

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY011520\
 Data File : VY001238.D
 Acq On : 15 Jan 2020 23:43
 Operator : SY/MD
 Sample : VY0115SBS02
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0115SBS02

Manual Integrations
 APPROVED

MMDadoda
 1/16/2020 9:36:49 AM

Quant Time: Jan 16 06:48:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y011020S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 10 16:01:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	182163	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	324972	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	290148	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	136900	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	88776	46.14	ug/l	0.00
Spiked Amount			Recovery	=	92.28%	
35) Dibromofluoromethane	7.73	113	82589	43.41	ug/l	0.00
Spiked Amount			Recovery	=	86.82%	
50) Toluene-d8	10.18	98	336053	45.84	ug/l	0.00
Spiked Amount			Recovery	=	91.68%	
62) 4-Bromofluorobenzene	12.48	95	122269	40.79	ug/l	0.00
Spiked Amount			Recovery	=	81.58%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	30542	21.831	ug/l	97
3) Chloromethane	2.12	50	43734	21.688	ug/l	96
4) Vinyl Chloride	2.25	62	45738	22.514	ug/l	99
5) Bromomethane	2.64	94	31123	28.521	ug/l	96
6) Chloroethane	2.79	64	29959	25.526	ug/l	95
7) Trichlorofluoromethane	3.13	101	58416	20.658	ug/l	96
8) Diethyl Ether	3.54	74	24697	22.476	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.91	101	36410	20.003	ug/l	100
10) Methyl Iodide	4.10	142	50024	20.078	ug/l	99
11) Tert butyl alcohol	4.97	59	24440	126.255	ug/l	99
12) 1,1-Dichloroethene	3.88	96	38961	20.922	ug/l	98
13) Acrolein	3.74	56	18587	106.658	ug/l	98
14) Allyl chloride	4.49	41	68764	21.878	ug/l	98
15) Acrylonitrile	5.18	53	62744	114.176	ug/l	99
16) Acetone	3.96	43	49683	111.191	ug/l	97
17) Carbon Disulfide	4.20	76	124754	20.698	ug/l	98
18) Methyl Acetate	4.49	43	33533	22.699	ug/l	99
19) Methyl tert-butyl Ether	5.24	73	111320	21.611	ug/l	95
20) Methylene Chloride	4.73	84	54986	23.477	ug/l	94
21) trans-1,2-Dichloroethene	5.24	96	45518	21.556	ug/l	92
22) Diisopropyl ether	6.13	45	138272	21.539	ug/l	98
23) Vinyl Acetate	6.07	43	455598	110.971	ug/l	100
24) 1,1-Dichloroethane	6.03	63	76306	21.712	ug/l	99
25) 2-Butanone	7.00	43	82651	118.851	ug/l	99
26) 2,2-Dichloropropane	6.99	77	61852	19.139	ug/l	99
27) cis-1,2-Dichloroethene	7.00	96	50862	21.983	ug/l	98
28) Bromochloromethane	7.35	49	27157	18.818	ug/l	98
29) Tetrahydrofuran	7.36	42	54726	114.833	ug/l	97
30) Chloroform	7.52	83	74802	21.723	ug/l	96
31) Cyclohexane	7.79	56	74794	20.100	ug/l	99
32) 1,1,1-Trichloroethane	7.71	97	62772	20.545	ug/l	99
36) 1,1-Dichloropropene	7.93	75	58828	19.861	ug/l	99
37) Ethyl Acetate	7.08	43	37340	21.481	ug/l	99
38) Carbon Tetrachloride	7.91	117	54293	20.001	ug/l	96

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	76913	19.154	ug/l	99
40) Benzene	8.17	78	183567	21.231	ug/l	100
41) Methacrylonitrile	7.33	41	19566m	23.962	ug/l	
42) 1,2-Dichloroethane	8.25	62	50723	20.951	ug/l	98
43) Isopropyl Acetate	8.28	43	70340	21.162	ug/l	99
44) Trichloroethene	8.94	130	47047	20.883	ug/l	100
45) 1,2-Dichloropropane	9.22	63	44730	20.927	ug/l	95
46) Dibromomethane	9.31	93	24702	21.181	ug/l	99
47) Bromodichloromethane	9.50	83	59099	20.793	ug/l	98
48) Methyl methacrylate	9.30	41	32156	20.905	ug/l	99
49) 1,4-Dioxane	9.30	88	6702	471.880	ug/l #	93
51) 4-Methyl-2-Pentanone	10.07	43	179442	106.393	ug/l	99
52) Toluene	10.24	92	114942	20.844	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	63421	19.941	ug/l	100
54) cis-1,3-Dichloropropene	9.93	75	74200	20.692	ug/l	99
55) 1,1,2-Trichloroethane	10.64	97	37113	21.466	ug/l	98
56) Ethyl methacrylate	10.51	69	54674	20.673	ug/l	99
57) 1,3-Dichloropropane	10.79	76	63180	21.286	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	99712	107.196	ug/l	99
59) 2-Hexanone	10.83	43	129740	109.761	ug/l	98
60) Dibromochloromethane	10.99	129	40793	20.492	ug/l	98
61) 1,2-Dibromoethane	11.09	107	35116	20.801	ug/l	100
64) Tetrachloroethene	10.72	164	40461	21.633	ug/l	97
65) Chlorobenzene	11.52	112	120627	20.806	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.59	131	42108	21.073	ug/l	99
67) Ethyl Benzene	11.59	91	217913	20.547	ug/l	99
68) m/p-Xylenes	11.70	106	166759	41.682	ug/l	99
69) o-Xylene	12.03	106	79818	20.808	ug/l	99
70) Styrene	12.04	104	138299	20.548	ug/l	98
71) Bromoform	12.20	173	25258	20.497	ug/l #	98
73) Isopropylbenzene	12.33	105	209720	20.377	ug/l	100
74) N-amyl acetate	12.14	43	67580	21.041	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	45146	20.850	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	30124m	20.555	ug/l	
77) Bromobenzene	12.61	156	48256	21.220	ug/l	93
78) n-propylbenzene	12.67	91	253319	20.463	ug/l	100
79) 2-Chlorotoluene	12.75	91	143314	20.158	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	175308	20.415	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.38	75	15950	18.456	ug/l #	98
82) 4-Chlorotoluene	12.85	91	150667	19.851	ug/l	98
83) tert-Butylbenzene	13.07	119	147721	20.473	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	177395	20.802	ug/l	100
85) sec-Butylbenzene	13.25	105	210437	20.273	ug/l	98
86) p-Isopropyltoluene	13.37	119	185397	20.571	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	92532	21.515	ug/l	98
88) 1,4-Dichlorobenzene	13.44	146	91878	20.757	ug/l	99
89) n-Butylbenzene	13.69	91	182358	20.089	ug/l	99
90) Hexachloroethane	13.95	117	35887	20.378	ug/l	100
91) 1,2-Dichlorobenzene	13.74	146	83709	20.943	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.35	75	7735	19.803	ug/l	98

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ClientSampleId :
VY0115SBSD02

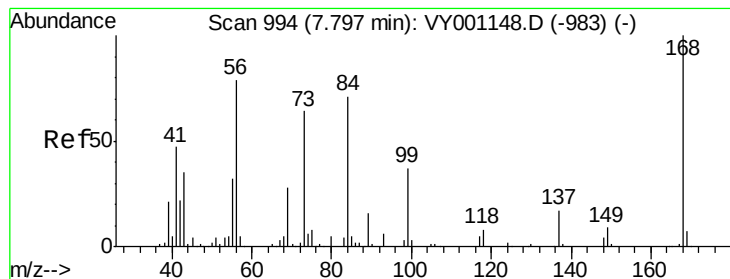
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	56561	21.477	ug/l	99
94) Hexachlorobutadiene	15.11	225	28630	21.579	ug/l	99
95) Naphthalene	15.23	128	132241	21.569	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	50604	21.803	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.01 min

Lab File: VY001238.D

Acq: 15 Jan 2020 23:43

Instrument :

MSVOA_Y

ClientSampleId :

VY0115SBS02

Tot Ion:168 Resp: 182163

Ion Ratio Lower Upper

168 100

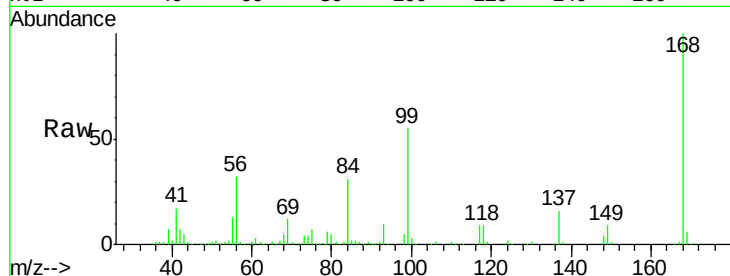
99 55.2 47.9 71.9

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Abundance Ion 167.90 (167.60 to 168.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

7.80

80000

60000

40000

20000

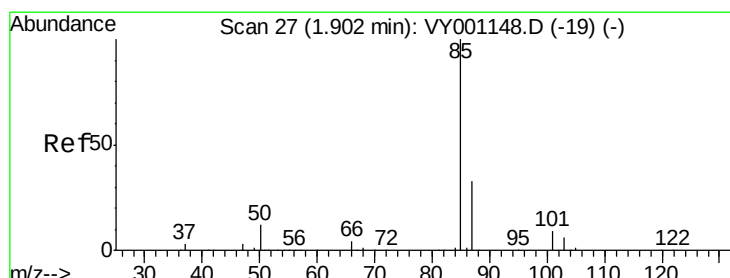
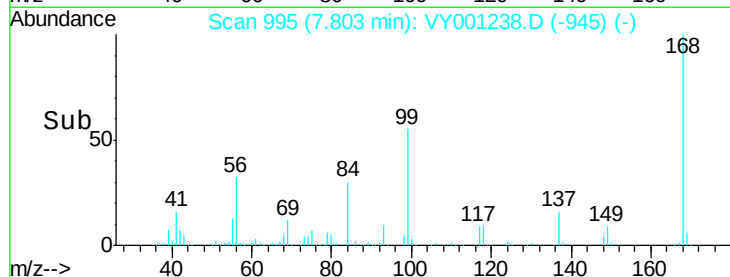
0

7.70

7.80

7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 21.831 ug/l

RT: 1.90 min Scan# 27

Delta R.T. -0.00 min

Lab File: VY001238.D

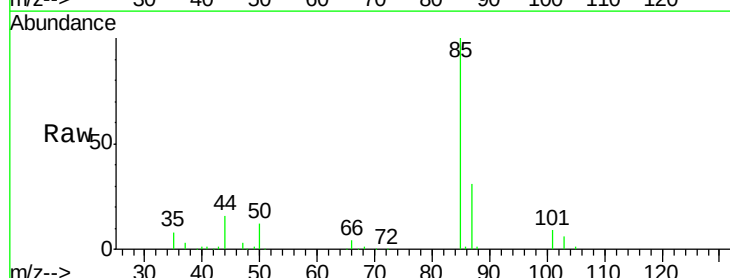
Acq: 15 Jan 2020 23:43

Tgt Ion: 85 Resp: 30542

Ion Ratio Lower Upper

85 100

87 31.0 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VY0

Ion 86.90 (86.60 to 87.60): VY0

25000

20000

15000

10000

5000

0

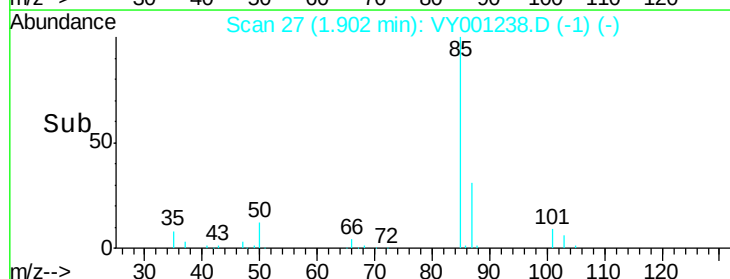
1.85

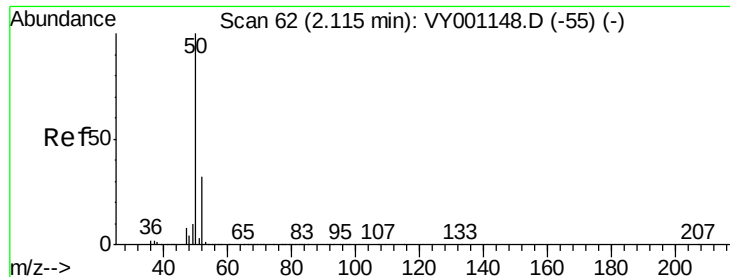
1.90

1.95

2.00

Time-->





#3

Chloromethane

Concen: 21.688 ug/l

RT: 2.12 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY001238.D

Acq: 15 Jan 2020 23:43

Instrument :

MSVOA_Y

ClientSampleId :

VY0115SBS02

Tot Ion: 50 Resp: 43734

Ion Ratio Lower Upper

50 100

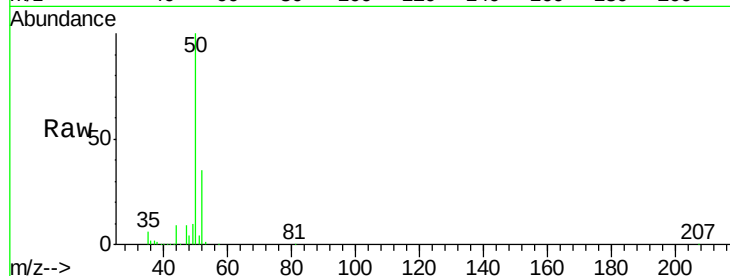
52 34.7 25.8 38.6

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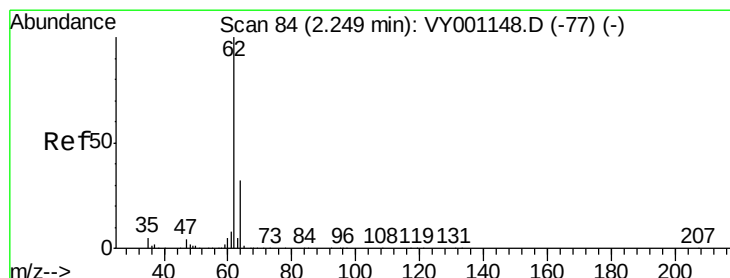
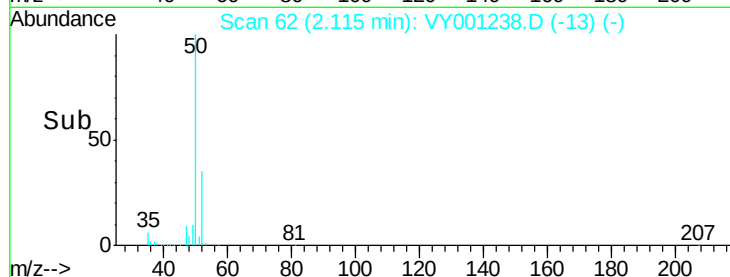
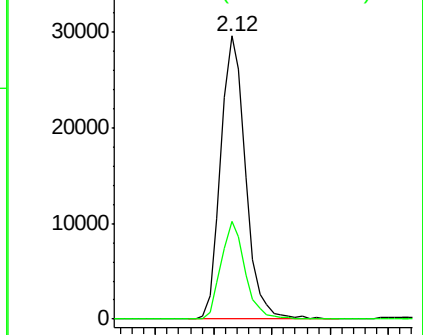
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Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 22.514 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.00 min

Lab File: VY001238.D

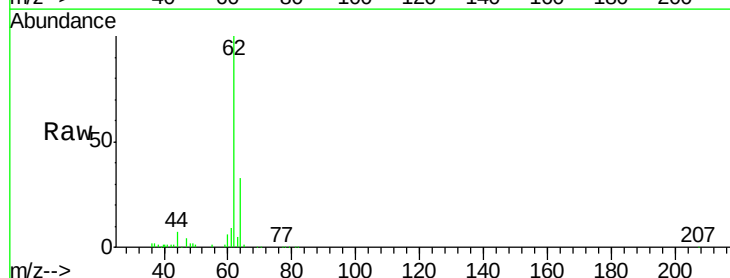
Acq: 15 Jan 2020 23:43

Tgt Ion: 62 Resp: 45738

Ion Ratio Lower Upper

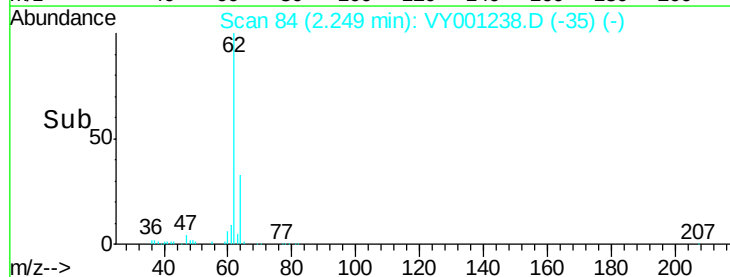
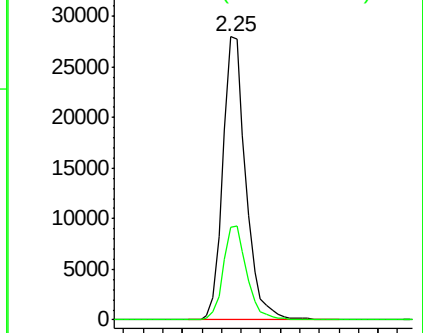
62 100

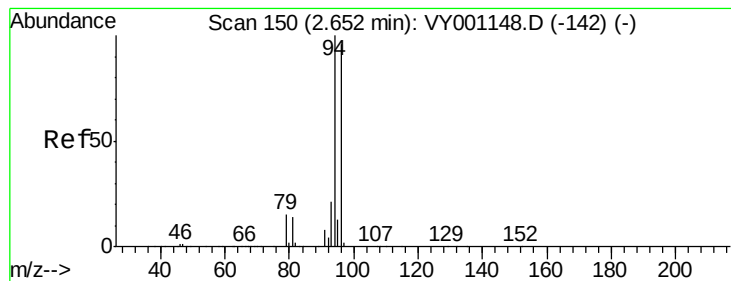
64 32.9 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 28.521 ug/l

RT: 2.64 min Scan# 148

Delta R.T. -0.01 min

Lab File: VY001238.D

Acq: 15 Jan 2020 23:43

Instrument :

MSVOA_Y

ClientSampleId :

VY0115SBS02

Tot Ion: 94 Resp: 31123

Ion Ratio Lower Upper

94 100

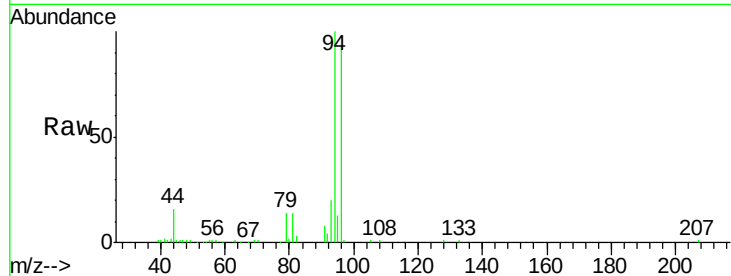
96 92.7 77.3 115.9

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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0

2.64

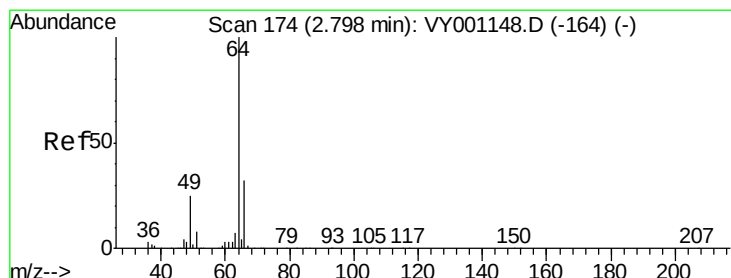
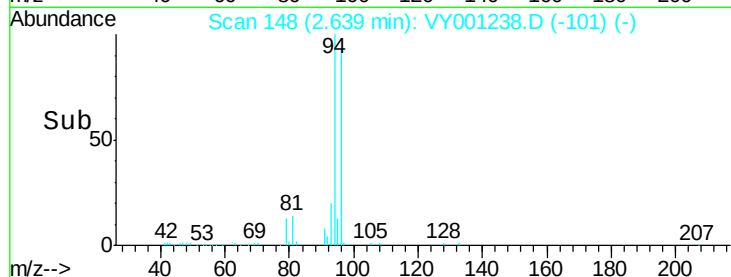
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 25.526 ug/l

RT: 2.79 min Scan# 173

Delta R.T. -0.01 min

Lab File: VY001238.D

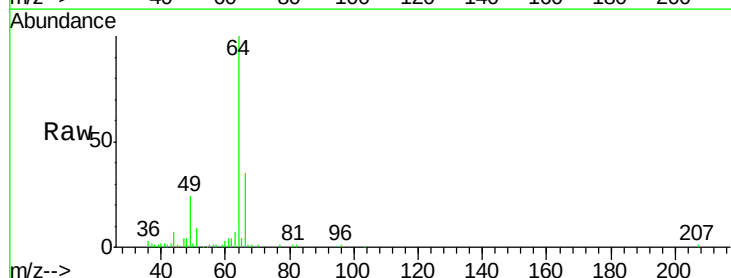
Acq: 15 Jan 2020 23:43

Tgt Ion: 64 Resp: 29959

Ion Ratio Lower Upper

64 100

66 34.5 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0

2.79

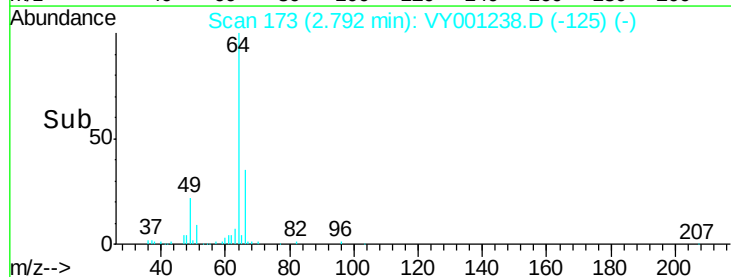
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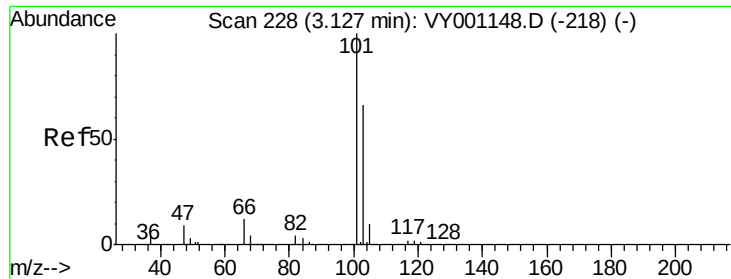
10000

5000

0

Time-->





#7

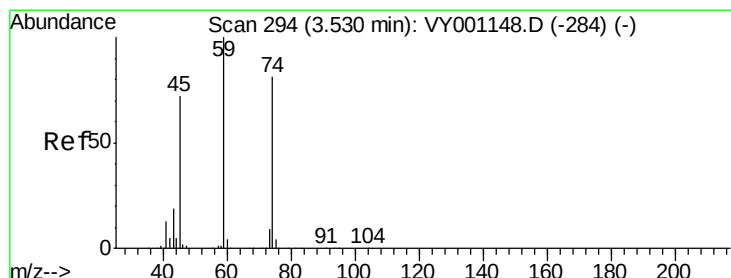
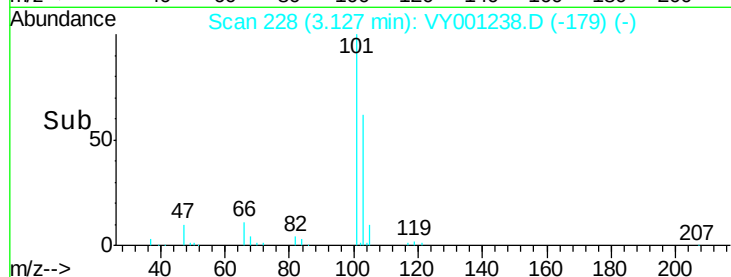
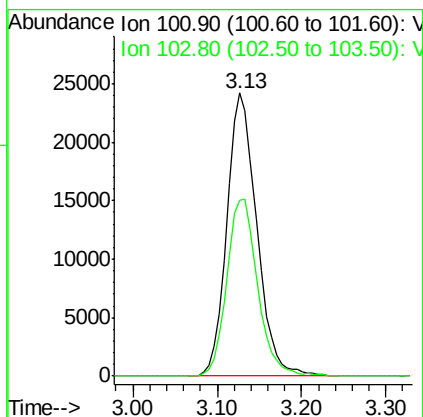
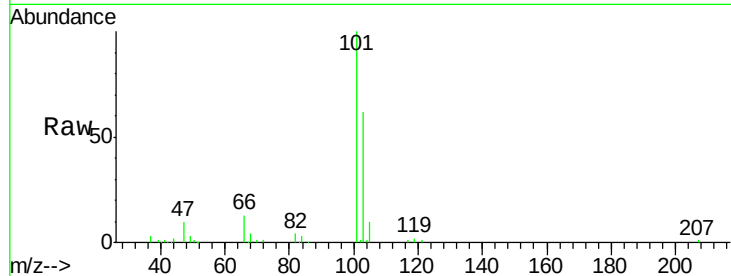
Trichlorofluoromethane
Concen: 20.658 ug/l
RT: 3.13 min Scan# 228
Delta R.T. -0.00 min
Lab File: VY001238.D
Acq: 15 Jan 2020 23:43

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ClientSampleId :
VY0115SBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.3	52.6	79.0

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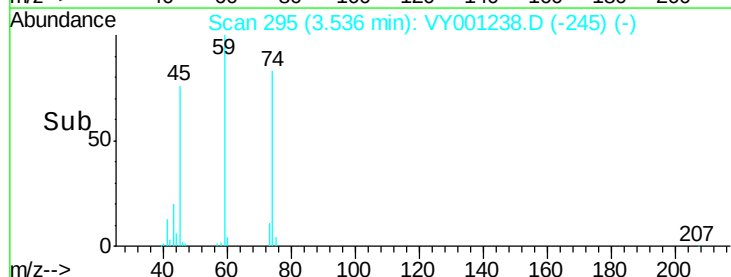
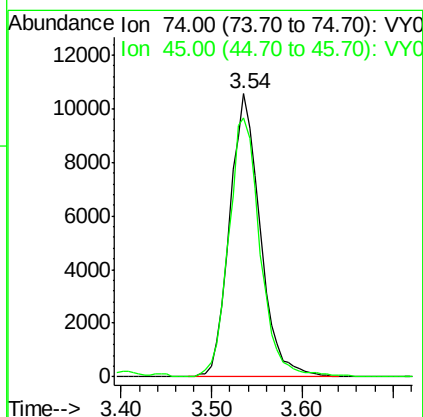
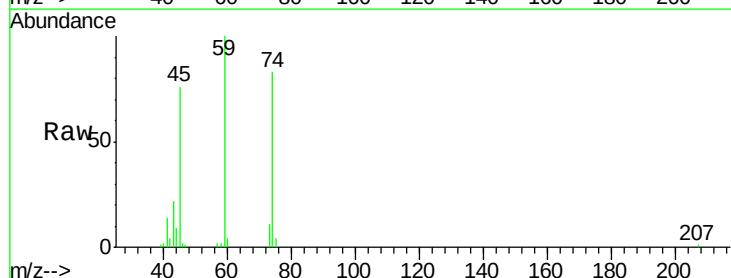
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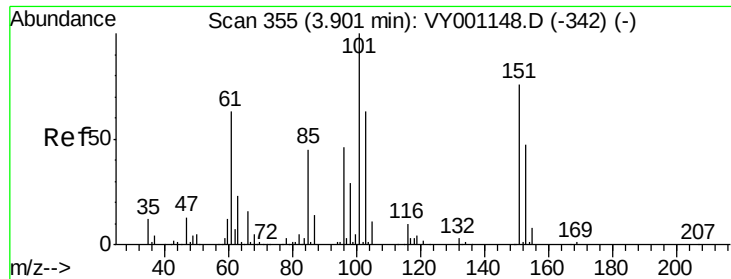


#8

Diethyl Ether
Concen: 22.476 ug/l
RT: 3.54 min Scan# 295
Delta R.T. 0.01 min
Lab File: VY001238.D
Acq: 15 Jan 2020 23:43

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.6	45.5	136.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.003 ug/l

RT: 3.91 min Scan# 356

Delta R.T. 0.01 min

Lab File: VY001238.D

Acq: 15 Jan 2020 23:43

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MSVOA_Y

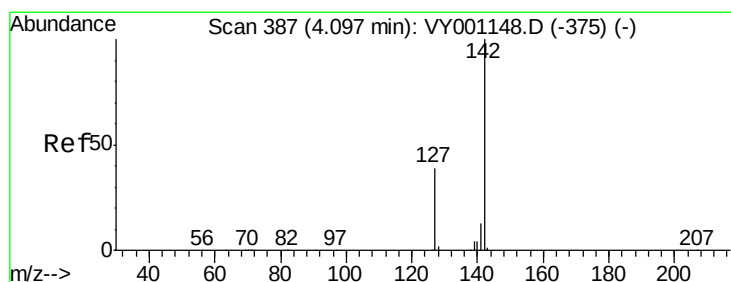
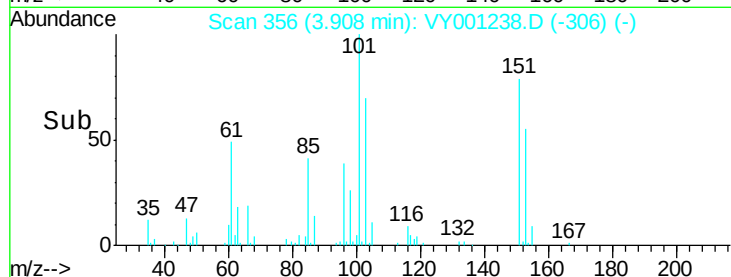
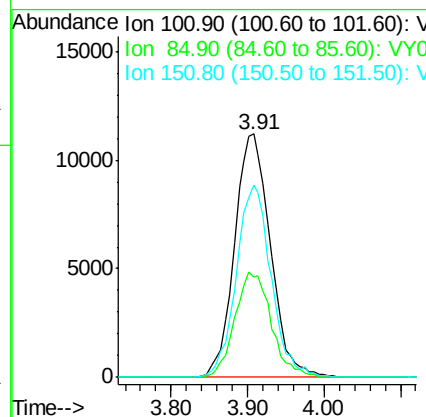
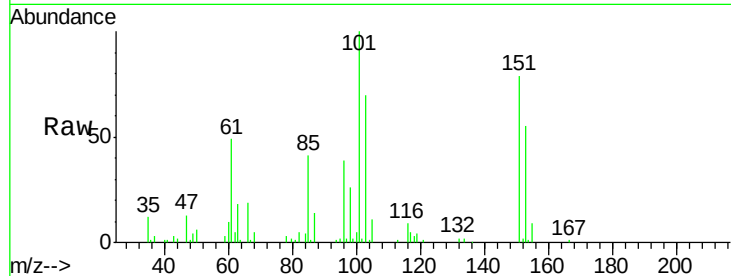
ClientSampleId :

VY0115SBS02

Tot Ion:	101	Resp:	36410
Ion Ratio	Lower	Upper	
101	100		
85	43.8	35.2	52.8
151	76.8	61.4	92.2

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1/16/2020 9:36:49 AM



#10

Methyl Iodide

Concen: 20.078 ug/l

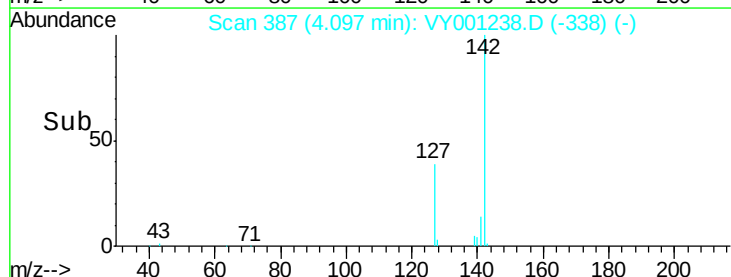
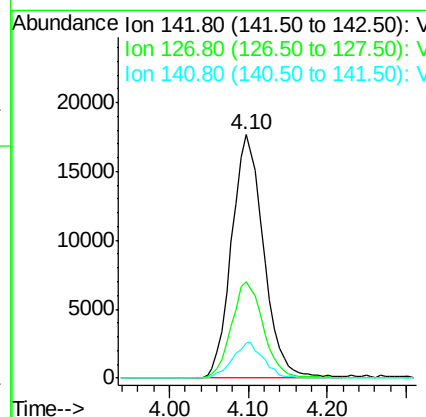
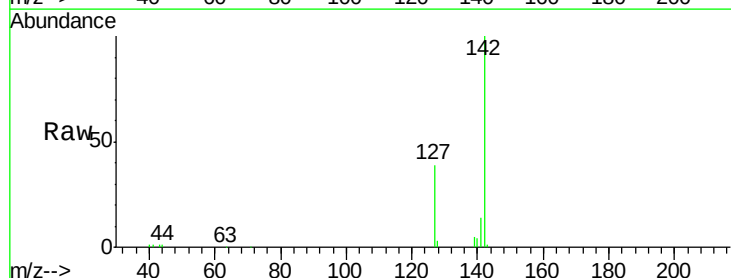
RT: 4.10 min Scan# 387

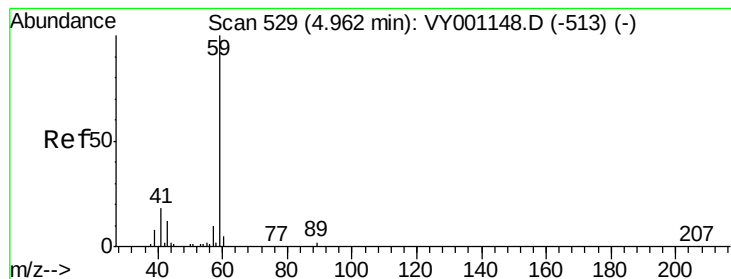
Delta R.T. -0.00 min

Lab File: VY001238.D

Acq: 15 Jan 2020 23:43

Tgt Ion:	142	Resp:	50024
Ion Ratio	Lower	Upper	
142	100		
127	39.4	30.8	46.2
141	14.1	11.0	16.4





