

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021120\
 Data File : VY001594.D
 Acq On : 11 Feb 2020 11:37
 Operator : SY/MD
 Sample : VY0211SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0211SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/12/2020 3:12:17 PM

Quant Time: Feb 12 08:07:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y020420S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 04 15:10:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	188707	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	328693	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	293544	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	140938	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.17	65	102839	54.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.26%	
35) Dibromofluoromethane	7.74	113	97000	51.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.36%	
50) Toluene-d8	10.19	98	397291	55.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.80%	
62) 4-Bromofluorobenzene	12.49	95	144698	51.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	32507	17.598	ug/l	96
3) Chloromethane	2.13	50	42913	22.227	ug/l	95
4) Vinyl Chloride	2.27	62	44656	22.276	ug/l	100
5) Bromomethane	2.66	94	30242	23.987	ug/l	98
6) Chloroethane	2.80	64	28721	23.769	ug/l	93
7) Trichlorofluoromethane	3.14	101	60408	18.205	ug/l	96
8) Diethyl Ether	3.55	74	22945	20.491	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.92	101	38855	19.461	ug/l	97
10) Methyl Iodide	4.11	142	43850	17.237	ug/l	98
11) Tert butyl alcohol	4.99	59	26390	103.729	ug/l #	88
12) 1,1-Dichloroethene	3.90	96	38488	19.399	ug/l	96
13) Acrolein	3.75	56	17975	99.912	ug/l	98
14) Allyl chloride	4.51	41	67620	22.280	ug/l	95
15) Acrylonitrile	5.20	53	58229	113.433	ug/l	98
16) Acetone	3.97	43	57785	105.141	ug/l	96
17) Carbon Disulfide	4.22	76	121983	19.313	ug/l	99
18) Methyl Acetate	4.51	43	28946	24.681	ug/l	93
19) Methyl tert-butyl Ether	5.25	73	104146	19.739	ug/l	98
20) Methylene Chloride	4.74	84	46173	18.476	ug/l	90
21) trans-1,2-Dichloroethene	5.25	96	42701	19.360	ug/l	97
22) Diisopropyl ether	6.15	45	134303	22.335	ug/l	97
23) Vinyl Acetate	6.09	43	434910	113.616	ug/l	96
24) 1,1-Dichloroethane	6.05	63	73361	20.283	ug/l	98
25) 2-Butanone	7.02	43	82938	116.320	ug/l	91
26) 2,2-Dichloropropane	7.01	77	65565	18.941	ug/l	98
27) cis-1,2-Dichloroethene	7.02	96	48129	19.979	ug/l	98
28) Bromochloromethane	7.36	49	27006	21.918	ug/l	90
29) Tetrahydrofuran	7.38	42	51797	121.202	ug/l	95
30) Chloroform	7.53	83	70053	19.121	ug/l	98
31) Cyclohexane	7.81	56	76746	20.744	ug/l	99
32) 1,1,1-Trichloroethane	7.73	97	60954	18.351	ug/l	96
36) 1,1-Dichloropropene	7.94	75	58914	19.593	ug/l	99
37) Ethyl Acetate	7.10	43	35170	24.161	ug/l	97
38) Carbon Tetrachloride	7.93	117	52408	18.015	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	78412	19.805	ug/l	100
40) Benzene	8.19	78	177049	20.643	ug/l	98
41) Methacrylonitrile	7.35	41	17509m	25.953	ug/l	
42) 1,2-Dichloroethane	8.26	62	47453	19.859	ug/l	99
43) Isopropyl Acetate	8.29	43	67416	23.391	ug/l	94
44) Trichloroethene	8.96	130	43718	18.911	ug/l	98
45) 1,2-Dichloropropane	9.24	63	43528	21.017	ug/l	95
46) Dibromomethane	9.32	93	22801	19.606	ug/l	98
47) Bromodichloromethane	9.52	83	54795	19.338	ug/l	99
48) Methyl methacrylate	9.31	41	30078	22.994	ug/l	93
49) 1,4-Dioxane	9.32	88	6492	422.696	ug/l	95
51) 4-Methyl-2-Pentanone	10.08	43	171853	121.079	ug/l	94
52) Toluene	10.26	92	108927	20.016	ug/l	99
53) t-1,3-Dichloropropene	10.48	75	58962	19.105	ug/l	99
54) cis-1,3-Dichloropropene	9.94	75	69919	19.733	ug/l	95
55) 1,1,2-Trichloroethane	10.66	97	33843	20.283	ug/l	98
56) Ethyl methacrylate	10.52	69	50221	21.161	ug/l	94
57) 1,3-Dichloropropane	10.80	76	59140	20.107	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	93689	107.312	ug/l	96
59) 2-Hexanone	10.85	43	125724	121.827	ug/l	95
60) Dibromochloromethane	11.00	129	36716	18.668	ug/l	98
61) 1,2-Dibromoethane	11.10	107	32090	19.526	ug/l	99
64) Tetrachloroethene	10.73	164	38116	19.800	ug/l	98
65) Chlorobenzene	11.53	112	113783	19.741	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.60	131	39269	19.467	ug/l	97
67) Ethyl Benzene	11.61	91	208128	19.530	ug/l	100
68) m/p-Xylenes	11.72	106	159453	39.857	ug/l	97
69) o-Xylene	12.04	106	74517	19.755	ug/l	99
70) Styrene	12.06	104	131592	20.173	ug/l	98
71) Bromoform	12.22	173	22016	19.600	ug/l #	100
73) Isopropylbenzene	12.34	105	203367	18.919	ug/l	100
74) N-amyl acetate	12.16	43	63667	22.794	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.60	83	41775	20.455	ug/l	98
76) 1,2,3-Trichloropropane	12.65	75	29615m	19.539	ug/l	
77) Bromobenzene	12.62	156	43954	18.895	ug/l	96
78) n-propylbenzene	12.68	91	249393	19.380	ug/l	99
79) 2-Chlorotoluene	12.77	91	137063	18.686	ug/l	99
80) 1,3,5-Trimethylbenzene	12.82	105	170562	18.841	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	14950	19.086	ug/l	89
82) 4-Chlorotoluene	12.86	91	145556	18.926	ug/l	99
83) tert-Butylbenzene	13.09	119	144183	18.843	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	168992	18.861	ug/l	99
85) sec-Butylbenzene	13.27	105	207059	19.246	ug/l	99
86) p-Isopropyltoluene	13.38	119	182775	19.279	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	87336	19.591	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	88314	19.774	ug/l	99
89) n-Butylbenzene	13.70	91	184038	19.674	ug/l	100
90) Hexachloroethane	13.97	117	34270	18.833	ug/l	100
91) 1,2-Dichlorobenzene	13.75	146	79932	19.785	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.37	75	7151	18.967	ug/l	98

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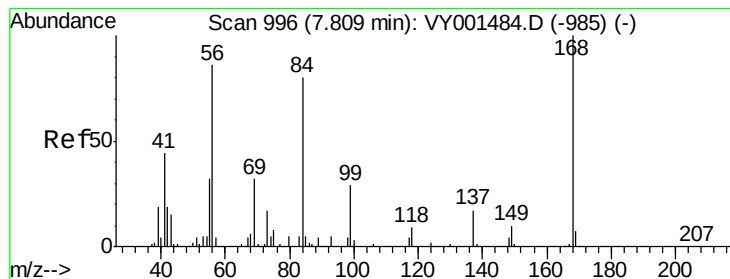
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	53058	19.489	ug/l	99
94) Hexachlorobutadiene	15.13	225	26708	19.329	ug/l	98
95) Naphthalene	15.25	128	117990	18.440	ug/l	100
96) 1,2,3-Trichlorobenzene	15.44	180	46889	19.511	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.01 min

Lab File: VY001594.D

Acq: 11 Feb 2020 11:37

Instrument :

MSVOA_Y

ClientSampleId :

VY0211SBS01

Tot Ion:168 Resp: 188707

Ion Ratio Lower Upper

168 100

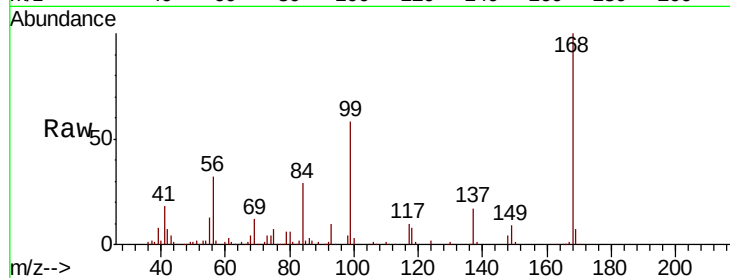
99 57.8 48.2 72.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VY001484.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY001484.D (-985) (-)

7.82

80000

60000

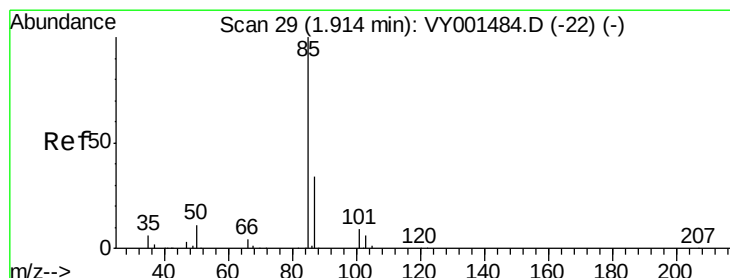
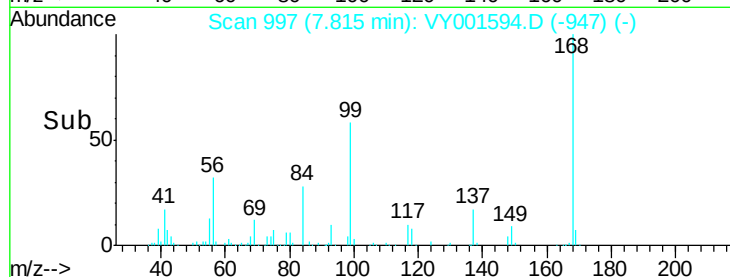
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 17.598 ug/l

RT: 1.91 min Scan# 29

Delta R.T. 0.00 min

Lab File: VY001594.D

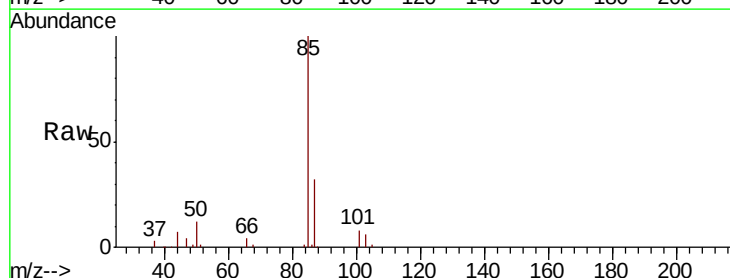
Acq: 11 Feb 2020 11:37

Tgt Ion: 85 Resp: 32507

Ion Ratio Lower Upper

85 100

87 31.7 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VY001484.D (-22) (-)

Ion 86.90 (86.60 to 87.60): VY001484.D (-22) (-)

1.91

25000

20000

15000

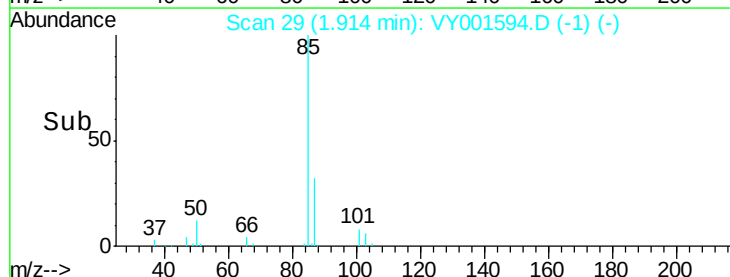
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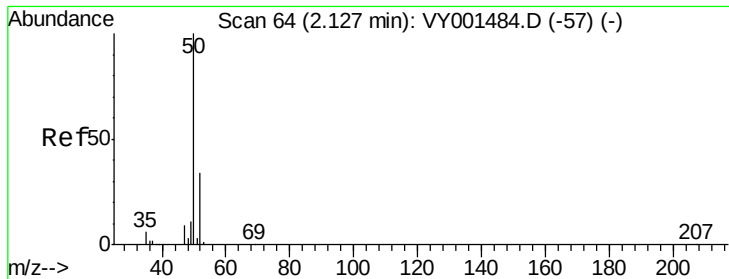
5000

0

1.85 1.90 1.95 2.00

Time-->





#3

Chloromethane

Concen: 22.227 ug/l

RT: 2.13 min Scan# 64

Delta R.T. 0.00 min

Lab File: VY001594.D

Acq: 11 Feb 2020 11:37

Instrument :

MSVOA_Y

ClientSampleId :

VY0211SBS01

Tot Ion: 50 Resp: 42913

Ion Ratio Lower Upper

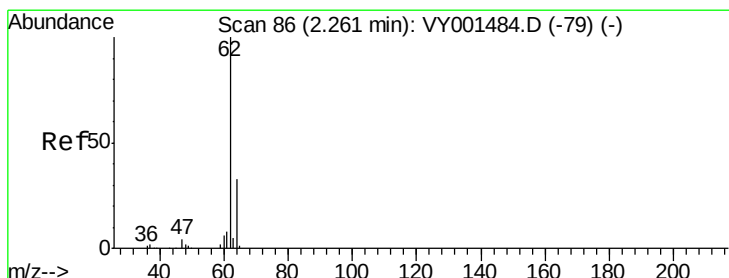
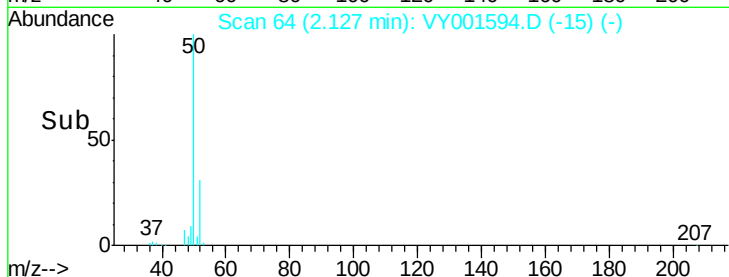
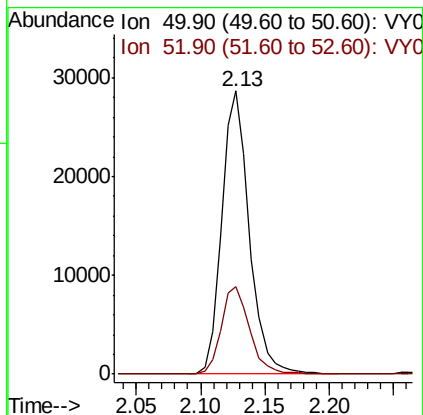
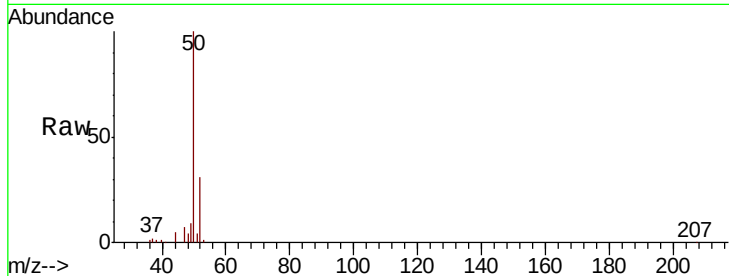
50 100

52 31.1 27.3 40.9

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#4

Vinyl Chloride

Concen: 22.276 ug/l

RT: 2.27 min Scan# 87

Delta R.T. 0.01 min

Lab File: VY001594.D

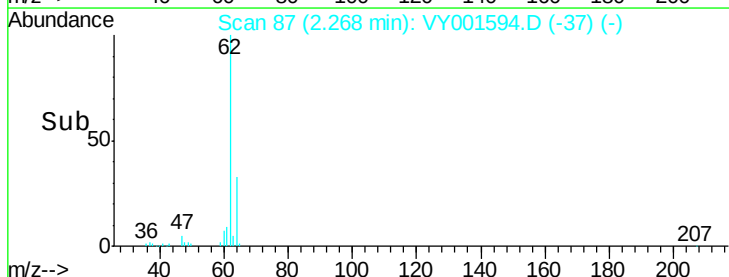
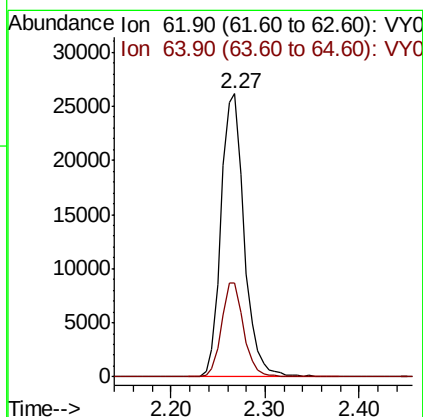
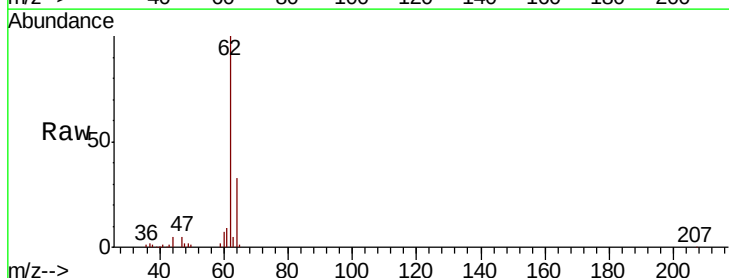
Acq: 11 Feb 2020 11:37

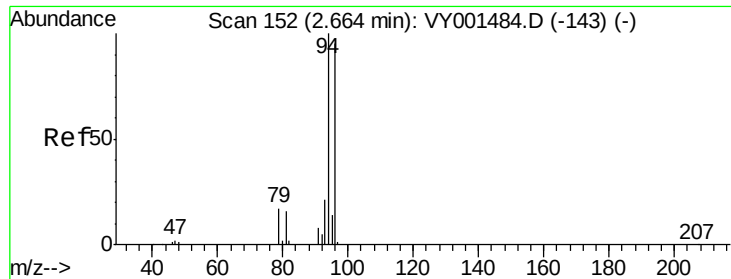
Tgt Ion: 62 Resp: 44656

Ion Ratio Lower Upper

62 100

64 33.2 26.4 39.6





#5

Bromomethane

Concen: 23.987 ug/l

RT: 2.66 min Scan# 151

Delta R.T. -0.01 min

Lab File: VY001594.D

Acq: 11 Feb 2020 11:37

Instrument :

MSVOA_Y

ClientSampleId :

VY0211SBS01

Tot Ion: 94 Resp: 30242

Ion Ratio Lower Upper

94 100

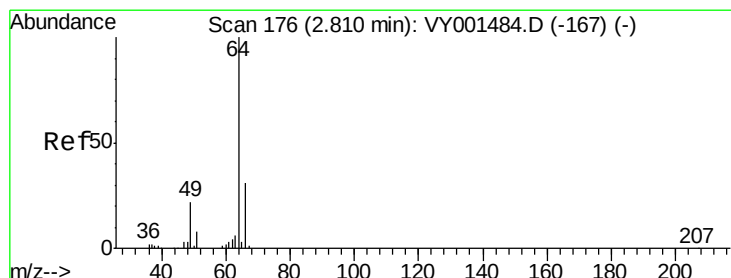
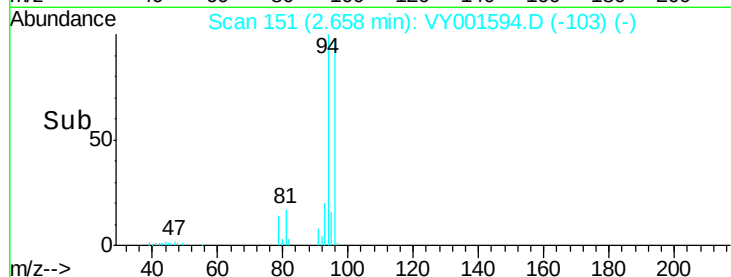
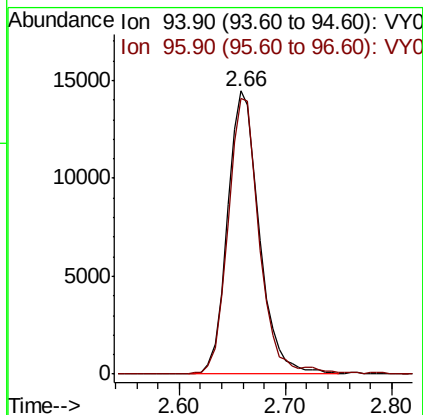
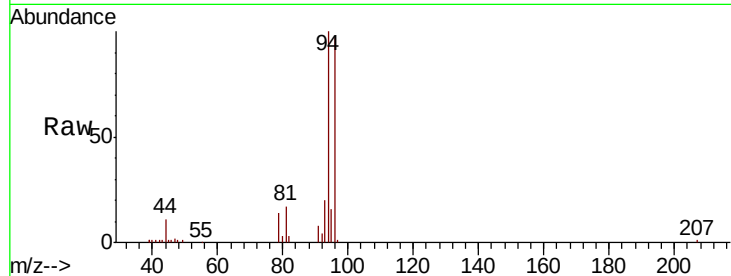
96 97.3 76.2 114.2

Manual Integrations

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#6

Chloroethane

Concen: 23.769 ug/l

RT: 2.80 min Scan# 175

Delta R.T. -0.01 min

Lab File: VY001594.D

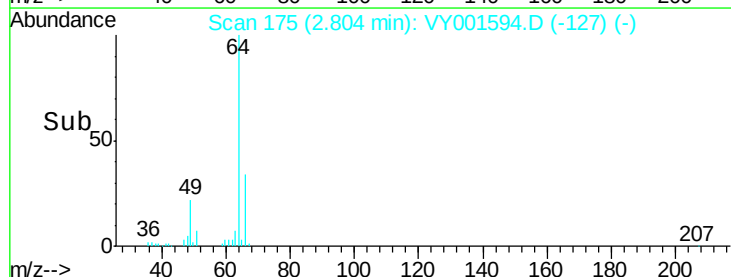
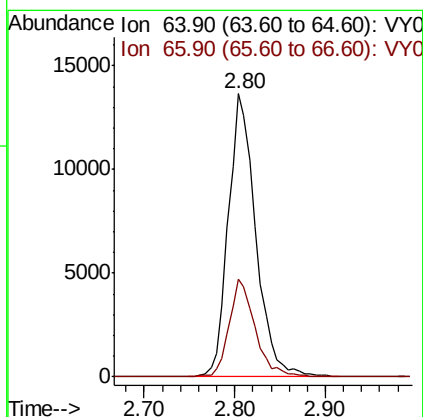
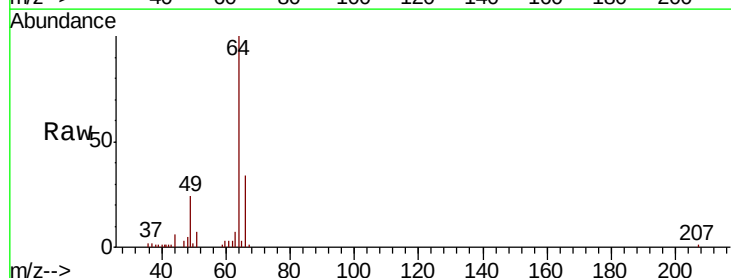
Acq: 11 Feb 2020 11:37

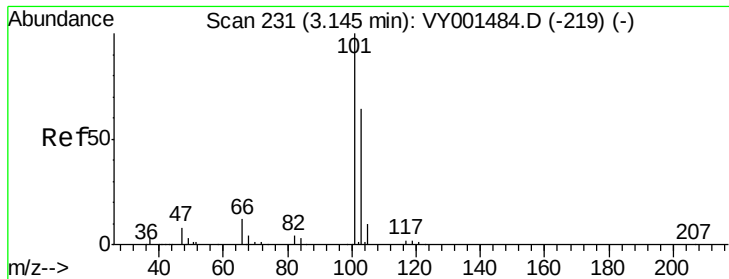
Tgt Ion: 64 Resp: 28721

Ion Ratio Lower Upper

64 100

66 34.4 24.5 36.7





#7

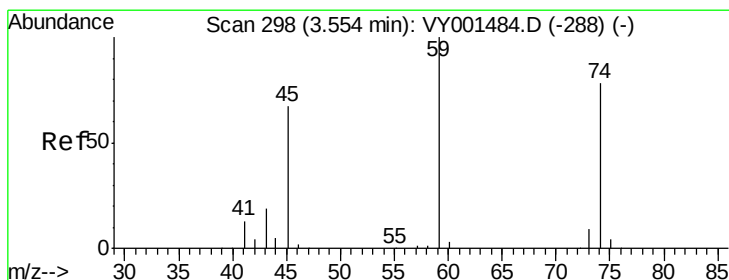
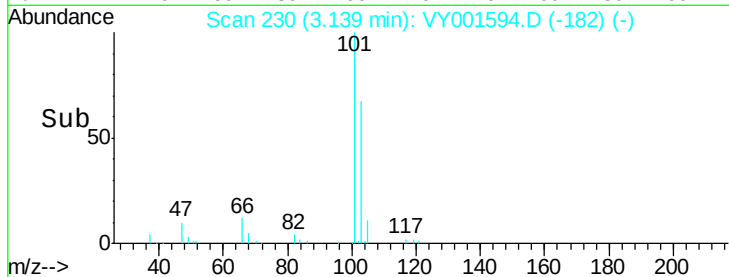
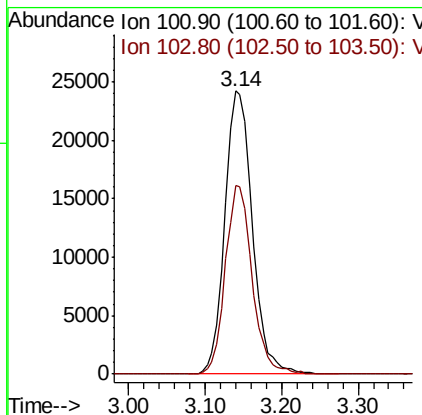
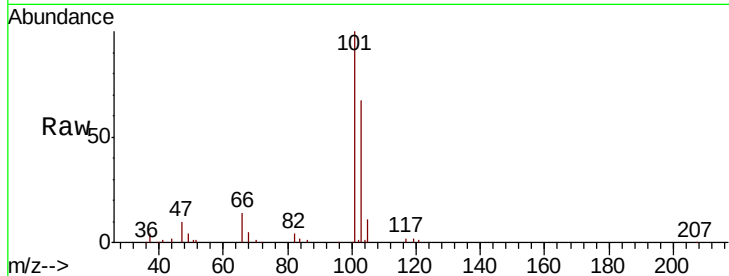
Trichlorofluoromethane
 Concen: 18.205 ug/l
 RT: 3.14 min Scan# 230
 Delta R.T. -0.01 min
 Lab File: VY001594.D
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 ClientSampleId :
 VY0211SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.6	50.9	76.3

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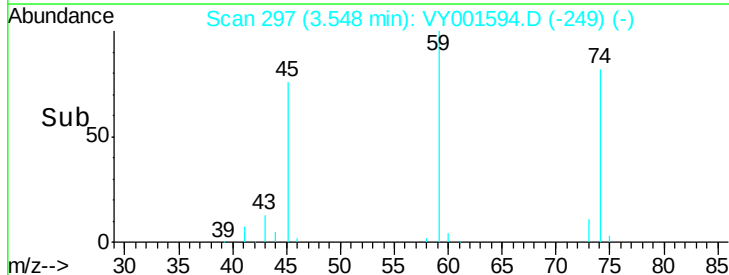
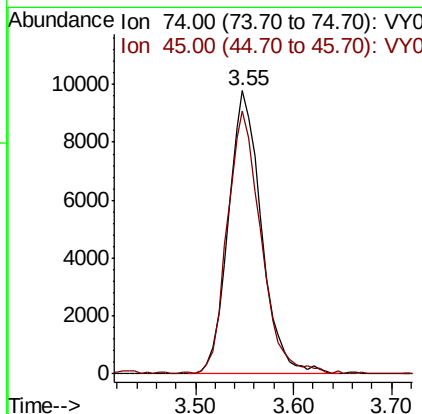
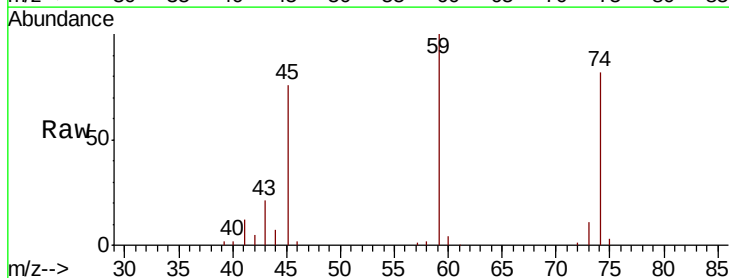
MMDadoda
 2/12/2020 3:12:17 PM

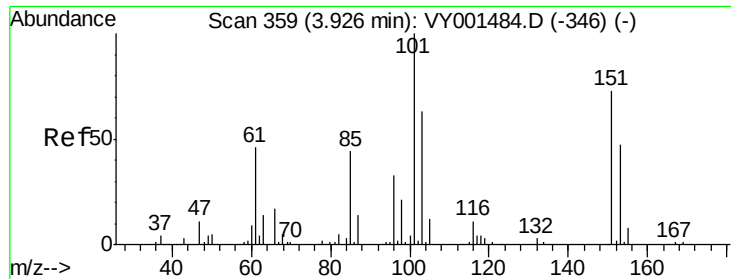


#8

Diethyl Ether
 Concen: 20.491 ug/l
 RT: 3.55 min Scan# 297
 Delta R.T. -0.01 min
 Lab File: VY001594.D
 Acq: 11 Feb 2020 11:37

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.9	44.5	133.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.461 ug/l

RT: 3.92 min Scan# 358

Delta R.T. -0.01 min

Lab File: VY001594.D

Acq: 11 Feb 2020 11:37

Instrument :

MSVOA_Y

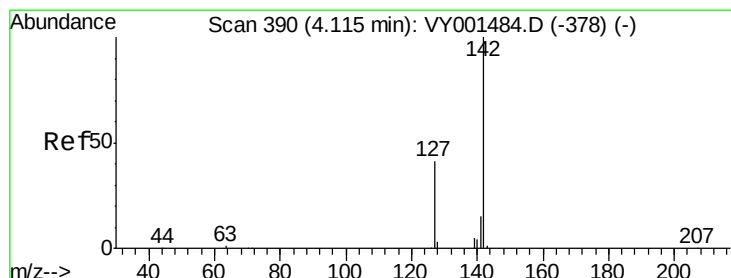
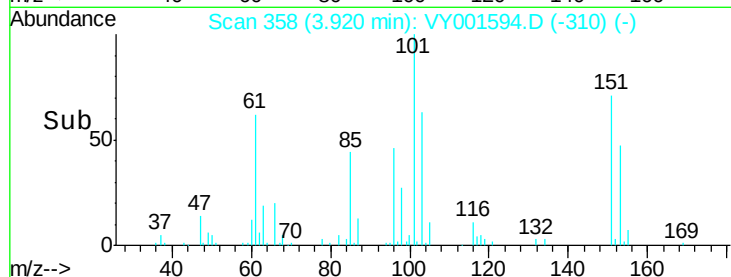
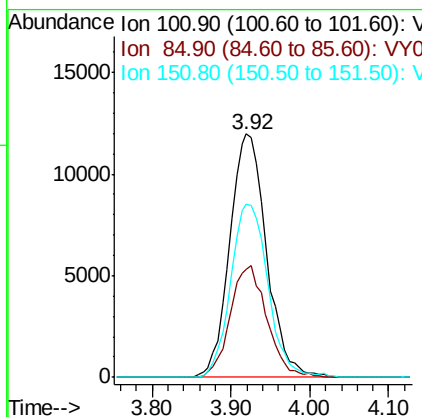
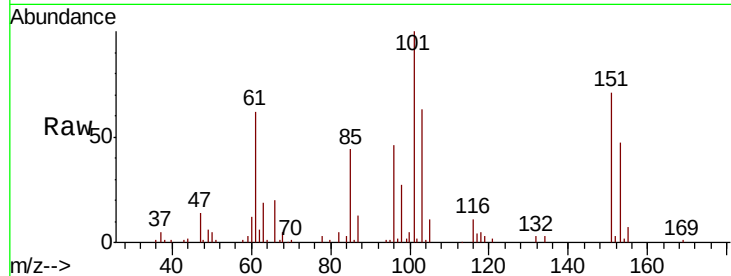
ClientSampleId :

VY0211SBS01

Tot Ion:	101	Resp:	38855
Ion Ratio	Lower	Upper	
101	100		
85	45.7	34.6	51.8
151	72.6	60.3	90.5

Manual Integrations
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#10

Methyl Iodide

Concen: 17.237 ug/l

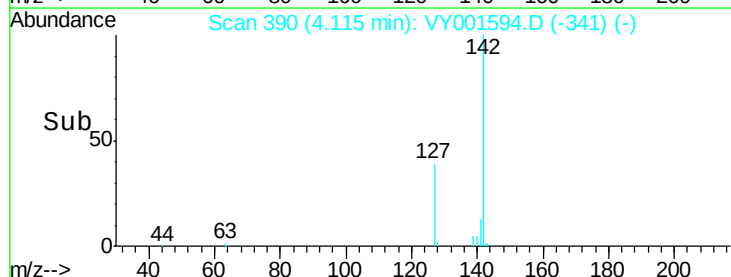
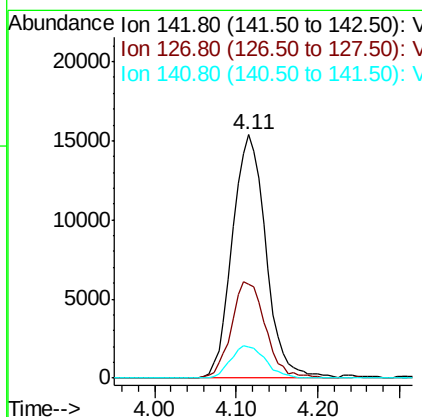
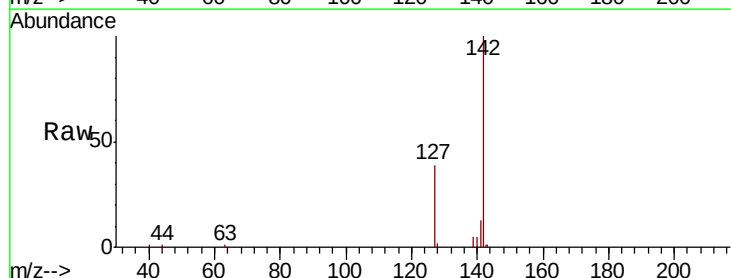
RT: 4.11 min Scan# 390

