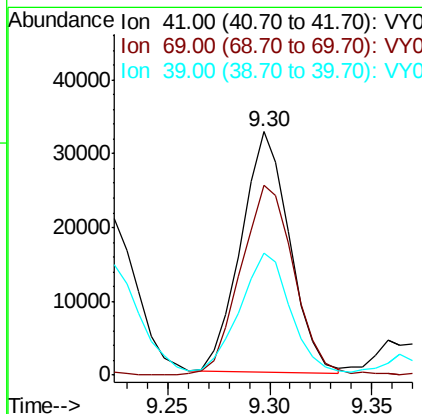
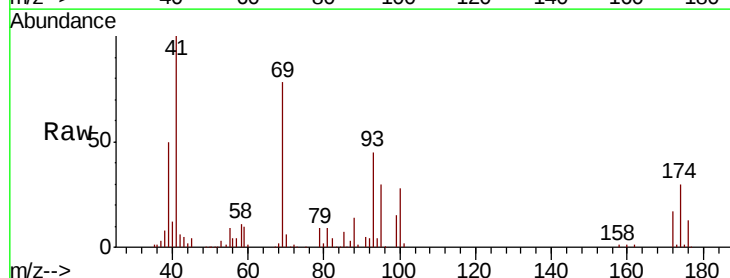
RT: 9.30 min Scan# 1240

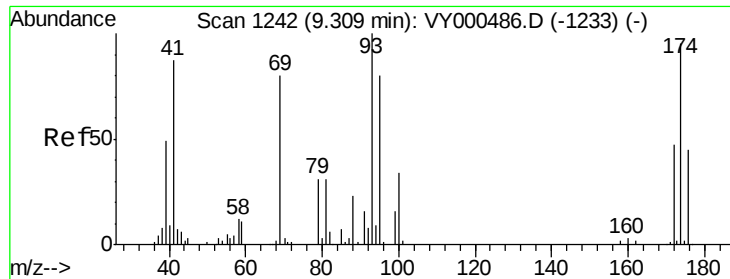
Delta R.T. 0.00 min

Lab File: VY000789.D

Acq: 22 Nov 2019 13:33

Tgt Ion:	41	Resp:	54016
Ion Ratio	Lower	Upper	
41	100		
69	86.7	72.5	108.7
39	54.3	47.8	71.8





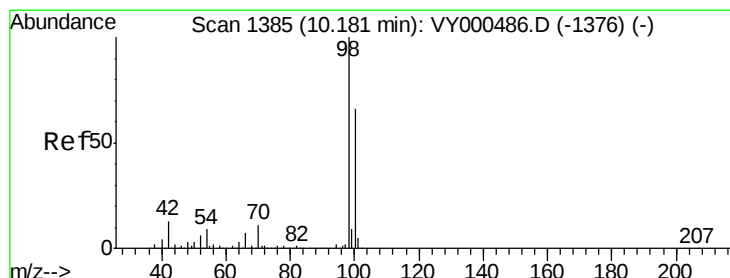
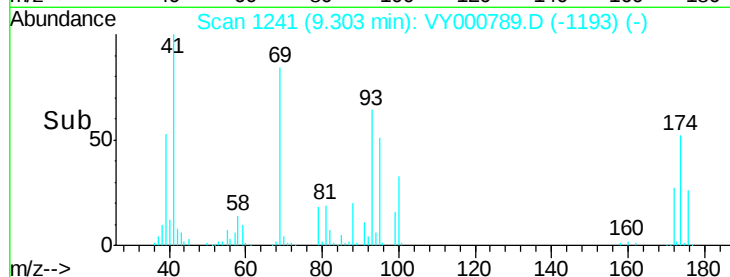
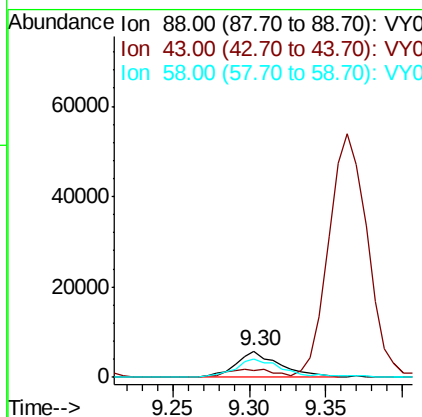
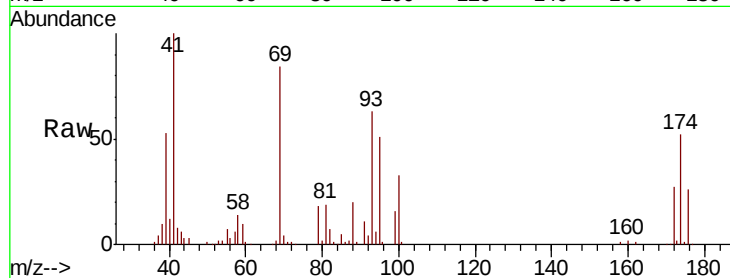
#49
1,4-Dioxane
Concen: 419.846 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. -0.01 min
Lab File: VY000789.D
Acq: 22 Nov 2019 13:33

Instrument :
MSVOA_Y
ClientSampleId :
VY1122SBS01

Tot Ion	88	Resp	11460
Ion	Ratio	Lower	Upper
88	100		
43	32.7	25.1	37.7
58	79.0	50.6	75.8

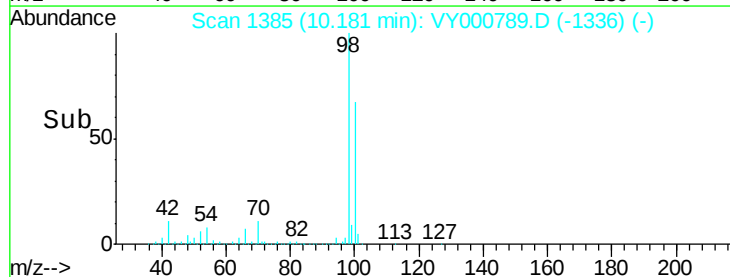
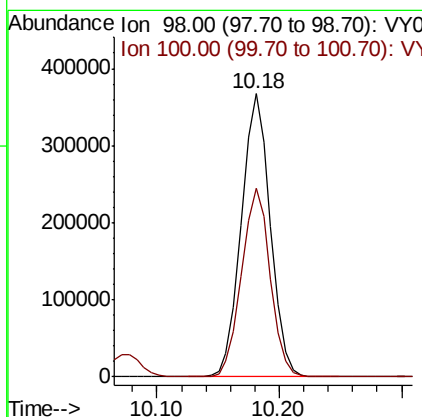
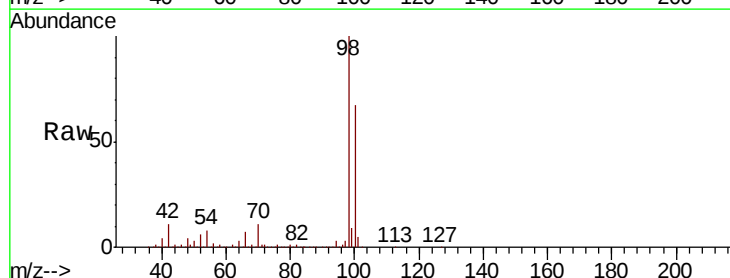
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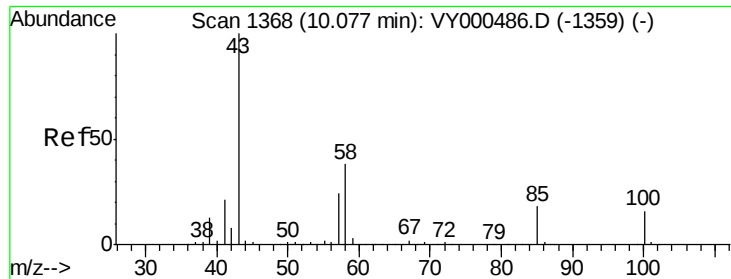
MMDadoda
11/26/2019 1:34:01 AM



#50
Toluene-d8
Concen: 49.893 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VY000789.D
Acq: 22 Nov 2019 13:33

Tgt Ion	98	Resp	600864
Ion	Ratio	Lower	Upper
98	100		
100	66.1	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 108.843 ug/l

RT: 10.07 min Scan# 1367

Delta R.T. -0.01 min

Lab File: VY000789.D

Acq: 22 Nov 2019 13:33

Instrument :

MSVOA_Y

ClientSampleId :

VY1122SBS01

Tot Ion: 43 Resp: 329853

Ion Ratio Lower Upper

43 100

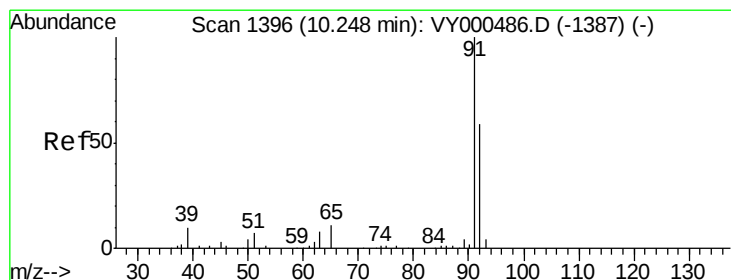
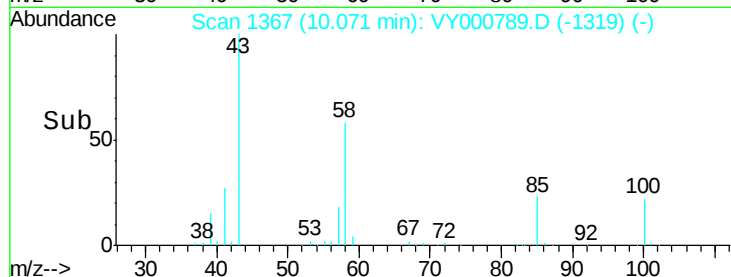
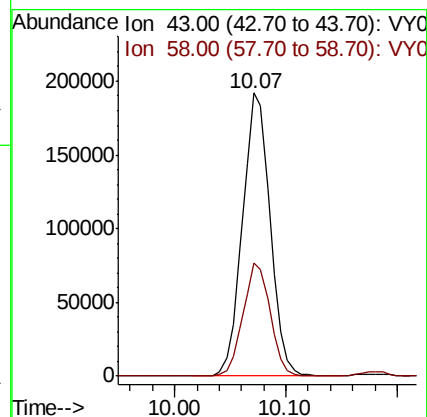
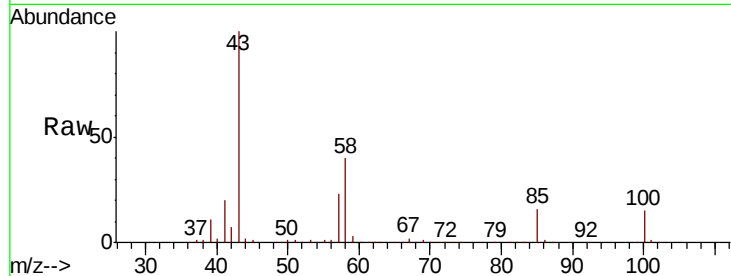
58 39.4 30.2 45.4

Manual Integrations

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#52

Toluene

Concen: 20.443 ug/l

RT: 10.25 min Scan# 1396

Delta R.T. 0.00 min

Lab File: VY000789.D

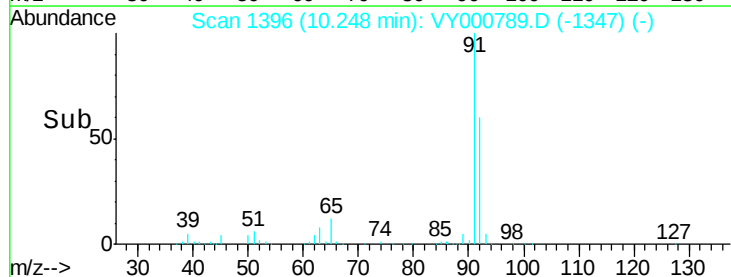
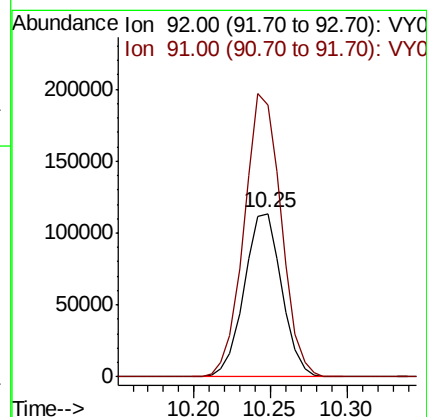
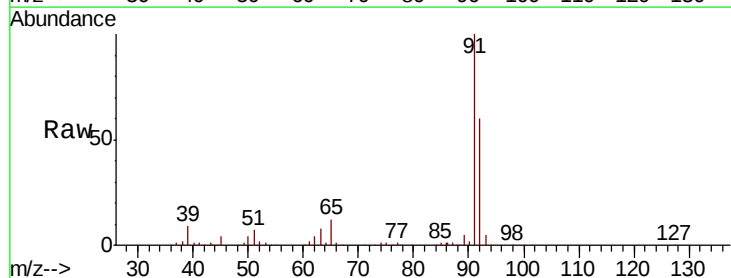
Acq: 22 Nov 2019 13:33

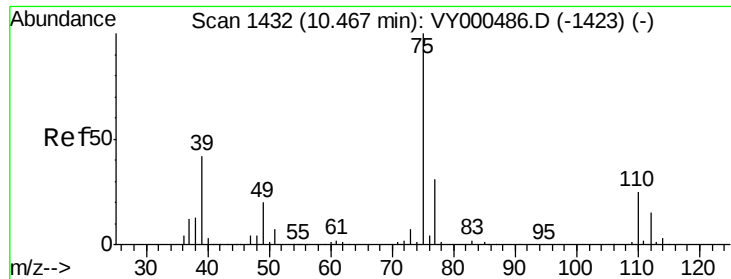
Tgt Ion: 92 Resp: 193657

Ion Ratio Lower Upper

92 100

91 171.3 136.3 204.5





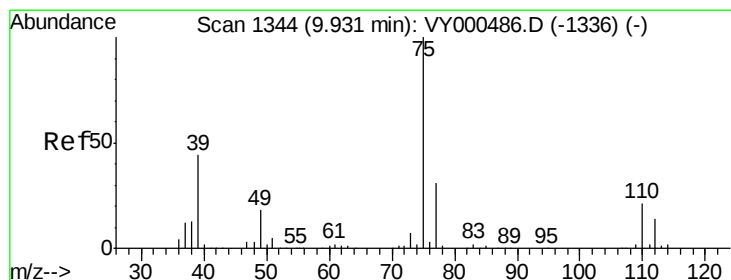
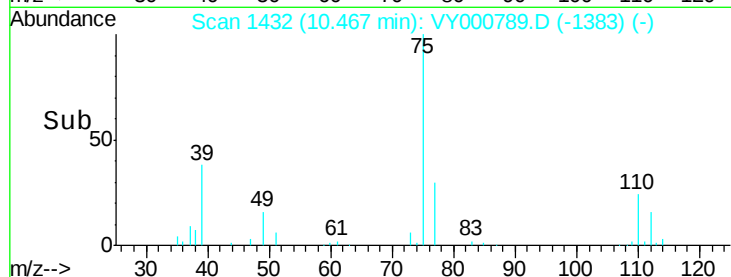
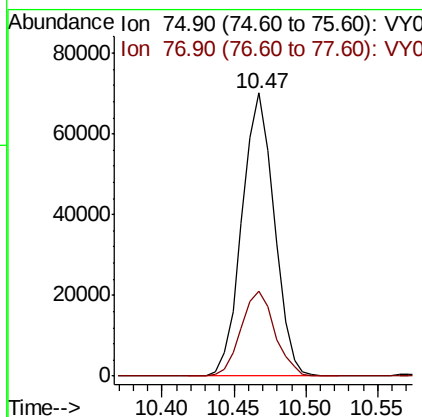
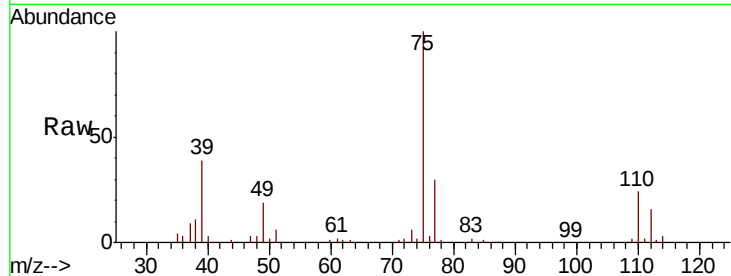
#53
t-1,3-Dichloropropene
Concen: 21.160 ug/l
RT: 10.47 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VY000789.D
Acq: 22 Nov 2019 13:33