#11

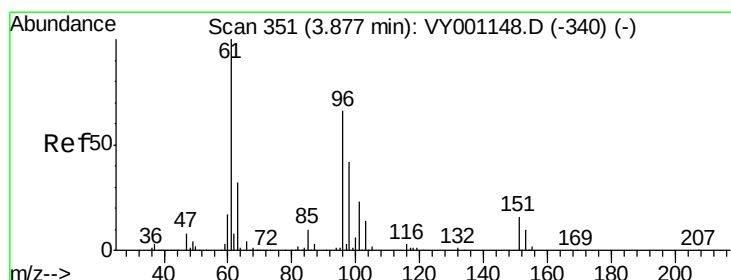
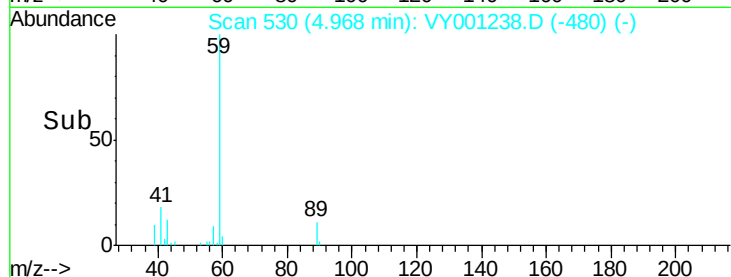
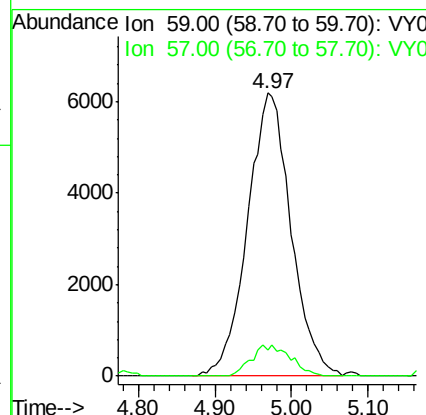
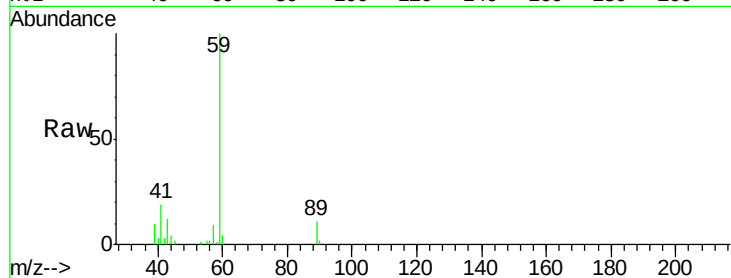
Tert butyl alcohol
Concen: 126.255 ug/l
RT: 4.97 min Scan# 530
Delta R.T. 0.01 min
Lab File: VY001238.D
Acq: 15 Jan 2020 23:43

Instrument :
MSVOA_Y
ClientSampleId :
VY0115SBS02

Tot Ion	59	Resp	24440
Ion Ratio	100	Lower	Upper
57	10.0	7.8	11.8

Manual Integrations
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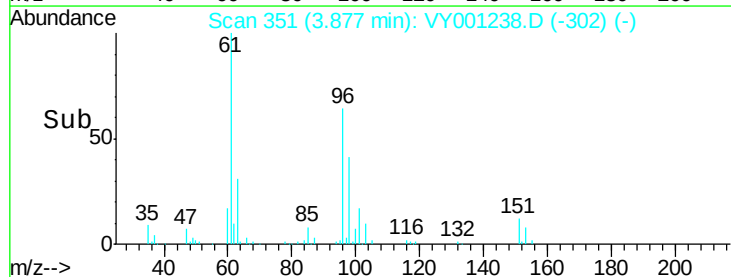
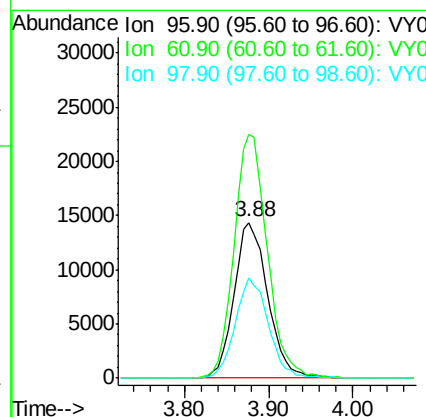
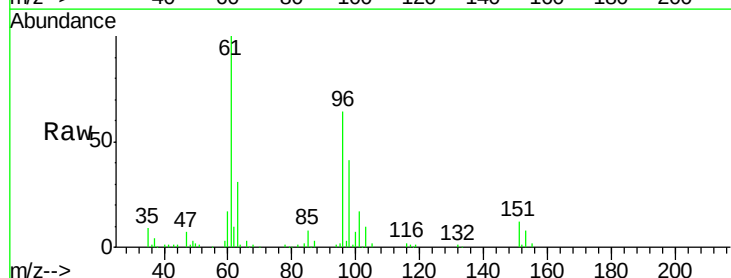
MMDadoda
1/16/2020 9:36:49 AM

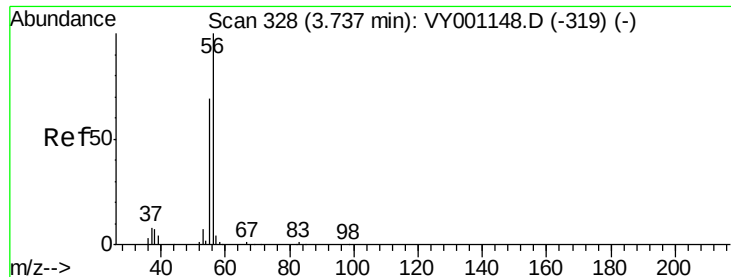


#12

1,1-Dichloroethene
Concen: 20.922 ug/l
RT: 3.88 min Scan# 351
Delta R.T. -0.00 min
Lab File: VY001238.D
Acq: 15 Jan 2020 23:43

Tgt Ion	96	Resp	38961
Ion Ratio	100	Lower	Upper
61	156.5	122.1	183.1
98	64.5	51.0	76.6





#13

Acrolein

Concen: 106.658 ug/l

RT: 3.74 min Scan# 328

Delta R.T. -0.00 min

Lab File: VY001238.D

Acq: 15 Jan 2020 23:43

Instrument :

MSVOA_Y

ClientSampleId :

VY0115SBS02

Tot Ion: 56 Resp: 18587

Ion Ratio Lower Upper

56 100

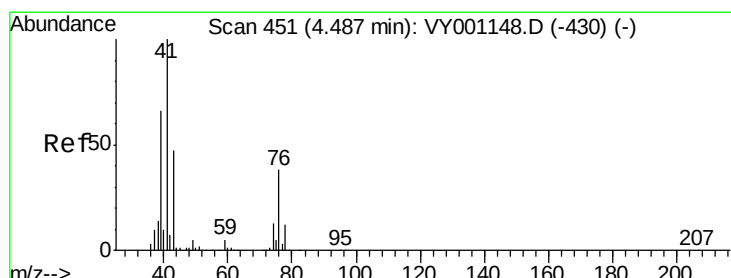
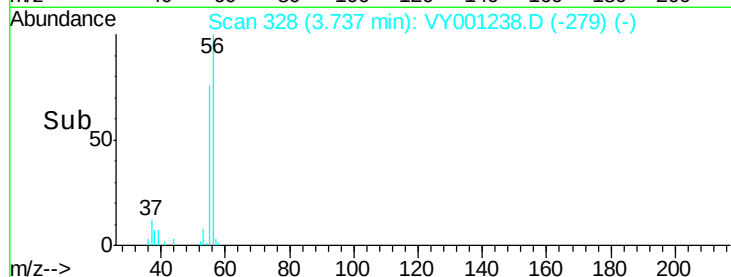
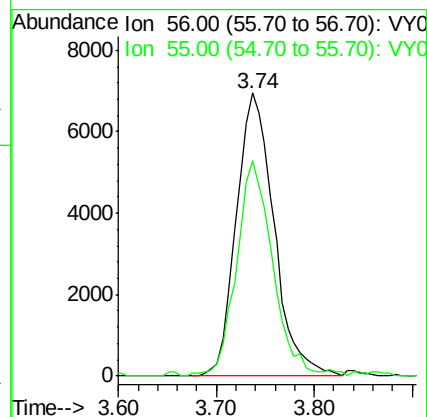
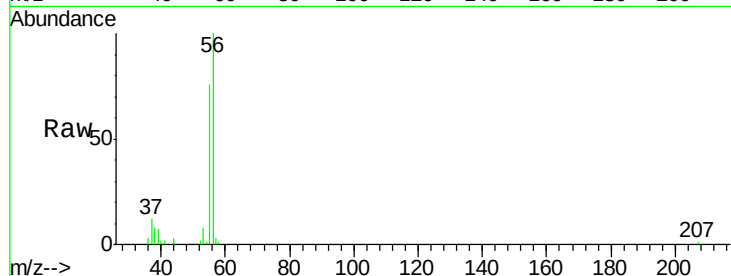
55 72.8 56.7 85.1

Manual Integrations

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#14

Allyl chloride

Concen: 21.878 ug/l

RT: 4.49 min Scan# 451

Delta R.T. -0.00 min

Lab File: VY001238.D

Acq: 15 Jan 2020 23:43

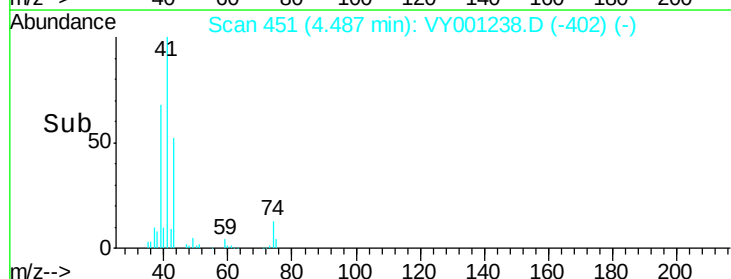
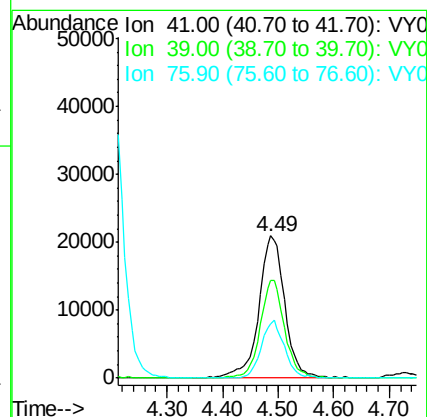
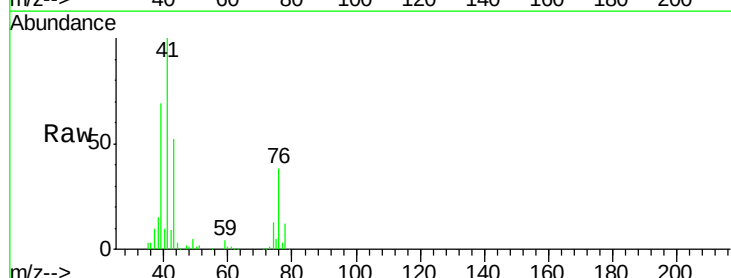
Tgt Ion: 41 Resp: 68764

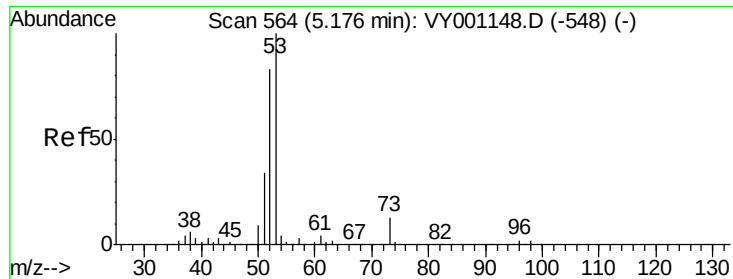
Ion Ratio Lower Upper

41 100

39 63.9 52.6 78.8

76 36.0 30.2 45.2





#15

Acrylonitrile

Concen: 114.176 ug/l

RT: 5.18 min Scan# 564

Delta R.T. -0.00 min

Lab File: VY001238.D

Acq: 15 Jan 2020 23:43

Instrument :

MSVOA_Y

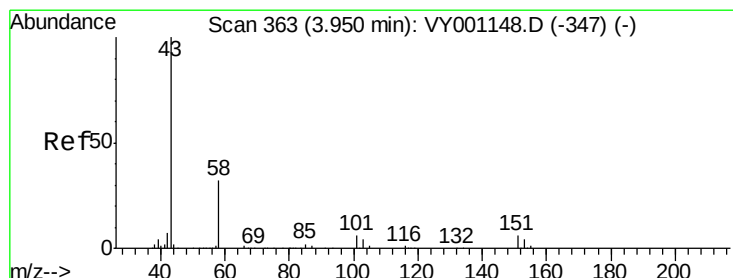
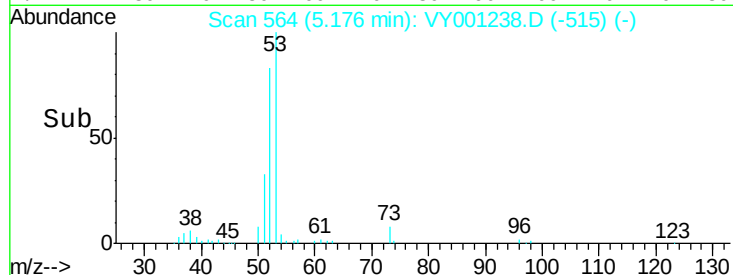
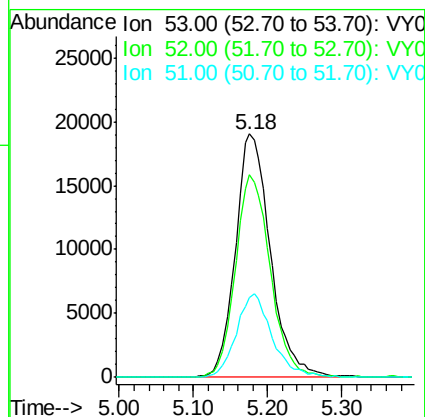
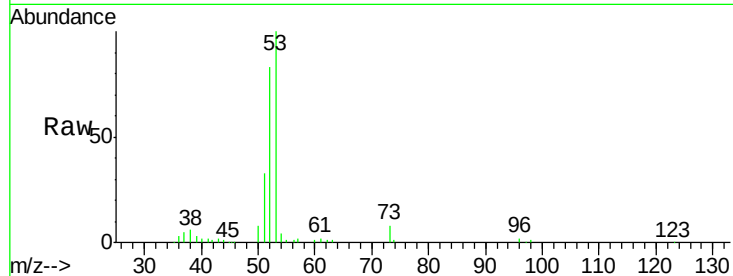
ClientSampleId :

VY0115SBS02

Tot Ion:	53	Resp:	62744
Ion	Ratio	Lower	Upper
53	100		
52	83.0	65.7	98.5
51	35.1	28.7	43.1

Manual Integrations
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#16

Acetone

Concen: 111.191 ug/l

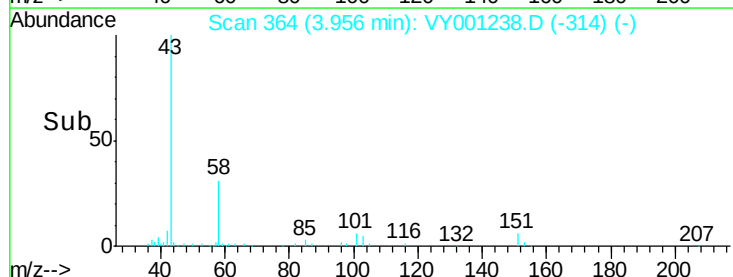
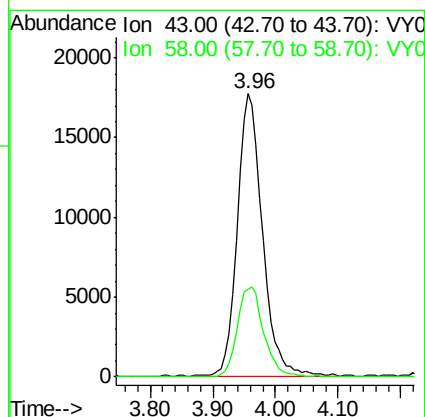
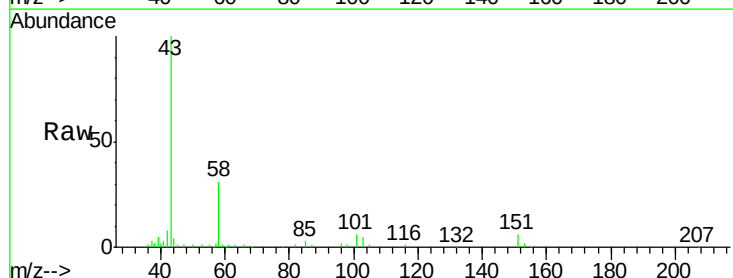
RT: 3.96 min Scan# 364

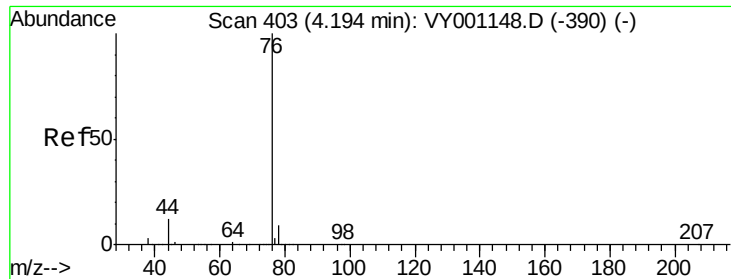
Delta R.T. 0.01 min

Lab File: VY001238.D

Acq: 15 Jan 2020 23:43

Tgt Ion:	43	Resp:	49683
Ion	Ratio	Lower	Upper
43	100		
58	30.7	25.8	38.6





#17

Carbon Disulfide

Concen: 20.698 ug/l

RT: 4.20 min Scan# 404

Delta R.T. 0.01 min

Lab File: VY001238.D

Acq: 15 Jan 2020 23:43

Instrument :

MSVOA_Y

ClientSampleId :

VY0115SBS02

Tot Ion: 76 Resp: 124754

Ion Ratio Lower Upper

76 100

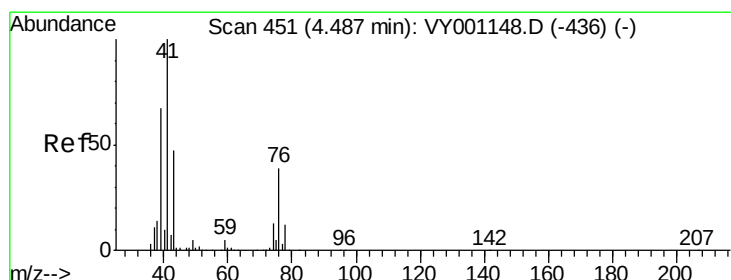
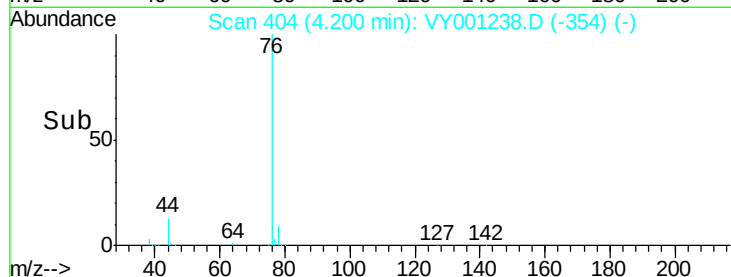
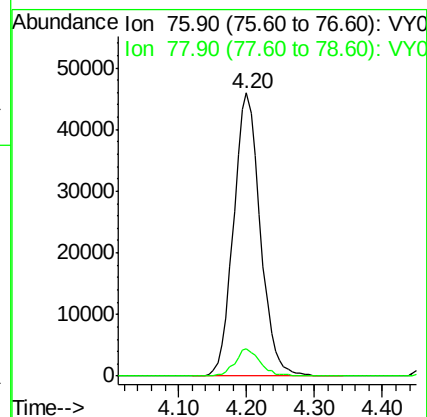
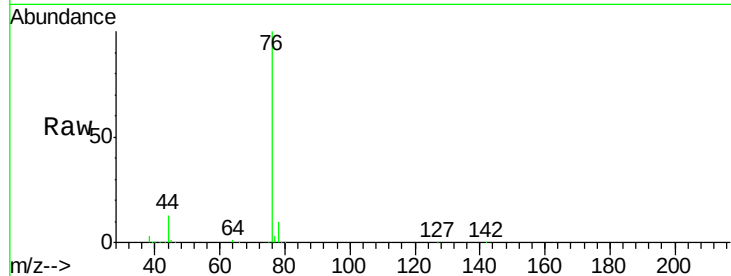
78 9.7 7.2 10.8

Manual Integrations

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#18

Methyl Acetate

Concen: 22.699 ug/l

RT: 4.49 min Scan# 451

Delta R.T. -0.00 min

Lab File: VY001238.D

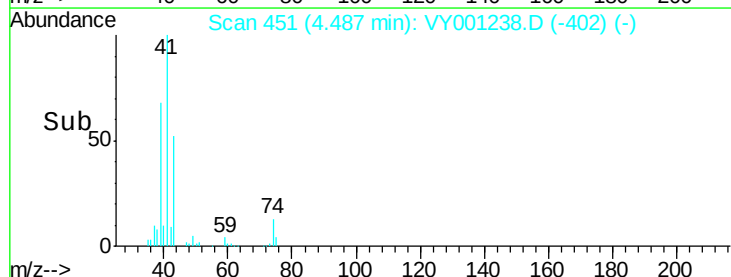
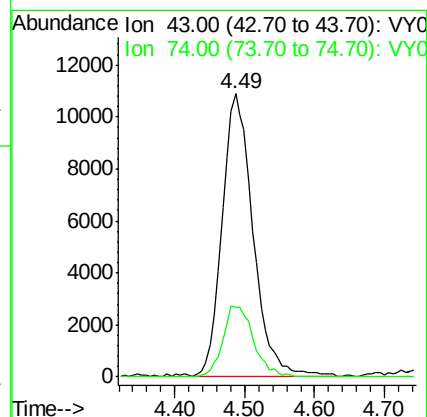
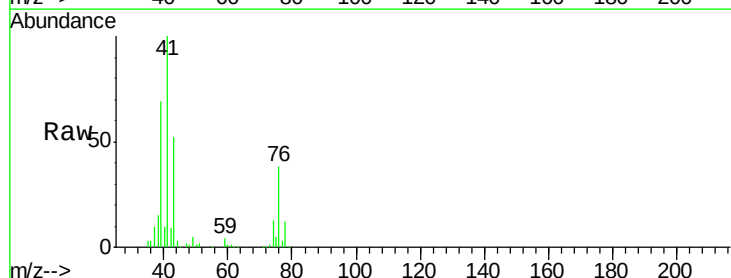
Acq: 15 Jan 2020 23:43

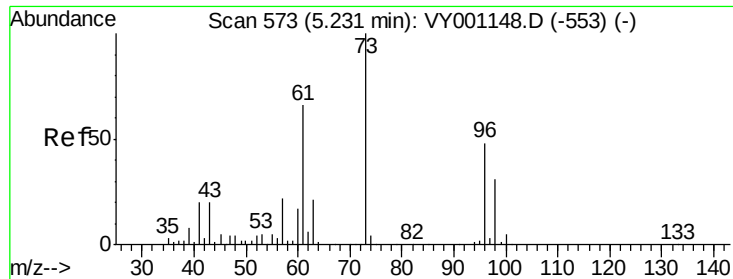
Tgt Ion: 43 Resp: 33533

Ion Ratio Lower Upper

43 100

74 24.7 20.2 30.2





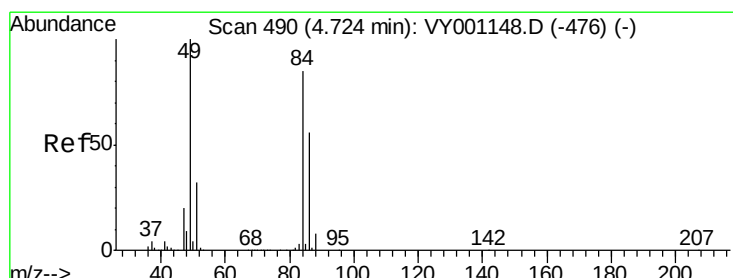
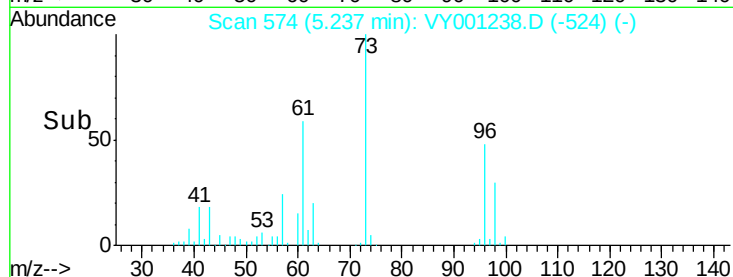
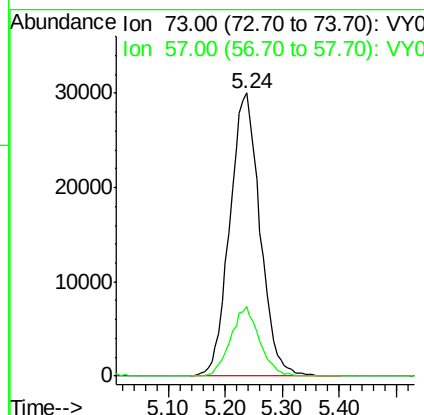
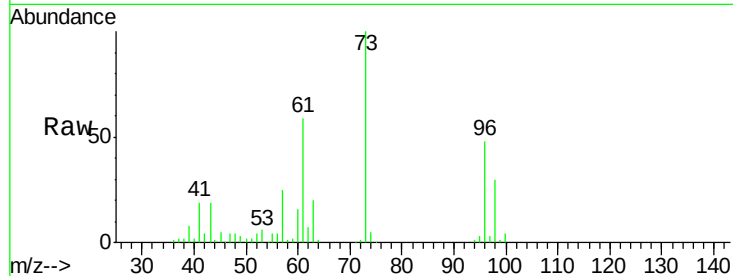
#19
Methyl tert-butyl Ether
Concen: 21.611 ug/l
RT: 5.24 min Scan# 574
Delta R.T. 0.01 min
Lab File: VY001238.D
Acq: 15 Jan 2020 23:43

Instrument :
MSVOA_Y
ClientSampleId :
VY0115SBS02

Tot Ion: 73 Resp: 111320
Ion Ratio Lower Upper
73 100
57 24.5 17.8 26.6

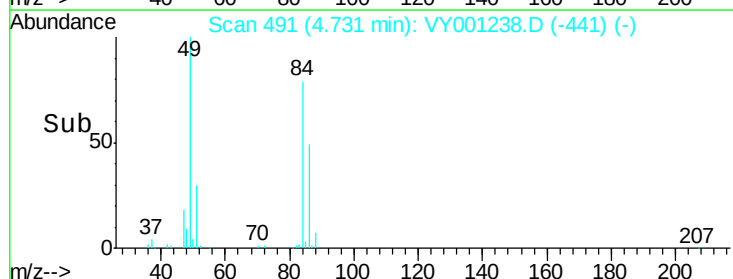
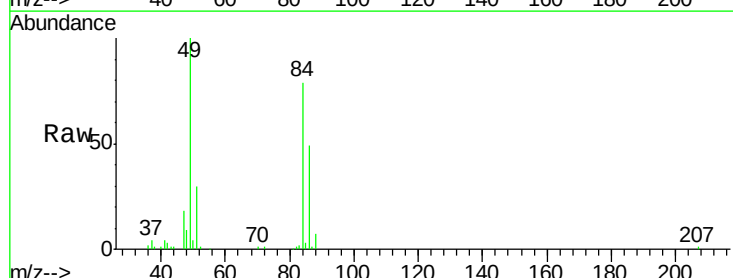
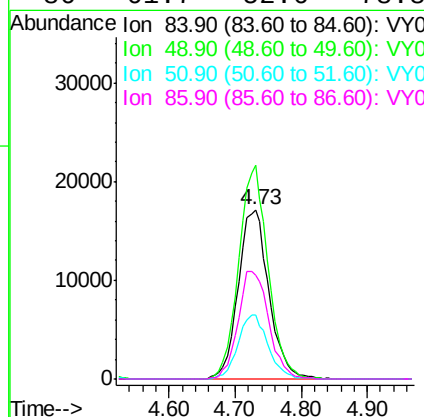
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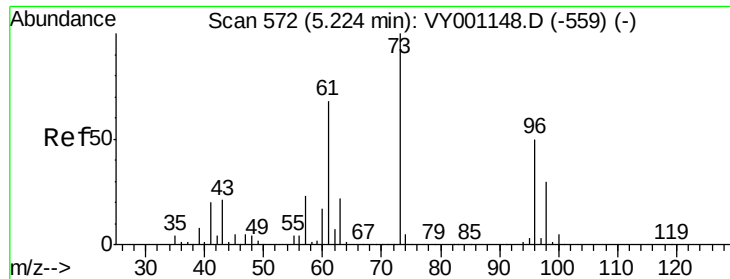
MMDadoda
1/16/2020 9:36:49 AM



#20
Methylene Chloride
Concen: 23.477 ug/l
RT: 4.73 min Scan# 491
Delta R.T. 0.01 min
Lab File: VY001238.D
Acq: 15 Jan 2020 23:43

Tgt Ion: 84 Resp: 54986
Ion Ratio Lower Upper
84 100
49 126.3 93.8 140.6
51 37.9 29.9 44.9
86 61.7 52.6 78.8





#21

trans-1,2-Dichloroethene

Concen: 21.556 ug/l

RT: 5.24 min Scan# 574

Delta R.T. 0.01 min

Lab File: VY001238.D

Acq: 15 Jan 2020 23:43

Instrument :

MSVOA_Y

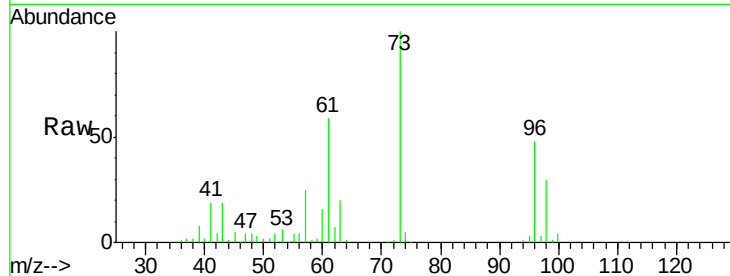
ClientSampleId :

VY0115SBS02

Tot Ion:	96	Resp:	45518
Ion	Ratio	Lower	Upper
96	100		
61	123.7	107.6	161.4
98	63.1	47.6	71.4

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1/16/2020 9:36:49 AM

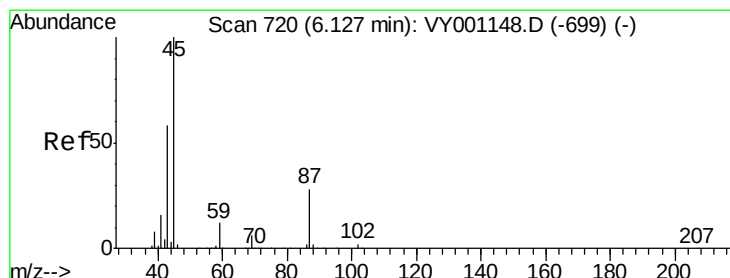
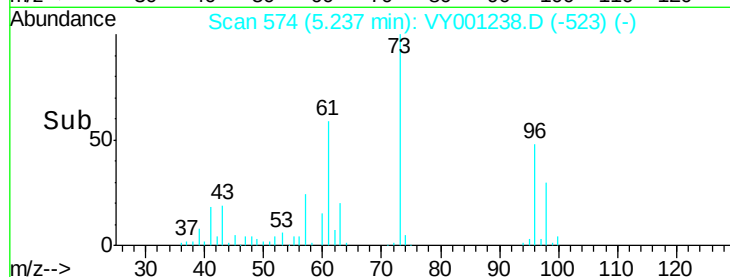
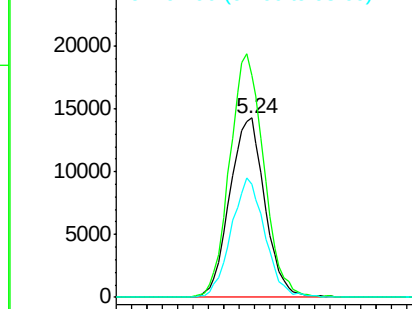


Abundance

Ion 95.90 (95.60 to 96.60): VY0

Ion 60.90 (60.60 to 61.60): VY0

Ion 97.90 (97.60 to 98.60): VY0



#22

Diisopropyl ether

Concen: 21.539 ug/l

RT: 6.13 min Scan# 721

Delta R.T. 0.01 min

Lab File: VY001238.D

Acq: 15 Jan 2020 23:43

Tgt Ion:	45	Resp:	138272
Ion	Ratio	Lower	Upper
45	100		
43	59.8	46.5	69.7
87	27.6	22.5	33.7
59	11.0	9.4	14.0

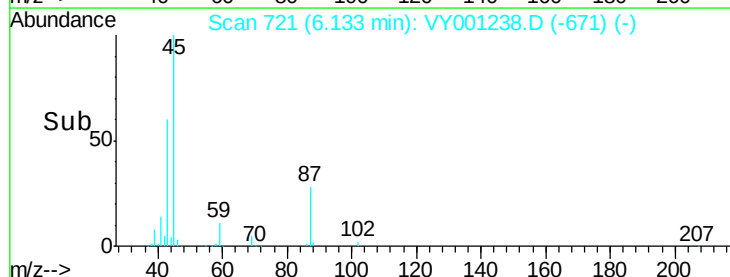
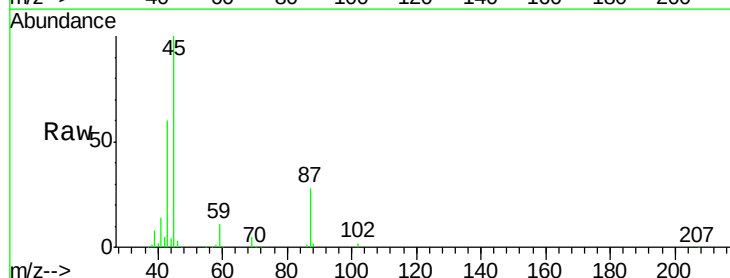
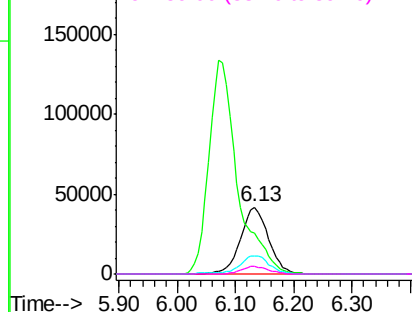
Abundance