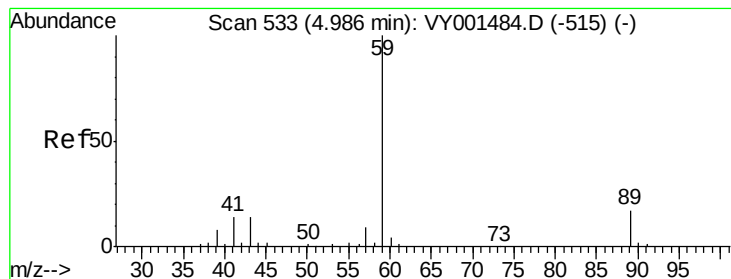
Delta R.T. 0.00 min

Lab File: VY001594.D

Acq: 11 Feb 2020 11:37

Tgt Ion:	142	Resp:	43850
Ion Ratio	Lower	Upper	
142	100		
127	40.2	33.3	49.9
141	13.8	11.5	17.3





#11

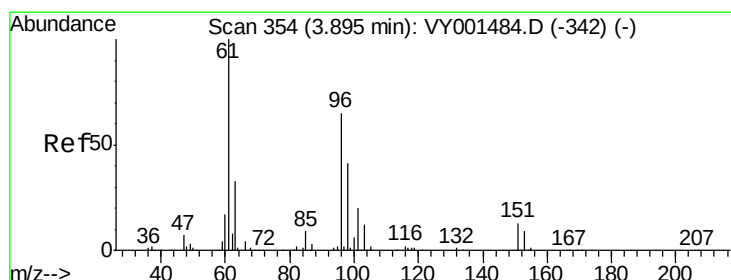
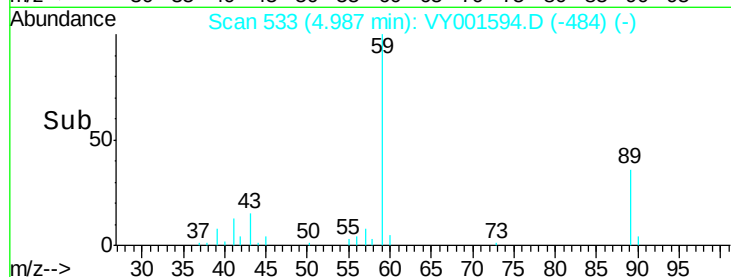
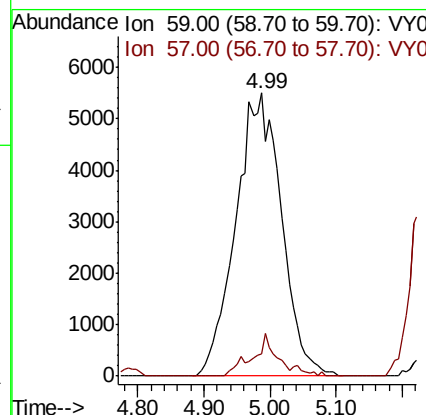
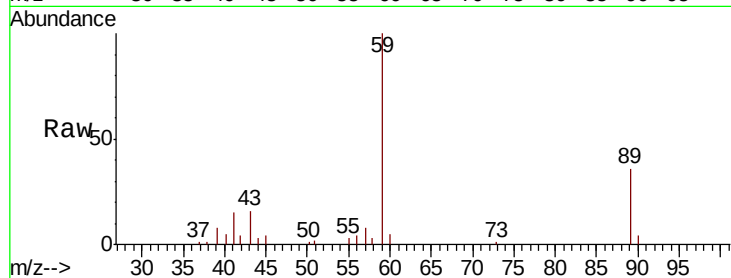
Tert butyl alcohol
Concen: 103.729 ug/l
RT: 4.99 min Scan# 533
Delta R.T. 0.00 min
Lab File: VY001594.D
Acq: 11 Feb 2020 11:37

Instrument :
MSVOA_Y
ClientSampleId :
VY0211SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	4.4	7.0	10.6#

Manual Integrations
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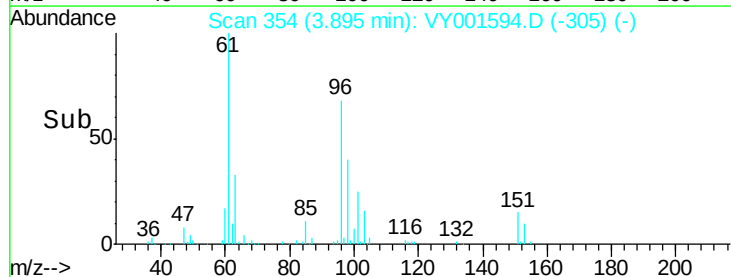
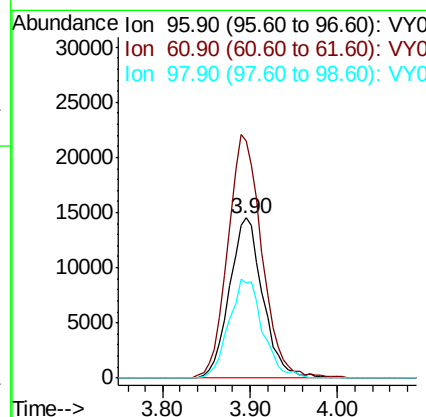
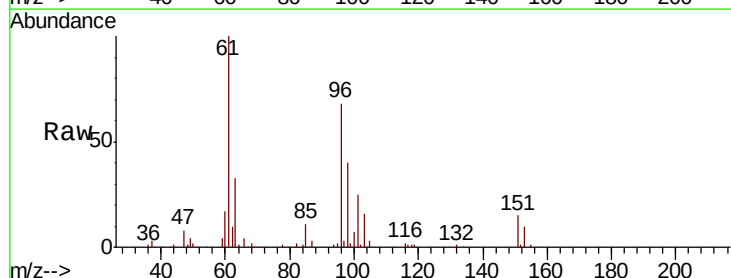
MMDadoda
2/12/2020 3:12:17 PM

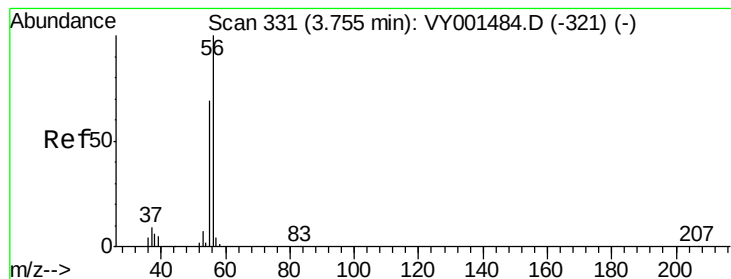


#12

1,1-Dichloroethene
Concen: 19.399 ug/l
RT: 3.90 min Scan# 354
Delta R.T. 0.00 min
Lab File: VY001594.D
Acq: 11 Feb 2020 11:37

Tgt Ion	Ratio	Lower	Upper
96	100		
61	147.4	122.3	183.5
98	59.7	49.7	74.5





#13

Acrolein

Concen: 99.912 ug/l

RT: 3.75 min Scan# 330

Delta R.T. -0.01 min

Lab File: VY001594.D

Acq: 11 Feb 2020 11:37

Instrument :

MSVOA_Y

ClientSampleId :

VY0211SBS01

Tot Ion: 56 Resp: 17975

Ion Ratio Lower Upper

56 100

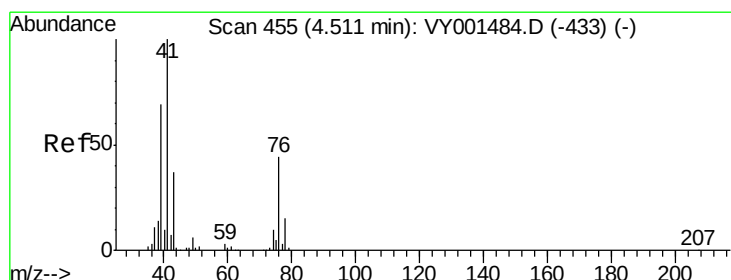
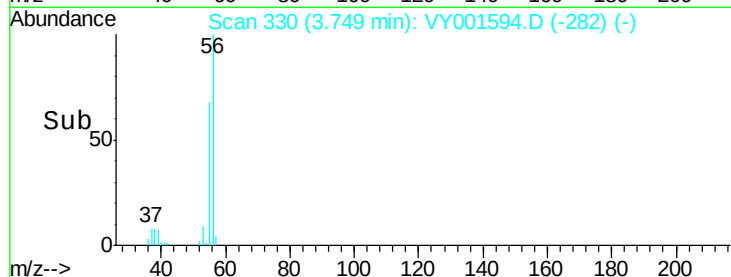
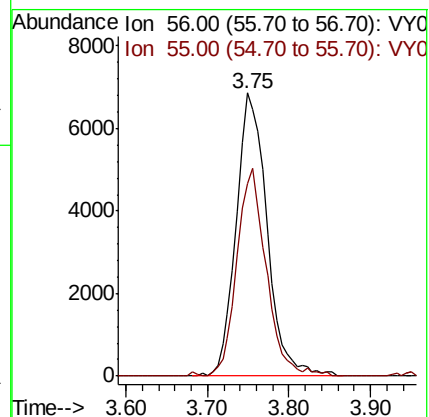
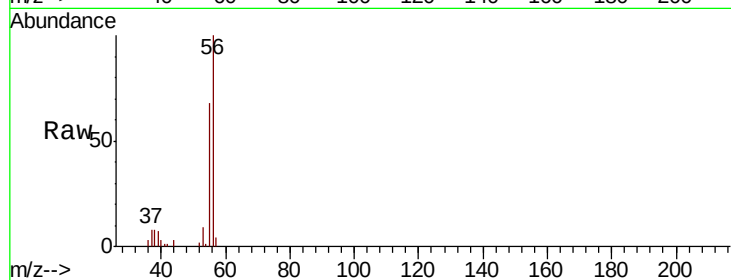
55 68.7 56.2 84.4

Manual Integrations

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#14

Allyl chloride

Concen: 22.280 ug/l

RT: 4.51 min Scan# 454

Delta R.T. -0.01 min

Lab File: VY001594.D

Acq: 11 Feb 2020 11:37

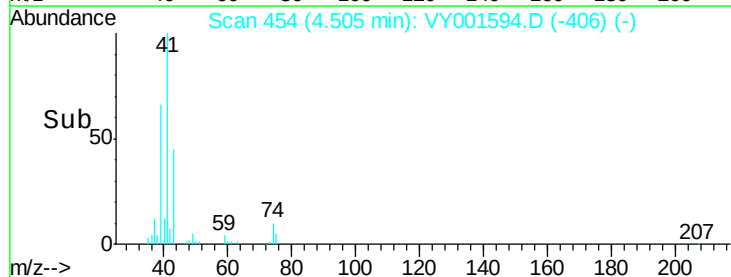
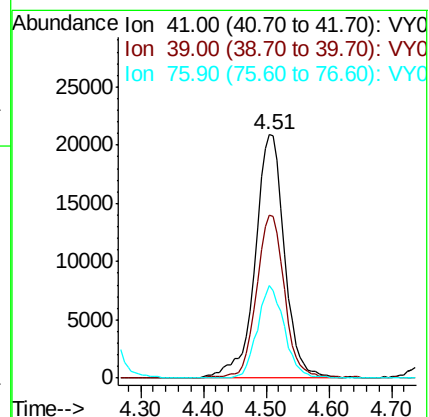
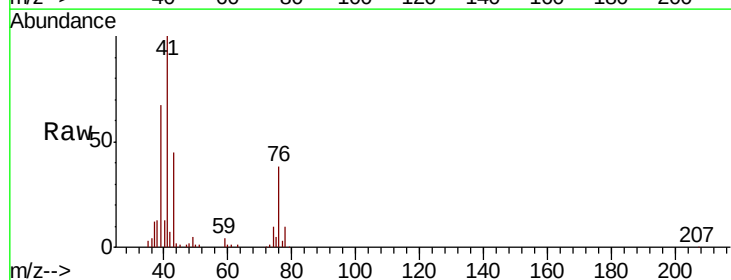
Tgt Ion: 41 Resp: 67620

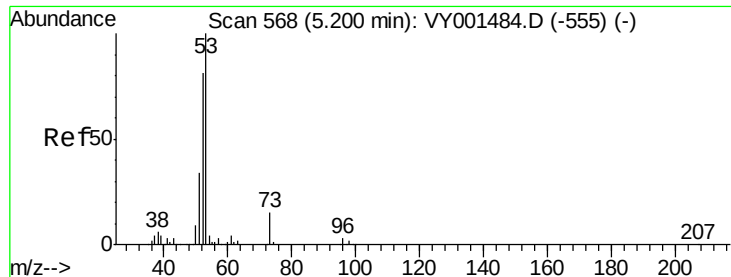
Ion Ratio Lower Upper

41 100

39 64.2 53.0 79.6

76 35.0 32.6 48.8





#15

Acrylonitrile

Concen: 113.433 ug/l

RT: 5.20 min Scan# 568

Delta R.T. 0.00 min

Lab File: VY001594.D

Acq: 11 Feb 2020 11:37

Instrument :

MSVOA_Y

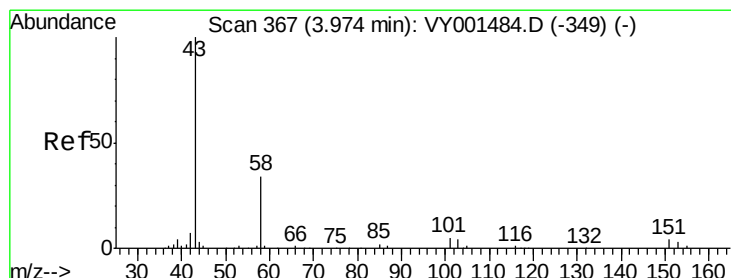
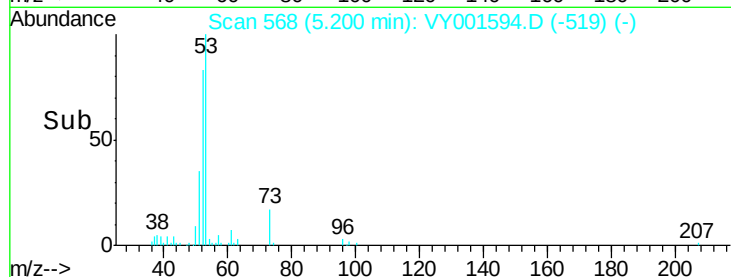
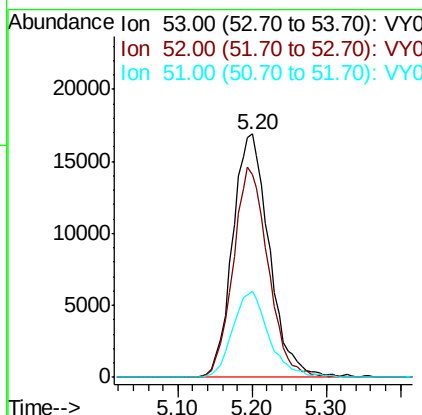
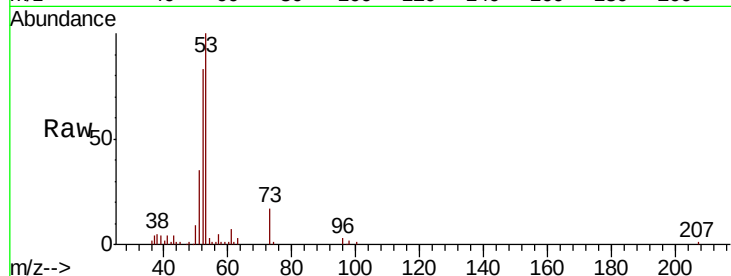
ClientSampleId :

VY0211SBS01

Tot Ion:	53	Resp:	58229
Ion Ratio	Lower	Upper	
53	100		
52	82.6	65.4	98.2
51	34.3	29.0	43.4

Manual Integrations
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#16

Acetone

Concen: 105.141 ug/l

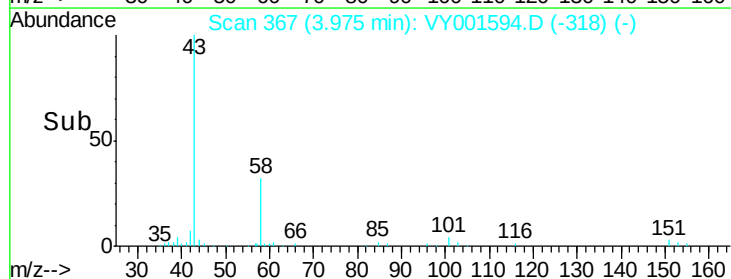
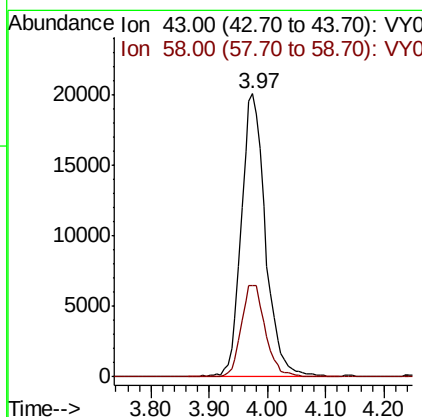
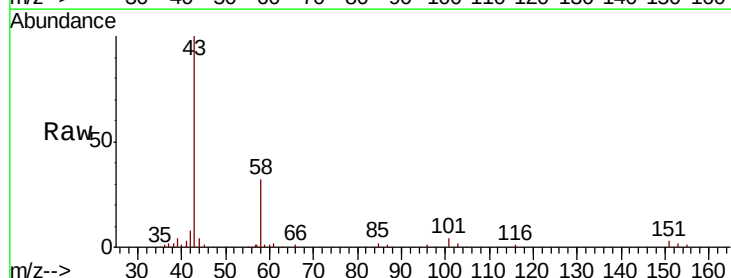
RT: 3.97 min Scan# 367

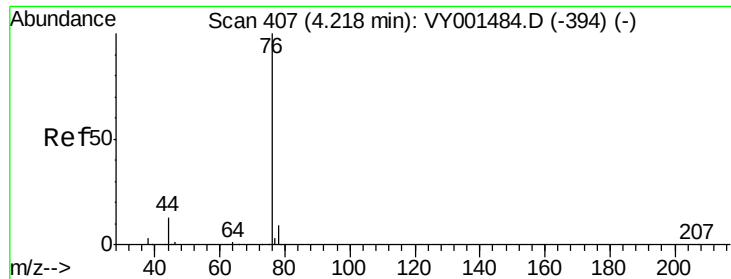
Delta R.T. 0.00 min

Lab File: VY001594.D

Acq: 11 Feb 2020 11:37

Tgt Ion:	43	Resp:	57785
Ion Ratio	Lower	Upper	
43	100		
58	32.2	27.5	41.3





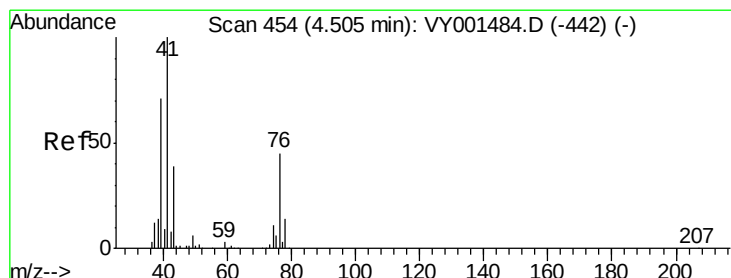
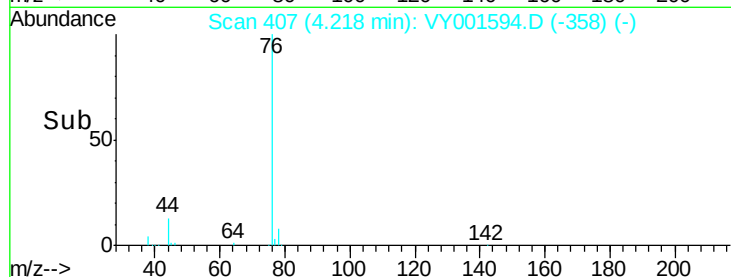
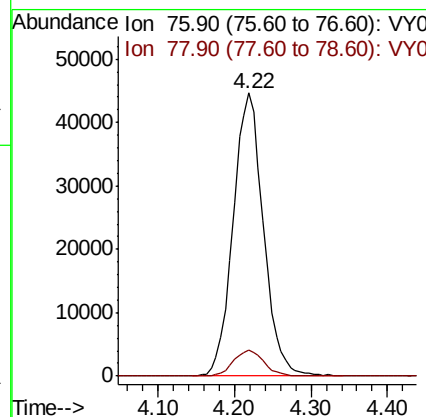
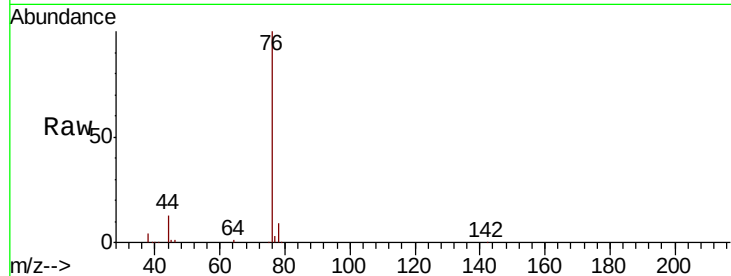
#17
Carbon Disulfide
Concen: 19.313 ug/l
RT: 4.22 min Scan# 407
Delta R.T. 0.00 min
Lab File: VY001594.D
Acq: 11 Feb 2020 11:37

Instrument :
MSVOA_Y
ClientSampleId :
VY0211SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.0	10.6

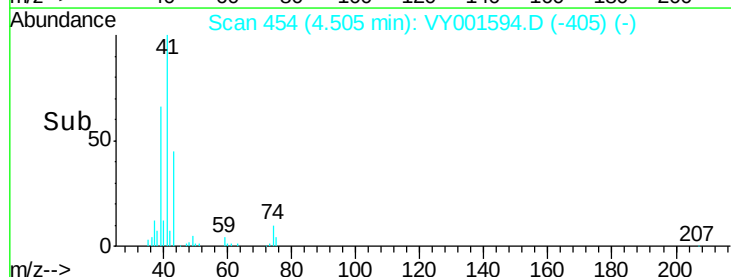
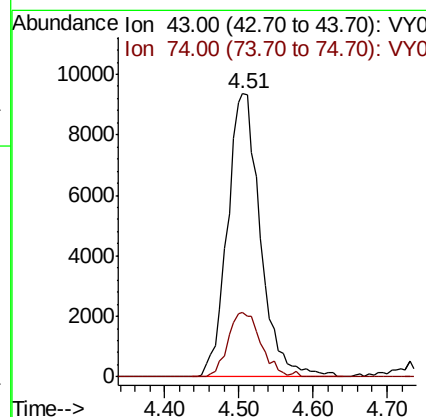
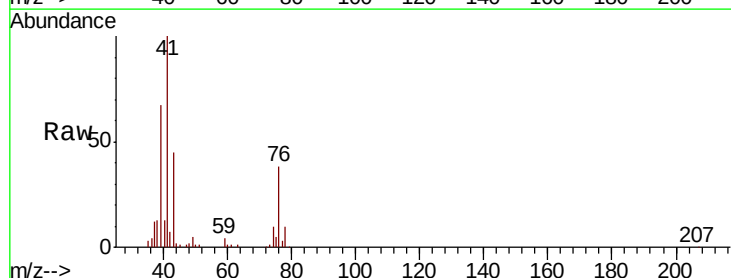
Manual Integrations
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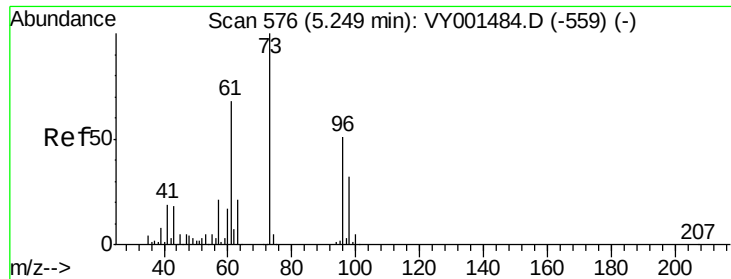
MMDadoda
2/12/2020 3:12:17 PM



#18
Methyl Acetate
Concen: 24.681 ug/l
RT: 4.51 min Scan# 454
Delta R.T. 0.00 min
Lab File: VY001594.D
Acq: 11 Feb 2020 11:37

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.5	21.0	31.6





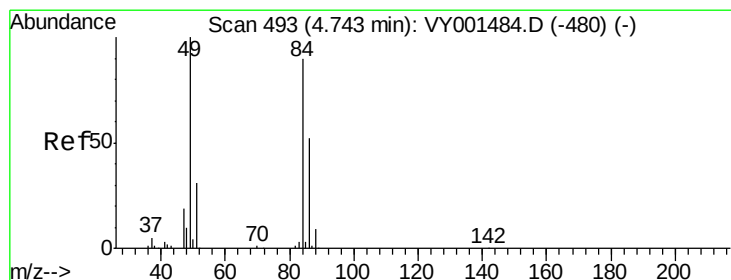
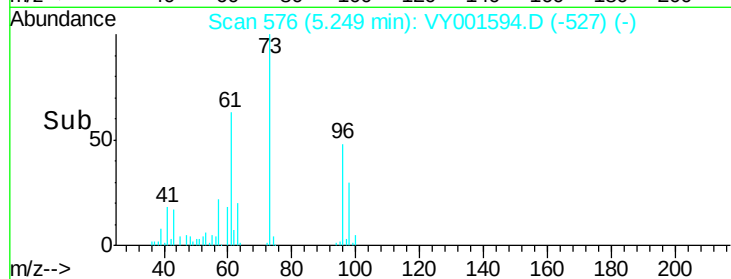
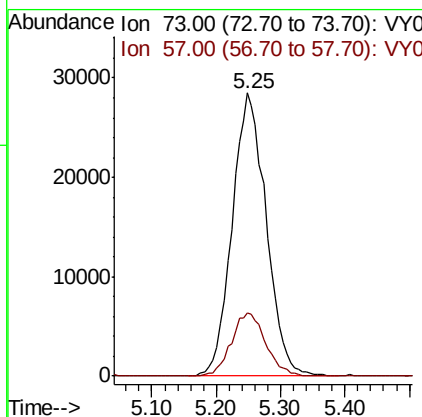
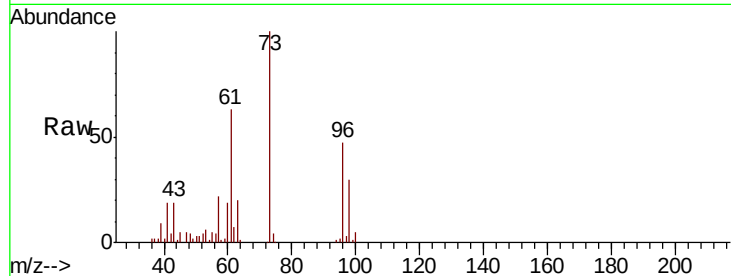
#19
Methyl tert-butyl Ether
Concen: 19.739 ug/l
RT: 5.25 min Scan# 576
Delta R.T. 0.00 min
Lab File: VY001594.D
Acq: 11 Feb 2020 11:37

Instrument :
MSVOA_Y
ClientSampleId :
VY0211SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.2	17.0	25.6

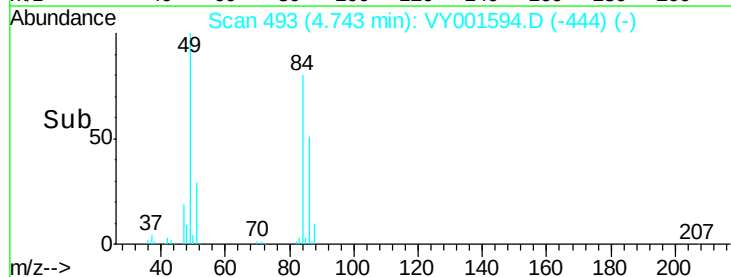
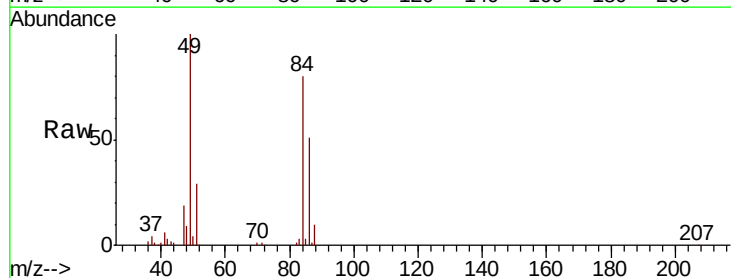
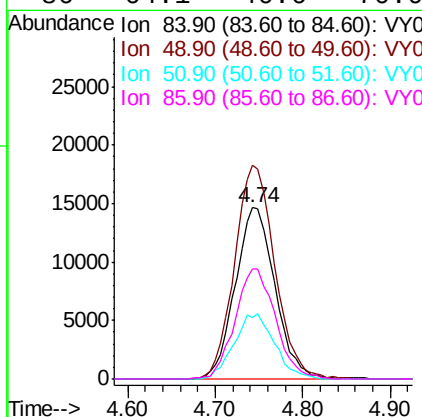
Manual Integrations
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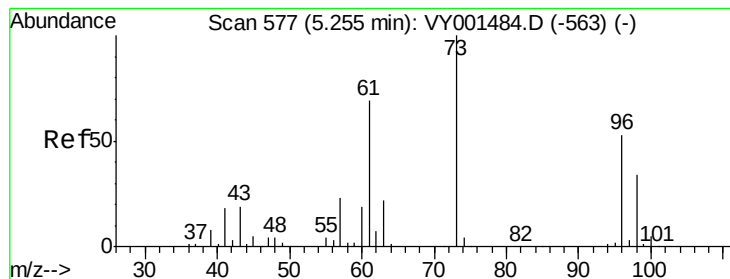
MMDadoda
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#20
Methylene Chloride
Concen: 18.476 ug/l
RT: 4.74 min Scan# 493
Delta R.T. 0.00 min
Lab File: VY001594.D
Acq: 11 Feb 2020 11:37

Tgt Ion	Ratio	Lower	Upper
84	100		
49	125.0	89.0	133.6
51	36.1	27.4	41.2
86	64.1	46.6	70.0





#21

trans-1,2-Dichloroethene

Concen: 19.360 ug/l

RT: 5.25 min Scan# 576

Delta R.T. -0.01 min

Lab File: VY001594.D

Acq: 11 Feb 2020 11:37

Instrument :

MSVOA_Y

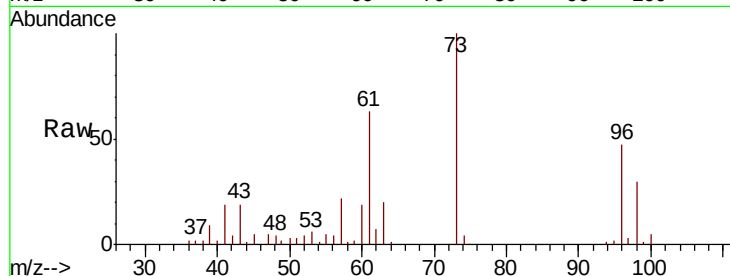
ClientSampleId :

VY0211SBS01

Tot Ion:	96	Resp:	42701
Ion	Ratio	Lower	Upper
96	100		
61	133.7	104.2	156.4
98	62.5	51.4	77.0

Manual Integrations
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2/12/2020 3:12:17 PM

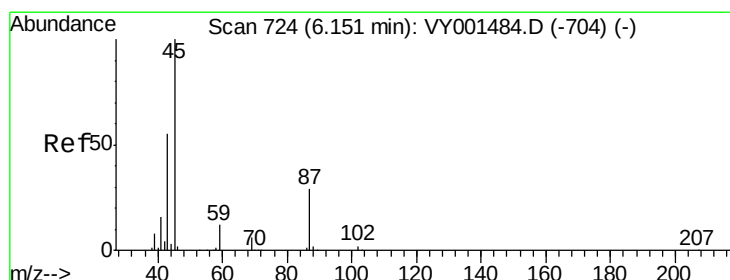
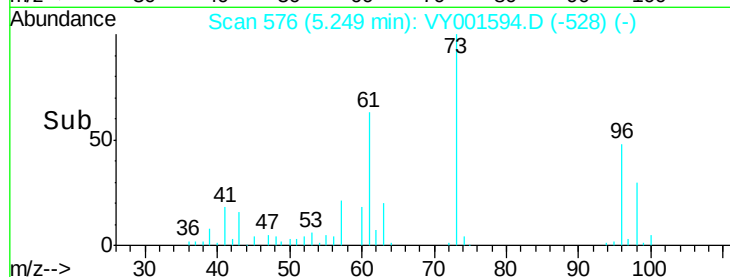
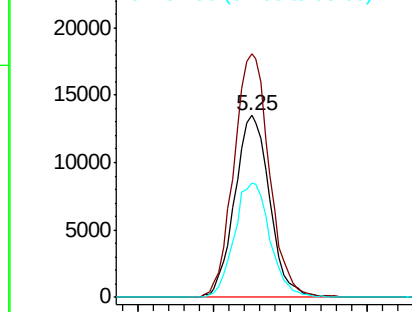


Abundance

Ion 95.90 (95.60 to 96.60): VY0

Ion 60.90 (60.60 to 61.60): VY0

Ion 97.90 (97.60 to 98.60): VY0



#22

Diisopropyl ether

Concen: 22.335 ug/l

RT: 6.15 min Scan# 724

Delta R.T. 0.00 min

Lab File: VY001594.D

Acq: 11 Feb 2020 11:37

Tgt Ion:	45	Resp:	134303
Ion	Ratio	Lower	Upper
45	100		
43	56.4	44.2	66.4
87	27.5	23.9	35.9
59	11.4	10.2	15.2

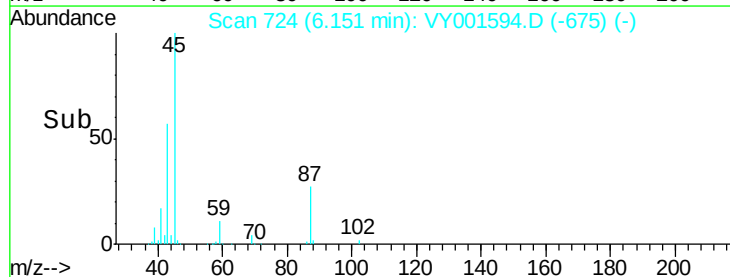
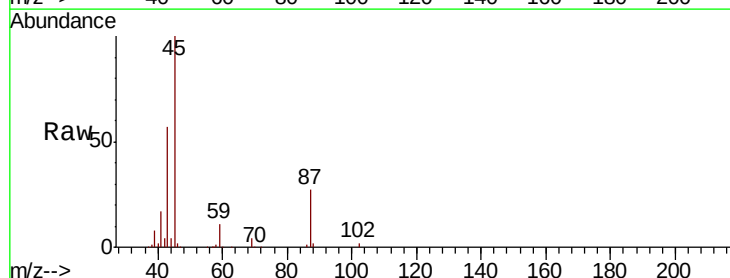
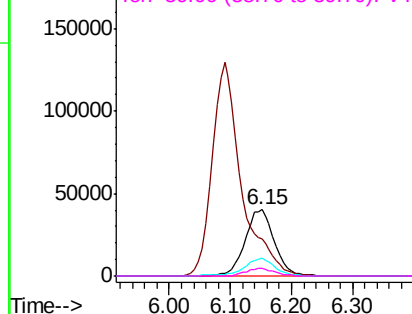
Abundance