Instrument :
MSVOA_Y
ClientSampleId :
VY1122SBS01

Tot Ion: 75 Resp: 108803
Ion Ratio Lower Upper
75 100
77 30.0 24.6 37.0

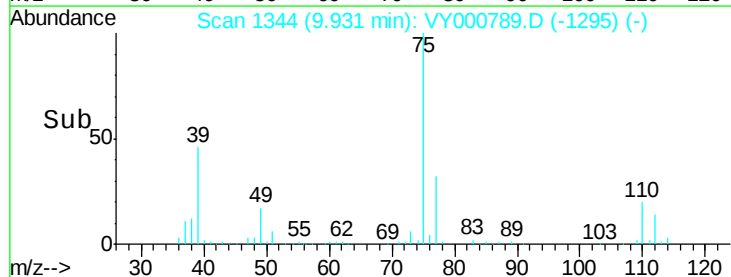
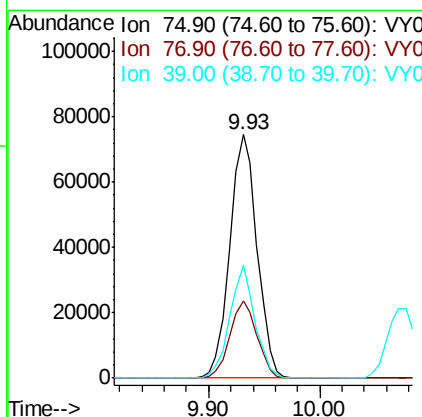
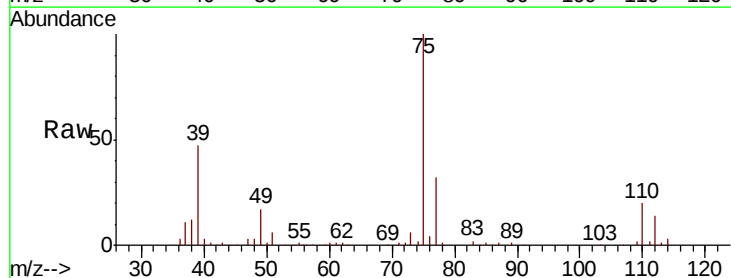
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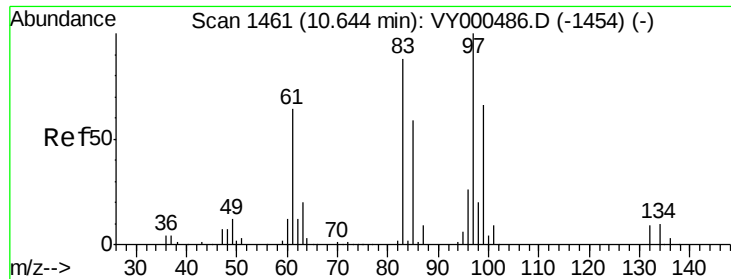
MMDadoda
11/26/2019 1:34:01 AM



#54
cis-1,3-Dichloropropene
Concen: 21.358 ug/l
RT: 9.93 min Scan# 1344
Delta R.T. 0.00 min
Lab File: VY000789.D
Acq: 22 Nov 2019 13:33

Tgt Ion: 75 Resp: 125813
Ion Ratio Lower Upper
75 100
77 31.6 24.5 36.7
39 46.5 35.4 53.2





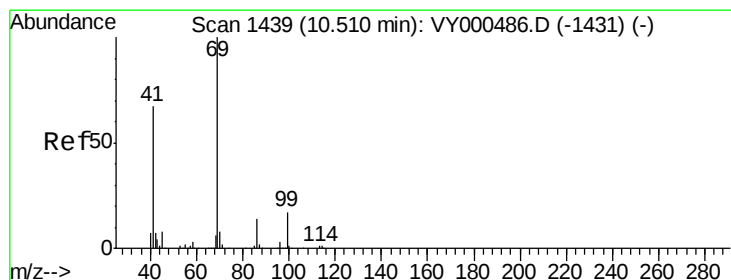
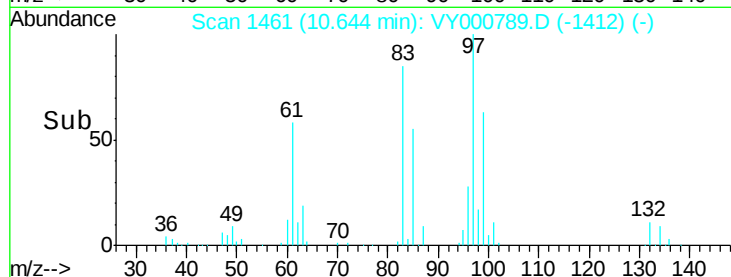
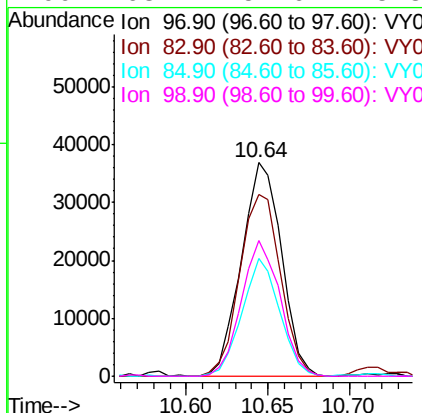
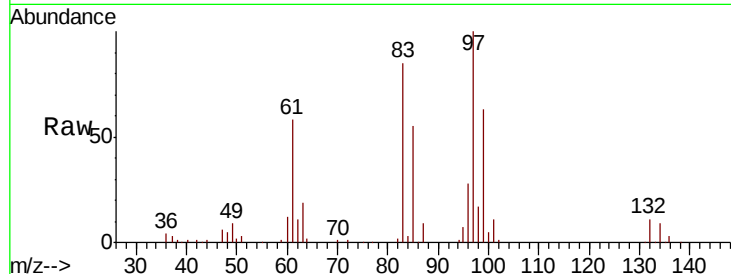
#55
 1,1,2-Trichloroethane
 Concen: 21.536 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. 0.00 min
 Lab File: VY000789.D
 Acq: 22 Nov 2019 13:33

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1122SBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	85.3	70.2	105.4
85	55.5	46.9	70.3
99	63.4	52.6	78.8

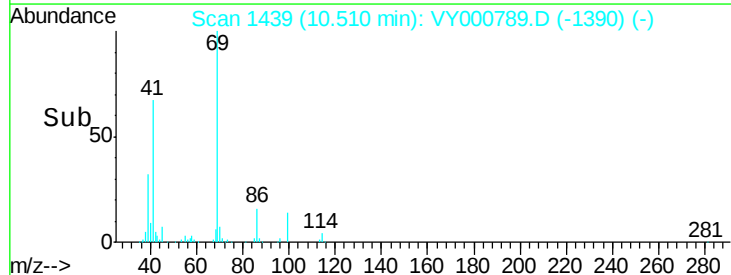
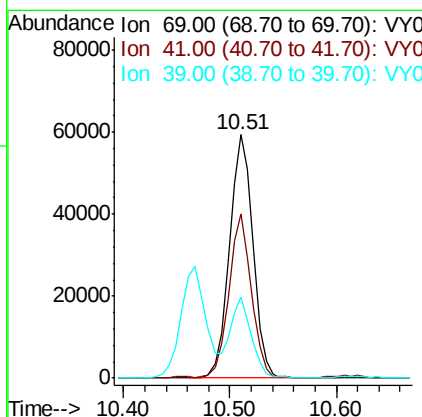
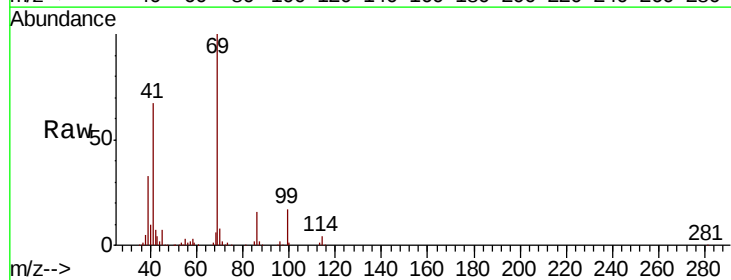
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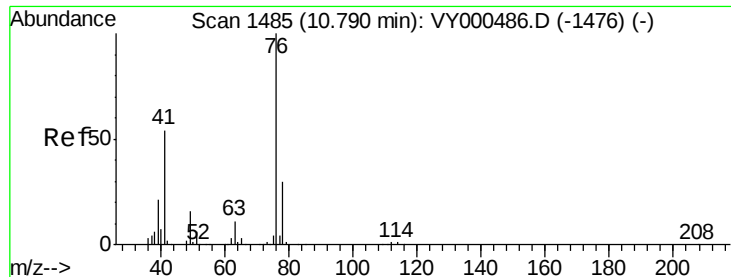
MMDadoda
 11/26/2019 1:34:01 AM



#56
 Ethyl methacrylate
 Concen: 22.070 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. 0.00 min
 Lab File: VY000789.D
 Acq: 22 Nov 2019 13:33

Tgt Ion	Ratio	Lower	Upper
69	100		
41	64.1	53.3	79.9
39	31.9	28.0	42.0





#57

1,3-Dichloropropane

Concen: 21.536 ug/l

RT: 10.79 min Scan# 1485

Delta R.T. 0.00 min

Lab File: VY000789.D

Acq: 22 Nov 2019 13:33

Instrument :

MSVOA_Y

ClientSampleId :

VY1122SBS01

Tot Ion: 76 Resp: 110571

Ion Ratio Lower Upper

76 100

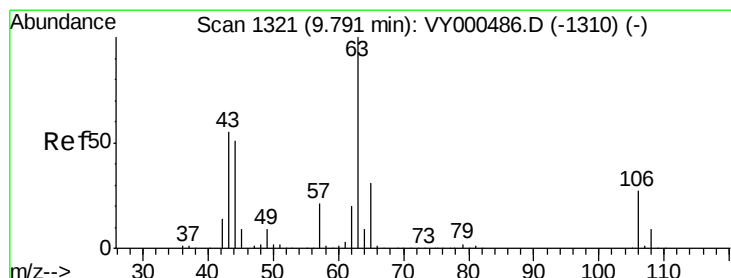
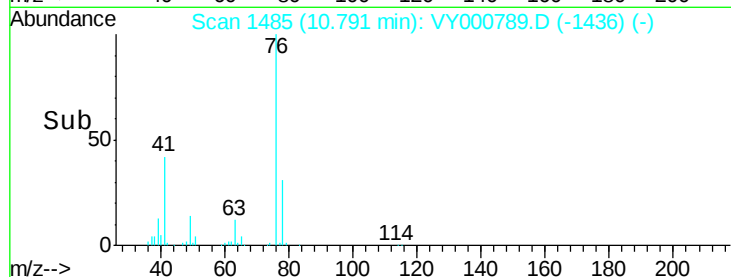
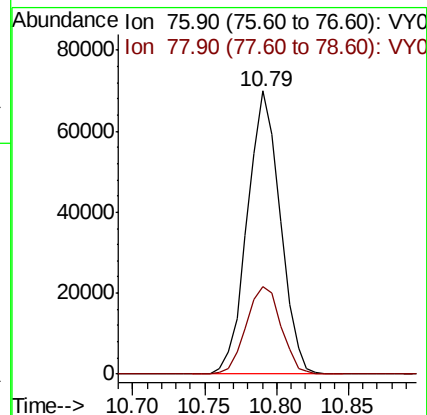
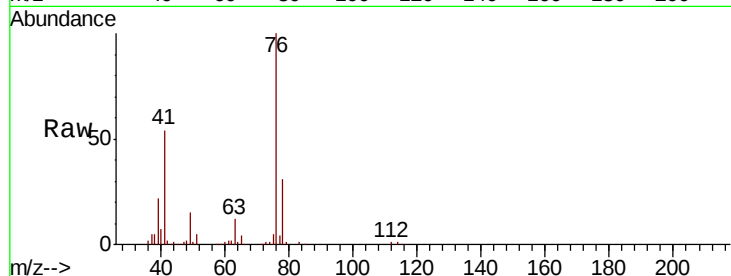
78 32.9 25.2 37.8

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 105.558 ug/l

RT: 9.78 min Scan# 1320

Delta R.T. -0.01 min

Lab File: VY000789.D

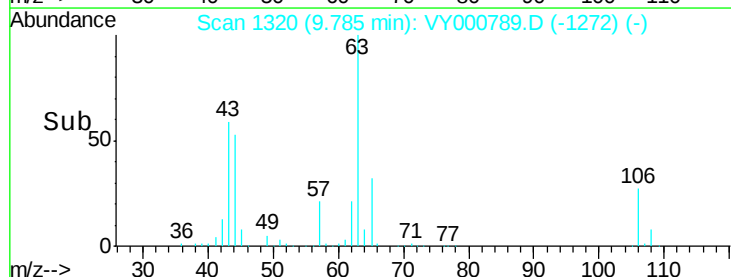
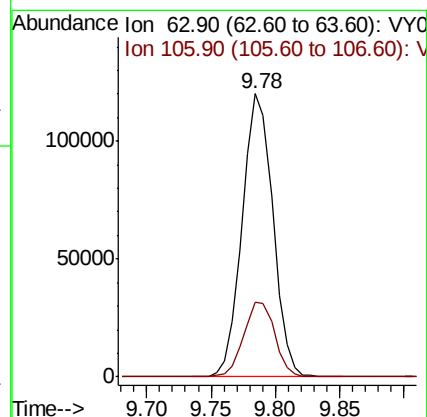
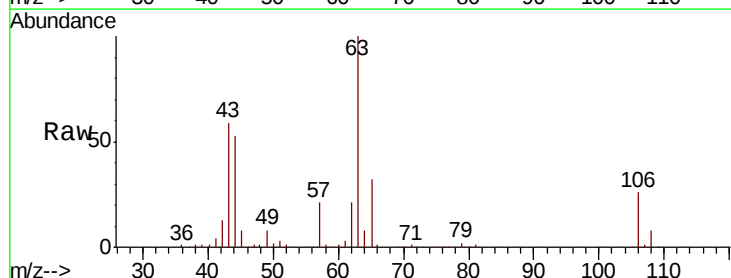
Acq: 22 Nov 2019 13:33

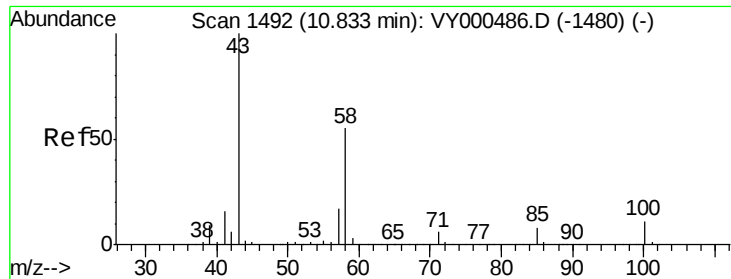
Tgt Ion: 63 Resp: 198412

Ion Ratio Lower Upper

63 100

106 26.6 22.6 33.8





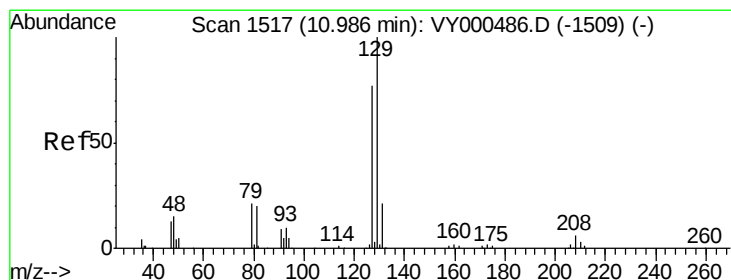
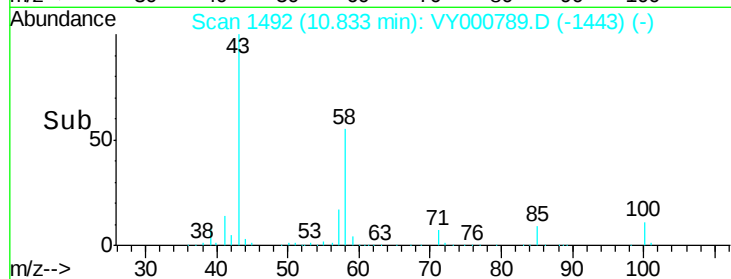
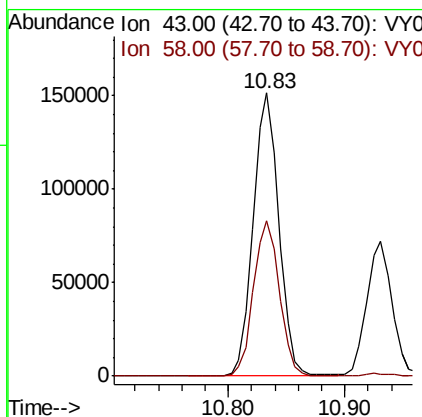
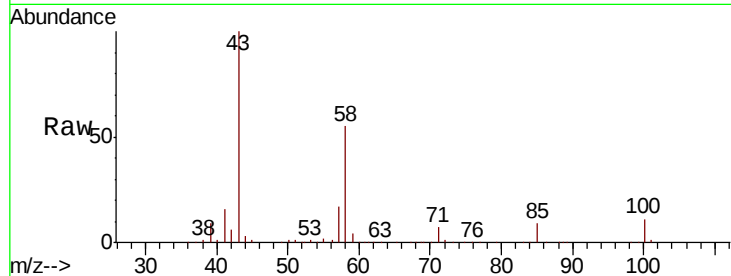
#59
2-Hexanone
Concen: 106.061 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VY000789.D
Acq: 22 Nov 2019 13:33

