

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY071620\
 Data File : VY003205.D
 Acq On : 16 Jul 2020 13:00
 Operator : SY/MD
 Sample : VY0716SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0716SBS01

Manual Integrations
 APPROVED

MMDadoda
 7/17/2020 4:43:08 PM

Quant Time: Jul 17 05:45:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y071020S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 10 13:18:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	431034	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	629273	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	579285	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	305612	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	174794	48.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.10%	
35) Dibromofluoromethane	7.72	113	167592	46.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.56%	
50) Toluene-d8	10.18	98	616094	45.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.52%	
62) 4-Bromofluorobenzene	12.48	95	224155	46.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	71697	23.208	ug/l	98
3) Chloromethane	2.12	50	93953	21.925	ug/l	98
4) Vinyl Chloride	2.26	62	95238	21.661	ug/l	100
5) Bromomethane	2.64	94	69659	21.331	ug/l	97
6) Chloroethane	2.79	64	60099	20.811	ug/l	98
7) Trichlorofluoromethane	3.13	101	134950	21.493	ug/l	97
8) Diethyl Ether	3.53	74	44717	21.253	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.91	101	77635	20.473	ug/l	99
10) Methyl Iodide	4.10	142	75823	18.404	ug/l	100
11) Tert butyl alcohol	4.97	59	43412	110.353	ug/l	99
12) 1,1-Dichloroethene	3.88	96	73333	20.445	ug/l	97
13) Acrolein	3.74	56	32491	95.155	ug/l	97
14) Allyl chloride	4.48	41	122412	23.000	ug/l	98
15) Acrylonitrile	5.18	53	109929	108.766	ug/l	98
16) Acetone	3.95	43	89771	110.469	ug/l	91
17) Carbon Disulfide	4.20	76	234067	21.267	ug/l	98
18) Methyl Acetate	4.49	43	49680	22.014	ug/l	97
19) Methyl tert-butyl Ether	5.23	73	208705	20.764	ug/l	99
20) Methylene Chloride	4.72	84	124098	27.925	ug/l	97
21) trans-1,2-Dichloroethene	5.23	96	82264	20.278	ug/l	92
22) Diisopropyl ether	6.13	45	265698	22.494	ug/l	98
23) Vinyl Acetate	6.07	43	869617	110.457	ug/l	97
24) 1,1-Dichloroethane	6.02	63	147800	21.598	ug/l	98
25) 2-Butanone	6.99	43	148724	111.464	ug/l	96
26) 2,2-Dichloropropane	6.99	77	133567	21.673	ug/l	99
27) cis-1,2-Dichloroethene	6.99	96	91980	20.593	ug/l	97
28) Bromochloromethane	7.34	49	68552	23.138	ug/l	93
29) Tetrahydrofuran	7.35	42	100398	112.008	ug/l	94
30) Chloroform	7.52	83	144778	20.541	ug/l	97
31) Cyclohexane	7.79	56	146436	22.129	ug/l	93
32) 1,1,1-Trichloroethane	7.71	97	133517	21.043	ug/l	99
36) 1,1-Dichloropropene	7.93	75	118015	20.692	ug/l	98
37) Ethyl Acetate	7.08	43	69340	22.576	ug/l	97
38) Carbon Tetrachloride	7.91	117	122755	20.849	ug/l	98

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 Quant Title : SW846 8260
 QLast Update : Fri Jul 10 13:18:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	146475	20.444	ug/l	94
40) Benzene	8.16	78	326450	20.788	ug/l	96
41) Methacrylonitrile	7.33	41	41768m	22.580	ug/l	
42) 1,2-Dichloroethane	8.24	62	98955	20.468	ug/l	98
43) Isopropyl Acetate	8.28	43	130722	21.988	ug/l	98
44) Trichloroethene	8.94	130	93107	19.341	ug/l	96
45) 1,2-Dichloropropane	9.22	63	84271	20.739	ug/l	97
46) Dibromomethane	9.31	93	47084	19.839	ug/l	98
47) Bromodichloromethane	9.50	83	115010	20.375	ug/l	98
48) Methyl methacrylate	9.30	41	58931	22.173	ug/l	92
49) 1,4-Dioxane	9.30	88	12313	408.780	ug/l	90
51) 4-Methyl-2-Pentanone	10.07	43	337934	109.361	ug/l	98
52) Toluene	10.24	92	206395	20.563	ug/l	98
53) t-1,3-Dichloropropene	10.47	75	120924	20.677	ug/l	97
54) cis-1,3-Dichloropropene	9.93	75	138187	20.508	ug/l	99
55) 1,1,2-Trichloroethane	10.64	97	66489	19.770	ug/l	98
56) Ethyl methacrylate	10.51	69	94297	20.624	ug/l	96
57) 1,3-Dichloropropane	10.79	76	117651	20.632	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	255756	109.680	ug/l	96
59) 2-Hexanone	10.83	43	234476	108.700	ug/l	98
60) Dibromochloromethane	10.99	129	83790	19.809	ug/l	100
61) 1,2-Dibromoethane	11.09	107	65984	19.879	ug/l	95
64) Tetrachloroethene	10.72	164	97105	18.800	ug/l	97
65) Chlorobenzene	11.52	112	223112	19.993	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	84467	19.488	ug/l	98
67) Ethyl Benzene	11.59	91	401651	20.158	ug/l	97
68) m/p-Xylenes	11.70	106	302393	39.998	ug/l	97
69) o-Xylene	12.03	106	141525	20.038	ug/l	99
70) Styrene	12.04	104	240319	19.890	ug/l	99
71) Bromoform	12.20	173	55974	19.676	ug/l	99
73) Isopropylbenzene	12.33	105	389964	20.023	ug/l	100
74) N-amyl acetate	12.14	43	120512	22.053	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.58	83	76868	20.436	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	54279m	20.065	ug/l	
77) Bromobenzene	12.61	156	98439	19.829	ug/l	97
78) n-propylbenzene	12.67	91	480496	20.930	ug/l	98
79) 2-Chlorotoluene	12.75	91	260532	20.341	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	331490	20.422	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	27998	20.143	ug/l	96
82) 4-Chlorotoluene	12.85	91	277319	20.744	ug/l	99
83) tert-Butylbenzene	13.07	119	295660	20.643	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	332596	20.365	ug/l	98
85) sec-Butylbenzene	13.25	105	405416	20.595	ug/l	99
86) p-Isopropyltoluene	13.37	119	375745	20.442	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	186471	19.863	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	182912	19.680	ug/l	97
89) n-Butylbenzene	13.69	91	363617	21.032	ug/l	99
90) Hexachloroethane	13.96	117	69392	20.731	ug/l	98
91) 1,2-Dichlorobenzene	13.74	146	166603	20.222	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	12439	20.398	ug/l	93

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ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0716SBSD01

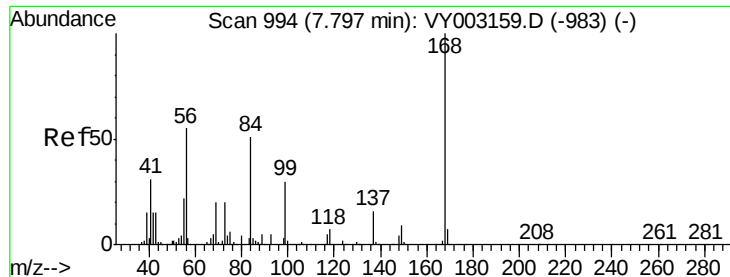
Manual Integrations
APPROVED

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7/17/2020 4:43:08 PM

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Quant Title : SW846 8260
QLast Update : Fri Jul 10 13:18:03 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	115642	19.731	ug/l	98
94) Hexachlorobutadiene	15.11	225	82442	20.528	ug/l	99
95) Naphthalene	15.23	128	183325	18.926	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	87243	18.831	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.00 min

Lab File: VY003205.D

Acq: 16 Jul 2020 13:00

Instrument :

MSVOA_Y

ClientSampleId :

VY0716SBSD01

Tot Ion:168 Resp: 431034

Ion Ratio Lower Upper

168 100

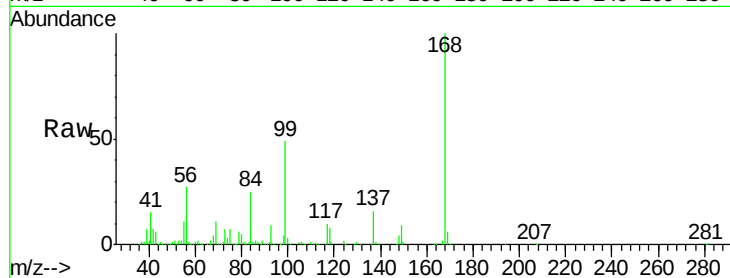
99 48.7 37.3 55.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VY003159.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY003159.D (-983) (-)

7.80

200000

150000

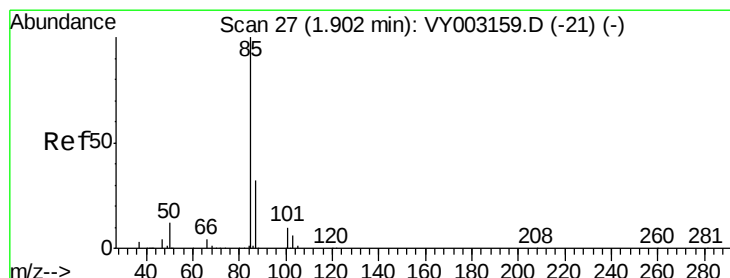
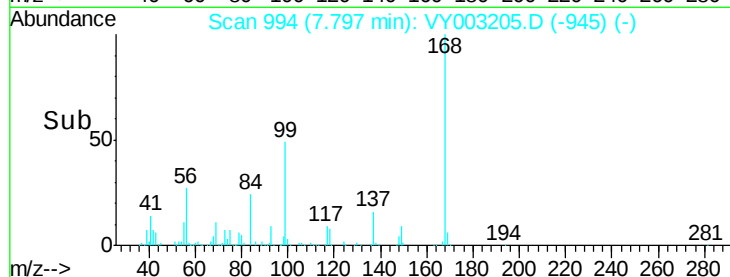
100000

50000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 23.208 ug/l

RT: 1.90 min Scan# 27

Delta R.T. 0.00 min

Lab File: VY003205.D

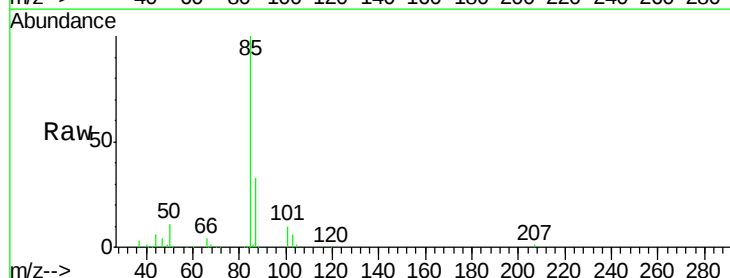
Acq: 16 Jul 2020 13:00

Tgt Ion: 85 Resp: 71697

Ion Ratio Lower Upper

85 100

87 32.9 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VY003159.D (-21) (-)

Ion 86.90 (86.60 to 87.60): VY003159.D (-21) (-)

1.90

50000

40000

30000

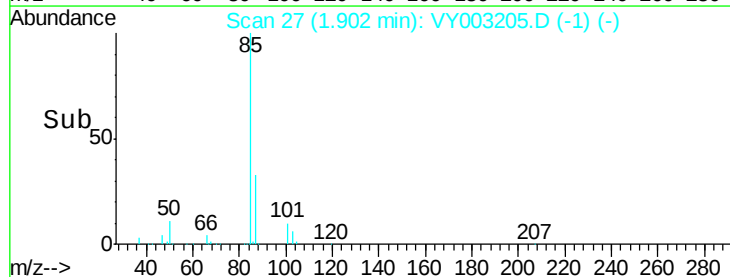
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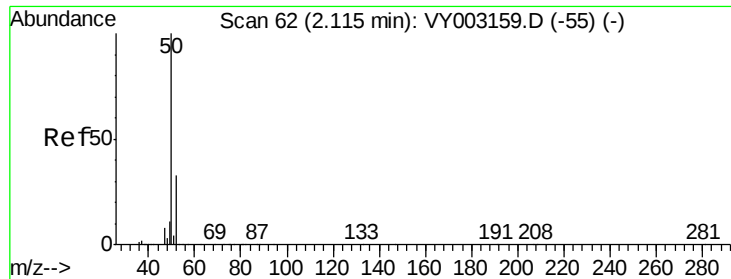
10000

0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 21.925 ug/l

RT: 2.12 min Scan# 62

Delta R.T. 0.00 min

Lab File: VY003205.D

Acq: 16 Jul 2020 13:00

Instrument :

MSVOA_Y

ClientSampleId :

VY0716SBSD01

Tot Ion: 50 Resp: 93953

Ion Ratio Lower Upper

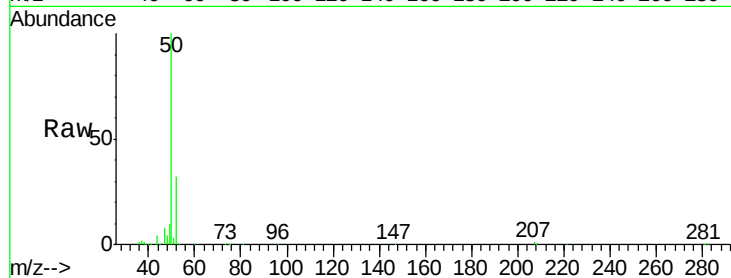
50 100

52 32.3 26.6 39.8

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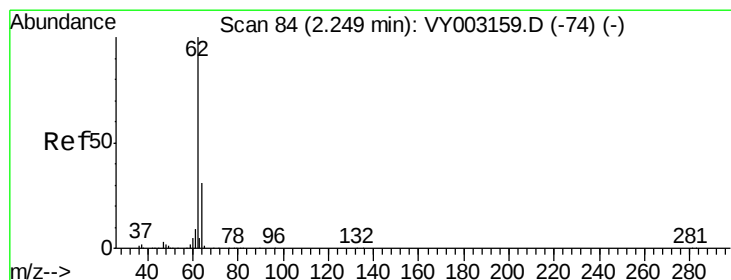
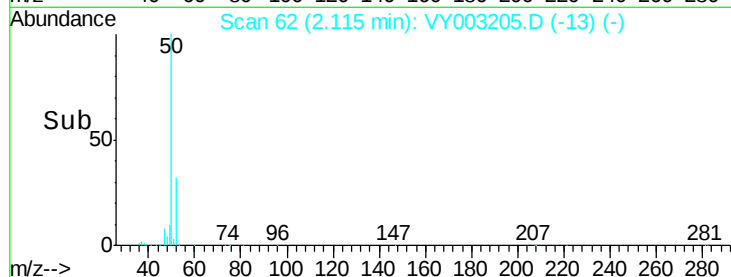
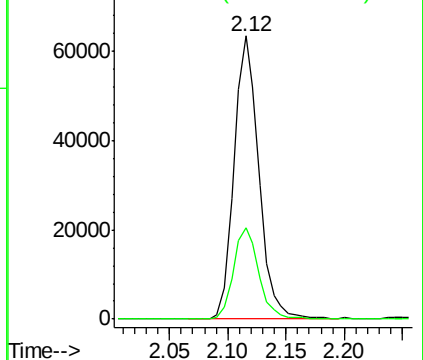
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Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 21.661 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.01 min

Lab File: VY003205.D

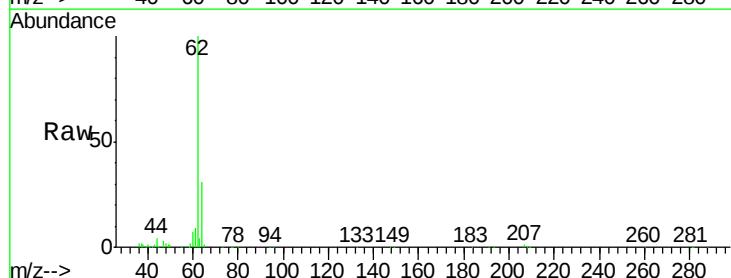
Acq: 16 Jul 2020 13:00

Tgt Ion: 62 Resp: 95238

Ion Ratio Lower Upper

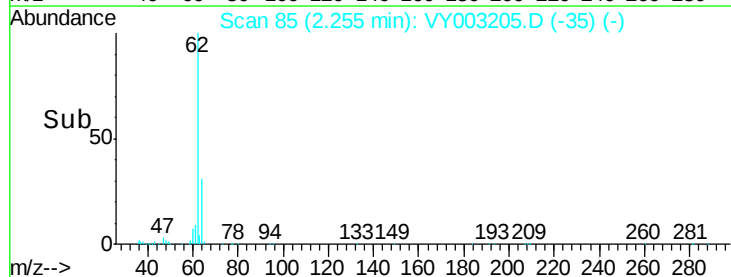
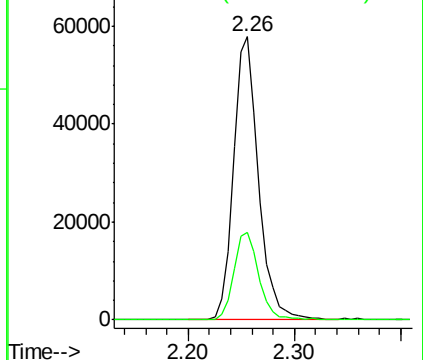
62 100

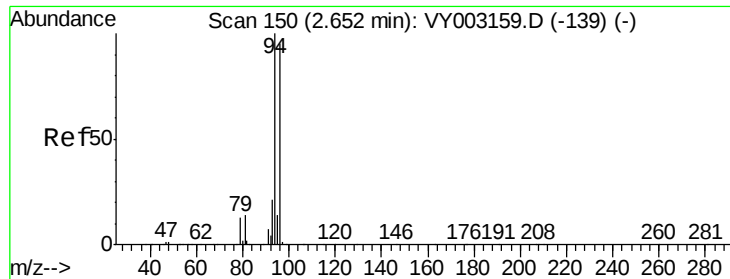
64 30.8 24.6 37.0



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 21.331 ug/l

RT: 2.64 min Scan# 148

Delta R.T. -0.01 min

Lab File: VY003205.D

Acq: 16 Jul 2020 13:00

Instrument :

MSVOA_Y

ClientSampleId :

VY0716SBS01

Tot Ion: 94 Resp: 69659

Ion Ratio Lower Upper

94 100

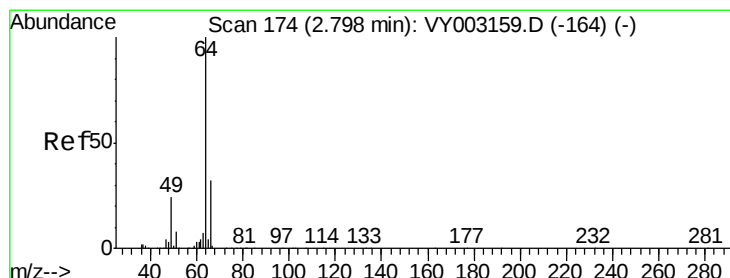
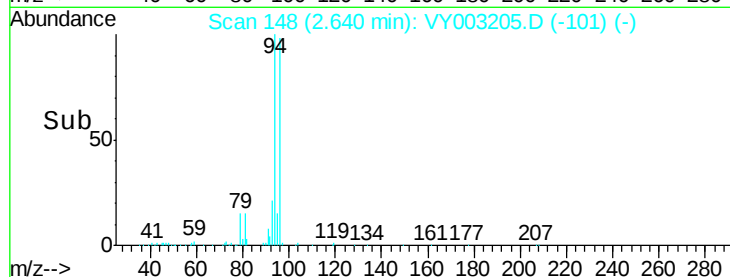
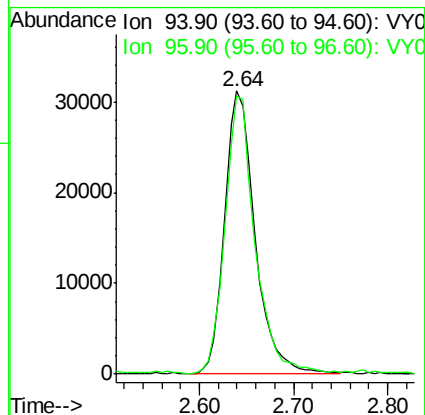
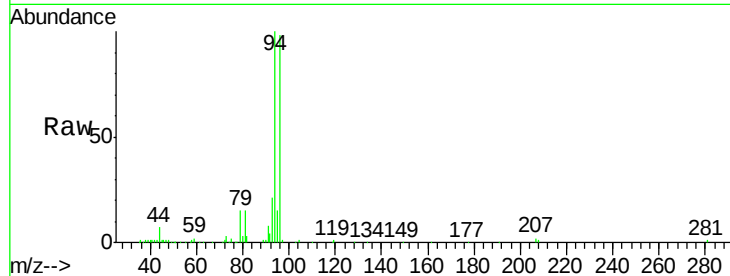
96 98.1 76.0 114.0

Manual Integrations

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#6

Chloroethane

Concen: 20.811 ug/l

RT: 2.79 min Scan# 173

Delta R.T. -0.01 min

Lab File: VY003205.D

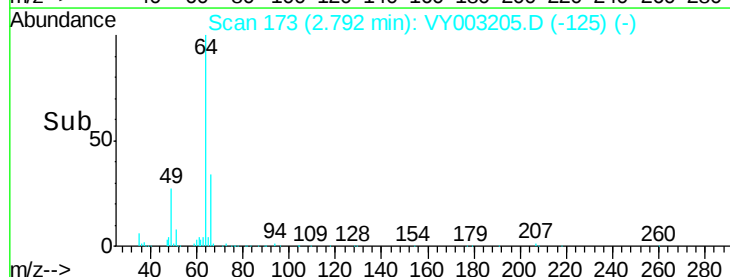
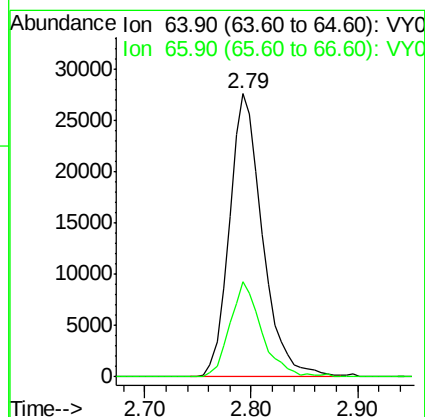
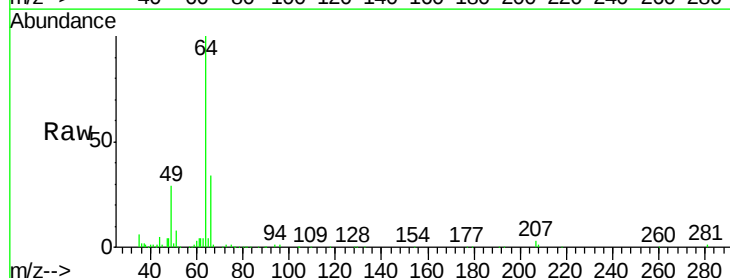
Acq: 16 Jul 2020 13:00