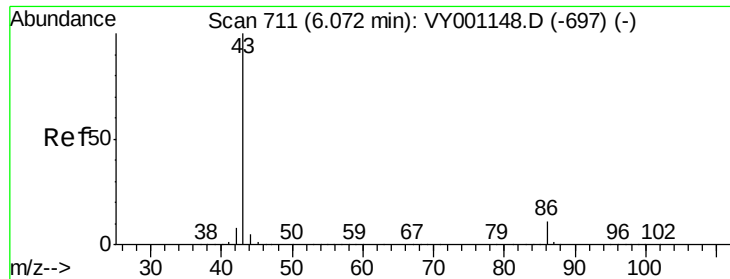
Ion 45.00 (44.70 to 45.70): VY0

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: 110.971 ug/l

RT: 6.07 min Scan# 711

Delta R.T. -0.00 min

Lab File: VY001238.D

Acq: 15 Jan 2020 23:43

Instrument :

MSVOA_Y

ClientSampleId :

VY0115SBS02

Tot Ion: 43 Resp: 455598

Ion Ratio Lower Upper

43 100

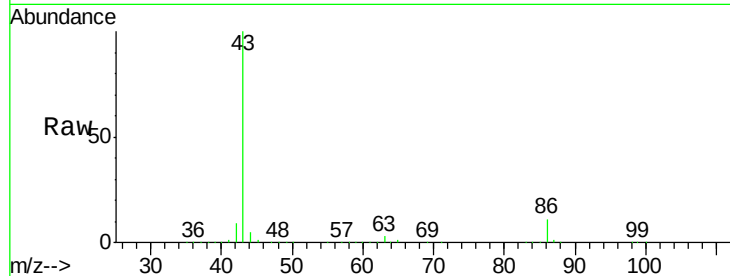
86 11.3 9.0 13.4

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

6.07

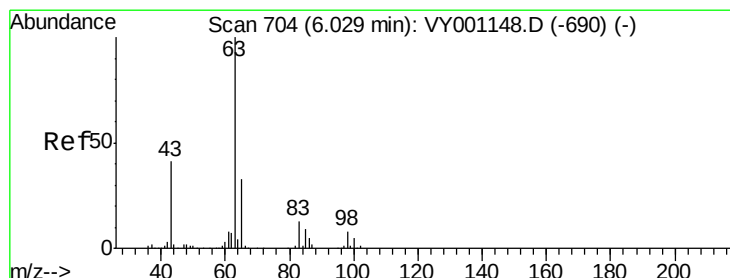
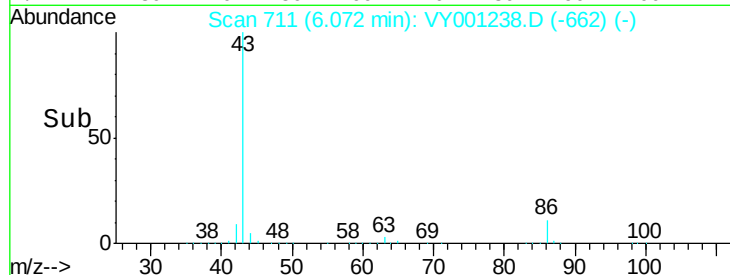
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 21.712 ug/l

RT: 6.03 min Scan# 704

Delta R.T. -0.00 min

Lab File: VY001238.D

Acq: 15 Jan 2020 23:43

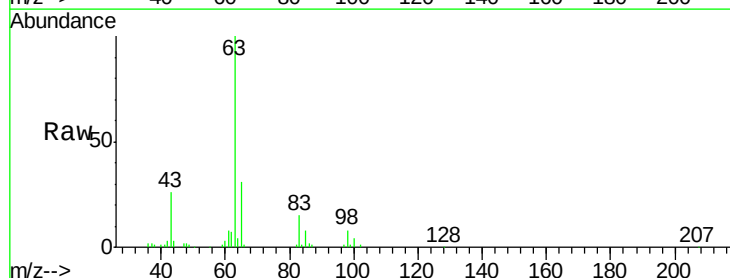
Tgt Ion: 63 Resp: 76306

Ion Ratio Lower Upper

63 100

98 7.9 3.9 11.7

100 4.4 2.4 7.2



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0

6.03

30000

25000

20000

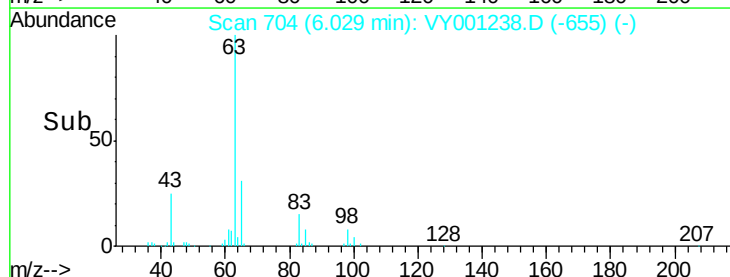
15000

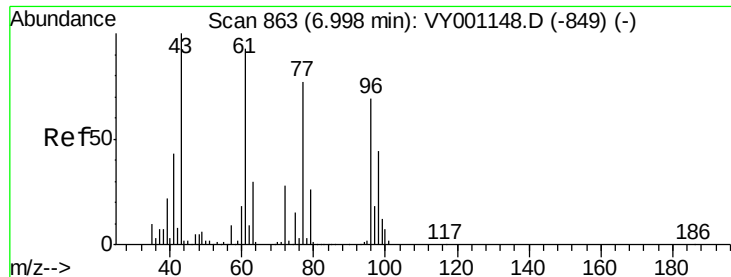
10000

5000

0

Time-->





#25

2-Butanone

Concen: 118.851 ug/l

RT: 7.00 min Scan# 864

Delta R.T. 0.01 min

Lab File: VY001238.D

Acq: 15 Jan 2020 23:43

Instrument :

MSVOA_Y

ClientSampleId :

VY0115SBS02

Tot Ion: 43 Resp: 82651

Ion Ratio Lower Upper

43 100

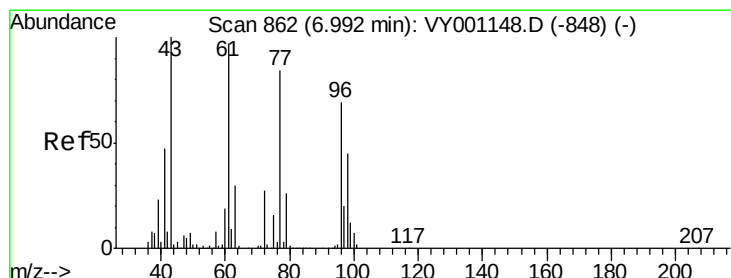
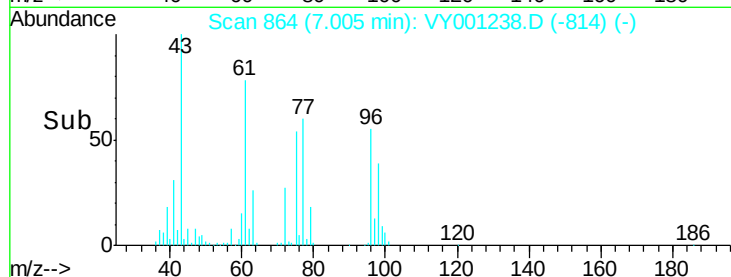
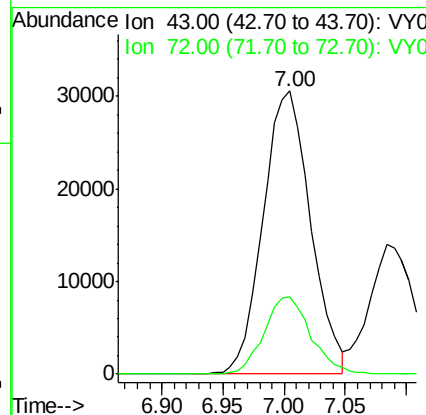
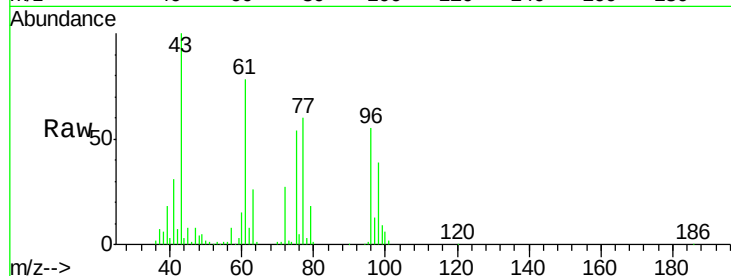
72 27.3 22.2 33.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 19.139 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.00 min

Lab File: VY001238.D

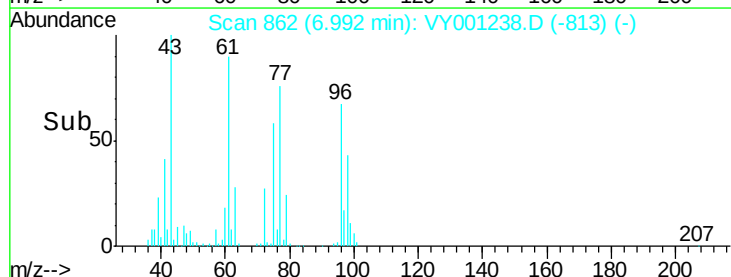
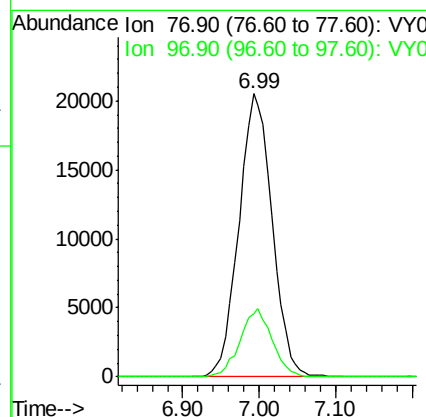
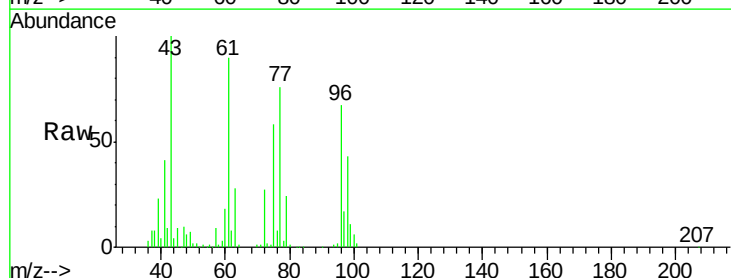
Acq: 15 Jan 2020 23:43

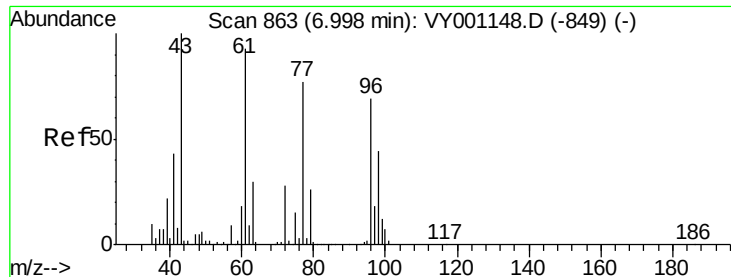
Tgt Ion: 77 Resp: 61852

Ion Ratio Lower Upper

77 100

97 23.2 11.9 35.7





#27

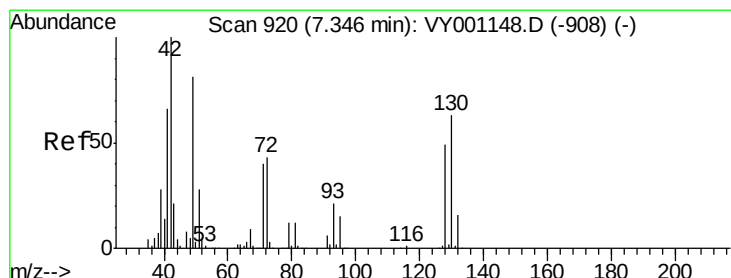
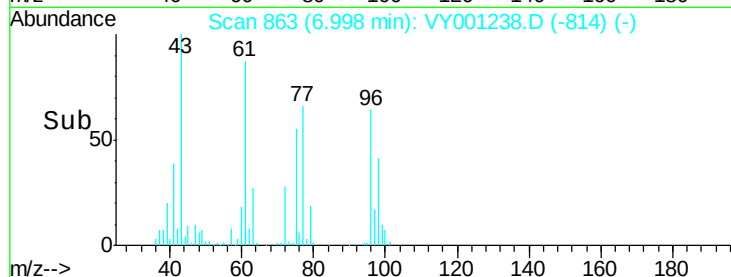
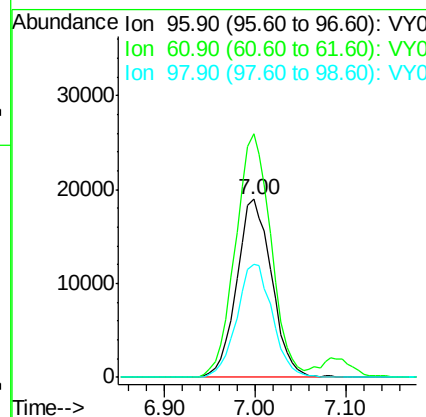
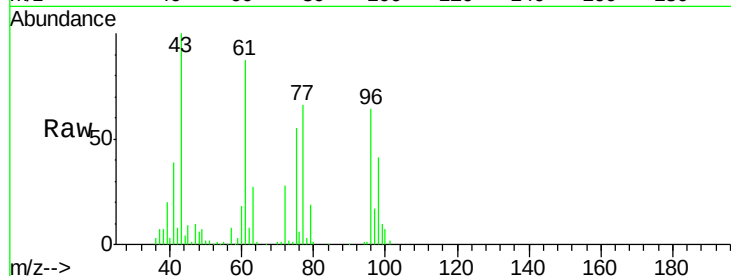
cis-1,2-Dichloroethene
Concen: 21.983 ug/l
RT: 7.00 min Scan# 863
Delta R.T. -0.00 min
Lab File: VY001238.D
Acq: 15 Jan 2020 23:43

Instrument :
MSVOA_Y
ClientSampleId :
VY0115SBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	138.3	0.0	284.0
98	64.3	0.0	130.2

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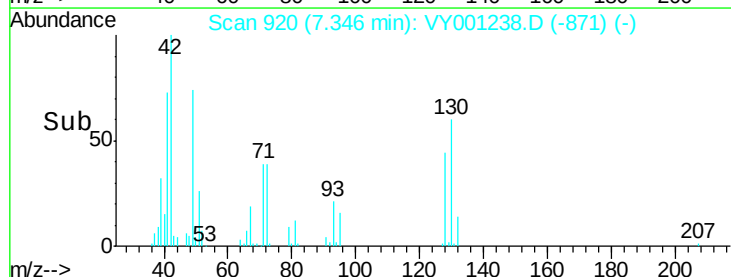
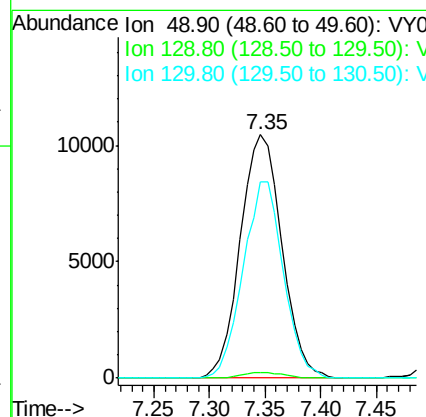
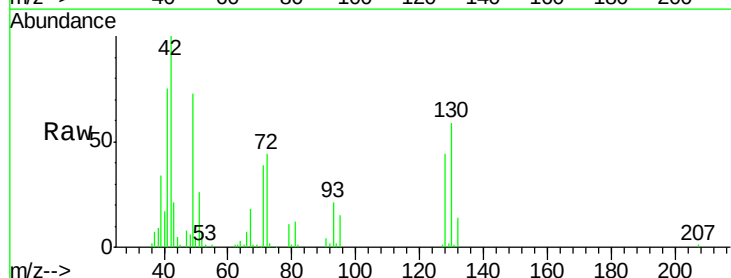
MMDadoda
1/16/2020 9:36:49 AM

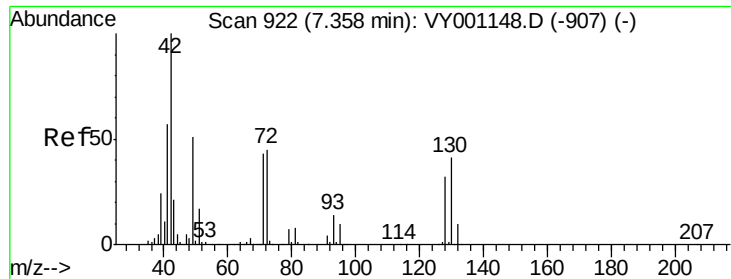


#28

Bromochloromethane
Concen: 18.818 ug/l
RT: 7.35 min Scan# 920
Delta R.T. -0.00 min
Lab File: VY001238.D
Acq: 15 Jan 2020 23:43

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.4
130	78.2	61.2	91.8





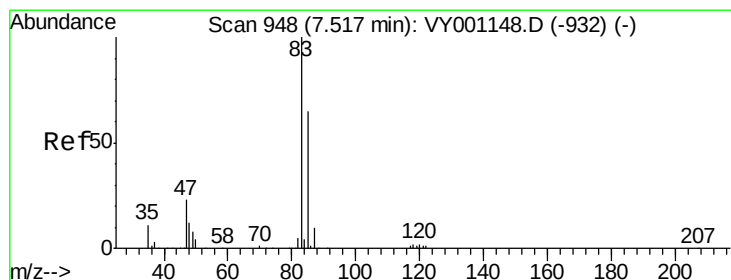
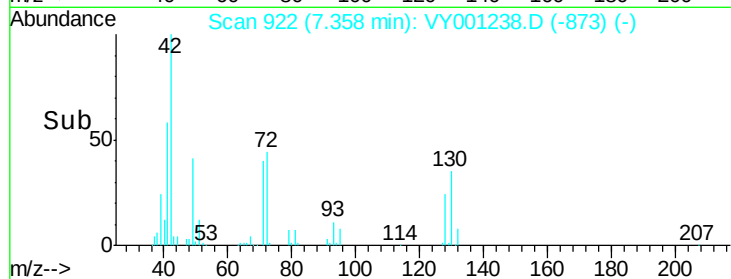
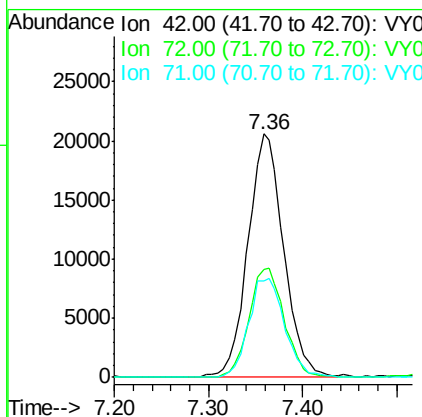
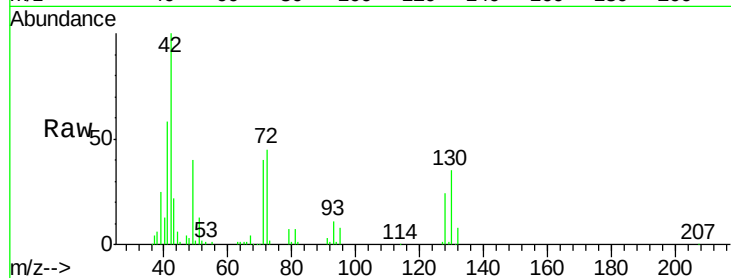
#29
Tetrahydrofuran
Concen: 114.833 ug/l
RT: 7.36 min Scan# 922
Delta R.T. -0.00 min
Lab File: VY001238.D
Acq: 15 Jan 2020 23:43

Instrument :
MSVOA_Y
ClientSampleId :
VY0115SBSD02

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.2	36.9	55.3
71	41.0	34.0	51.0

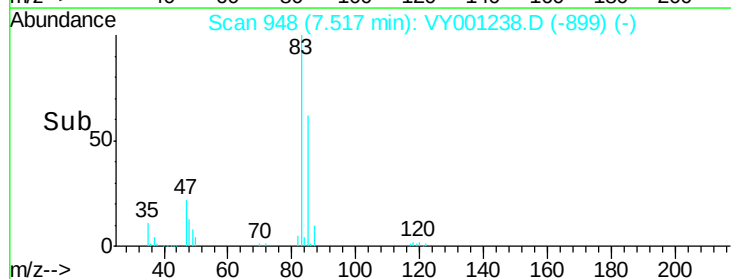
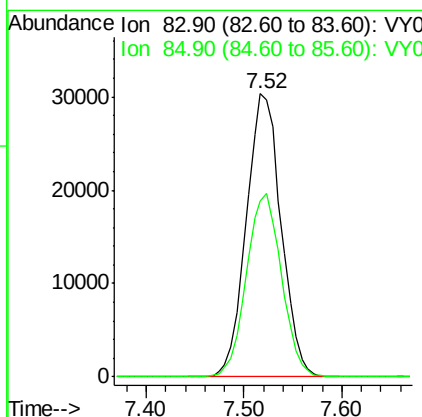
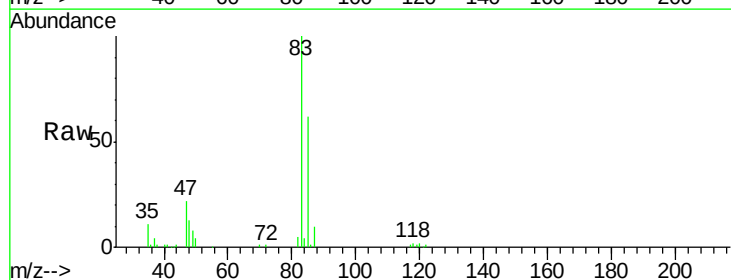
Manual Integrations
APPROVED

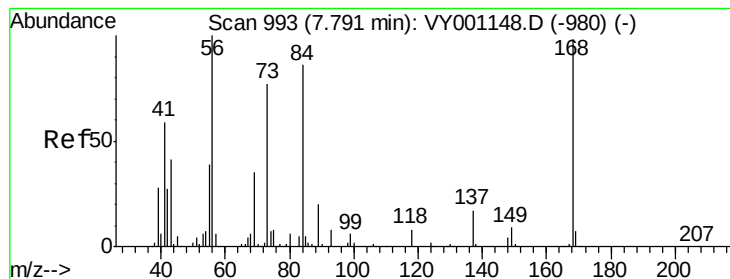
MMDadoda
1/16/2020 9:36:49 AM



#30
Chloroform
Concen: 21.723 ug/l
RT: 7.52 min Scan# 948
Delta R.T. -0.00 min
Lab File: VY001238.D
Acq: 15 Jan 2020 23:43

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.0	51.9	77.9





#31

Cyclohexane

Concen: 20.100 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.00 min

Lab File: VY001238.D

Acq: 15 Jan 2020 23:43

Instrument :

MSVOA_Y

ClientSampleId :

VY0115SBS02

Tot Ion: 56 Resp: 74794

Ion Ratio Lower Upper

56 100

69 35.4 27.8 41.8

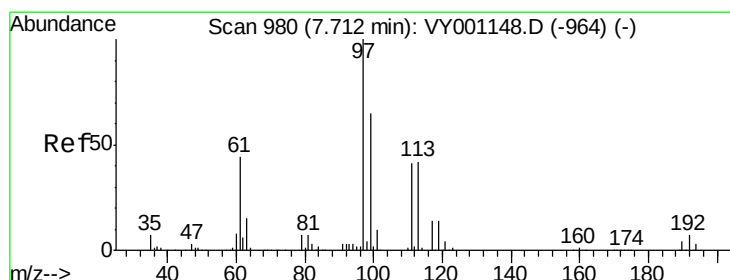
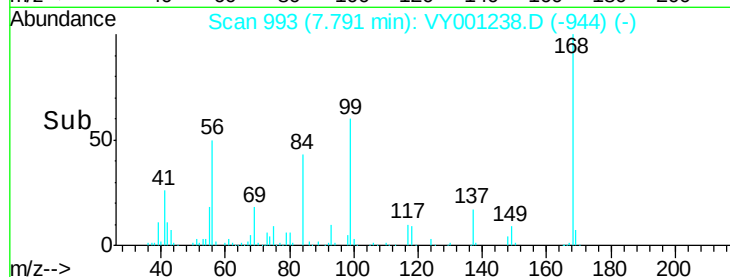
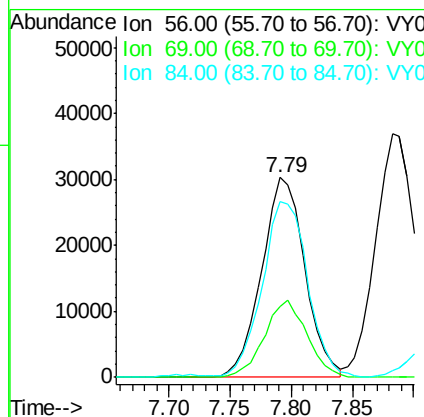
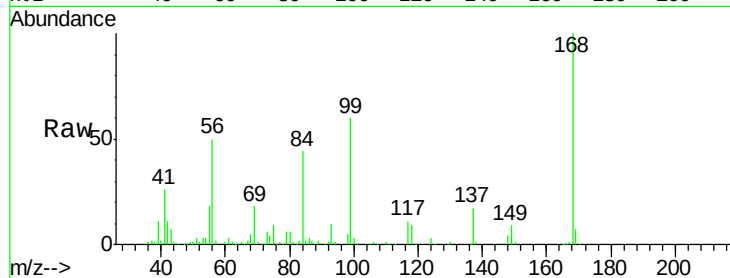
84 86.6 68.9 103.3

Manual Integrations

APPROVED

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#32

1,1,1-Trichloroethane

Concen: 20.545 ug/l

RT: 7.71 min Scan# 980

Delta R.T. -0.00 min

Lab File: VY001238.D

Acq: 15 Jan 2020 23:43

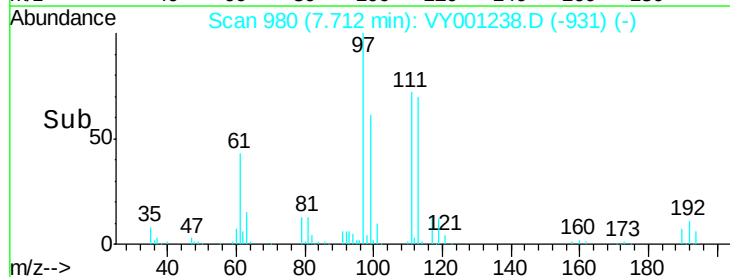
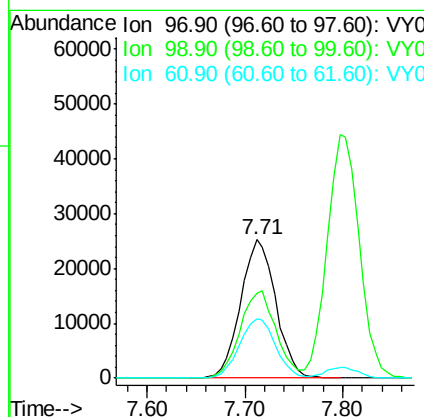
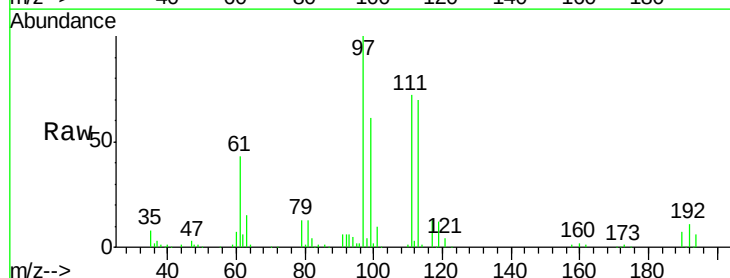
Tgt Ion: 97 Resp: 62772

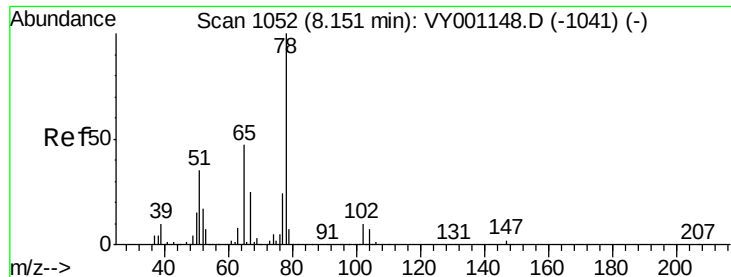
Ion Ratio Lower Upper

97 100

99 64.3 51.3 76.9

61 44.3 34.6 52.0





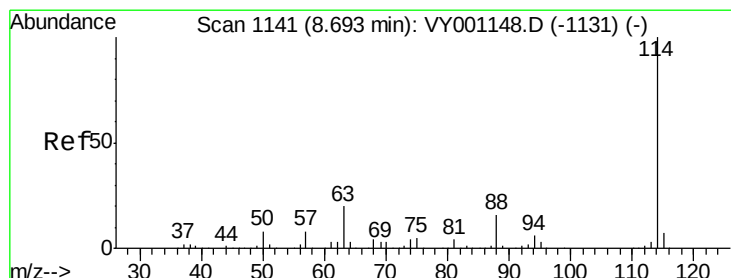
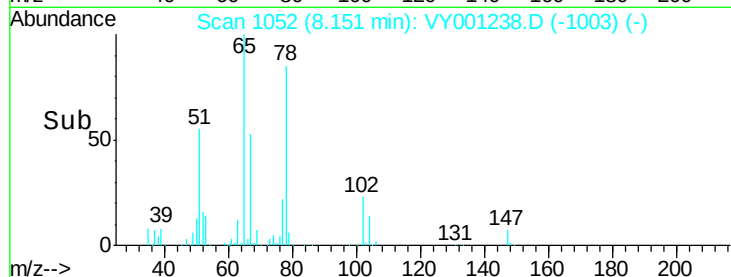
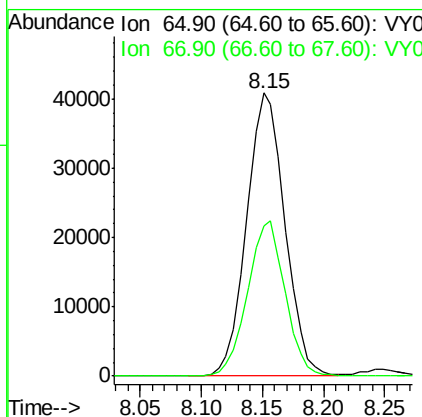
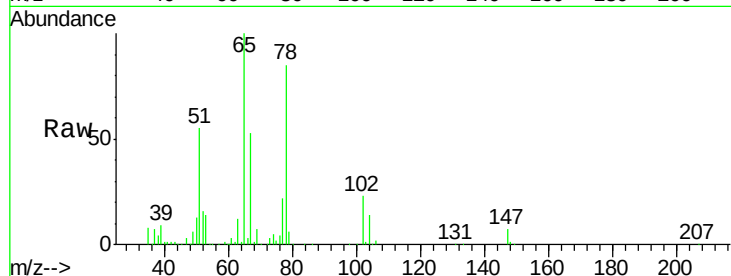
#33
 1,2-Dichloroethane-d4
 Concen: 46.142 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. -0.00 min
 Lab File: VY001238.D
 Acq: 15 Jan 2020 23:43

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0115SBS02

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.8	0.0	105.2

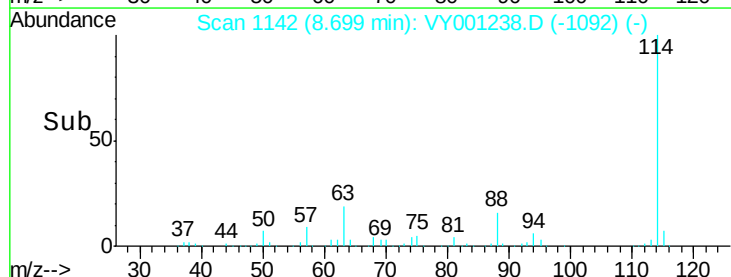
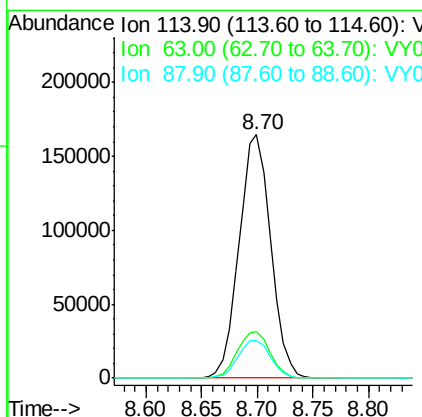
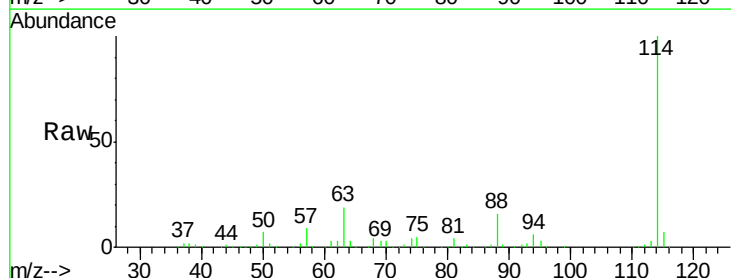
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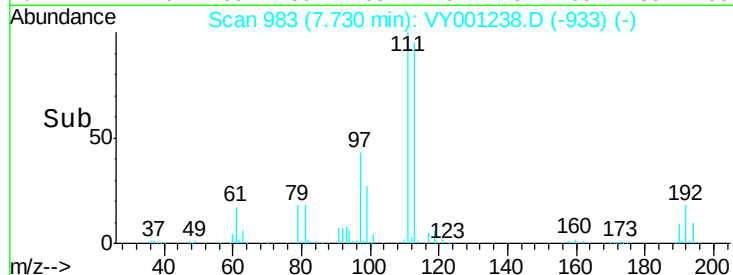
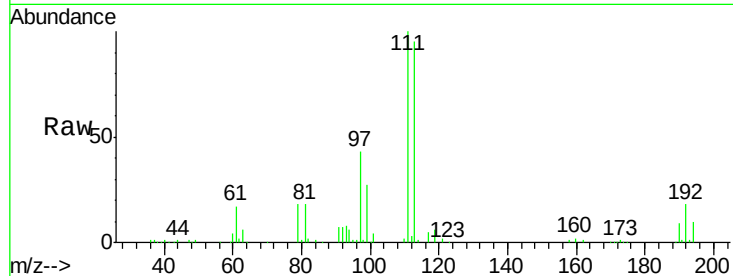
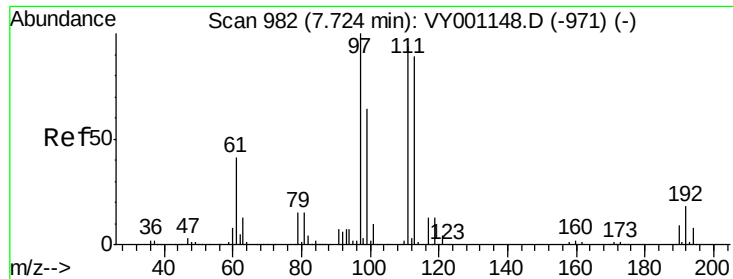
MMDadoda
 1/16/2020 9:36:49 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. 0.01 min
 Lab File: VY001238.D
 Acq: 15 Jan 2020 23:43