Instrument :
MSVOA_Y
ClientSampleId :
VY1122SBSD01

Tot Ion	43	Resp	234187
Ion Ratio	100	Lower	Upper
58	55.3	27.1	81.3

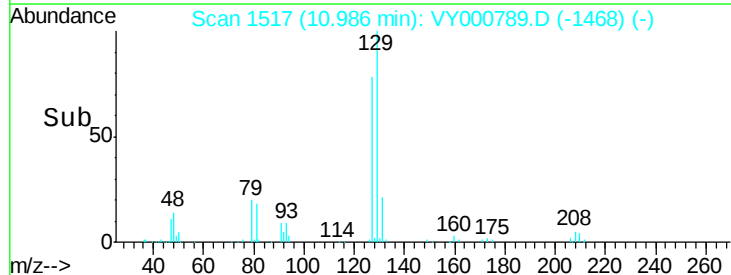
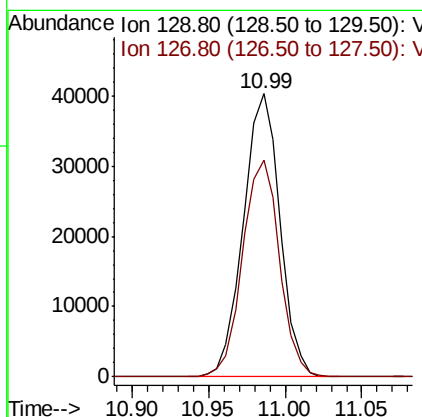
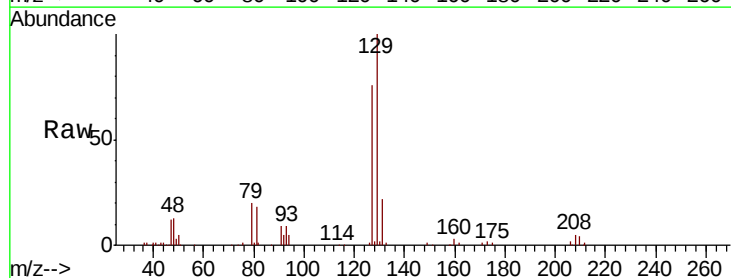
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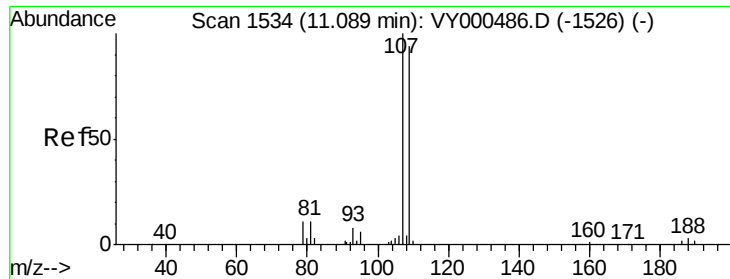
MMDadoda
11/26/2019 1:34:01 AM



#60
Dibromochloromethane
Concen: 19.922 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VY000789.D
Acq: 22 Nov 2019 13:33

Tgt Ion	129	Resp	66938
Ion Ratio	100	Lower	Upper
127	77.3	39.1	117.2





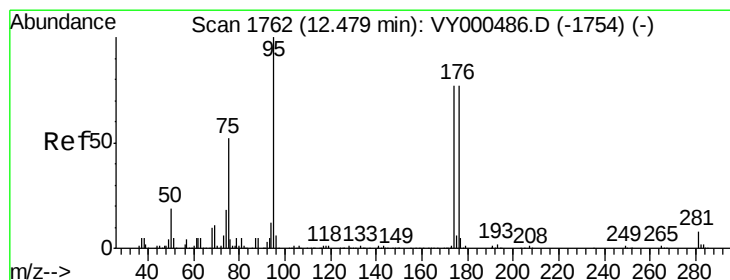
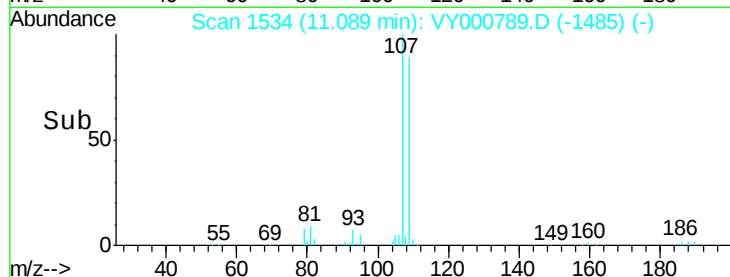
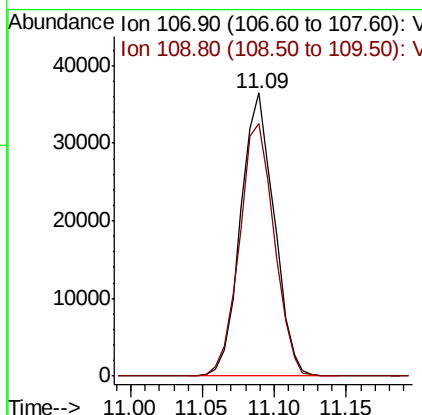
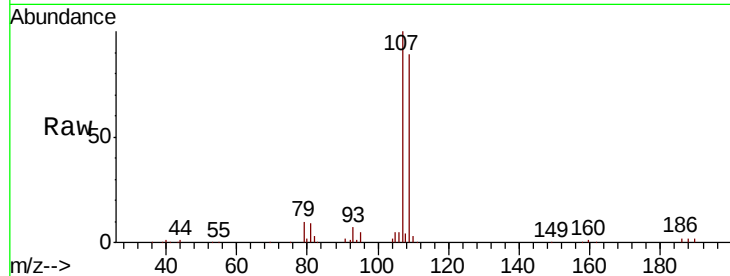
#61
 1,2-Dibromoethane
 Concen: 20.851 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VY000789.D
 Acq: 22 Nov 2019 13:33

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1122SBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.6	73.6	110.4

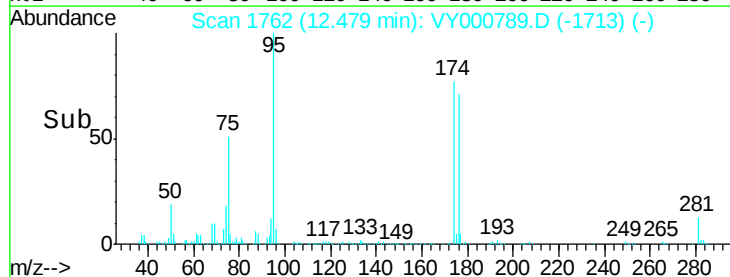
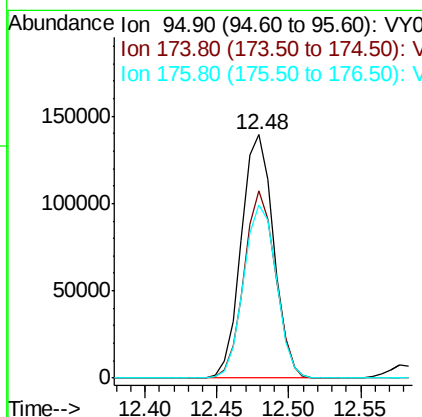
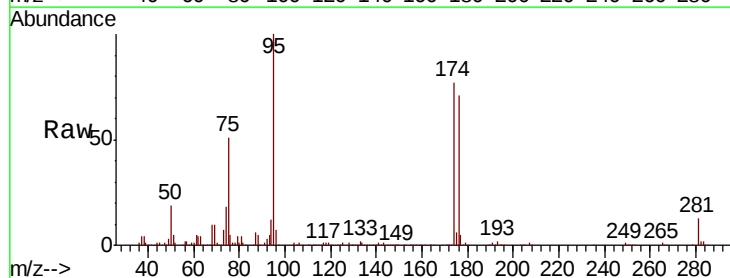
Manual Integrations
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MMDadoda
 11/26/2019 1:34:01 AM



#62
 4-Bromofluorobenzene
 Concen: 47.291 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: VY000789.D
 Acq: 22 Nov 2019 13:33

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.8	0.0	161.6
176	72.0	0.0	157.8





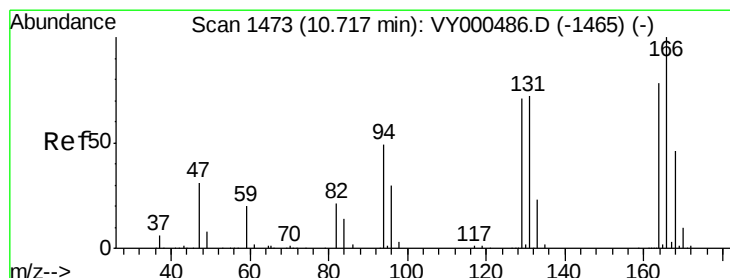
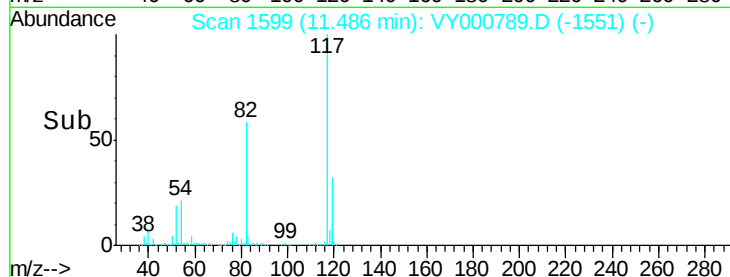
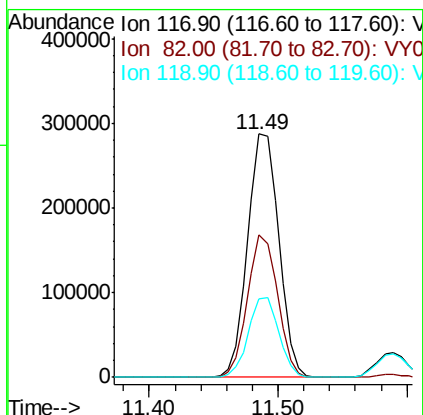
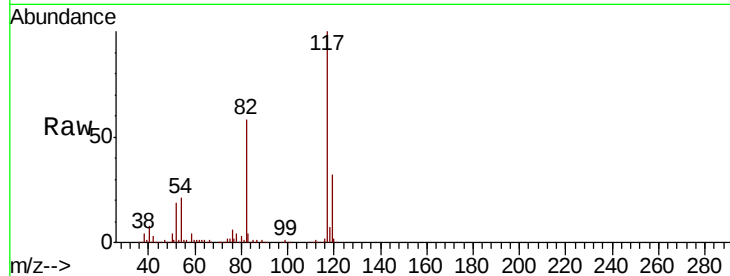
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VY000789.D
Acq: 22 Nov 2019 13:33

Instrument :
MSVOA_Y
ClientSampleId :
VY1122SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.5	40.8	61.2
119	32.1	26.2	39.2

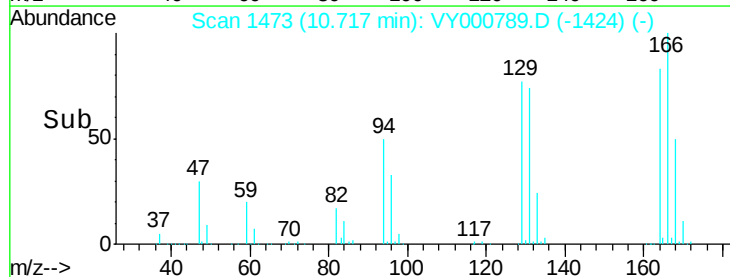
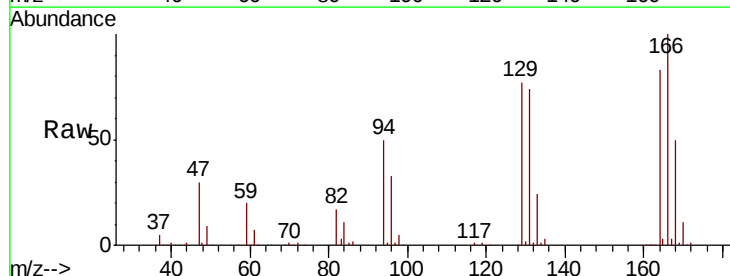
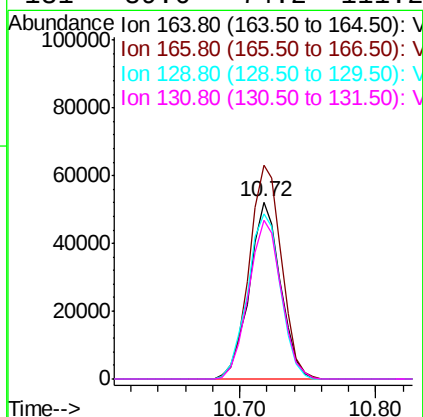
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APPROVED

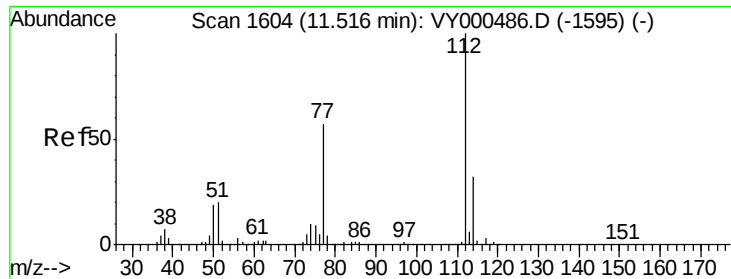
MMDadoda
11/26/2019 1:34:01 AM



#64
Tetrachloroethene
Concen: 21.139 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VY000789.D
Acq: 22 Nov 2019 13:33

Tgt Ion	Ratio	Lower	Upper
164	100		
166	120.5	102.7	154.1
129	92.9	73.2	109.8
131	89.6	74.2	111.2





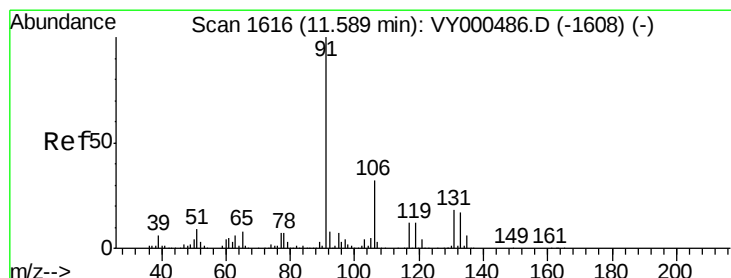
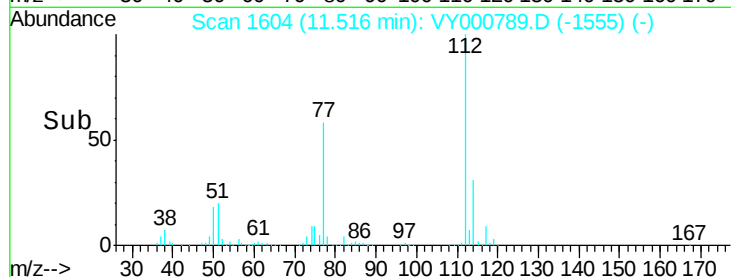
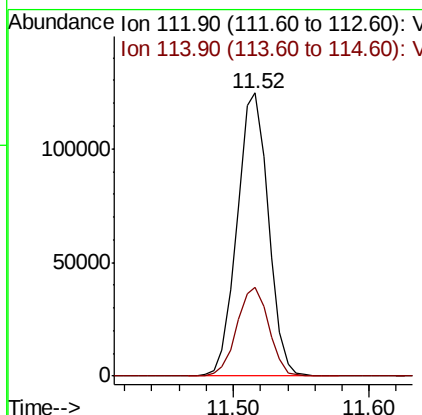
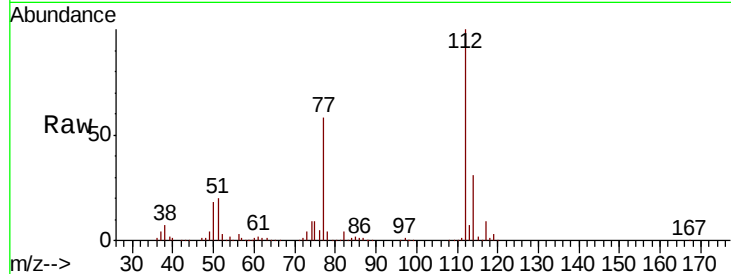
#65
Chlorobenzene
Concen: 20.477 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VY000789.D
Acq: 22 Nov 2019 13:33