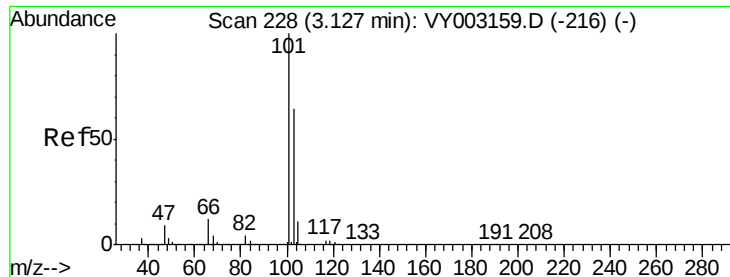
Tgt Ion: 64 Resp: 60099

Ion Ratio Lower Upper

64 100

66 33.6 26.0 39.0





#7

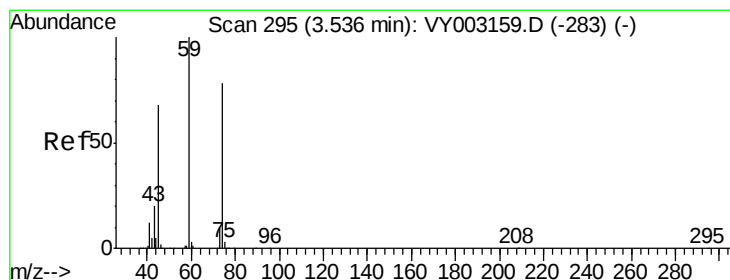
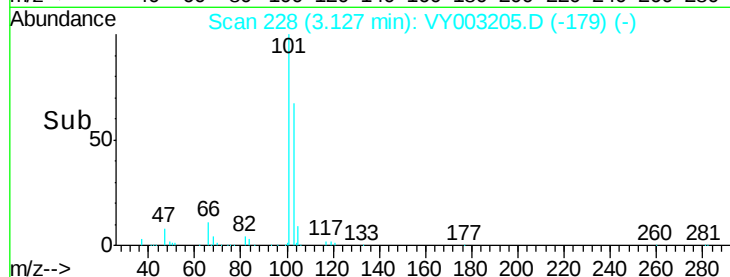
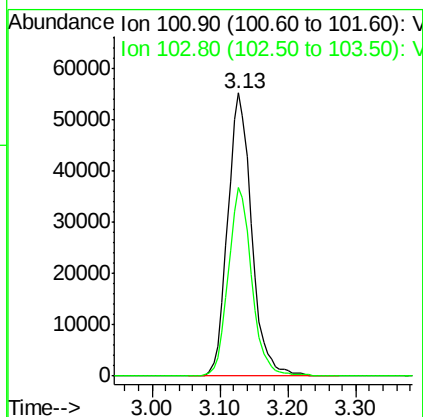
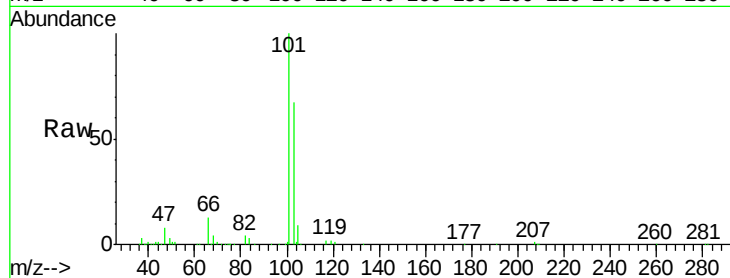
Trichlorofluoromethane
Concen: 21.493 ug/l
RT: 3.13 min Scan# 228
Delta R.T. 0.00 min
Lab File: VY003205.D
Acq: 16 Jul 2020 13:00

Instrument :
MSVOA_Y
ClientSampleId :
VY0716SBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.8	51.3	76.9

Manual Integrations
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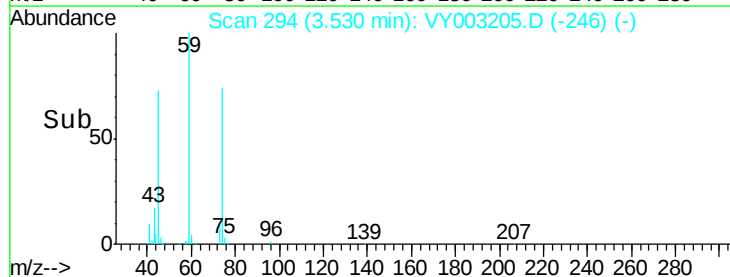
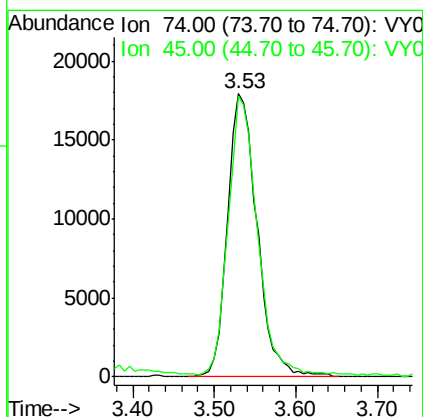
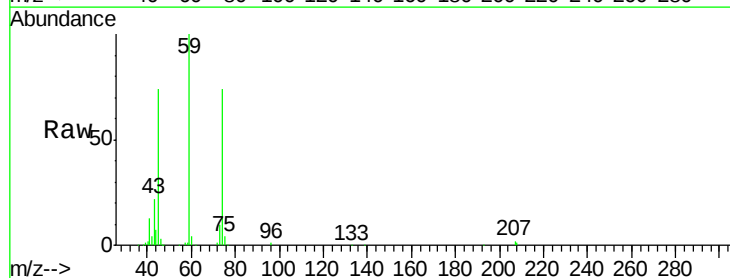
MMDadoda
7/17/2020 4:43:08 PM

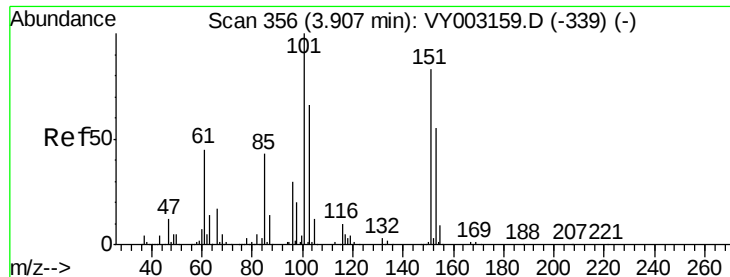


#8

Diethyl Ether
Concen: 21.253 ug/l
RT: 3.53 min Scan# 294
Delta R.T. -0.01 min
Lab File: VY003205.D
Acq: 16 Jul 2020 13:00

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.3	45.3	135.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.473 ug/l

RT: 3.91 min Scan# 356

Delta R.T. 0.00 min

Lab File: VY003205.D

Acq: 16 Jul 2020 13:00

Instrument :

MSVOA_Y

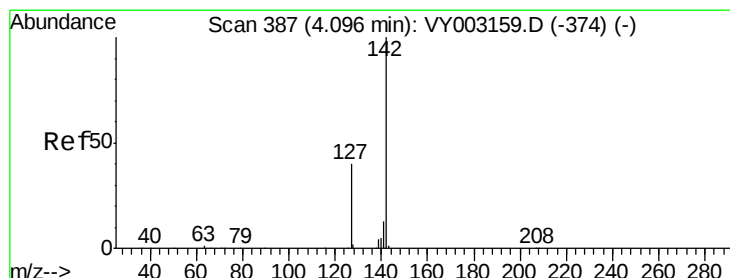
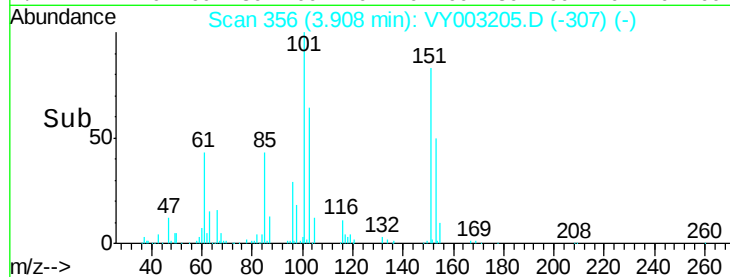
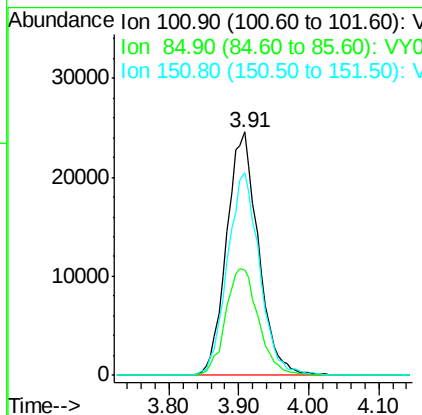
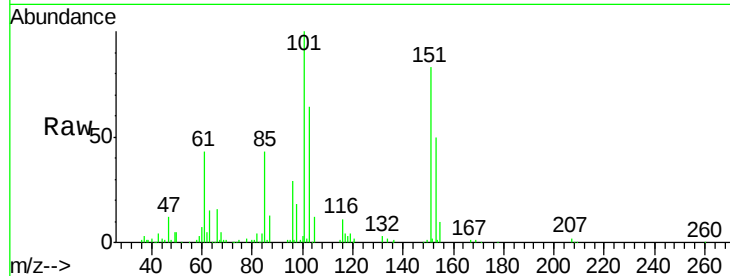
ClientSampleId :

VY0716SBSD01

Tot Ion:	101	Resp:	77635
Ion Ratio	Lower	Upper	
101	100		
85	45.3	34.9	52.3
151	84.2	67.0	100.6

Manual Integrations
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#10

Methyl Iodide

Concen: 18.404 ug/l

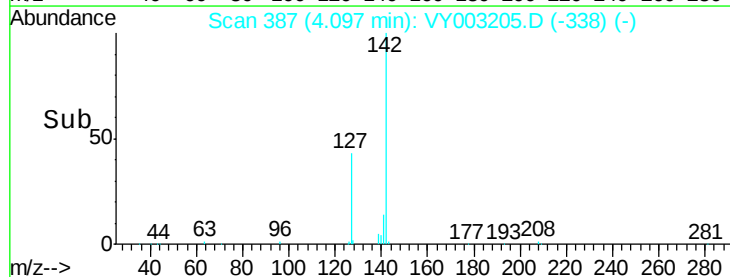
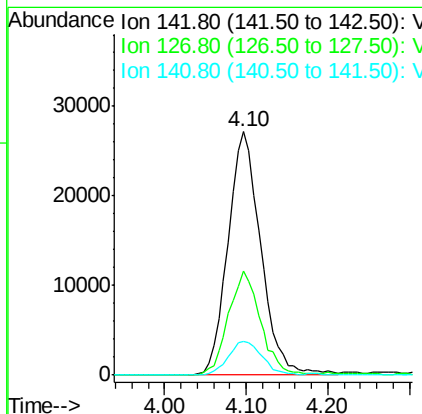
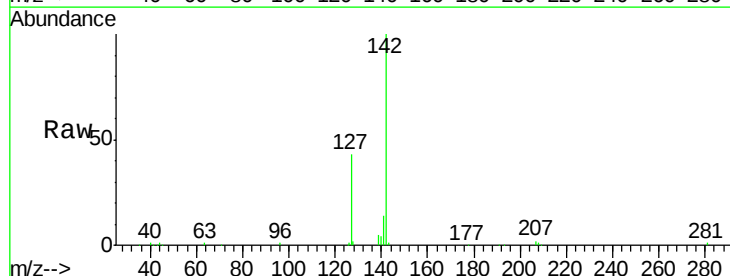
RT: 4.10 min Scan# 387

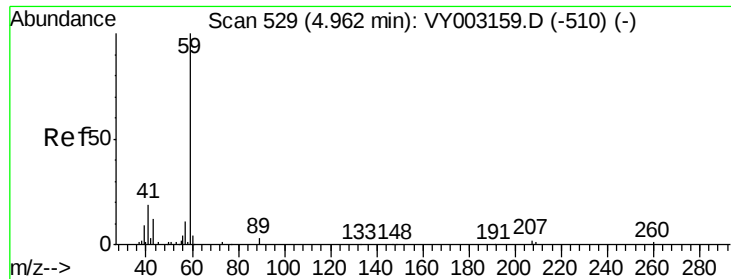
Delta R.T. 0.00 min

Lab File: VY003205.D

Acq: 16 Jul 2020 13:00

Tgt Ion:	142	Resp:	75823
Ion Ratio	Lower	Upper	
142	100		
127	41.9	33.5	50.3
141	14.4	11.2	16.8





#11

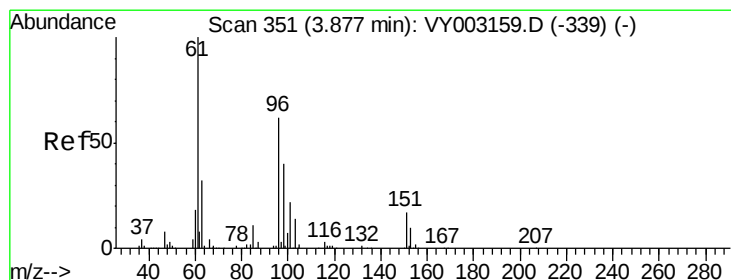
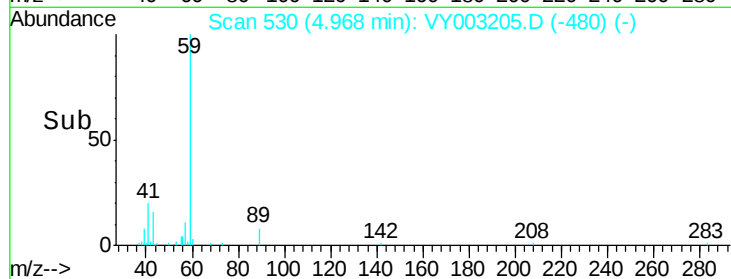
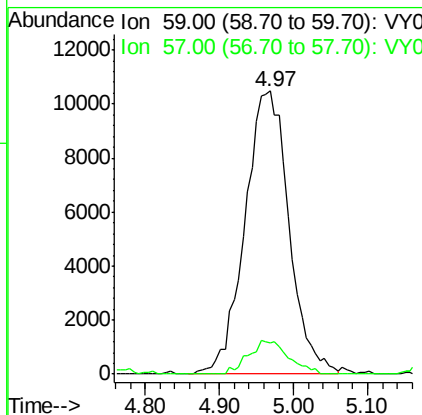
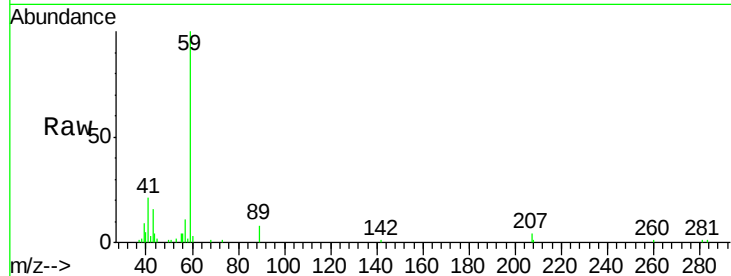
Tert butyl alcohol
Concen: 110.353 ug/l
RT: 4.97 min Scan# 530
Delta R.T. 0.01 min
Lab File: VY003205.D
Acq: 16 Jul 2020 13:00

Instrument :
MSVOA_Y
ClientSampleId :
VY0716SBS01

Tot Ion	59	Resp	43412
Ion Ratio	100	Lower	Upper
57	10.8	8.4	12.6

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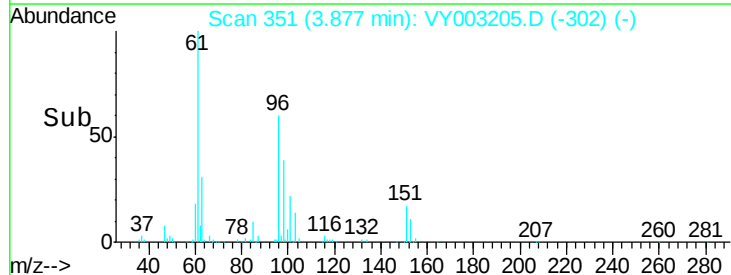
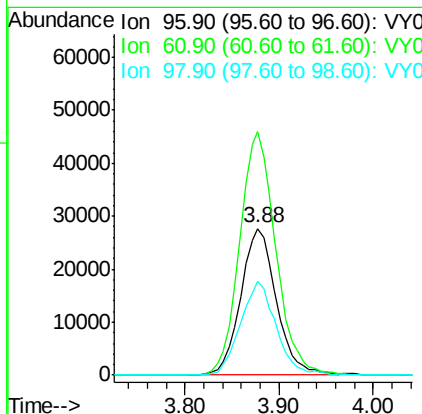
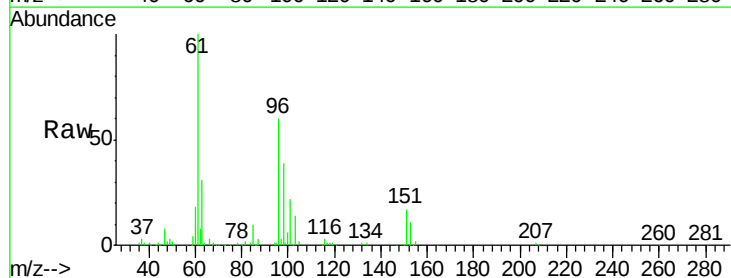
MMDadoda
7/17/2020 4:43:08 PM

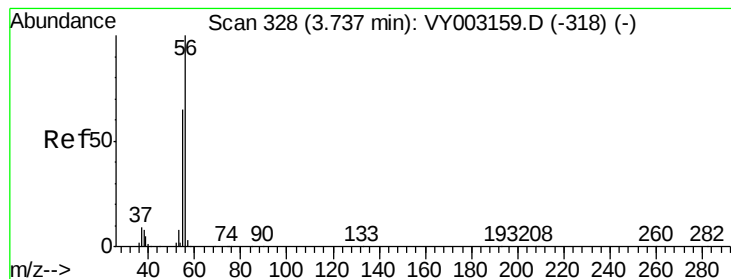


#12

1,1-Dichloroethene
Concen: 20.445 ug/l
RT: 3.88 min Scan# 351
Delta R.T. 0.00 min
Lab File: VY003205.D
Acq: 16 Jul 2020 13:00

Tgt Ion	96	Resp	73333
Ion Ratio	100	Lower	Upper
61	166.2	128.6	193.0
98	64.1	51.6	77.4





#13

Acrolein

Concen: 95.155 ug/l

RT: 3.74 min Scan# 328

Delta R.T. 0.00 min

Lab File: VY003205.D

Acq: 16 Jul 2020 13:00

Instrument :

MSVOA_Y

ClientSampleId :

VY0716SBS01

Tot Ion: 56 Resp: 32491

Ion Ratio Lower Upper

56 100

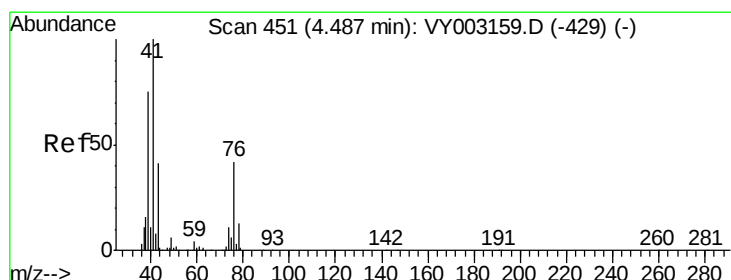
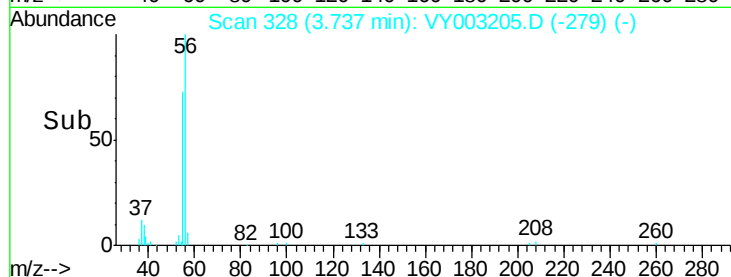
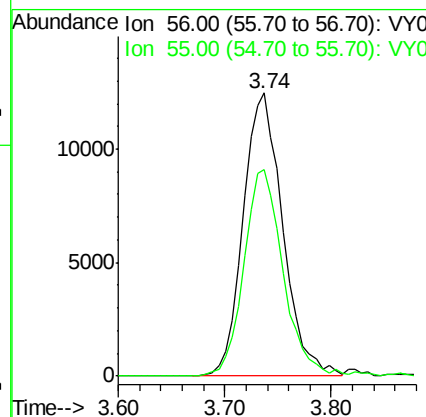
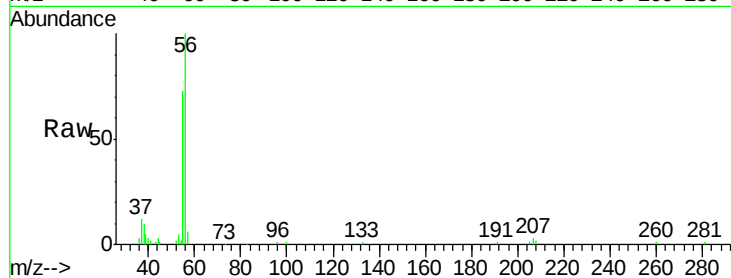
55 72.3 56.0 84.0