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.2	0.0	40.8
88	15.6	0.0	32.4





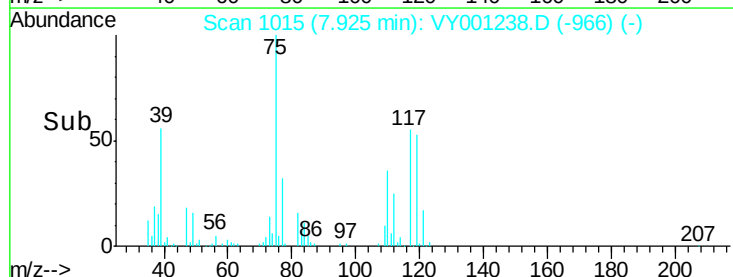
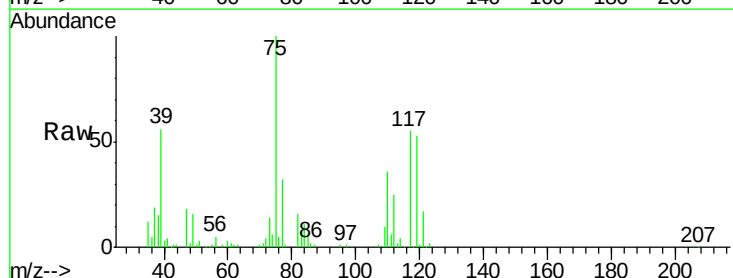
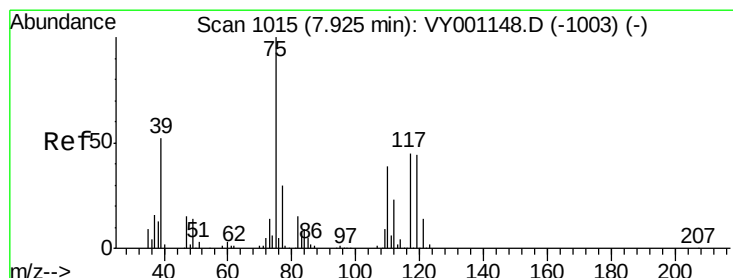
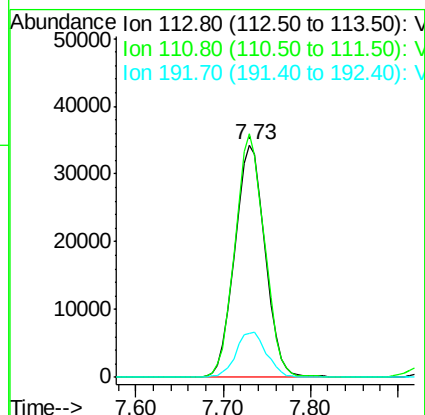
#35
Dibromofluoromethane
Concen: 43.406 ug/l
RT: 7.73 min Scan# 983
Delta R.T. 0.01 min
Lab File: VY001238.D
Acq: 15 Jan 2020 23:43

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.3	82.9	124.3	
192	19.8	15.4	23.2	

Instrument :
MSVOA_Y
ClientSampleId :
VY0115SBS02

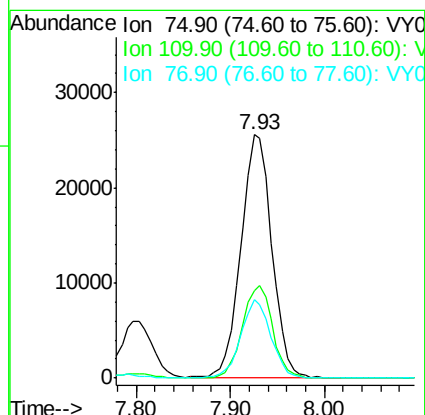
Manual Integrations
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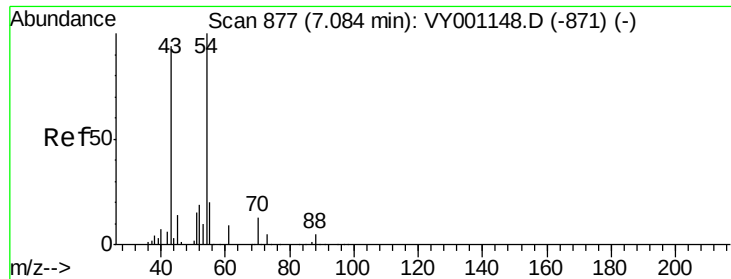
MMDadoda
1/16/2020 9:36:49 AM



#36
1,1-Dichloropropene
Concen: 19.861 ug/l
RT: 7.93 min Scan# 1015
Delta R.T. -0.00 min
Lab File: VY001238.D
Acq: 15 Jan 2020 23:43

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	37.2	18.3	54.8	
77	31.2	25.1	37.7	





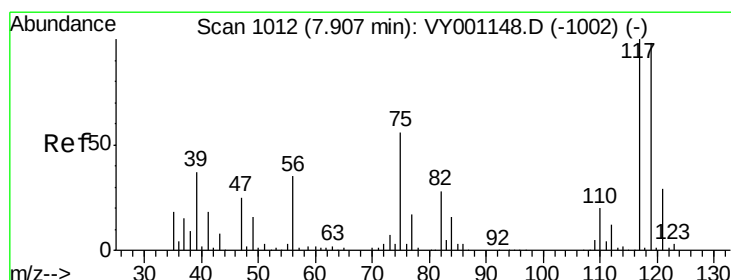
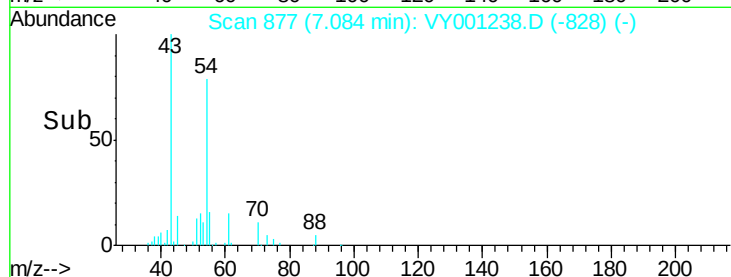
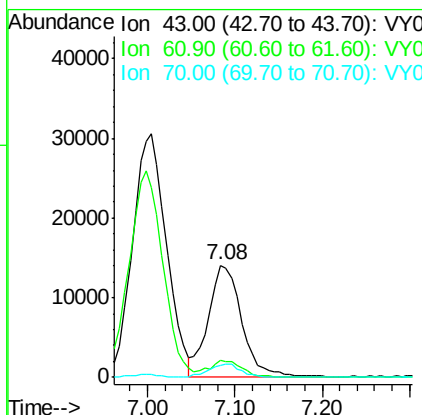
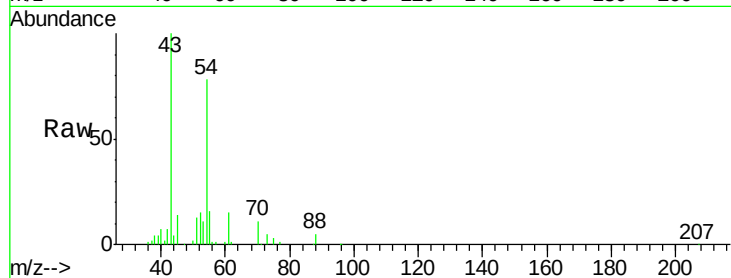
#37
Ethyl Acetate
Concen: 21.481 ug/l
RT: 7.08 min Scan# 877
Delta R.T. -0.00 min
Lab File: VY001238.D
Acq: 15 Jan 2020 23:43

Instrument :
MSVOA_Y
ClientSampleId :
VY0115SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.0	11.1	16.7
70	11.2	9.7	14.5

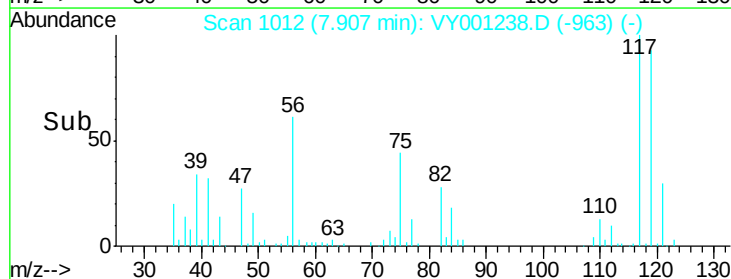
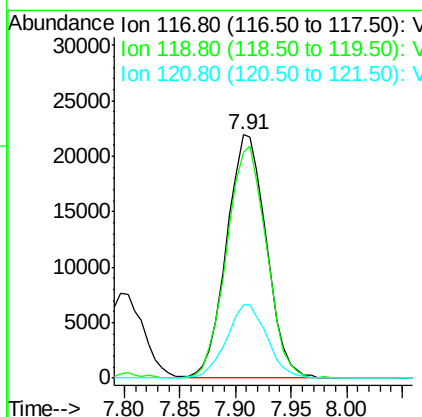
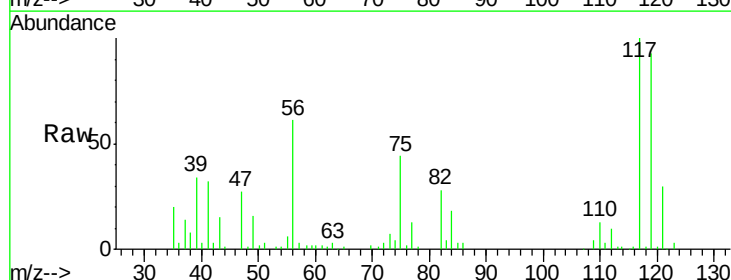
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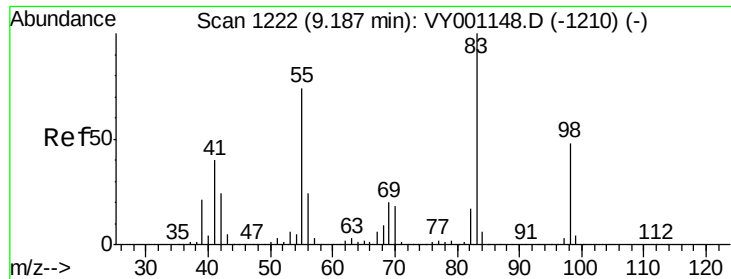
MMDadoda
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#38
Carbon Tetrachloride
Concen: 20.001 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VY001238.D
Acq: 15 Jan 2020 23:43

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.9	78.3	117.5
121	30.0	23.5	35.3





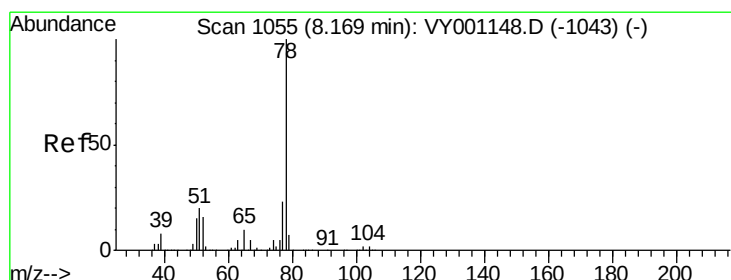
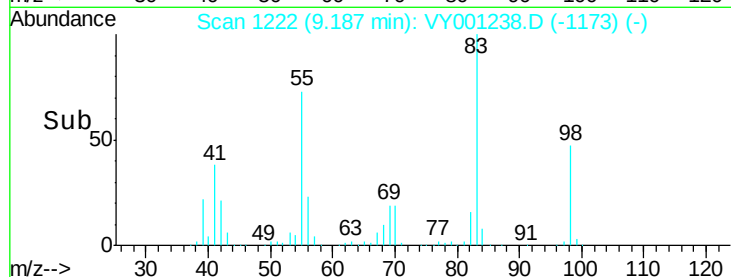
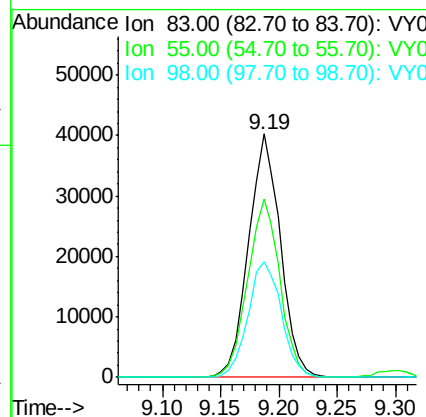
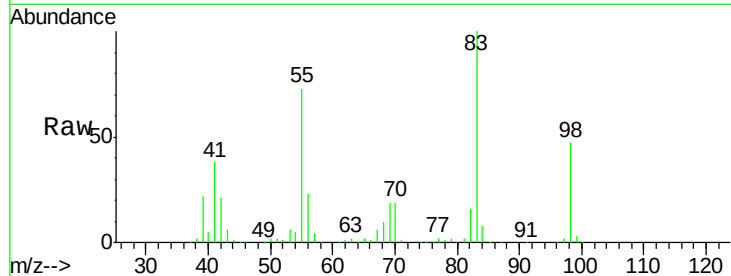
#39
Methylvlcyclohexane
Concen: 19.154 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.00 min
Lab File: VY001238.D
Acq: 15 Jan 2020 23:43

Instrument :
MSVOA_Y
ClientSampleId :
VY0115SBS02

Tot Ion	83	Resp	76913
Ion Ratio	100	Lower	Upper
83	100		
55	73.3	58.9	88.3
98	47.5	38.4	57.6

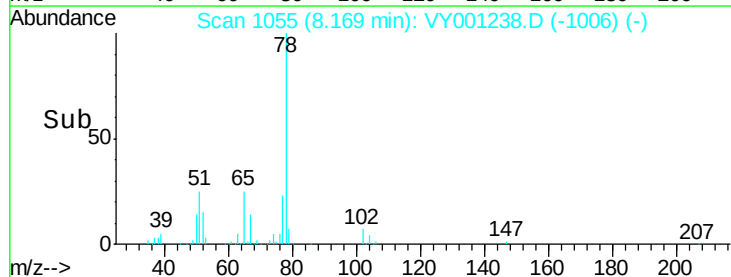
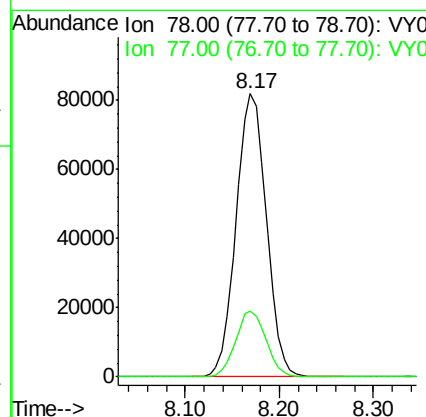
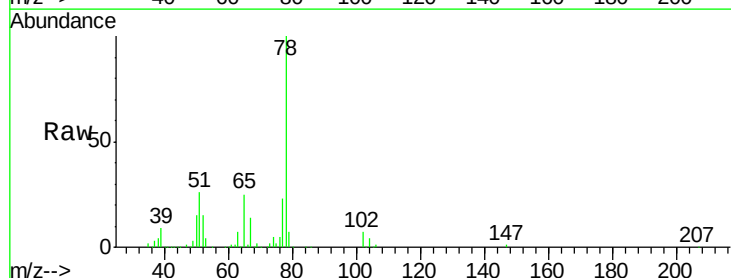
Manual Integrations
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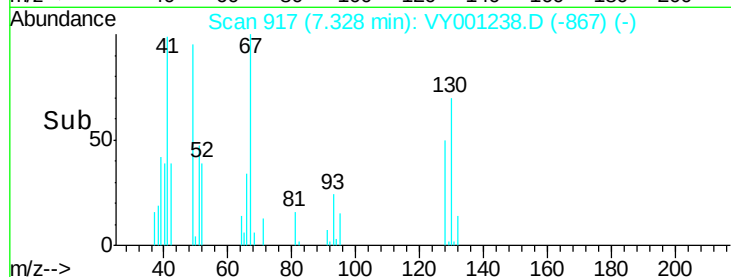
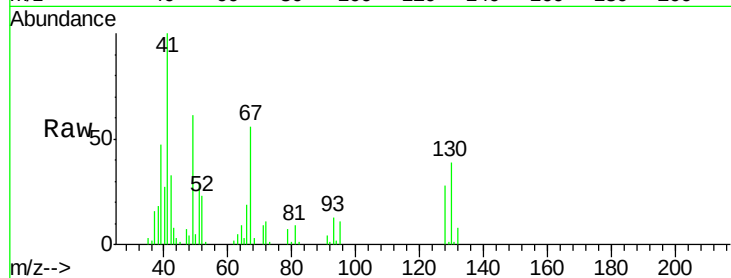
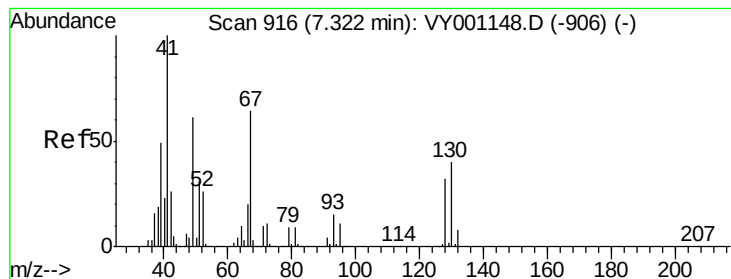
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#40
Benzene
Concen: 21.231 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. -0.00 min
Lab File: VY001238.D
Acq: 15 Jan 2020 23:43

Tgt Ion	78	Resp	183567
Ion Ratio	100	Lower	Upper
78	100		
77	23.3	18.8	28.2





#41

Methacrylonitrile

Concen: 23.962 ug/l m

RT: 7.33 min Scan# 917

Delta R.T. 0.01 min

Lab File: VY001238.D

Acq: 15 Jan 2020 23:43

Tot Ion	41	Resp:	19566
Ion Ratio	Lower	Upper	
41	100		
39	0.0	103.5	155.3#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

Instrument :

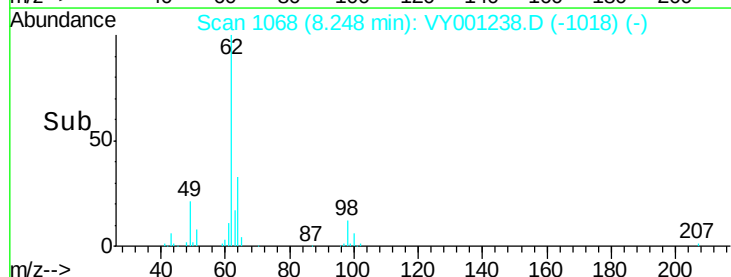
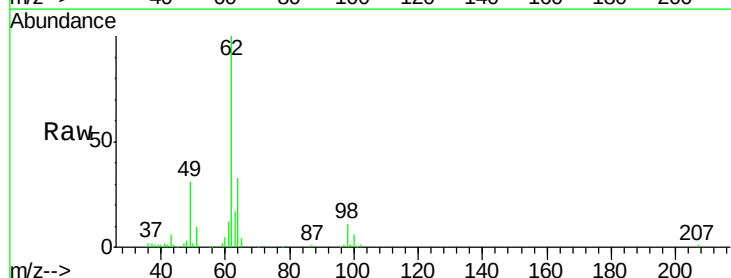
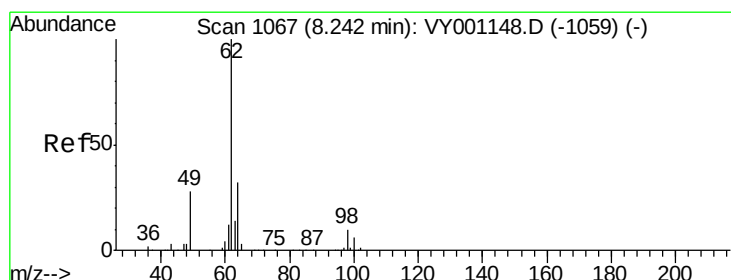
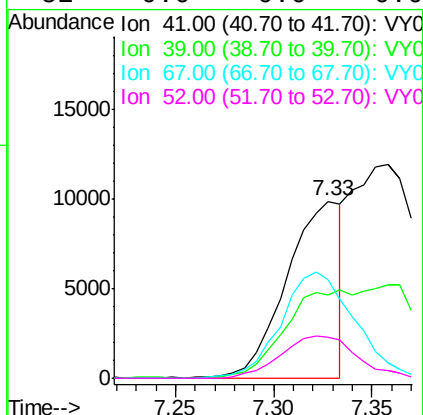
MSVOA_Y

ClientSampleId :

VY0115SBS02

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 20.951 ug/l

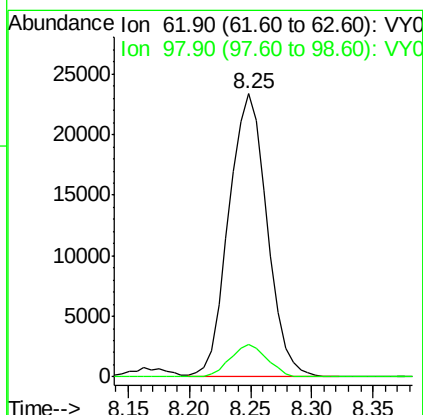
RT: 8.25 min Scan# 1068

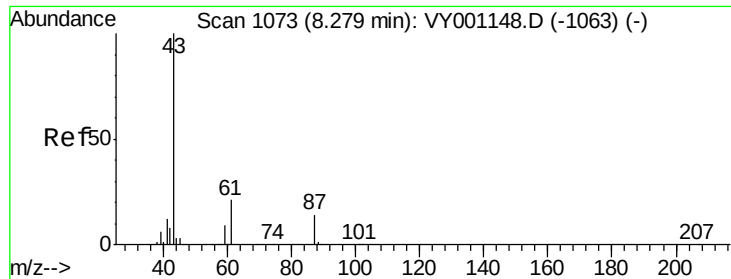
Delta R.T. 0.01 min

Lab File: VY001238.D

Acq: 15 Jan 2020 23:43

Tgt Ion	62	Resp:	50723
Ion Ratio	Lower	Upper	
62	100		
98	11.1	0.0	20.4





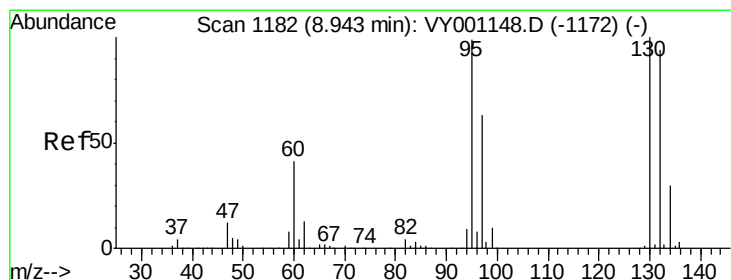
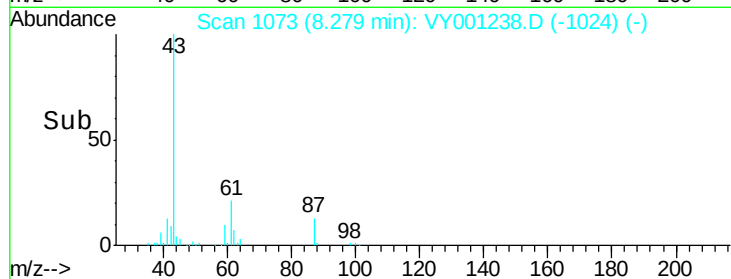
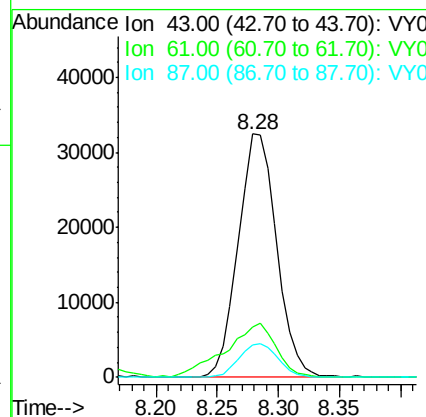
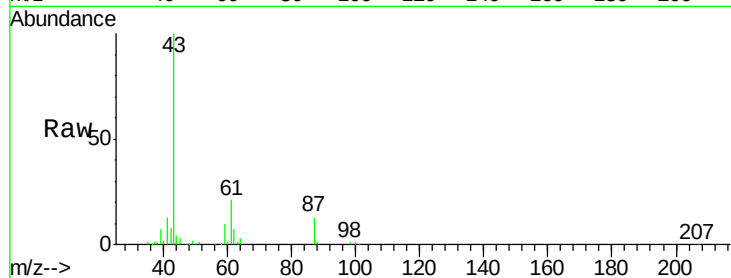
#43
Isopropyl Acetate
Concen: 21.162 ug/l
RT: 8.28 min Scan# 1073
Delta R.T. -0.00 min
Lab File: VY001238.D
Acq: 15 Jan 2020 23:43

Instrument :
MSVOA_Y
ClientSampleId :
VY0115SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.5	23.9	35.9
87	14.2	11.4	17.2

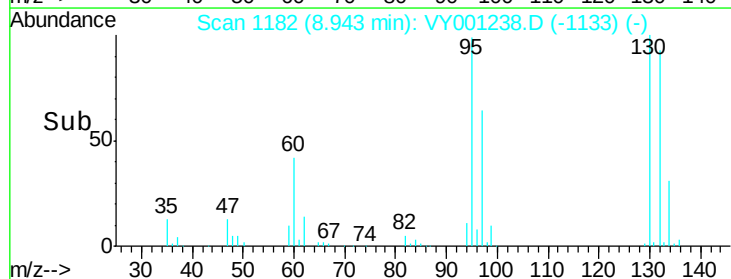
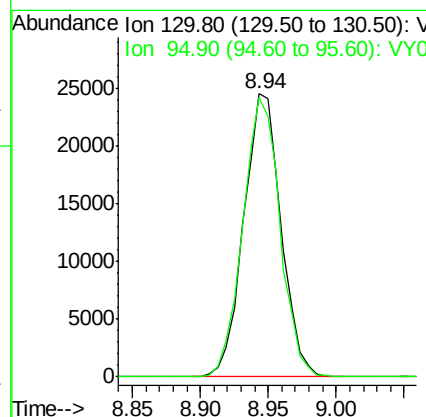
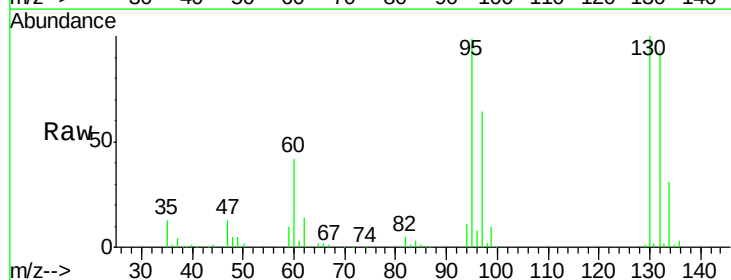
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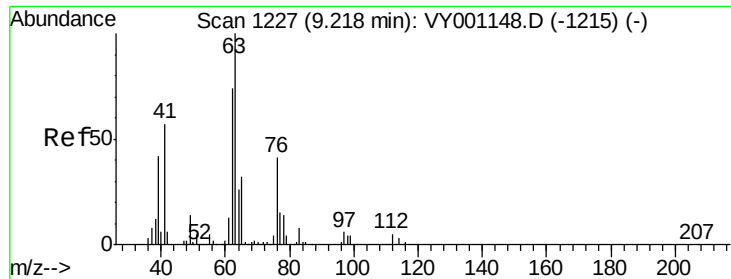
MMDadoda
1/16/2020 9:36:49 AM



#44
Trichloroethene
Concen: 20.883 ug/l
RT: 8.94 min Scan# 1182
Delta R.T. -0.00 min
Lab File: VY001238.D
Acq: 15 Jan 2020 23:43

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.9	0.0	197.6





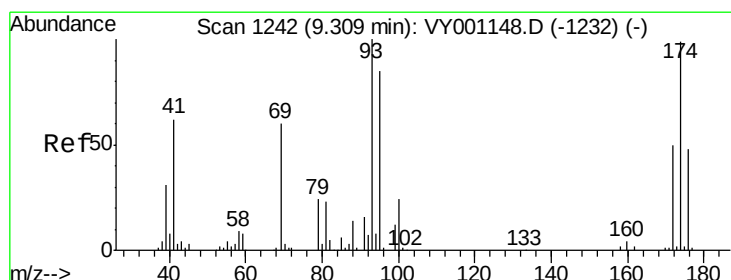
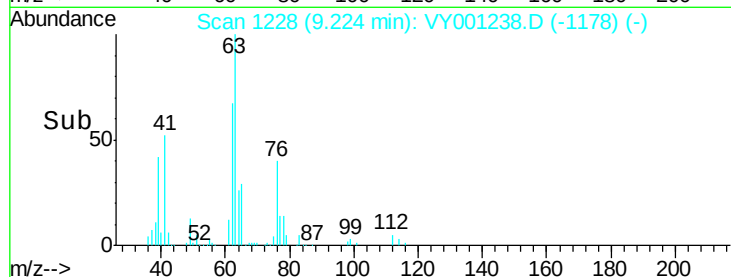
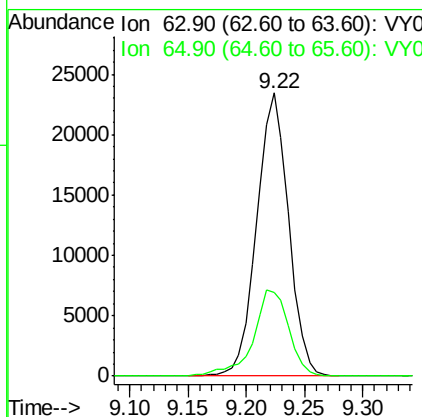
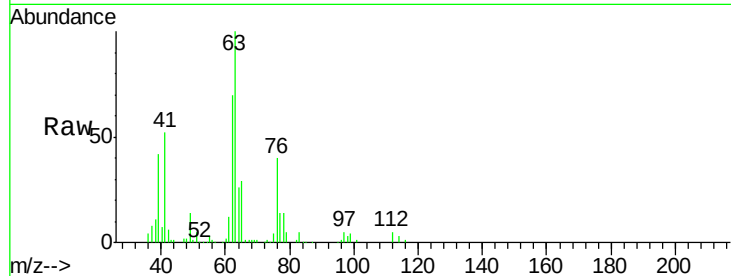
#45
 1,2-Dichloropropane
 Concen: 20.927 ug/l
 RT: 9.22 min Scan# 1228
 Delta R.T. 0.01 min
 Lab File: VY001238.D
 Acq: 15 Jan 2020 23:43

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0115SBS02

Tot Ion: 63 Resp: 44730
 Ion Ratio Lower Upper
 63 100
 65 29.4 25.8 38.8

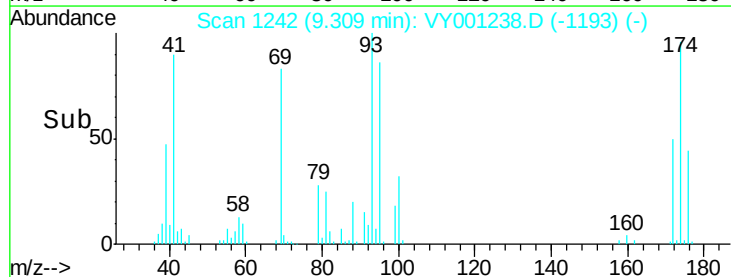
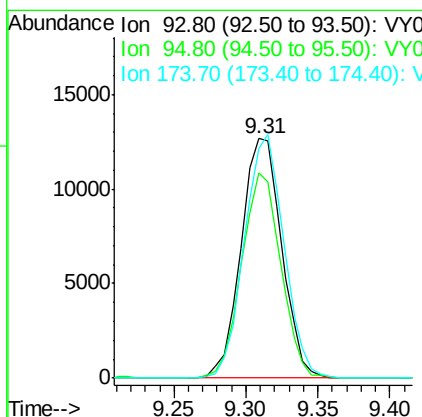
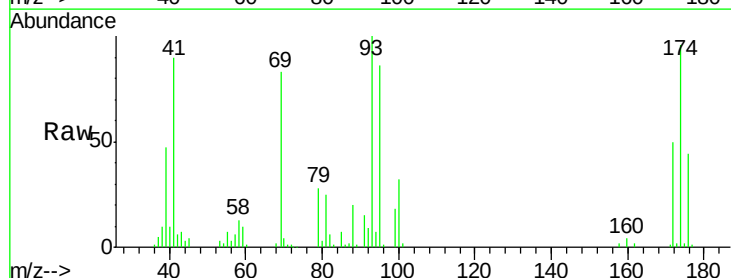
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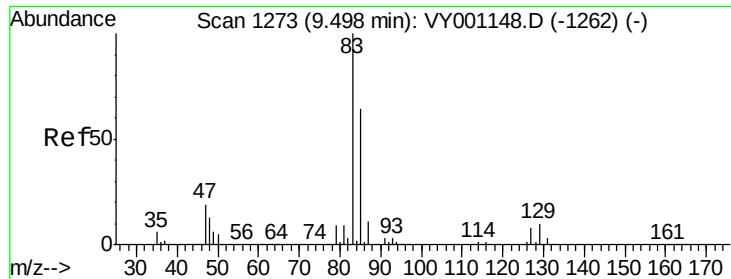
MMDadoda
 1/16/2020 9:36:49 AM