Instrument :
MSVOA_Y
ClientSampleId :
VY1122SBS01

Tot Ion:112 Resp: 199628
Ion Ratio Lower Upper
112 100
114 31.5 25.3 37.9

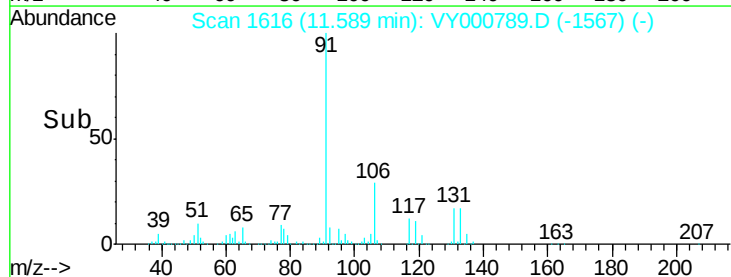
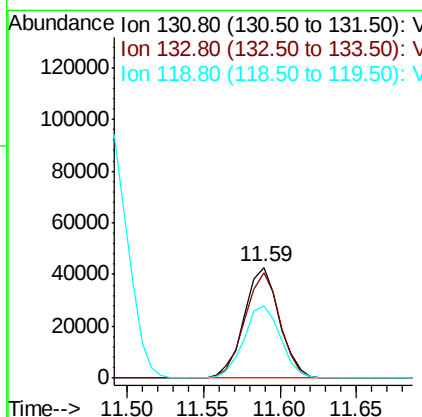
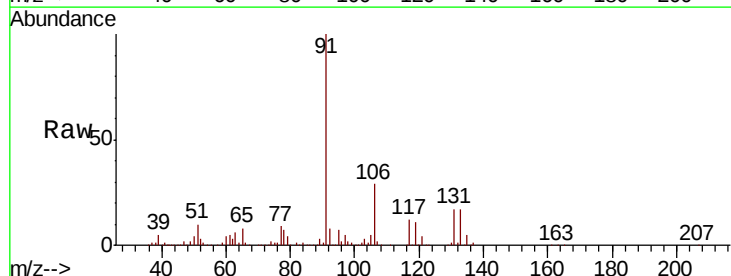
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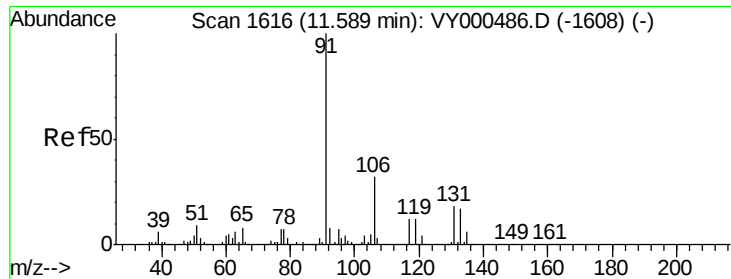
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.289 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VY000789.D
Acq: 22 Nov 2019 13:33

Tgt Ion:131 Resp: 68598
Ion Ratio Lower Upper
131 100
133 94.6 47.9 143.8
119 67.7 33.1 99.3





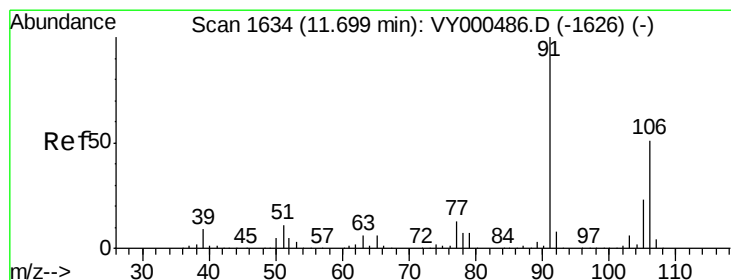
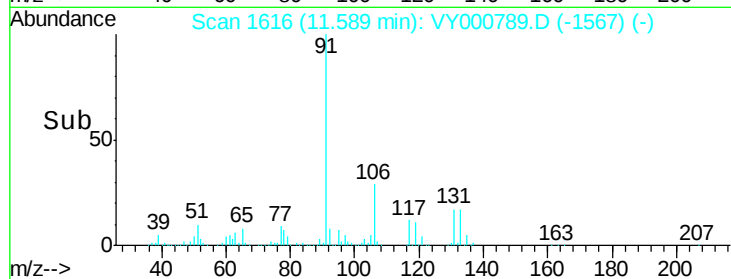
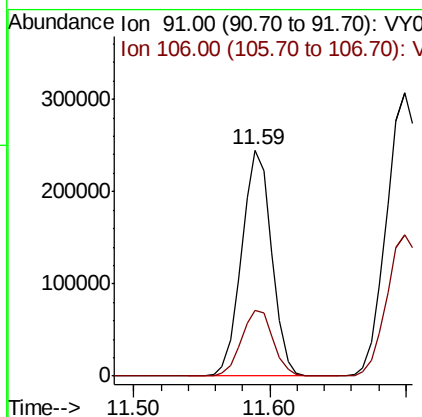
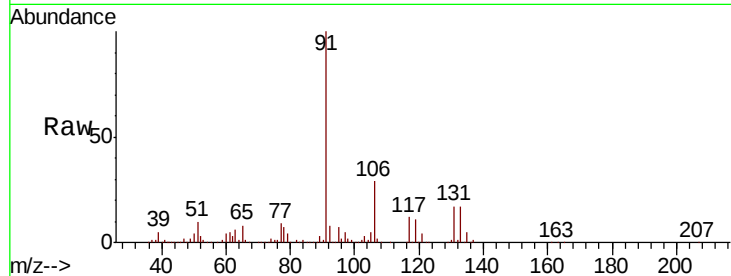
#67
Ethyl Benzene
Concen: 21.028 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VY000789.D
Acq: 22 Nov 2019 13:33

Instrument :
MSVOA_Y
ClientSampleId :
VY1122SBS01

Tot Ion: 91 Resp: 377285
Ion Ratio Lower Upper
91 100
106 28.9 25.4 38.0

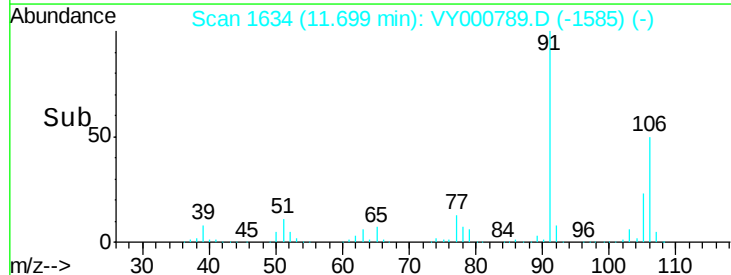
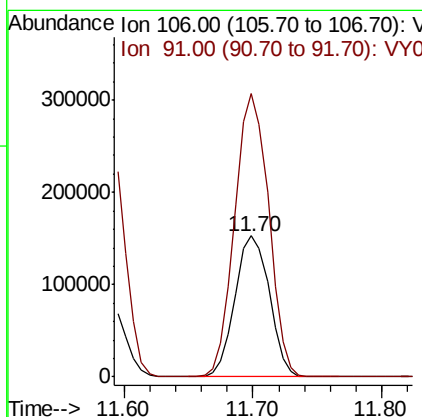
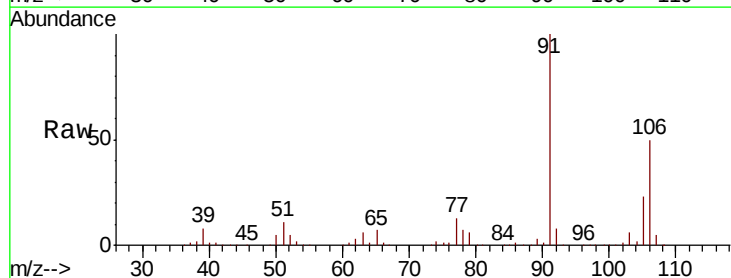
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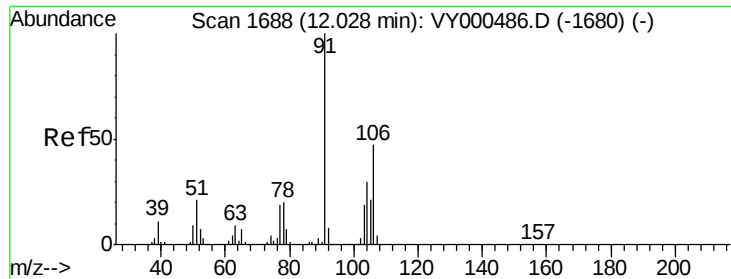
MMDadoda
11/26/2019 1:34:01 AM



#68
m/p-Xylenes
Concen: 40.708 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VY000789.D
Acq: 22 Nov 2019 13:33

Tgt Ion: 106 Resp: 282688
Ion Ratio Lower Upper
106 100
91 199.6 155.9 233.9





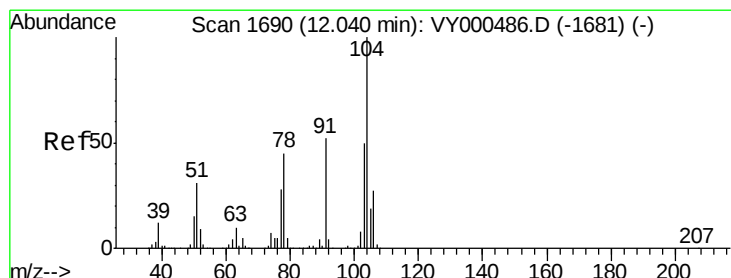
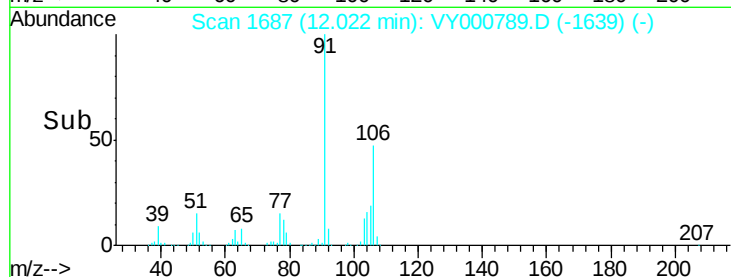
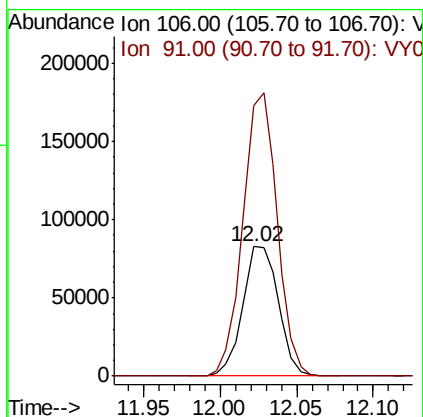
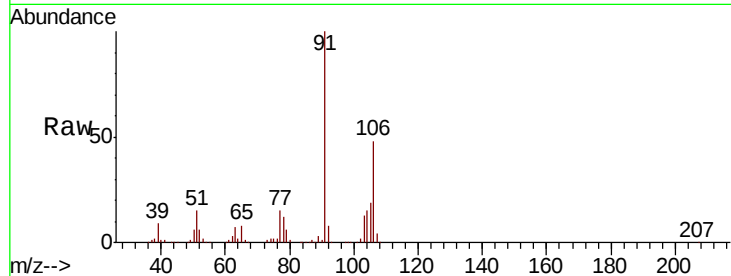
#69
o-Xylene
Concen: 20.583 ug/l
RT: 12.02 min Scan# 1687
Delta R.T. -0.01 min
Lab File: VY000789.D
Acq: 22 Nov 2019 13:33

Instrument :
MSVOA_Y
ClientSampleId :
VY1122SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	209.9	106.5	319.6		

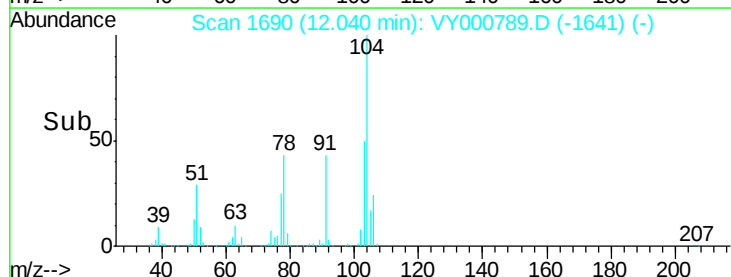
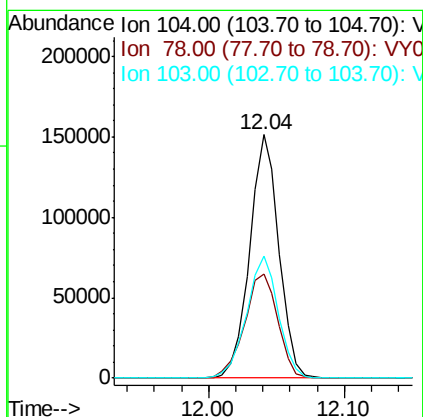
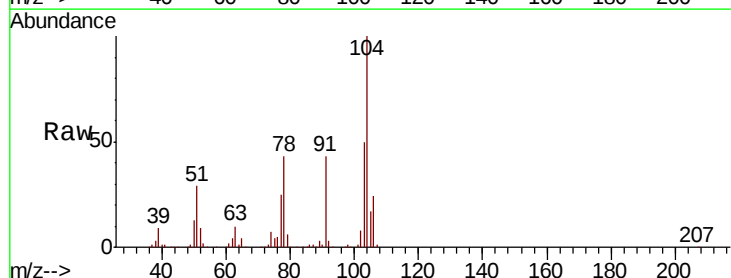
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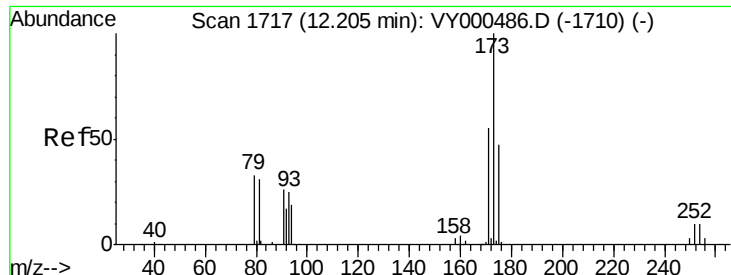
MMDadoda
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#70
Styrene
Concen: 20.337 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VY000789.D
Acq: 22 Nov 2019 13:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	48.7	39.0	58.4		
103	54.5	42.5	63.7		





#71

Bromoform

Concen: 19.943 ug/l

RT: 12.20 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VY000789.D

Acq: 22 Nov 2019 13:33

Instrument :

MSVOA_Y

ClientSampleId :

VY1122SBS01

Tot Ion:173 Resp: 38782

Ion Ratio Lower Upper

173 100

175 49.5 24.4 73.2

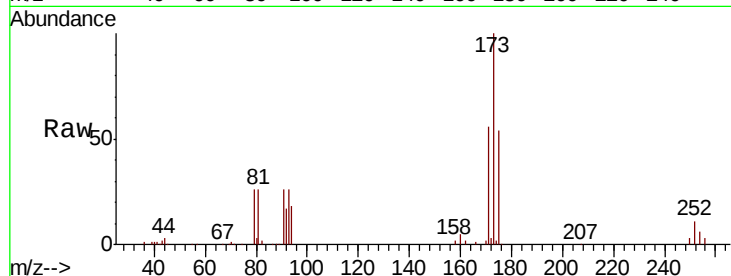
254 0.0 0.1 0.1#

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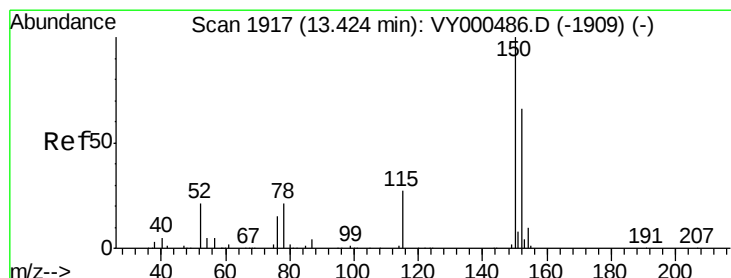
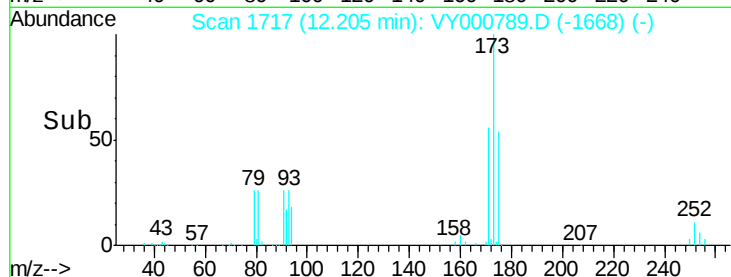
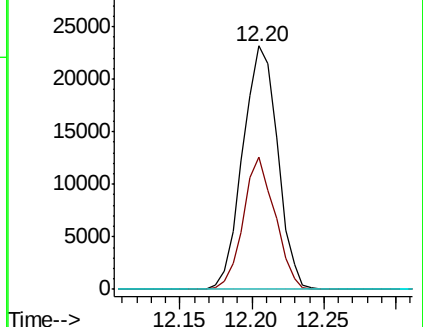
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Abundance Ion 172.70 (172.40 to 173.40): V