Manual Integrations

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#14

Allyl chloride

Concen: 23.000 ug/l

RT: 4.48 min Scan# 450

Delta R.T. -0.01 min

Lab File: VY003205.D

Acq: 16 Jul 2020 13:00

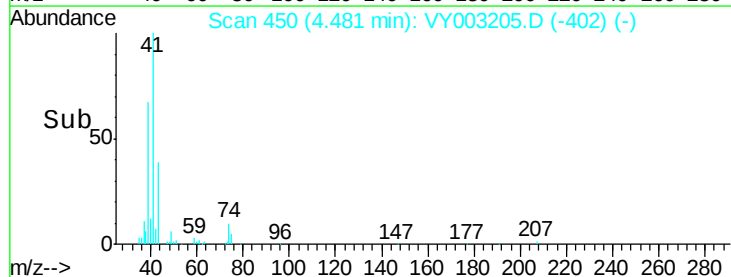
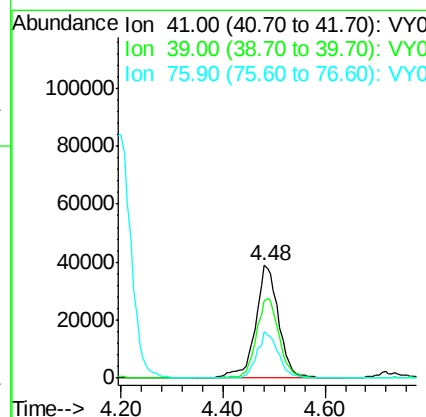
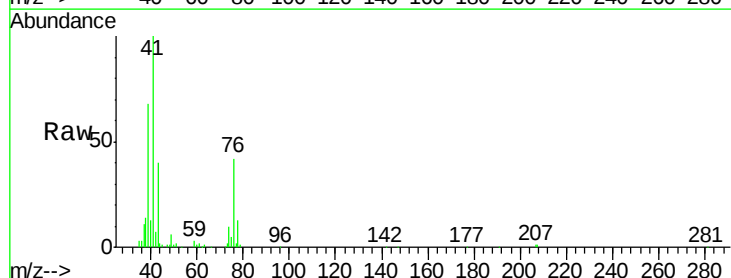
Tgt Ion: 41 Resp: 122412

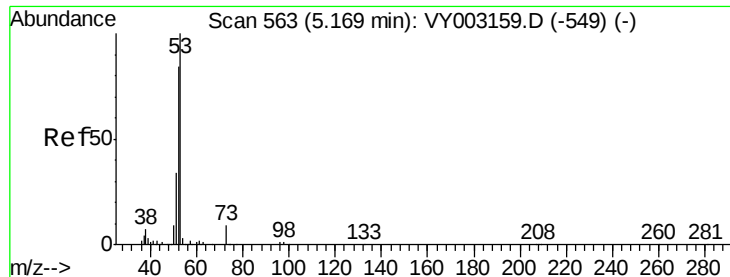
Ion Ratio Lower Upper

41 100

39 69.9 56.6 85.0

76 37.5 31.6 47.4





#15

Acrylonitrile

Concen: 108.766 ug/l

RT: 5.18 min Scan# 564

Delta R.T. 0.01 min

Lab File: VY003205.D

Acq: 16 Jul 2020 13:00

Instrument :

MSVOA_Y

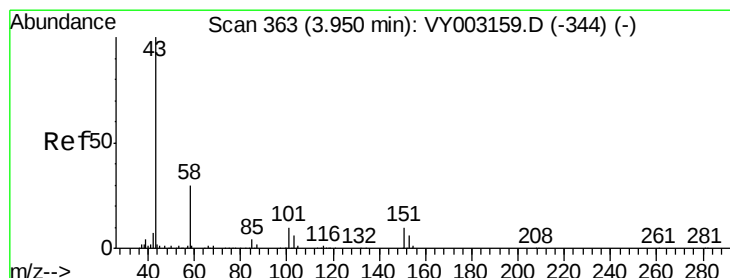
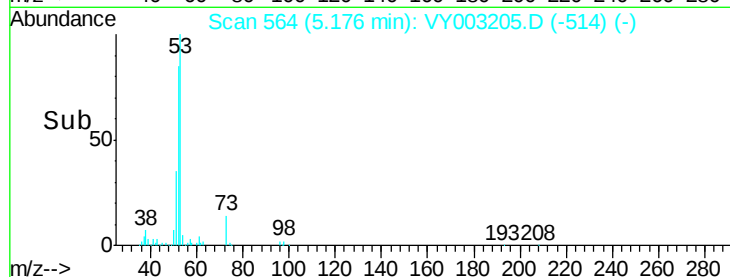
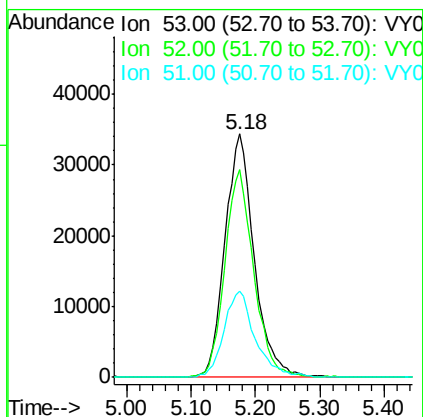
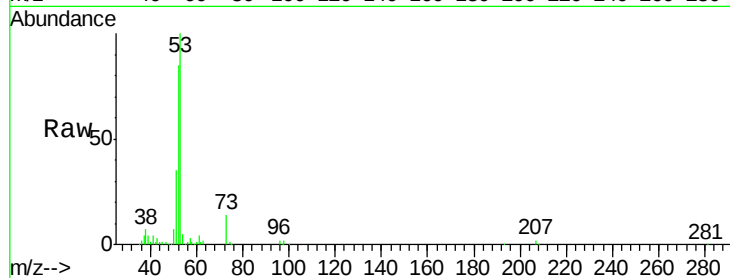
ClientSampleId :

VY0716SBS01

Tot Ion:	53	Resp:	109929
Ion Ratio	Lower	Upper	
53	100		
52	84.0	65.8	98.6
51	37.3	29.0	43.4

Manual Integrations
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#16

Acetone

Concen: 110.469 ug/l

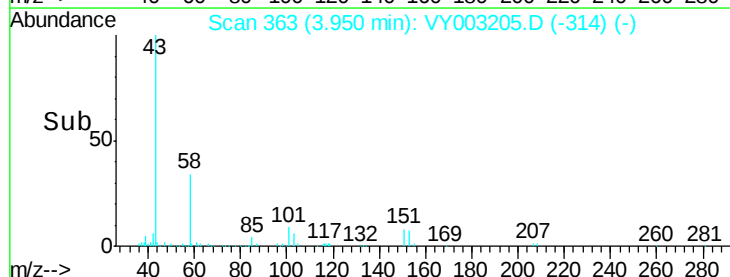
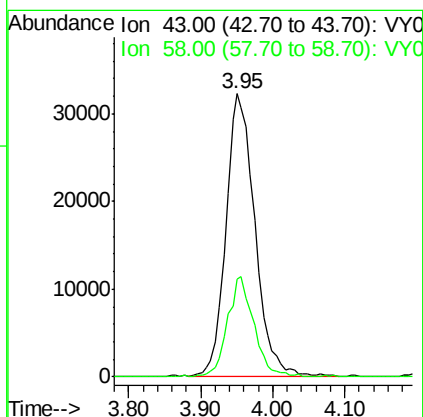
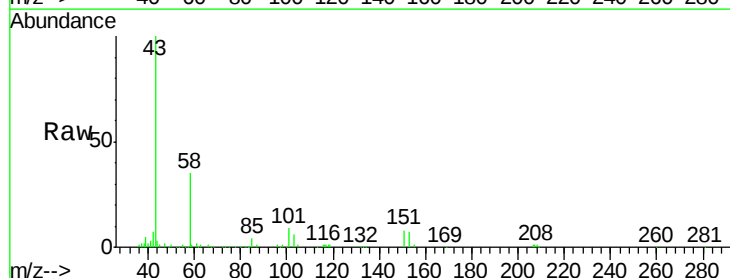
RT: 3.95 min Scan# 363

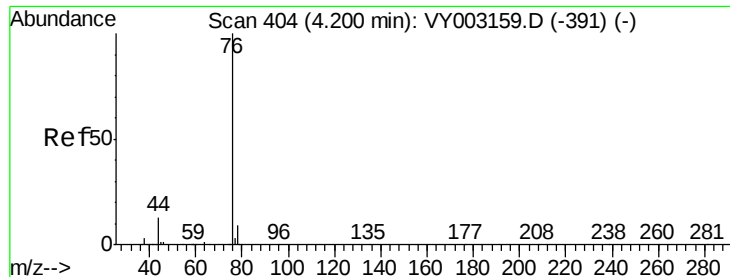
Delta R.T. 0.00 min

Lab File: VY003205.D

Acq: 16 Jul 2020 13:00

Tgt Ion:	43	Resp:	89771
Ion Ratio	Lower	Upper	
43	100		
58	34.6	23.8	35.6





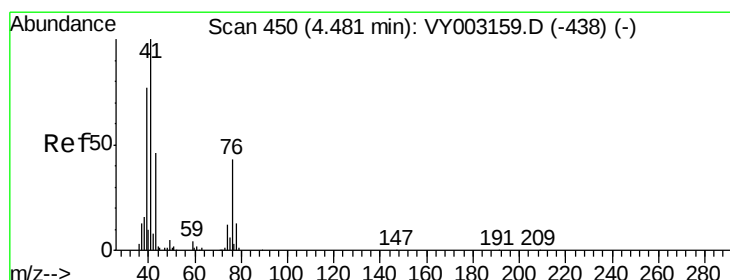
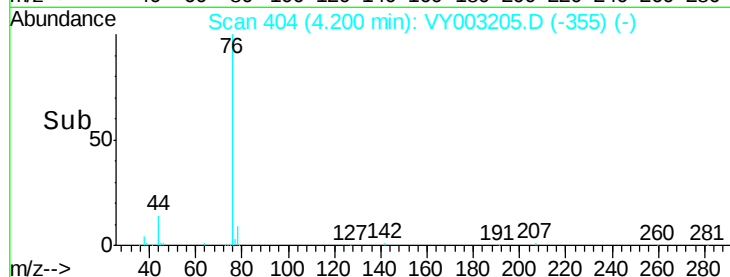
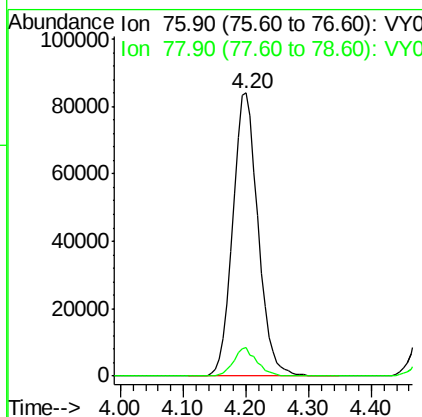
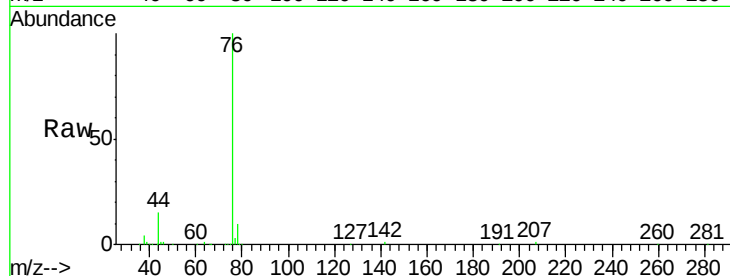
#17
Carbon Disulfide
Concen: 21.267 ug/l
RT: 4.20 min Scan# 404
Delta R.T. 0.00 min
Lab File: VY003205.D
Acq: 16 Jul 2020 13:00

Instrument :
MSVOA_Y
ClientSampleId :
VY0716SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.9	7.3	10.9

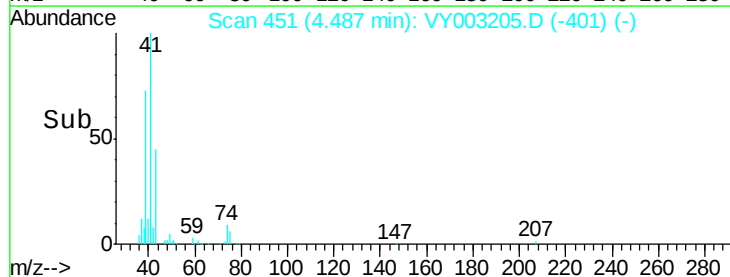
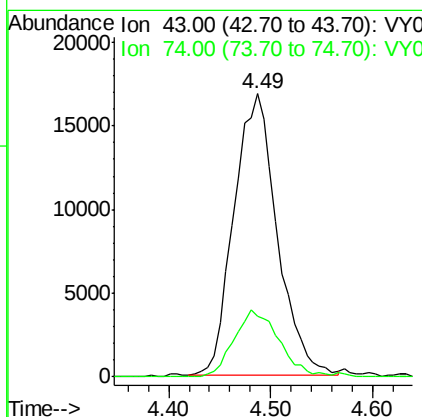
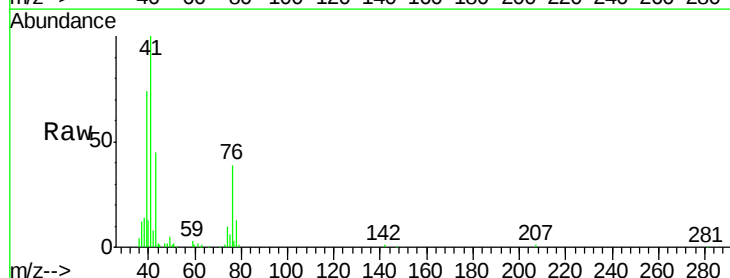
Manual Integrations
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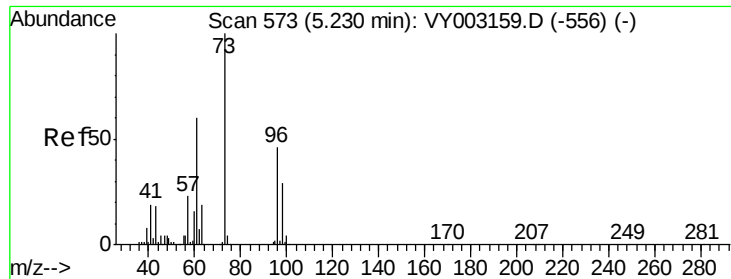
MMDadoda
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#18
Methyl Acetate
Concen: 22.014 ug/l
RT: 4.49 min Scan# 451
Delta R.T. 0.01 min
Lab File: VY003205.D
Acq: 16 Jul 2020 13:00

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.6	20.8	31.2





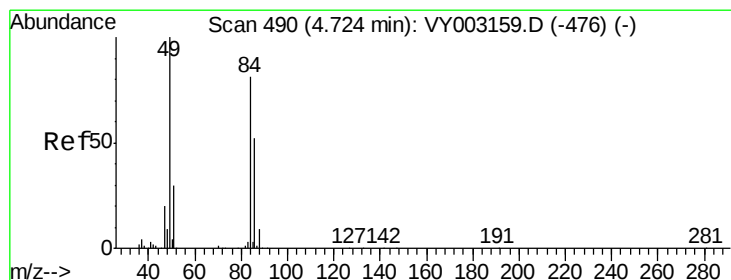
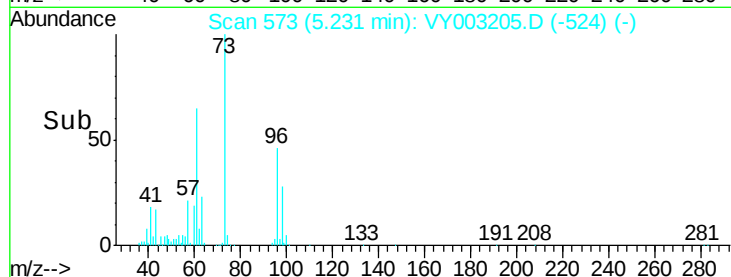
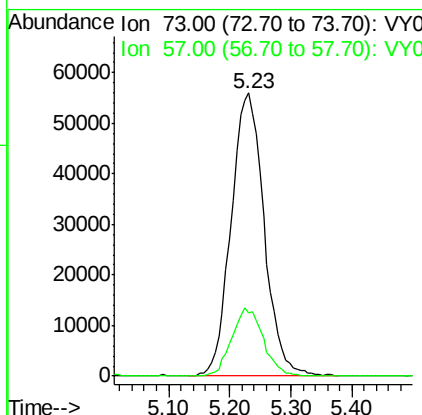
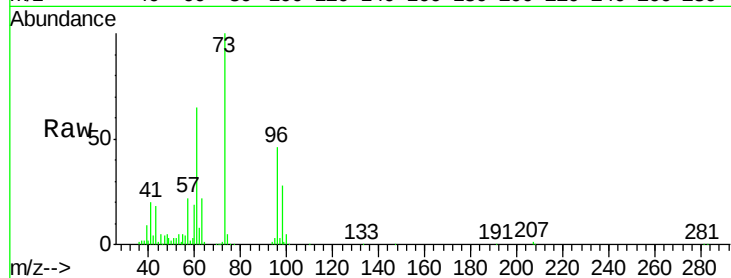
#19
Methvl tert-butvl Ether
Concen: 20.764 ug/l
RT: 5.23 min Scan# 573
Delta R.T. 0.00 min
Lab File: VY003205.D
Acq: 16 Jul 2020 13:00

Instrument :
MSVOA_Y
ClientSampleId :
VY0716SBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.1	18.1	27.1

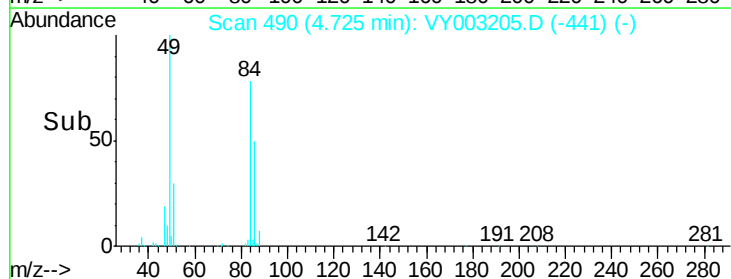
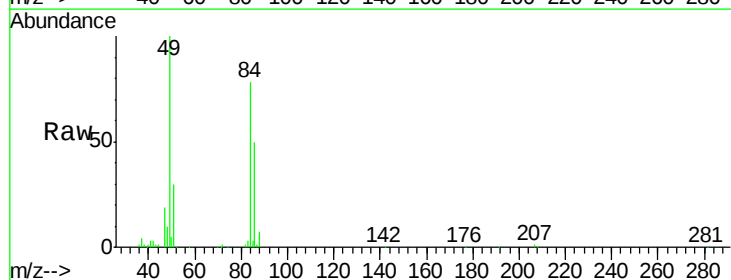
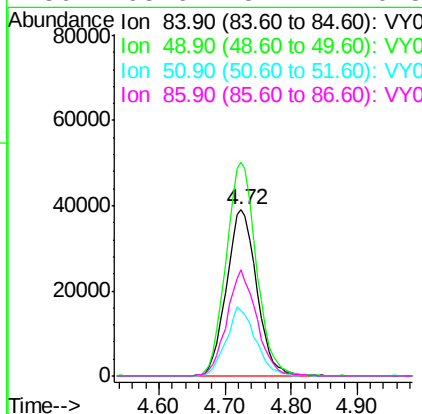
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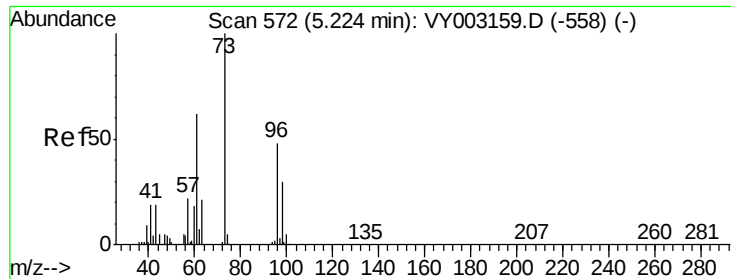
MMDadoda
7/17/2020 4:43:08 PM



#20
Methylene Chloride
Concen: 27.925 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY003205.D
Acq: 16 Jul 2020 13:00

Tgt Ion	Ratio	Lower	Upper
84	100		
49	128.3	98.2	147.4
51	39.0	29.8	44.6
86	63.6	51.2	76.8





#21

trans-1,2-Dichloroethene

Concen: 20.278 ug/l

RT: 5.23 min Scan# 573

Delta R.T. 0.01 min

Lab File: VY003205.D

Acq: 16 Jul 2020 13:00

Instrument :

MSVOA_Y

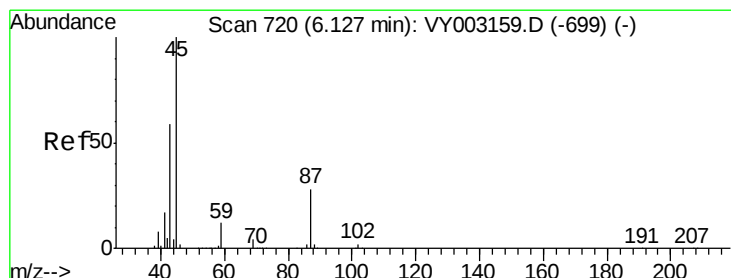
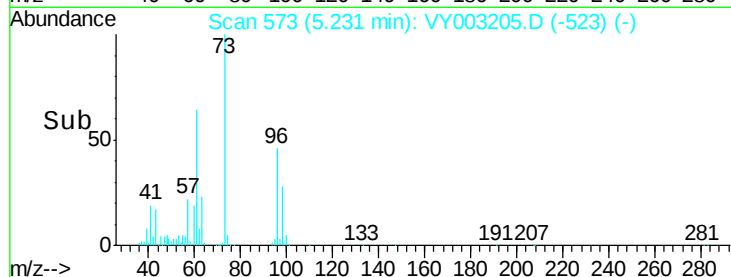
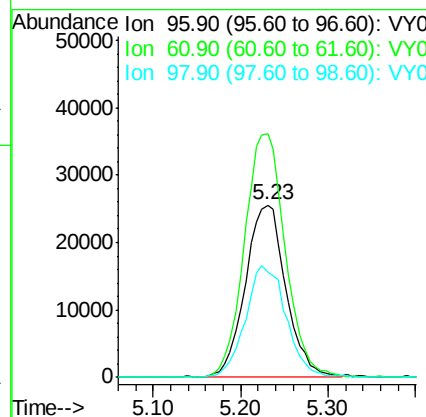
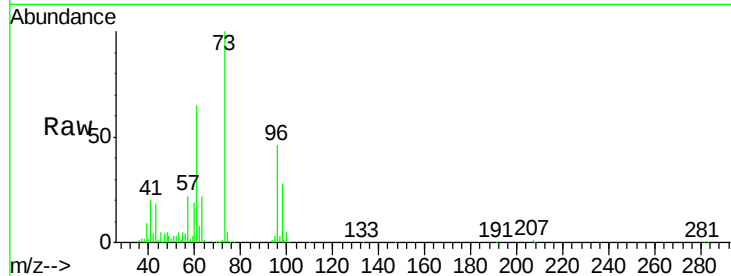
ClientSampleId :