#46
 Dibromomethane
 Concen: 21.181 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. -0.00 min
 Lab File: VY001238.D
 Acq: 15 Jan 2020 23:43

Tgt Ion: 93 Resp: 24702
 Ion Ratio Lower Upper
 93 100
 95 82.9 66.8 100.2
 174 98.8 78.4 117.6





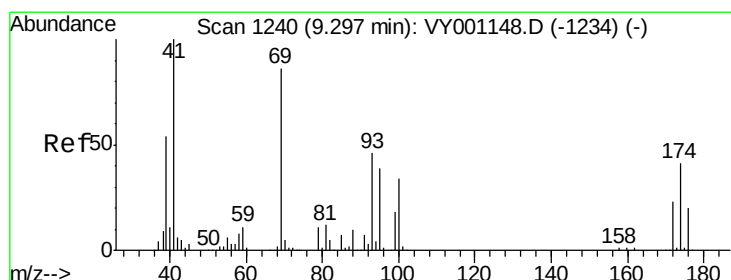
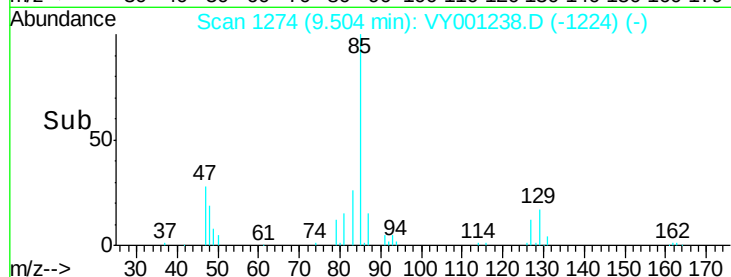
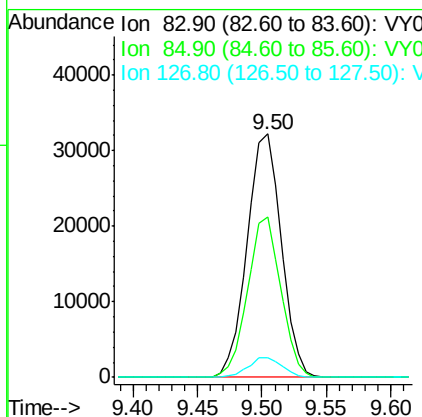
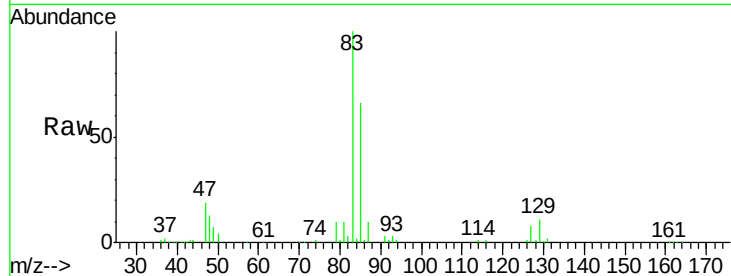
#47
Bromodichloromethane
Concen: 20.793 ug/l
RT: 9.50 min Scan# 1274
Delta R.T. 0.01 min
Lab File: VY001238.D
Acq: 15 Jan 2020 23:43

Instrument :
MSVOA_Y
ClientSampleId :
VY0115SBS02

Tot Ion	Ratio	Resp	Lower	Upper
83	100	59099		
85	65.8		51.5	77.3
127	8.2		6.3	9.5

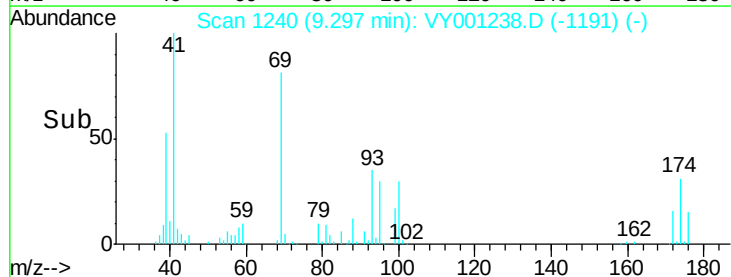
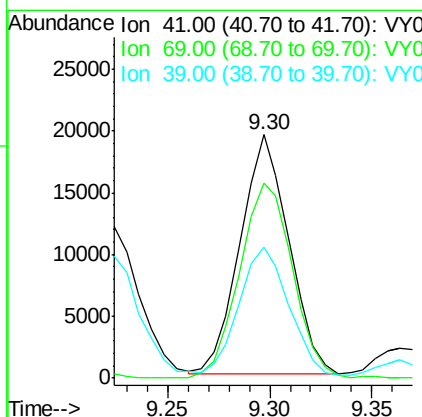
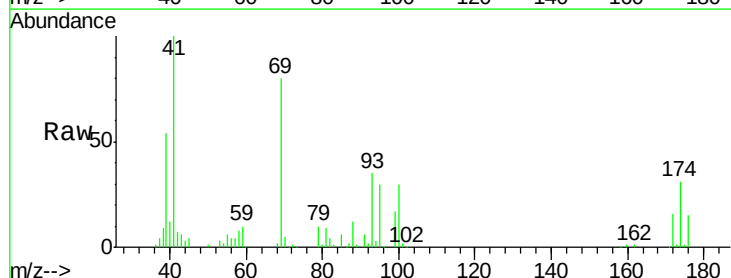
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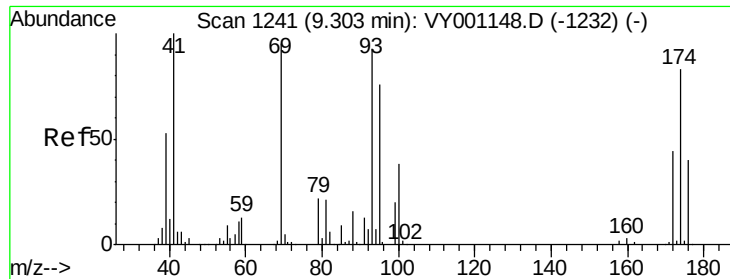
MMDadoda
1/16/2020 9:36:49 AM



#48
Methyl methacrylate
Concen: 20.905 ug/l
RT: 9.30 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VY001238.D
Acq: 15 Jan 2020 23:43

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	32156		
69	88.6		69.8	104.8
39	57.4		45.2	67.8





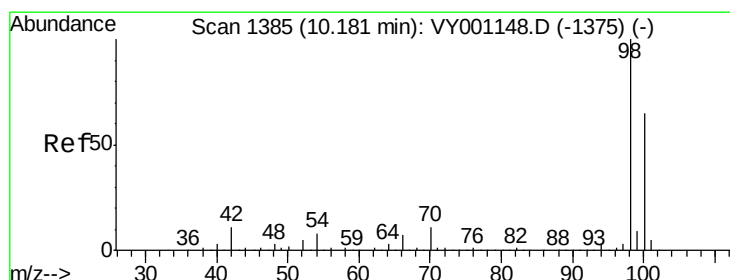
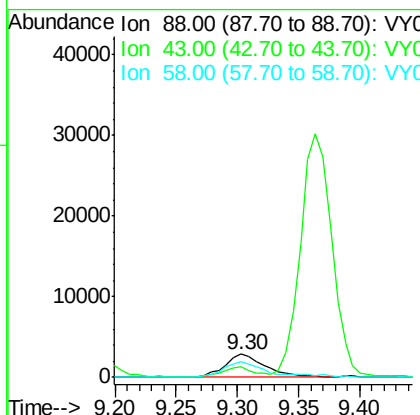
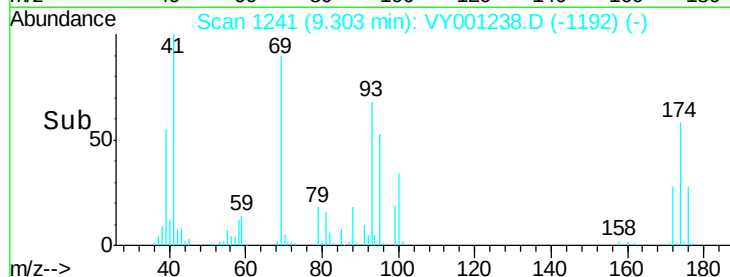
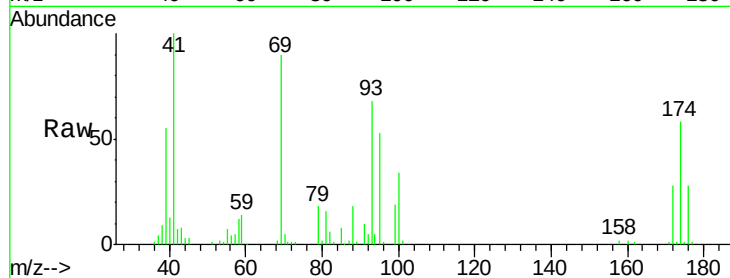
#49
 1,4-Dioxane
 Concen: 471.880 ug/l
 RT: 9.30 min Scan# 1241
 Delta R.T. -0.00 min
 Lab File: VY001238.D
 Acq: 15 Jan 2020 23:43

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0115SBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.8	22.4	33.6#
58	75.8	58.0	87.0

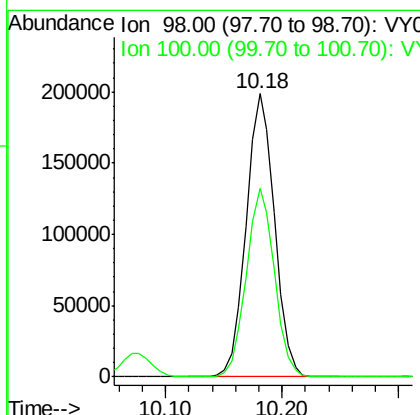
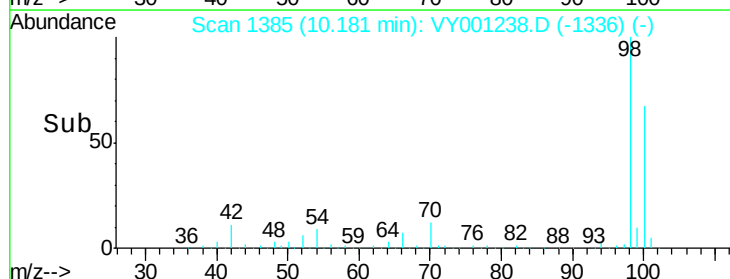
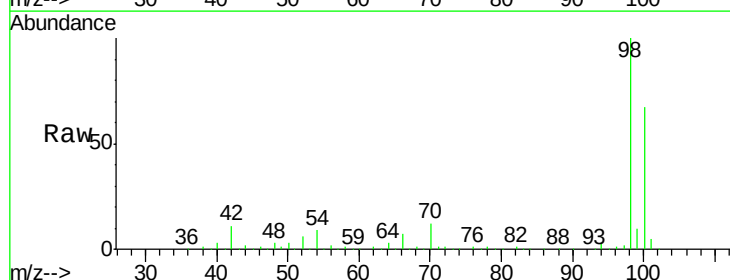
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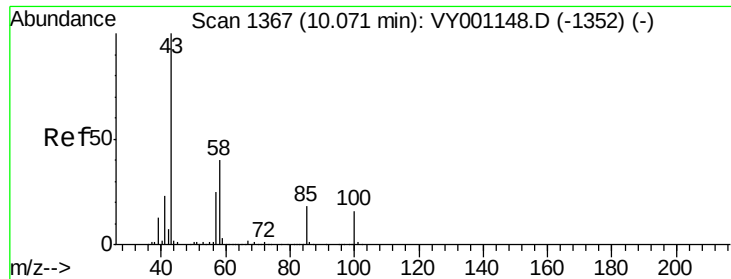
MMDadoda
 1/16/2020 9:36:49 AM



#50
 Toluene-d8
 Concen: 45.837 ug/l
 RT: 10.18 min Scan# 1385
 Delta R.T. -0.00 min
 Lab File: VY001238.D
 Acq: 15 Jan 2020 23:43

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.1	53.1	79.7





#51

4-Methyl-2-Pentanone

Concen: 106.393 ug/l

RT: 10.07 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VY001238.D

Acq: 15 Jan 2020 23:43

Instrument :

MSVOA_Y

ClientSampleId :

VY0115SBS02

Tot Ion: 43 Resp: 179442

Ion Ratio Lower Upper

43 100

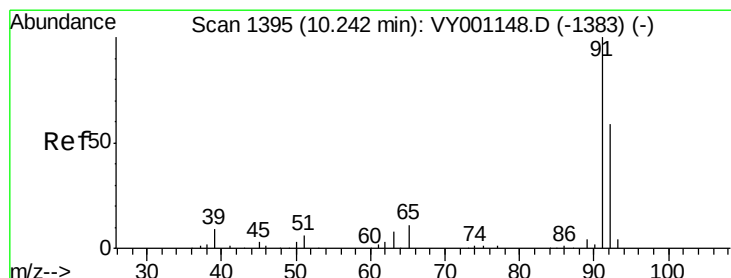
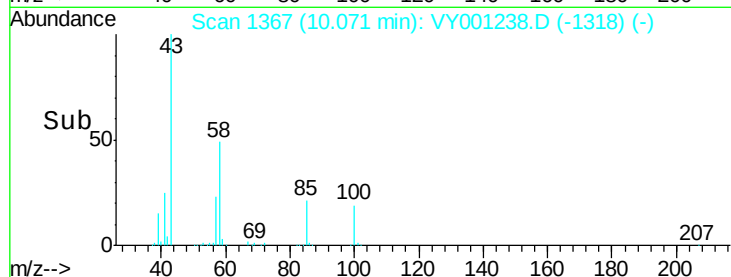
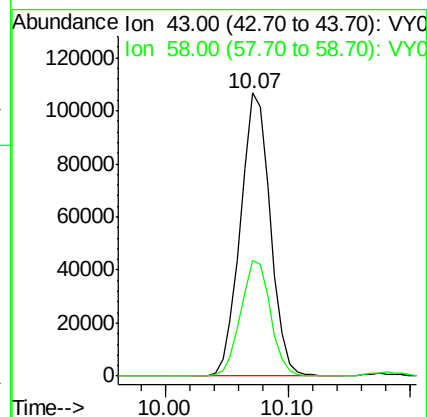
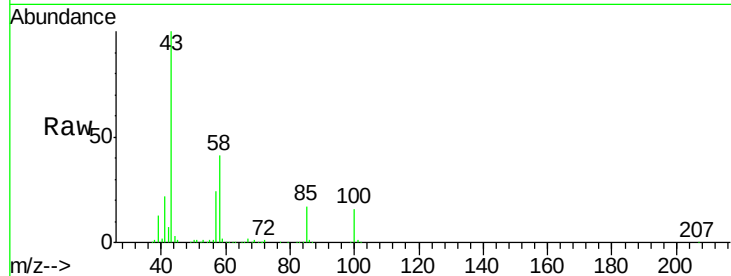
58 40.8 32.3 48.5

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#52

Toluene

Concen: 20.844 ug/l

RT: 10.24 min Scan# 1395

Delta R.T. -0.00 min

Lab File: VY001238.D

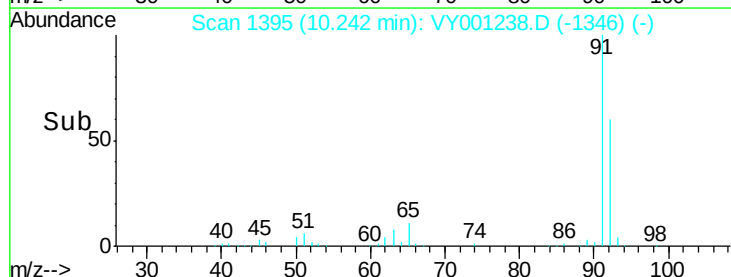
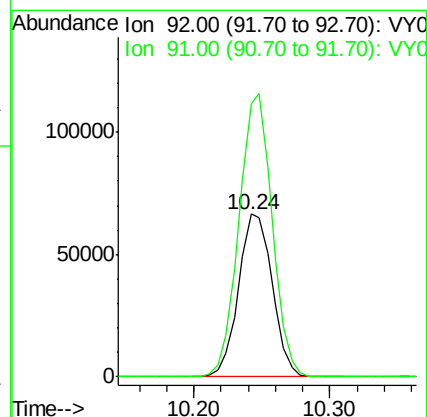
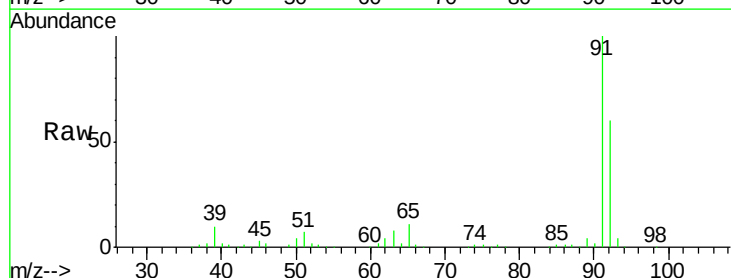
Acq: 15 Jan 2020 23:43

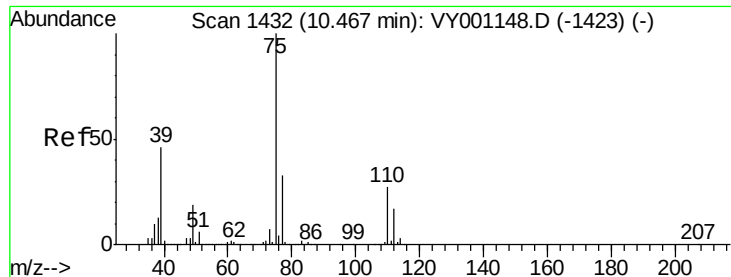
Tgt Ion: 92 Resp: 114942

Ion Ratio Lower Upper

92 100

91 170.9 136.6 204.8





#53

t-1,3-Dichloropropene

Concen: 19.941 ug/l

RT: 10.47 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VY001238.D

Acq: 15 Jan 2020 23:43

Instrument :

MSVOA_Y

ClientSampleId :

VY0115SBS02

Tot Ion: 75 Resp: 63421

Ion Ratio Lower Upper

75 100

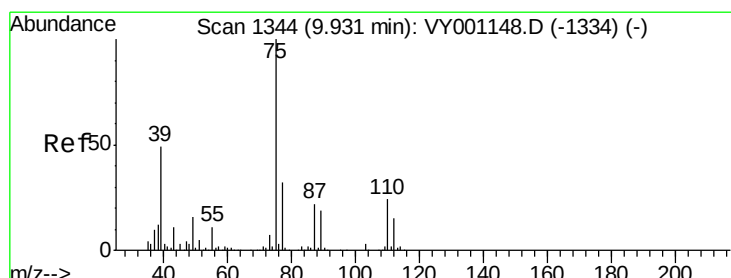
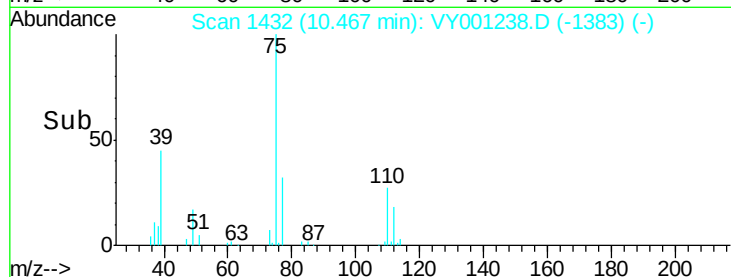
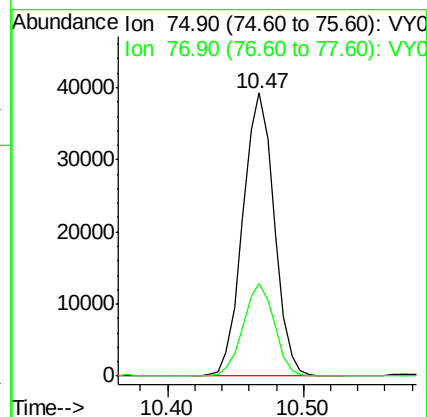
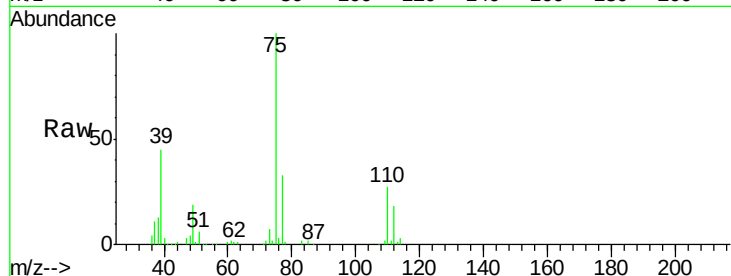
77 32.5 26.2 39.2

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 20.692 ug/l

RT: 9.93 min Scan# 1344

Delta R.T. -0.00 min

Lab File: VY001238.D

Acq: 15 Jan 2020 23:43

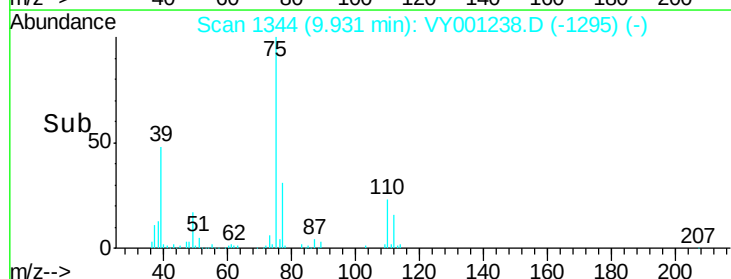
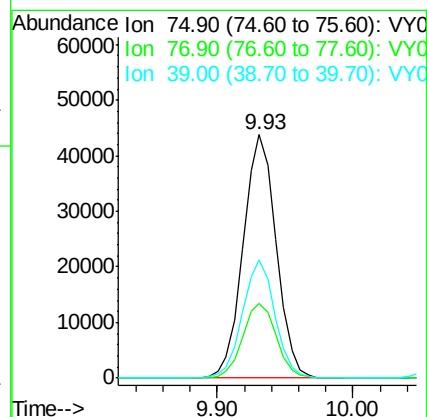
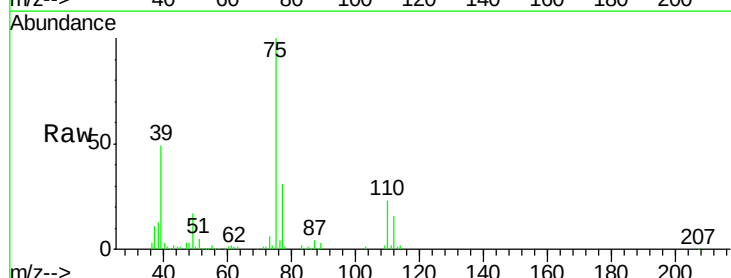
Tgt Ion: 75 Resp: 74200

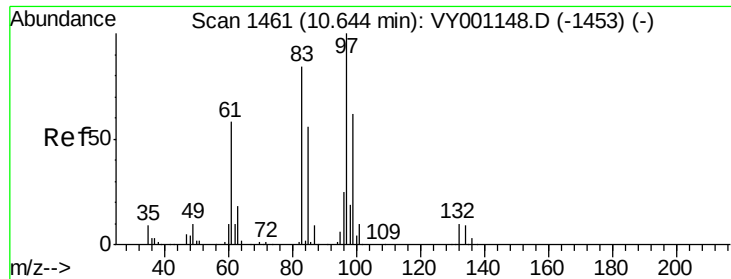
Ion Ratio Lower Upper

75 100

77 30.7 25.3 37.9

39 48.7 39.1 58.7





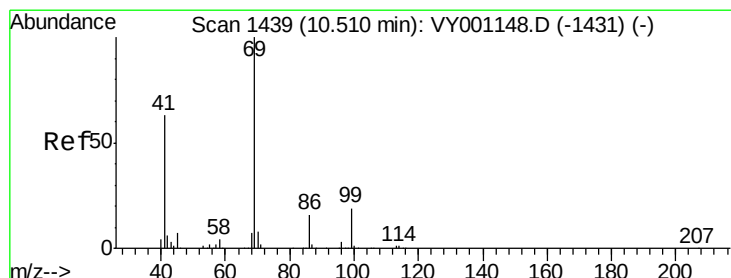
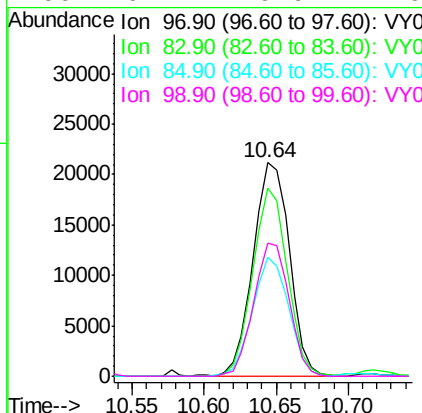
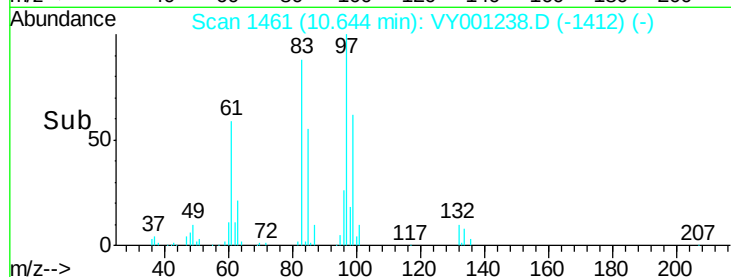
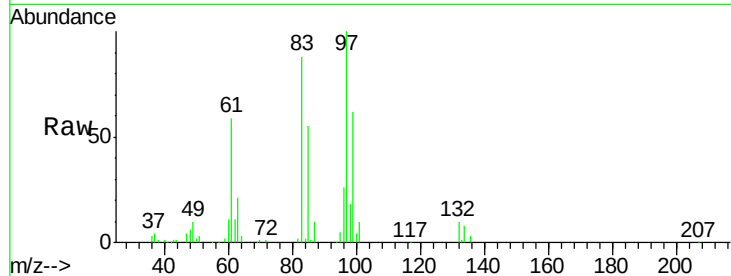
#55
 1,1,2-Trichloroethane
 Concen: 21.466 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. -0.00 min
 Lab File: VY001238.D
 Acq: 15 Jan 2020 23:43

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0115SBS02

Tot Ion:	97	Resp:	37113
Ion	Ratio	Lower	Upper
97	100		
83	88.2	67.2	100.8
85	55.5	44.9	67.3
99	62.1	49.9	74.9

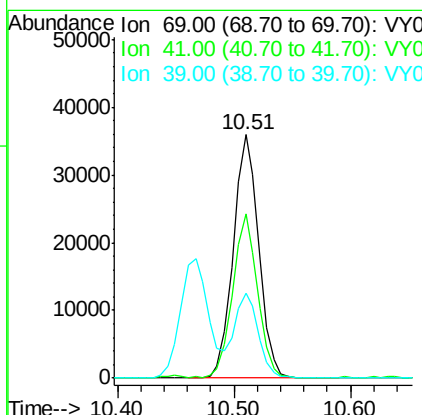
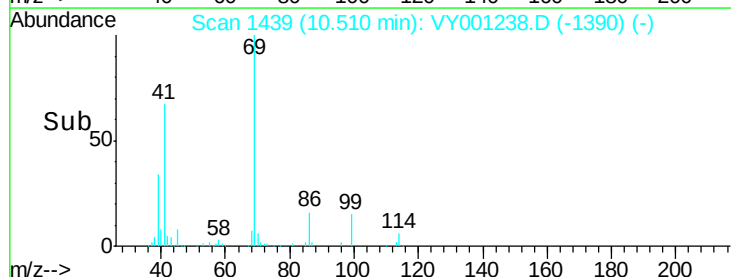
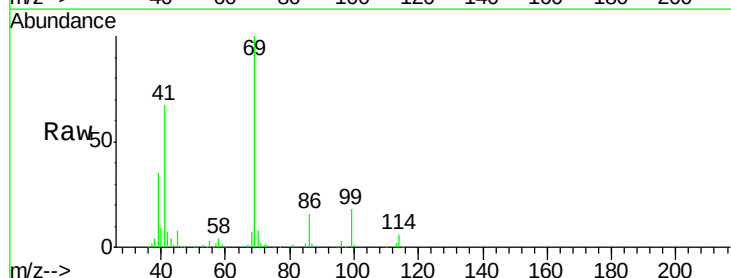
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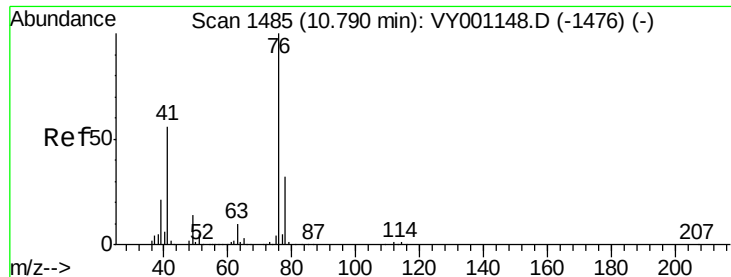
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#56
 Ethyl methacrylate
 Concen: 20.673 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. -0.00 min
 Lab File: VY001238.D
 Acq: 15 Jan 2020 23:43

Tgt Ion:	69	Resp:	54674
Ion	Ratio	Lower	Upper
69	100		
41	64.8	51.4	77.2
39	32.7	26.3	39.5





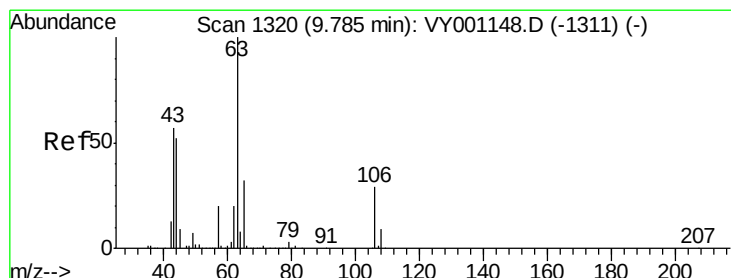
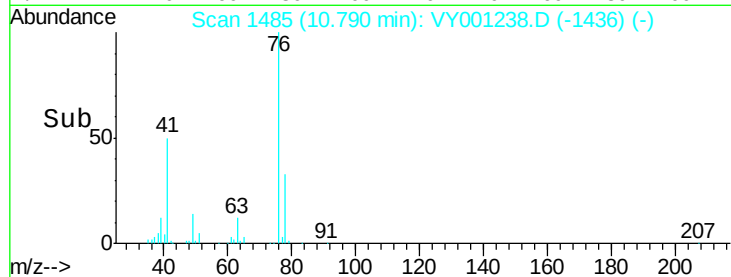
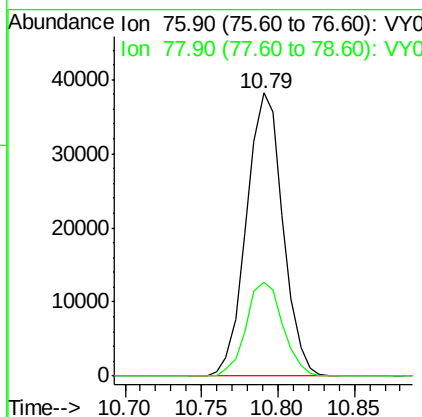
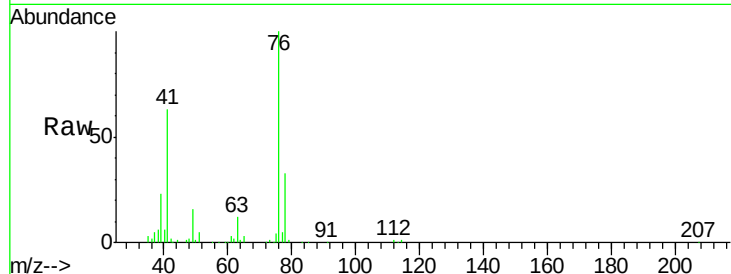
#57
 1,3-Dichloropropane
 Concen: 21.286 ug/l
 RT: 10.79 min Scan# 1485
 Delta R.T. -0.00 min
 Lab File: VY001238.D
 Acq: 15 Jan 2020 23:43

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0115SBS02

Tot Ion: 76 Resp: 63180
 Ion Ratio Lower Upper
 76 100
 78 33.3 26.1 39.1

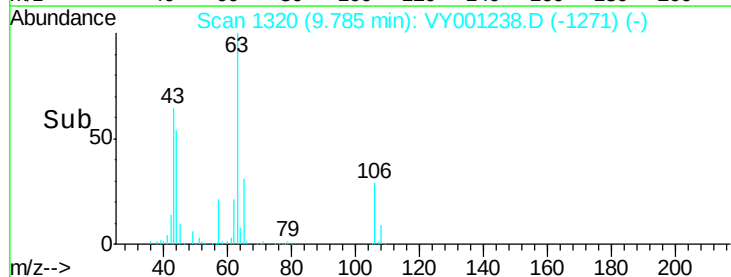
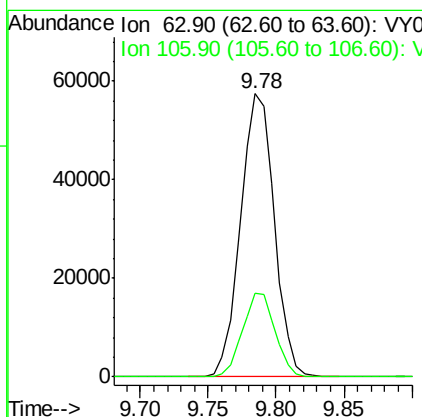
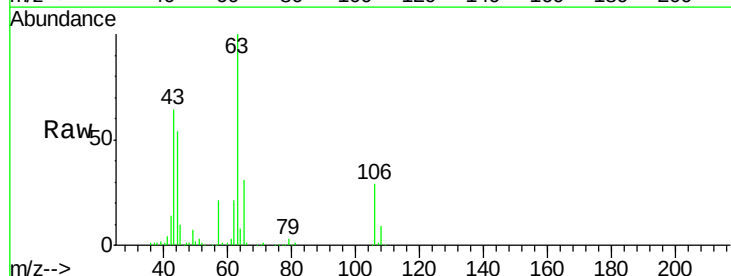
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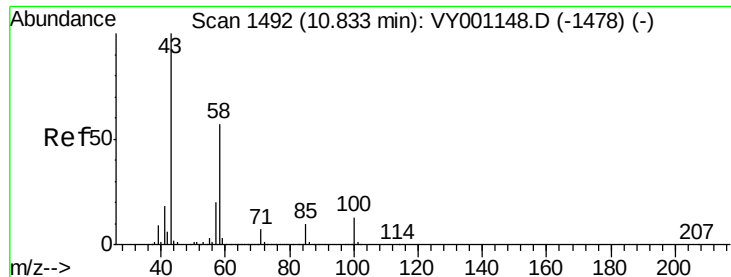
MMDadoda
 1/16/2020 9:36:49 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 107.196 ug/l
 RT: 9.78 min Scan# 1320
 Delta R.T. -0.00 min
 Lab File: VY001238.D
 Acq: 15 Jan 2020 23:43