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: VY000789.D

Acq: 22 Nov 2019 13:33

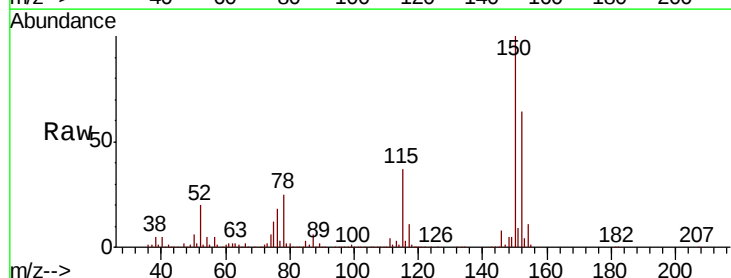
Tgt Ion:152 Resp: 231095

Ion Ratio Lower Upper

152 100

115 61.5 29.1 87.4

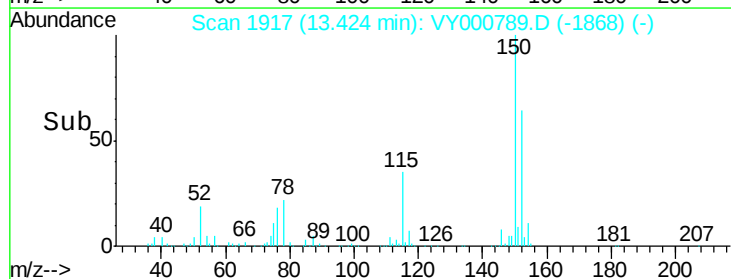
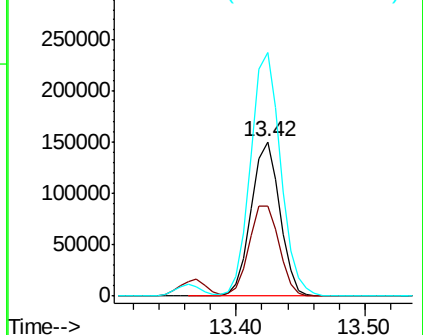
150 164.8 0.0 348.8

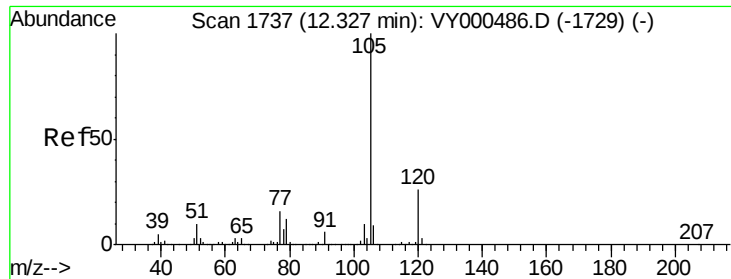


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





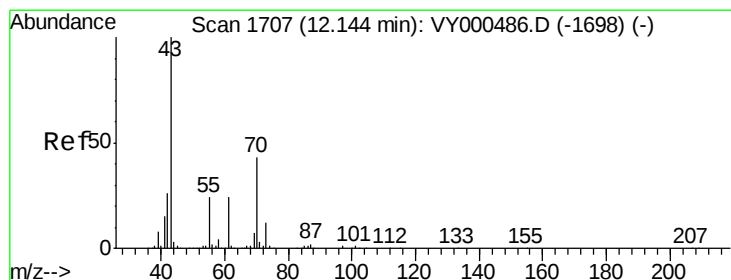
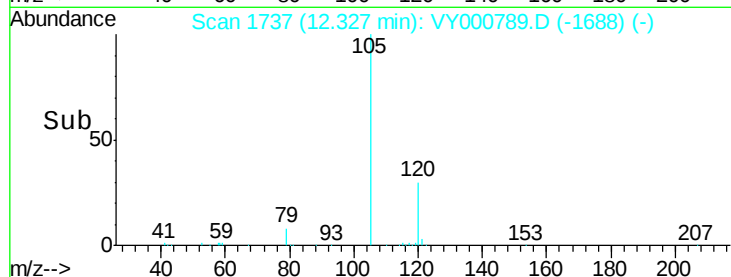
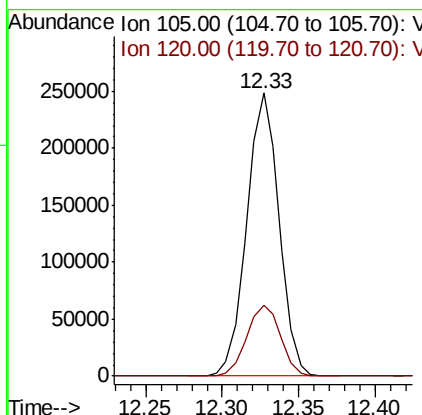
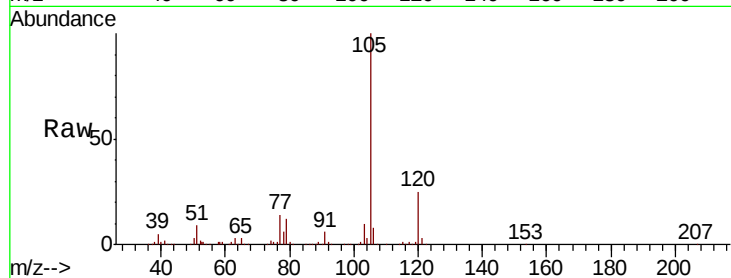
#73
Isopropylbenzene
Concen: 21.342 ug/l
RT: 12.33 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VY000789.D
Acq: 22 Nov 2019 13:33

Instrument :
MSVOA_Y
ClientSampleId :
VY1122SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.2	13.5	40.4

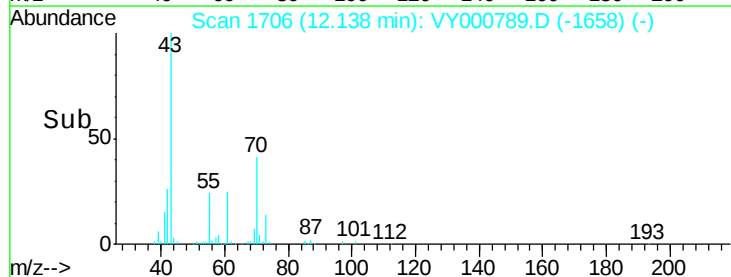
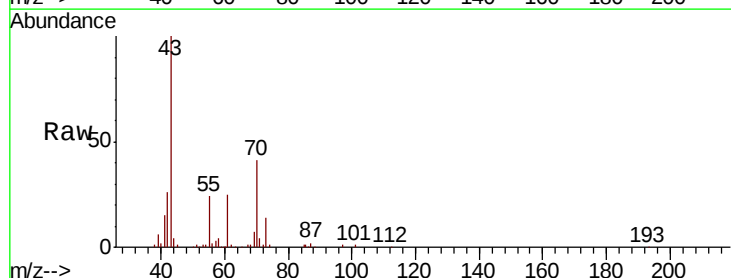
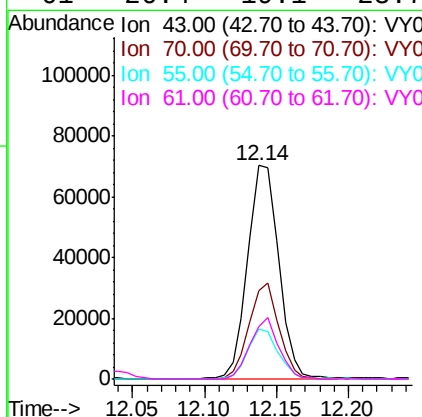
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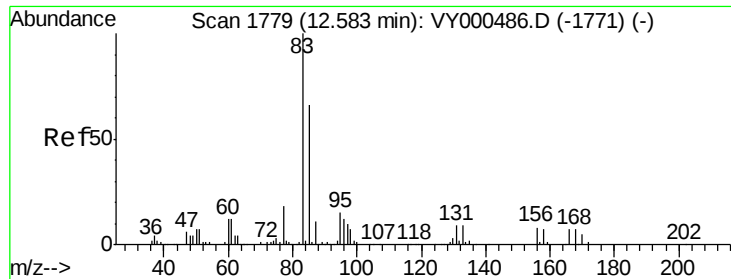
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#74
N-ethyl acetate
Concen: 21.480 ug/l
RT: 12.14 min Scan# 1706
Delta R.T. -0.01 min
Lab File: VY000789.D
Acq: 22 Nov 2019 13:33

Tgt Ion	Ratio	Lower	Upper
43	100		
70	42.9	33.1	49.7
55	23.2	18.0	27.0
61	26.4	19.1	28.7





#75

1,1,2,2-Tetrachloroethane

Concen: 21.683 ug/l

RT: 12.58 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VY000789.D

Acq: 22 Nov 2019 13:33

Instrument :

MSVOA_Y

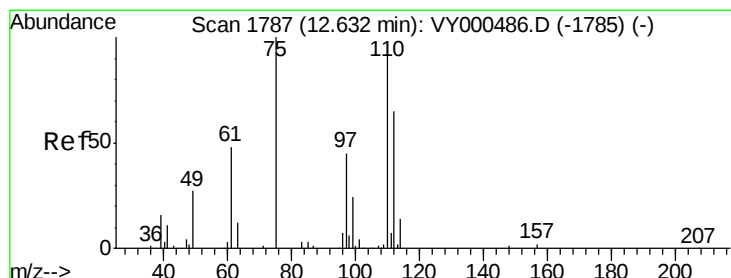
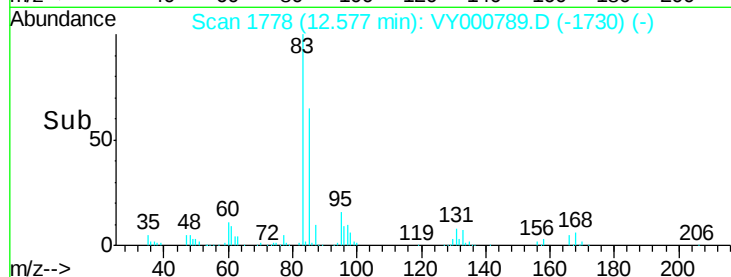
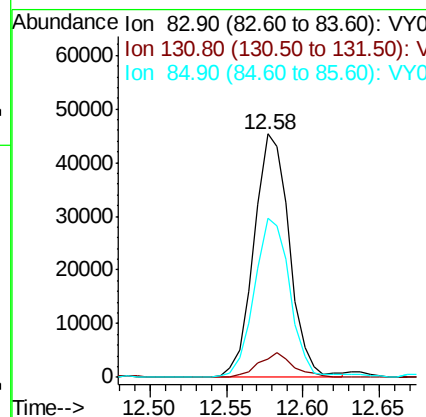
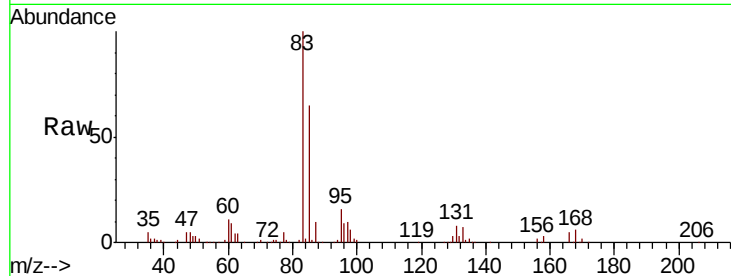
ClientSampleId :

VY1122SBS01

Tot Ion:	83	Resp:	73326
Ion Ratio	Lower	Upper	
83	100		
131	9.8	5.0	14.9
85	65.5	32.3	96.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.577 ug/l m

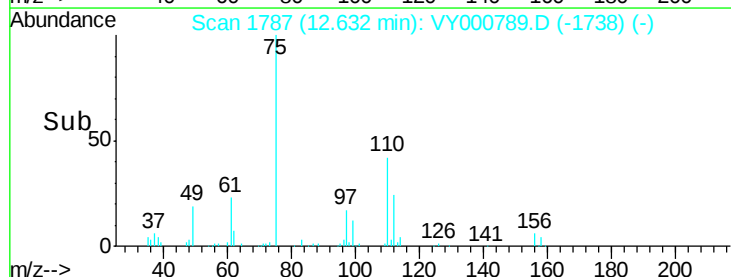
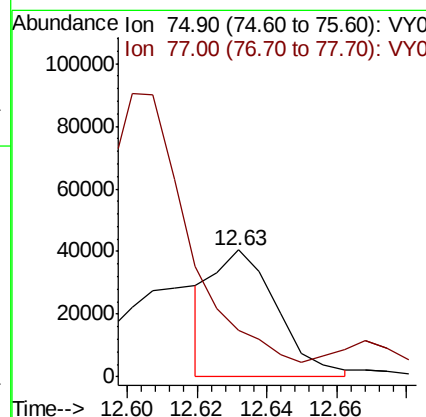
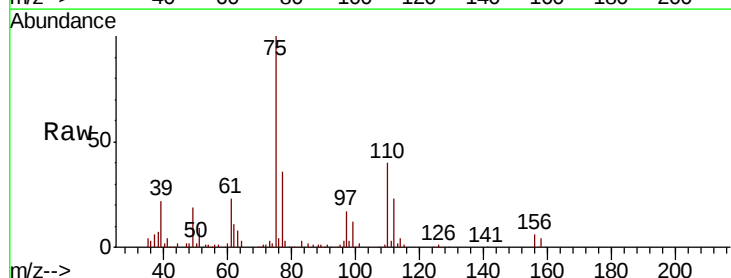
RT: 12.63 min Scan# 1787

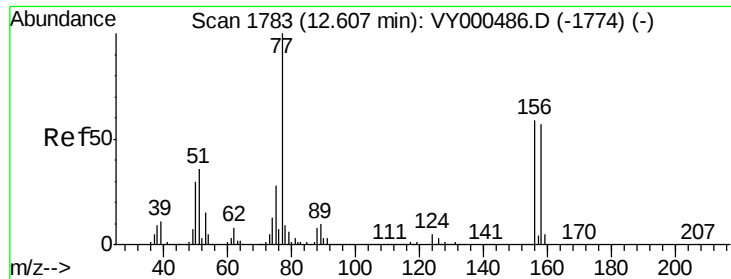
Delta R.T. 0.00 min

Lab File: VY000789.D

Acq: 22 Nov 2019 13:33

Tgt Ion:	75	Resp:	51513
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.433 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VY000789.D

Acq: 22 Nov 2019 13:33

Instrument :

MSVOA_Y

ClientSampleId :

VY1122SBS01

Tot Ion:156 Resp: 79139

Ion Ratio Lower Upper

156 100

77 206.5 98.2 294.4

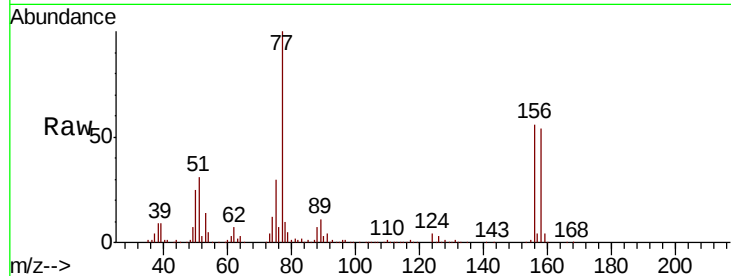
158 96.6 49.6 149.0

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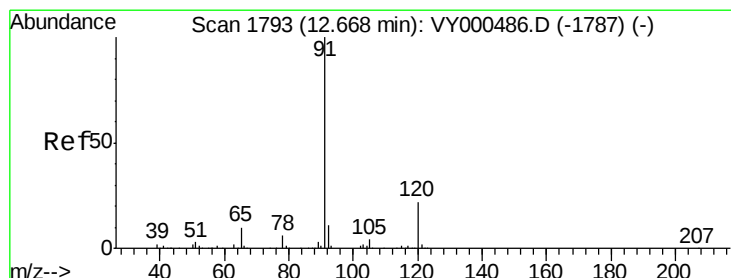
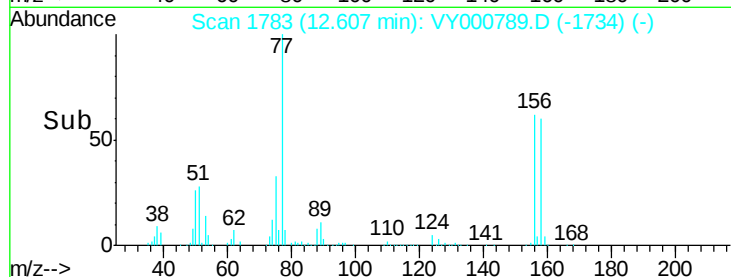
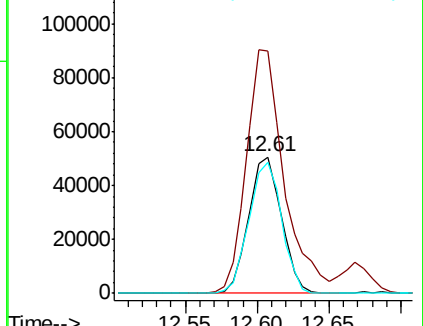
11/26/2019 1:34:01 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.587 ug/l