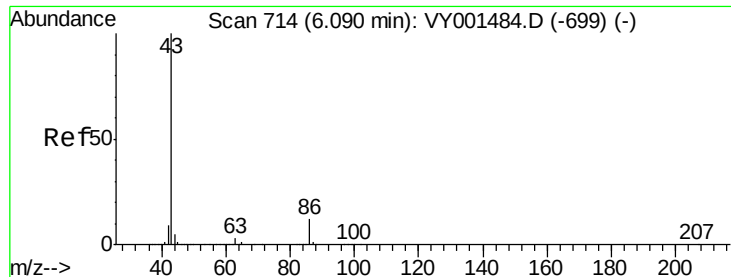
Ion 45.00 (44.70 to 45.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 87.00 (86.70 to 87.70): VY0

Ion 59.00 (58.70 to 59.70): VY0





#23

Vinyl Acetate

Concen: 113.616 ug/l

RT: 6.09 min Scan# 714

Delta R.T. 0.00 min

Lab File: VY001594.D

Acq: 11 Feb 2020 11:37

Instrument :

MSVOA_Y

ClientSampleId :

VY0211SBS01

Tot Ion: 43 Resp: 434910

Ion Ratio Lower Upper

43 100

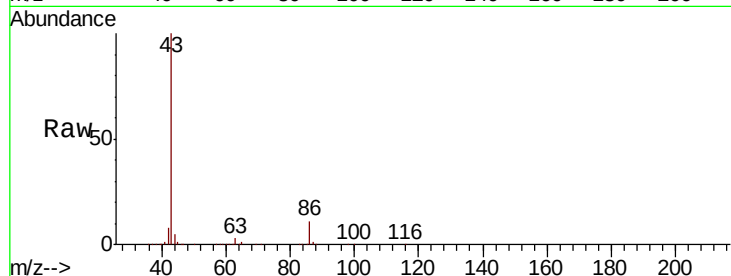
86 10.9 9.8 14.8

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

150000

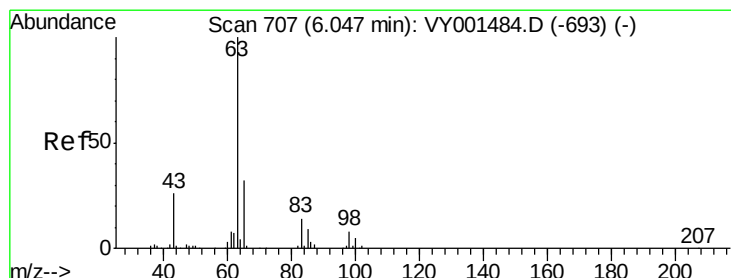
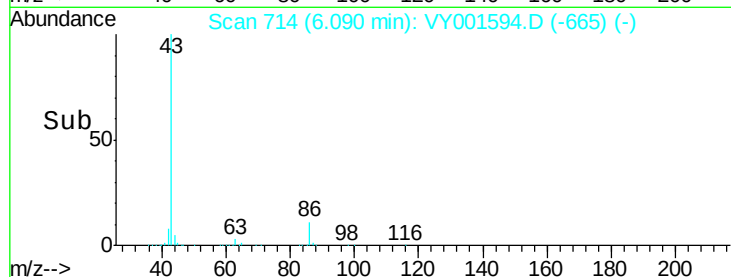
100000

50000

0

6.09

Time-->



#24

1,1-Dichloroethane

Concen: 20.283 ug/l

RT: 6.05 min Scan# 707

Delta R.T. 0.00 min

Lab File: VY001594.D

Acq: 11 Feb 2020 11:37

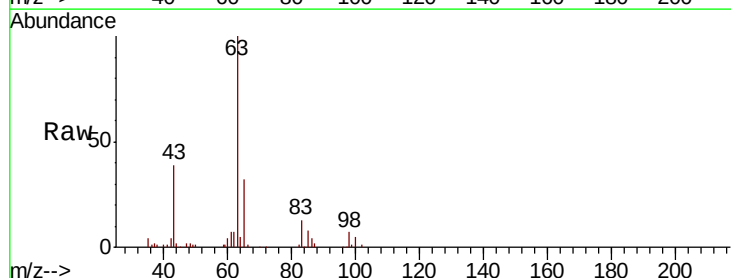
Tgt Ion: 63 Resp: 73361

Ion Ratio Lower Upper

63 100

98 7.1 4.0 11.9

100 5.0 2.6 8.0



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0

30000

25000

20000

15000

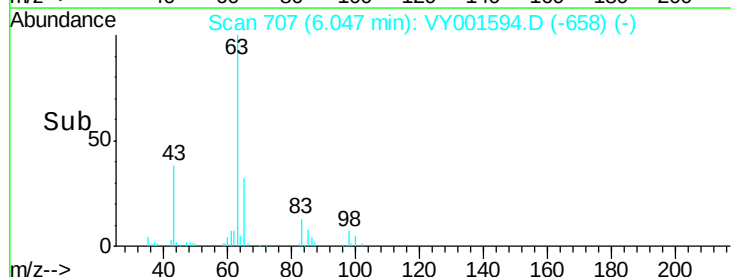
10000

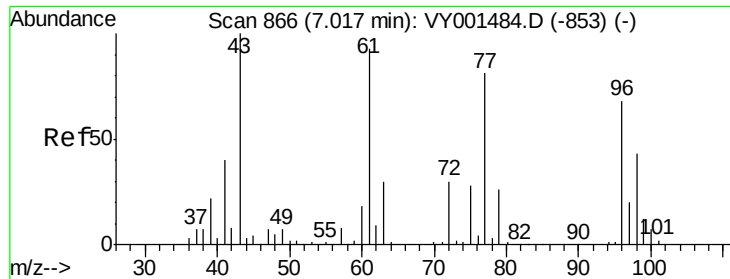
5000

0

6.05

Time-->





#25

2-Butanone

Concen: 116.320 ug/l

RT: 7.02 min Scan# 866

Delta R.T. 0.00 min

Lab File: VY001594.D

Acq: 11 Feb 2020 11:37

Instrument :

MSVOA_Y

ClientSampleId :

VY0211SBS01

Tot Ion: 43 Resp: 82938

Ion Ratio Lower Upper

43 100

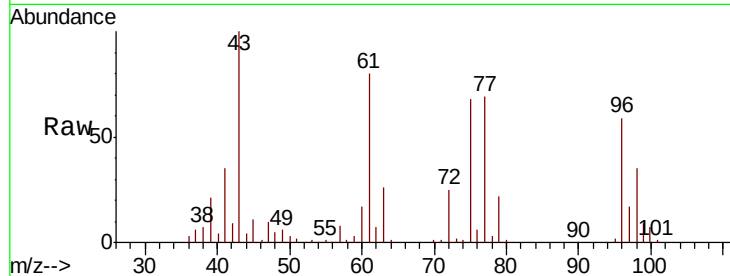
72 25.2 23.8 35.8

Manual Integrations

APPROVED

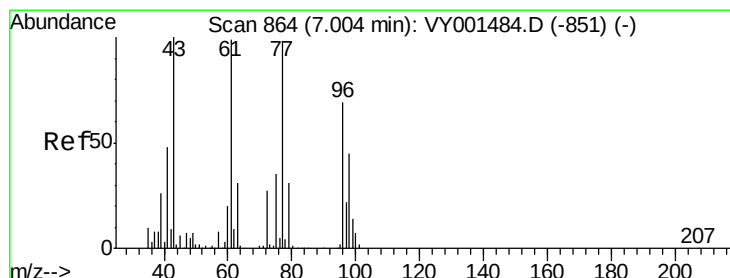
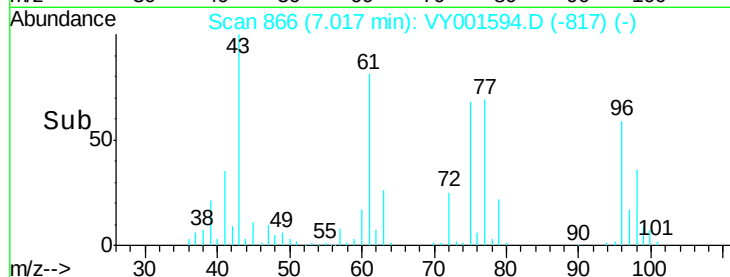
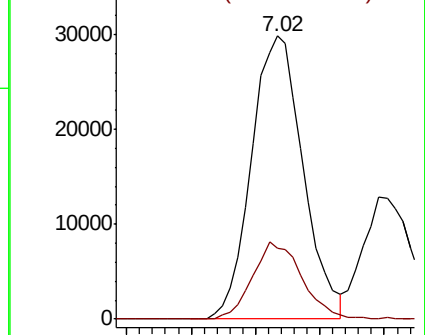
MMDadoda

2/12/2020 3:12:17 PM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#26

2,2-Dichloropropane

Concen: 18.941 ug/l

RT: 7.01 min Scan# 865

Delta R.T. 0.01 min

Lab File: VY001594.D

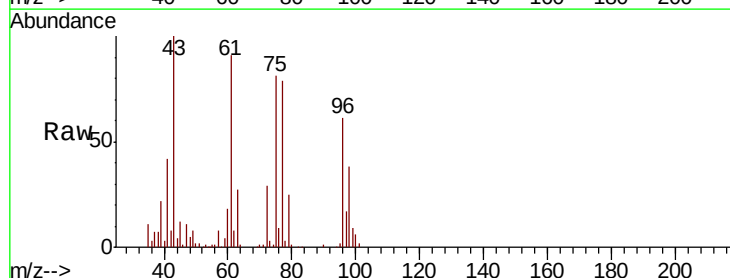
Acq: 11 Feb 2020 11:37

Tgt Ion: 77 Resp: 65565

Ion Ratio Lower Upper

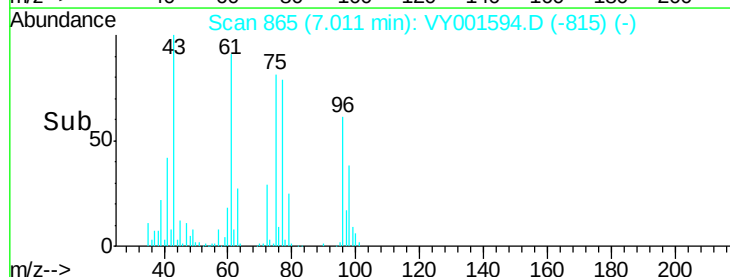
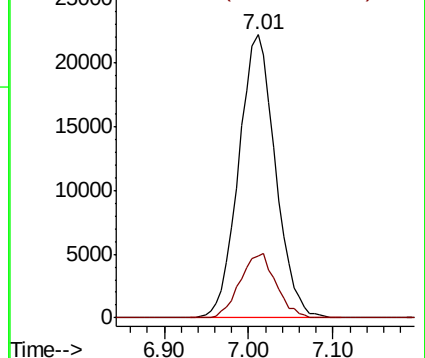
77 100

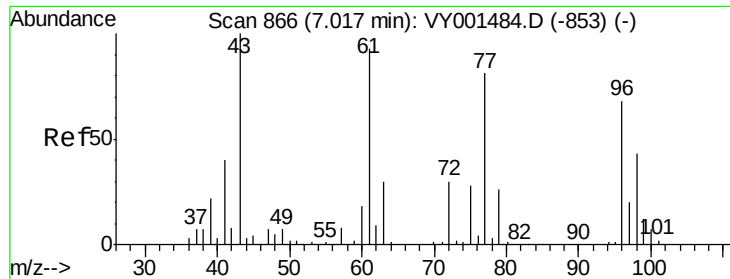
97 22.2 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0





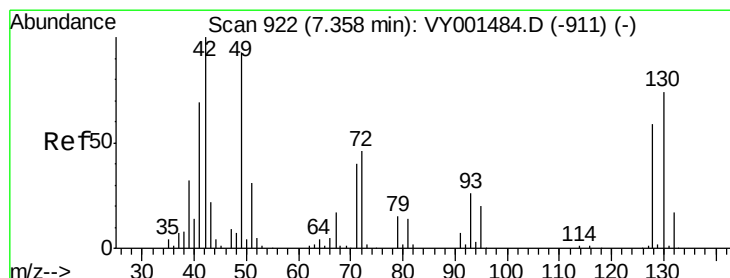
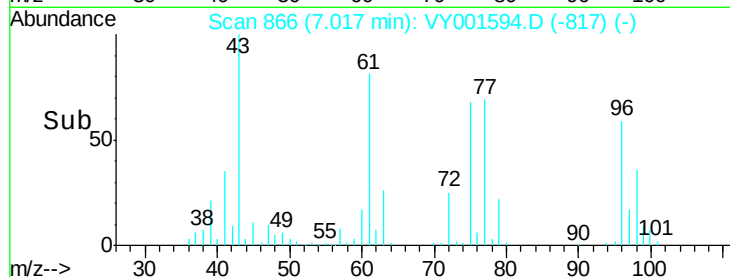
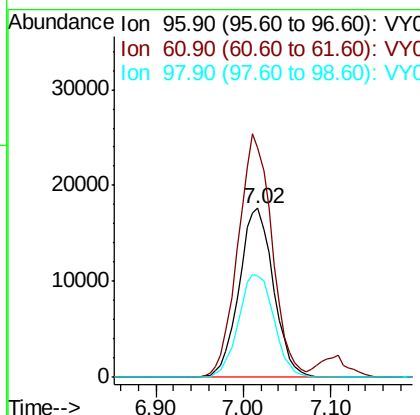
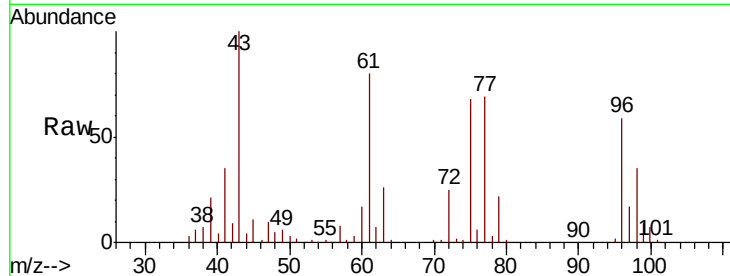
#27
 cis-1,2-Dichloroethene
 Concen: 19.979 ug/l
 RT: 7.02 min Scan# 866
 Delta R.T. 0.00 min
 Lab File: VY001594.D
 Acq: 11 Feb 2020 11:37

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0211SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	142.9	0.0	278.8
98	63.1	0.0	128.8

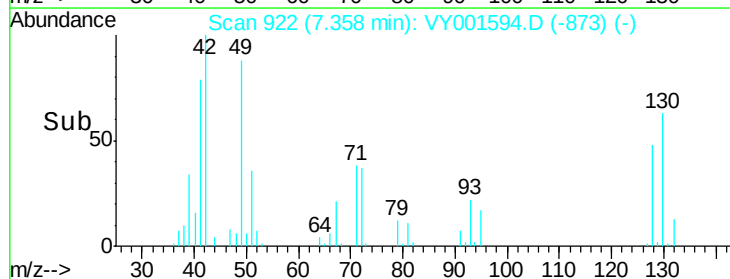
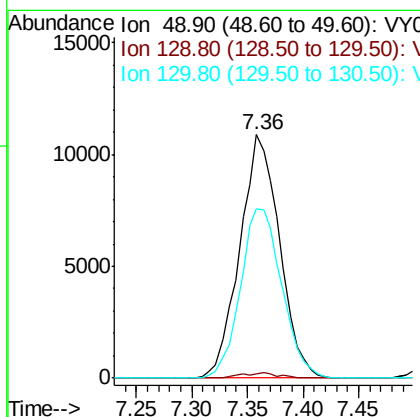
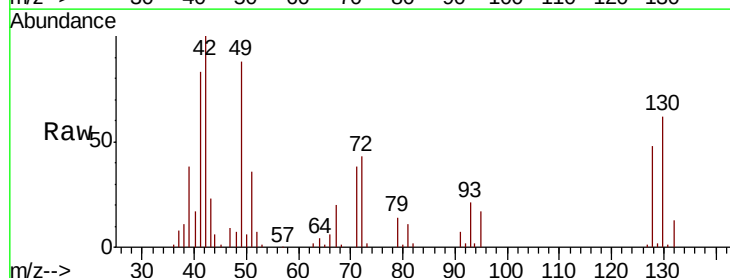
Manual Integrations
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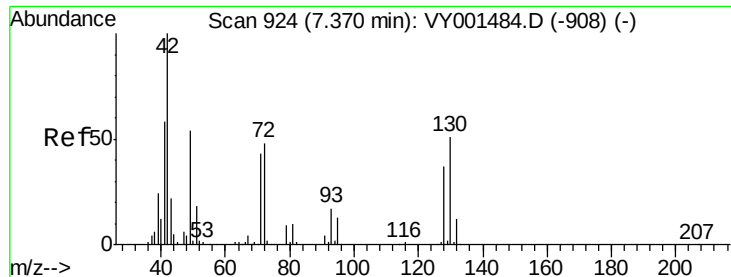
MMDadoda
 2/12/2020 3:12:17 PM



#28
 Bromochloromethane
 Concen: 21.918 ug/l
 RT: 7.36 min Scan# 922
 Delta R.T. 0.00 min
 Lab File: VY001594.D
 Acq: 11 Feb 2020 11:37

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.8
130	72.3	65.4	98.2





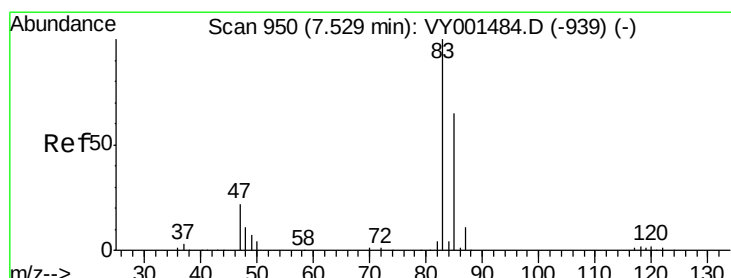
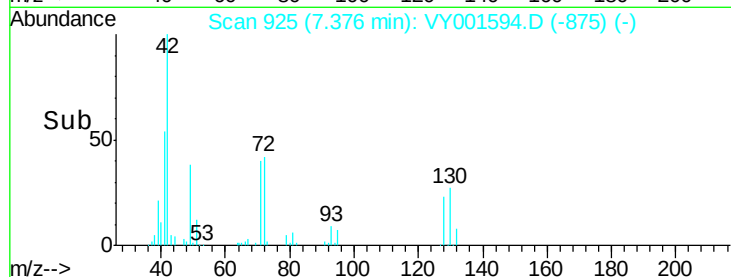
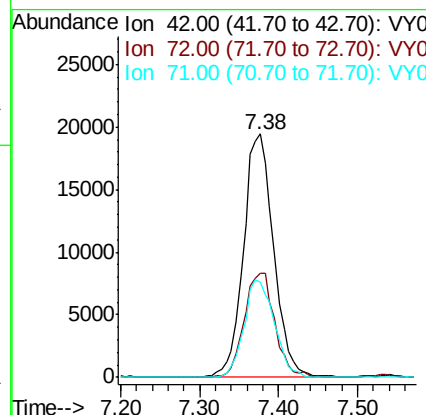
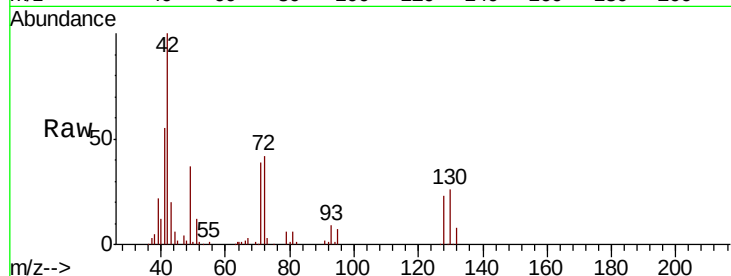
#29
Tetrahydrofuran
Concen: 121.202 ug/l
RT: 7.38 min Scan# 925
Delta R.T. 0.01 min
Lab File: VY001594.D
Acq: 11 Feb 2020 11:37

Instrument :
MSVOA_Y
ClientSampleId :
VY0211SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.4	37.8	56.6
71	40.4	34.8	52.2

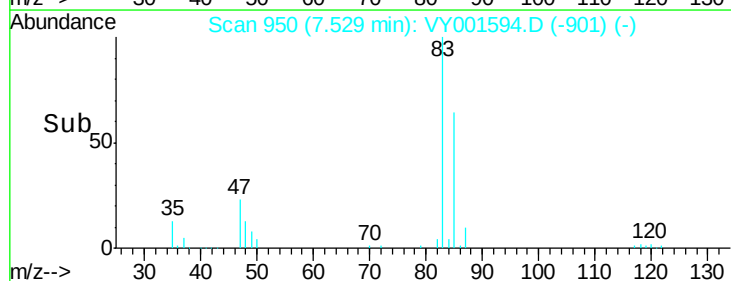
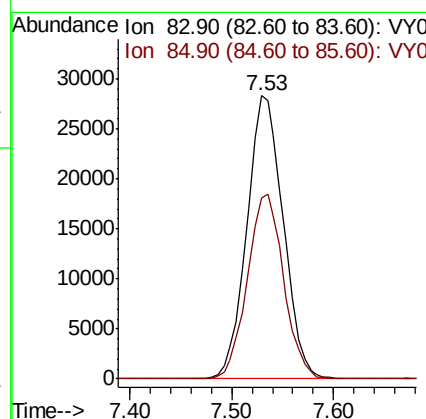
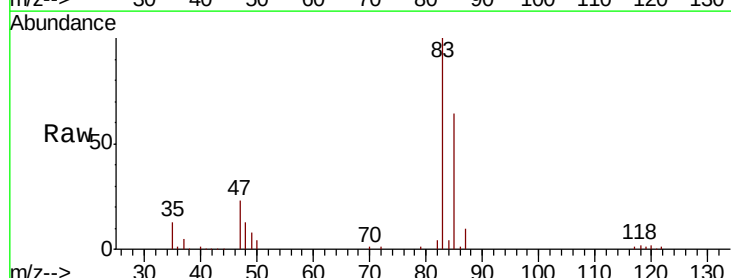
Manual Integrations
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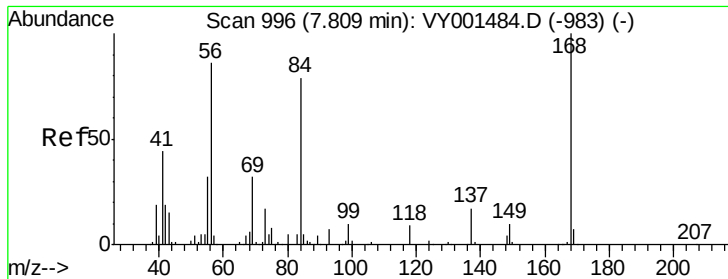
MMDadoda
2/12/2020 3:12:17 PM



#30
Chloroform
Concen: 19.121 ug/l
RT: 7.53 min Scan# 950
Delta R.T. 0.00 min
Lab File: VY001594.D
Acq: 11 Feb 2020 11:37

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	52.4	78.6





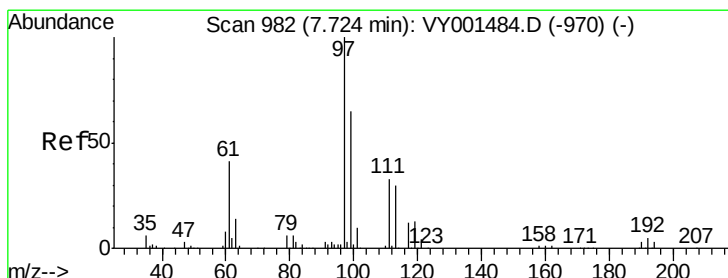
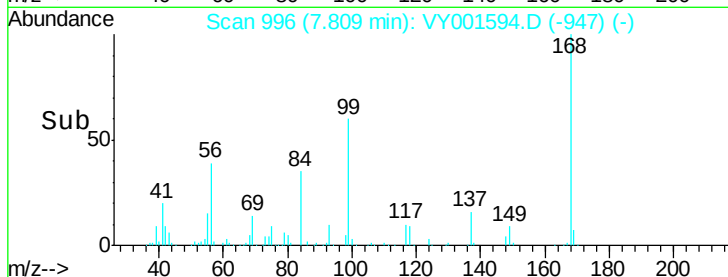
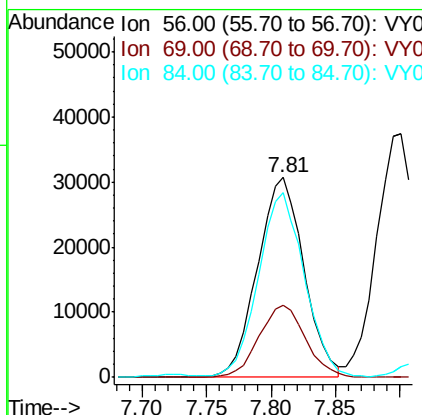
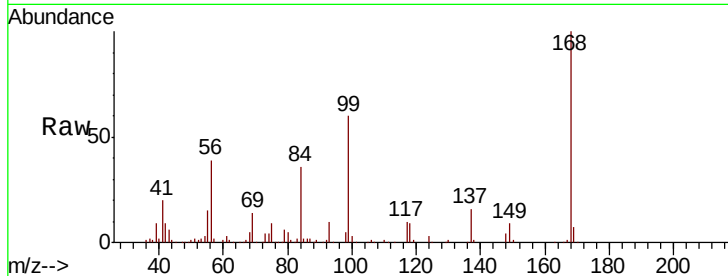
#31
Cyclohexane
Concen: 20.744 ug/l
RT: 7.81 min Scan# 996
Delta R.T. 0.00 min
Lab File: VY001594.D
Acq: 11 Feb 2020 11:37

Instrument :
MSVOA_Y
ClientSampleId :
VY0211SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.9	29.6	44.4
84	91.2	73.6	110.4

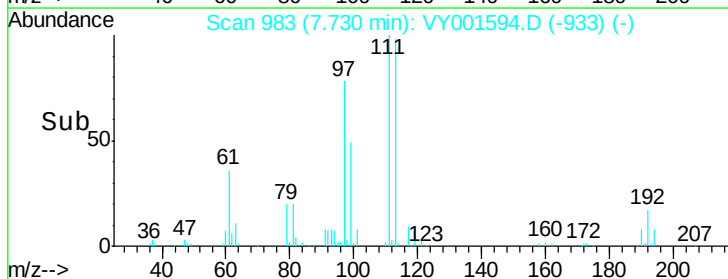
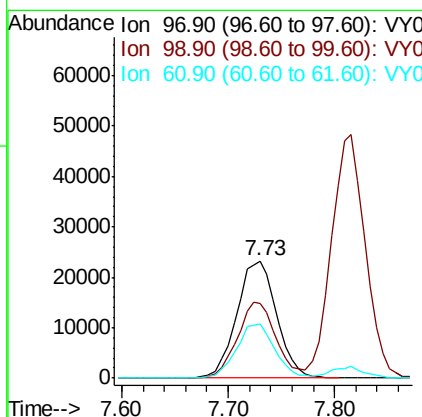
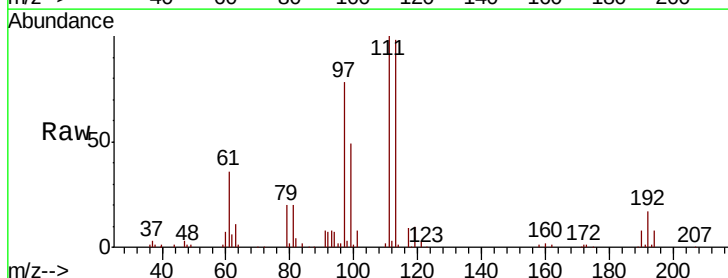
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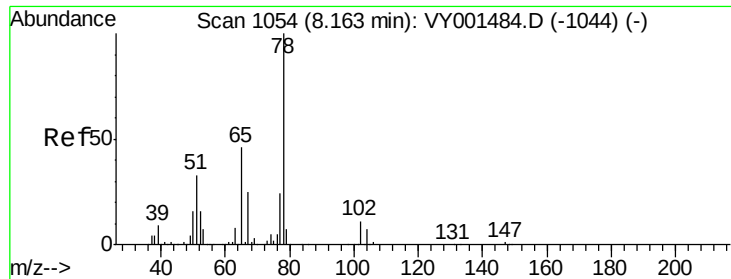
MMDadoda
2/12/2020 3:12:17 PM



#32
1,1,1-Trichloroethane
Concen: 18.351 ug/l
RT: 7.73 min Scan# 983
Delta R.T. 0.01 min
Lab File: VY001594.D
Acq: 11 Feb 2020 11:37

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.6	51.8	77.8
61	44.8	32.5	48.7





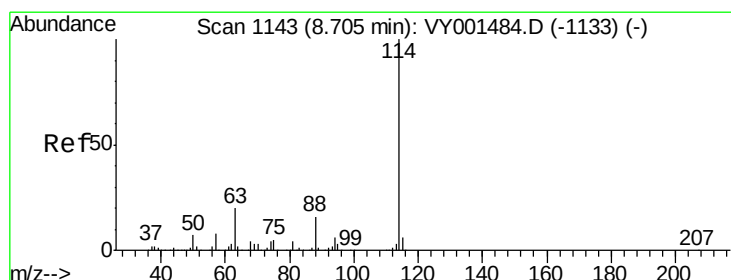
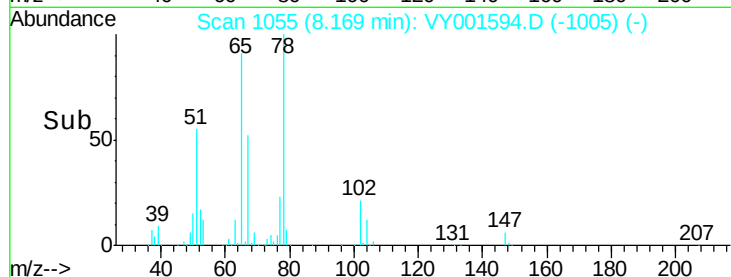
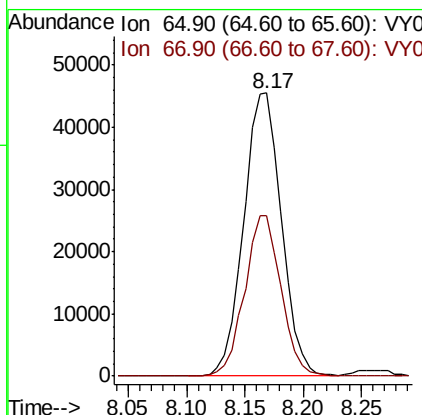
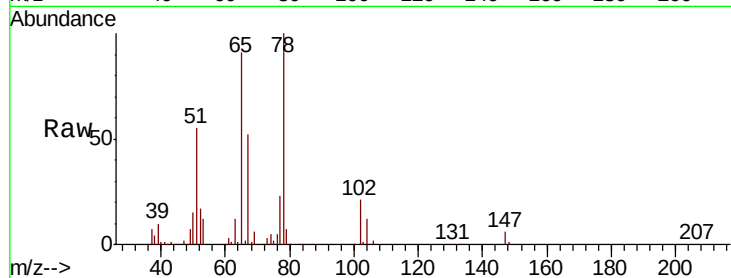
#33
 1,2-Dichloroethane-d4
 Concen: 54.126 ug/l
 RT: 8.17 min Scan# 1055
 Delta R.T. 0.01 min
 Lab File: VY001594.D
 Acq: 11 Feb 2020 11:37

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0211SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.6	0.0	102839	108.6

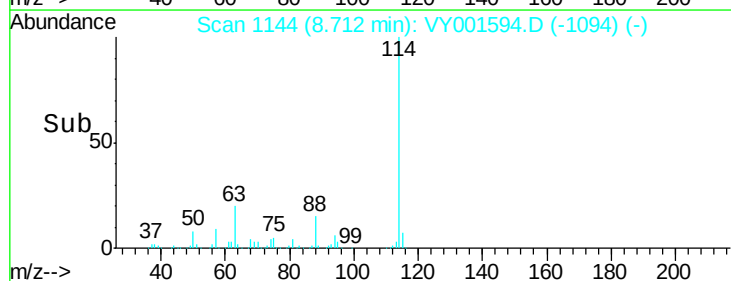
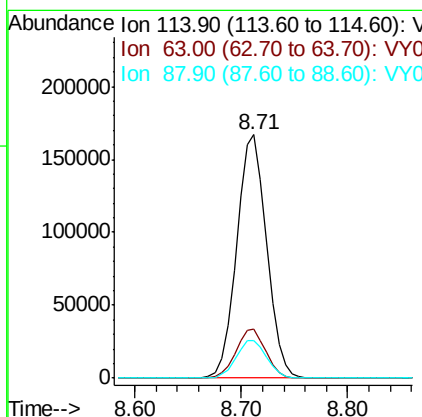
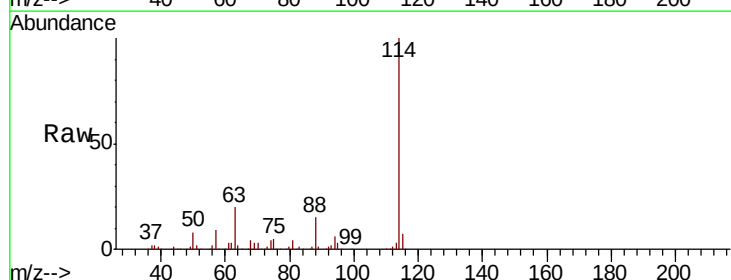
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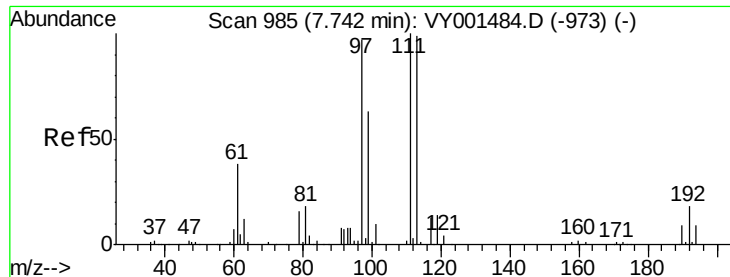
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 2/12/2020 3:12:17 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1144
 Delta R.T. 0.01 min
 Lab File: VY001594.D
 Acq: 11 Feb 2020 11:37

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	20.1	0.0	328693	39.8
88	15.5	0.0	32.6	