VY0716SBS01

Tot Ion:	96	Resp:	82264
Ion	Ratio	Lower	Upper
96	100		
61	141.6	102.5	153.7
98	61.6	49.8	74.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 22.494 ug/l

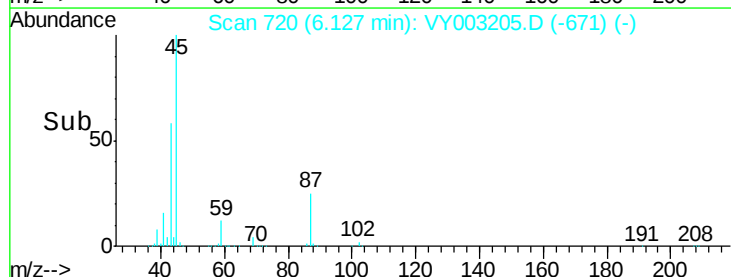
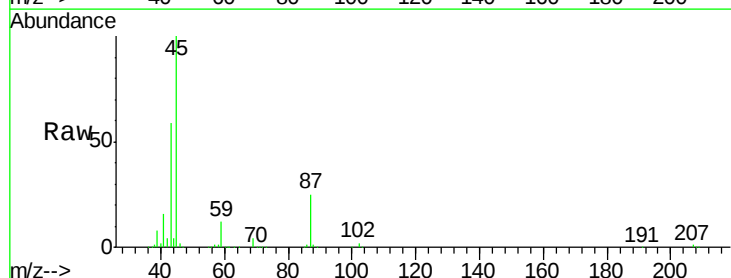
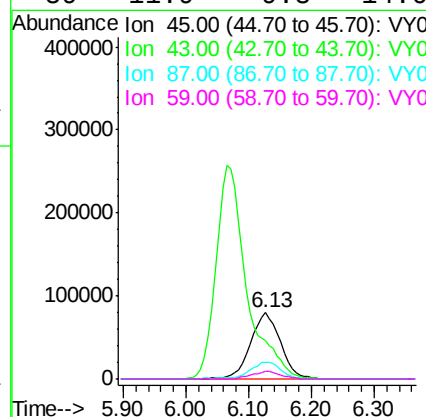
RT: 6.13 min Scan# 720

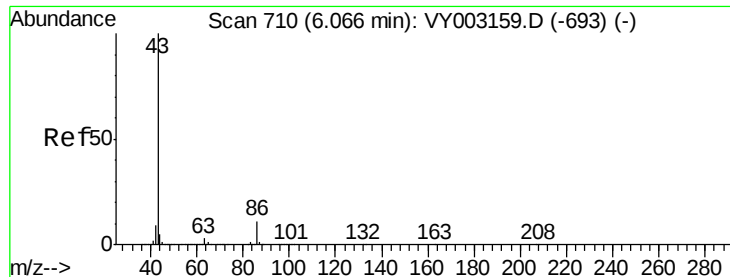
Delta R.T. 0.00 min

Lab File: VY003205.D

Acq: 16 Jul 2020 13:00

Tgt Ion:	45	Resp:	265698
Ion	Ratio	Lower	Upper
45	100		
43	58.3	47.0	70.4
87	24.7	22.6	33.8
59	11.9	9.8	14.6





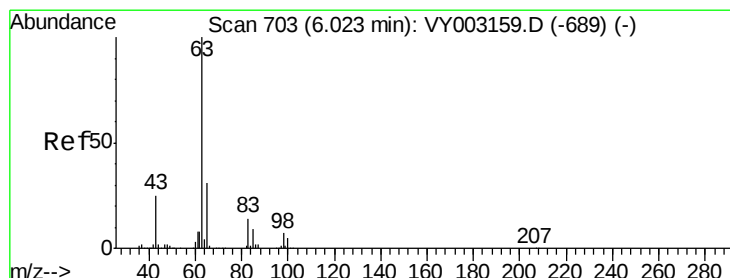
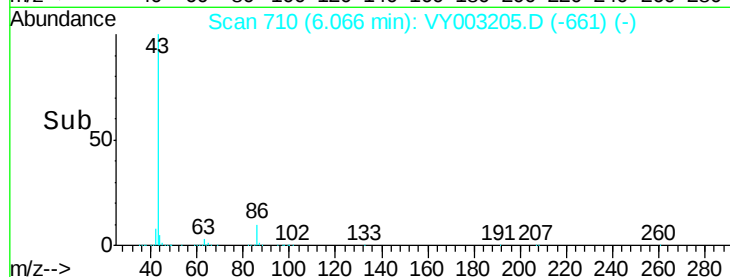
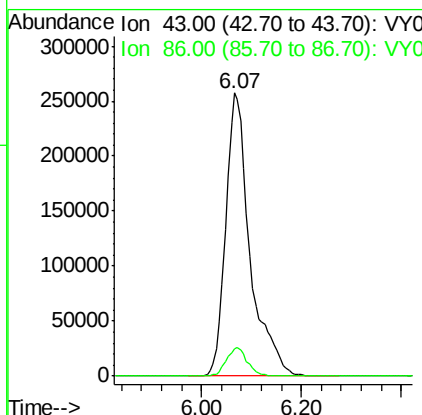
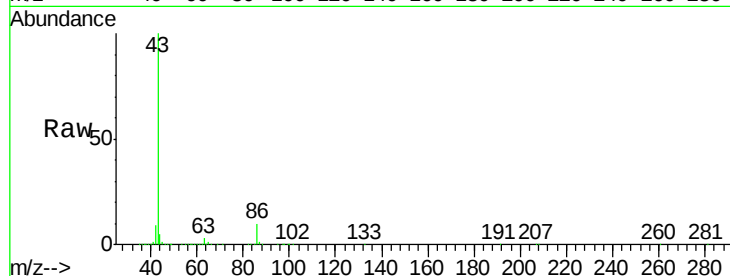
#23
 Vinyl Acetate
 Concen: 110.457 ug/l
 RT: 6.07 min Scan# 710
 Delta R.T. 0.00 min
 Lab File: VY003205.D
 Acq: 16 Jul 2020 13:00

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0716SBS01

Tot Ion	Ratio	Resp	Lower	Upper
43	100	869617		
86	9.7		8.8	13.2

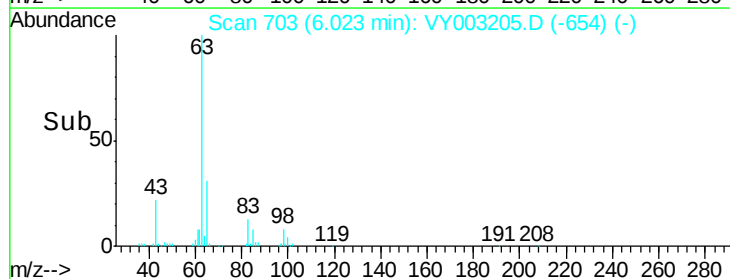
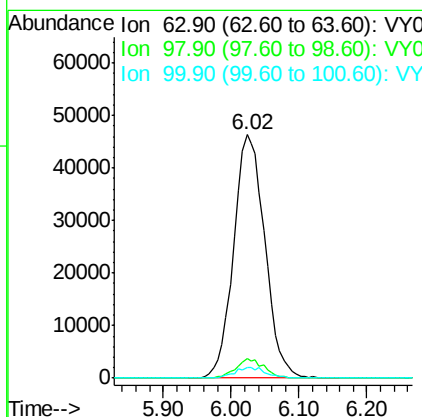
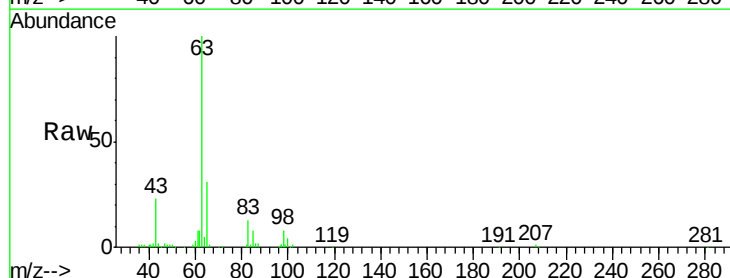
Manual Integrations
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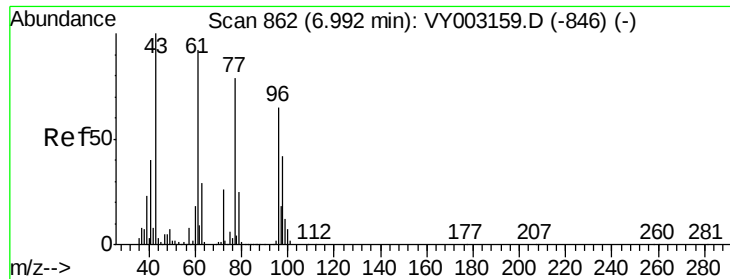
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 21.598 ug/l
 RT: 6.02 min Scan# 703
 Delta R.T. 0.00 min
 Lab File: VY003205.D
 Acq: 16 Jul 2020 13:00

Tgt Ion	Ratio	Resp	Lower	Upper
63	100	147800		
98	7.9		3.6	10.8
100	4.5		2.4	7.2





#25

2-Butanone

Concen: 111.464 ug/l

RT: 6.99 min Scan# 862

Delta R.T. 0.00 min

Lab File: VY003205.D

Acq: 16 Jul 2020 13:00

Instrument :

MSVOA_Y

ClientSampleId :

VY0716SBS01

Tot Ion: 43 Resp: 148724

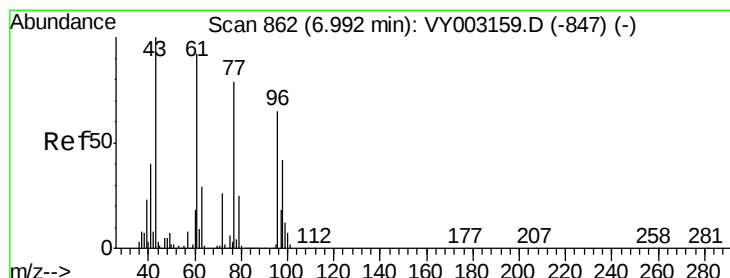
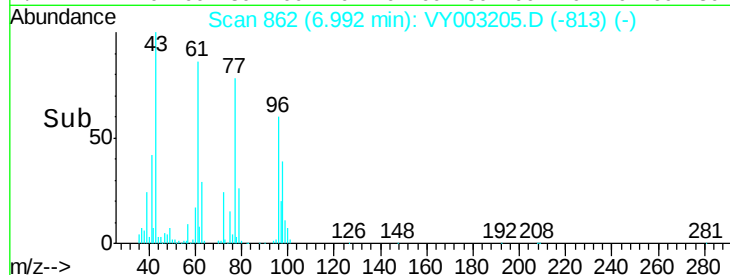
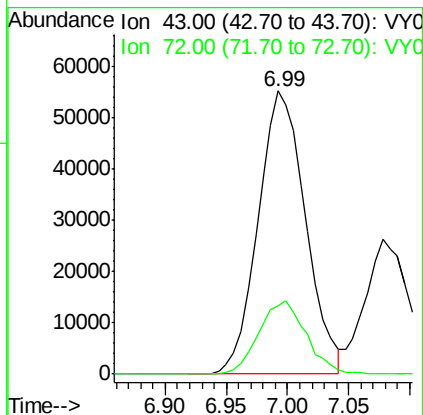
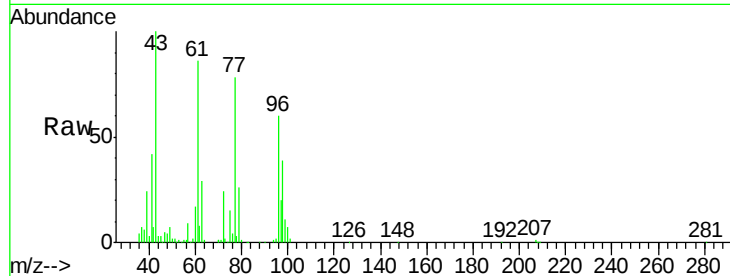
Ion Ratio Lower Upper

43 100

72 24.0 20.9 31.3

Manual Integrations
APPROVED

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#26

2,2-Dichloropropane

Concen: 21.673 ug/l

RT: 6.99 min Scan# 861

Delta R.T. -0.01 min

Lab File: VY003205.D

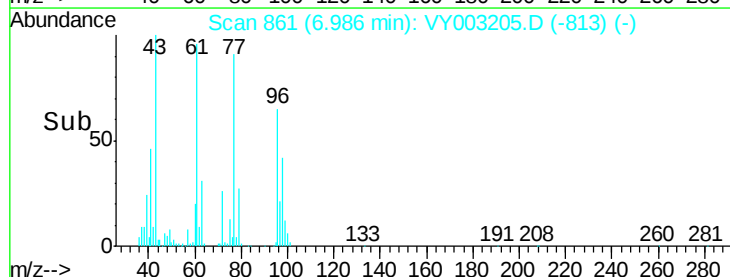
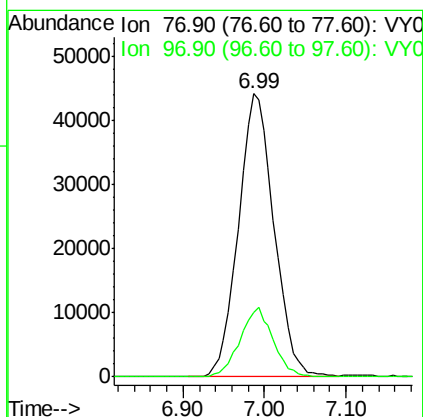
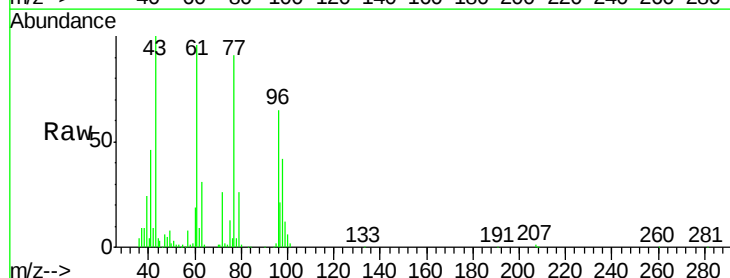
Acq: 16 Jul 2020 13:00

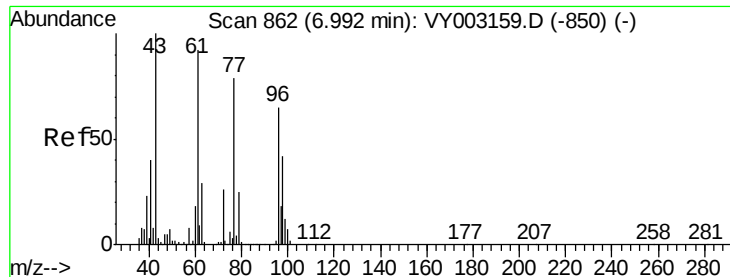
Tgt Ion: 77 Resp: 133567

Ion Ratio Lower Upper

77 100

97 22.8 11.6 34.7





#27

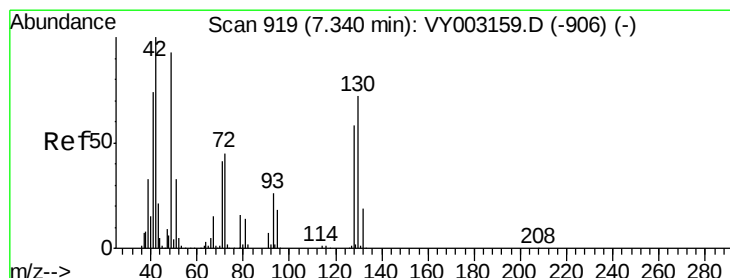
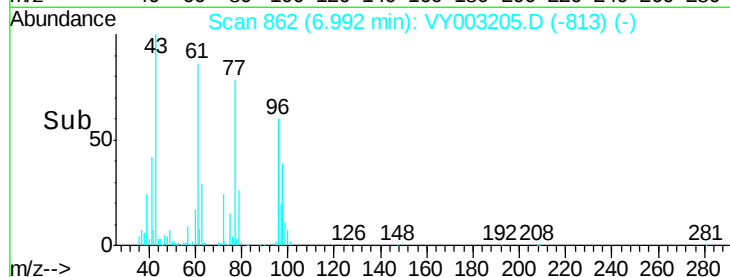
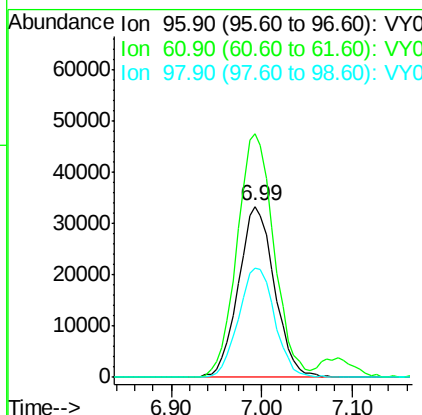
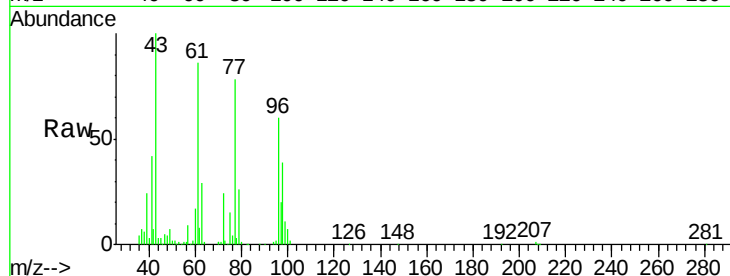
cis-1,2-Dichloroethene
Concen: 20.593 ug/l
RT: 6.99 min Scan# 862
Delta R.T. 0.00 min
Lab File: VY003205.D
Acq: 16 Jul 2020 13:00

Instrument :
MSVOA_Y
ClientSampleId :
VY0716SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	145.6	0.0	281.2
98	64.3	0.0	129.8

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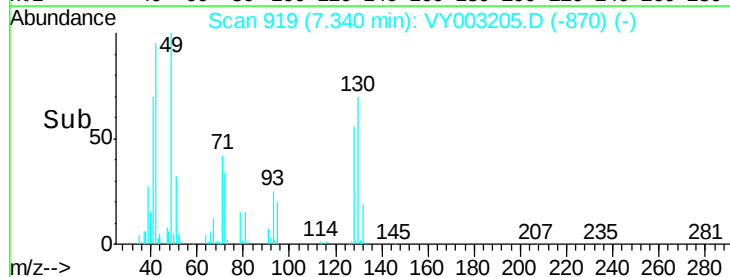
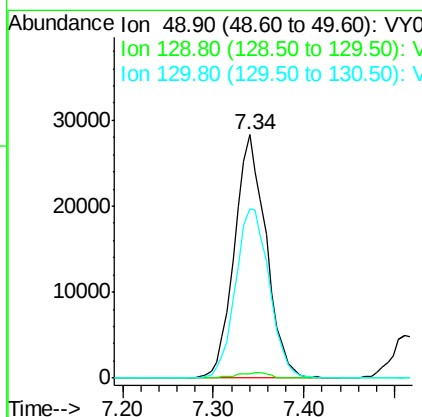
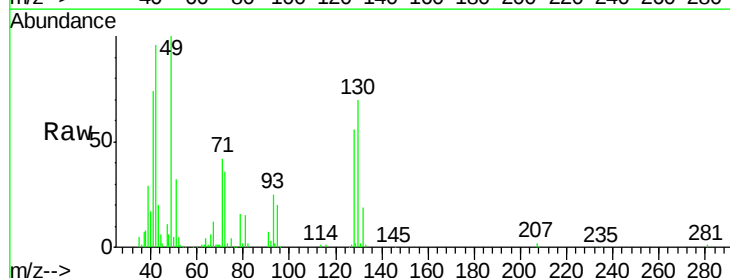
MMDadoda
7/17/2020 4:43:08 PM

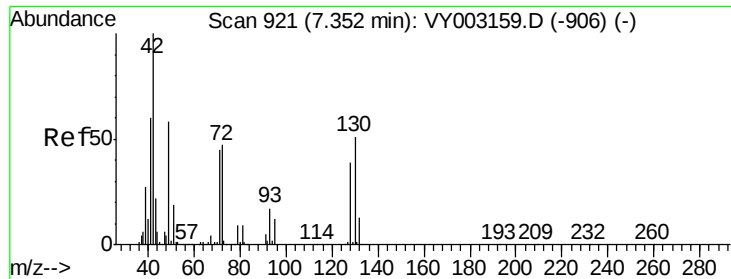


#28

Bromochloromethane
Concen: 23.138 ug/l
RT: 7.34 min Scan# 919
Delta R.T. 0.00 min
Lab File: VY003205.D
Acq: 16 Jul 2020 13:00