RT: 12.67 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VY000789.D

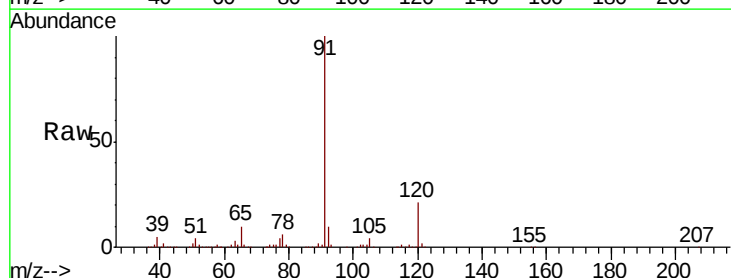
Acq: 22 Nov 2019 13:33

Tgt Ion: 91 Resp: 444856

Ion Ratio Lower Upper

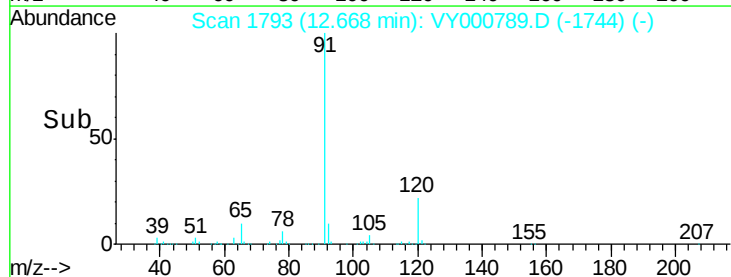
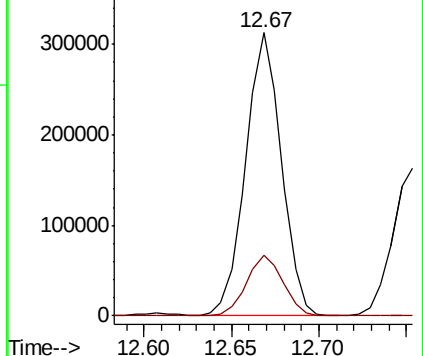
91 100

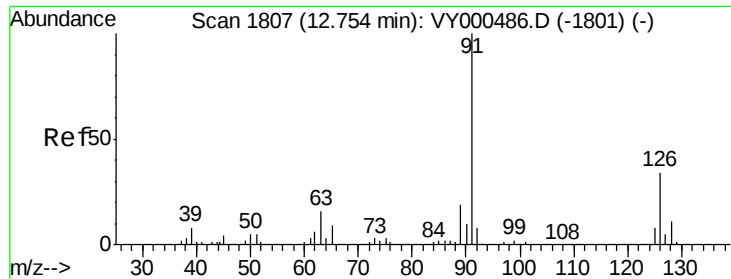
120 22.1 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





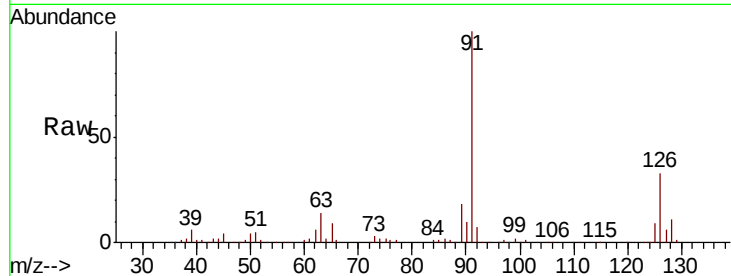
#79
2-Chlorotoluene
Concen: 21.456 ug/l
RT: 12.75 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VY000789.D
Acq: 22 Nov 2019 13:33

Instrument :
MSVOA_Y
ClientSampleId :
VY1122SBS01

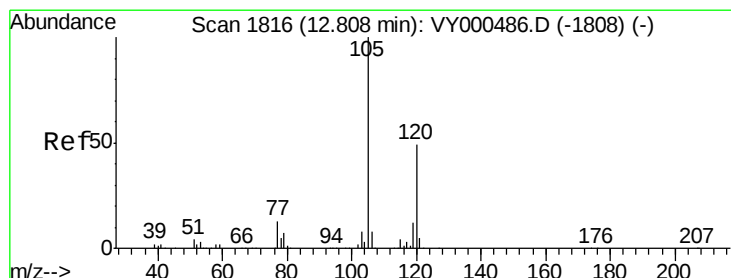
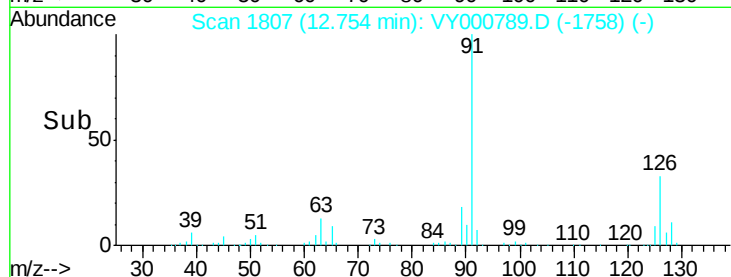
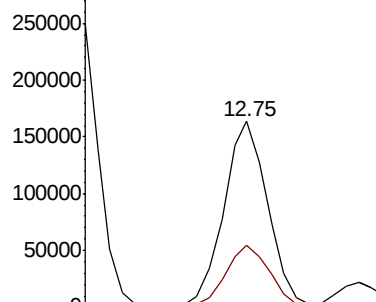
Tot Ion: 91 Resp: 245468
Ion Ratio Lower Upper
91 100
126 33.6 17.7 53.1

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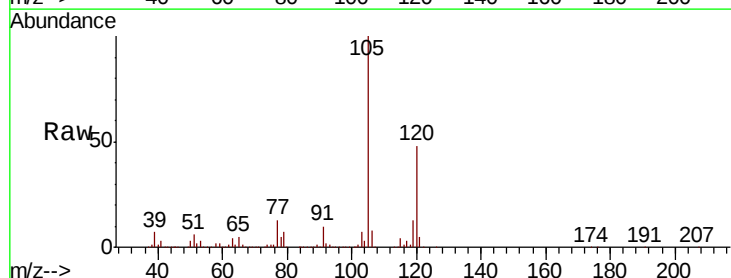


Abundance Ion 91.00 (90.70 to 91.70): VY0
Ion 125.90 (125.60 to 126.60): V

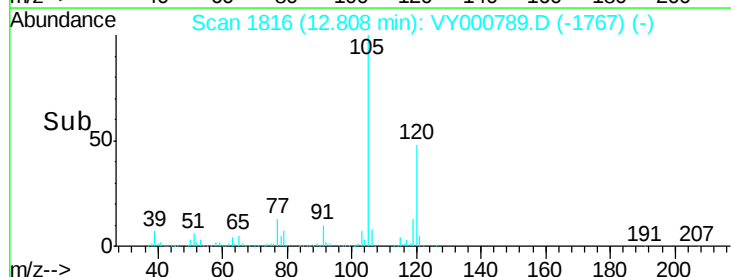
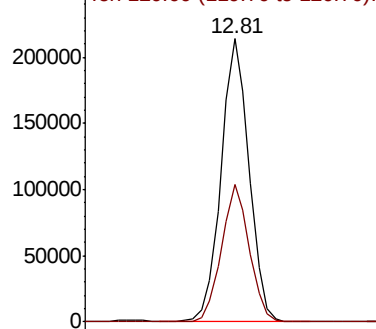


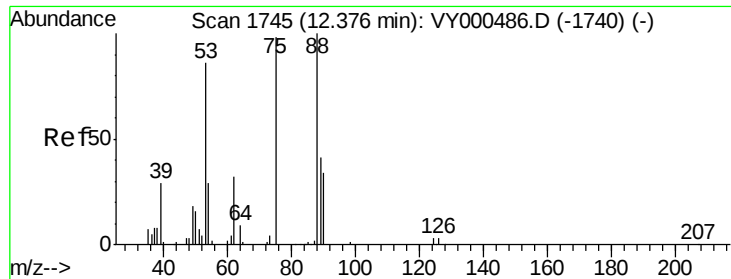
#80
1,3,5-Trimethylbenzene
Concen: 21.659 ug/l
RT: 12.81 min Scan# 1816
Delta R.T. 0.00 min
Lab File: VY000789.D
Acq: 22 Nov 2019 13:33

Tgt Ion: 105 Resp: 308097
Ion Ratio Lower Upper
105 100
120 48.4 24.9 74.8



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 21.940 ug/l

RT: 12.38 min Scan# 1745

Delta R.T. 0.00 min

Lab File: VY000789.D

Acq: 22 Nov 2019 13:33

Instrument :

MSVOA_Y

ClientSampleId :

VY1122SBS01

Tot Ion: 75 Resp: 25749

Ion Ratio Lower Upper

75 100

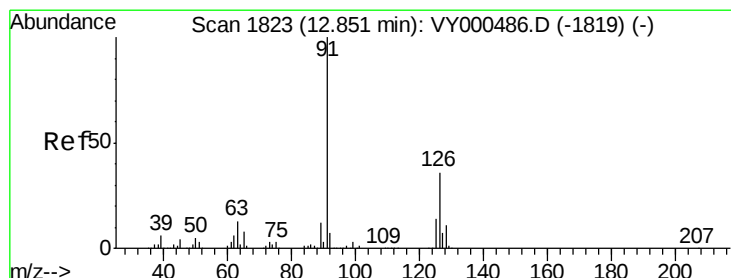
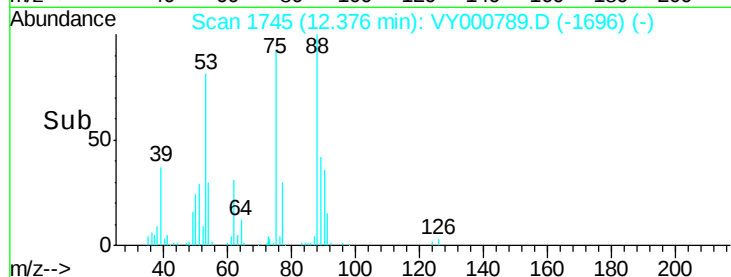
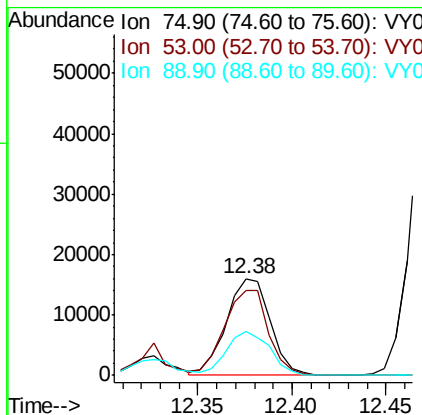
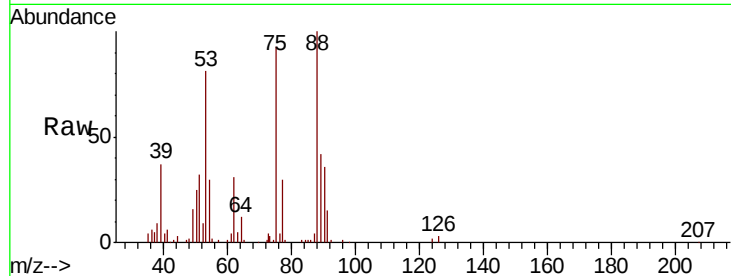
53 88.2 73.2 109.8

89 44.9 35.9 53.9

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#82

4-Chlorotoluene

Concen: 21.812 ug/l

RT: 12.85 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VY000789.D

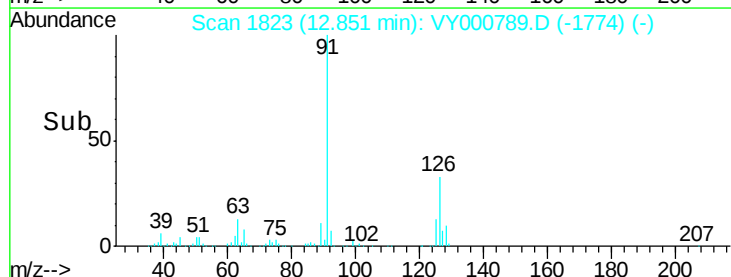
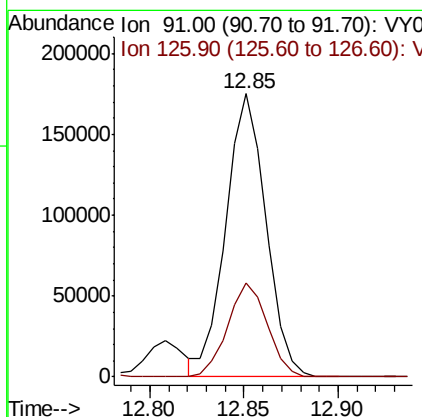
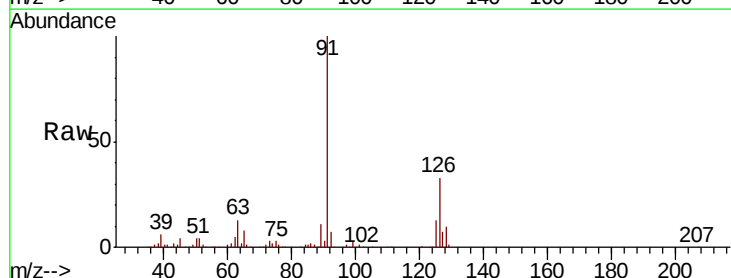
Acq: 22 Nov 2019 13:33

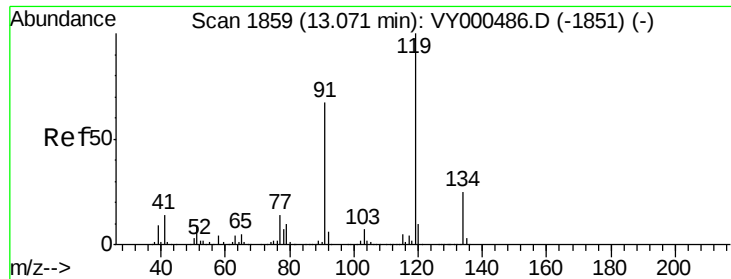
Tgt Ion: 91 Resp: 258675

Ion Ratio Lower Upper

91 100

126 33.0 17.6 52.9





#83

tert-Butylbenzene

Concen: 20.564 ug/l

RT: 13.07 min Scan# 1859

Delta R.T. 0.00 min

Lab File: VY000789.D

Acq: 22 Nov 2019 13:33

Instrument :

MSVOA_Y

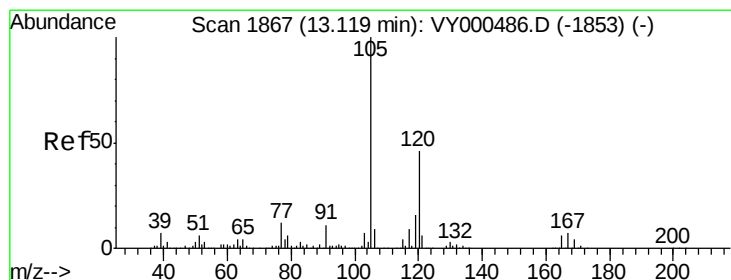
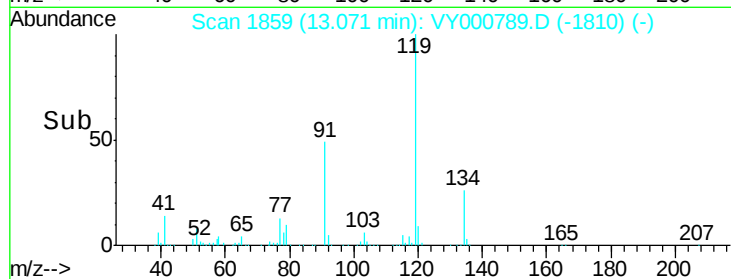
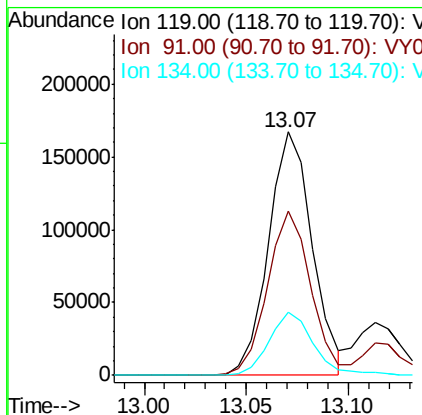
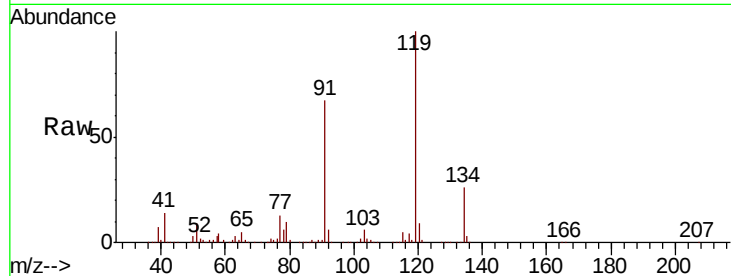
ClientSampleId :

VY1122SBS01

Tot Ion:	119	Resp:	249768
Ion Ratio	Lower	Upper	
119	100		
91	67.4	32.1	96.3
134	26.5	13.2	39.5