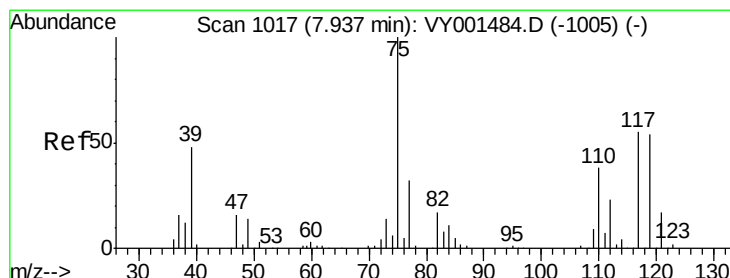
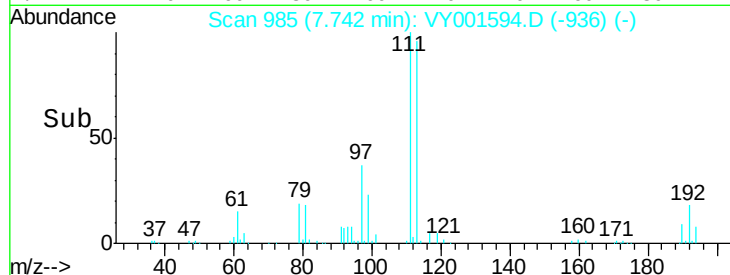
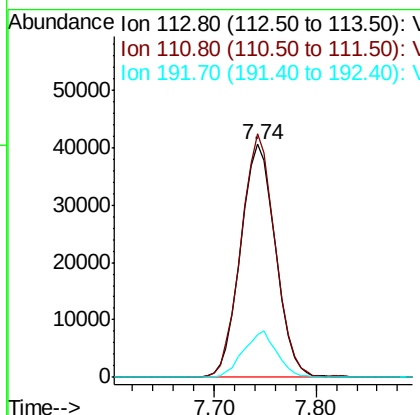
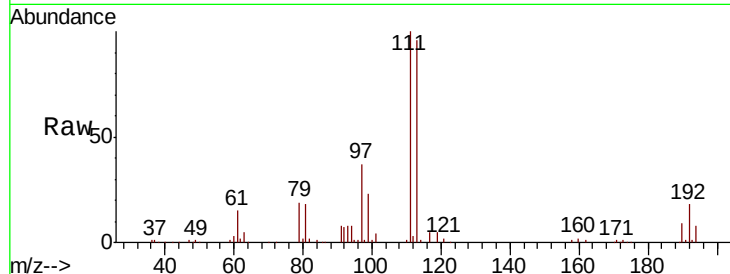
#35
 Dibromofluoromethane
 Concen: 51.177 ug/l
 RT: 7.74 min Scan# 985
 Delta R.T. 0.00 min
 Lab File: VY001594.D
 Acq: 11 Feb 2020 11:37

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0211SBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.2	82.9	124.3
192	19.0	14.6	22.0

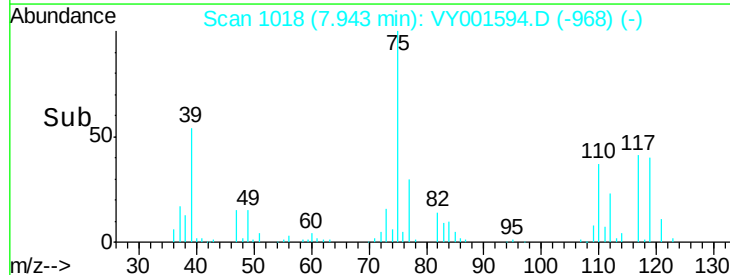
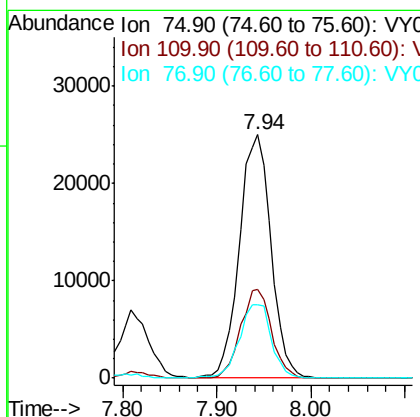
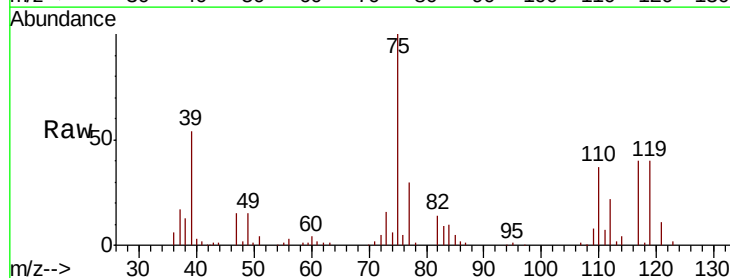
Manual Integrations
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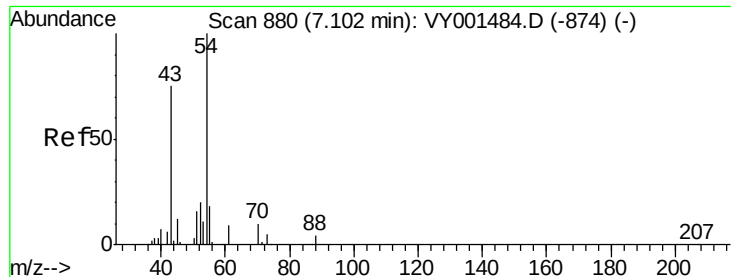
MMDadoda
 2/12/2020 3:12:17 PM



#36
 1,1-Dichloropropene
 Concen: 19.593 ug/l
 RT: 7.94 min Scan# 1018
 Delta R.T. 0.01 min
 Lab File: VY001594.D
 Acq: 11 Feb 2020 11:37

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.5	18.2	54.6
77	30.6	25.0	37.4





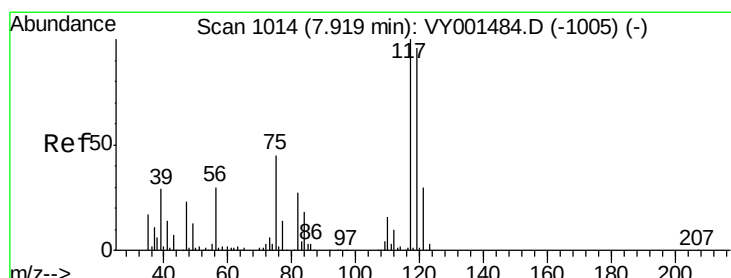
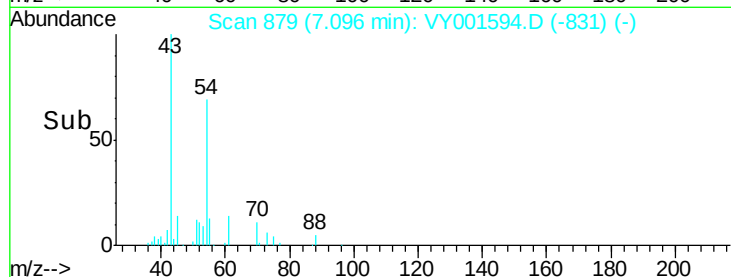
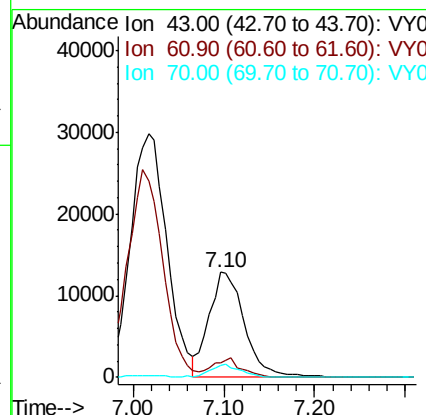
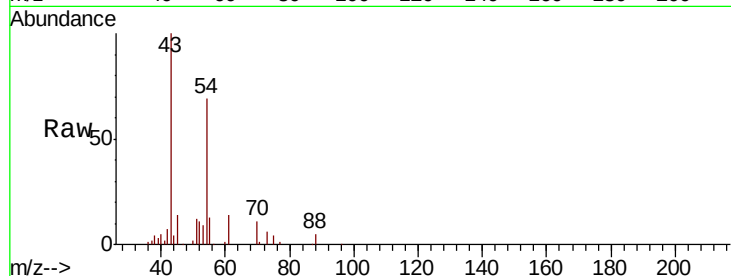
#37
Ethyl Acetate
Concen: 24.161 ug/l
RT: 7.10 min Scan# 879
Delta R.T. -0.01 min
Lab File: VY001594.D
Acq: 11 Feb 2020 11:37

Instrument :
MSVOA_Y
ClientSampleId :
VY0211SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.7	12.0	18.0
70	10.5	10.2	15.4

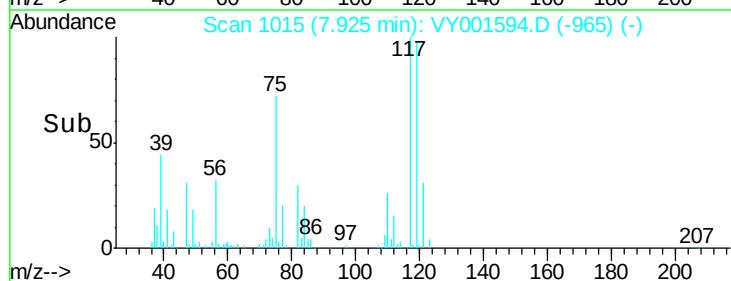
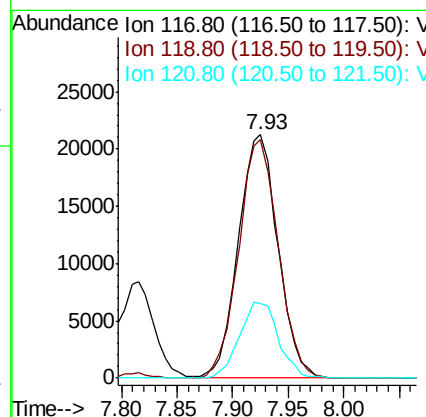
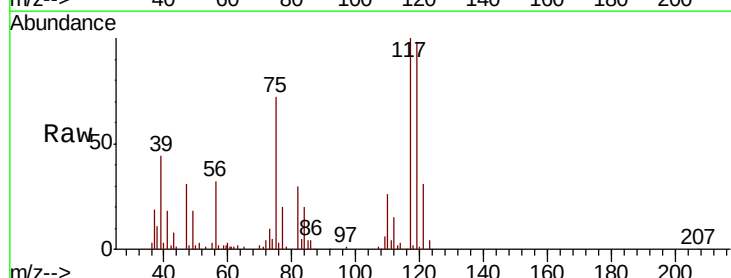
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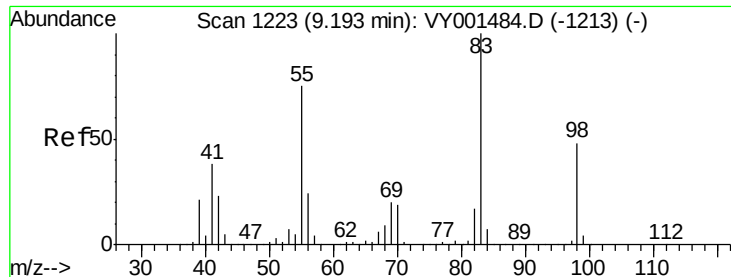
MMDadoda
2/12/2020 3:12:17 PM



#38
Carbon Tetrachloride
Concen: 18.015 ug/l
RT: 7.93 min Scan# 1015
Delta R.T. 0.01 min
Lab File: VY001594.D
Acq: 11 Feb 2020 11:37

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.8	76.4	114.6
121	30.8	24.2	36.4





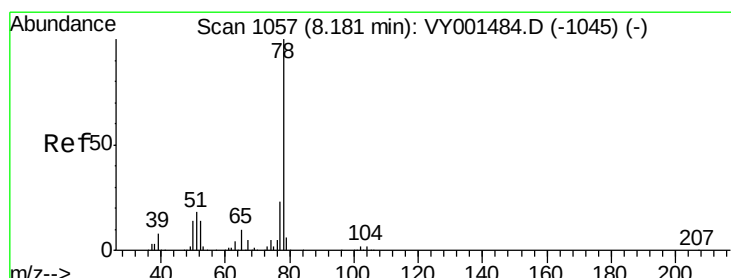
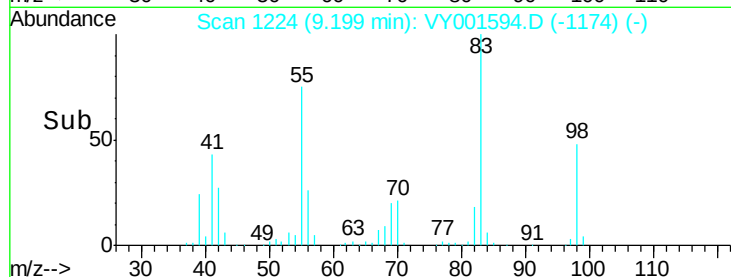
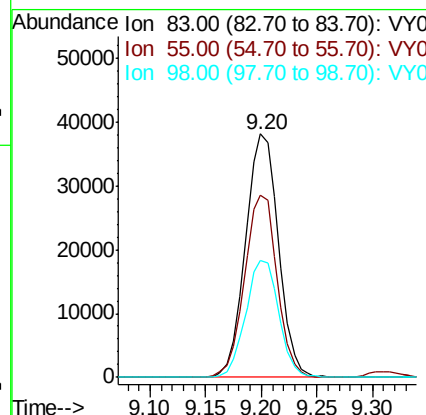
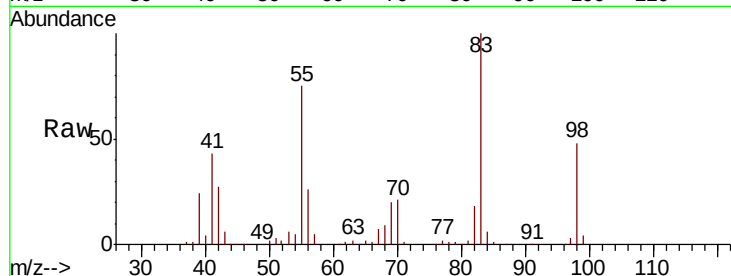
#39
Methylvlcyclohexane
Concen: 19.805 ug/l
RT: 9.20 min Scan# 1224
Delta R.T. 0.01 min
Lab File: VY001594.D
Acq: 11 Feb 2020 11:37

Instrument :
MSVOA_Y
ClientSampleId :
VY0211SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.6	59.8	89.6
98	48.2	38.6	57.8

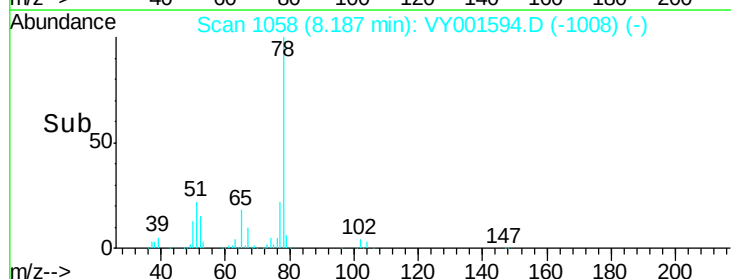
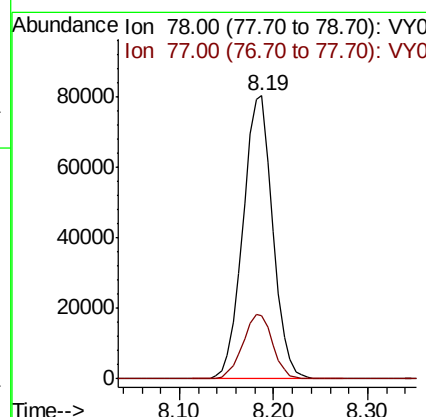
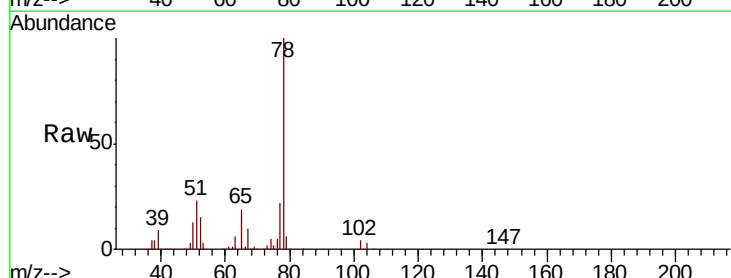
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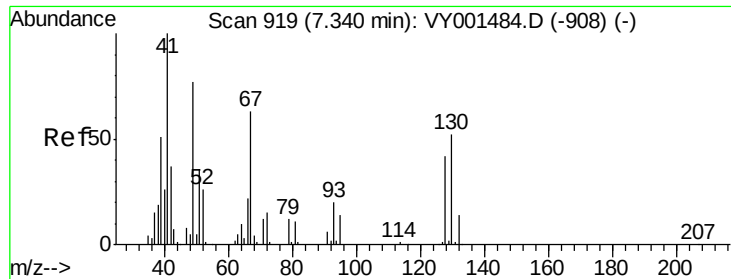
MMDadoda
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#40
Benzene
Concen: 20.643 ug/l
RT: 8.19 min Scan# 1058
Delta R.T. 0.01 min
Lab File: VY001594.D
Acq: 11 Feb 2020 11:37

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.3	18.5	27.7





#41

Methacrylonitrile

Concen: 25.953 ug/l m

RT: 7.35 min Scan# 920

Delta R.T. 0.01 min

Lab File: VY001594.D

Acq: 11 Feb 2020 11:37

Instrument :

MSVOA_Y

ClientSampleId :

VY0211SBS01

Tot Ion: 41 Resp: 17509

Ion Ratio Lower Upper

41 100

39 0.0 116.8 175.2#

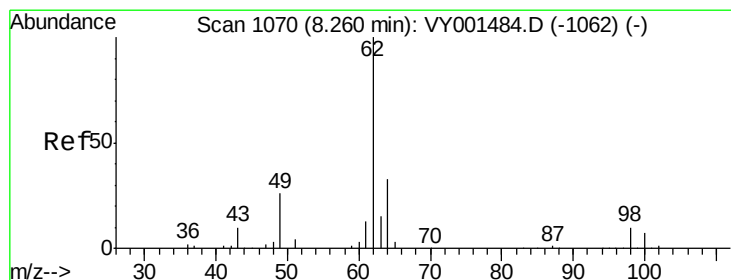
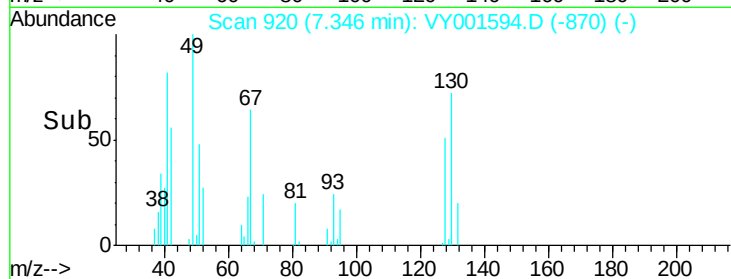
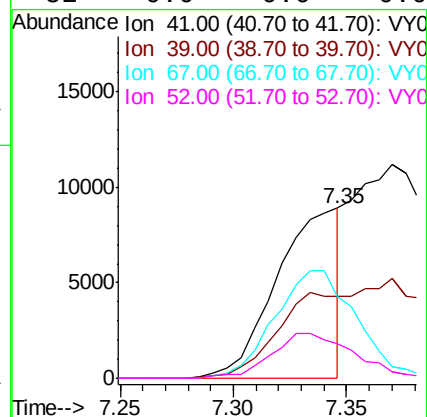
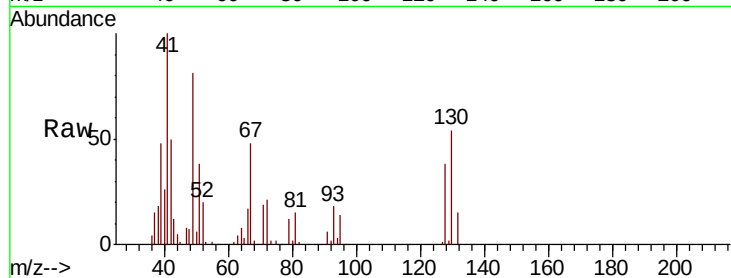
67 0.0 0.0 0.0

52 0.0 0.0 0.0

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 19.859 ug/l

RT: 8.26 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VY001594.D

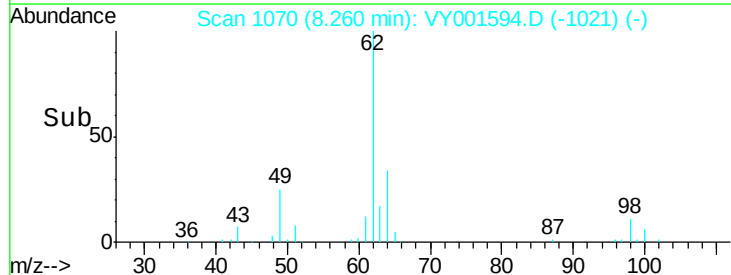
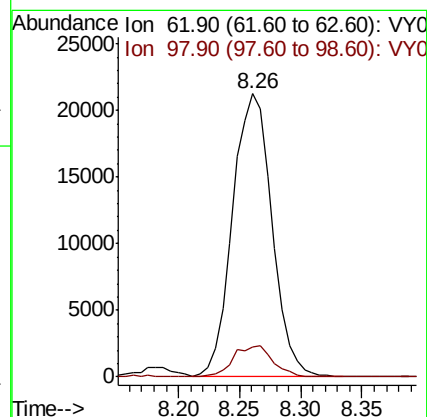
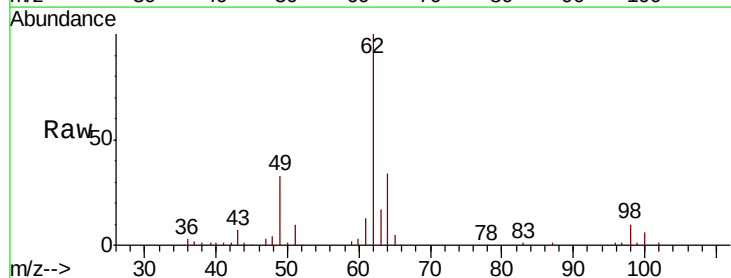
Acq: 11 Feb 2020 11:37

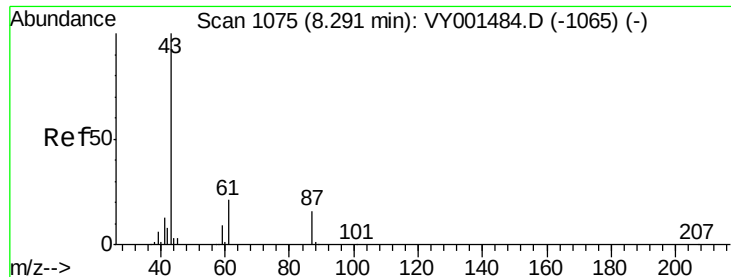
Tgt Ion: 62 Resp: 47453

Ion Ratio Lower Upper

62 100

98 10.9 0.0 21.0





#43

Isopropyl Acetate

Concen: 23.391 ug/l

RT: 8.29 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VY001594.D

Acq: 11 Feb 2020 11:37

Instrument :

MSVOA_Y

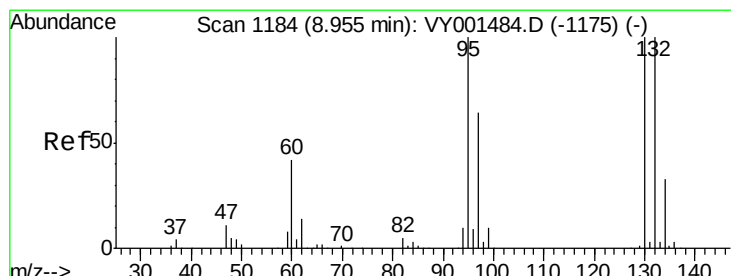
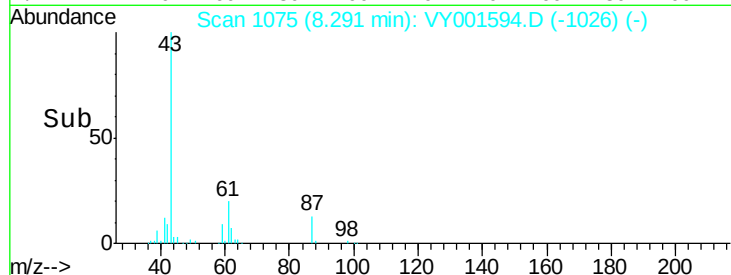
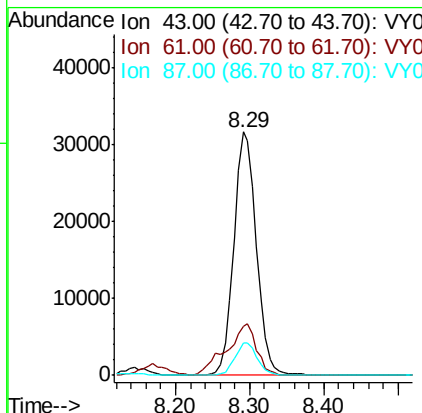
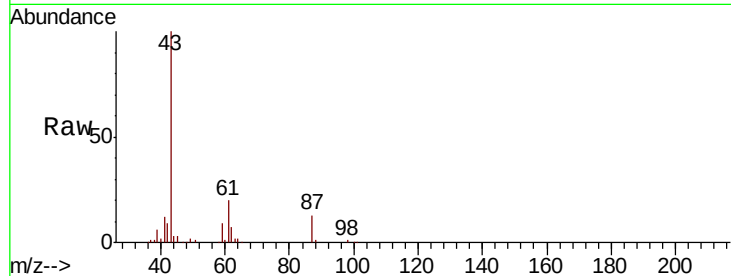
ClientSampleId :

VY0211SBS01

Tot Ion:	43	Resp:	67416
Ion	Ratio	Lower	Upper
43	100		
61	28.1	25.1	37.7
87	13.1	12.6	19.0

Manual Integrations
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#44

Trichloroethene

Concen: 18.911 ug/l

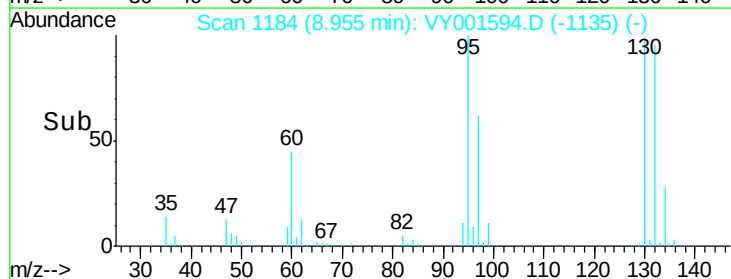
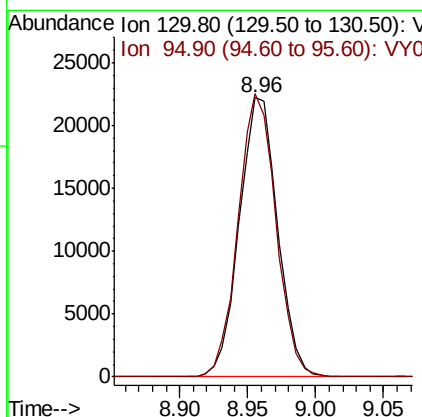
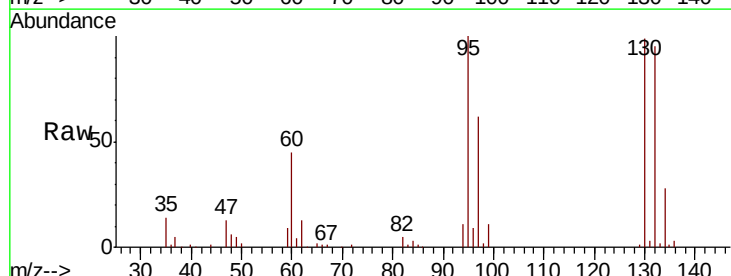
RT: 8.96 min Scan# 1184

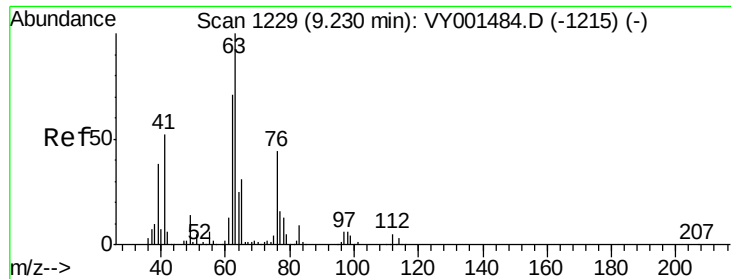
Delta R.T. 0.00 min

Lab File: VY001594.D

Acq: 11 Feb 2020 11:37

Tgt Ion:	130	Resp:	43718
Ion	Ratio	Lower	Upper
130	100		
95	101.3	0.0	199.2





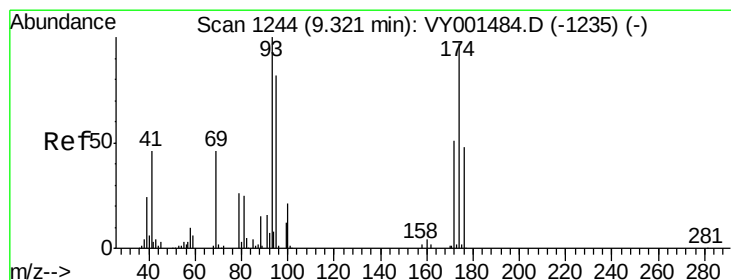
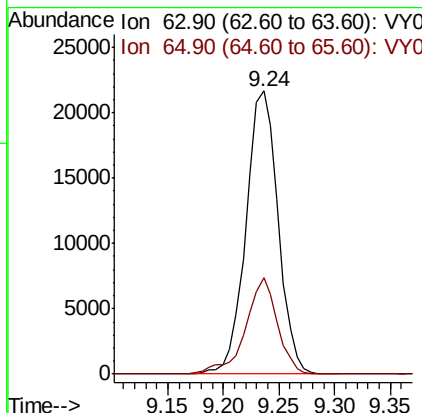
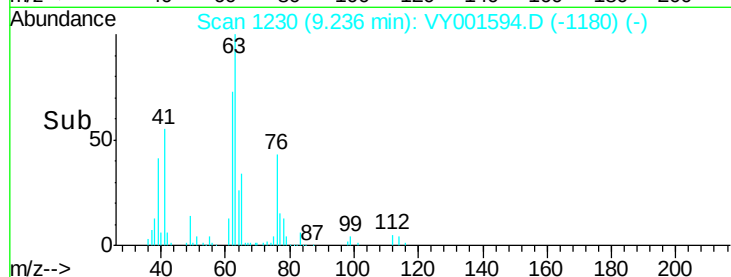
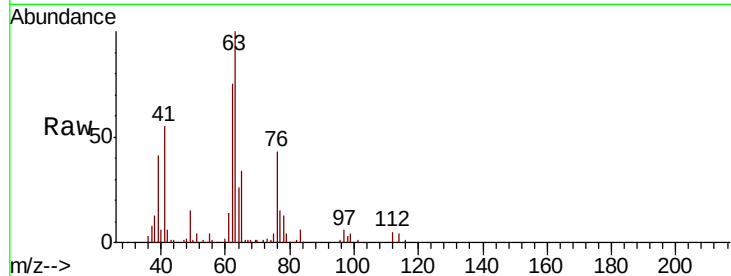
#45
 1,2-Dichloropropane
 Concen: 21.017 ug/l
 RT: 9.24 min Scan# 1230
 Delta R.T. 0.01 min
 Lab File: VY001594.D
 Acq: 11 Feb 2020 11:37

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0211SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	33.9	25.0	37.4

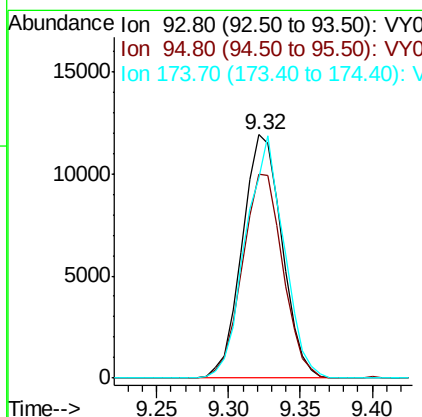
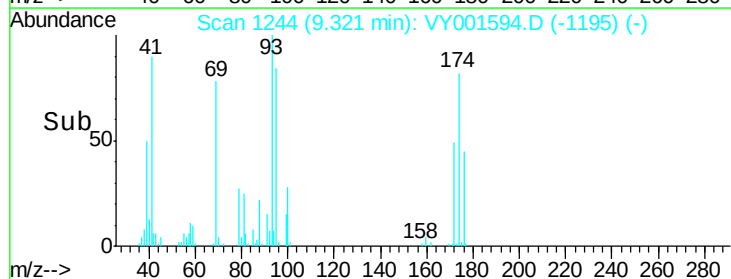
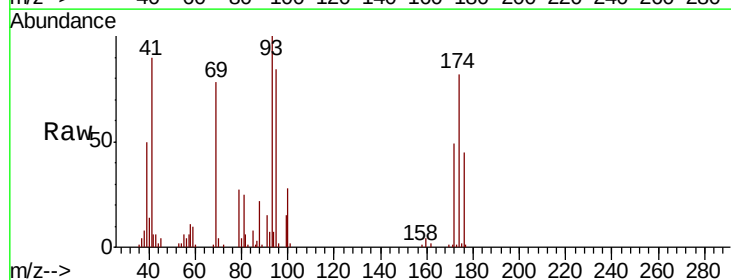
Manual Integrations
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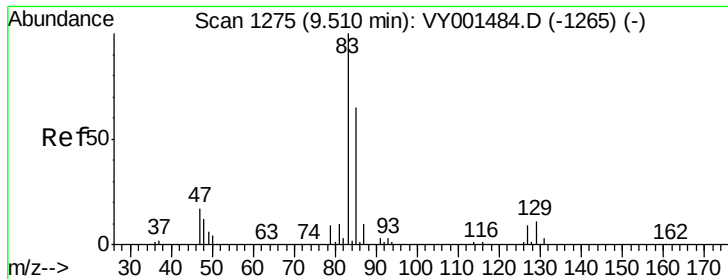
MMDadoda
 2/12/2020 3:12:17 PM



#46
 Dibromomethane
 Concen: 19.606 ug/l
 RT: 9.32 min Scan# 1244
 Delta R.T. 0.00 min
 Lab File: VY001594.D
 Acq: 11 Feb 2020 11:37