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	5.0
130	74.3	64.9	97.3





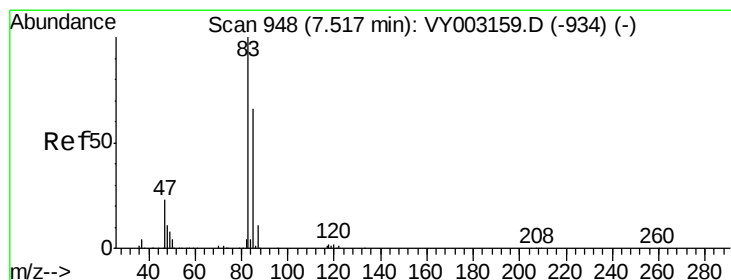
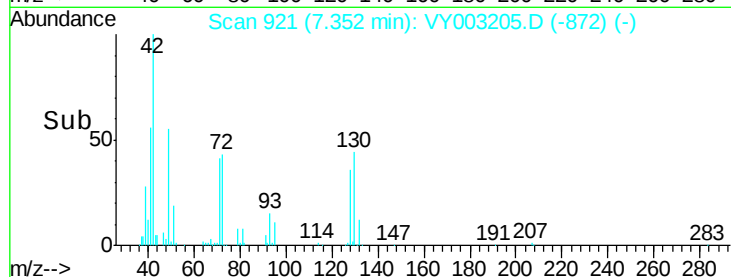
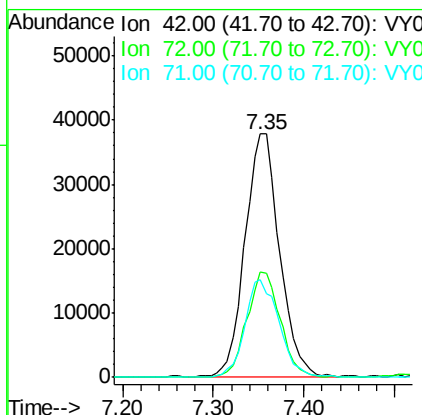
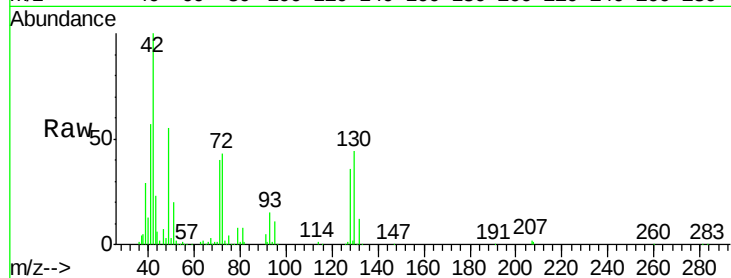
#29
Tetrahydrofuran
Concen: 112.008 ug/l
RT: 7.35 min Scan# 921
Delta R.T. 0.00 min
Lab File: VY003205.D
Acq: 16 Jul 2020 13:00

Instrument :
MSVOA_Y
ClientSampleId :
VY0716SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.7	36.7	55.1
71	39.6	34.2	51.4

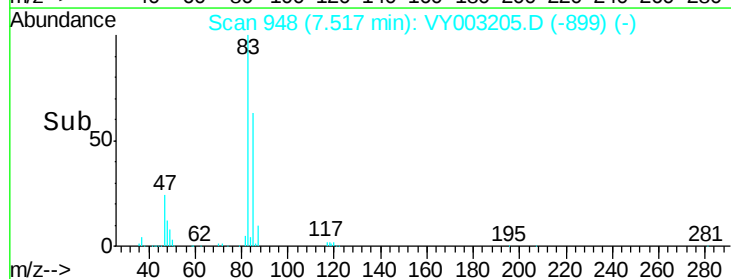
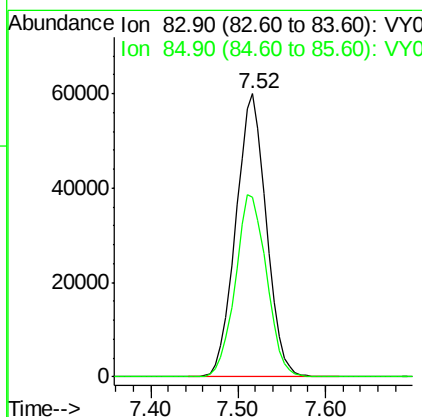
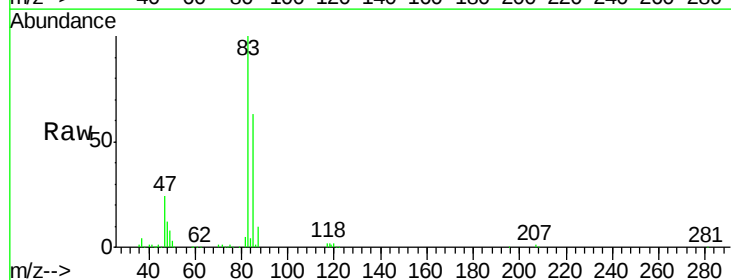
Manual Integrations
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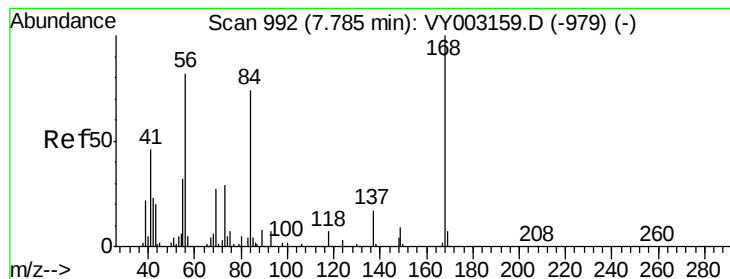
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#30
Chloroform
Concen: 20.541 ug/l
RT: 7.52 min Scan# 948
Delta R.T. 0.00 min
Lab File: VY003205.D
Acq: 16 Jul 2020 13:00

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.4	52.6	78.8





#31

Cyclohexane

Concen: 22.129 ug/l

RT: 7.79 min Scan# 993

Delta R.T. 0.01 min

Lab File: VY003205.D

Acq: 16 Jul 2020 13:00

Instrument :

MSVOA_Y

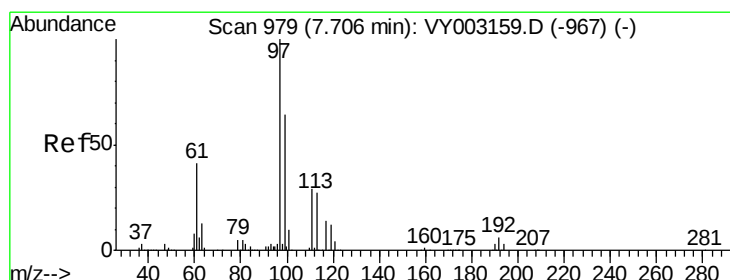
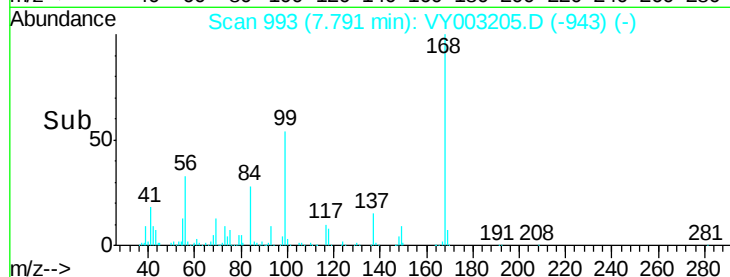
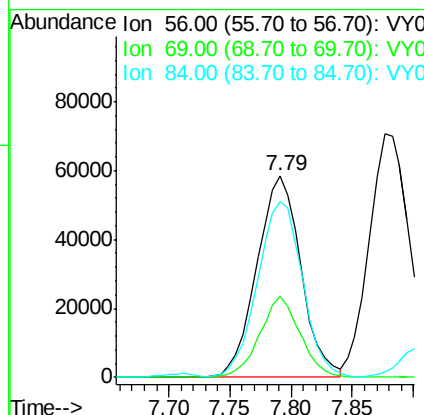
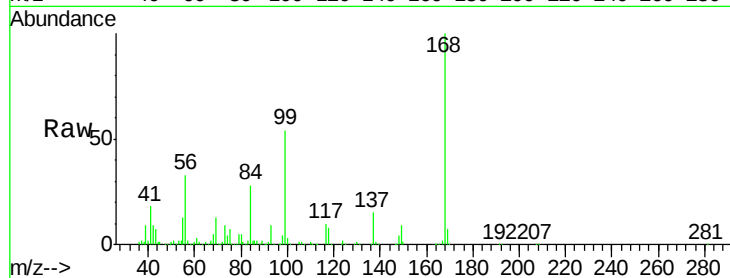
ClientSampleId :

VY0716SBS01

Tot Ion:	56	Resp:	146436
Ion	Ratio	Lower	Upper
56	100		
69	40.0	26.7	40.1
84	85.5	72.3	108.5

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 21.043 ug/l

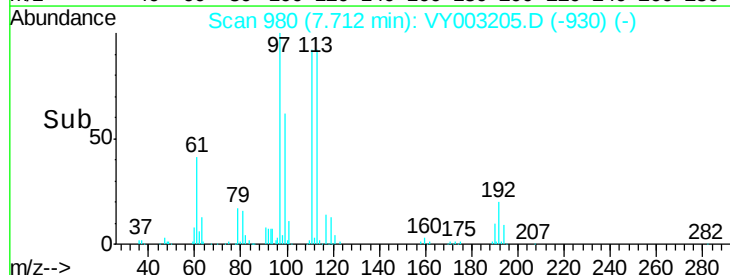
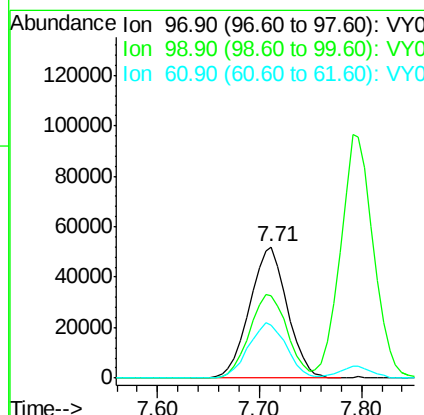
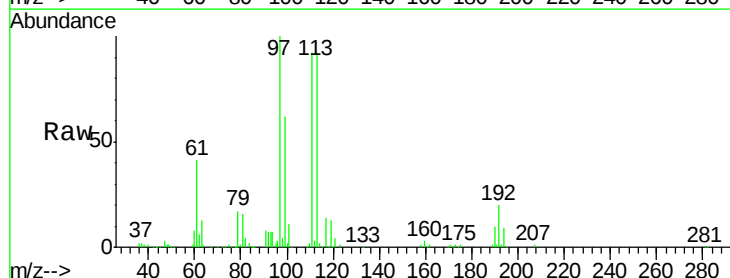
RT: 7.71 min Scan# 980

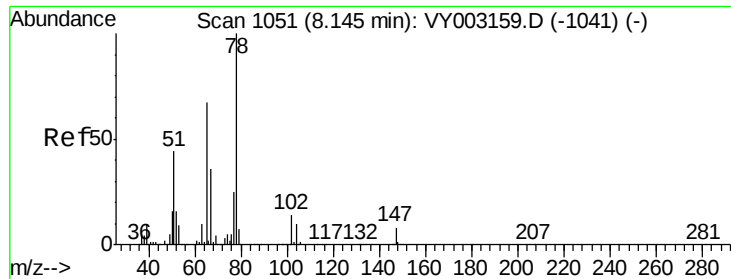
Delta R.T. 0.01 min

Lab File: VY003205.D

Acq: 16 Jul 2020 13:00

Tgt Ion:	97	Resp:	133517
Ion	Ratio	Lower	Upper
97	100		
99	63.8	52.1	78.1
61	42.6	33.9	50.9





#33

1,2-Dichloroethane-d4

Concen: 48.046 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. 0.01 min

Lab File: VY003205.D

Acq: 16 Jul 2020 13:00

Instrument :

MSVOA_Y

ClientSampleId :

VY0716SBS01

Tot Ion: 65 Resp: 174794

Ion Ratio Lower Upper

65 100

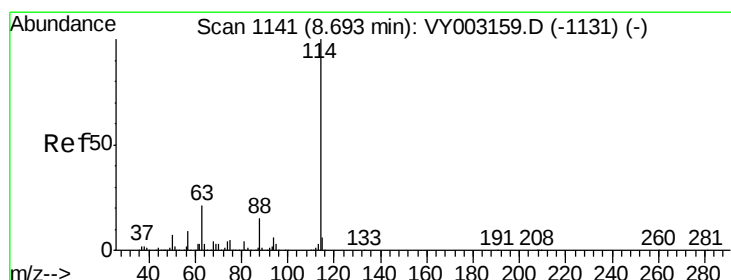
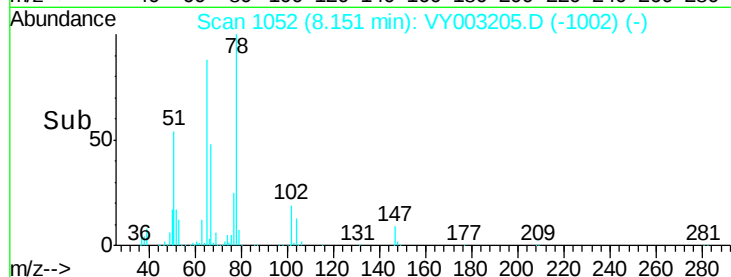
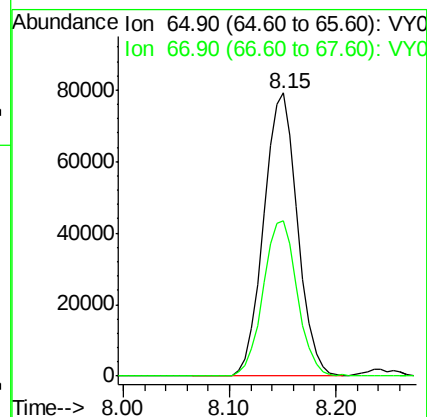
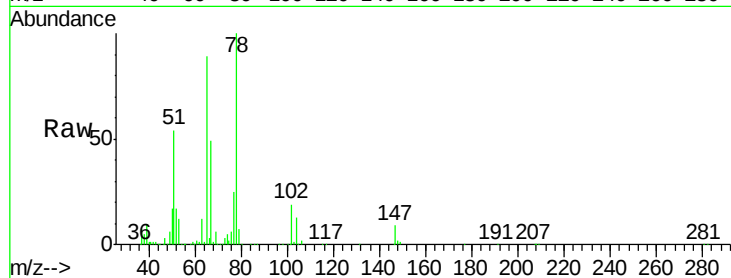
67 55.5 0.0 105.2

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.69 min Scan# 1141

Delta R.T. 0.00 min

Lab File: VY003205.D

Acq: 16 Jul 2020 13:00

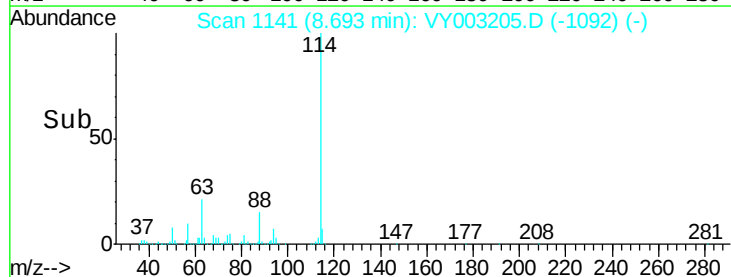
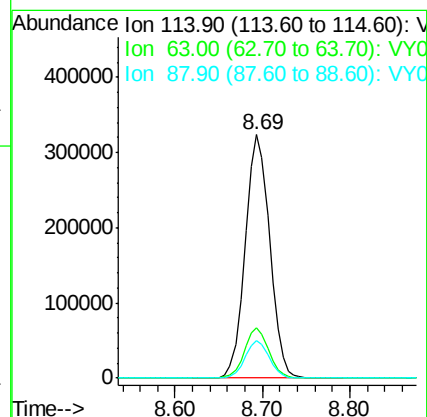
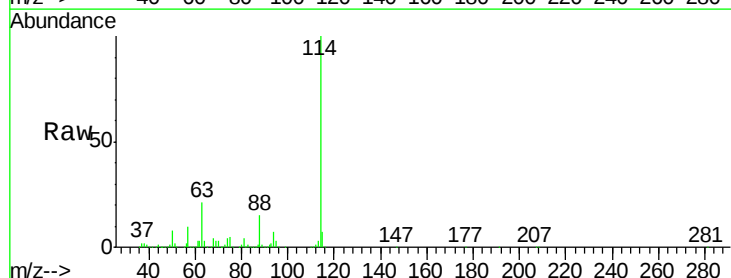
Tgt Ion: 114 Resp: 629273

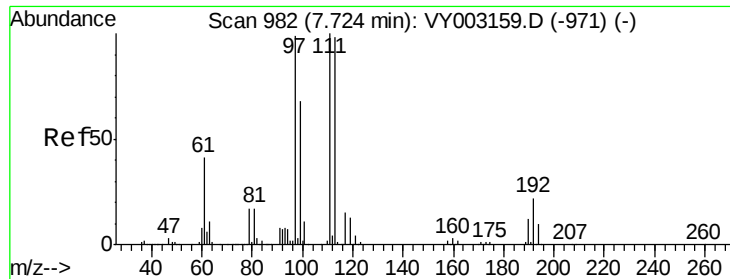
Ion Ratio Lower Upper

114 100

63 20.9 0.0 41.2

88 15.4 0.0 30.2





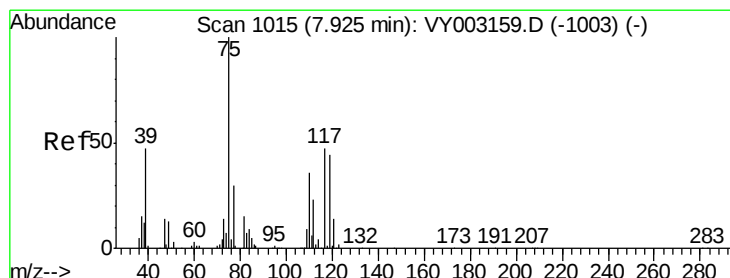
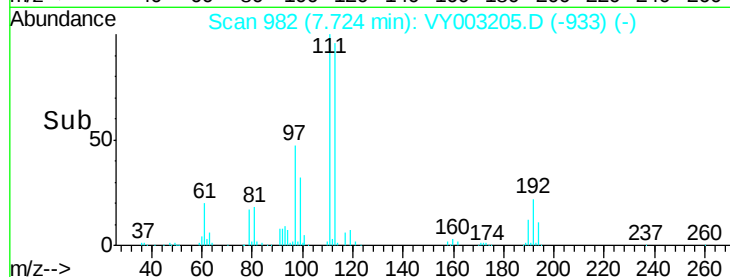
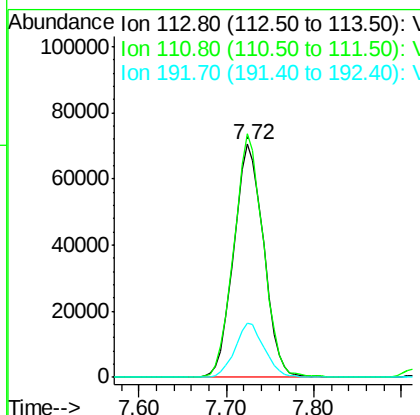
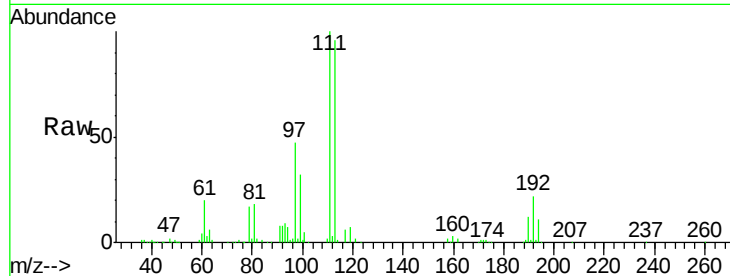
#35
 Dibromofluoromethane
 Concen: 46.279 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: VY003205.D
 Acq: 16 Jul 2020 13:00

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0716SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	167592		
111	102.6	82.1	123.1	
192	22.8	18.8	28.2	

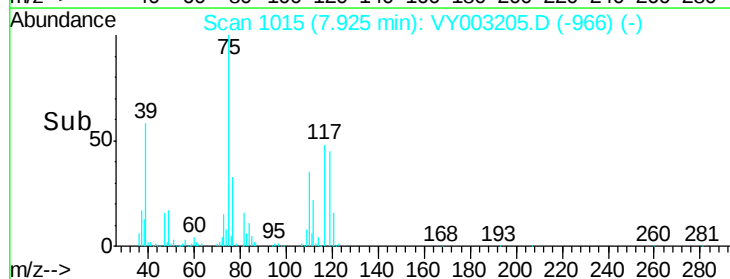
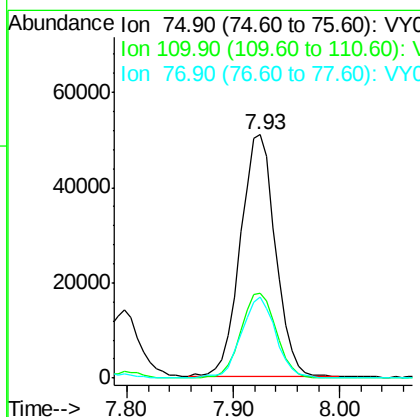
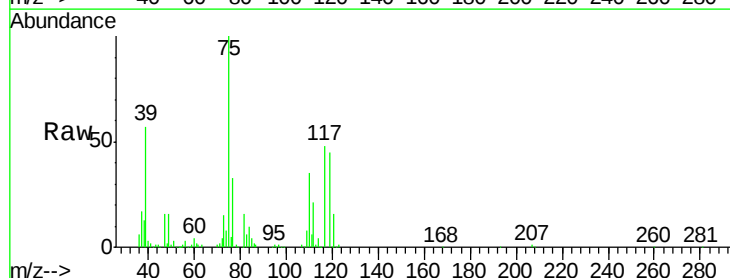
Manual Integrations
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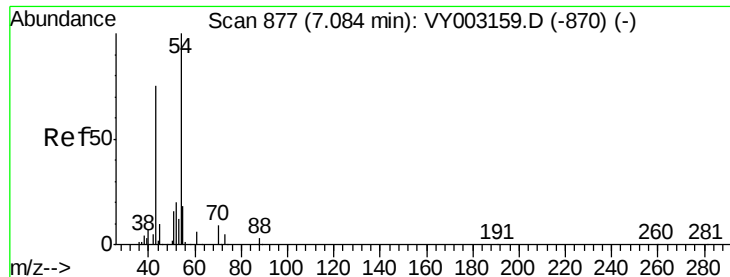
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#36
 1,1-Dichloropropene
 Concen: 20.692 ug/l
 RT: 7.93 min Scan# 1015
 Delta R.T. 0.00 min
 Lab File: VY003205.D
 Acq: 16 Jul 2020 13:00