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#84

1,2,4-Trimethylbenzene

Concen: 21.405 ug/l

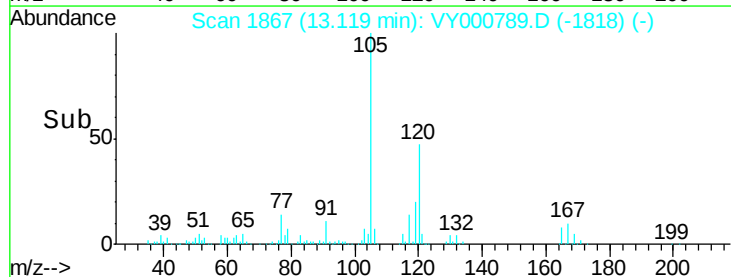
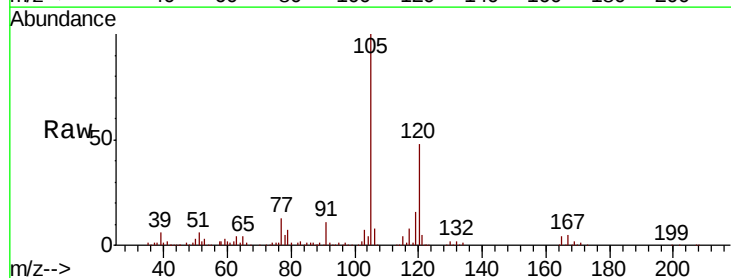
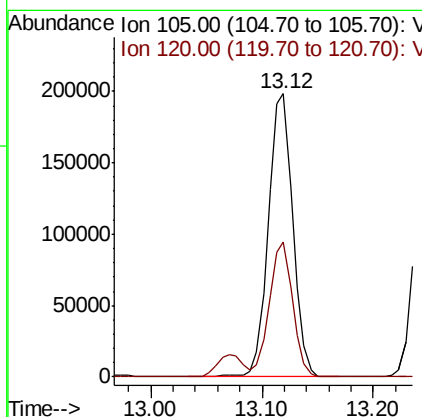
RT: 13.12 min Scan# 1867

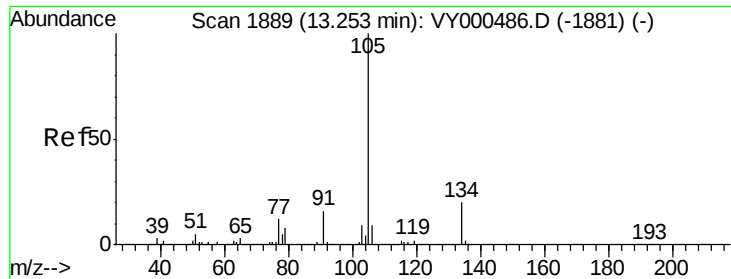
Delta R.T. 0.00 min

Lab File: VY000789.D

Acq: 22 Nov 2019 13:33

Tgt Ion:	105	Resp:	303163
Ion Ratio	Lower	Upper	
105	100		
120	45.6	23.3	69.9





#85

sec-Butylbenzene

Concen: 21.724 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. 0.00 min

Lab File: VY000789.D

Acq: 22 Nov 2019 13:33

Instrument :

MSVOA_Y

ClientSampleId :

VY1122SBS01

Tot Ion:105 Resp: 375911

Ion Ratio Lower Upper

105 100

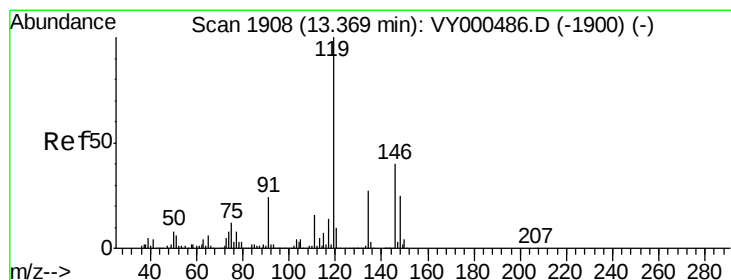
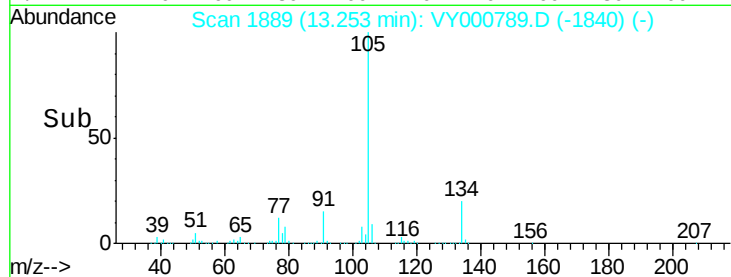
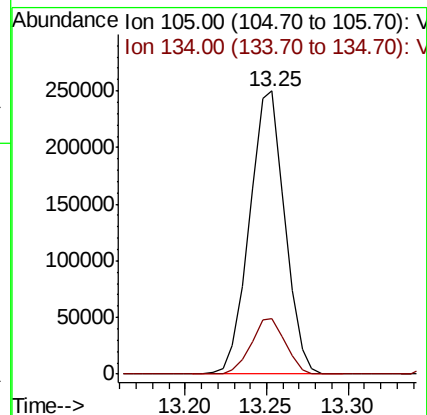
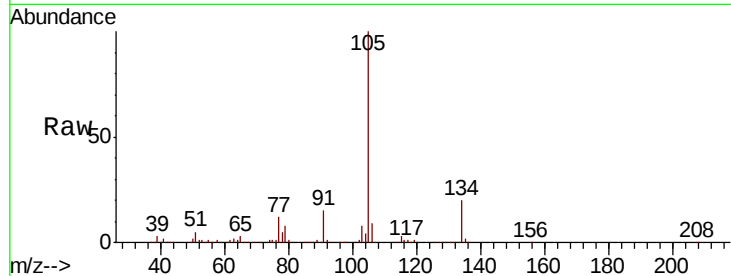
134 19.2 10.1 30.1

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#86

p-Isopropyltoluene

Concen: 21.241 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. 0.00 min

Lab File: VY000789.D

Acq: 22 Nov 2019 13:33

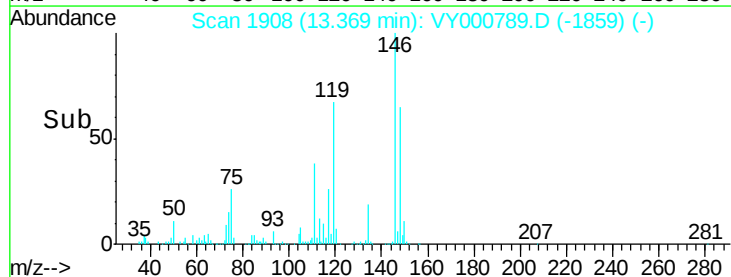
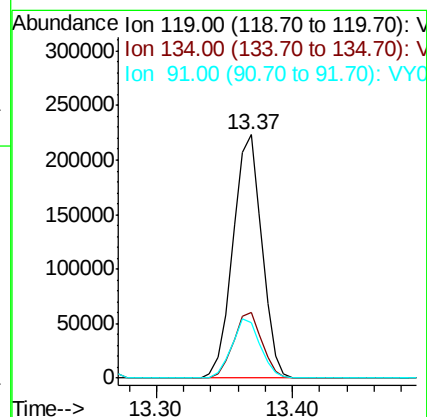
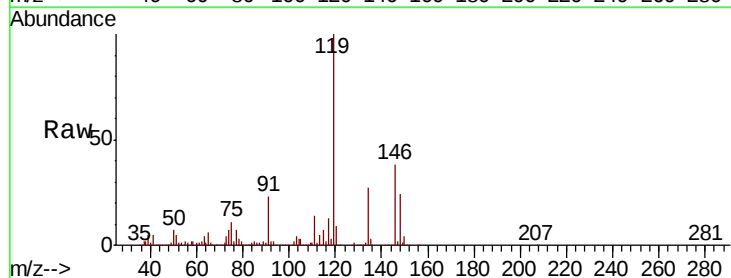
Tgt Ion:119 Resp: 327589

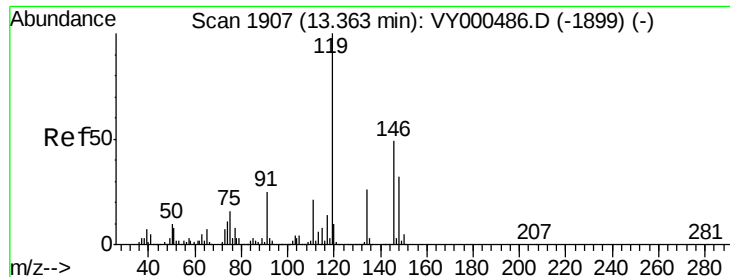
Ion Ratio Lower Upper

119 100

134 26.9 13.6 40.8

91 24.2 12.0 36.1





#87

1,3-Dichlorobenzene

Concen: 21.063 ug/l

RT: 13.36 min Scan# 1907

Delta R.T. 0.00 min

Lab File: VY000789.D

Acq: 22 Nov 2019 13:33

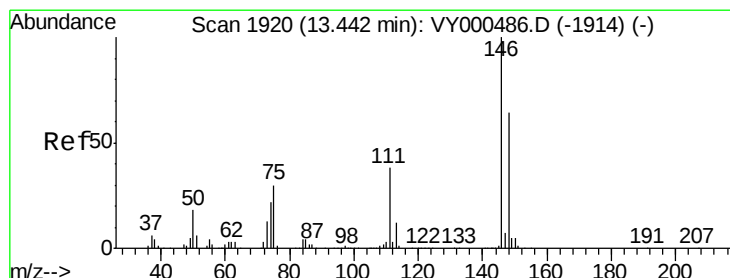
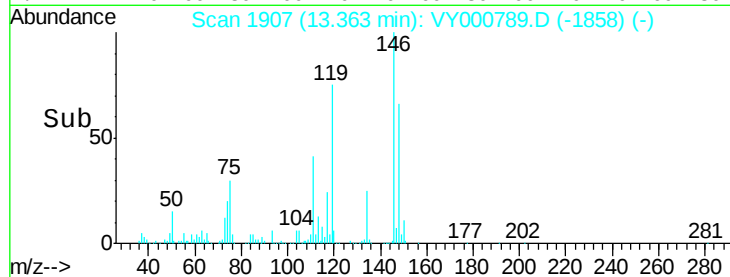
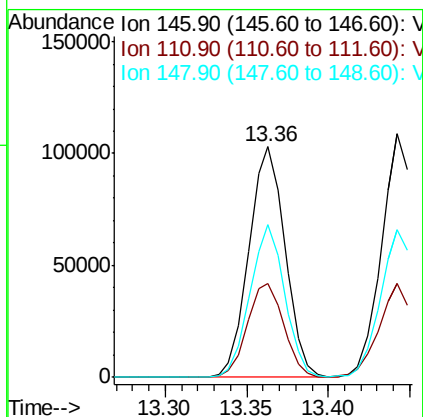
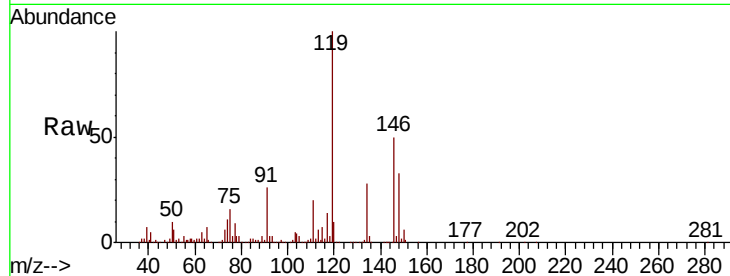
Instrument :
MSVOA_Y

ClientSampleId :
VY1122SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.3	60.8
148	63.2	31.5	94.5

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#88

1,4-Dichlorobenzene

Concen: 21.133 ug/l

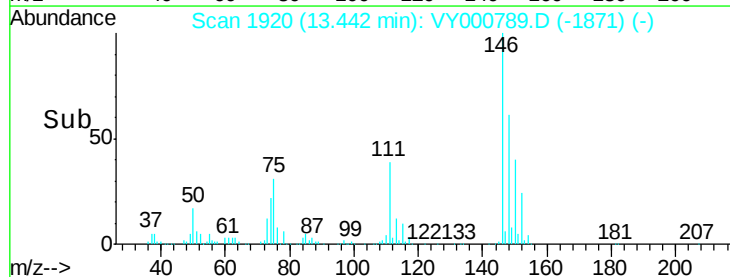
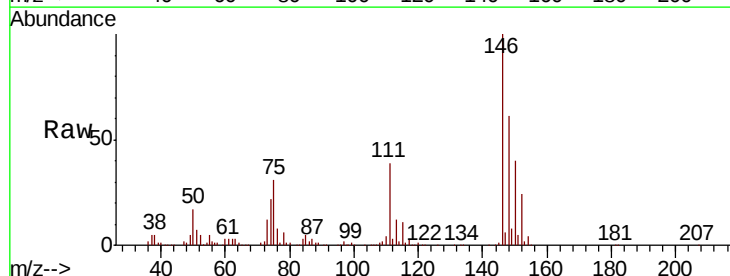
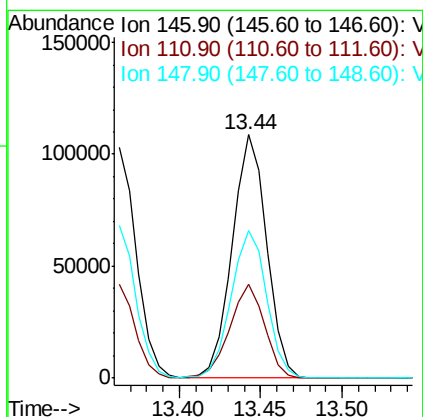
RT: 13.44 min Scan# 1920

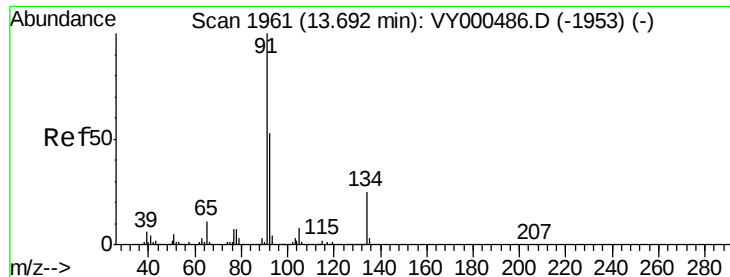
Delta R.T. 0.00 min

Lab File: VY000789.D

Acq: 22 Nov 2019 13:33

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.7	59.0
148	62.5	31.9	95.7





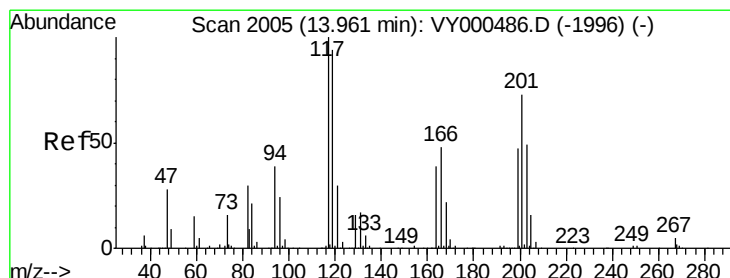
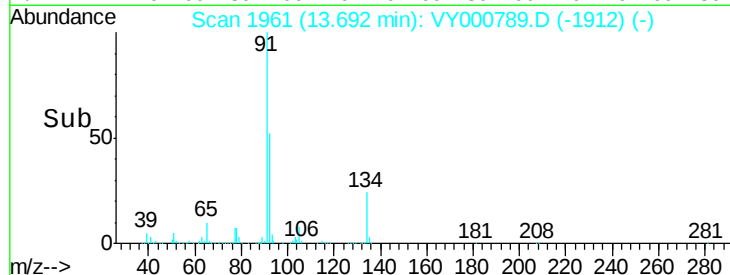
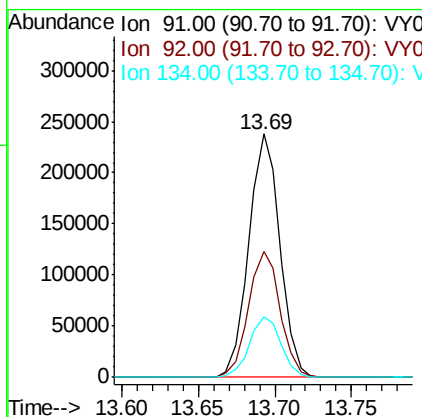
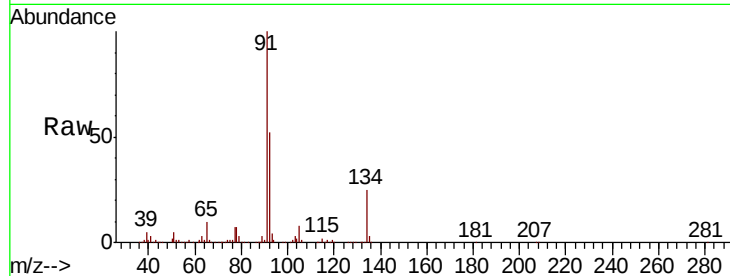
#89
n-Butylbenzene
Concen: 22.082 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. 0.00 min
Lab File: VY000789.D
Acq: 22 Nov 2019 13:33

Instrument :
MSVOA_Y
ClientSampleId :
VY1122SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.8	80.3
134	25.3	12.9	38.7