Tgt Ion	Ratio	Lower	Upper
93	100		
95	85.1	66.6	99.8
174	95.4	75.4	113.2





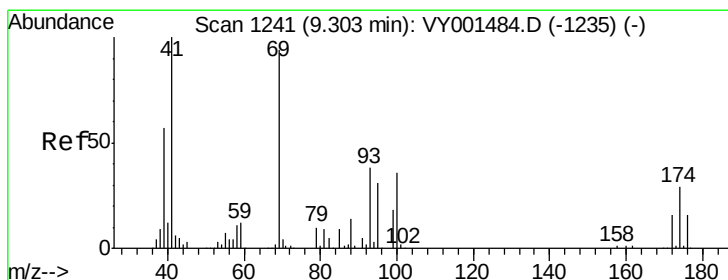
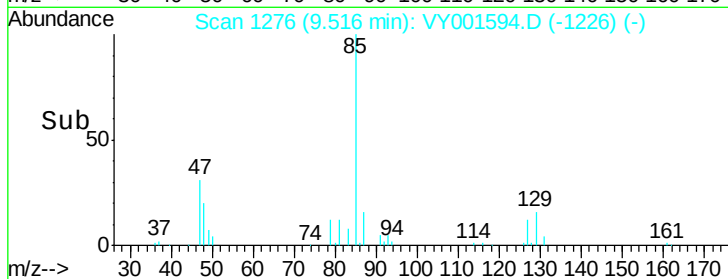
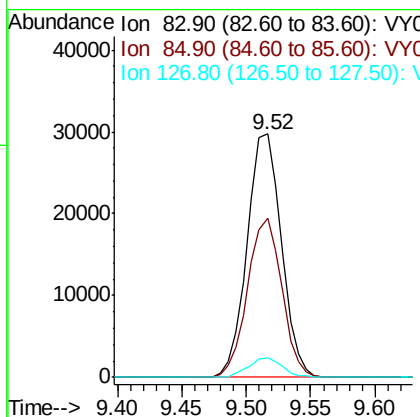
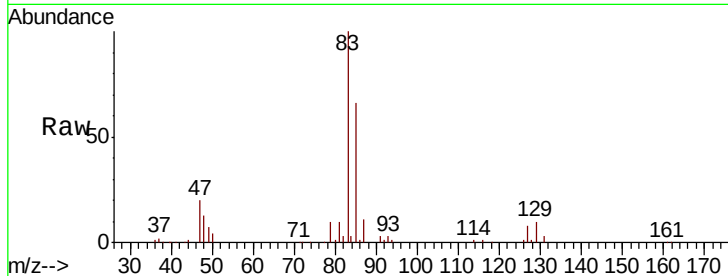
#47
Bromodichloromethane
Concen: 19.338 ug/l
RT: 9.52 min Scan# 1276
Delta R.T. 0.01 min
Lab File: VY001594.D
Acq: 11 Feb 2020 11:37

Instrument :
MSVOA_Y
ClientSampleId :
VY0211SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	54795		
85	65.5		51.9	77.9
127	7.9		6.9	10.3

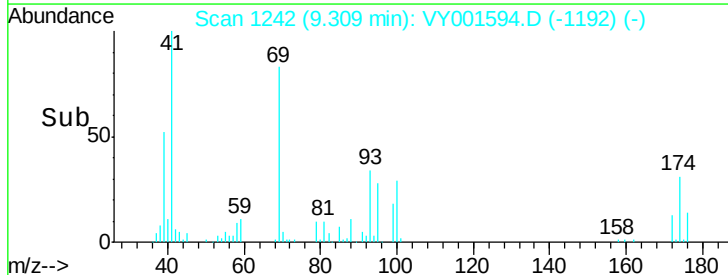
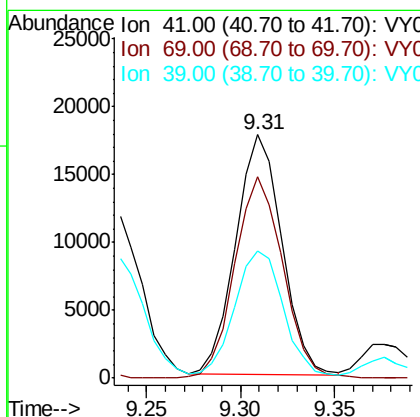
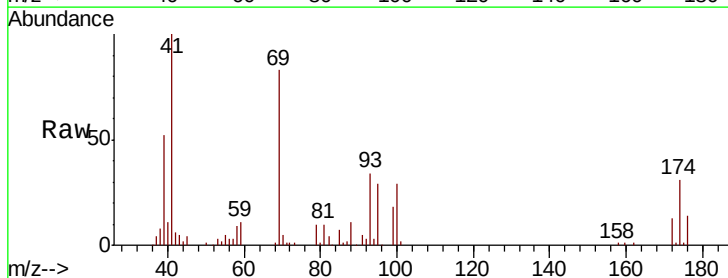
Manual Integrations
APPROVED

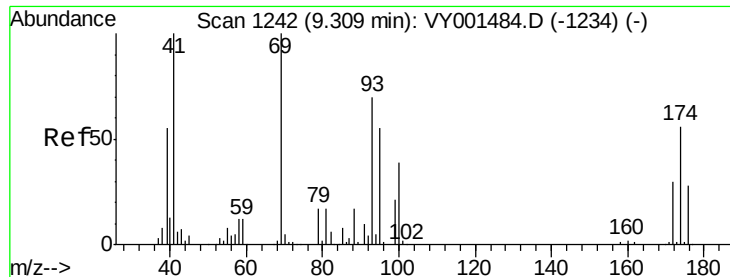
MMDadoda
2/12/2020 3:12:17 PM



#48
Methyl methacrylate
Concen: 22.994 ug/l
RT: 9.31 min Scan# 1242
Delta R.T. 0.01 min
Lab File: VY001594.D
Acq: 11 Feb 2020 11:37

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	30078		
69	87.2		76.6	114.8
39	54.3		45.4	68.0





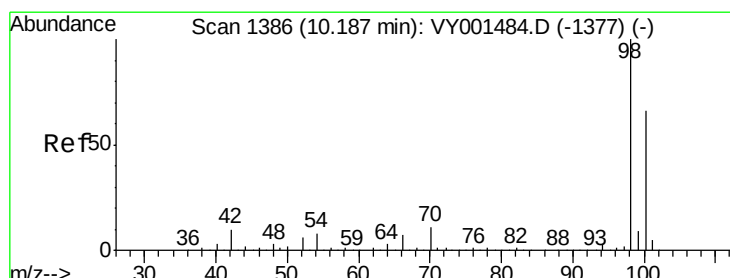
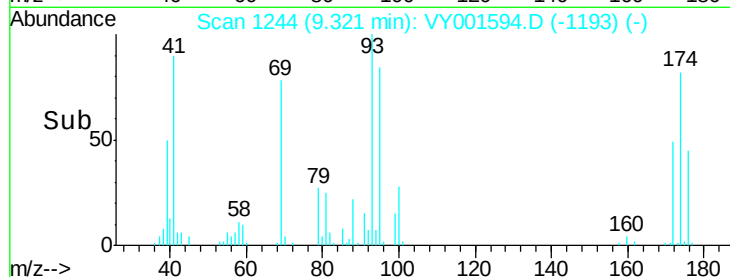
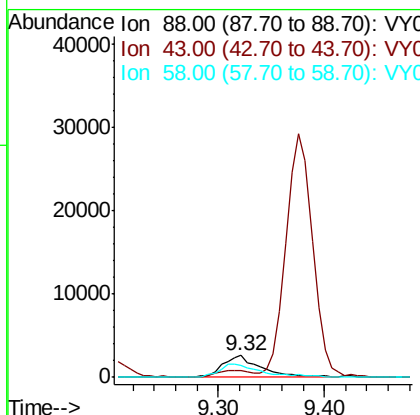
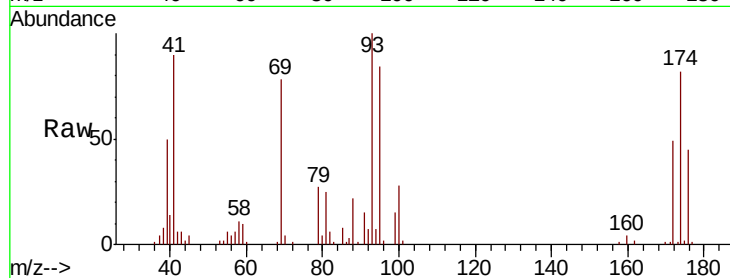
#49
1,4-Dioxane
Concen: 422.696 ug/l
RT: 9.32 min Scan# 1244
Delta R.T. 0.01 min
Lab File: VY001594.D
Acq: 11 Feb 2020 11:37

Instrument :
MSVOA_Y
ClientSampleId :
VY0211SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.1	24.8	37.2
58	69.4	59.3	88.9

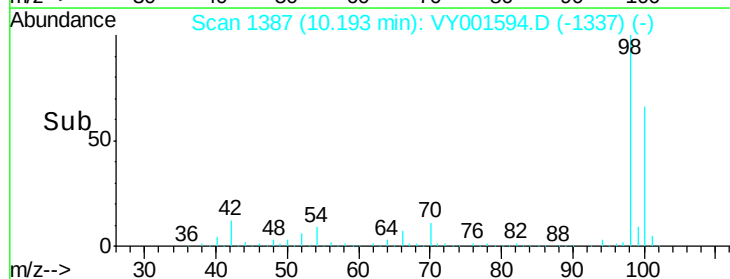
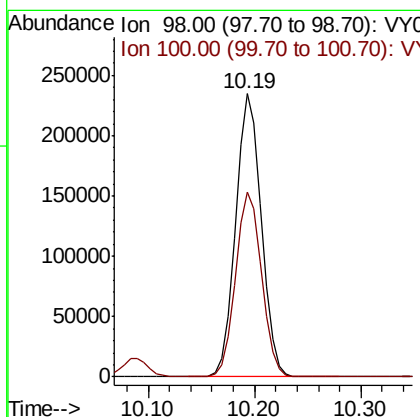
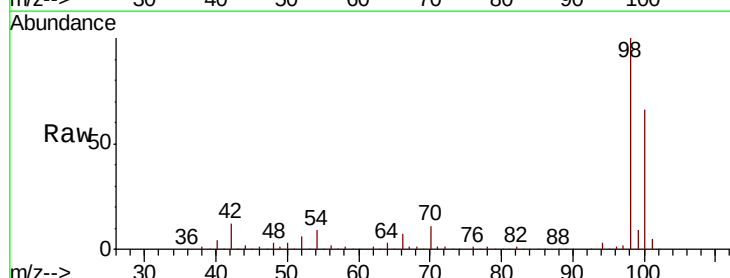
Manual Integrations
APPROVED

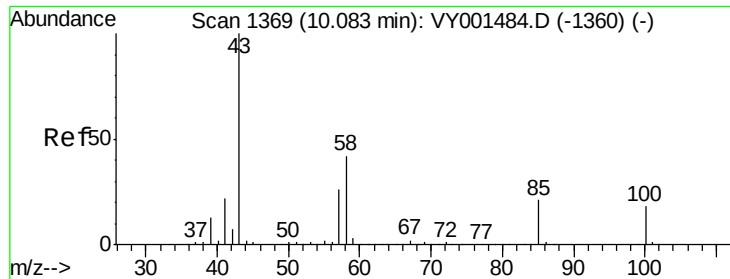
MMDadoda
2/12/2020 3:12:17 PM



#50
Toluene-d8
Concen: 55.402 ug/l
RT: 10.19 min Scan# 1387
Delta R.T. 0.01 min
Lab File: VY001594.D
Acq: 11 Feb 2020 11:37

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.1	53.0	79.6





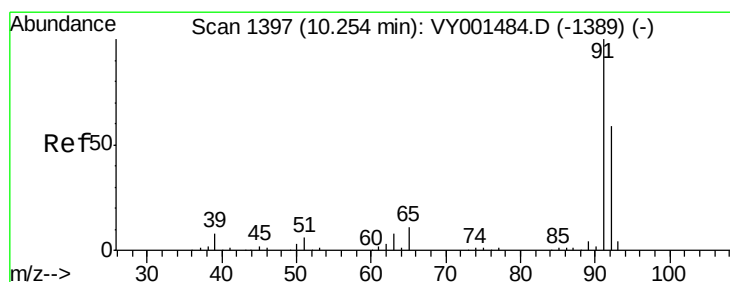
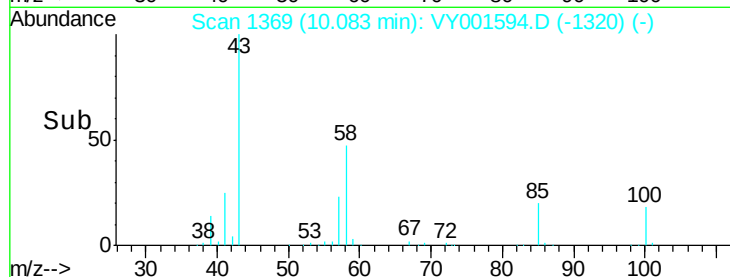
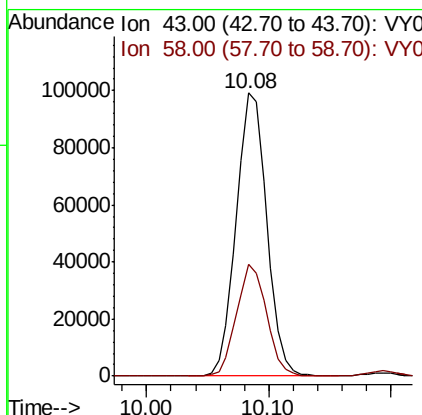
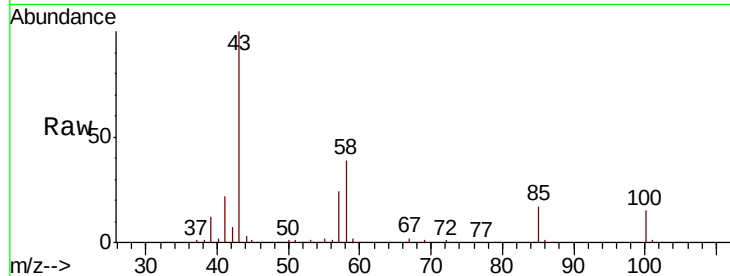
#51
4-Methyl-2-Pentanone
Concen: 121.079 ug/l
RT: 10.08 min Scan# 1369
Delta R.T. 0.00 min
Lab File: VY001594.D
Acq: 11 Feb 2020 11:37

Instrument :
MSVOA_Y
ClientSampleId :
VY0211SBS01

Tot Ion: 43 Resp: 171853
Ion Ratio Lower Upper
43 100
58 38.7 33.9 50.9

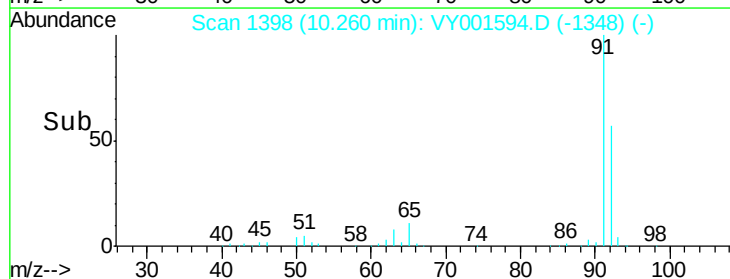
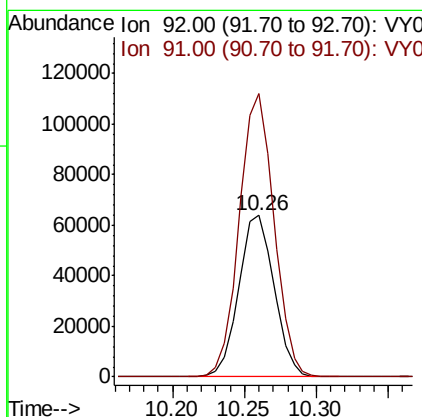
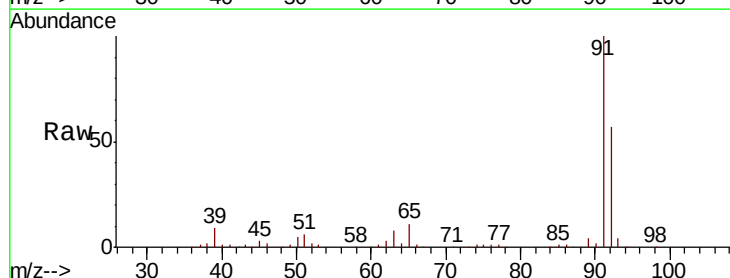
Manual Integrations
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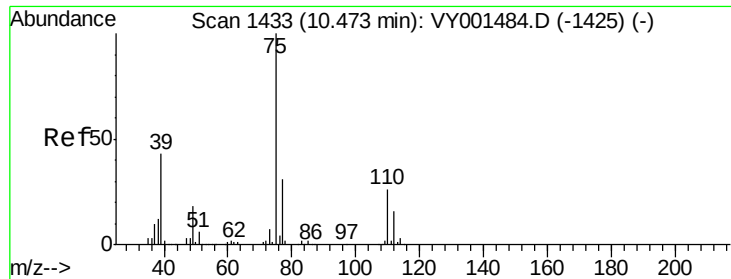
MMDadoda
2/12/2020 3:12:17 PM



#52
Toluene
Concen: 20.016 ug/l
RT: 10.26 min Scan# 1398
Delta R.T. 0.01 min
Lab File: VY001594.D
Acq: 11 Feb 2020 11:37

Tgt Ion: 92 Resp: 108927
Ion Ratio Lower Upper
92 100
91 172.3 136.6 204.8





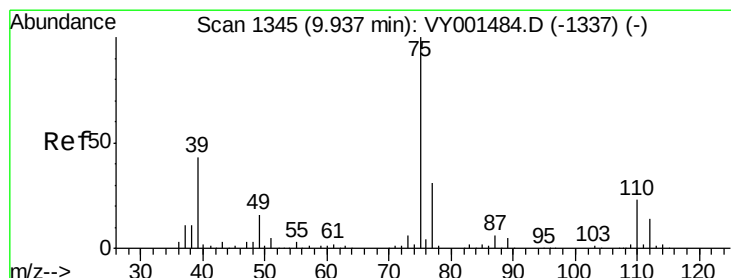
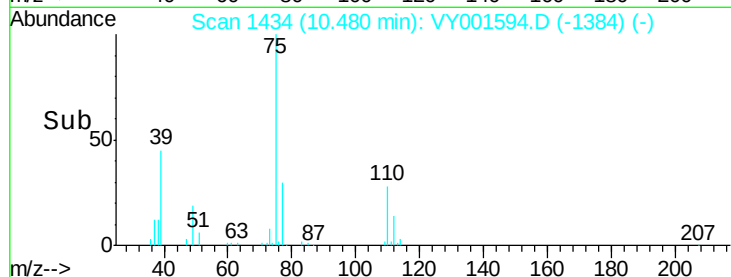
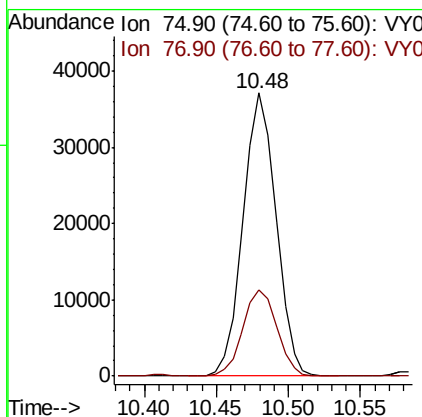
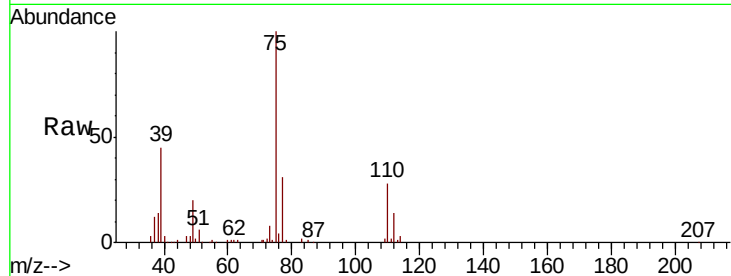
#53
t-1,3-Dichloropropene
Concen: 19.105 ug/l
RT: 10.48 min Scan# 1434
Delta R.T. 0.01 min
Lab File: VY001594.D
Acq: 11 Feb 2020 11:37

Instrument :
MSVOA_Y
ClientSampleId :
VY0211SBS01

Tot Ion: 75 Resp: 58962
Ion Ratio Lower Upper
75 100
77 30.6 24.9 37.3

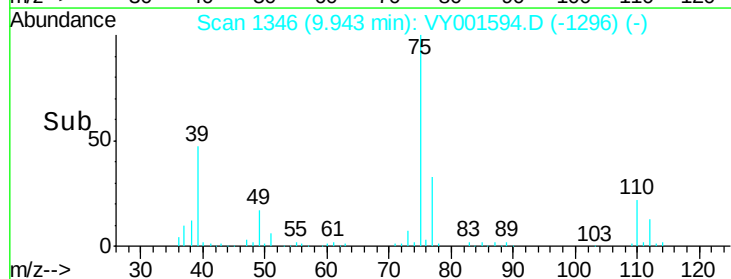
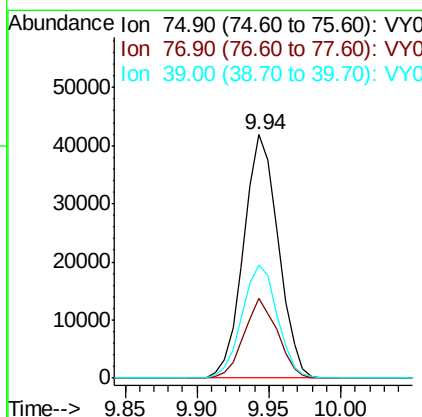
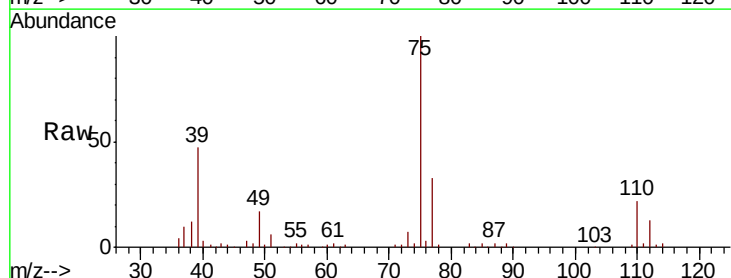
Manual Integrations
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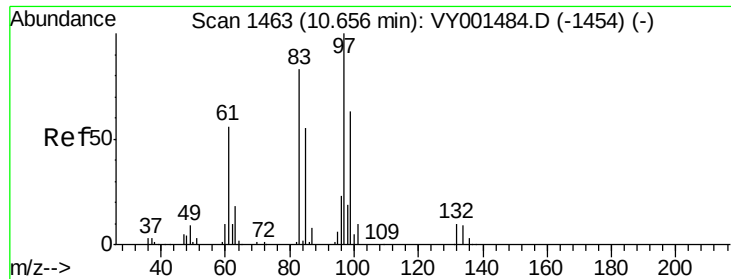
MMDadoda
2/12/2020 3:12:17 PM



#54
cis-1,3-Dichloropropene
Concen: 19.733 ug/l
RT: 9.94 min Scan# 1346
Delta R.T. 0.01 min
Lab File: VY001594.D
Acq: 11 Feb 2020 11:37

Tgt Ion: 75 Resp: 69919
Ion Ratio Lower Upper
75 100
77 32.6 24.7 37.1
39 46.7 34.0 51.0





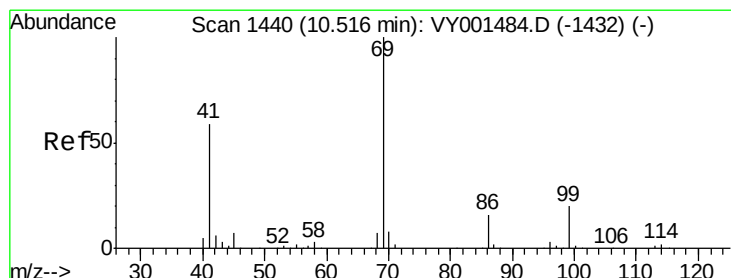
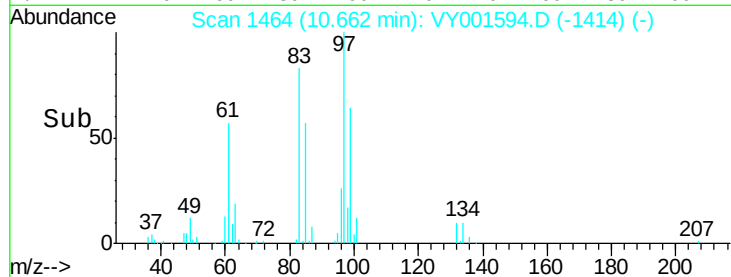
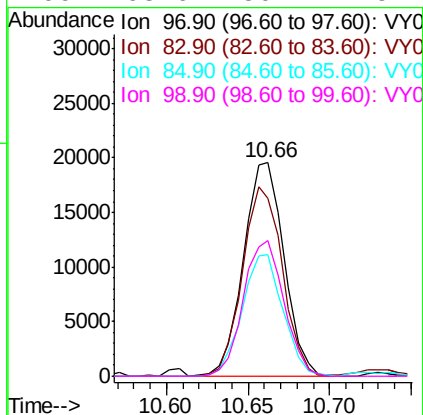
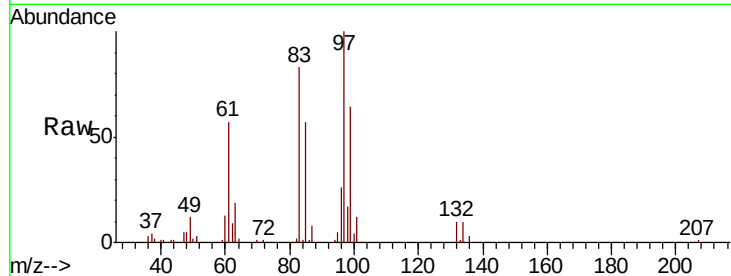
#55
 1,1,2-Trichloroethane
 Concen: 20.283 ug/l
 RT: 10.66 min Scan# 1464
 Delta R.T. 0.01 min
 Lab File: VY001594.D
 Acq: 11 Feb 2020 11:37

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0211SBS01

Tot Ion:	97	Resp:	33843
Ion	Ratio	Lower	Upper
97	100		
83	83.4	66.2	99.2
85	57.2	43.8	65.6
99	63.6	50.1	75.1

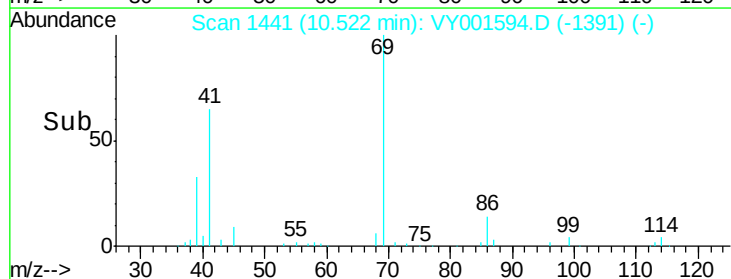
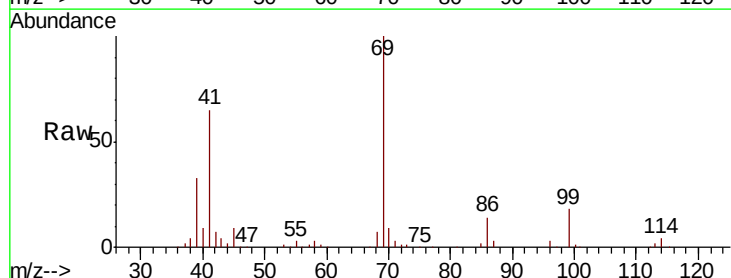
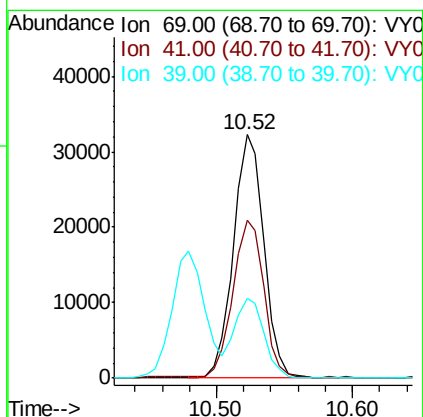
Manual Integrations
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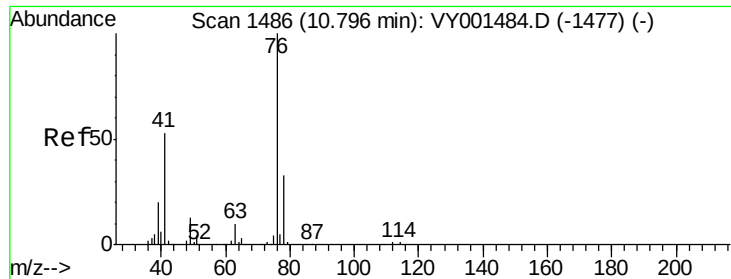
MMDadoda
 2/12/2020 3:12:17 PM



#56
 Ethyl methacrylate
 Concen: 21.161 ug/l
 RT: 10.52 min Scan# 1441
 Delta R.T. 0.01 min
 Lab File: VY001594.D
 Acq: 11 Feb 2020 11:37

Tgt Ion:	69	Resp:	50221
Ion	Ratio	Lower	Upper
69	100		
41	65.2	47.8	71.8
39	32.3	24.4	36.6





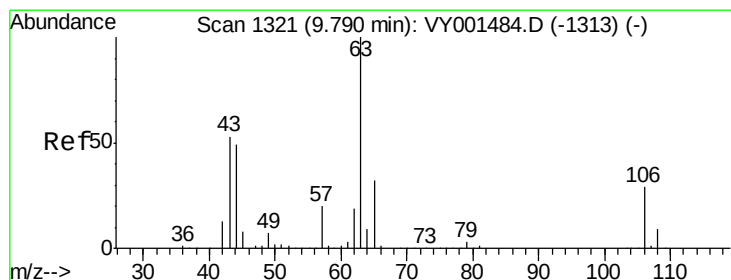
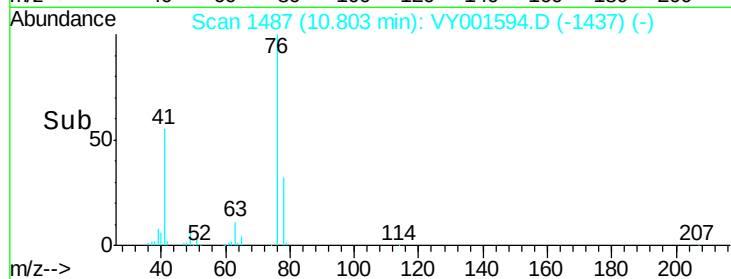
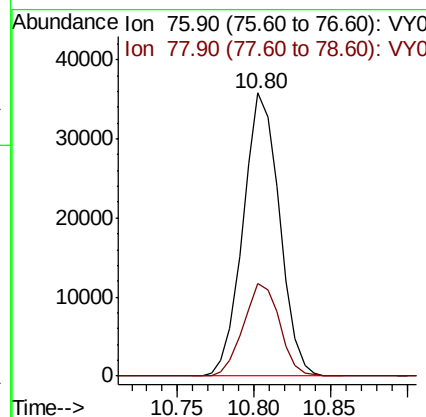
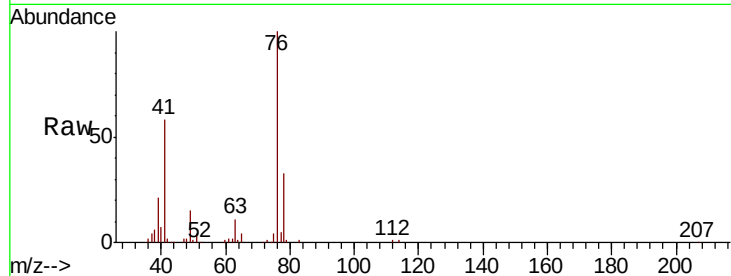
#57
 1,3-Dichloropropane
 Concen: 20.107 ug/l
 RT: 10.80 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VY001594.D
 Acq: 11 Feb 2020 11:37

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0211SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.8	25.7	38.5

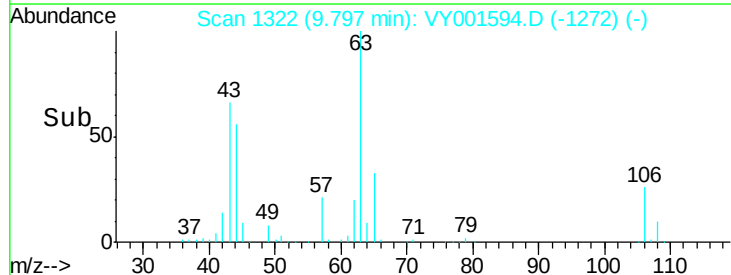
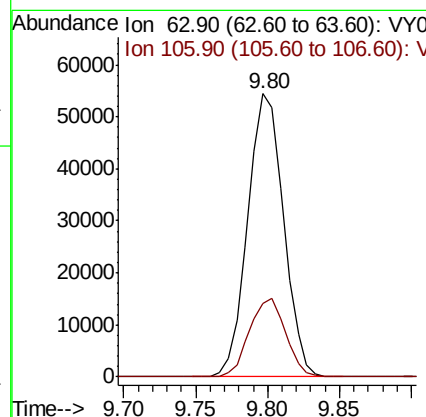
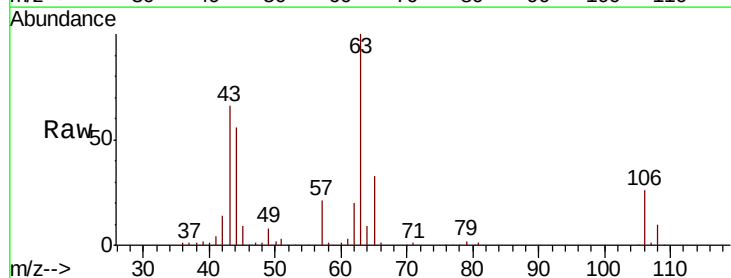
Manual Integrations
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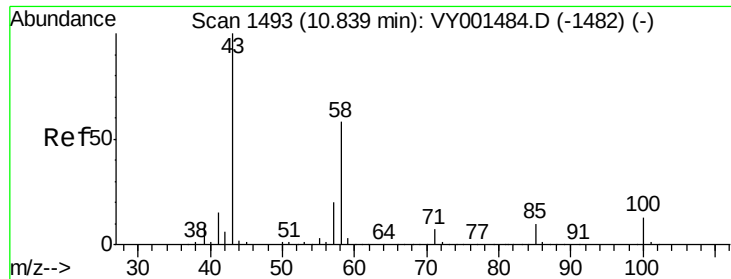
MMDadoda
 2/12/2020 3:12:17 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 107.312 ug/l
 RT: 9.80 min Scan# 1322
 Delta R.T. 0.01 min
 Lab File: VY001594.D
 Acq: 11 Feb 2020 11:37