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	118015		
110	35.6	18.1	54.1	
77	32.8	24.8	37.2	





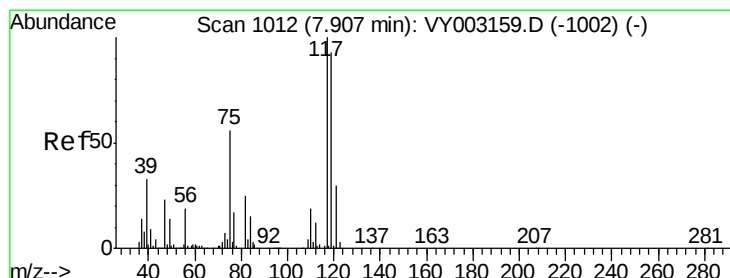
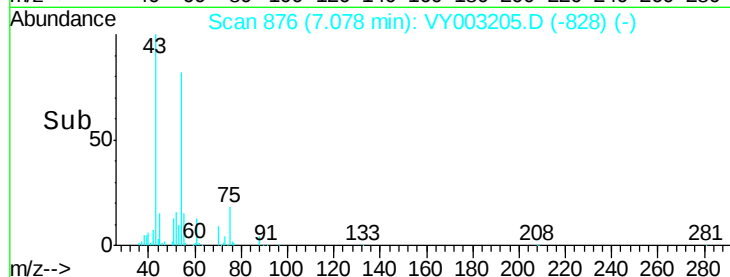
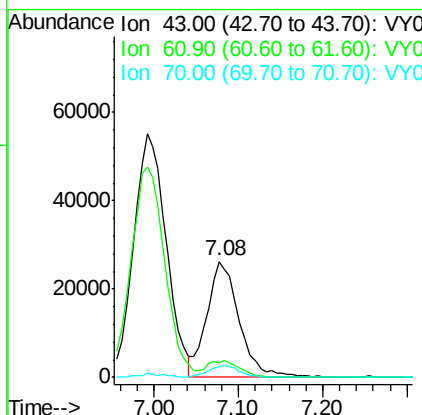
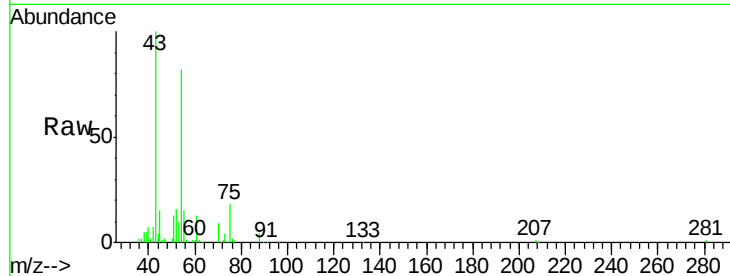
#37
Ethyl Acetate
Concen: 22.576 ug/l
RT: 7.08 min Scan# 876
Delta R.T. -0.01 min
Lab File: VY003205.D
Acq: 16 Jul 2020 13:00

Instrument :
MSVOA_Y
ClientSampleId :
VY0716SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.8	11.8	17.6
70	9.6	8.6	13.0

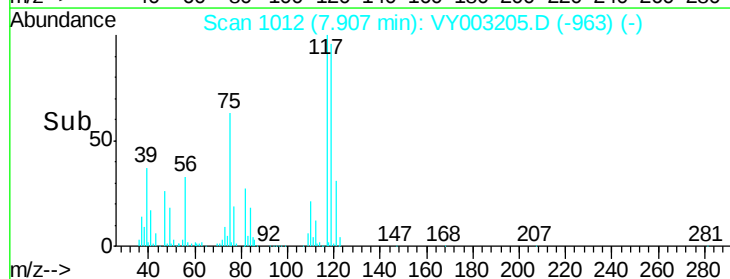
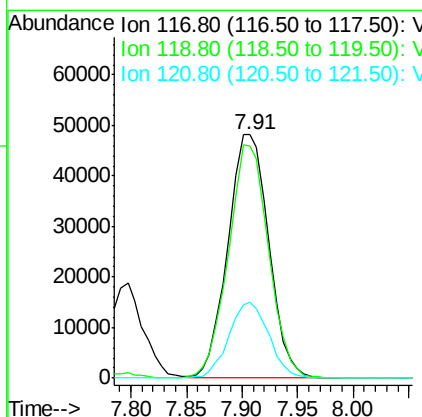
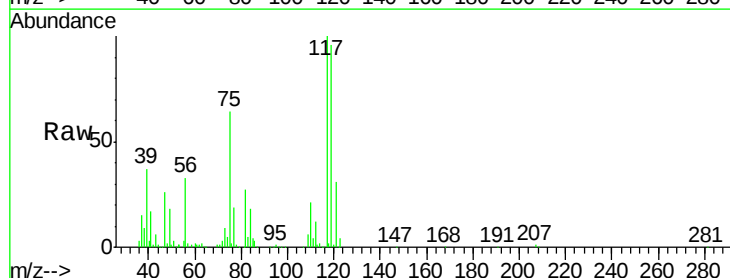
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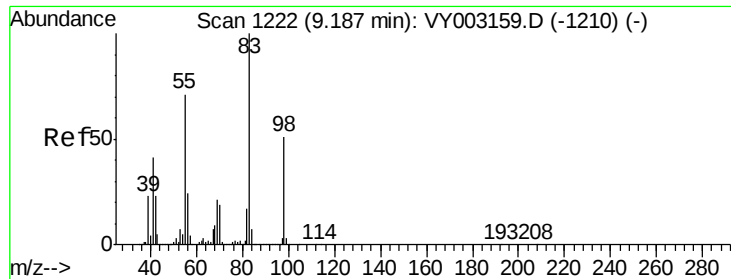
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#38
Carbon Tetrachloride
Concen: 20.849 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VY003205.D
Acq: 16 Jul 2020 13:00

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.5	74.5	111.7
121	31.4	24.2	36.2





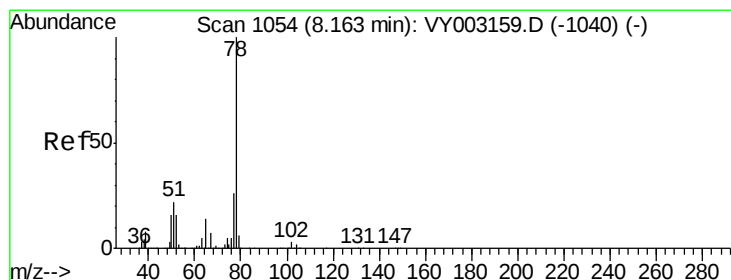
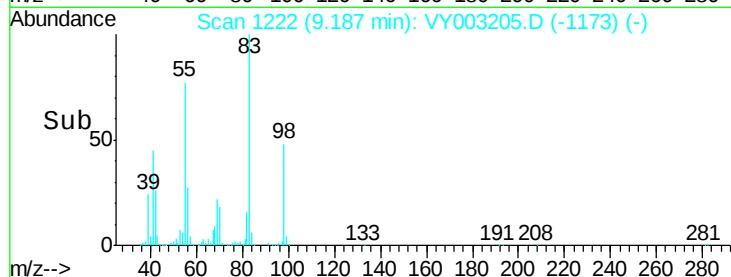
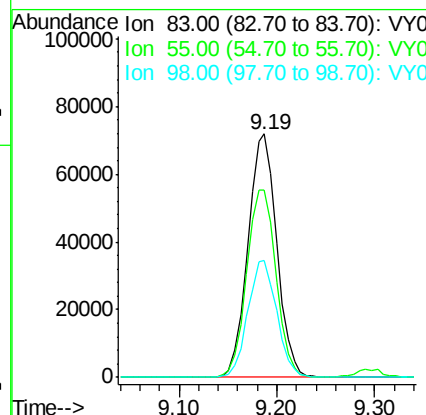
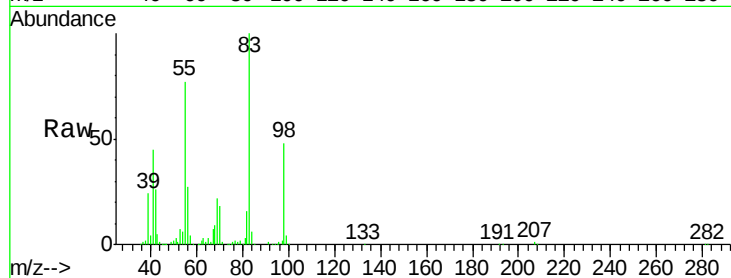
#39
Methvlcvclohexane
Concen: 20.444 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. 0.00 min
Lab File: VY003205.D
Acq: 16 Jul 2020 13:00

Instrument :
MSVOA_Y
ClientSampleId :
VY0716SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.7	57.2	85.8
98	47.9	41.0	61.6

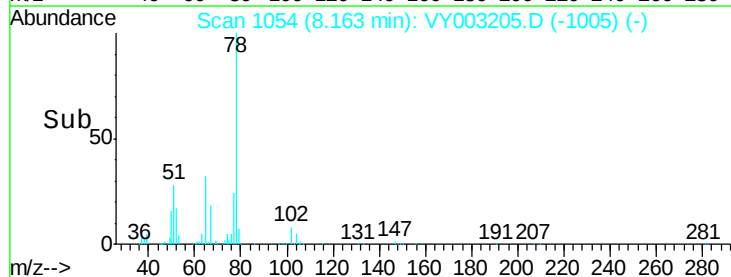
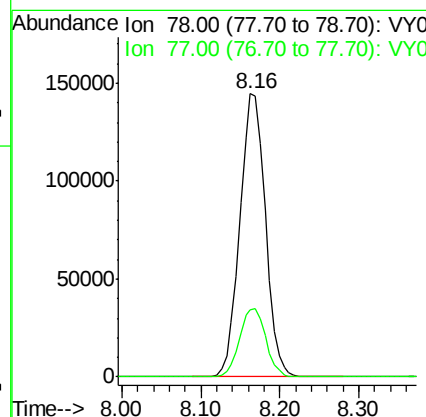
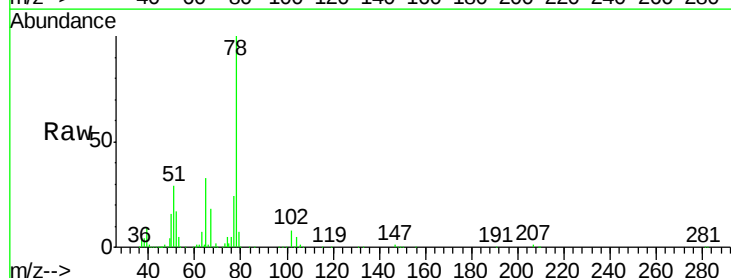
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#40
Benzene
Concen: 20.788 ug/l
RT: 8.16 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VY003205.D
Acq: 16 Jul 2020 13:00

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	20.7	31.1





#41

Methacrylonitrile

Concen: 22.580 ug/l m

RT: 7.33 min Scan# 918

Delta R.T. 0.00 min

Lab File: VY003205.D

Acq: 16 Jul 2020 13:00

Instrument :

MSVOA_Y

ClientSampleId :

VY0716SBS01

Tot Ion: 41 Resp: 41768

Ion Ratio Lower Upper

41 100

39 102.9 83.3 124.9

67 0.0 0.0 0.0

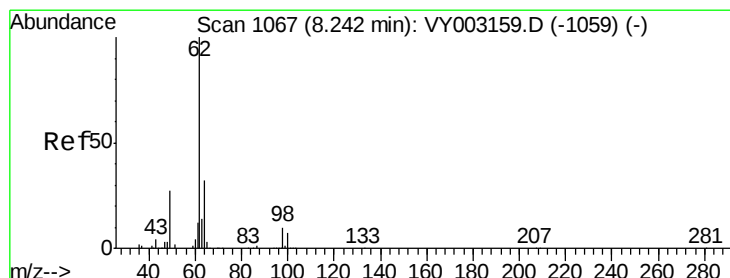
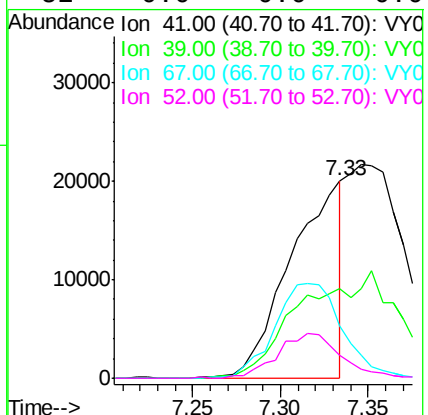
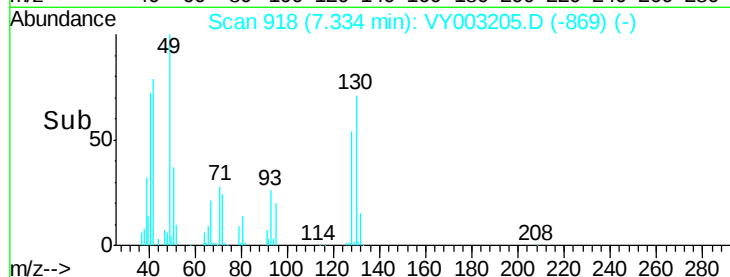
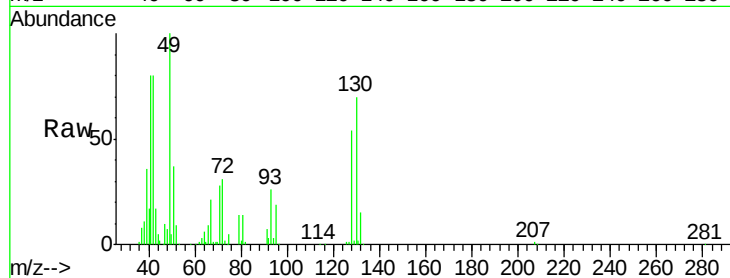
52 0.0 0.0 0.0

Manual Integrations

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#42

1,2-Dichloroethane

Concen: 20.468 ug/l

RT: 8.24 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VY003205.D

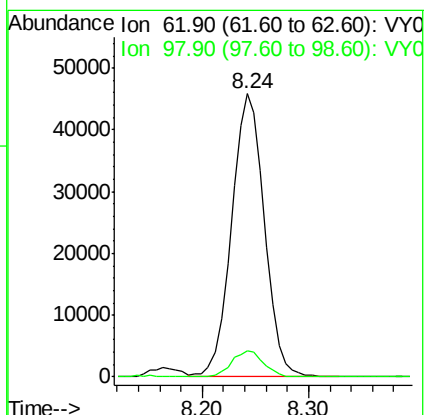
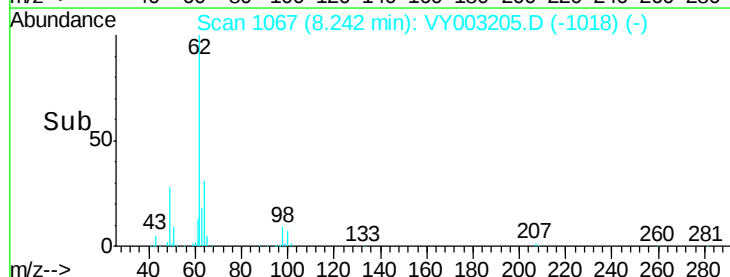
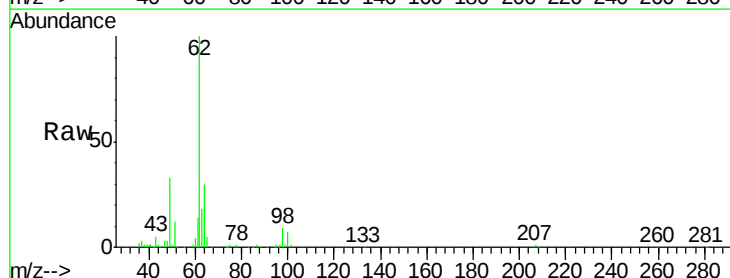
Acq: 16 Jul 2020 13:00

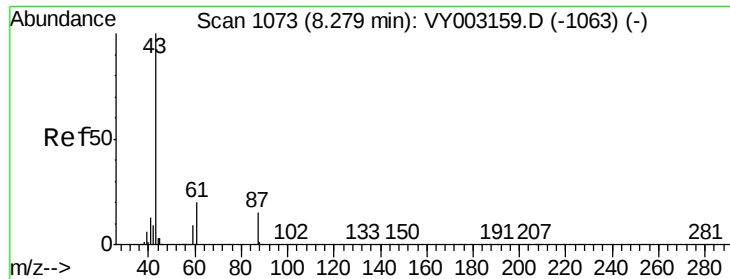
Tgt Ion: 62 Resp: 98955

Ion Ratio Lower Upper

62 100

98 8.9 0.0 19.0





#43

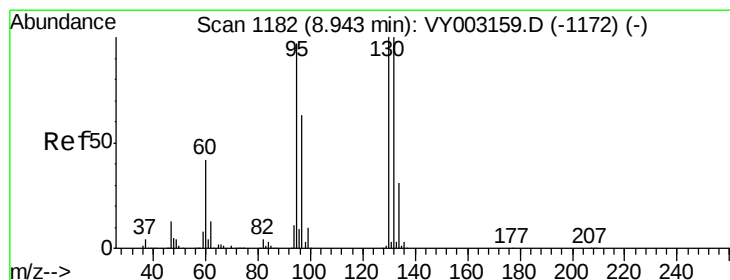
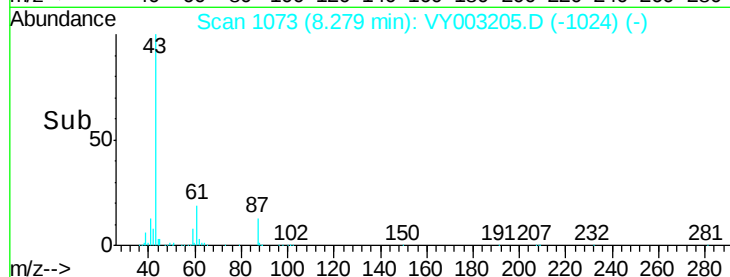
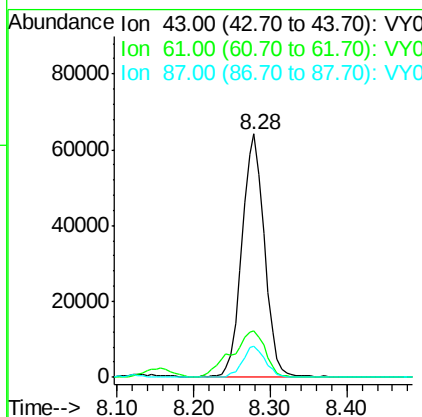
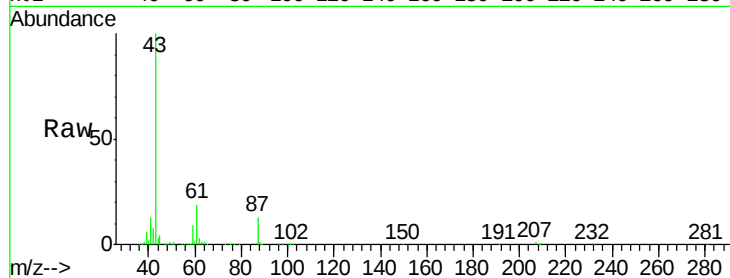
Isopropyl Acetate
 Concen: 21.988 ug/l
 RT: 8.28 min Scan# 1073
 Delta R.T. 0.00 min
 Lab File: VY003205.D
 Acq: 16 Jul 2020 13:00

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0716SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.6	23.7	35.5
87	12.9	11.4	17.0

Manual Integrations
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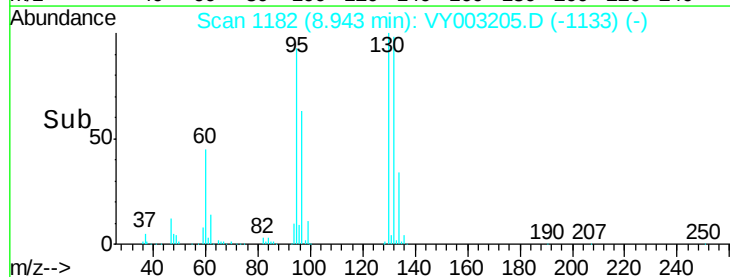
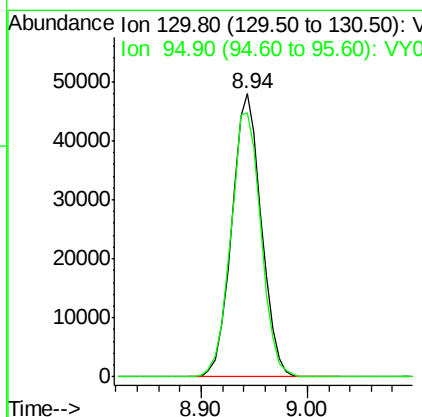
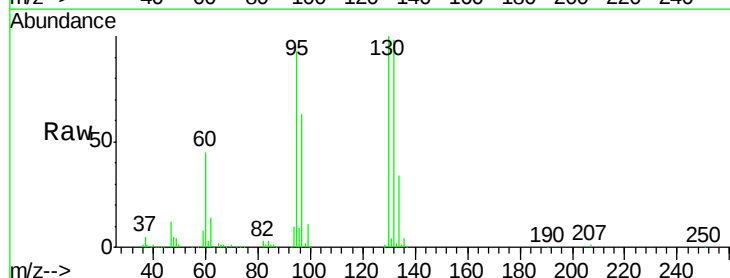
MMDadoda
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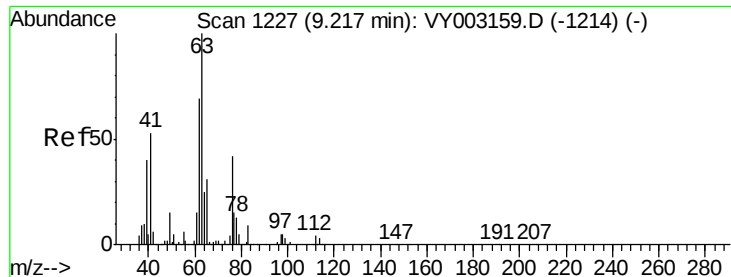