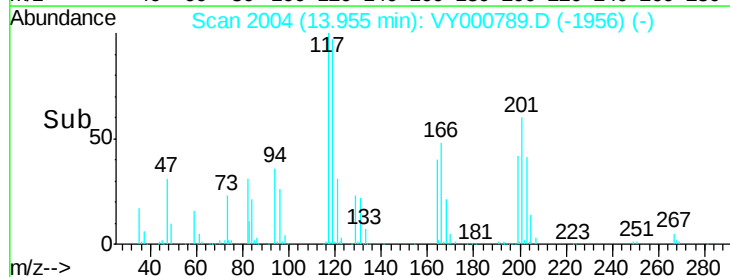
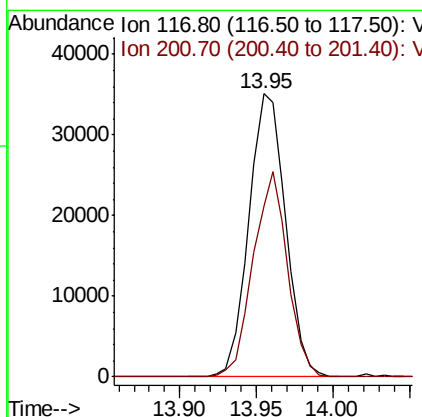
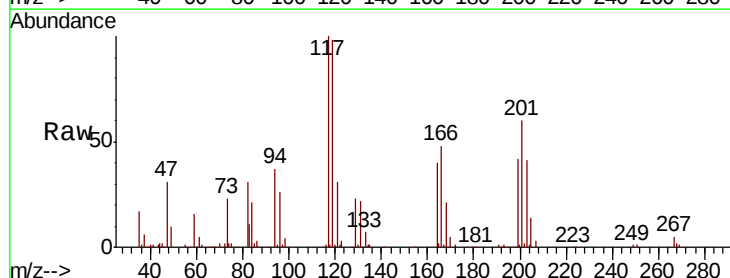
Manual Integrations
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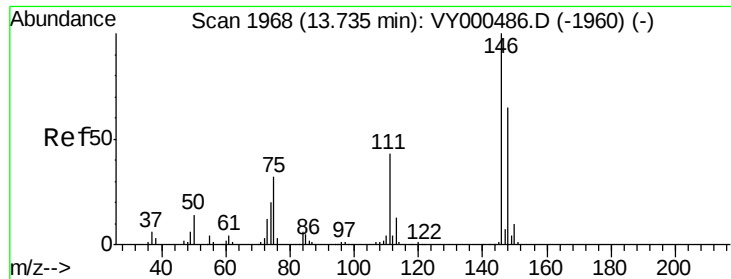
MMDadoda
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#90
Hexachloroethane
Concen: 20.544 ug/l
RT: 13.95 min Scan# 2004
Delta R.T. -0.01 min
Lab File: VY000789.D
Acq: 22 Nov 2019 13:33

Tgt Ion	Ratio	Lower	Upper
117	100		
201	67.7	35.8	107.3





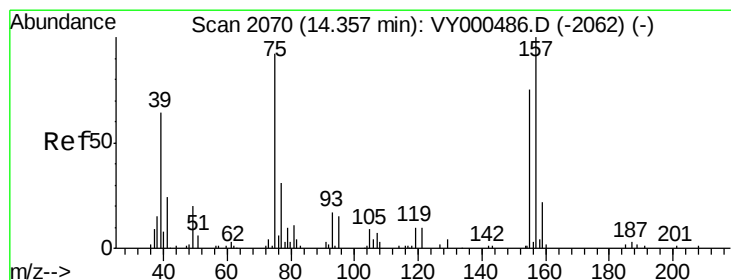
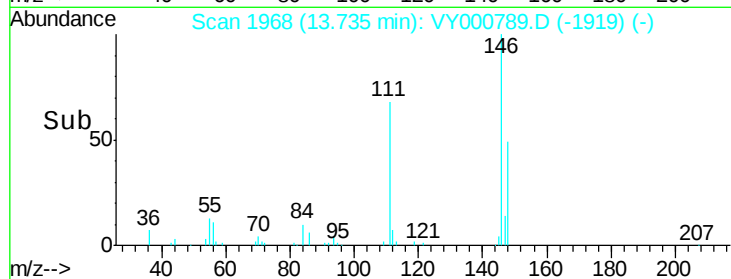
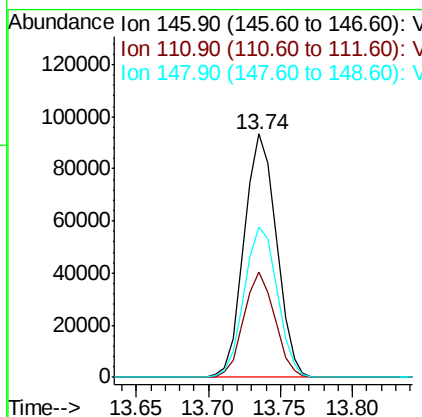
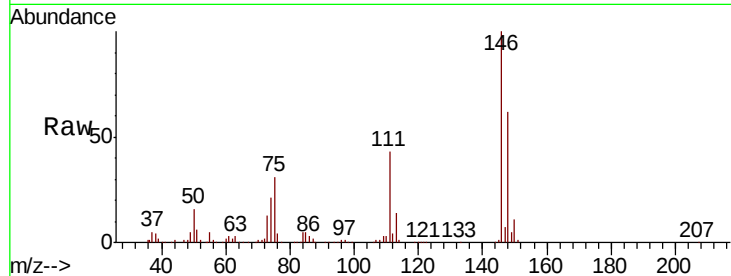
#91
 1,2-Dichlorobenzene
 Concen: 21.095 ug/l
 RT: 13.74 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VY000789.D
 Acq: 22 Nov 2019 13:33

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1122SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.5	61.5
148	63.3	31.7	95.1

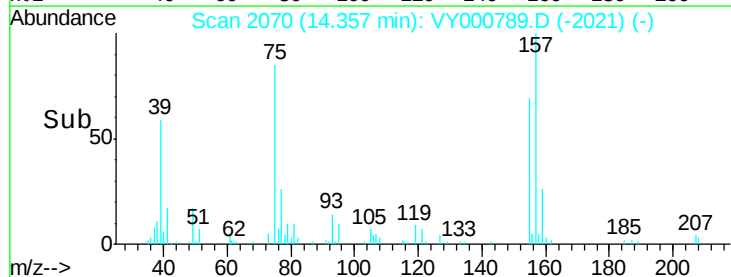
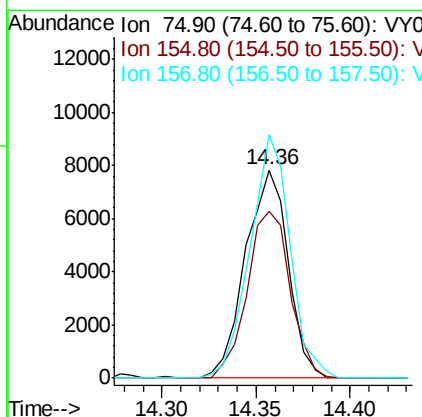
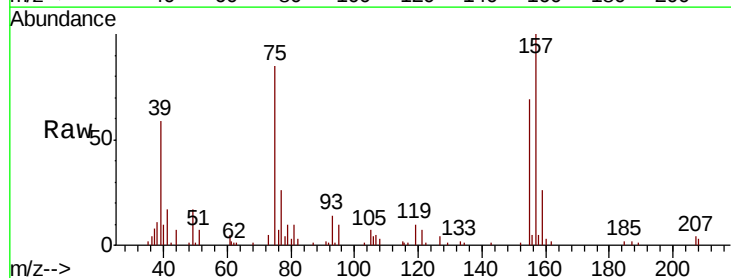
Manual Integrations
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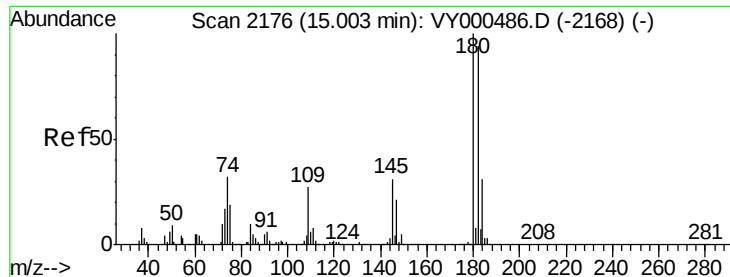
MMDadoda
 11/26/2019 1:34:01 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.509 ug/l
 RT: 14.36 min Scan# 2070
 Delta R.T. 0.00 min
 Lab File: VY000789.D
 Acq: 22 Nov 2019 13:33

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.9	42.4	127.1
157	109.8	55.1	165.3





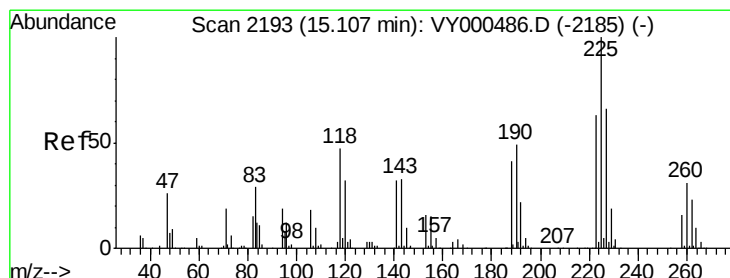
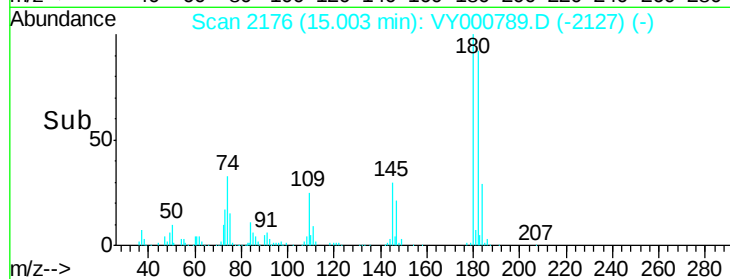
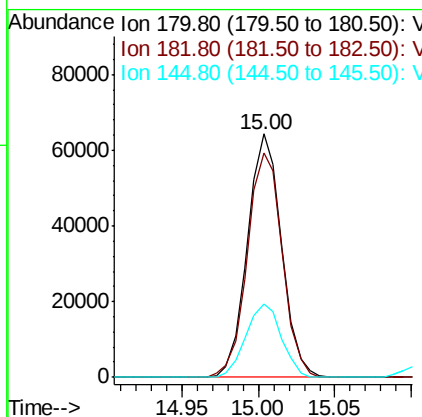
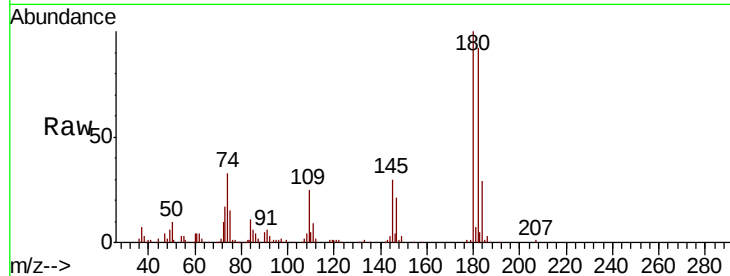
#93
1,2,4-Trichlorobenzene
Concen: 21.232 ug/l
RT: 15.00 min Scan# 2176
Delta R.T. 0.00 min
Lab File: VY000789.D
Acq: 22 Nov 2019 13:33

Instrument :
MSVOA_Y
ClientSampleId :
VY1122SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.1	47.8	143.4	
145	31.6	16.0	47.9	

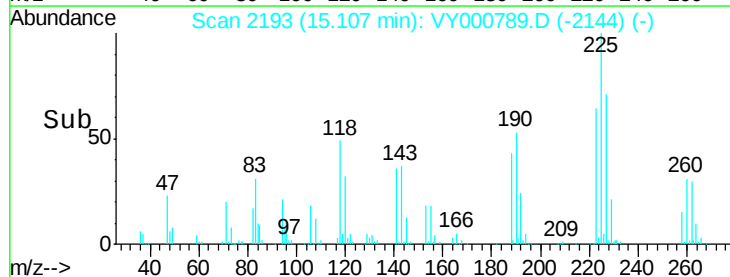
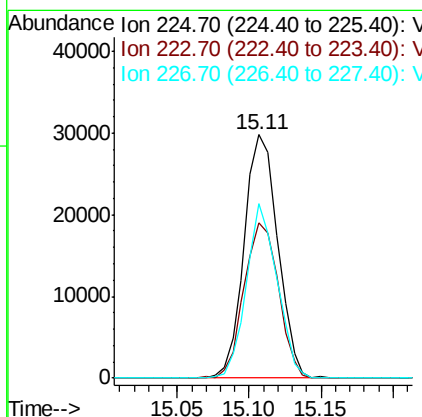
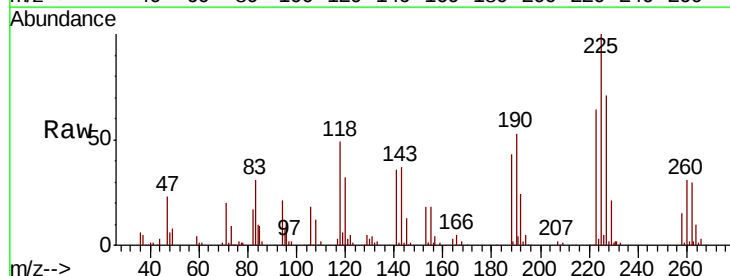
Manual Integrations
APPROVED

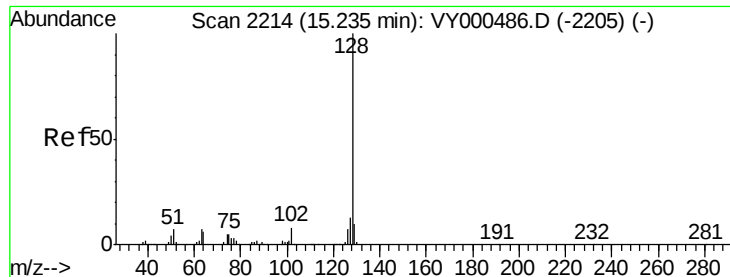
MMDadoda
11/26/2019 1:34:01 AM



#94
Hexachlorobutadiene
Concen: 19.932 ug/l
RT: 15.11 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VY000789.D
Acq: 22 Nov 2019 13:33

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	65.5	31.3	93.8	
227	65.3	32.4	97.0	





#95

Naphthalene

Concen: 22.972 ug/l

RT: 15.23 min Scan# 2214

Delta R.T. 0.00 min

Lab File: VY000789.D

Acq: 22 Nov 2019 13:33

Instrument :

MSVOA_Y

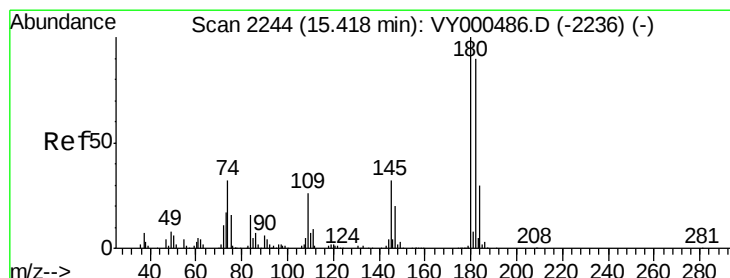
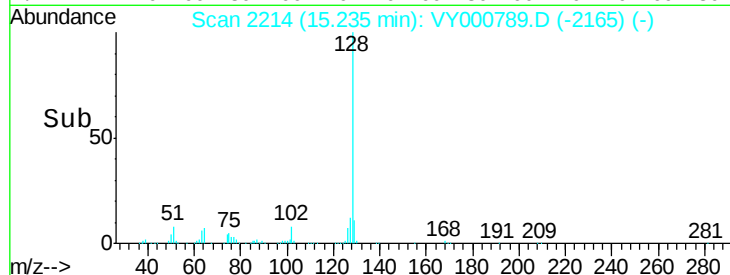
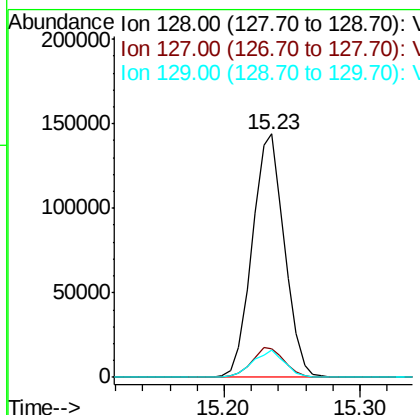
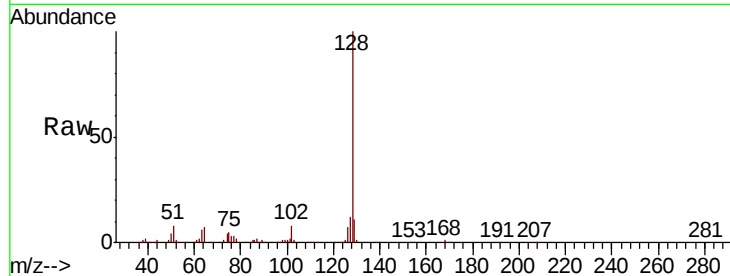
ClientSampleId :

VY1122SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	239006		
127	12.3		9.8	14.6
129	11.1		8.7	13.1

Manual Integrations
APPROVED

MMDadoda
11/26/2019 1:34:01 AM



#96

1,2,3-Trichlorobenzene

Concen: 21.179 ug/l

RT: 15.42 min Scan# 2244

Delta R.T. 0.00 min

Lab File: VY000789.D

Acq: 22 Nov 2019 13:33

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	89052		
182	95.3		47.4	142.3
145	33.3		15.7	47.0