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.1	24.0	36.0





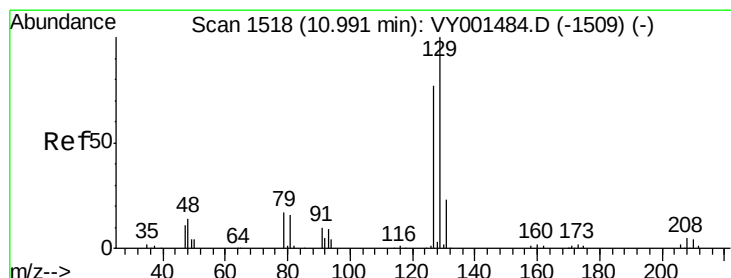
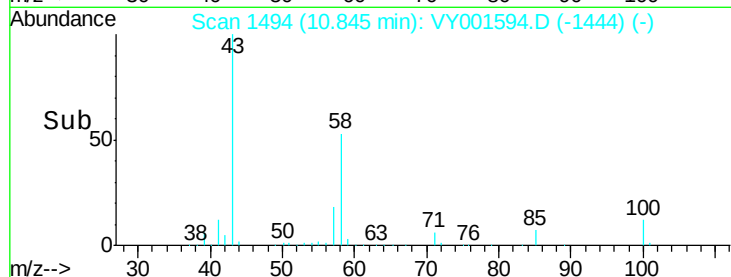
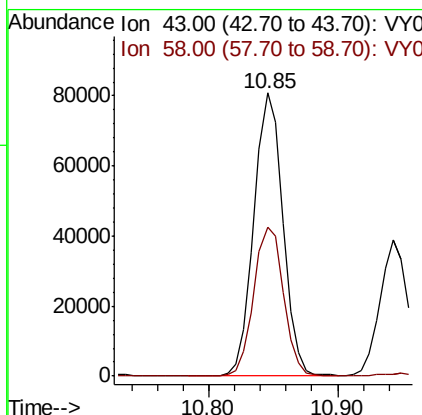
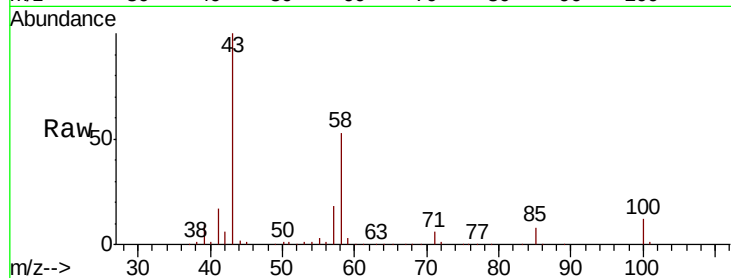
#59
2-Hexanone
Concen: 121.827 ug/l
RT: 10.85 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VY001594.D
Acq: 11 Feb 2020 11:37

Instrument :
MSVOA_Y
ClientSampleId :
VY0211SBS01

Tot Ion: 43 Resp: 125724
Ion Ratio Lower Upper
43 100
58 53.9 29.0 87.0

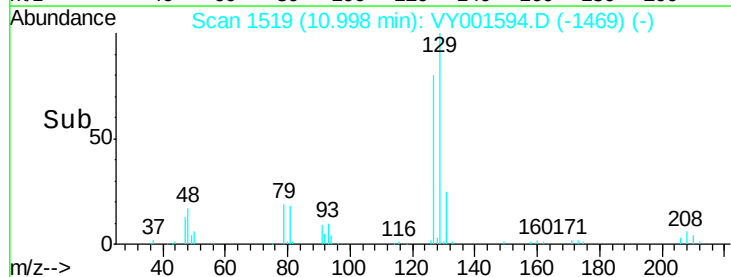
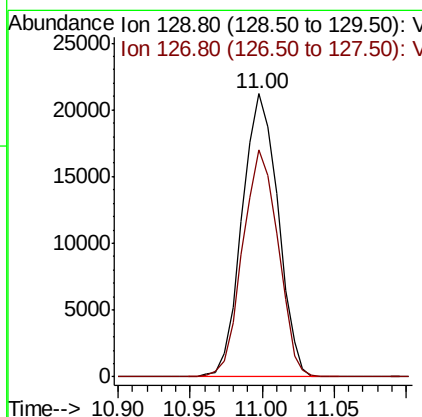
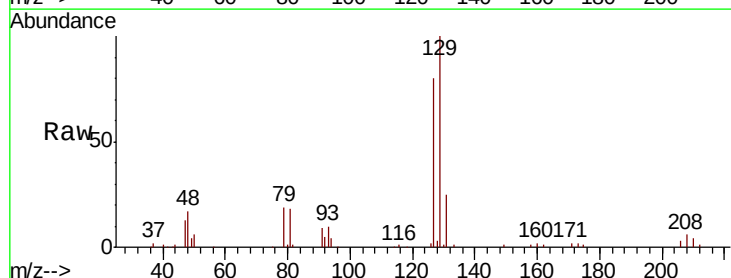
Manual Integrations
APPROVED

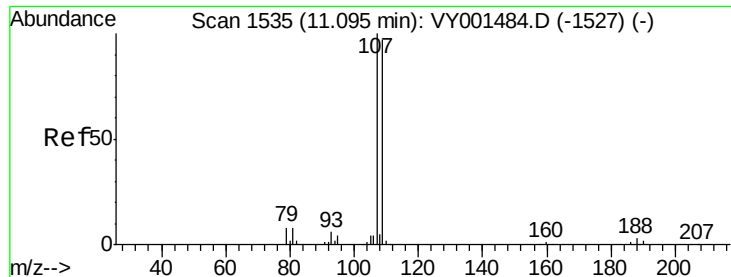
MMDadoda
2/12/2020 3:12:17 PM



#60
Dibromochloromethane
Concen: 18.668 ug/l
RT: 11.00 min Scan# 1519
Delta R.T. 0.01 min
Lab File: VY001594.D
Acq: 11 Feb 2020 11:37

Tgt Ion: 129 Resp: 36716
Ion Ratio Lower Upper
129 100
127 79.0 38.9 116.6





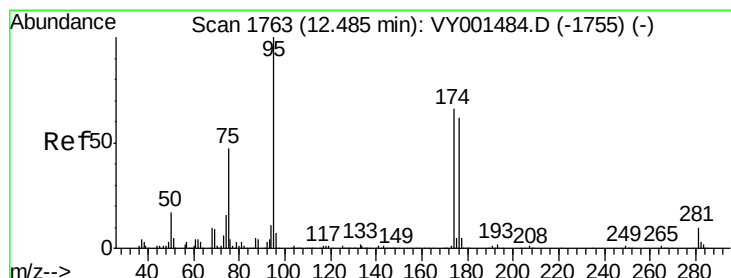
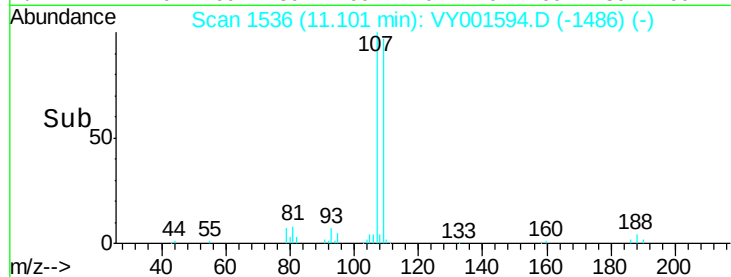
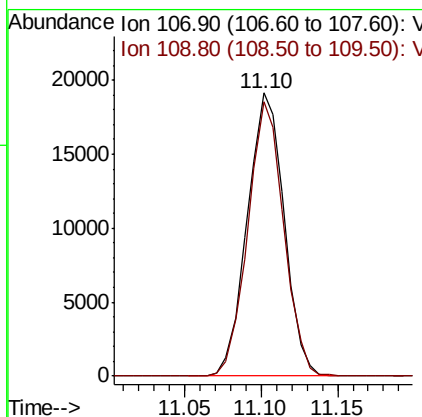
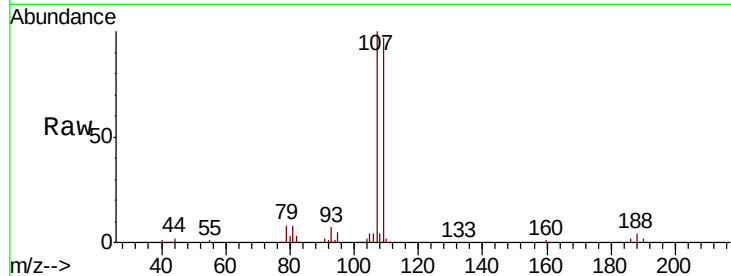
#61
 1,2-Dibromoethane
 Concen: 19.526 ug/l
 RT: 11.10 min Scan# 1536
 Delta R.T. 0.01 min
 Lab File: VY001594.D
 Acq: 11 Feb 2020 11:37

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0211SBS01

Tot Ion: 107 Resp: 32090
 Ion Ratio Lower Upper
 107 100
 109 94.3 76.2 114.2

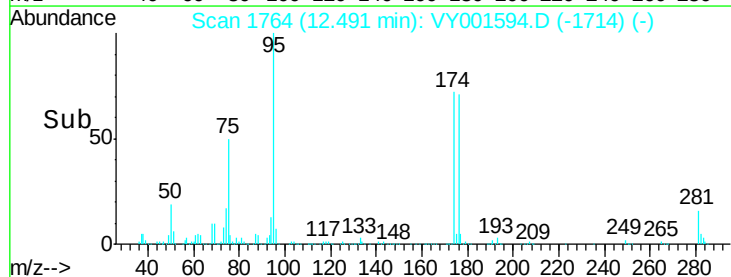
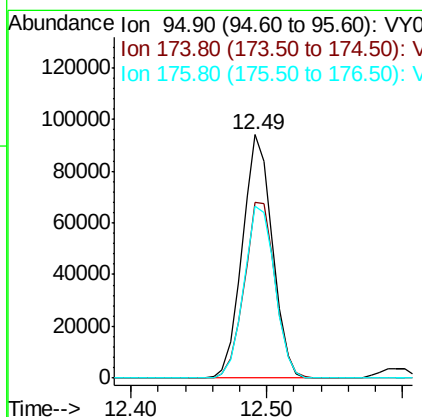
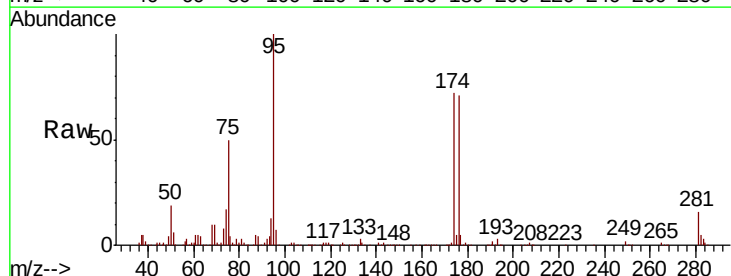
Manual Integrations
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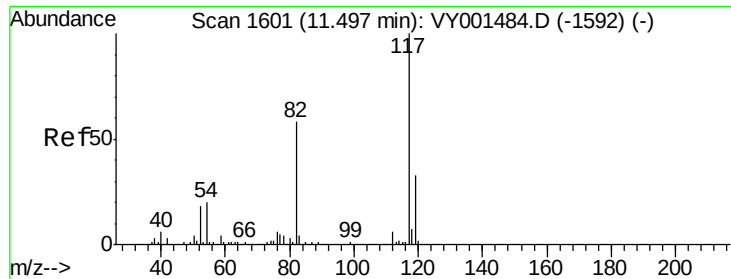
MMDadoda
 2/12/2020 3:12:17 PM



#62
 4-Bromofluorobenzene
 Concen: 51.220 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. 0.01 min
 Lab File: VY001594.D
 Acq: 11 Feb 2020 11:37

Tgt Ion: 95 Resp: 144698
 Ion Ratio Lower Upper
 95 100
 174 74.3 0.0 141.4
 176 73.0 0.0 135.4





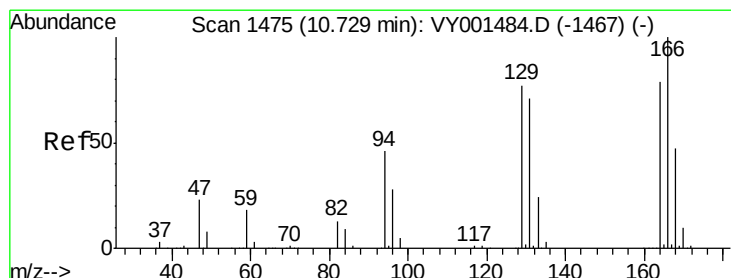
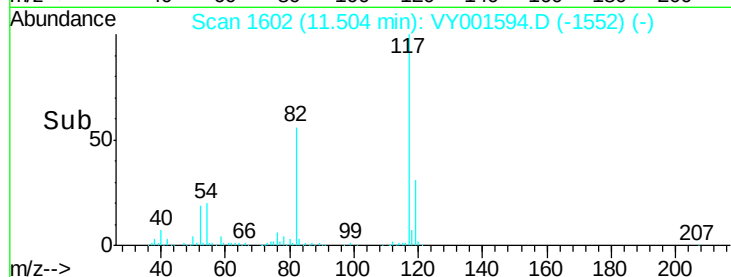
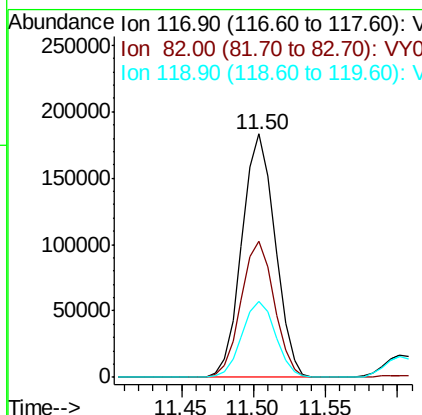
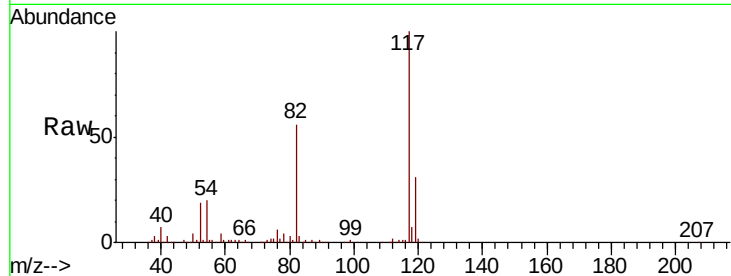
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.01 min
Lab File: VY001594.D
Acq: 11 Feb 2020 11:37

Instrument :
MSVOA_Y
ClientSampleId :
VY0211SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	293544		
82	56.0		46.1	69.1
119	31.2		26.1	39.1

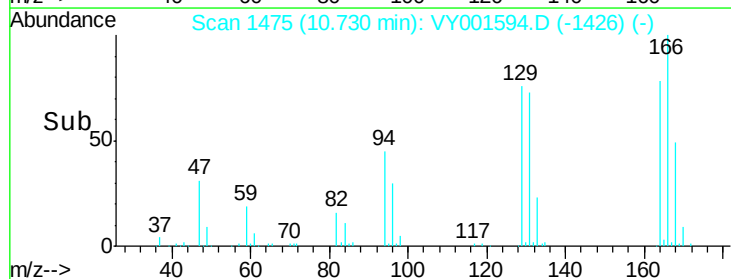
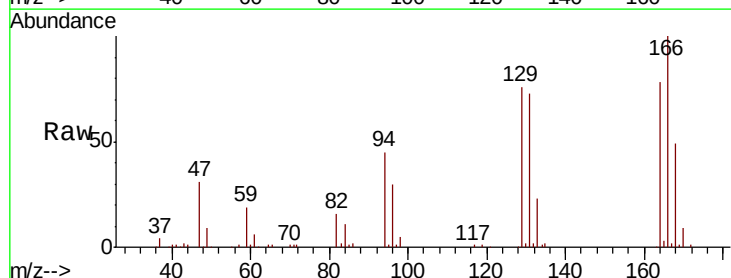
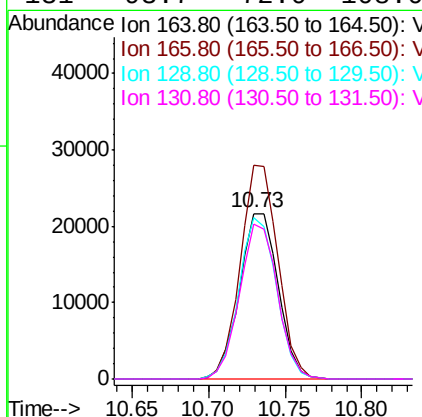
Manual Integrations
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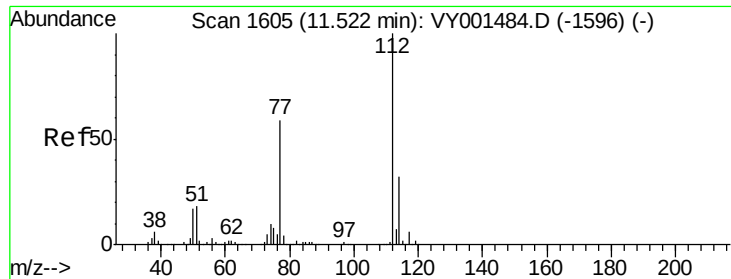
MMDadoda
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#64
Tetrachloroethene
Concen: 19.800 ug/l
RT: 10.73 min Scan# 1475
Delta R.T. 0.00 min
Lab File: VY001594.D
Acq: 11 Feb 2020 11:37

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	38116		
166	128.9		100.8	151.2
129	97.4		77.8	116.6
131	93.7		72.0	108.0





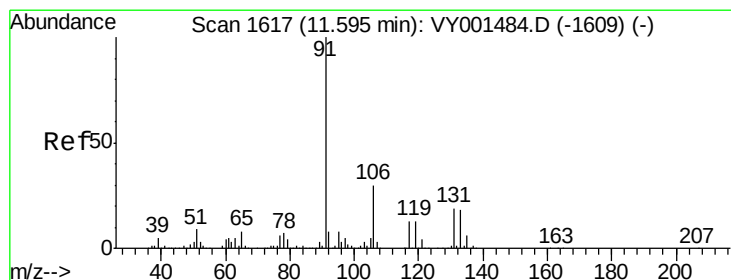
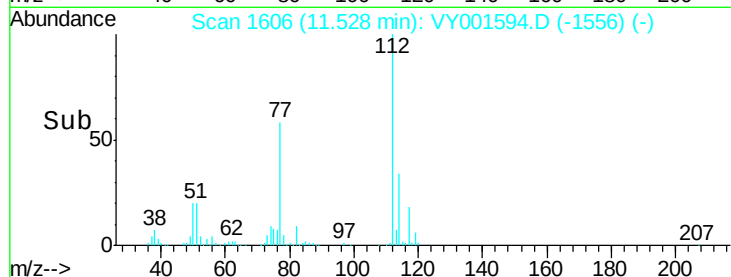
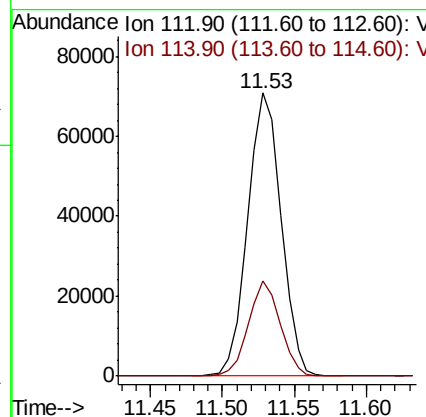
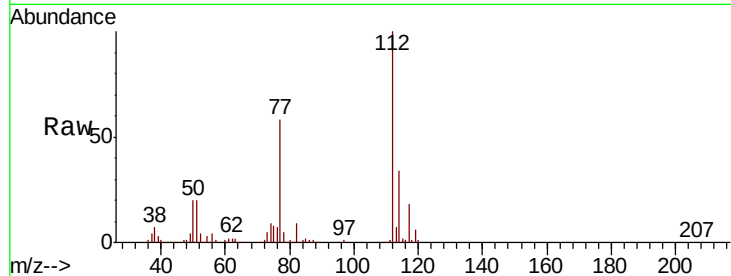
#65
Chlorobenzene
Concen: 19.741 ug/l
RT: 11.53 min Scan# 1606
Delta R.T. 0.01 min
Lab File: VY001594.D
Acq: 11 Feb 2020 11:37

Instrument :
MSVOA_Y
ClientSampleId :
VY0211SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.8	25.4	38.2

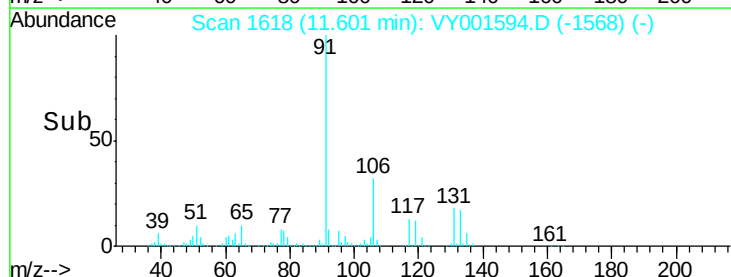
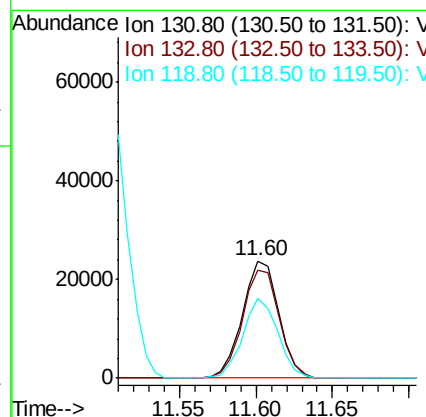
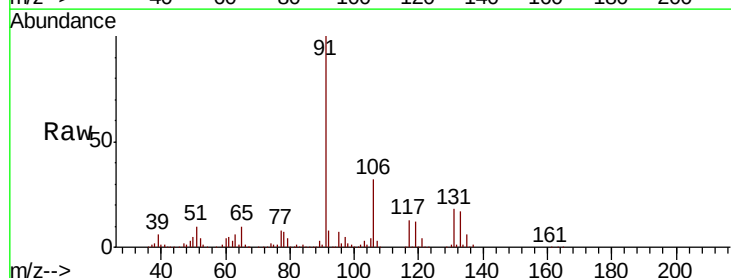
Manual Integrations
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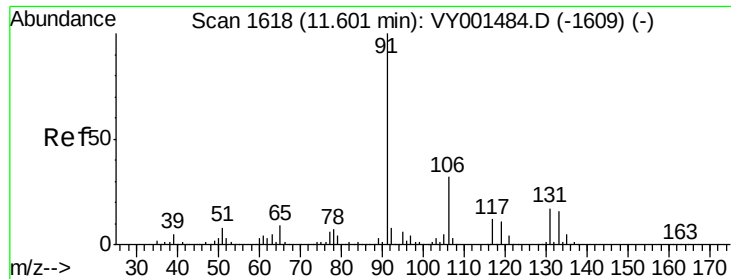
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.467 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. 0.01 min
Lab File: VY001594.D
Acq: 11 Feb 2020 11:37

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.2	47.9	143.8
119	65.4	33.7	101.0





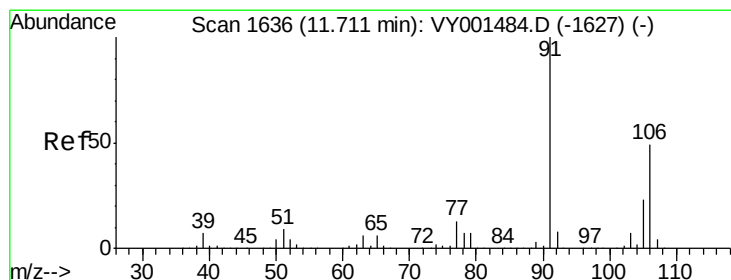
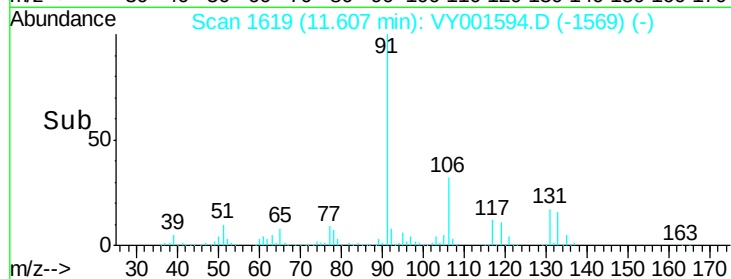
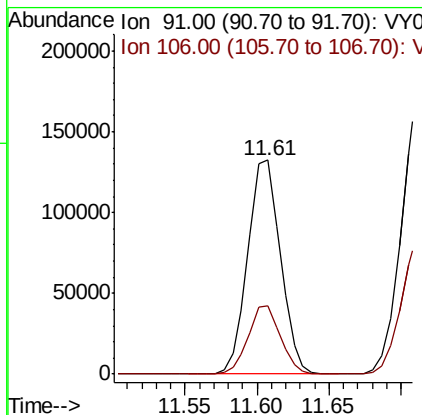
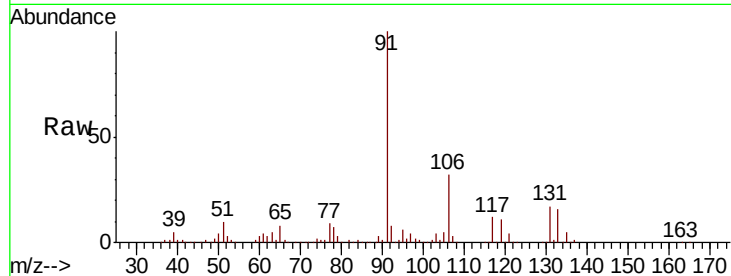
#67
Ethyl Benzene
Concen: 19.530 ug/l
RT: 11.61 min Scan# 1619
Delta R.T. 0.01 min
Lab File: VY001594.D
Acq: 11 Feb 2020 11:37

Instrument :
MSVOA_Y
ClientSampleId :
VY0211SBS01

Tot Ion	91	Resp	208128
Ion Ratio	100	Lower	Upper
106	31.7	25.3	37.9

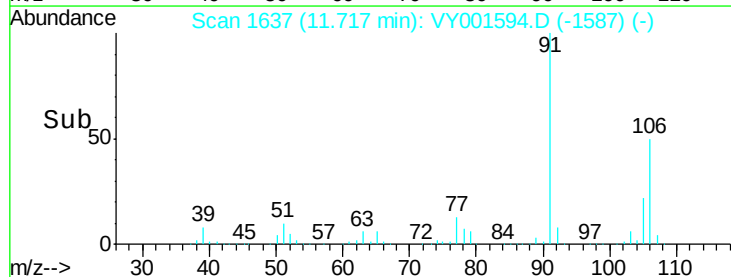
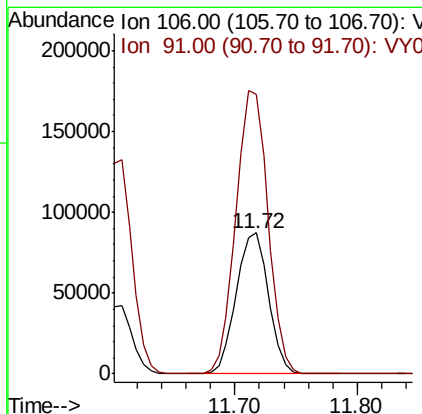
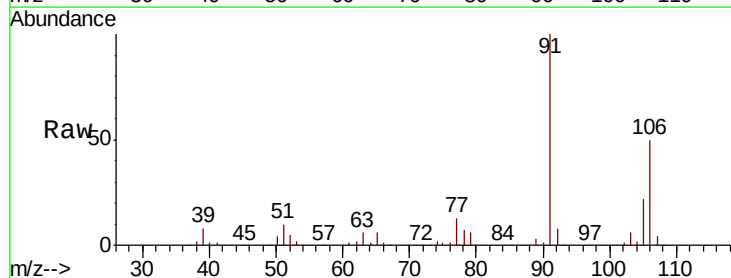
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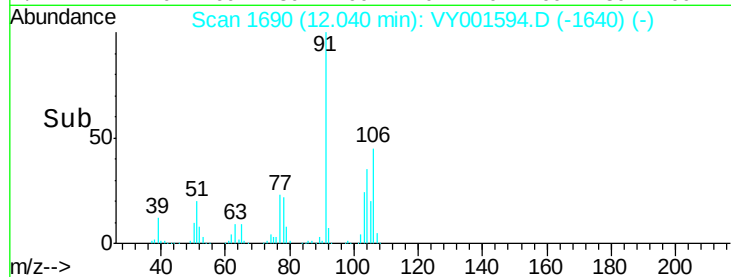
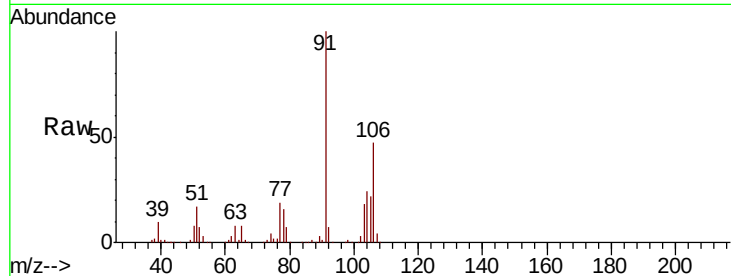
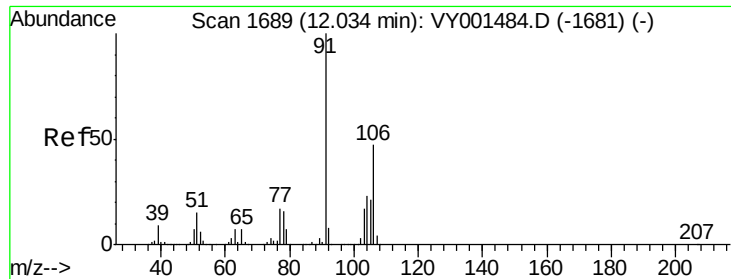
MMDadoda
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#68
m/p-Xylenes
Concen: 39.857 ug/l
RT: 11.72 min Scan# 1637
Delta R.T. 0.01 min
Lab File: VY001594.D
Acq: 11 Feb 2020 11:37

Tgt Ion	106	Resp	159453
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
91	200.2	163.6	245.4





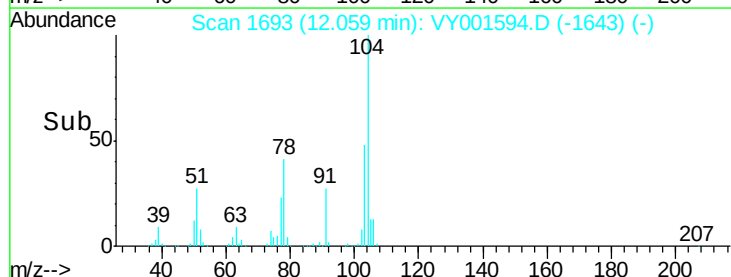
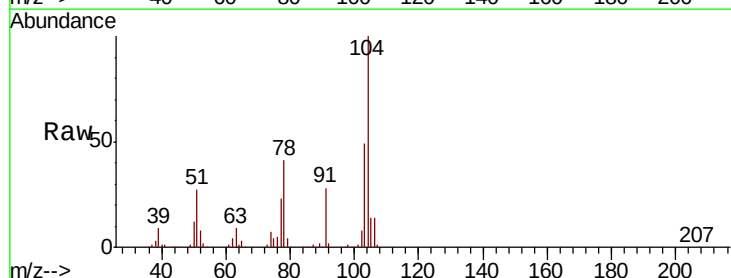
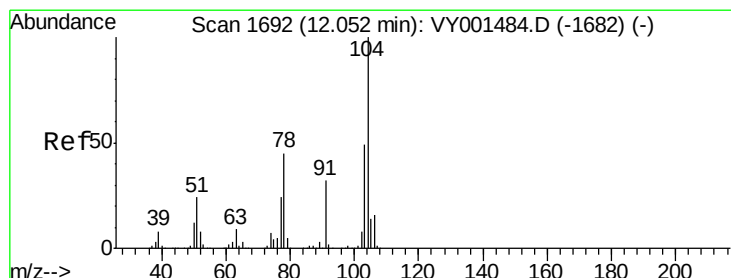
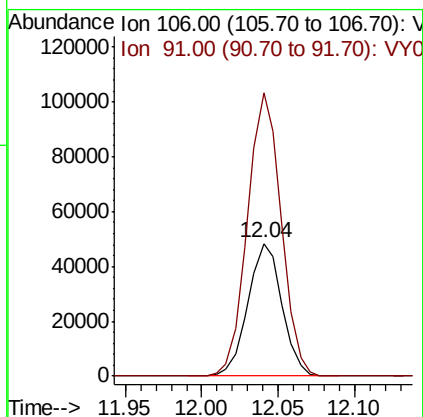
#69
o-Xylene
Concen: 19.755 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VY001594.D
Acq: 11 Feb 2020 11:37

Tot Ion:106 Resp: 74517
Ion Ratio Lower Upper
106 100
91 212.9 106.0 318.0

Instrument :
MSVOA_Y
ClientSampleId :
VY0211SBS01

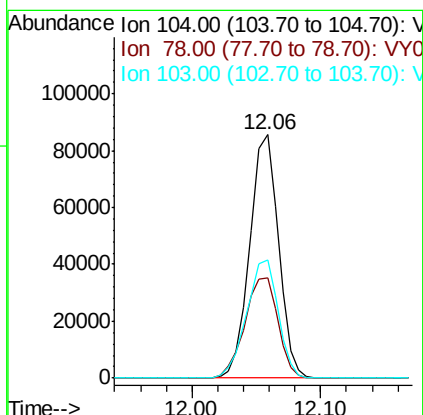
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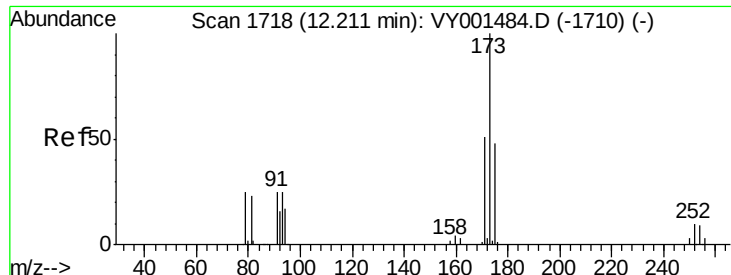
MMDadoda
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#70
Styrene
Concen: 20.173 ug/l
RT: 12.06 min Scan# 1693
Delta R.T. 0.01 min
Lab File: VY001594.D
Acq: 11 Feb 2020 11:37

Tgt Ion:104 Resp: 131592
Ion Ratio Lower Upper
104 100
78 47.7 40.4 60.6
103 53.4 42.8 64.2





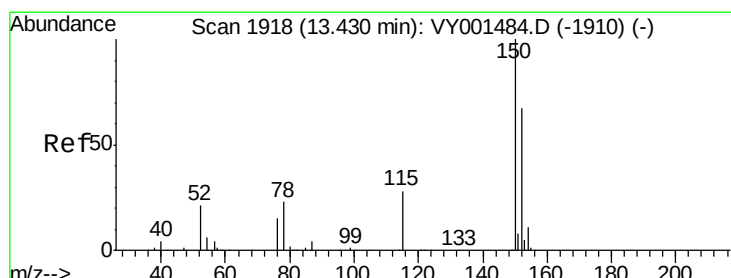
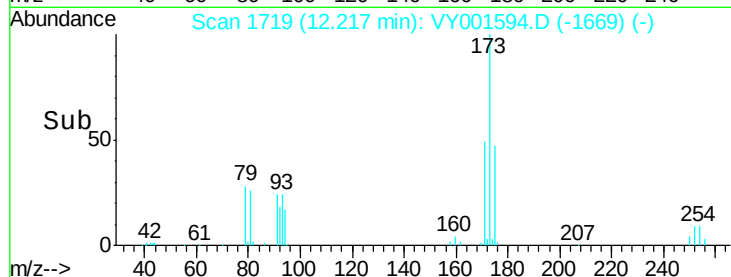
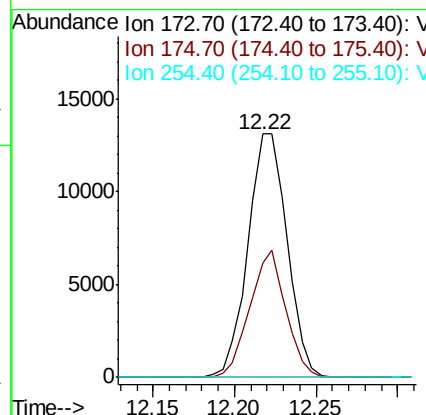
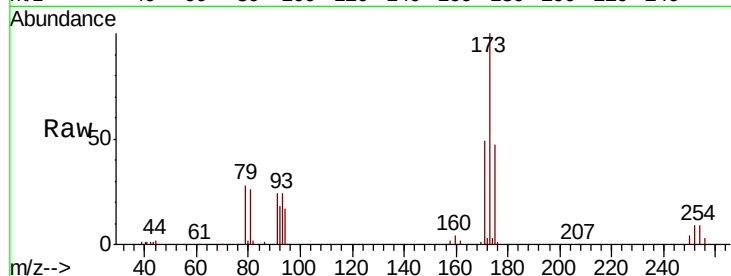
#71
Bromoform
Concen: 19.600 ug/l
RT: 12.22 min Scan# 1719
Delta R.T. 0.01 min
Lab File: VY001594.D
Acq: 11 Feb 2020 11:37