Tgt Ion: 63 Resp: 99712
 Ion Ratio Lower Upper
 63 100
 106 28.4 23.0 34.6





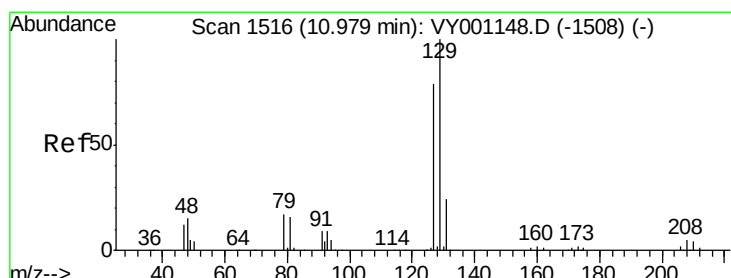
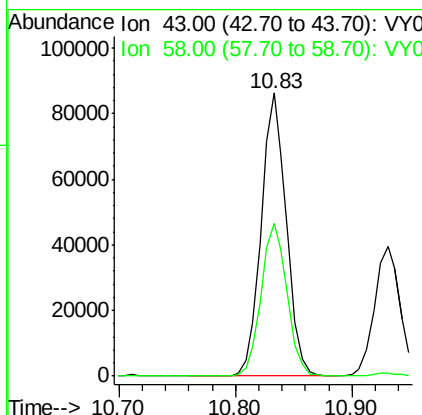
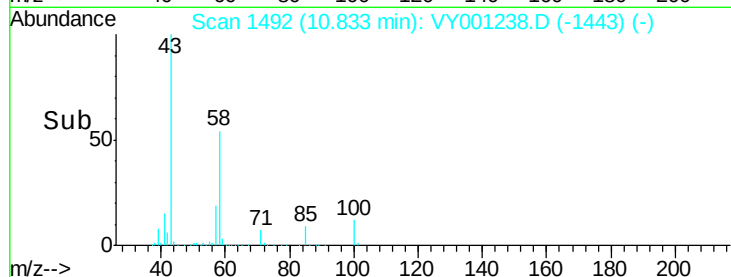
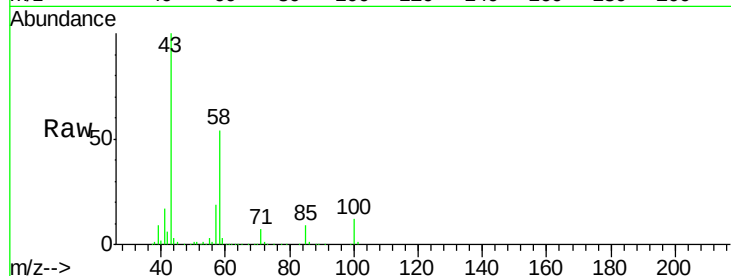
#59
2-Hexanone
Concen: 109.761 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VY001238.D
Acq: 15 Jan 2020 23:43

Instrument :
MSVOA_Y
ClientSampleId :
VY0115SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.4	28.4	85.2

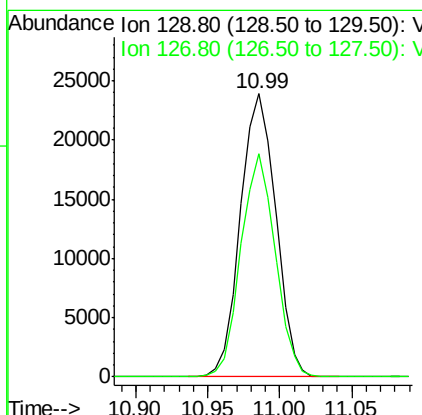
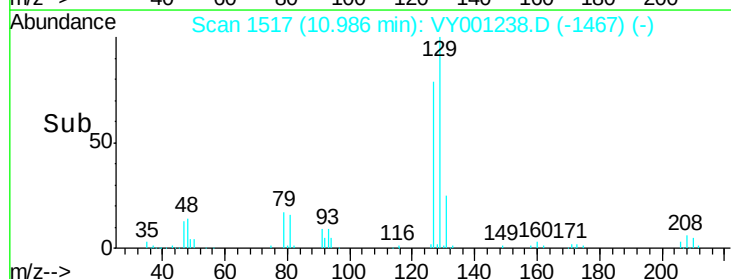
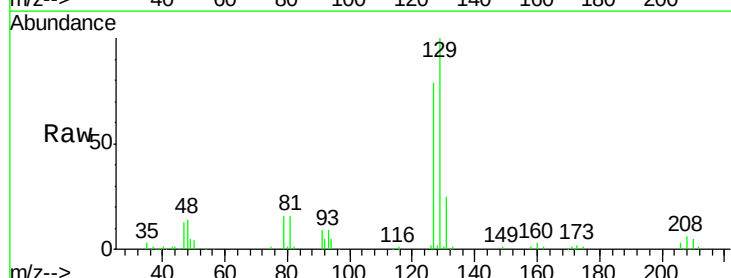
Manual Integrations
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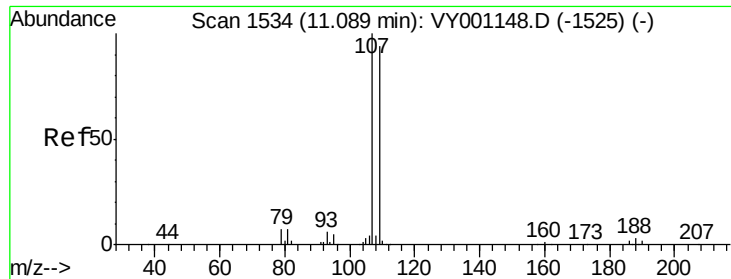
MMDadoda
1/16/2020 9:36:49 AM



#60
Dibromochloromethane
Concen: 20.492 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. 0.01 min
Lab File: VY001238.D
Acq: 15 Jan 2020 23:43

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.2	38.9	116.7





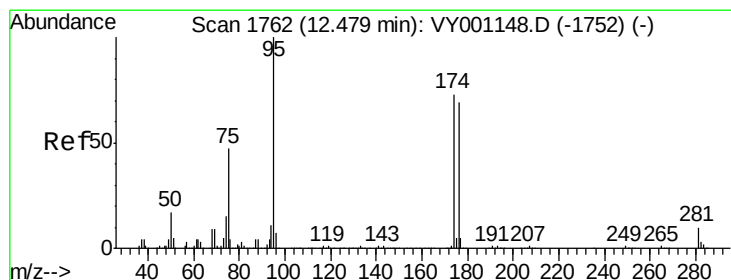
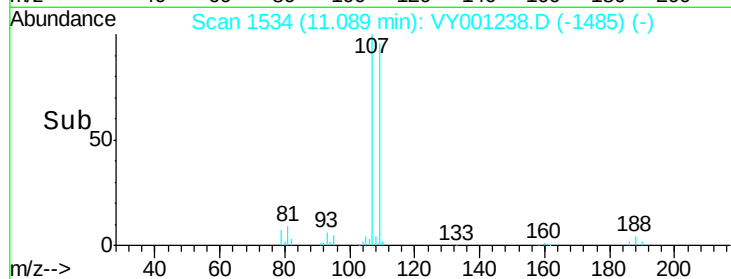
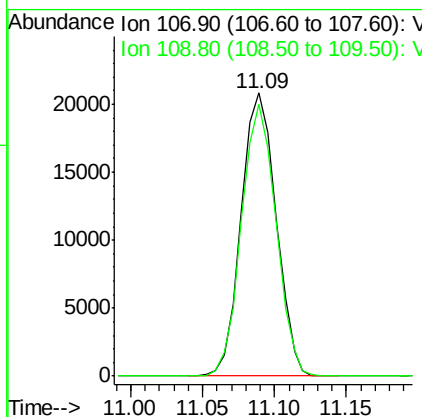
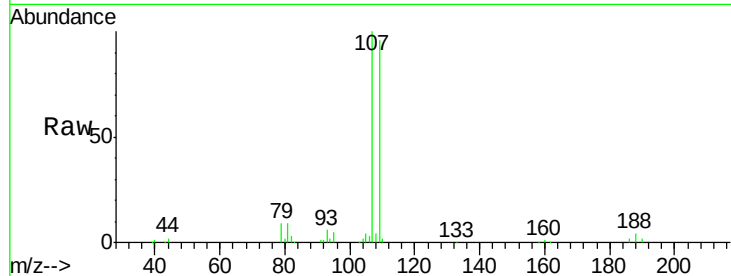
#61
 1,2-Dibromoethane
 Concen: 20.801 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VY001238.D
 Acq: 15 Jan 2020 23:43

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0115SBS02

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.7	75.4	113.0

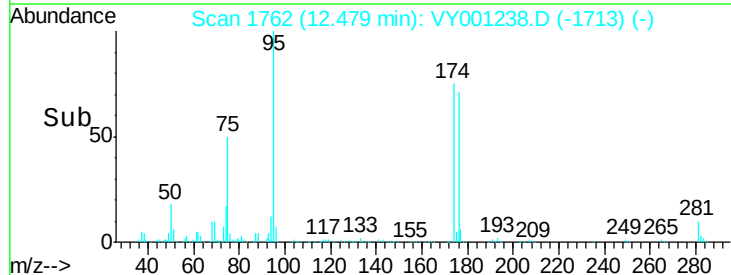
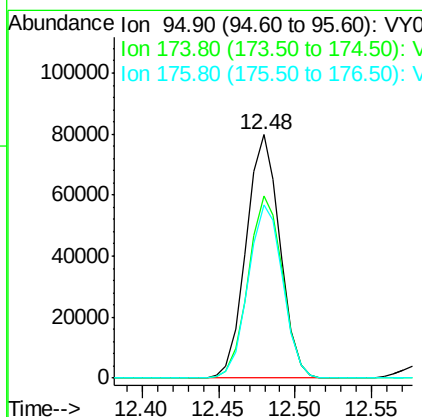
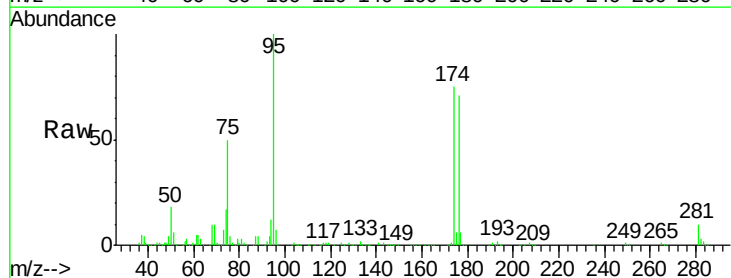
Manual Integrations
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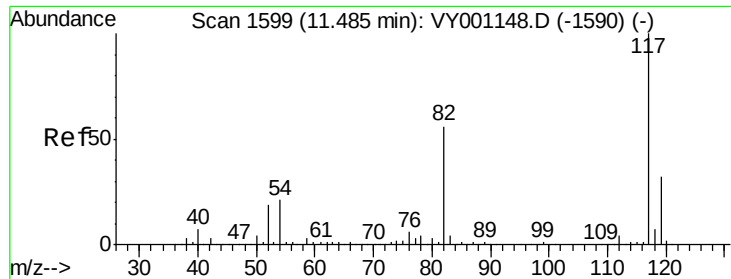
MMDadoda
 1/16/2020 9:36:49 AM



#62
 4-Bromofluorobenzene
 Concen: 40.793 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.00 min
 Lab File: VY001238.D
 Acq: 15 Jan 2020 23:43

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.0	0.0	143.2
176	72.7	0.0	136.0





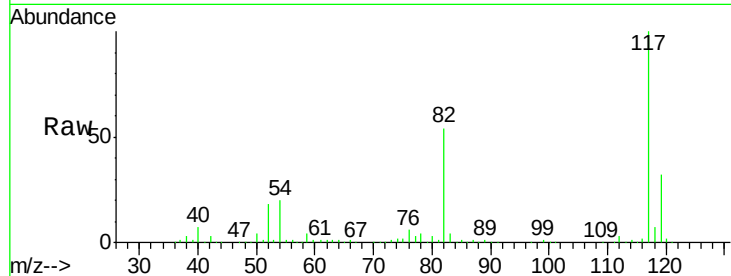
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.01 min
Lab File: VY001238.D
Acq: 15 Jan 2020 23:43

Instrument :
MSVOA_Y
ClientSampleId :
VY0115SBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.4	44.9	67.3
119	31.9	25.7	38.5

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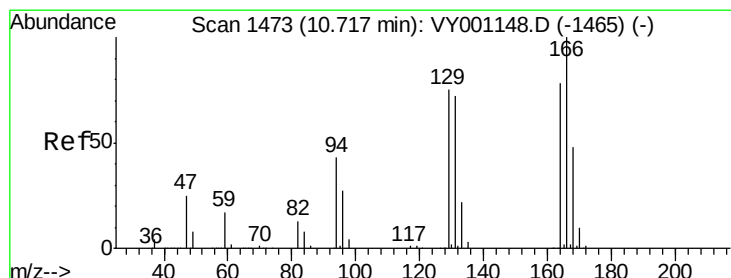
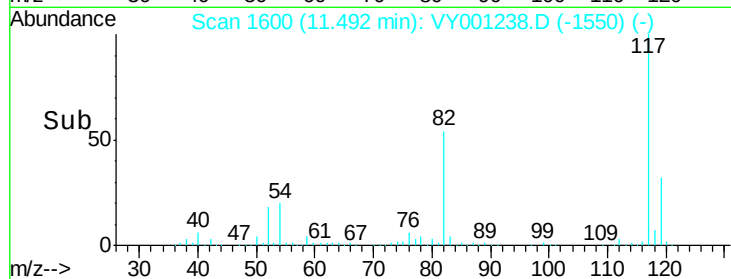
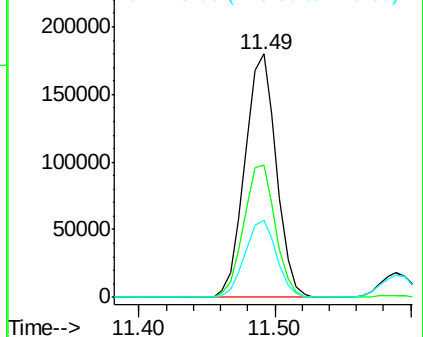


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VY0

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 21.633 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VY001238.D
Acq: 15 Jan 2020 23:43

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.2	102.3	153.5
129	92.0	76.2	114.4
131	90.9	73.9	110.9

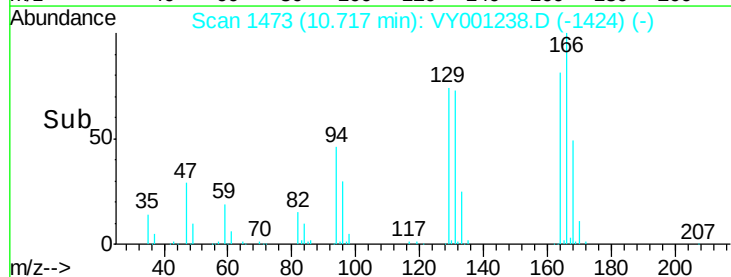
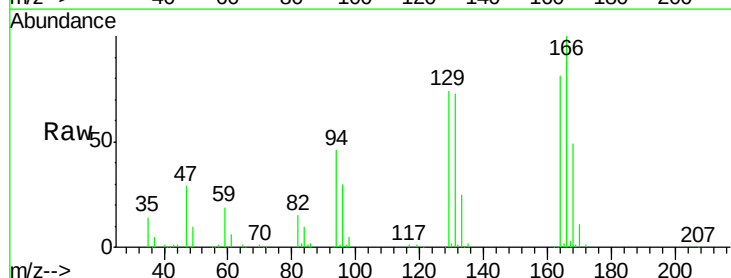
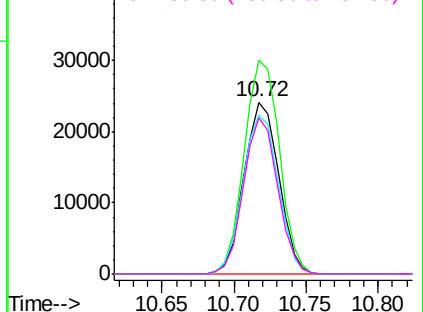
Abundance

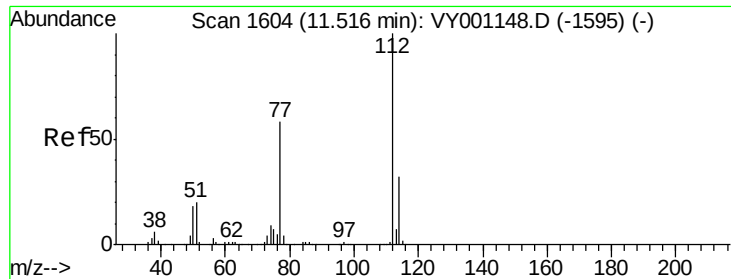
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





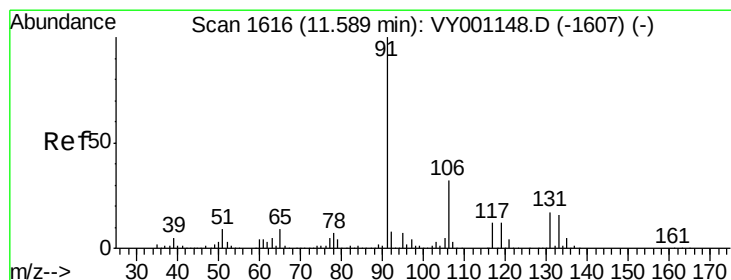
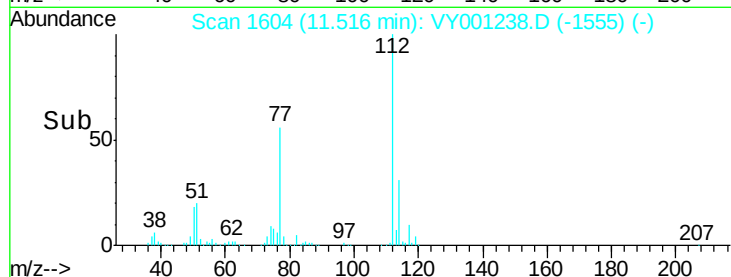
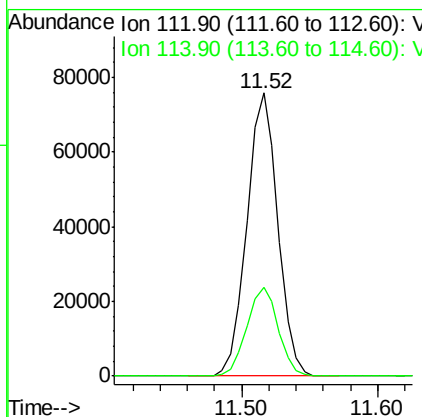
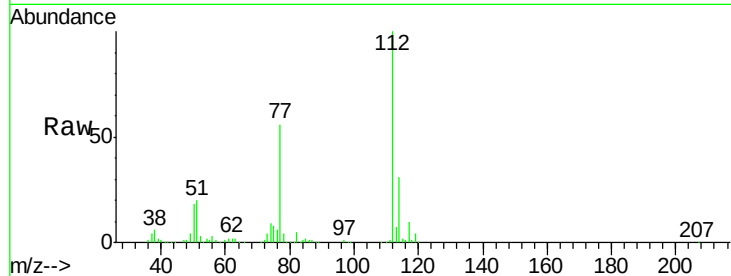
#65
Chlorobenzene
Concen: 20.806 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VY001238.D
Acq: 15 Jan 2020 23:43

Instrument :
MSVOA_Y
ClientSampleId :
VY0115SBS02

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.4	25.9	38.9

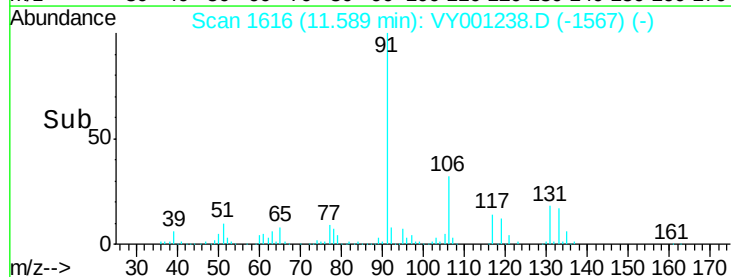
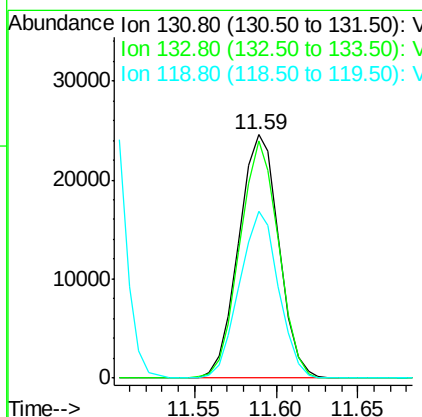
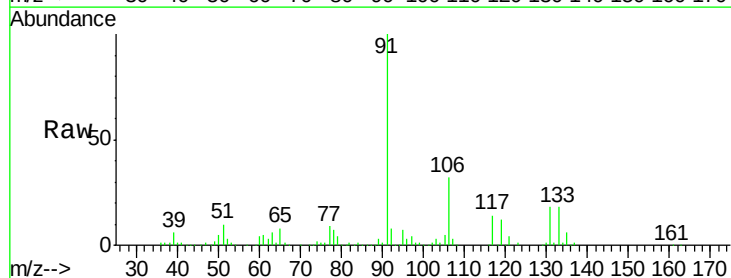
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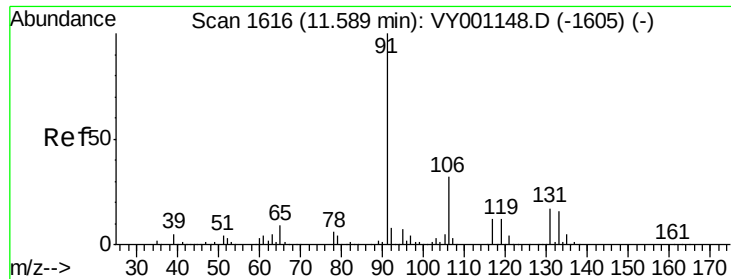
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.073 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. -0.00 min
Lab File: VY001238.D
Acq: 15 Jan 2020 23:43

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.9	47.3	142.0
119	66.7	33.6	100.8





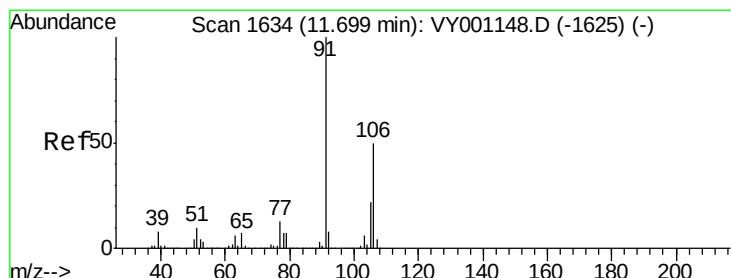
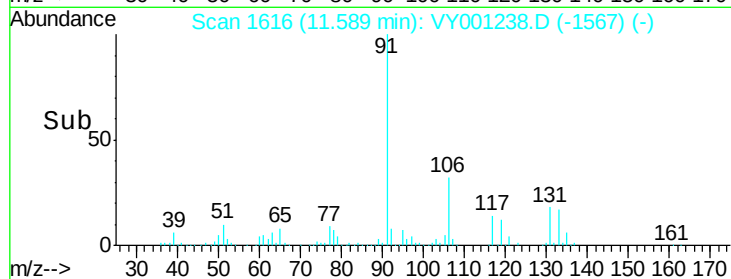
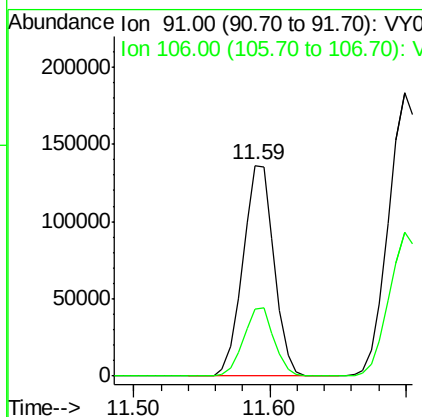
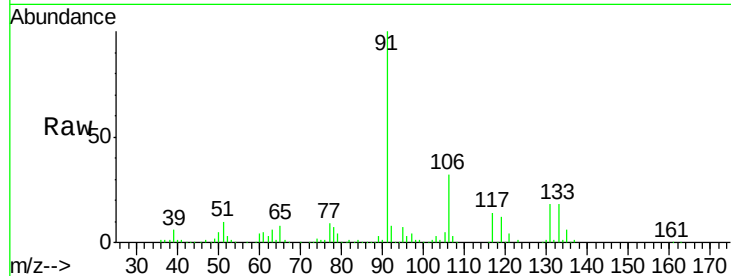
#67
Ethyl Benzene
Concen: 20.547 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. -0.00 min
Lab File: VY001238.D
Acq: 15 Jan 2020 23:43

Instrument :
MSVOA_Y
ClientSampleId :
VY0115SBS02

Tot Ion	Ratio	Lower	Upper
91	100		
106	31.9	25.3	37.9

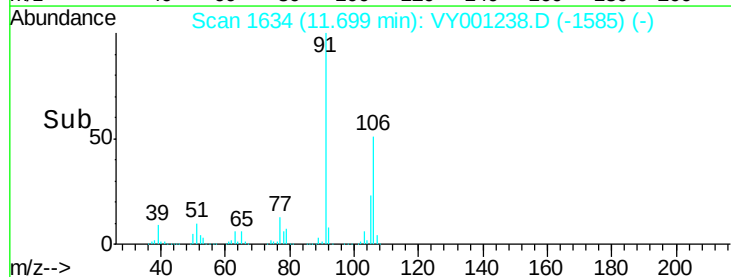
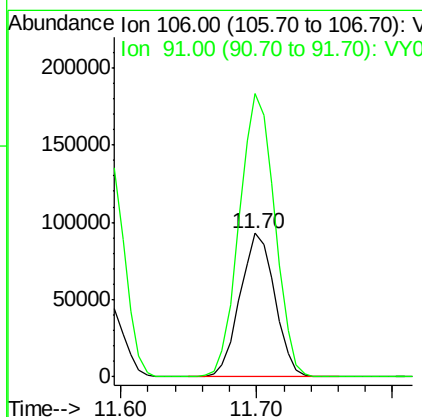
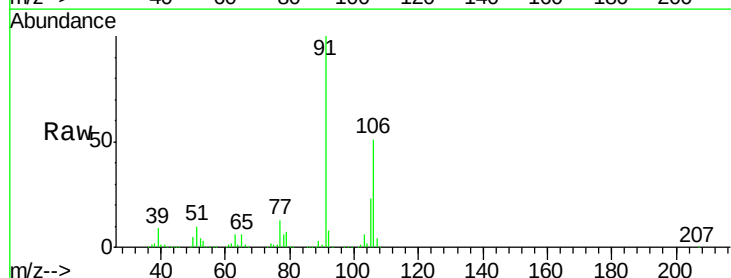
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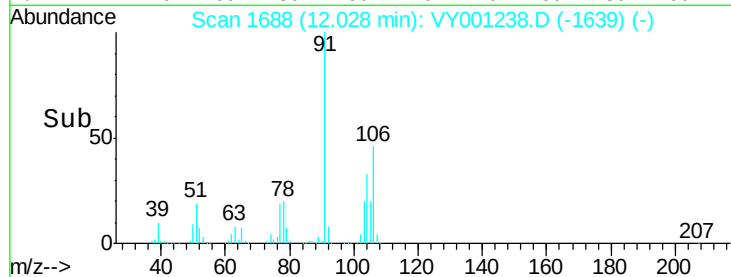
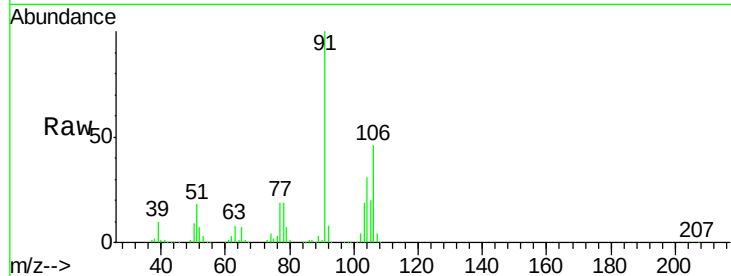
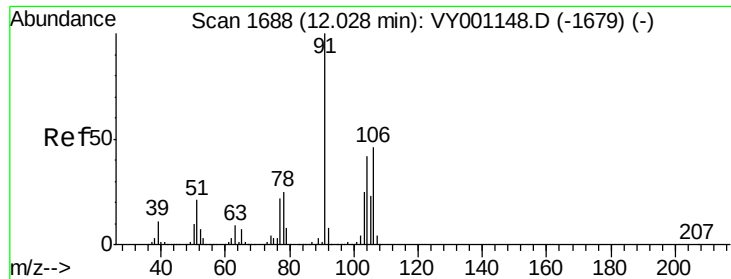
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#68
m/p-Xylenes
Concen: 41.682 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. -0.00 min
Lab File: VY001238.D
Acq: 15 Jan 2020 23:43

Tgt Ion	Ratio	Lower	Upper
106	100		
91	199.9	161.4	242.2





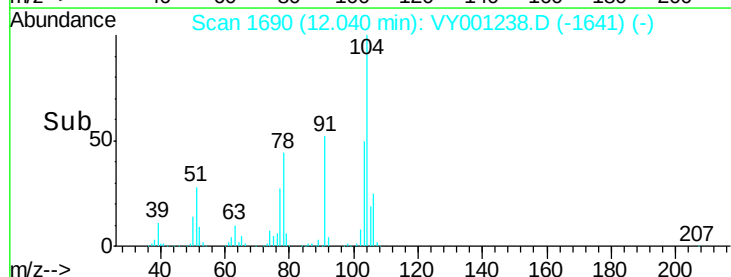
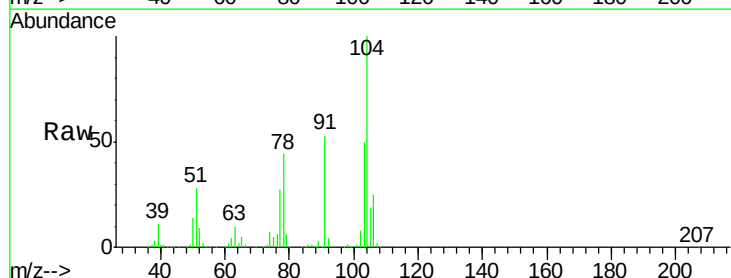
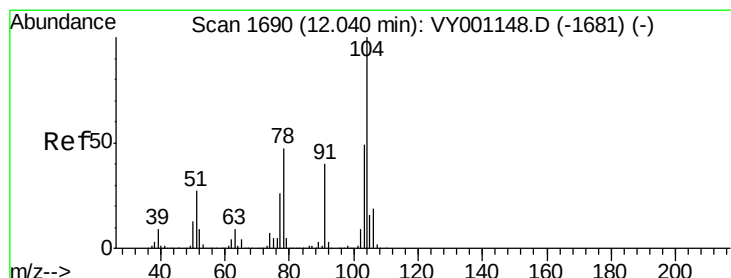
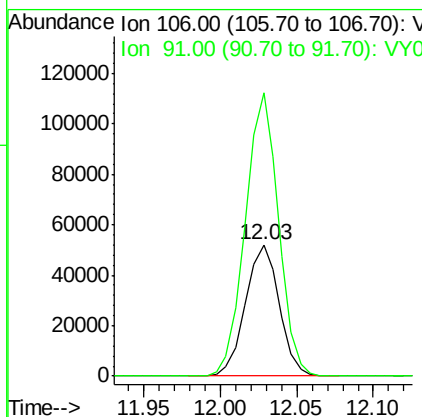
#69
o-Xylene
Concen: 20.808 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VY001238.D
Acq: 15 Jan 2020 23:43

Tot Ion:106 Resp: 79818
Ion Ratio Lower Upper
106 100
91 211.6 106.3 318.8

Instrument :
MSVOA_Y
ClientSampleId :
VY0115SBS02

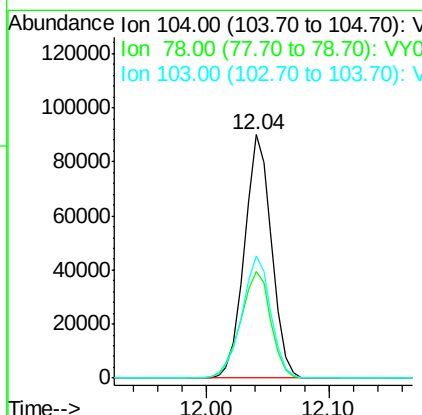
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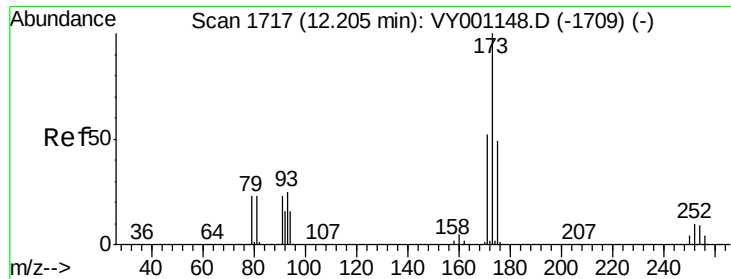
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#70
Styrene
Concen: 20.548 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VY001238.D
Acq: 15 Jan 2020 23:43

Tgt Ion:104 Resp: 138299
Ion Ratio Lower Upper
104 100
78 48.7 40.5 60.7
103 53.4 42.4 63.6





#71

Bromoform

Concen: 20.497 ug/l

RT: 12.20 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VY001238.D

Acq: 15 Jan 2020 23:43

Instrument :

MSVOA_Y

ClientSampleId :