#44

Trichloroethene
 Concen: 19.341 ug/l
 RT: 8.94 min Scan# 1182
 Delta R.T. 0.00 min
 Lab File: VY003205.D
 Acq: 16 Jul 2020 13:00

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.3	0.0	193.8





#45

1,2-Dichloropropane

Concen: 20.739 ug/l

RT: 9.22 min Scan# 1227

Delta R.T. 0.00 min

Lab File: VY003205.D

Acq: 16 Jul 2020 13:00

Instrument :

MSVOA_Y

ClientSampleId :

VY0716SBS01

Tot Ion: 63 Resp: 84271

Ion Ratio Lower Upper

63 100

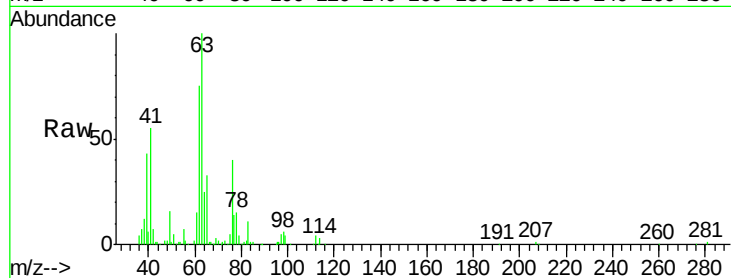
65 32.8 25.0 37.4

Manual Integrations

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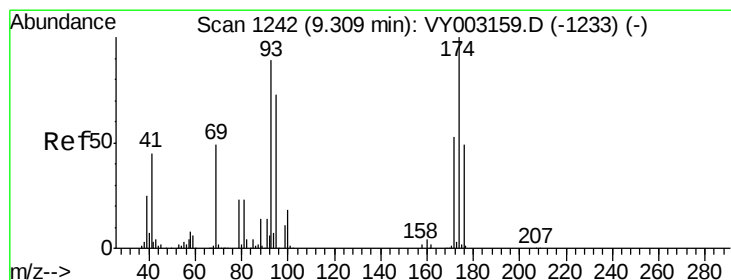
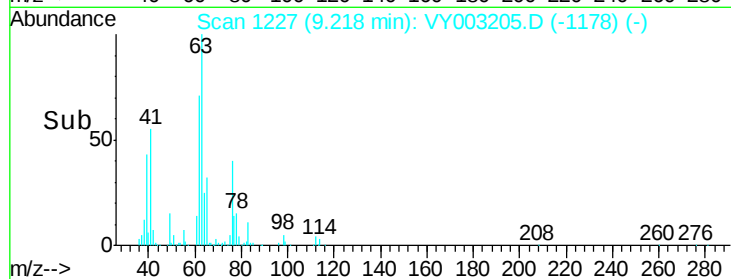
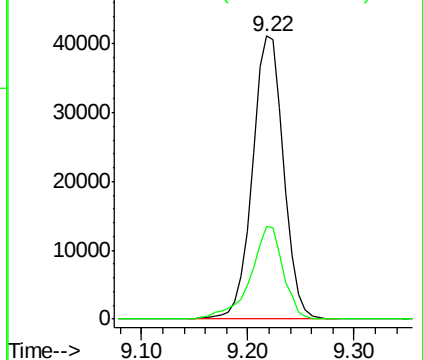
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 64.90 (64.60 to 65.60): VY0



#46

Dibromomethane

Concen: 19.839 ug/l

RT: 9.31 min Scan# 1242

Delta R.T. 0.00 min

Lab File: VY003205.D

Acq: 16 Jul 2020 13:00

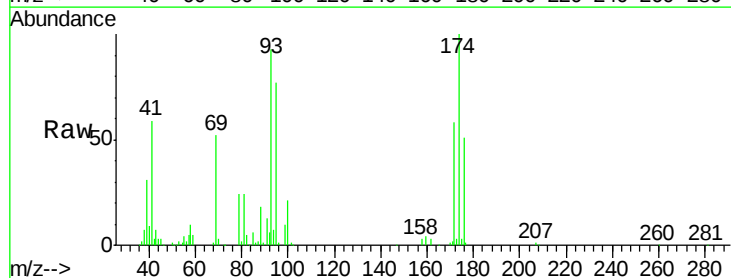
Tgt Ion: 93 Resp: 47084

Ion Ratio Lower Upper

93 100

95 82.4 66.6 99.8

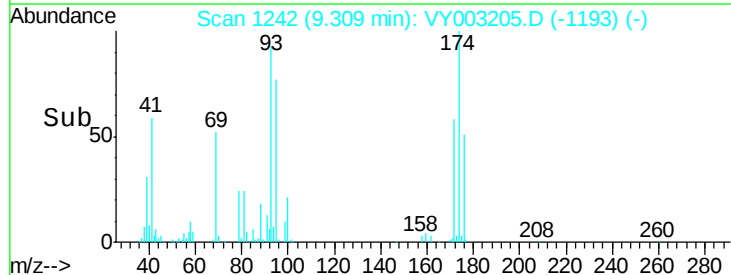
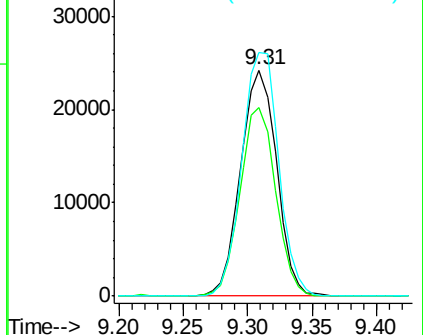
174 109.5 90.2 135.4

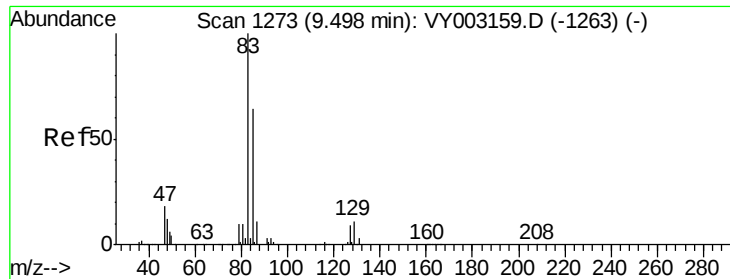


Abundance Ion 92.80 (92.50 to 93.50): VY0

Ion 94.80 (94.50 to 95.50): VY0

Ion 173.70 (173.40 to 174.40): V





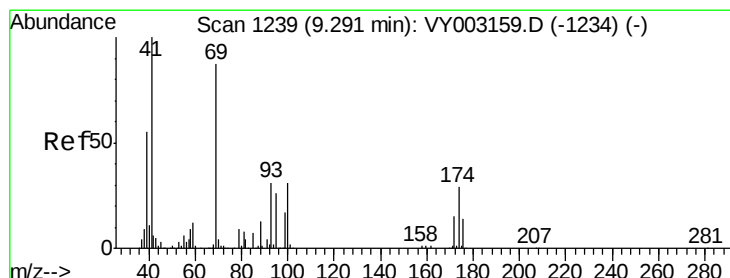
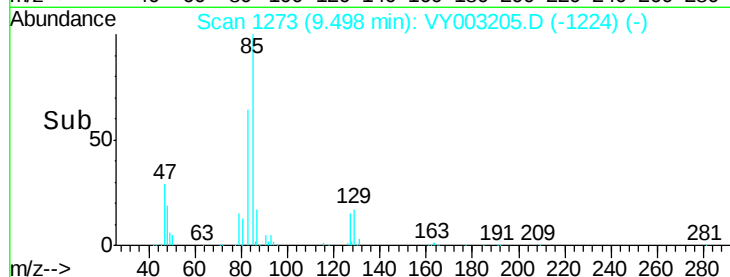
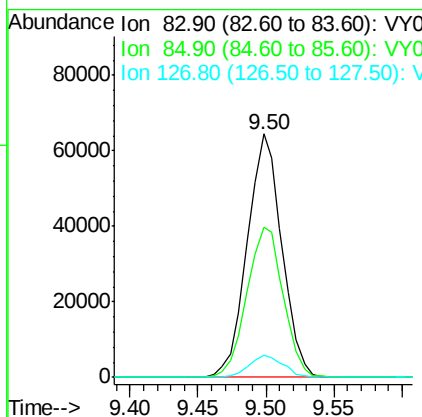
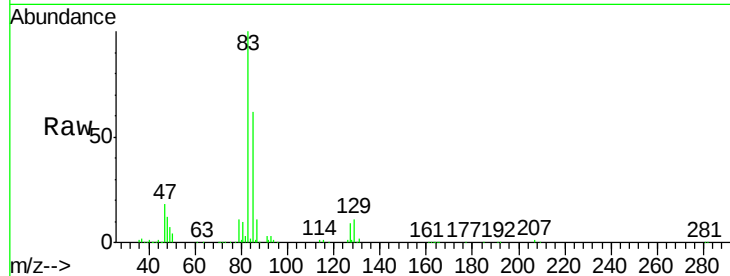
#47
Bromodichloromethane
Concen: 20.375 ug/l
RT: 9.50 min Scan# 1273
Delta R.T. 0.00 min
Lab File: VY003205.D
Acq: 16 Jul 2020 13:00

Instrument :
MSVOA_Y
ClientSampleId :
VY0716SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
85	61.7	50.9	76.3
127	9.3	7.0	10.4

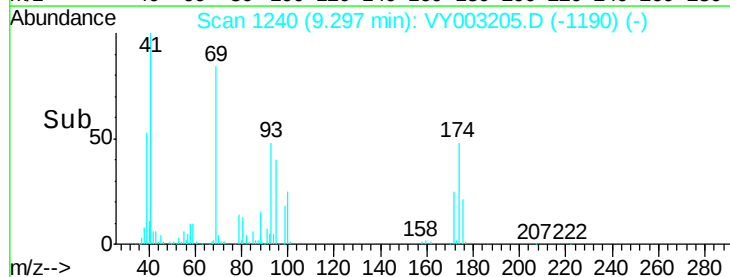
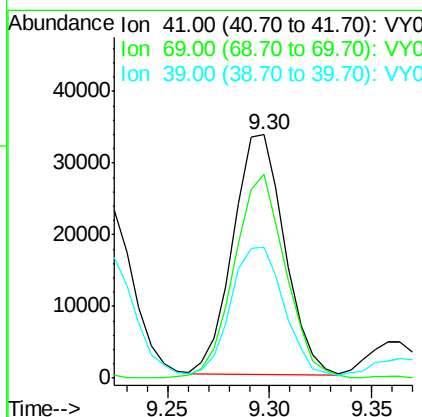
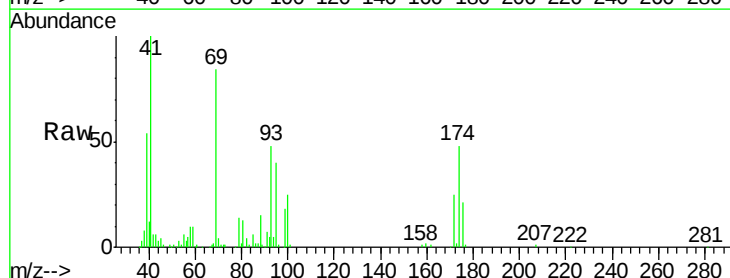
Manual Integrations
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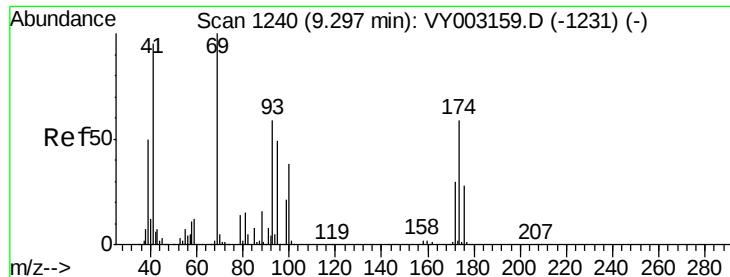
MMDadoda
7/17/2020 4:43:08 PM



#48
Methyl methacrylate
Concen: 22.173 ug/l
RT: 9.30 min Scan# 1240
Delta R.T. 0.01 min
Lab File: VY003205.D
Acq: 16 Jul 2020 13:00

Tgt Ion	Ratio	Lower	Upper
41	100		
69	84.3	74.5	111.7
39	54.8	47.5	71.3





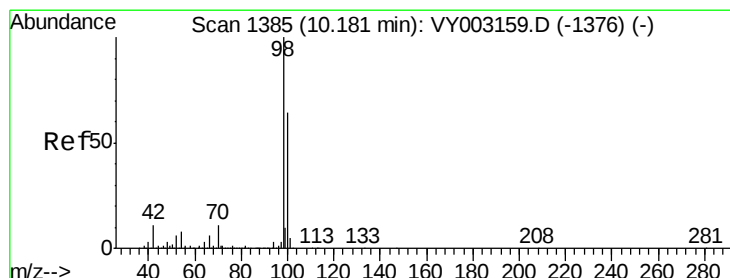
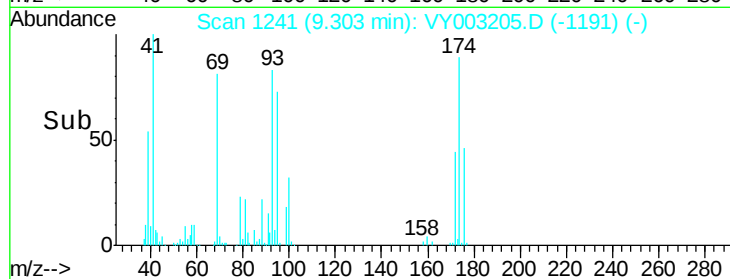
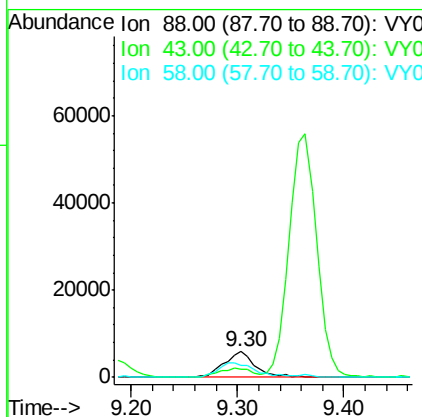
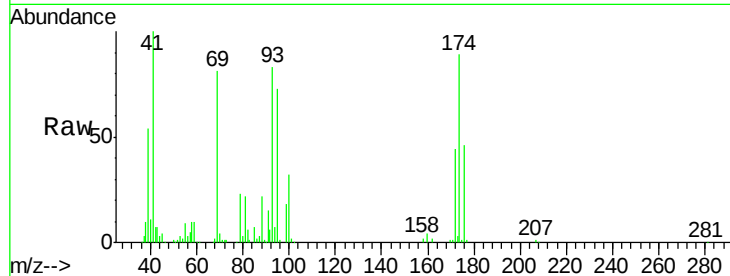
#49
1,4-Dioxane
Concen: 408.780 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. 0.01 min
Lab File: VY003205.D
Acq: 16 Jul 2020 13:00

Instrument :
MSVOA_Y
ClientSampleId :
VY0716SBS01

Tot Ion	88	Resp	12313
Ion Ratio	100	Lower	Upper
88	100		
43	35.7	25.6	38.4
58	68.4	47.8	71.6

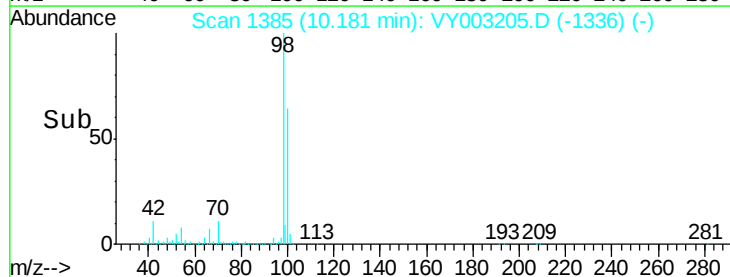
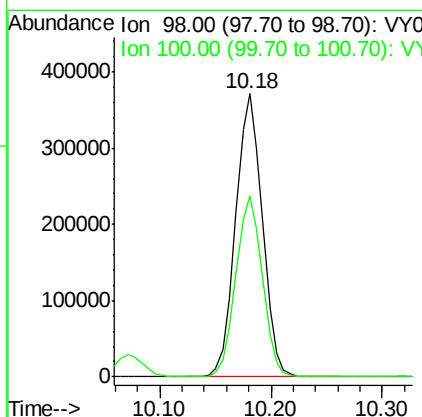
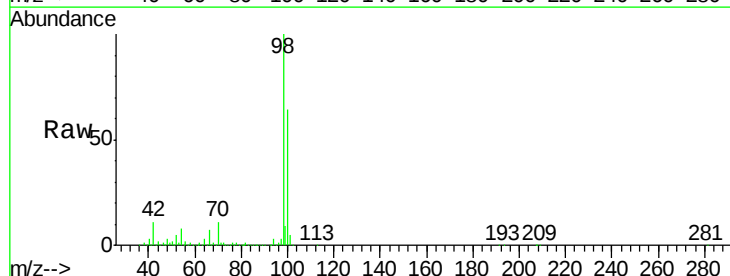
Manual Integrations
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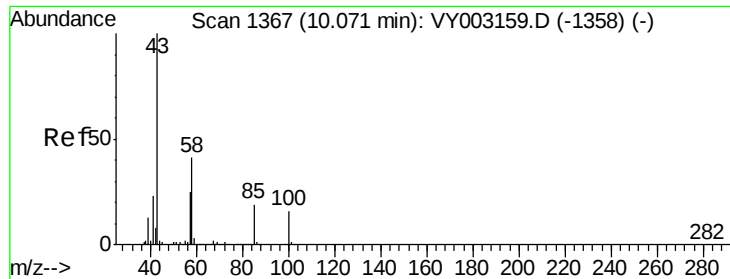
MMDadoda
7/17/2020 4:43:08 PM



#50
Toluene-d8
Concen: 45.760 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VY003205.D
Acq: 16 Jul 2020 13:00

Tgt Ion	98	Resp	616094
Ion Ratio	100	Lower	Upper
98	100		
100	63.5	50.7	76.1





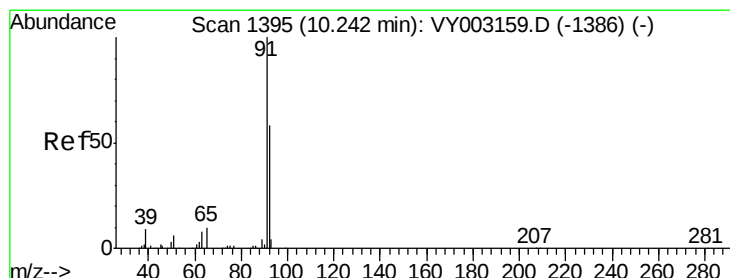
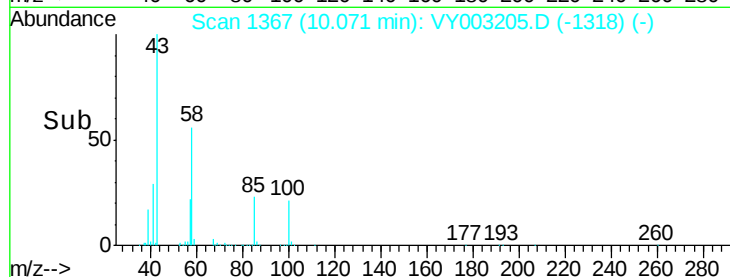
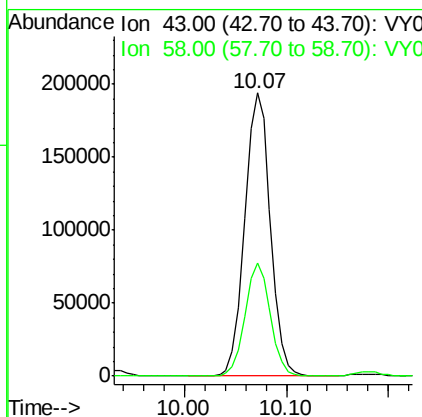
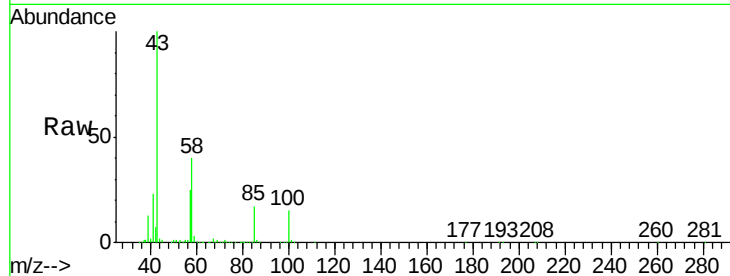
#51
4-Methyl-2-Pentanone
Concen: 109.361 ug/l
RT: 10.07 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VY003205.D
Acq: 16 Jul 2020 13:00