Instrument :
MSVOA_Y
ClientSampleId :
VY0211SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.7	24.0	72.0
254	0.0	0.1	0.1

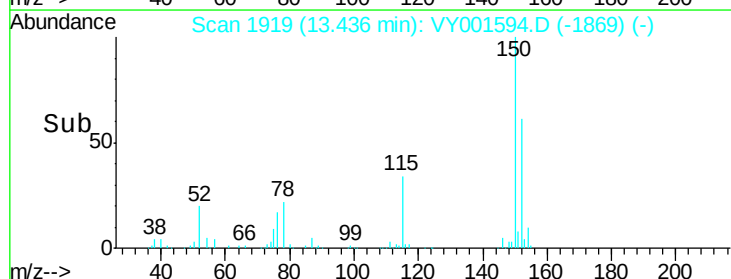
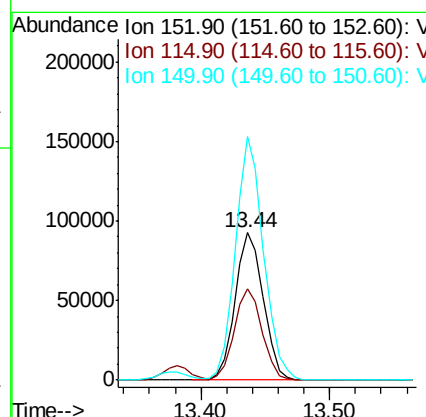
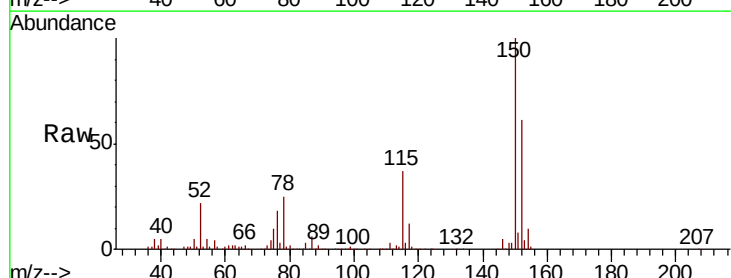
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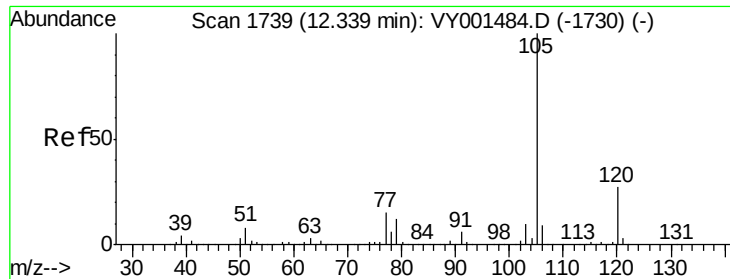
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1919
Delta R.T. 0.01 min
Lab File: VY001594.D
Acq: 11 Feb 2020 11:37

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.9	31.4	94.3
150	164.9	0.0	346.8





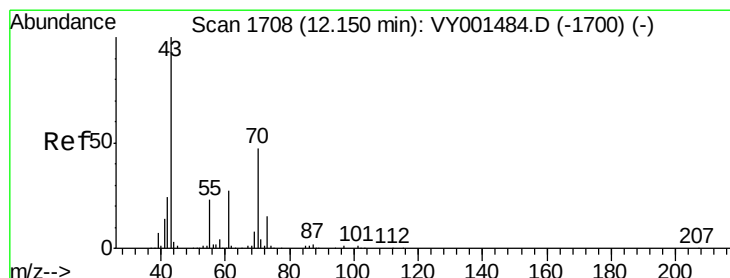
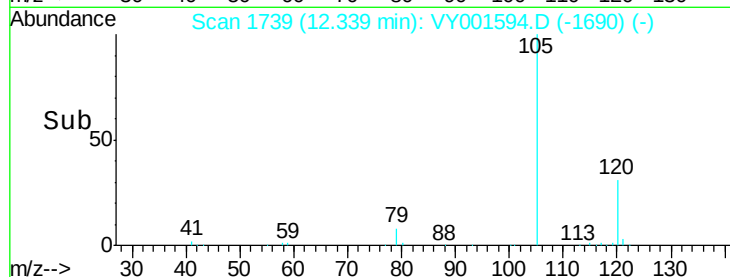
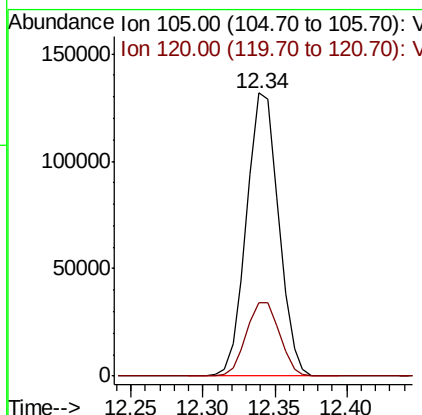
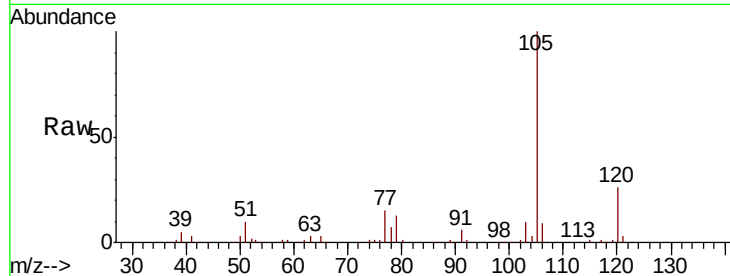
#73
Isopropylbenzene
Concen: 18.919 ug/l
RT: 12.34 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VY001594.D
Acq: 11 Feb 2020 11:37

Instrument :
MSVOA_Y
ClientSampleId :
VY0211SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.8	13.3	39.9

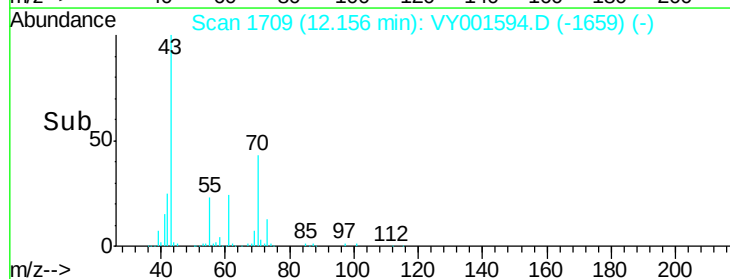
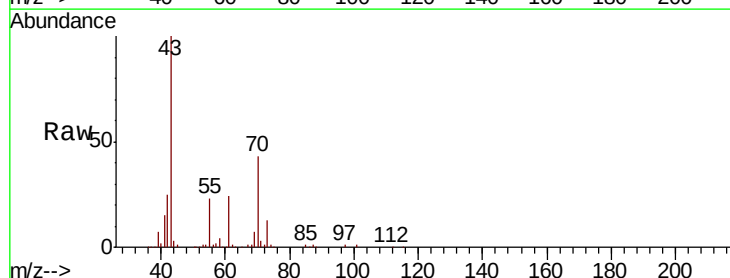
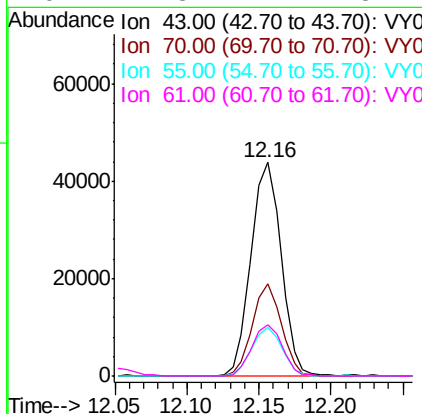
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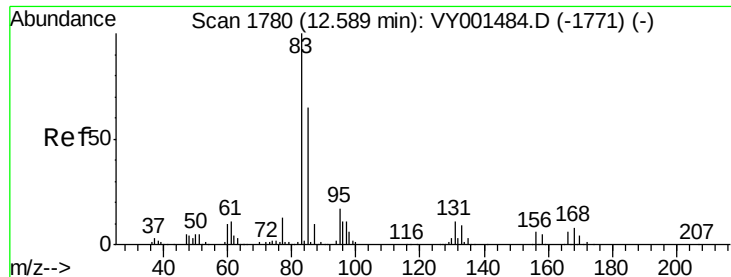
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#74
N-ethyl acetate
Concen: 22.794 ug/l
RT: 12.16 min Scan# 1709
Delta R.T. 0.01 min
Lab File: VY001594.D
Acq: 11 Feb 2020 11:37

Tgt Ion	Ratio	Lower	Upper
43	100		
70	41.7	37.2	55.8
55	22.8	18.8	28.2
61	24.3	21.4	32.2





#75

1,1,2,2-Tetrachloroethane

Concen: 20.455 ug/l

RT: 12.60 min Scan# 1781

Delta R.T. 0.01 min

Lab File: VY001594.D

Acq: 11 Feb 2020 11:37

Instrument :

MSVOA_Y

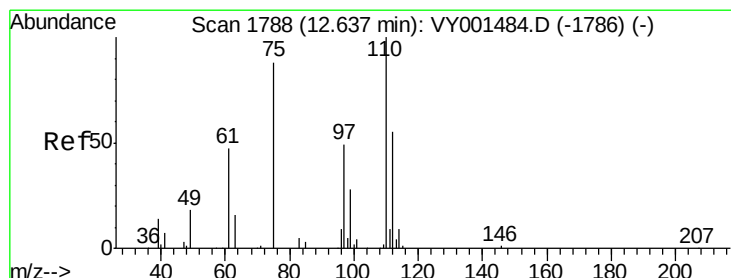
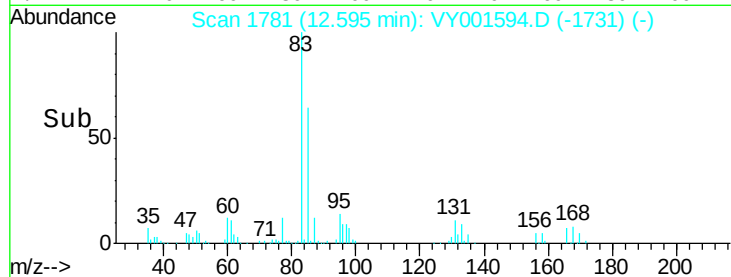
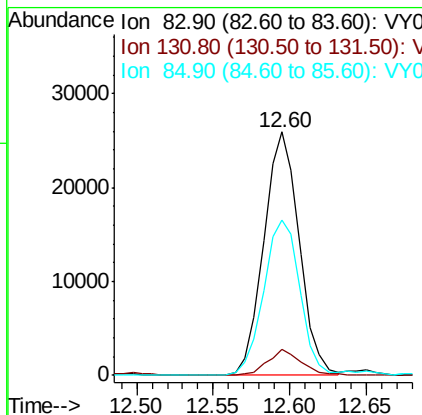
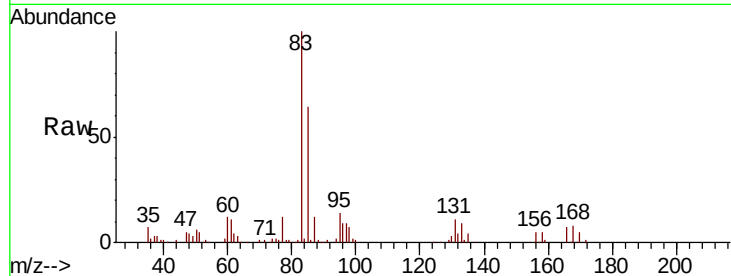
ClientSampleId :

VY0211SBS01

Tot Ion:	83	Resp:	41775
Ion Ratio	Lower	Upper	
83	100		
131	10.0	5.4	16.2
85	65.3	32.0	96.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.539 ug/l m

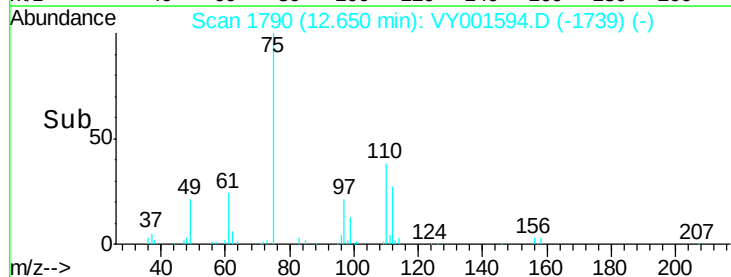
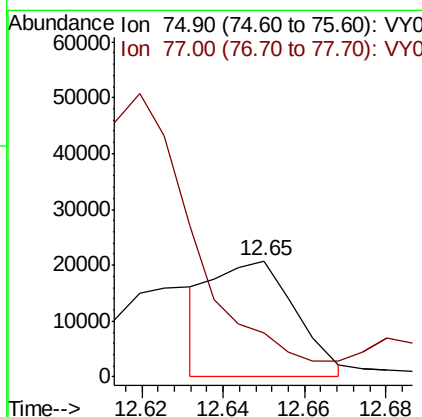
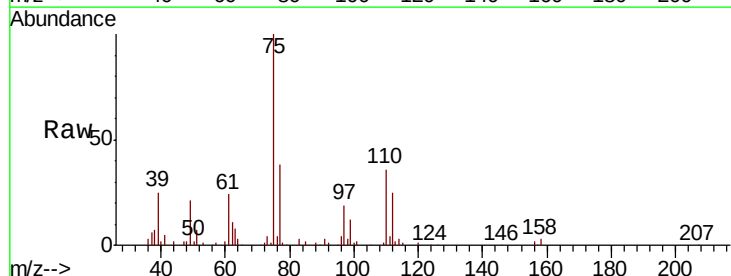
RT: 12.65 min Scan# 1790

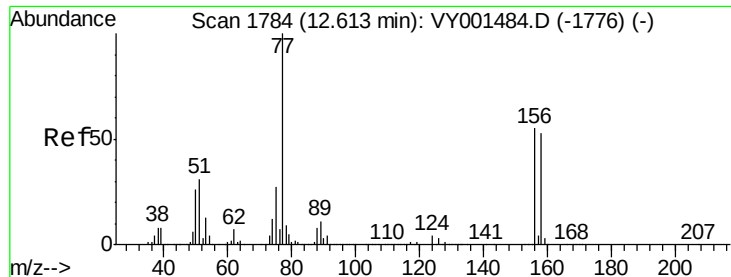
Delta R.T. 0.01 min

Lab File: VY001594.D

Acq: 11 Feb 2020 11:37

Tgt Ion:	75	Resp:	29615
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 18.895 ug/l

RT: 12.62 min Scan# 1785

Delta R.T. 0.01 min

Lab File: VY001594.D

Acq: 11 Feb 2020 11:37

Instrument :

MSVOA_Y

ClientSampleId :

VY0211SBS01

Tot Ion:156 Resp: 43954

Ion Ratio Lower Upper

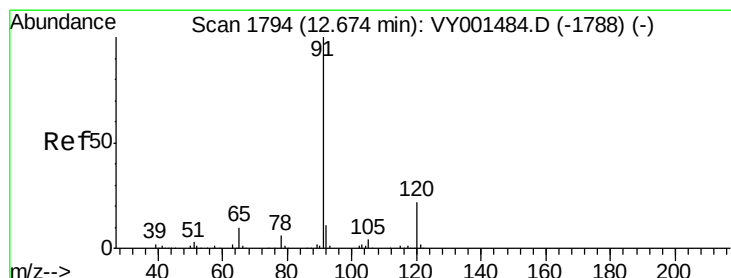
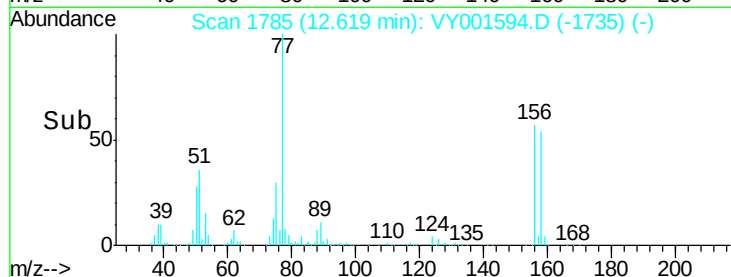
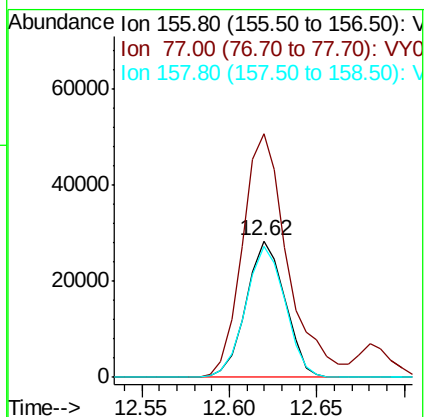
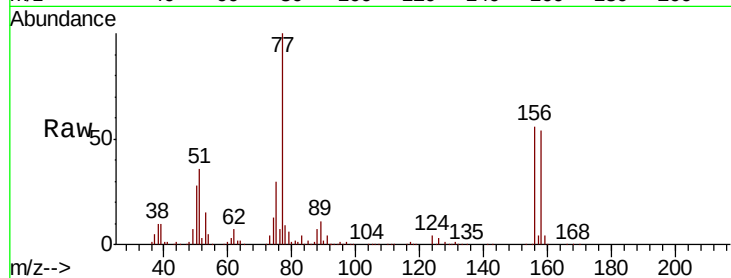
156 100

77 206.7 99.8 299.3

158 97.3 47.5 142.6

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#78

n-propylbenzene

Concen: 19.380 ug/l

RT: 12.68 min Scan# 1795

Delta R.T. 0.01 min

Lab File: VY001594.D

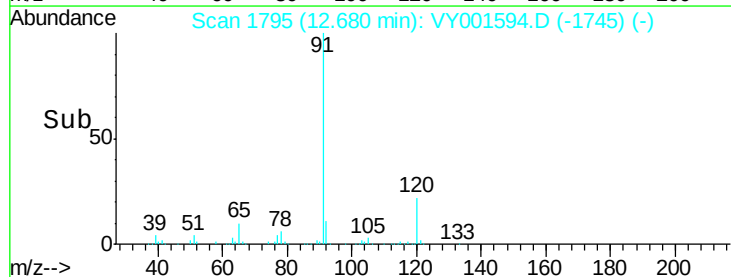
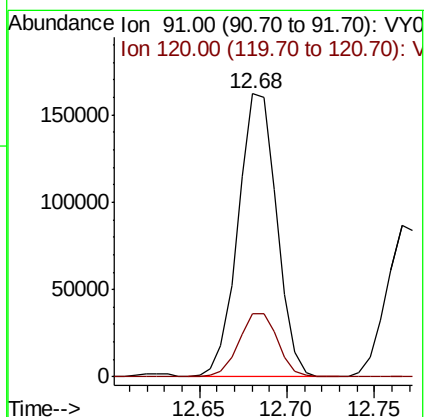
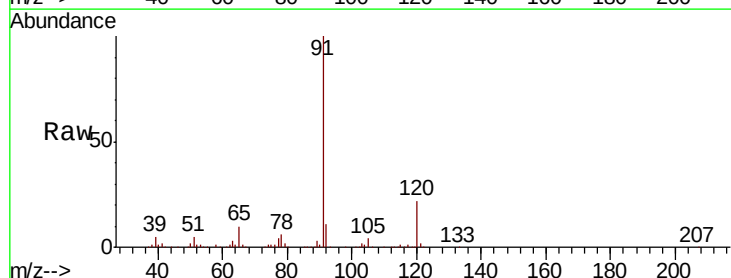
Acq: 11 Feb 2020 11:37

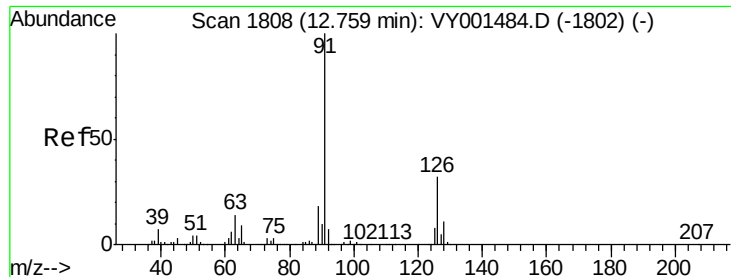
Tgt Ion: 91 Resp: 249393

Ion Ratio Lower Upper

91 100

120 22.5 11.4 34.2





#79

2-Chlorotoluene

Concen: 18.686 ug/l

RT: 12.77 min Scan# 1809

Delta R.T. 0.01 min

Lab File: VY001594.D

Acq: 11 Feb 2020 11:37

Instrument :

MSVOA_Y

ClientSampleId :

VY0211SBS01

Tot Ion: 91 Resp: 137063

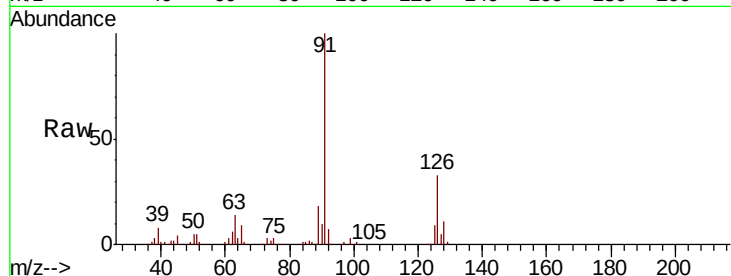
Ion Ratio Lower Upper

91 100

126 33.5 16.4 49.2

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Abundance Ion 91.00 (90.70 to 91.70): VY001594.D (-1759) (-)

Ion 125.90 (125.60 to 126.60): VY001594.D (-1759) (-)

120000

100000

80000

60000

40000

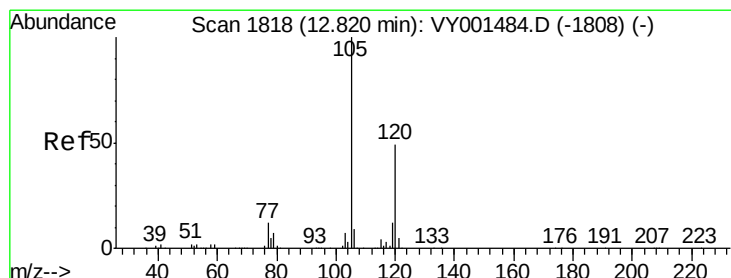
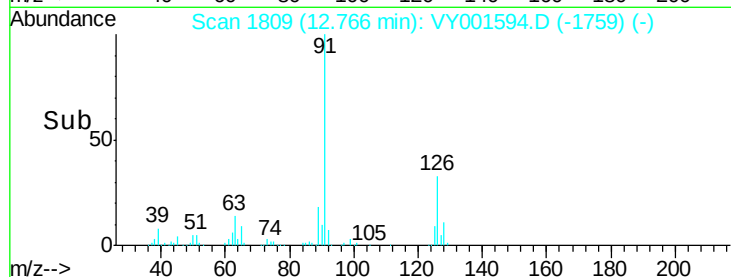
20000

0

12.70 12.75 12.80

12.77

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 18.841 ug/l

RT: 12.82 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VY001594.D

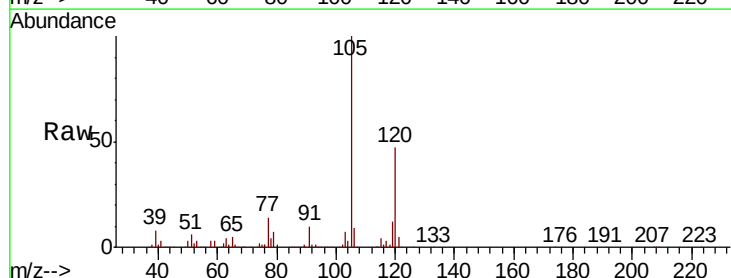
Acq: 11 Feb 2020 11:37

Tgt Ion: 105 Resp: 170562

Ion Ratio Lower Upper

105 100

120 48.3 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): VY001594.D (-1769) (-)

Ion 120.00 (119.70 to 120.70): VY001594.D (-1769) (-)

120000

100000

80000

60000

40000

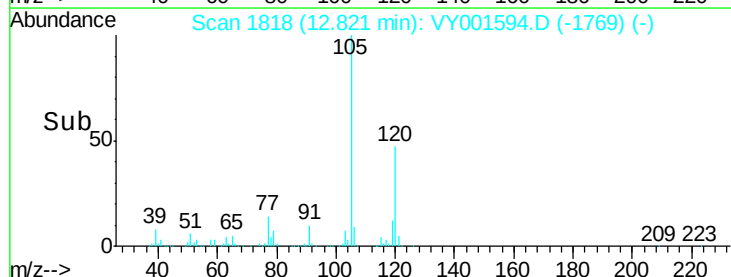
20000

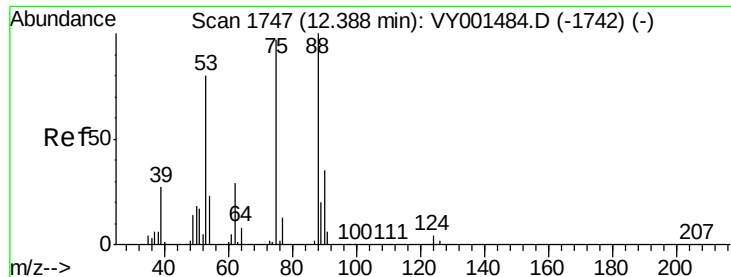
0

12.80 12.82 12.84

12.82

Time-->





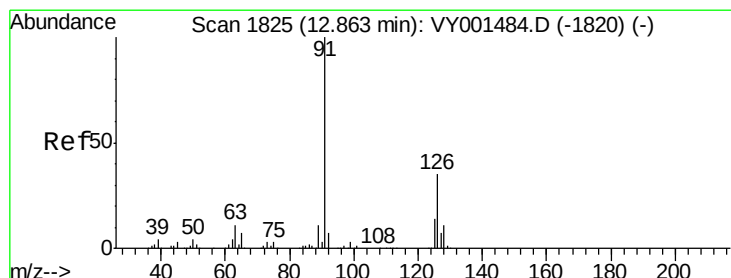
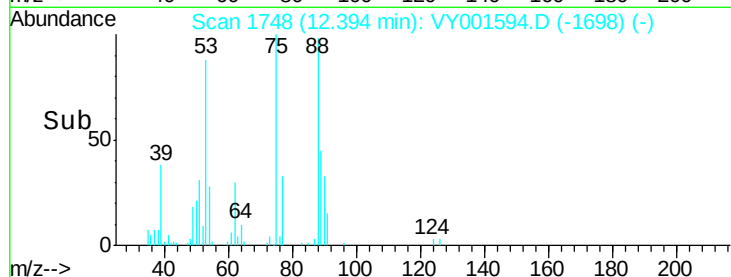
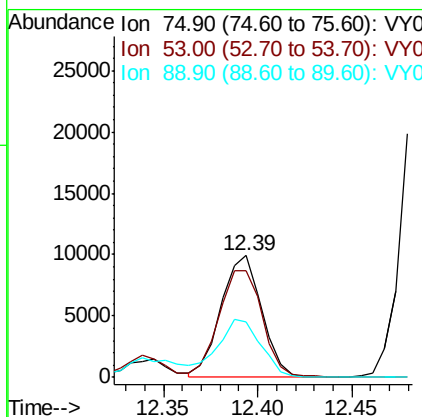
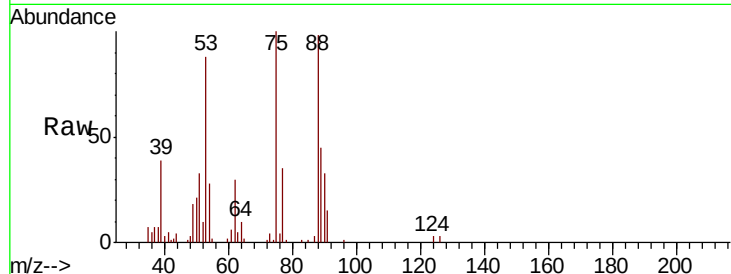
#81
trans-1,4-Dichloro-2-butene
Concen: 19.086 ug/l
RT: 12.39 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VY001594.D
Acq: 11 Feb 2020 11:37

Instrument :
MSVOA_Y
ClientSampleId :
VY0211SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	94.1	67.7	101.5
89	51.0	34.6	52.0

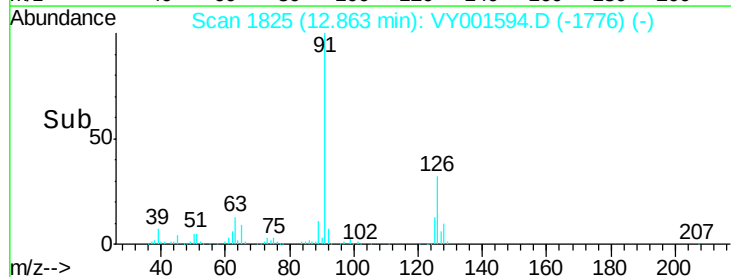
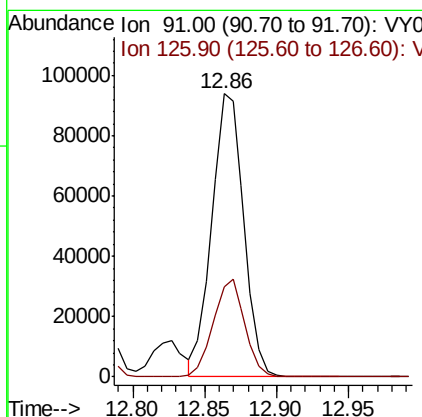
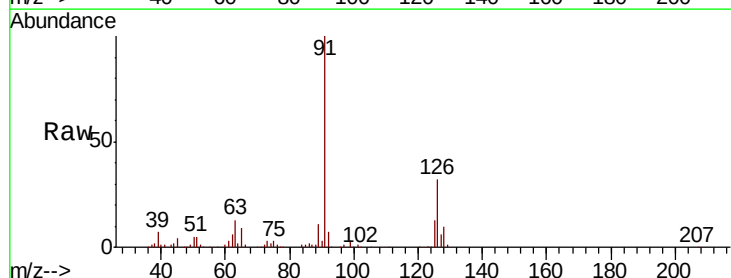
Manual Integrations
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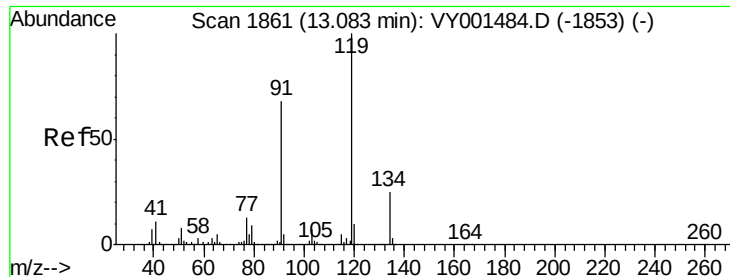
MMDadoda
2/12/2020 3:12:17 PM



#82
4-Chlorotoluene
Concen: 18.926 ug/l
RT: 12.86 min Scan# 1825
Delta R.T. 0.00 min
Lab File: VY001594.D
Acq: 11 Feb 2020 11:37

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.8	16.5	49.5





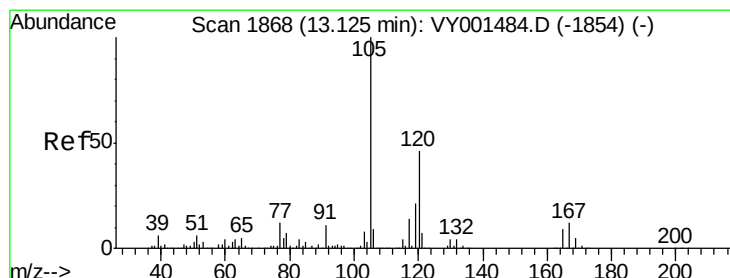
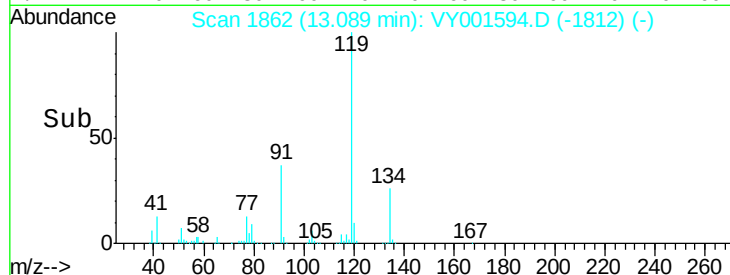
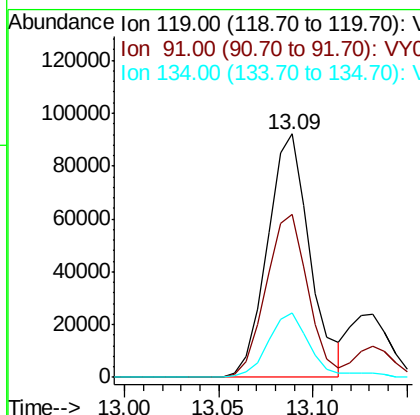
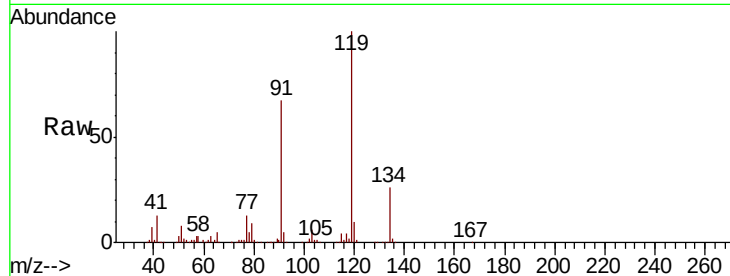
#83
tert-Butylbenzene
Concen: 18.843 ug/l
RT: 13.09 min Scan# 1862
Delta R.T. 0.01 min
Lab File: VY001594.D
Acq: 11 Feb 2020 11:37

Instrument :
MSVOA_Y
ClientSampleId :
VY0211SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.8	33.1	99.3
134	26.5	13.0	39.0