VY0115SBS02

Tot Ion:173 Resp: 25258

Ion Ratio Lower Upper

173 100

175 46.6 24.1 72.2

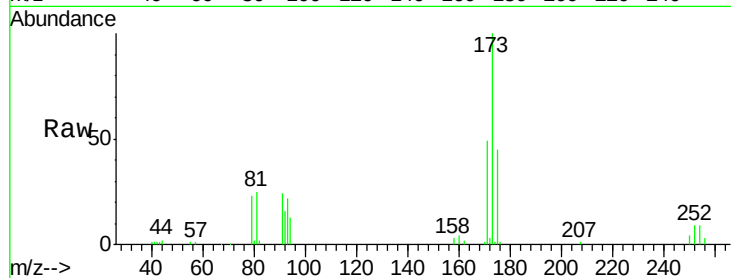
254 0.0 0.1 0.1#

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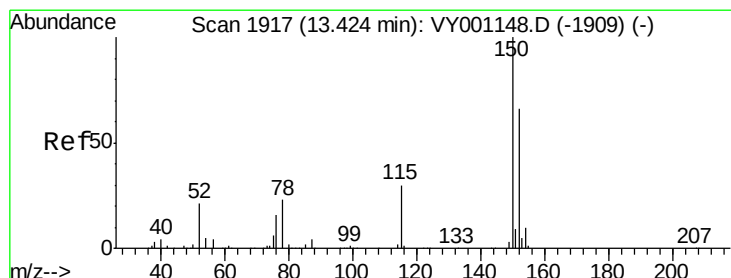
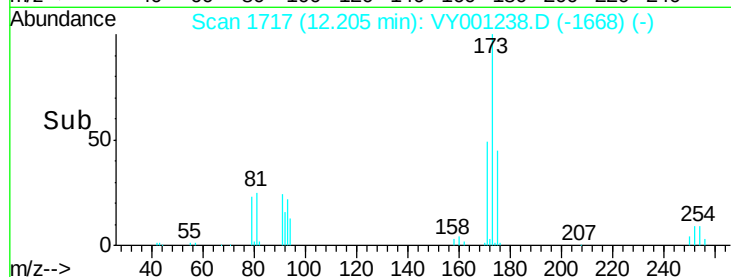
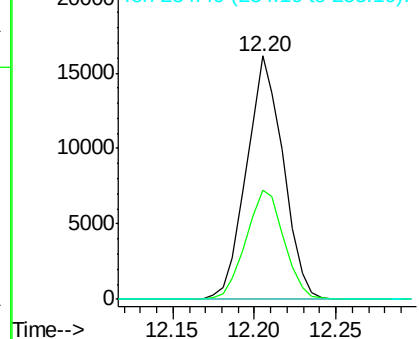
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. -0.00 min

Lab File: VY001238.D

Acq: 15 Jan 2020 23:43

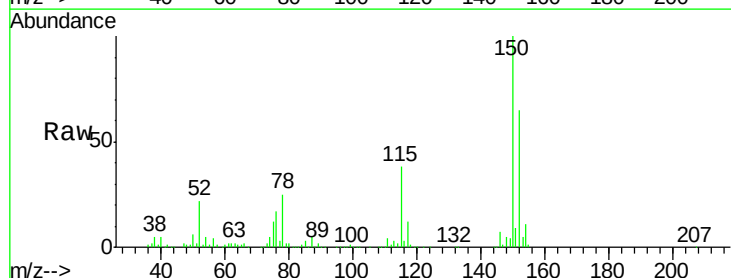
Tgt Ion:152 Resp: 136900

Ion Ratio Lower Upper

152 100

115 59.5 30.9 92.5

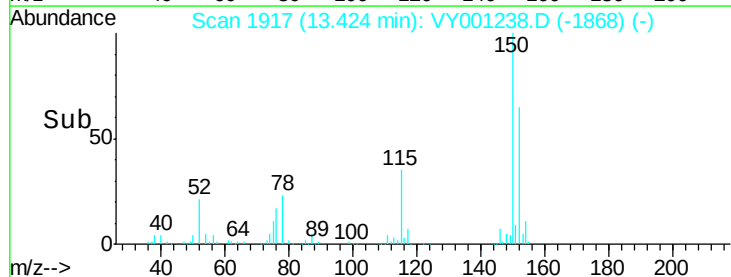
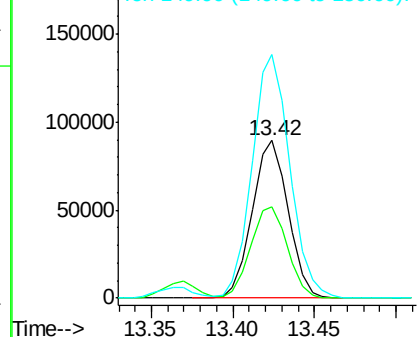
150 162.3 0.0 346.8

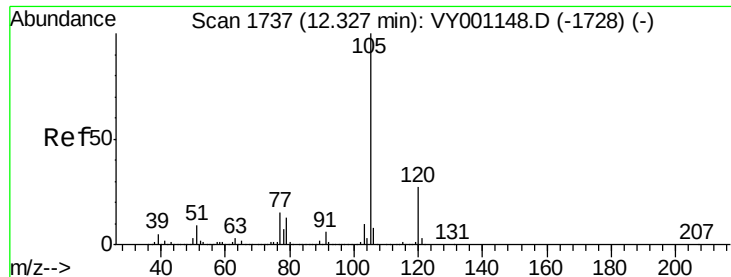


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.377 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VY001238.D

Acq: 15 Jan 2020 23:43

Instrument :

MSVOA_Y

ClientSampleId :

VY0115SBS02

Tot Ion:105 Resp: 209720

Ion Ratio Lower Upper

105 100

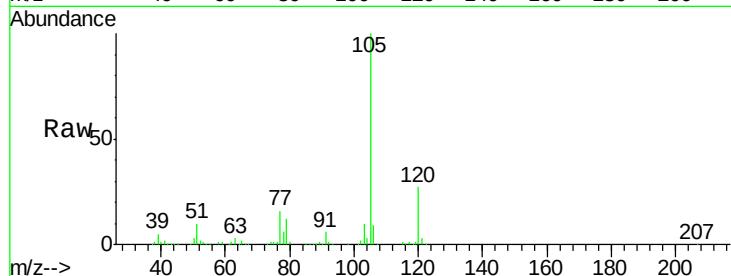
120 26.6 13.4 40.2

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.33

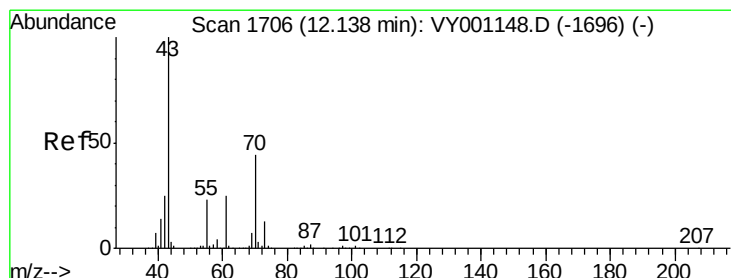
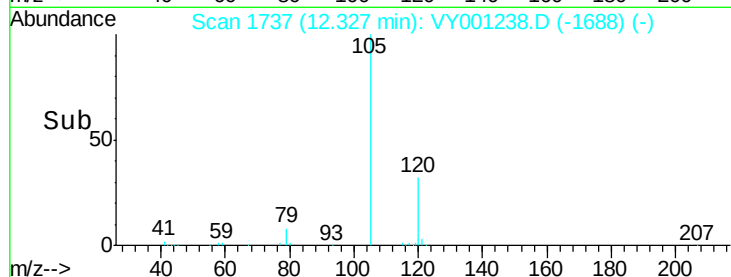
150000

100000

50000

0

Time--> 12.25 12.30 12.35 12.40



#74

N-ethyl acetate

Concen: 21.041 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. 0.01 min

Lab File: VY001238.D

Acq: 15 Jan 2020 23:43

Tgt Ion: 43 Resp: 67580

Ion Ratio Lower Upper

43 100

70 41.9 35.0 52.6

55 22.6 18.4 27.6

61 24.5 20.1 30.1

Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0

12.14

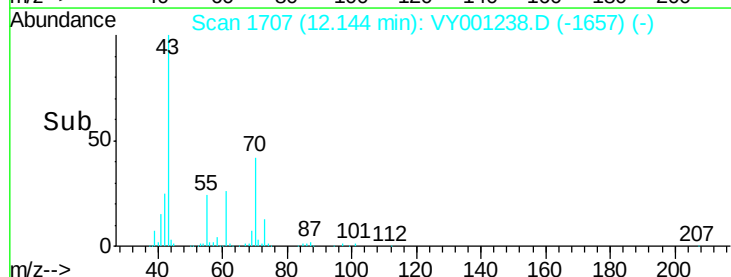
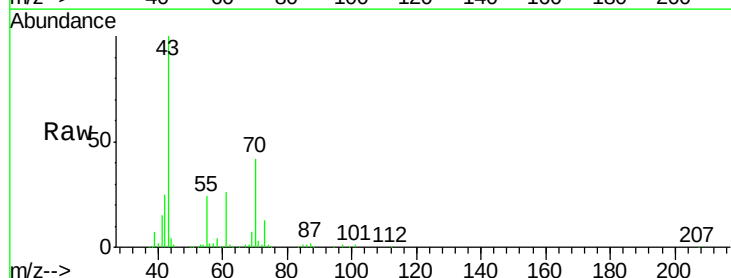
60000

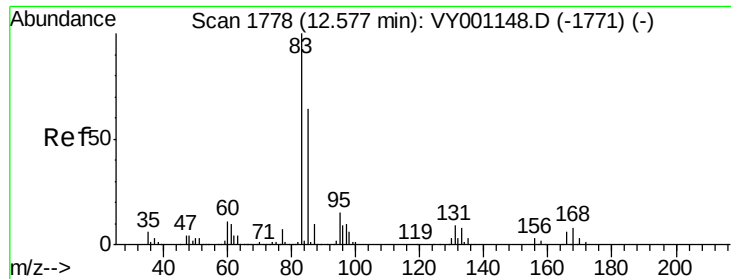
40000

20000

0

Time--> 12.10 12.20





#75

1,1,2,2-Tetrachloroethane

Concen: 20.850 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. 0.01 min

Lab File: VY001238.D

Acq: 15 Jan 2020 23:43

Instrument :

MSVOA_Y

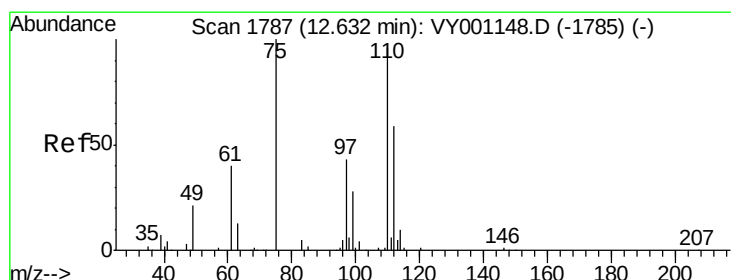
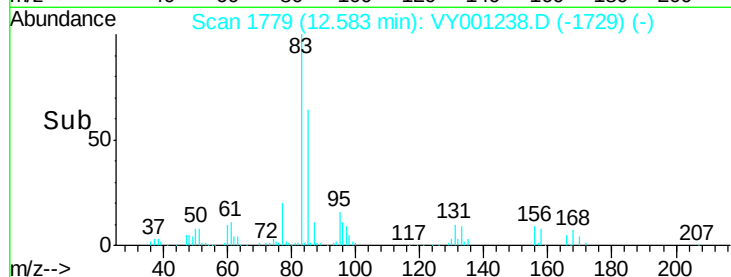
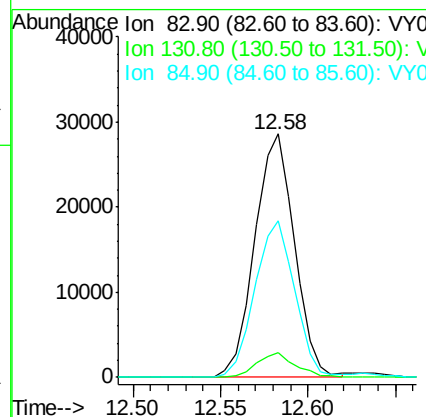
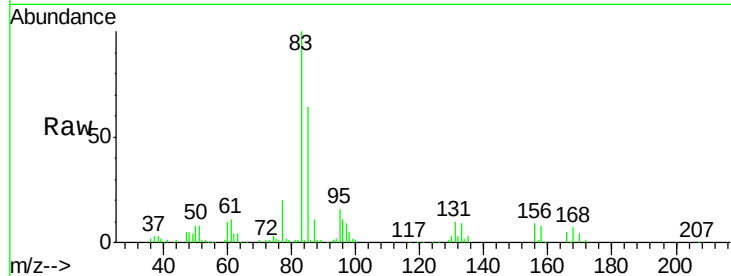
ClientSampleId :

VY0115SBS02

Tot Ion:	83	Resp:	45146
Ion	Ratio	Lower	Upper
83	100		
131	9.7	5.1	15.3
85	64.9	32.2	96.6

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.555 ug/l m

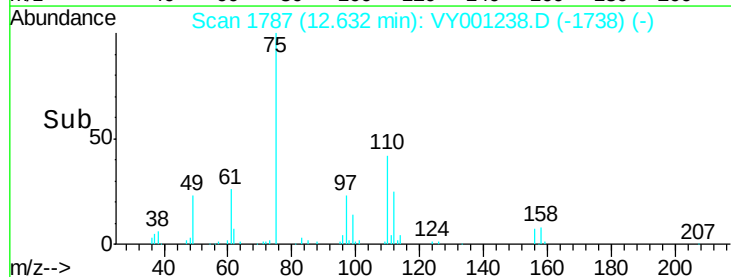
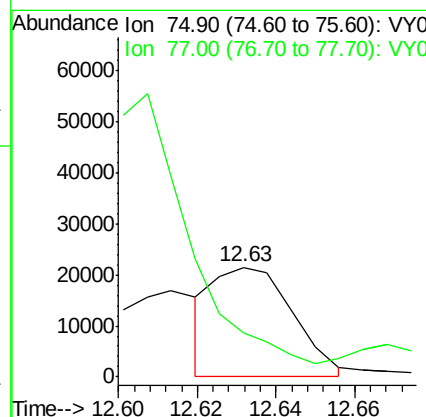
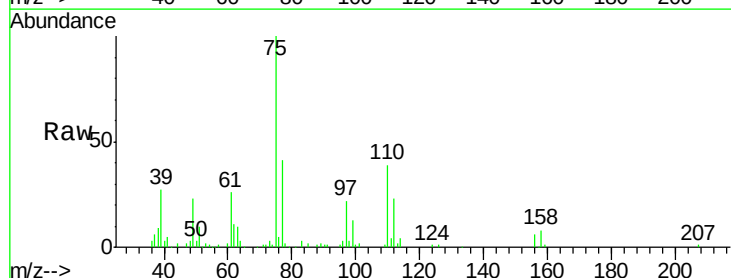
RT: 12.63 min Scan# 1787

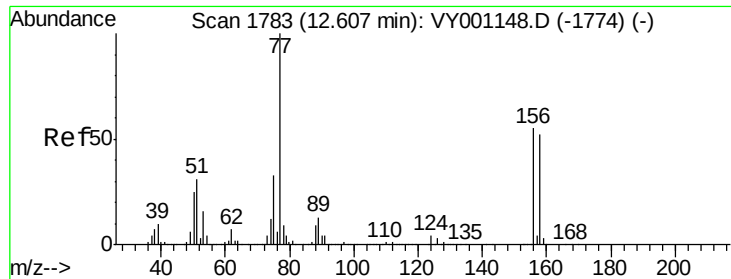
Delta R.T. -0.00 min

Lab File: VY001238.D

Acq: 15 Jan 2020 23:43

Tgt Ion:	75	Resp:	30124
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.220 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VY001238.D

Acq: 15 Jan 2020 23:43

Instrument :

MSVOA_Y

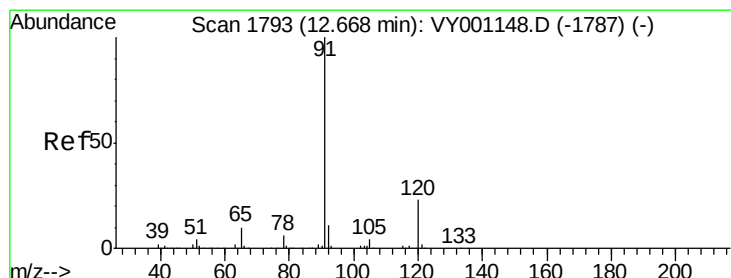
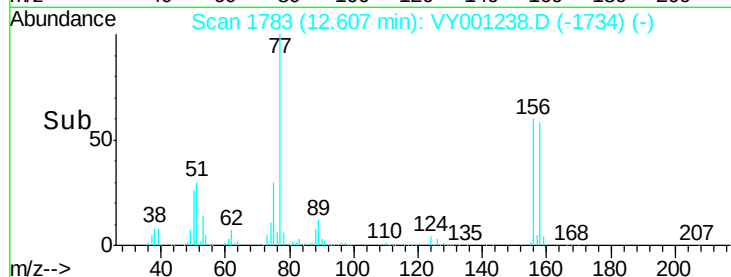
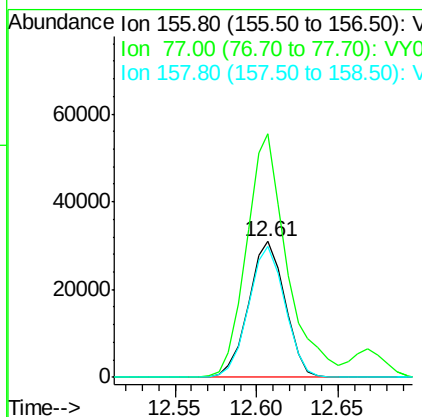
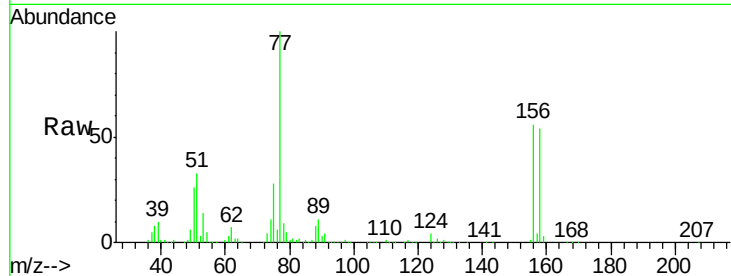
ClientSampleId :

VY0115SBS02

Tot Ion	Ratio	Lower	Upper
156	100		
77	198.6	106.7	320.1
158	96.2	48.3	144.8

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#78

n-propylbenzene

Concen: 20.463 ug/l

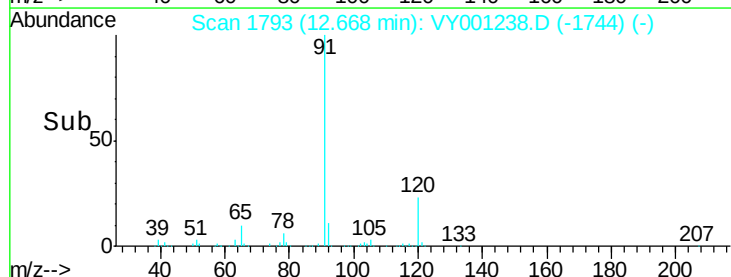
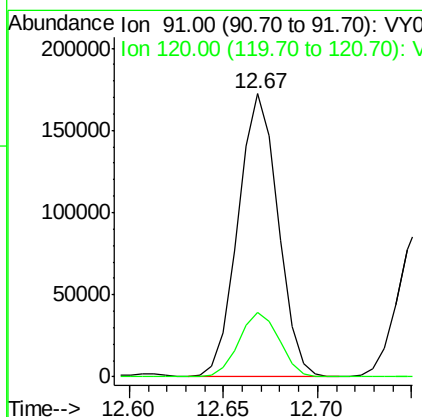
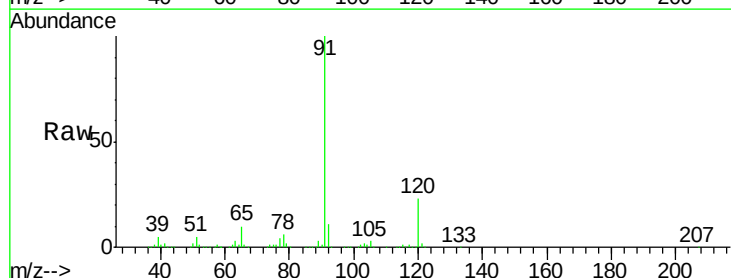
RT: 12.67 min Scan# 1793

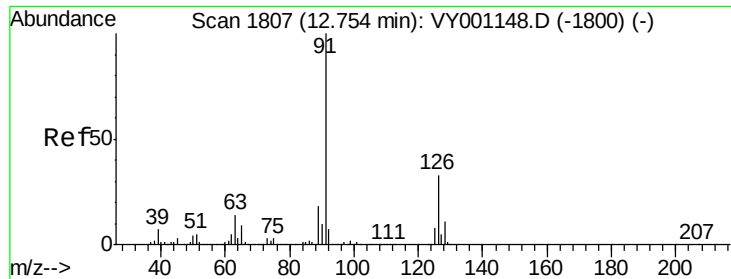
Delta R.T. -0.00 min

Lab File: VY001238.D

Acq: 15 Jan 2020 23:43

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.9	11.5	34.4





#79

2-Chlorotoluene

Concen: 20.158 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. -0.00 min

Lab File: VY001238.D

Acq: 15 Jan 2020 23:43

Instrument :

MSVOA_Y

ClientSampleId :

VY0115SBS02

Tot Ion: 91 Resp: 143314

Ion Ratio Lower Upper

91 100

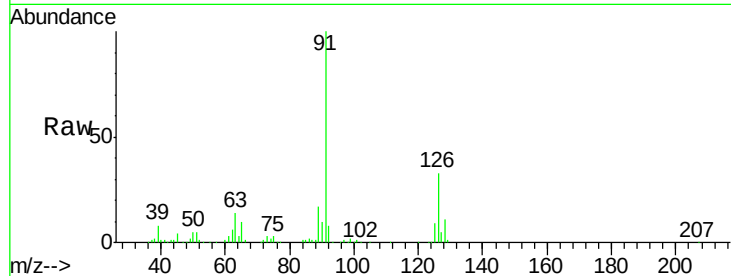
126 33.7 16.4 49.4

Manual Integrations

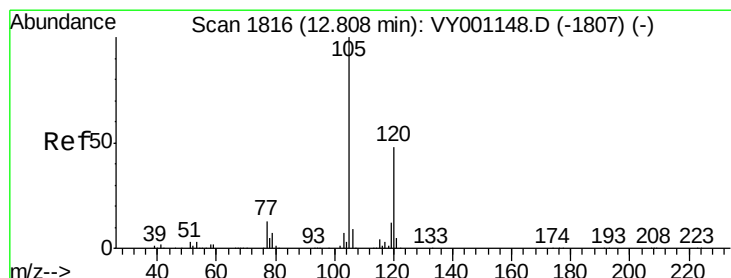
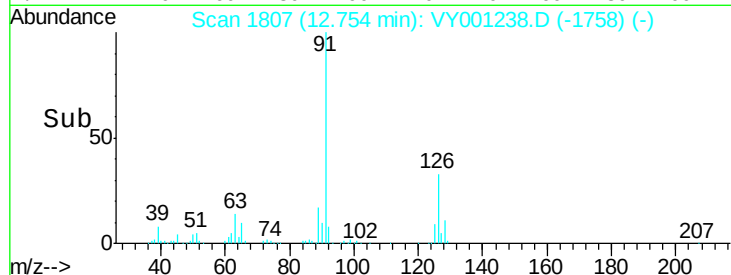
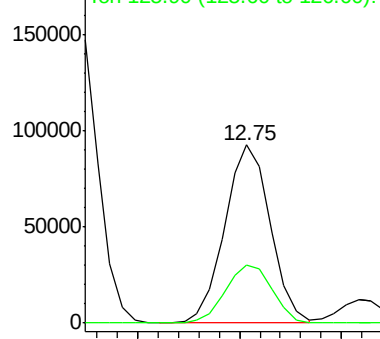
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Abundance Ion 91.00 (90.70 to 91.70): VY001238.D (-1758) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.415 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. -0.00 min

Lab File: VY001238.D

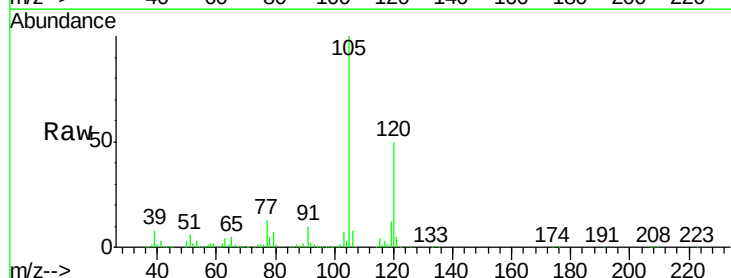
Acq: 15 Jan 2020 23:43

Tgt Ion: 105 Resp: 175308

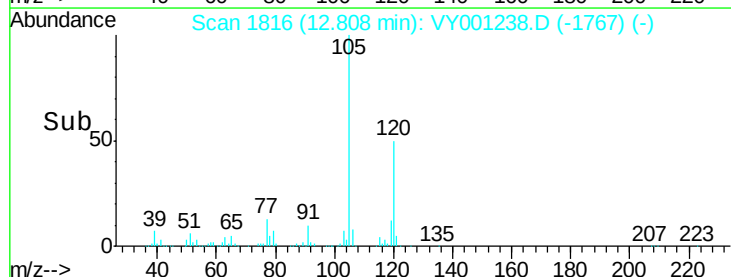
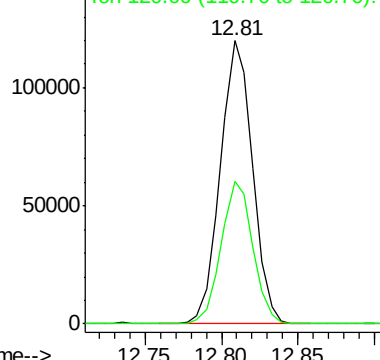
Ion Ratio Lower Upper

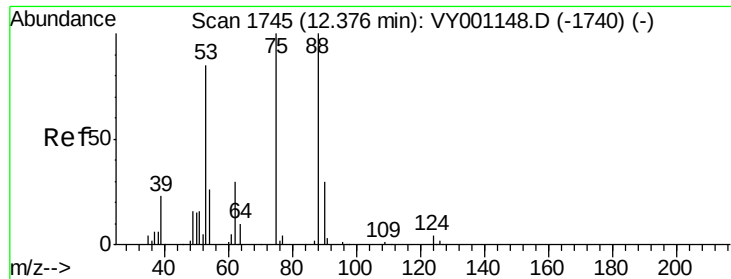
105 100

120 49.4 24.2 72.6



Abundance Ion 105.00 (104.70 to 105.70): VY001238.D (-1767) (-)





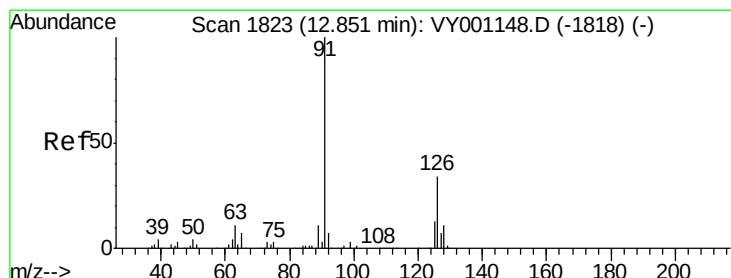
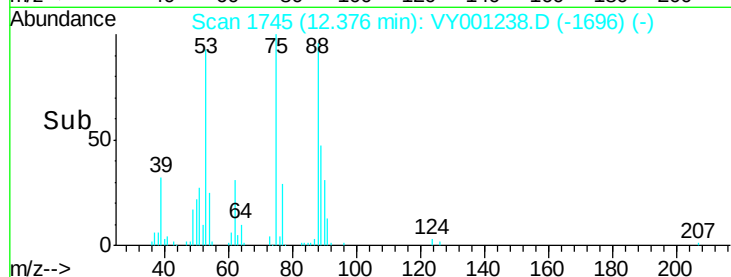
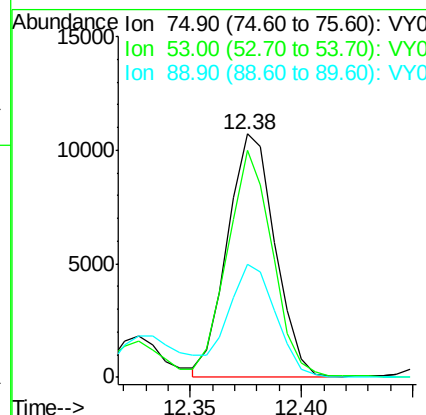
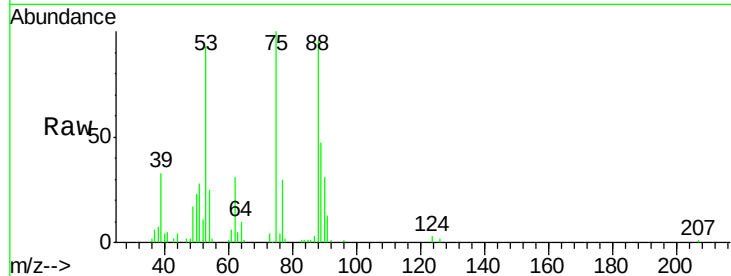
#81
trans-1,4-Dichloro-2-butene
Concen: 18.456 ug/l
RT: 12.38 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VY001238.D
Acq: 15 Jan 2020 23:43

Instrument :
MSVOA_Y
ClientSampleId :
VY0115SBS02

Tot Ion	Ratio	Lower	Upper
75	100		
53	89.0	69.4	104.2
89	45.6	0.0	0.0#

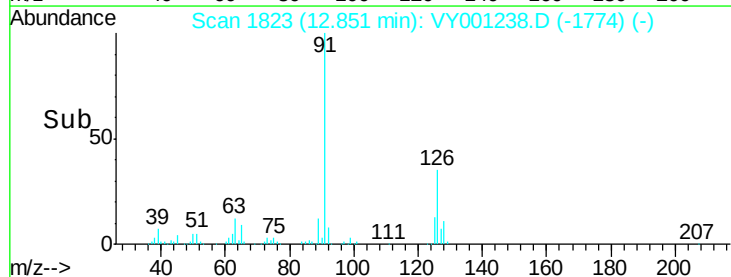
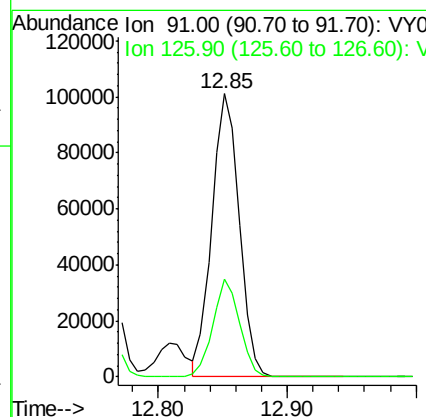
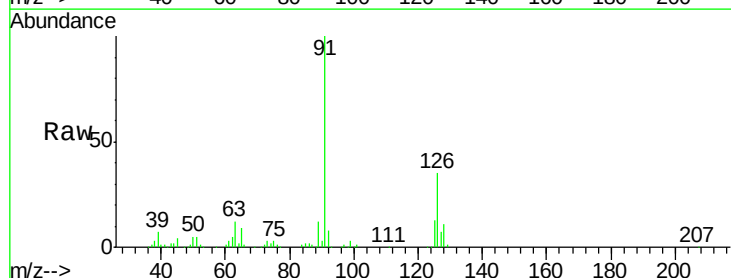
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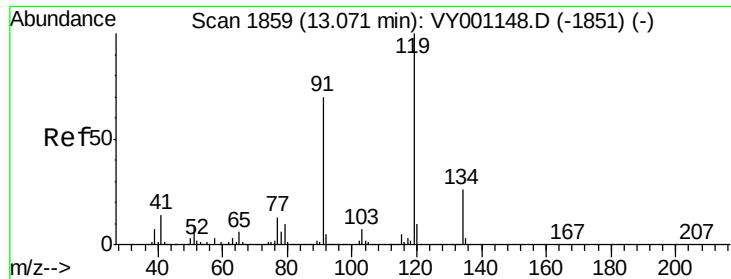
MMDadoda
1/16/2020 9:36:49 AM



#82
4-Chlorotoluene
Concen: 19.851 ug/l
RT: 12.85 min Scan# 1823
Delta R.T. -0.00 min
Lab File: VY001238.D
Acq: 15 Jan 2020 23:43

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.7	16.3	48.8





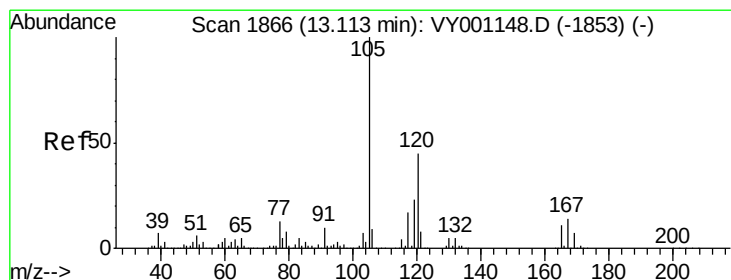
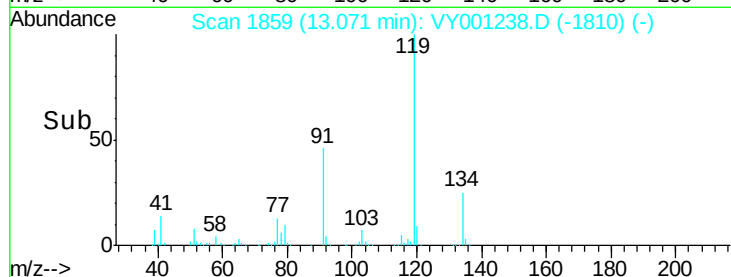
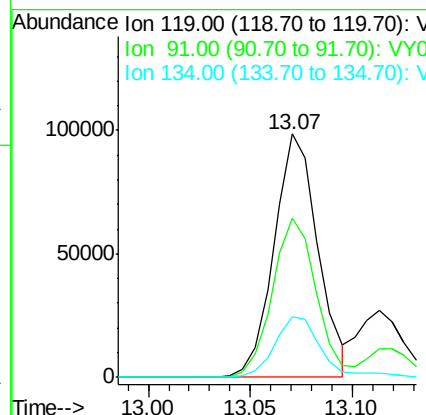
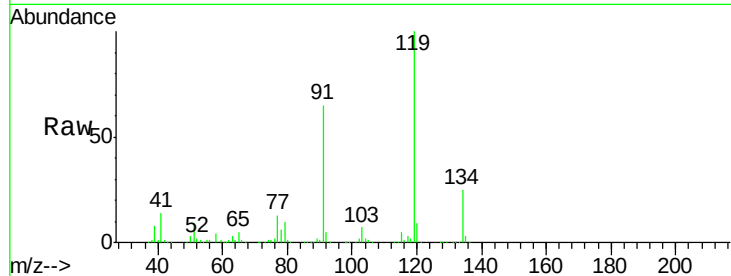
#83
 tert-Butylbenzene
 Concen: 20.473 ug/l
 RT: 13.07 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VY001238.D
 Acq: 15 Jan 2020 23:43