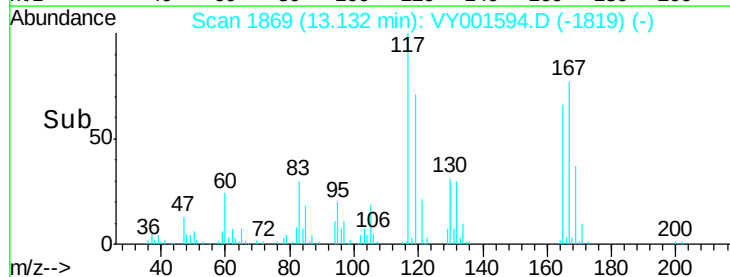
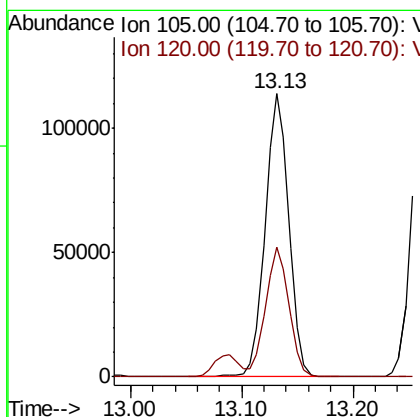
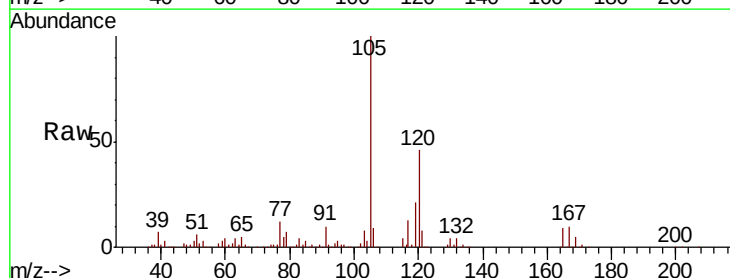
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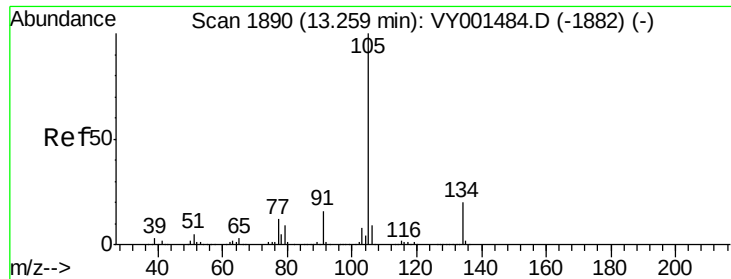
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 18.861 ug/l
RT: 13.13 min Scan# 1869
Delta R.T. 0.01 min
Lab File: VY001594.D
Acq: 11 Feb 2020 11:37

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.1	22.4	67.0





#85

sec-Butylbenzene

Concen: 19.246 ug/l

RT: 13.27 min Scan# 1891

Delta R.T. 0.01 min

Lab File: VY001594.D

Acq: 11 Feb 2020 11:37

Instrument :

MSVOA_Y

ClientSampleId :

VY0211SBS01

Tot Ion:105 Resp: 207059

Ion Ratio Lower Upper

105 100

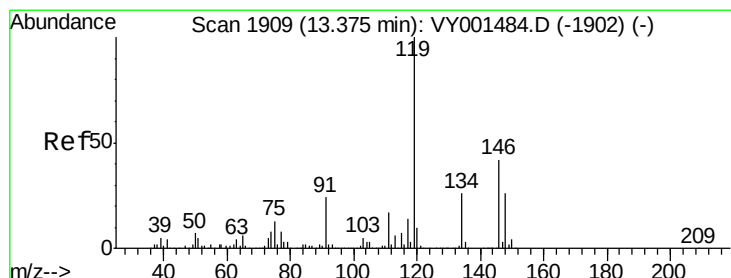
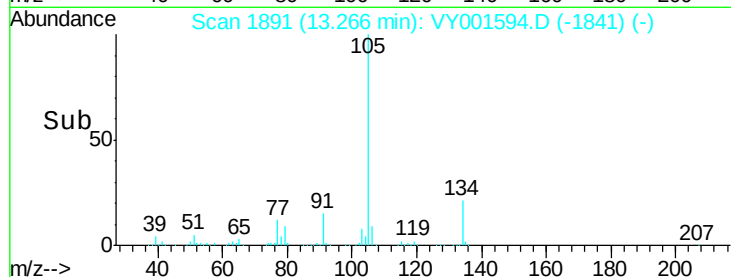
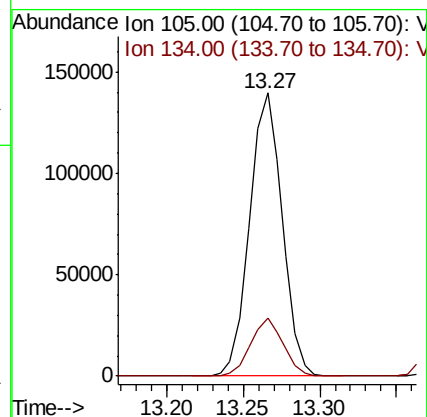
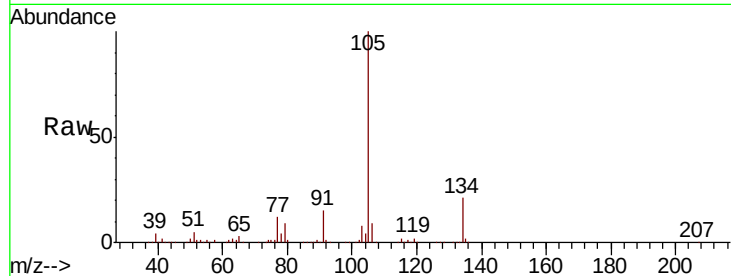
134 20.3 10.0 29.8

Manual Integrations

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2/12/2020 3:12:17 PM



#86

p-Isopropyltoluene

Concen: 19.279 ug/l

RT: 13.38 min Scan# 1910

Delta R.T. 0.01 min

Lab File: VY001594.D

Acq: 11 Feb 2020 11:37

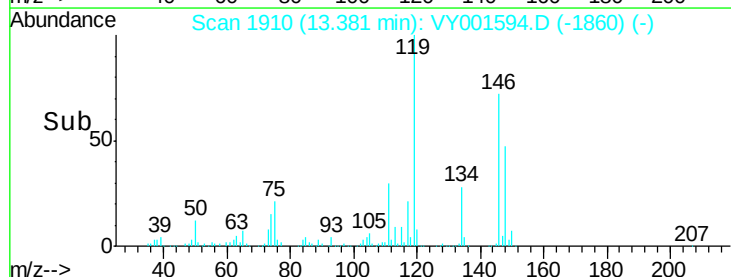
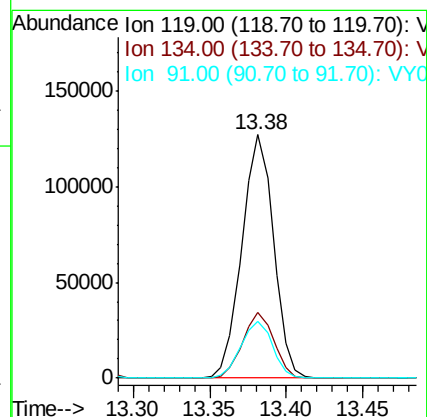
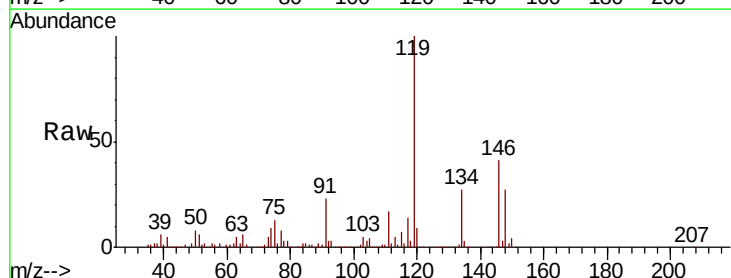
Tgt Ion:119 Resp: 182775

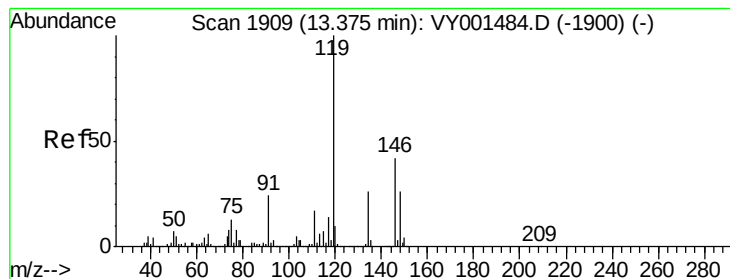
Ion Ratio Lower Upper

119 100

134 26.8 13.3 39.8

91 23.3 12.2 36.6





#87

1,3-Dichlorobenzene

Concen: 19.591 ug/l

RT: 13.38 min Scan# 1909

Delta R.T. 0.00 min

Lab File: VY001594.D

Acq: 11 Feb 2020 11:37

Instrument :

MSVOA_Y

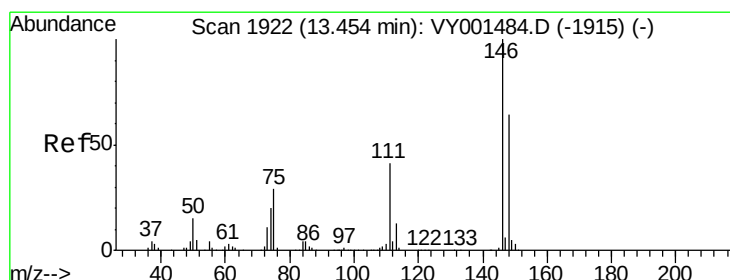
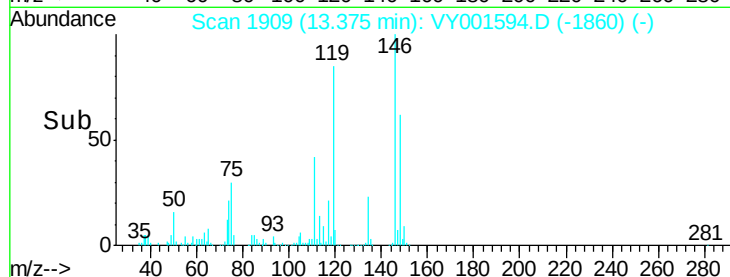
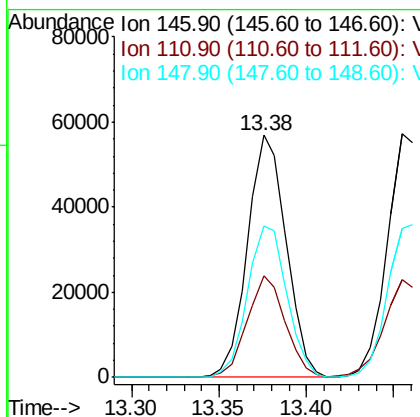
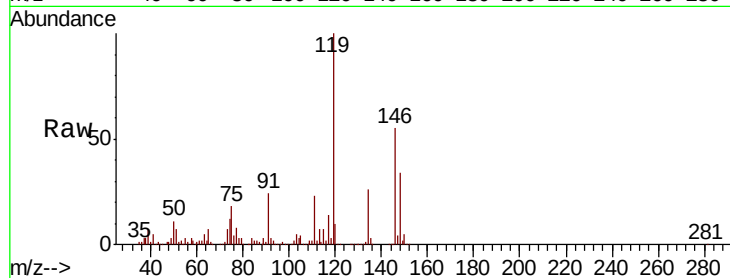
ClientSampleId :

VY0211SBS01

Tot Ion:	146	Resp:	87336
Ion Ratio	Lower	Upper	
146	100		
111	41.6	21.3	63.9
148	63.8	31.9	95.7

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 19.774 ug/l

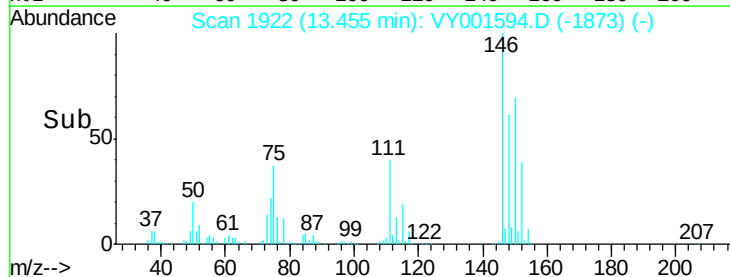
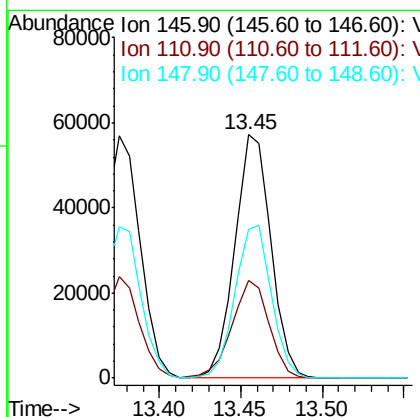
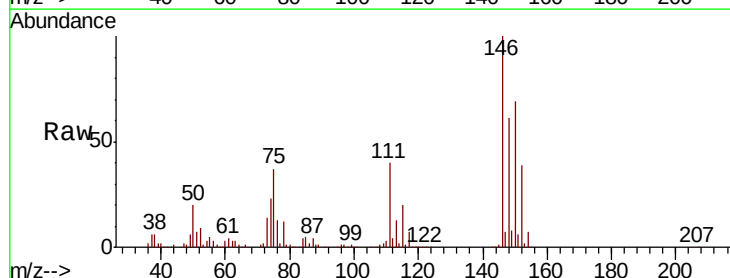
RT: 13.45 min Scan# 1922

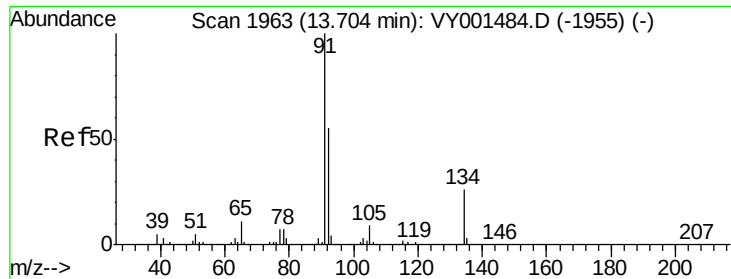
Delta R.T. 0.00 min

Lab File: VY001594.D

Acq: 11 Feb 2020 11:37

Tgt Ion:	146	Resp:	88314
Ion Ratio	Lower	Upper	
146	100		
111	41.3	20.7	62.1
148	63.2	32.1	96.5





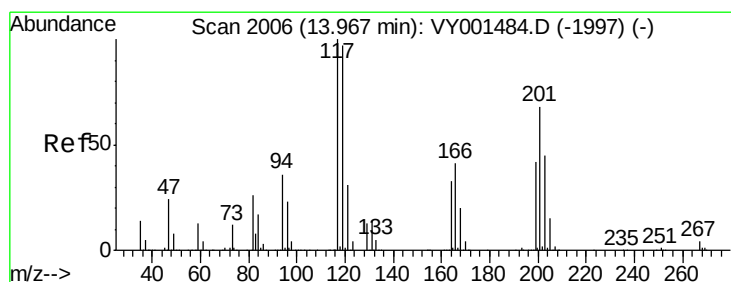
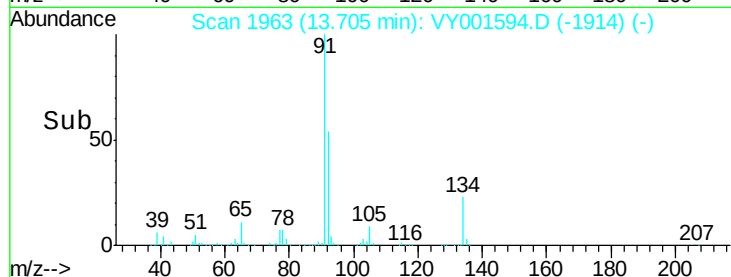
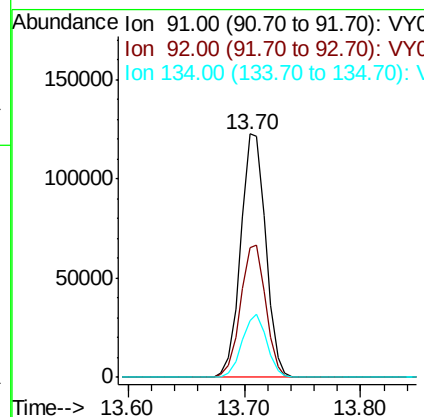
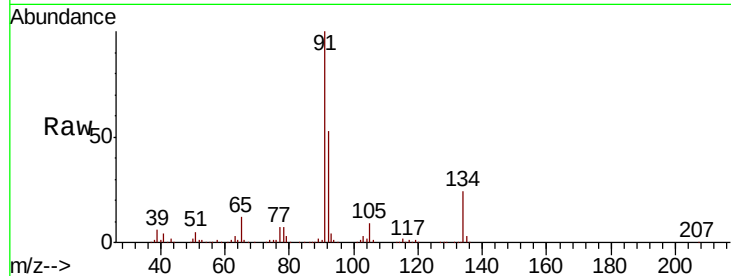
#89
n-Butylbenzene
Concen: 19.674 ug/l
RT: 13.70 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VY001594.D
Acq: 11 Feb 2020 11:37

Instrument :
MSVOA_Y
ClientSampleId :
VY0211SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		184038		
92	54.7	27.3	81.9		
134	25.5	13.0	38.9		

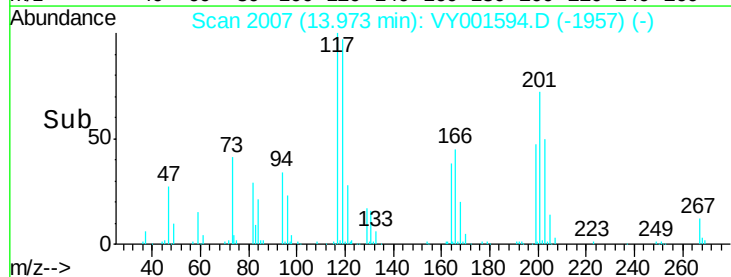
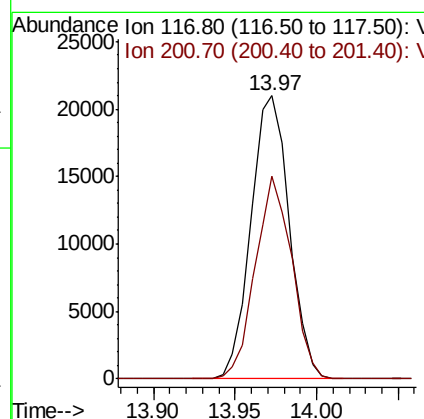
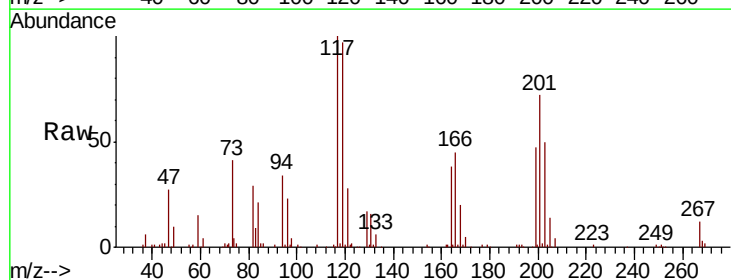
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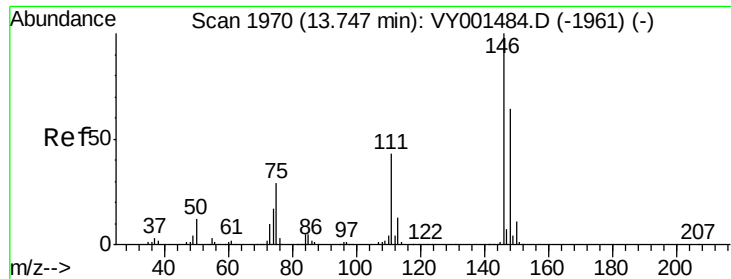
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#90
Hexachloroethane
Concen: 18.833 ug/l
RT: 13.97 min Scan# 2007
Delta R.T. 0.01 min
Lab File: VY001594.D
Acq: 11 Feb 2020 11:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		34270		
201	68.1	34.1	102.3		





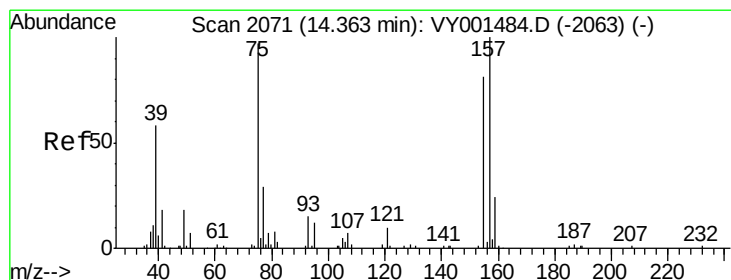
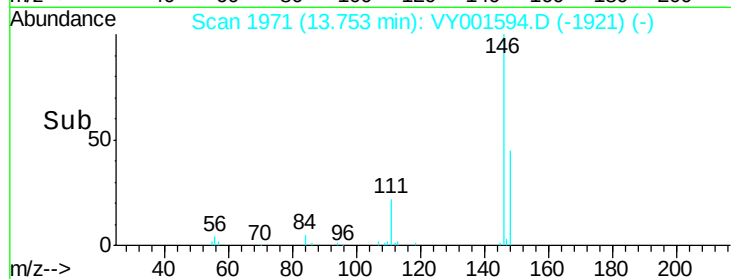
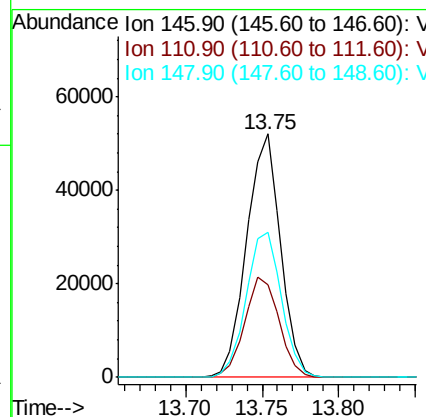
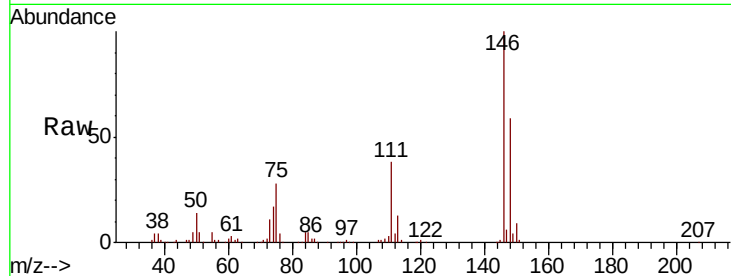
#91
 1,2-Dichlorobenzene
 Concen: 19.785 ug/l
 RT: 13.75 min Scan# 1971
 Delta R.T. 0.01 min
 Lab File: VY001594.D
 Acq: 11 Feb 2020 11:37

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0211SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.9	21.9	65.8
148	62.2	31.8	95.3

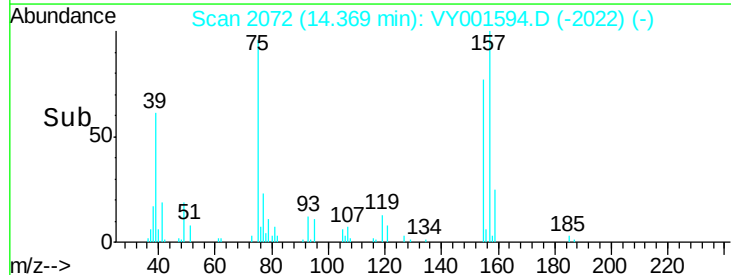
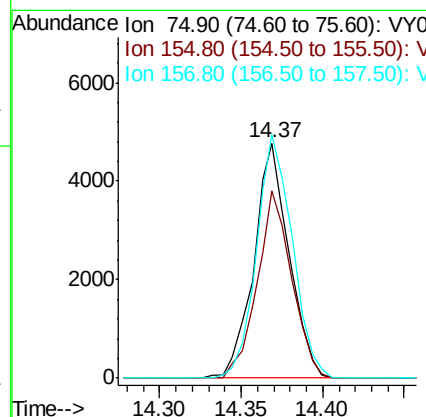
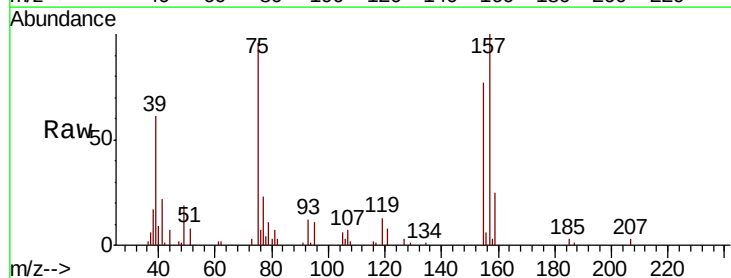
Manual Integrations
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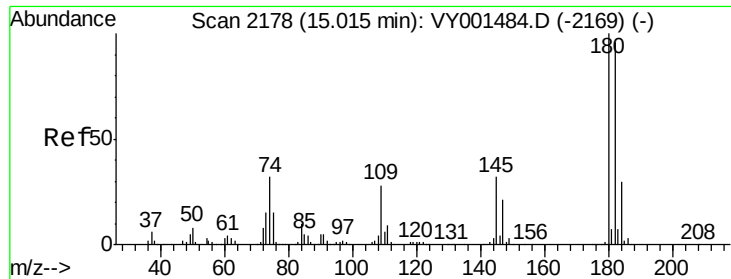
MMDadoda
 2/12/2020 3:12:17 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.967 ug/l
 RT: 14.37 min Scan# 2072
 Delta R.T. 0.01 min
 Lab File: VY001594.D
 Acq: 11 Feb 2020 11:37

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.8	40.7	122.1
157	104.8	52.3	157.1





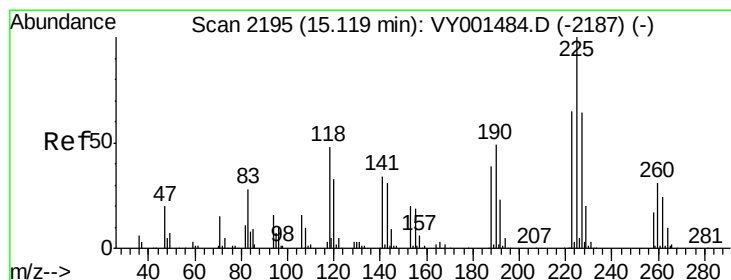
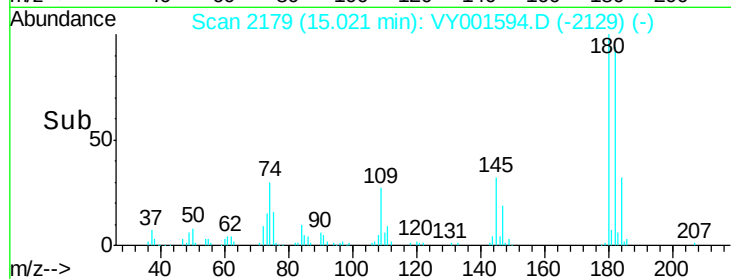
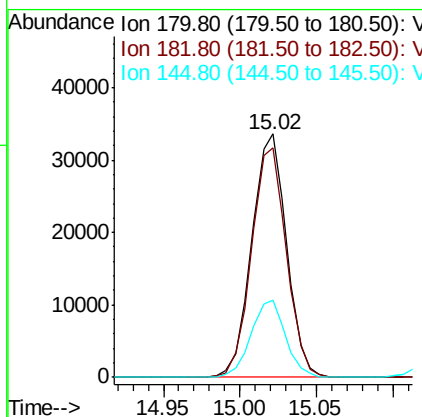
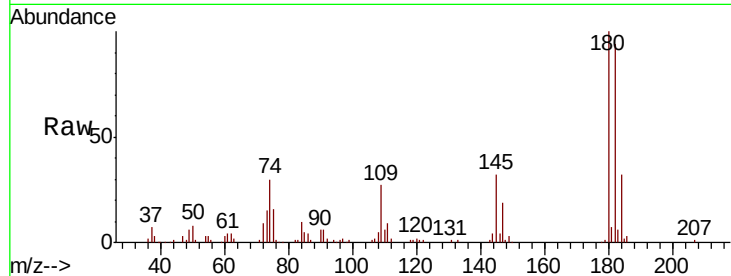
#93
1,2,4-Trichlorobenzene
Concen: 19.489 ug/l
RT: 15.02 min Scan# 2179
Delta R.T. 0.01 min
Lab File: VY001594.D
Acq: 11 Feb 2020 11:37

Instrument :
MSVOA_Y
ClientSampleId :
VY0211SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.3	46.9	140.7	
145	31.5	16.8	50.3	

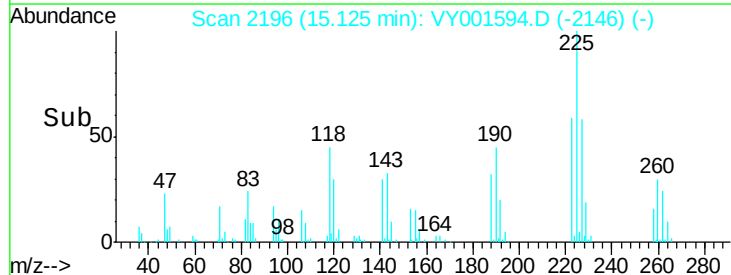
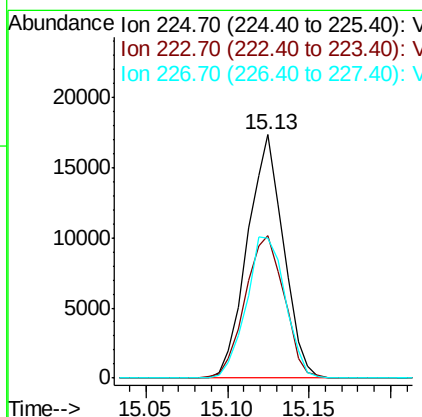
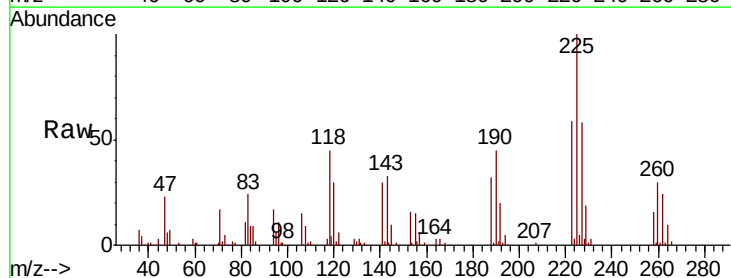
Manual Integrations
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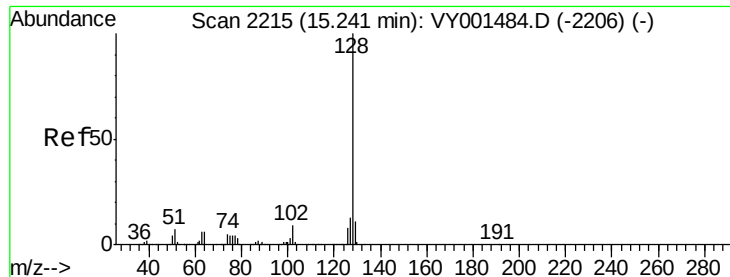
MMDadoda
2/12/2020 3:12:17 PM



#94
Hexachlorobutadiene
Concen: 19.329 ug/l
RT: 15.13 min Scan# 2196
Delta R.T. 0.01 min
Lab File: VY001594.D
Acq: 11 Feb 2020 11:37

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.5	31.9	95.7	
227	62.6	32.6	97.7	





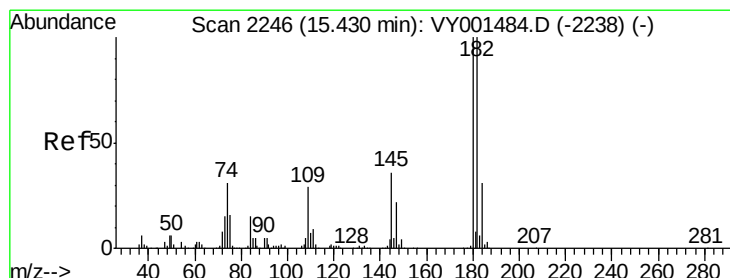
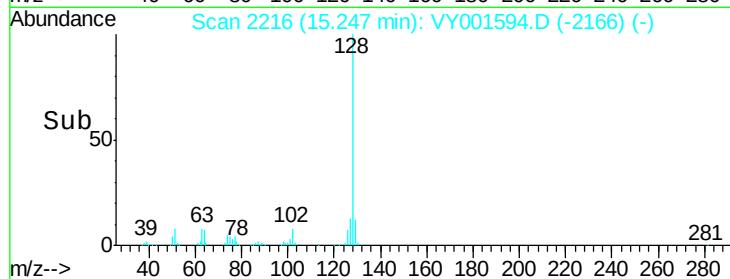
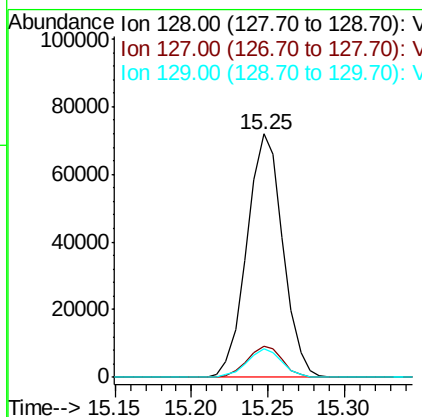
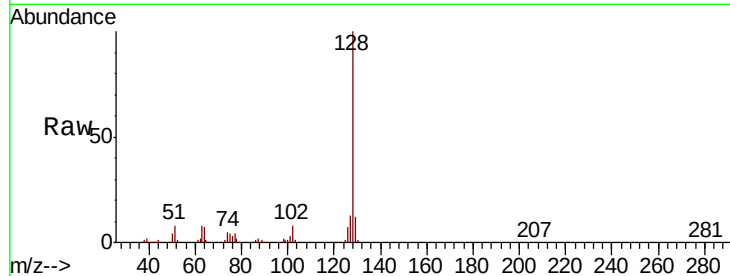
#95
Naphthalene
Concen: 18.440 ug/l
RT: 15.25 min Scan# 2216
Delta R.T. 0.01 min
Lab File: VY001594.D
Acq: 11 Feb 2020 11:37

Instrument :
MSVOA_Y
ClientSampleId :
VY0211SBS01

Tot Ion:	128	Resp:	117990
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.1	15.1
129	11.2	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
2/12/2020 3:12:17 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.511 ug/l
RT: 15.44 min Scan# 2247
Delta R.T. 0.01 min
Lab File: VY001594.D
Acq: 11 Feb 2020 11:37

Tgt Ion:	180	Resp:	46889
Ion Ratio	Lower	Upper	
180	100		
182	94.1	48.0	144.2
145	32.2	17.8	53.5