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0115SBS02

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.5	33.9	101.7
134	27.0	13.5	40.4

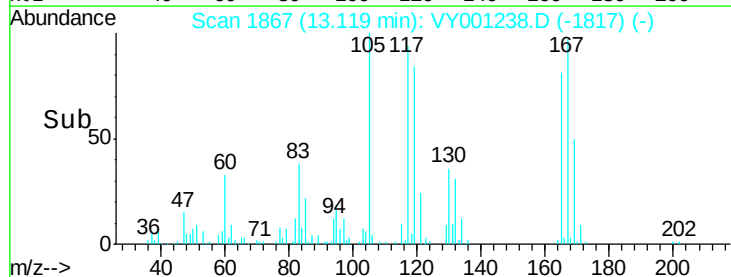
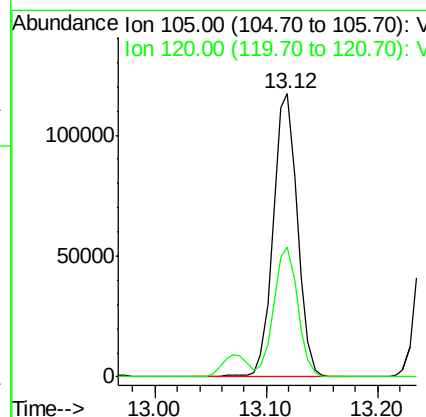
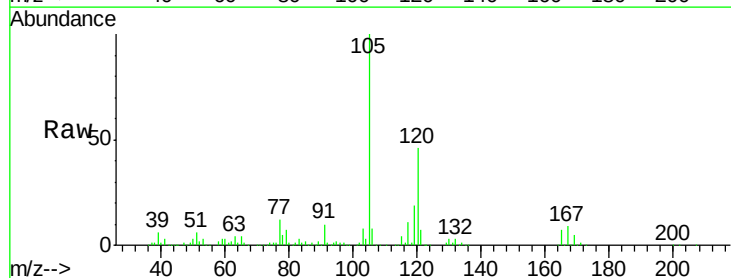
Manual Integrations
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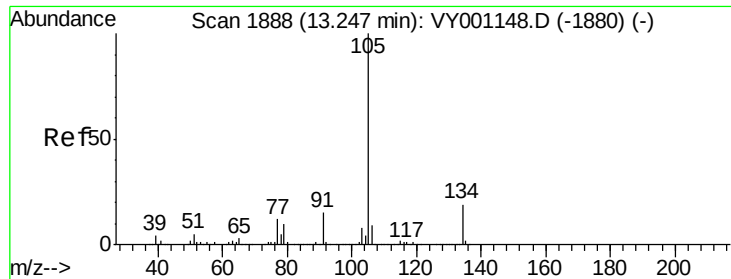
MMDadoda
 1/16/2020 9:36:49 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.802 ug/l
 RT: 13.12 min Scan# 1867
 Delta R.T. 0.01 min
 Lab File: VY001238.D
 Acq: 15 Jan 2020 23:43

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.4	22.8	68.3





#85

sec-Butylbenzene

Concen: 20.273 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. 0.01 min

Lab File: VY001238.D

Acq: 15 Jan 2020 23:43

Instrument :

MSVOA_Y

ClientSampleId :

VY0115SBS02

Tot Ion:105 Resp: 210437

Ion Ratio Lower Upper

105 100

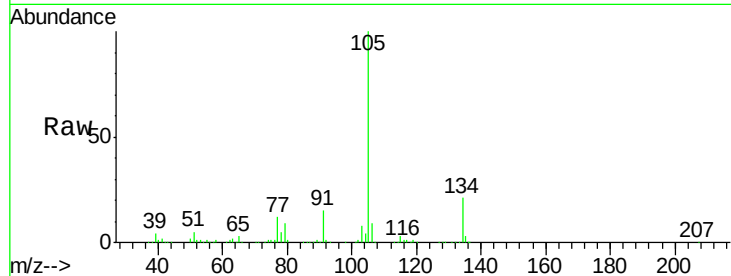
134 20.4 9.8 29.5

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.25

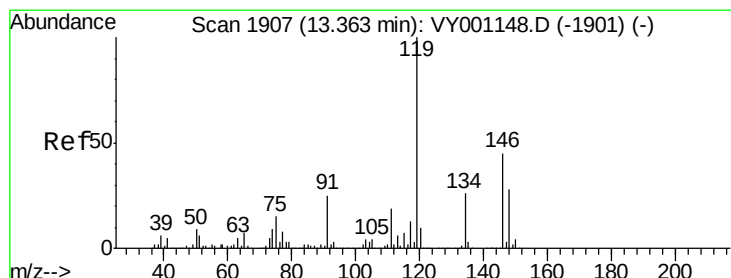
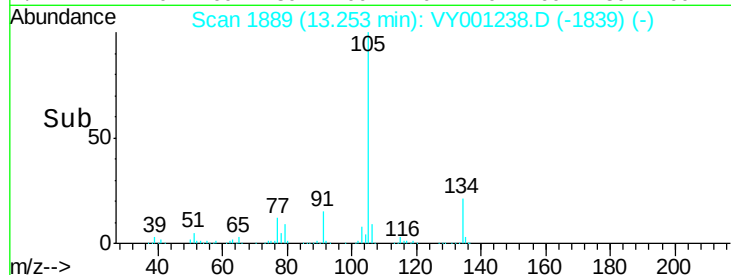
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 20.571 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. 0.01 min

Lab File: VY001238.D

Acq: 15 Jan 2020 23:43

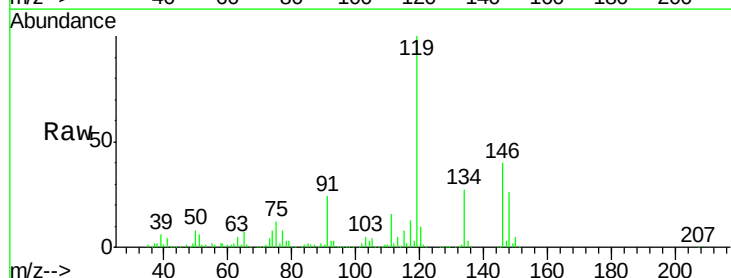
Tgt Ion:119 Resp: 185397

Ion Ratio Lower Upper

119 100

134 27.0 13.4 40.2

91 23.9 12.4 37.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0

13.37

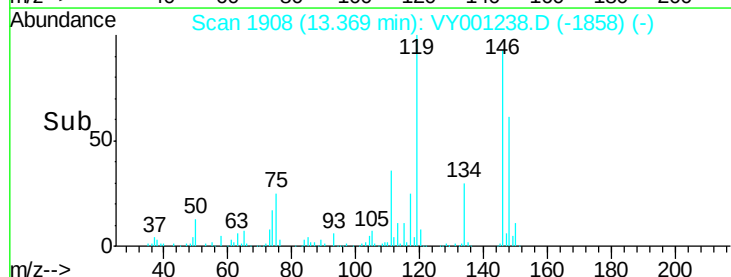
150000

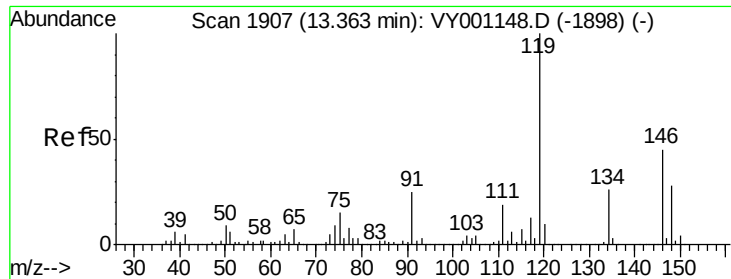
100000

50000

0

Time-->





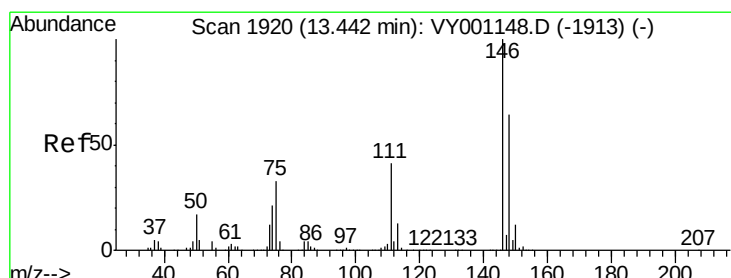
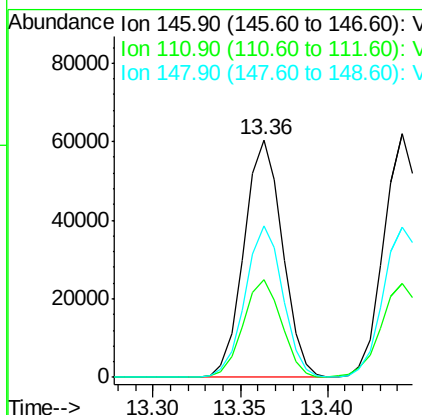
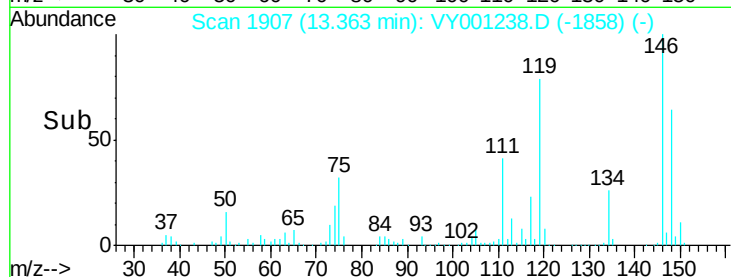
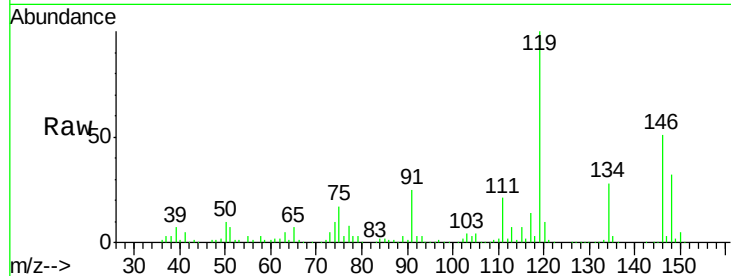
#87
 1,3-Dichlorobenzene
 Concen: 21.515 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. -0.00 min
 Lab File: VY001238.D
 Acq: 15 Jan 2020 23:43

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0115SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	21.3	64.0
148	62.3	31.9	95.5

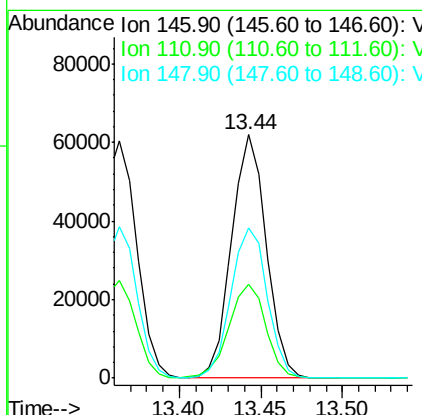
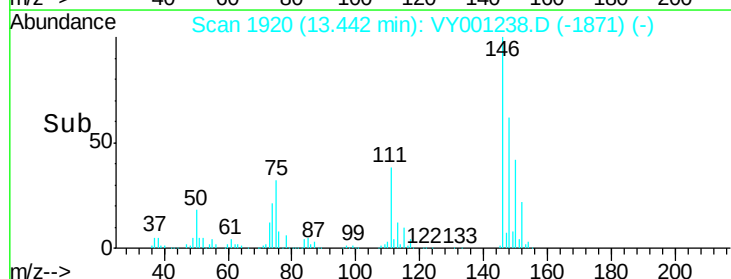
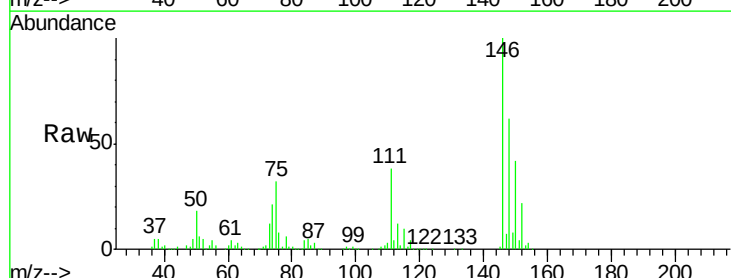
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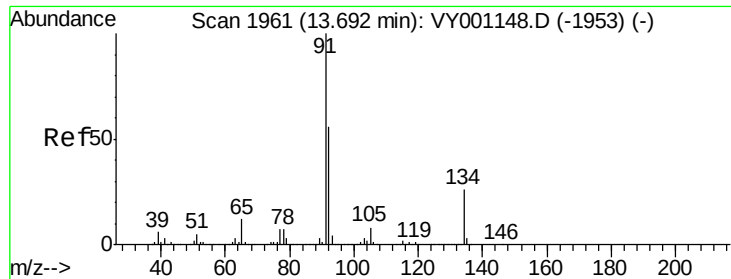
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#88
 1,4-Dichlorobenzene
 Concen: 20.757 ug/l
 RT: 13.44 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VY001238.D
 Acq: 15 Jan 2020 23:43

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.8	62.5
148	64.6	32.0	96.2





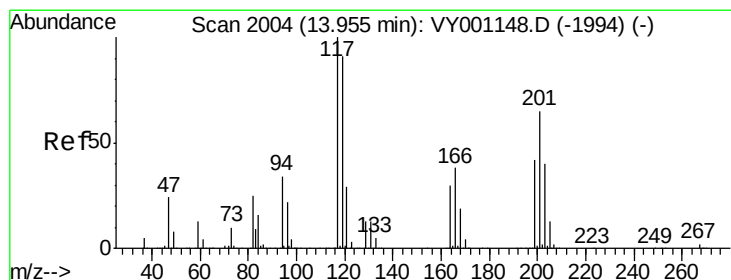
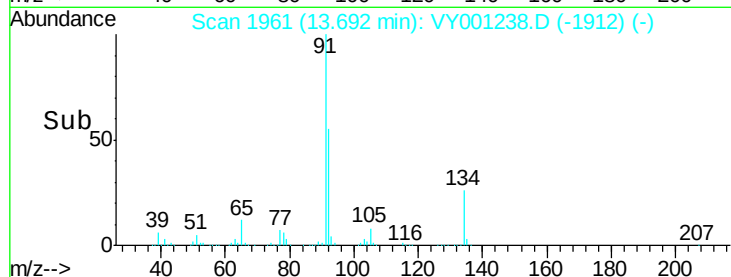
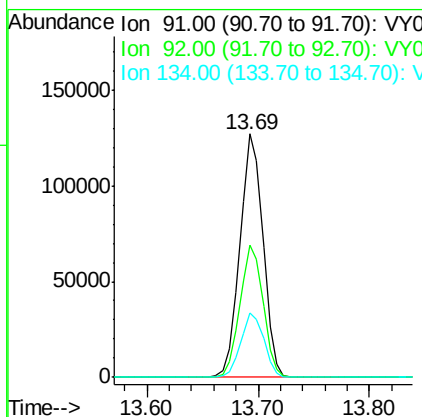
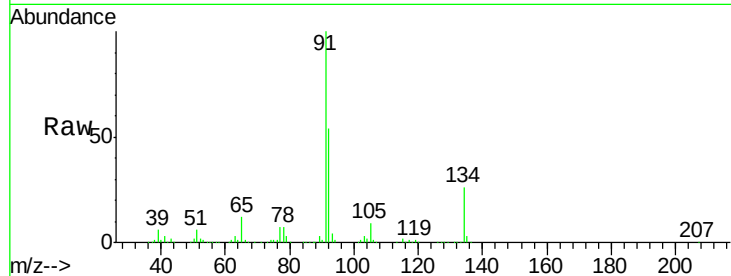
#89
n-Butylbenzene
Concen: 20.089 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. -0.00 min
Lab File: VY001238.D
Acq: 15 Jan 2020 23:43

Instrument :
MSVOA_Y
ClientSampleId :
VY0115SBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.5	27.7	83.1
134	26.6	12.9	38.6

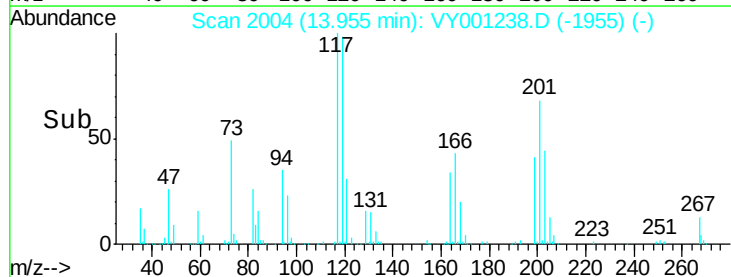
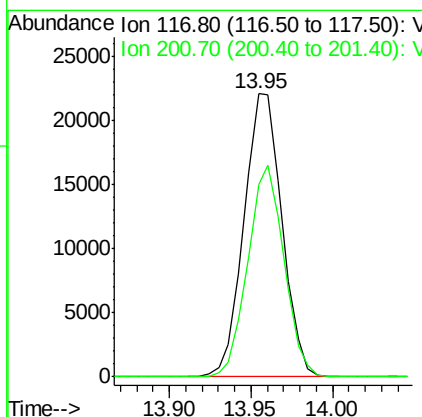
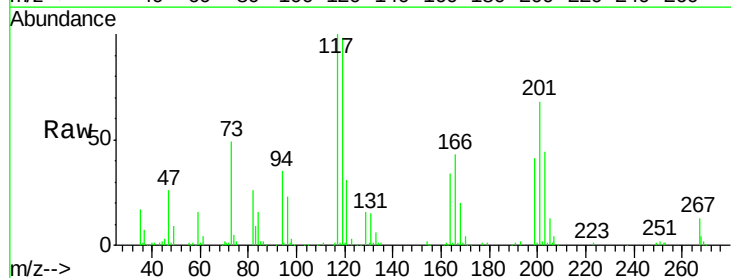
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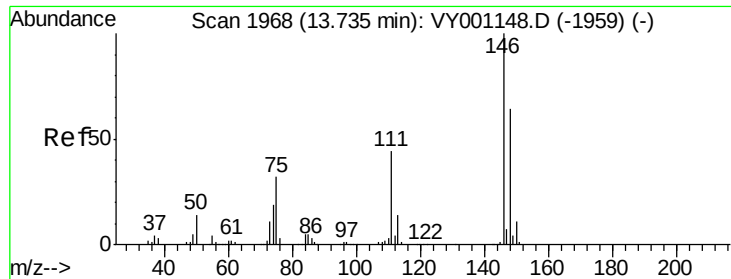
MMDadoda
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#90
Hexachloroethane
Concen: 20.378 ug/l
RT: 13.95 min Scan# 2004
Delta R.T. -0.00 min
Lab File: VY001238.D
Acq: 15 Jan 2020 23:43

Tgt Ion	Ratio	Lower	Upper
117	100		
201	71.1	35.4	106.2





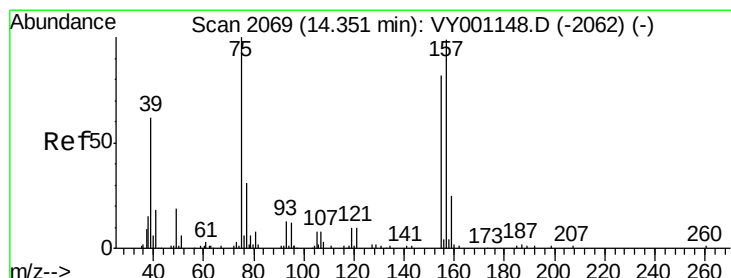
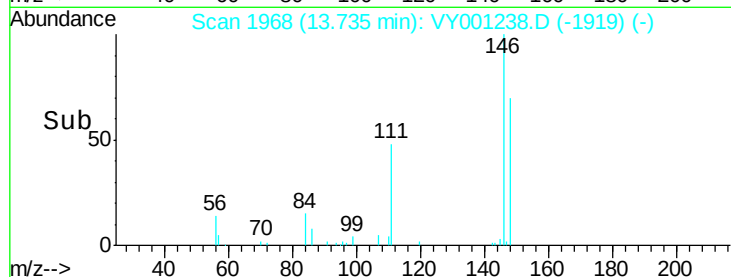
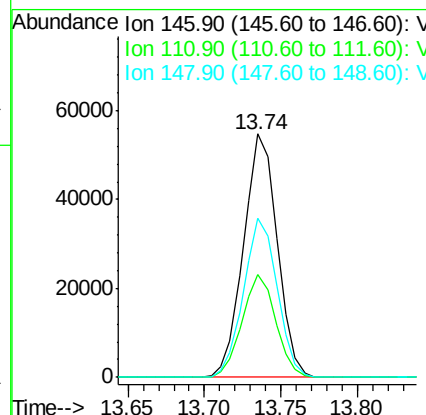
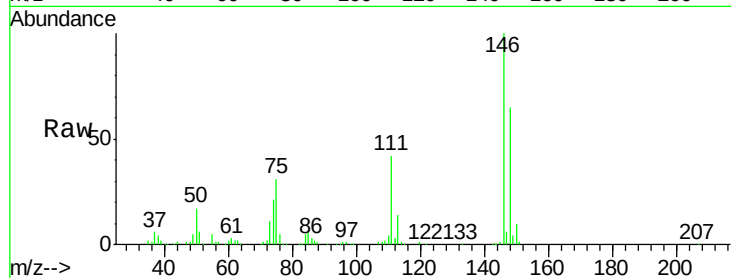
#91
 1,2-Dichlorobenzene
 Concen: 20.943 ug/l
 RT: 13.74 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: VY001238.D
 Acq: 15 Jan 2020 23:43

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0115SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.3	22.0	66.0
148	65.2	32.1	96.3

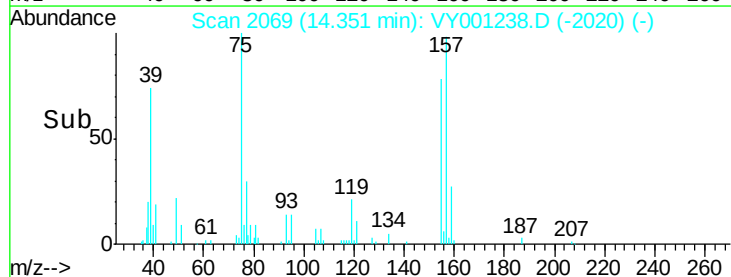
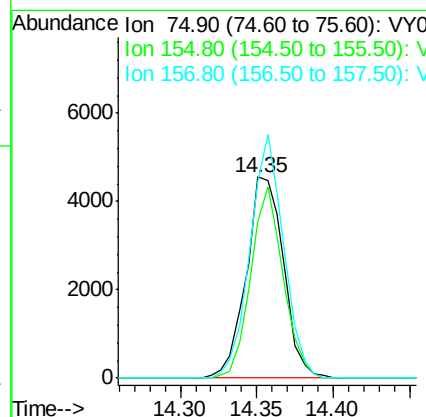
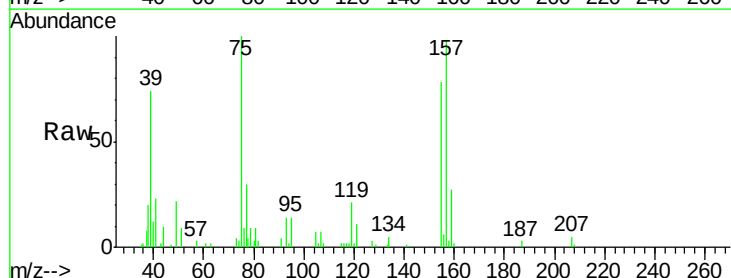
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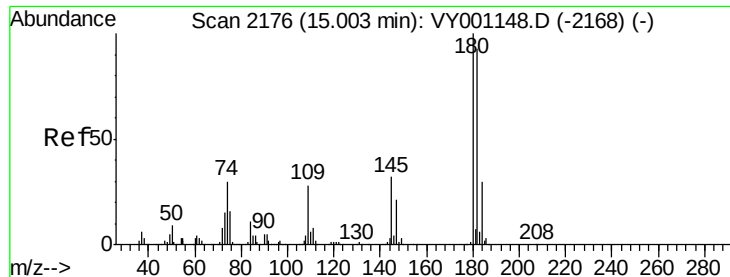
MMDadoda
 1/16/2020 9:36:49 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.803 ug/l
 RT: 14.35 min Scan# 2069
 Delta R.T. -0.00 min
 Lab File: VY001238.D
 Acq: 15 Jan 2020 23:43

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.3	41.2	123.6
157	108.4	52.8	158.4





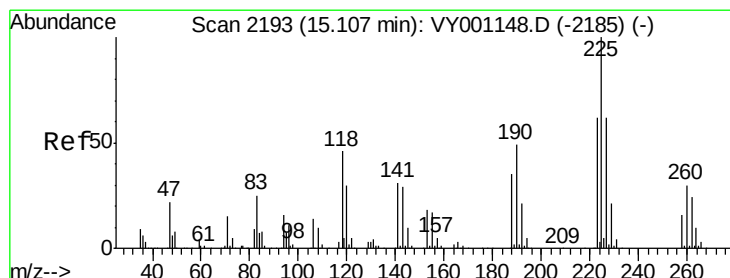
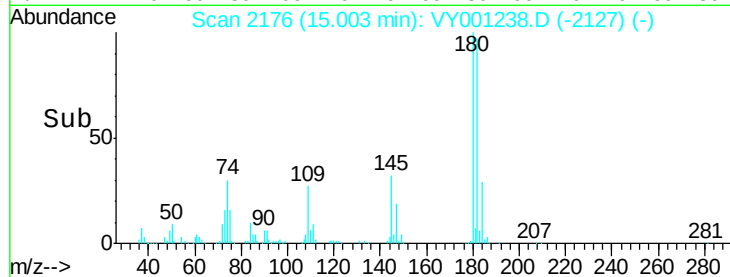
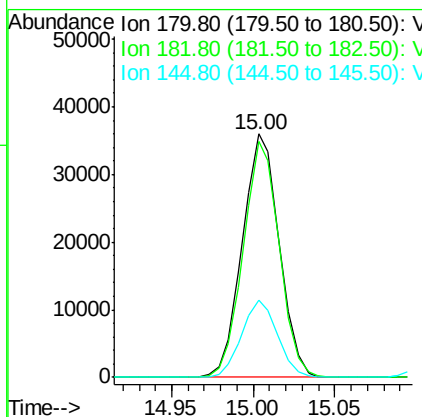
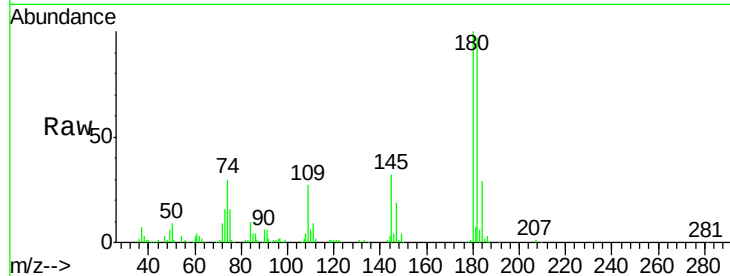
#93
 1,2,4-Trichlorobenzene
 Concen: 21.477 ug/l
 RT: 15.00 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VY001238.D
 Acq: 15 Jan 2020 23:43

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0115SBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	56561		
182	94.3	46.9	140.8	
145	31.0	16.0	48.0	

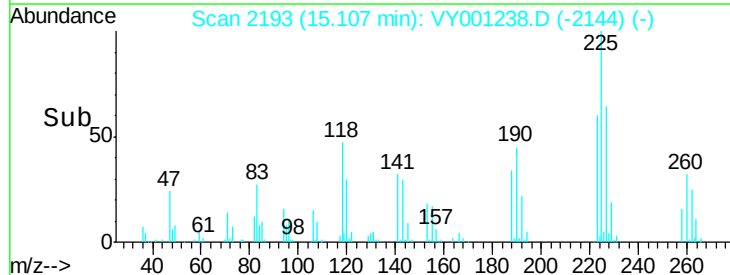
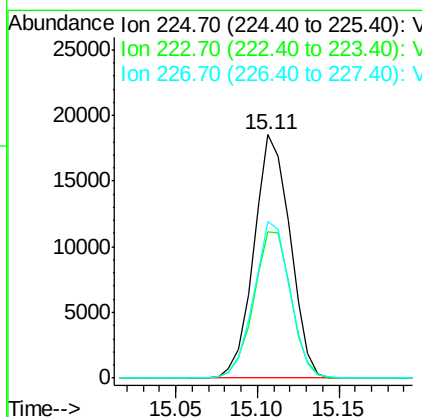
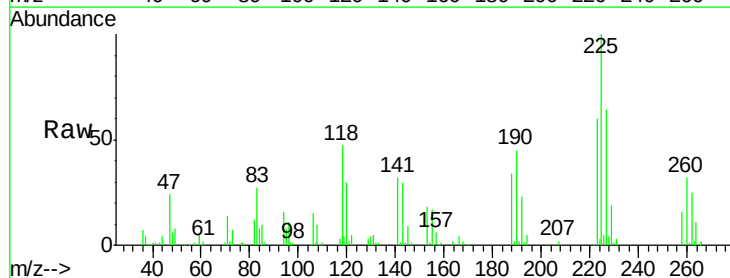
Manual Integrations
 APPROVED

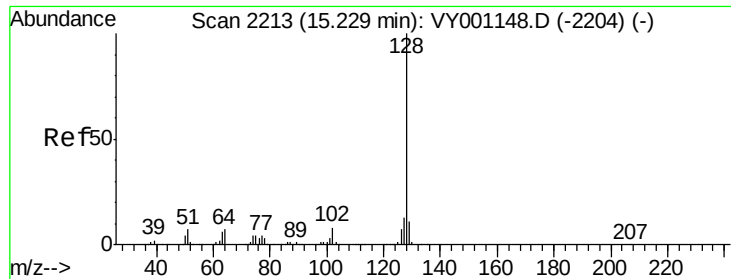
MMDadoda
 1/16/2020 9:36:49 AM



#94
 Hexachlorobutadiene
 Concen: 21.579 ug/l
 RT: 15.11 min Scan# 2193
 Delta R.T. -0.00 min
 Lab File: VY001238.D
 Acq: 15 Jan 2020 23:43

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	28630		
223	62.0	31.1	93.3	
227	64.0	31.3	93.9	





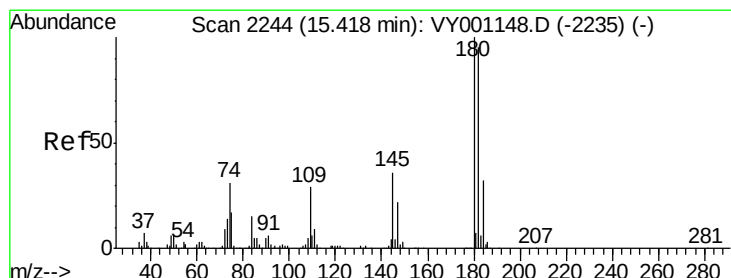
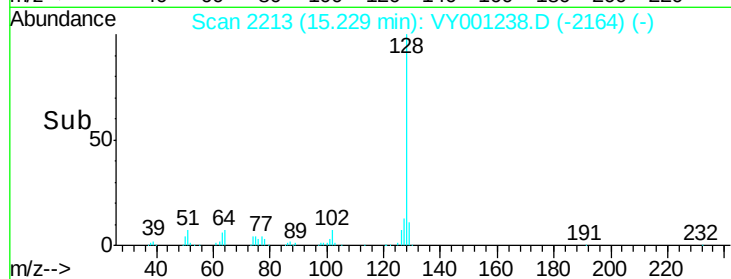
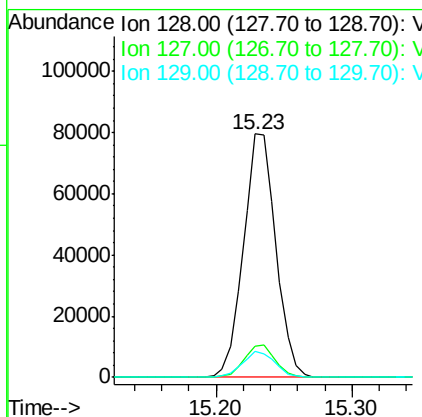
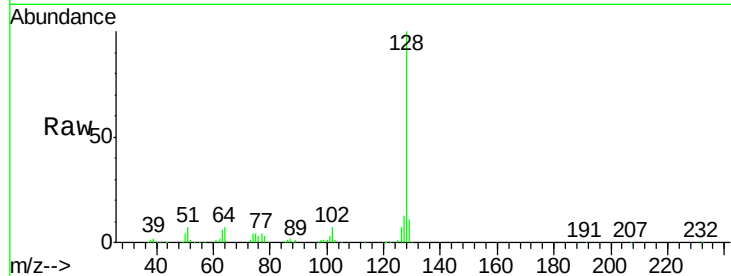
#95
Naphthalene
Concen: 21.569 ug/l
RT: 15.23 min Scan# 2213
Delta R.T. -0.00 min
Lab File: VY001238.D
Acq: 15 Jan 2020 23:43

Instrument :
MSVOA_Y
ClientSampleId :
VY0115SBS02

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.4
129	10.8	8.5	12.7

Manual Integrations
APPROVED

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1/16/2020 9:36:49 AM



#96
1,2,3-Trichlorobenzene
Concen: 21.803 ug/l
RT: 15.42 min Scan# 2244
Delta R.T. -0.00 min
Lab File: VY001238.D
Acq: 15 Jan 2020 23:43

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.9	47.5	142.5
145	33.9	17.1	51.3