Instrument :
MSVOA_Y
ClientSampleId :
VY0716SBS01

Tot Ion: 43 Resp: 337934
Ion Ratio Lower Upper
43 100
58 39.4 32.7 49.1

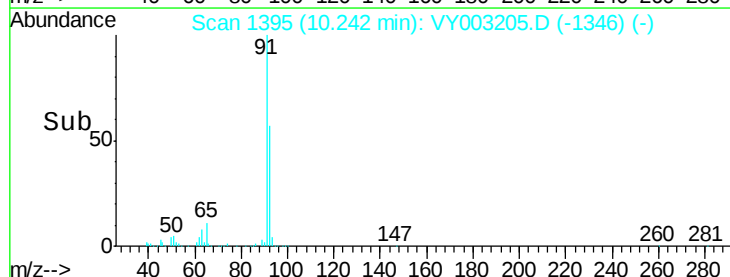
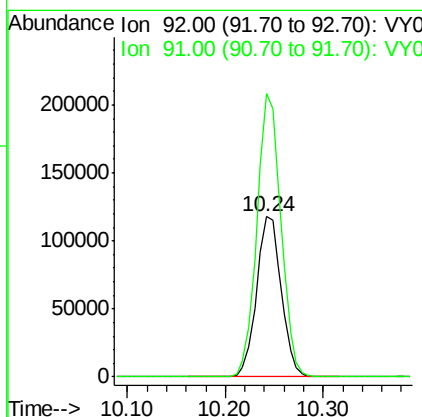
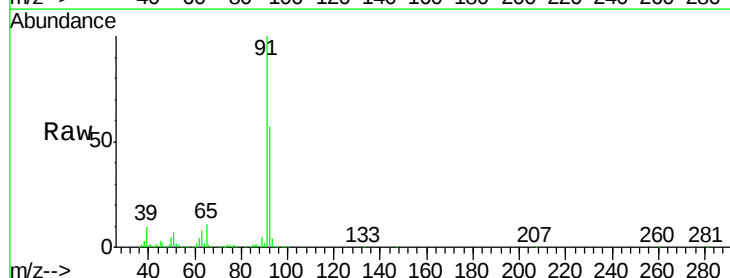
Manual Integrations
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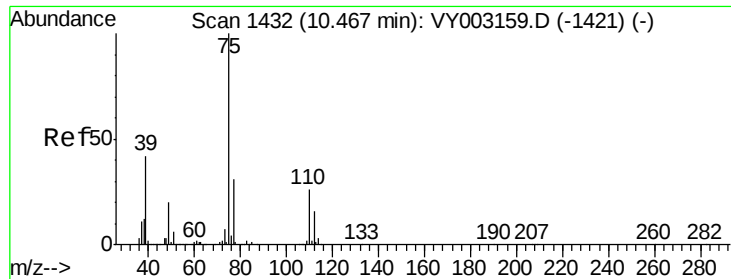
MMDadoda
7/17/2020 4:43:08 PM



#52
Toluene
Concen: 20.563 ug/l
RT: 10.24 min Scan# 1395
Delta R.T. 0.00 min
Lab File: VY003205.D
Acq: 16 Jul 2020 13:00

Tgt Ion: 92 Resp: 206395
Ion Ratio Lower Upper
92 100
91 172.0 139.7 209.5





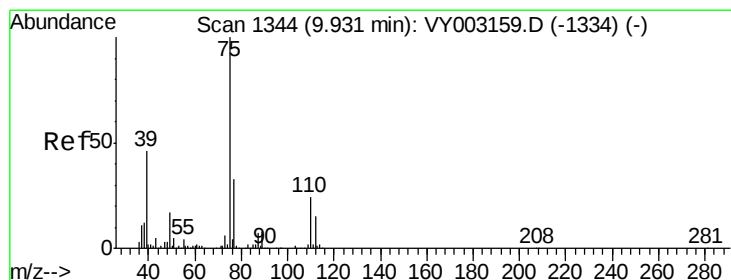
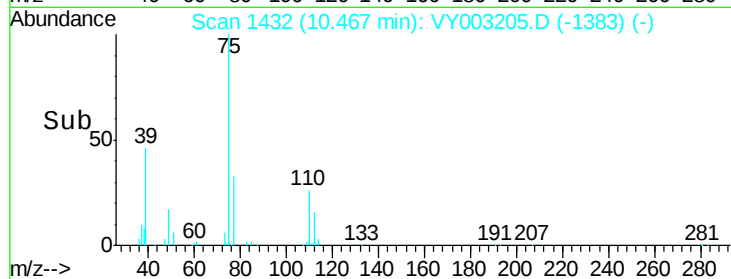
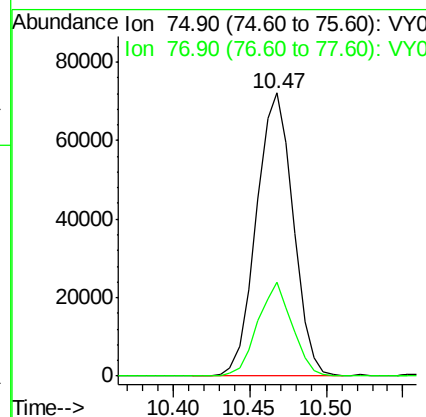
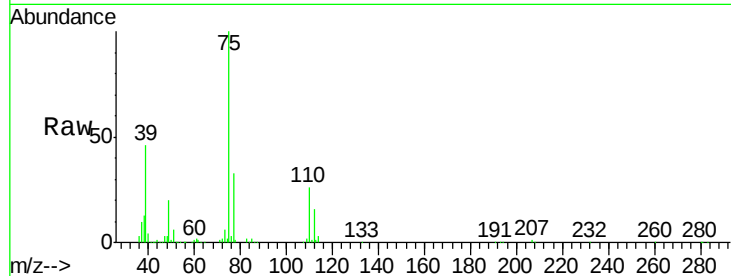
#53
 t-1,3-Dichloropropene
 Concen: 20.677 ug/l
 RT: 10.47 min Scan# 1432
 Delta R.T. 0.00 min
 Lab File: VY003205.D
 Acq: 16 Jul 2020 13:00

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0716SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	33.1	25.2	37.8

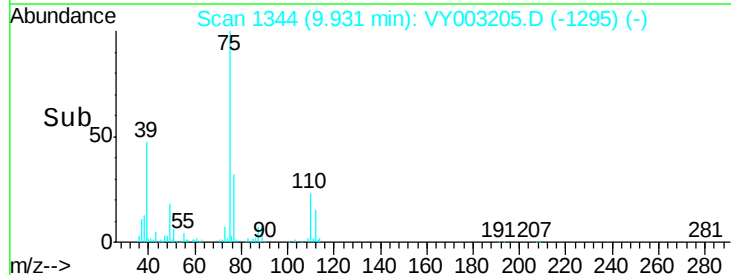
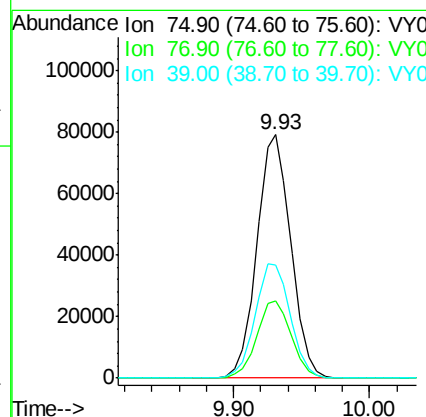
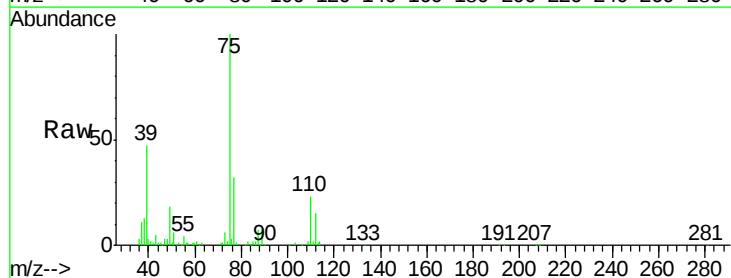
Manual Integrations
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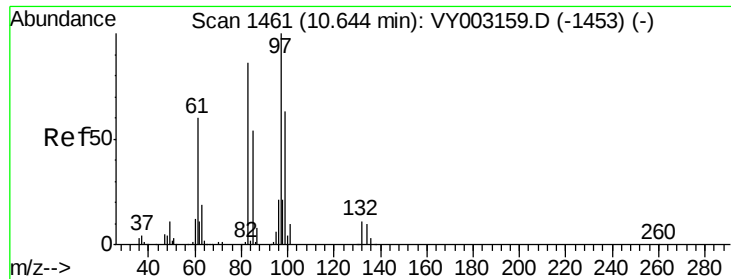
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 7/17/2020 4:43:08 PM



#54
 cis-1,3-Dichloropropene
 Concen: 20.508 ug/l
 RT: 9.93 min Scan# 1344
 Delta R.T. 0.00 min
 Lab File: VY003205.D
 Acq: 16 Jul 2020 13:00

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.9	26.7	40.1
39	46.4	37.0	55.6





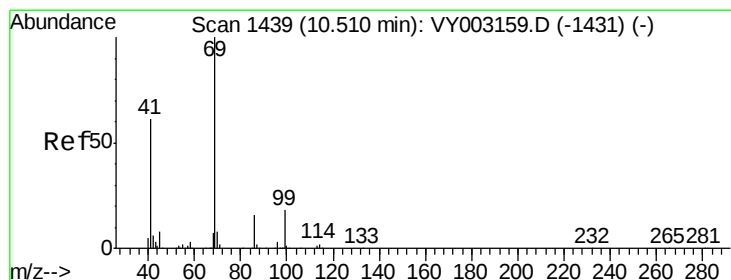
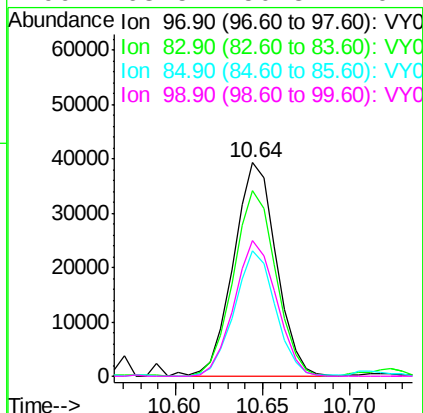
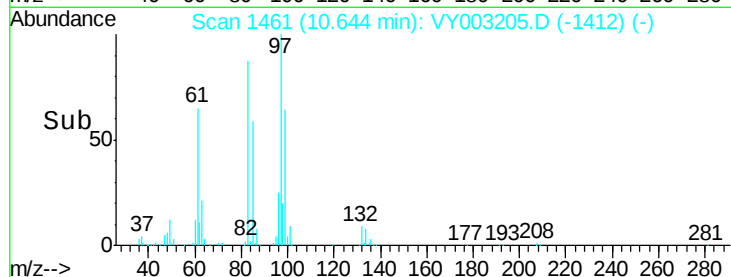
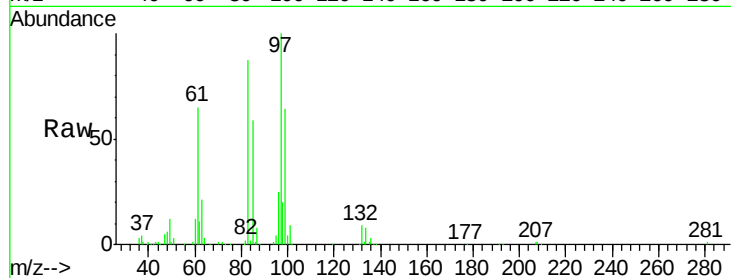
#55
 1,1,2-Trichloroethane
 Concen: 19.770 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. 0.00 min
 Lab File: VY003205.D
 Acq: 16 Jul 2020 13:00

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0716SBS01

Tot Ion:	97	Resp:	66489
Ion	Ratio	Lower	Upper
97	100		
83	86.9	68.8	103.2
85	58.7	43.1	64.7
99	63.5	50.8	76.2

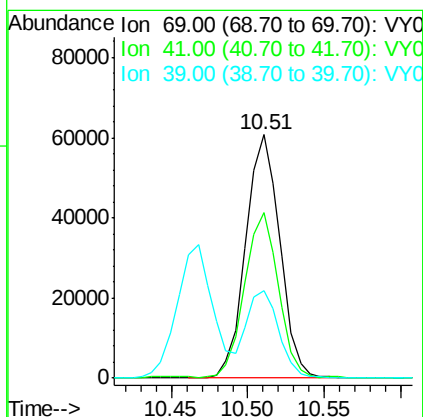
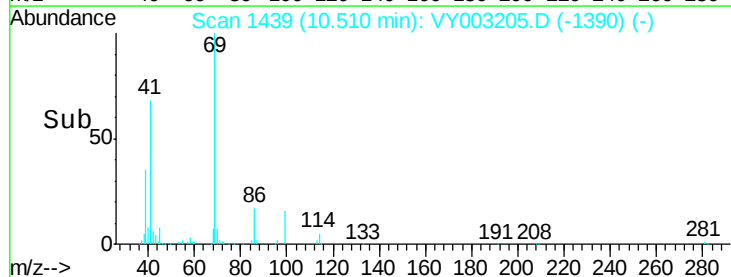
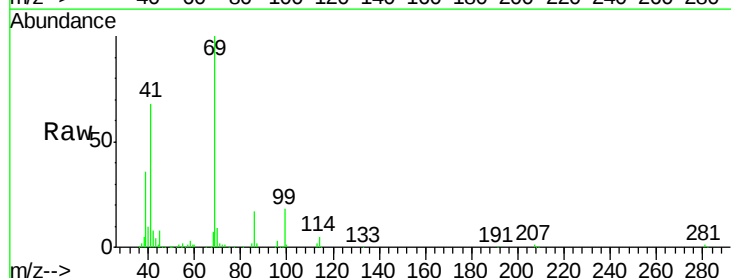
Manual Integrations
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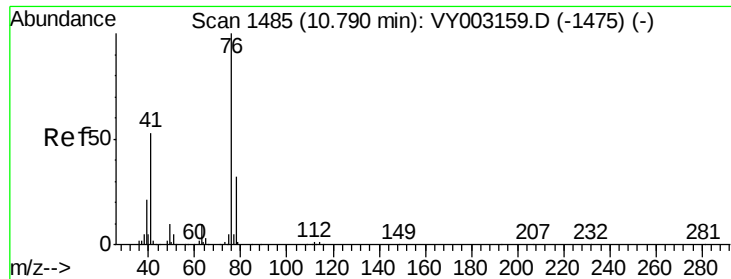
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 7/17/2020 4:43:08 PM



#56
 Ethyl methacrylate
 Concen: 20.624 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. 0.00 min
 Lab File: VY003205.D
 Acq: 16 Jul 2020 13:00

Tgt Ion:	69	Resp:	94297
Ion	Ratio	Lower	Upper
69	100		
41	67.3	50.0	75.0
39	33.8	27.6	41.4





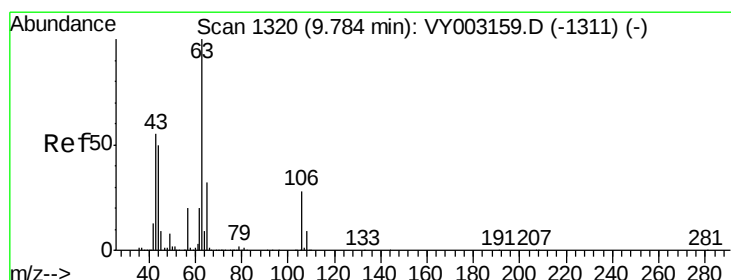
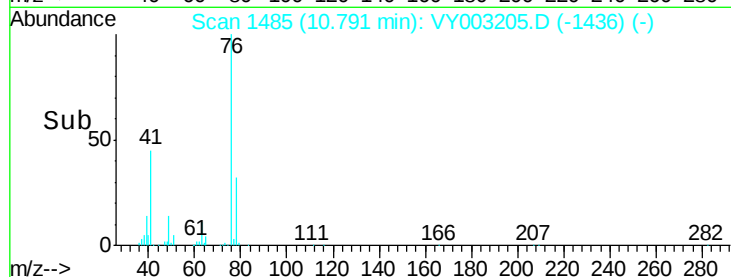
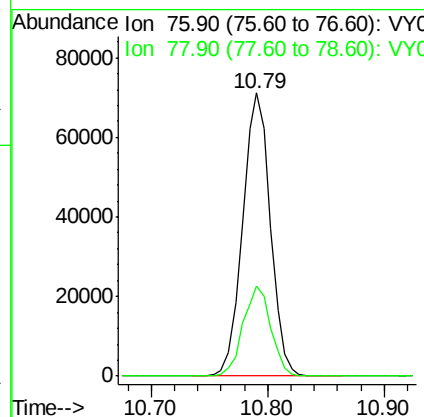
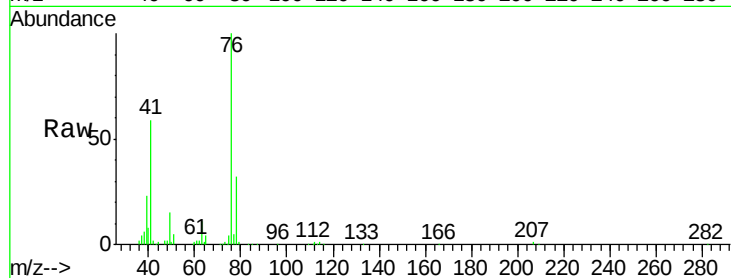
#57
 1,3-Dichloropropane
 Concen: 20.632 ug/l
 RT: 10.79 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VY003205.D
 Acq: 16 Jul 2020 13:00

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0716SBS01

Tot Ion: 76 Resp: 117651
 Ion Ratio Lower Upper
 76 100
 78 32.1 26.0 39.0

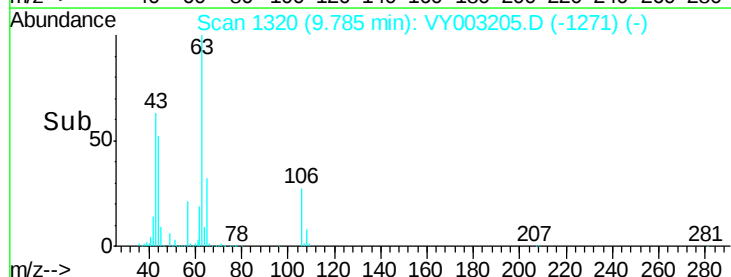
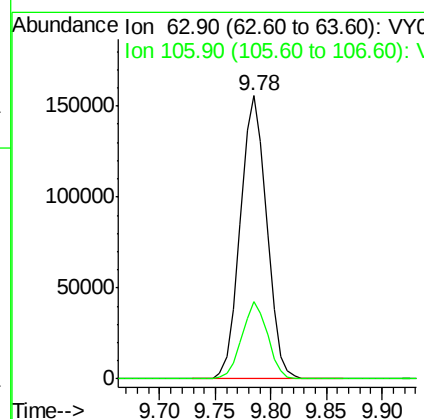
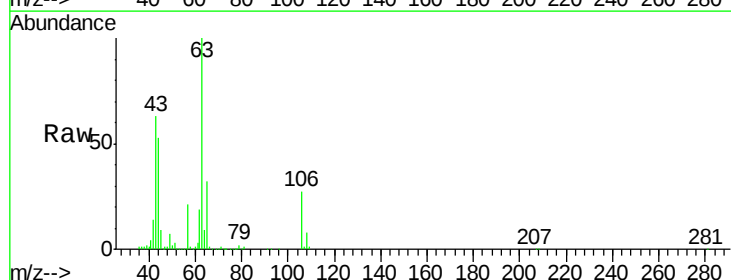
Manual Integrations
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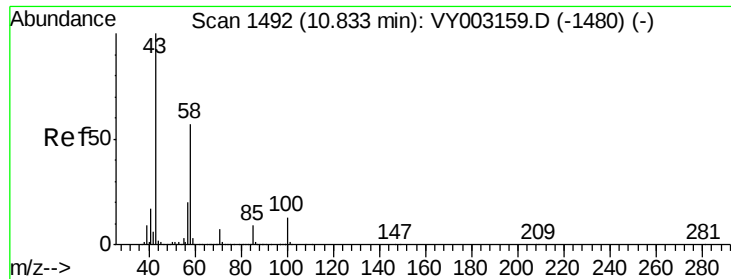
MMDadoda
 7/17/2020 4:43:08 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 109.680 ug/l
 RT: 9.78 min Scan# 1320
 Delta R.T. 0.00 min
 Lab File: VY003205.D
 Acq: 16 Jul 2020 13:00

Tgt Ion: 63 Resp: 255756
 Ion Ratio Lower Upper
 63 100
 106 26.7 22.9 34.3





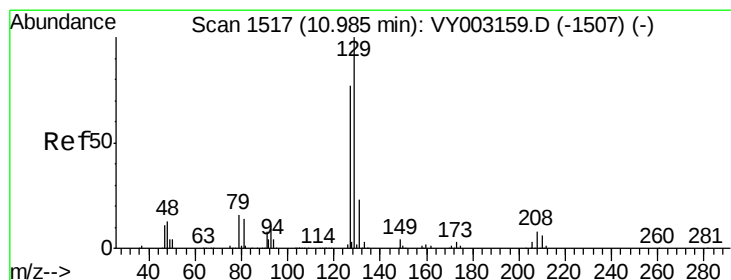
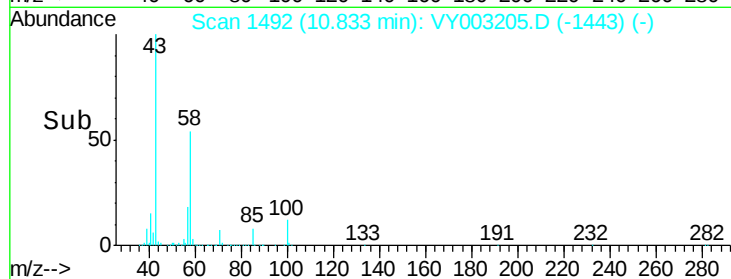
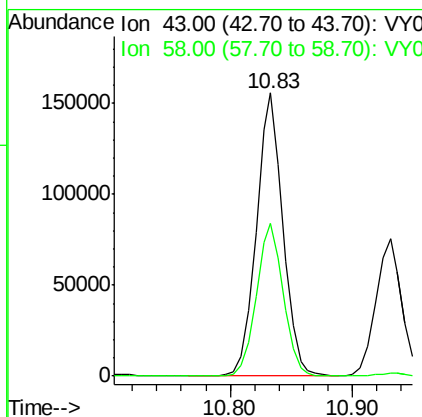
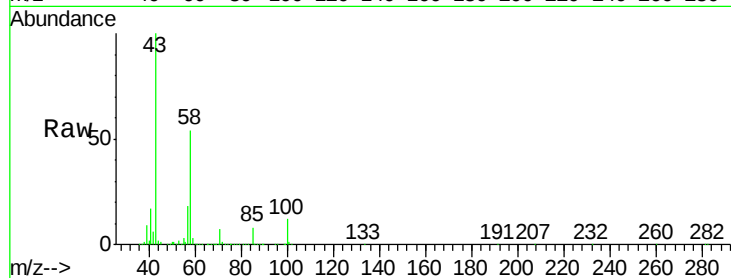
#59
2-Hexanone
Concen: 108.700 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VY003205.D
Acq: 16 Jul 2020 13:00

Instrument :
MSVOA_Y
ClientSampleId :
VY0716SBS01

Tot Ion: 43 Resp: 234476
Ion Ratio Lower Upper
43 100
58 54.9 28.3 85.0

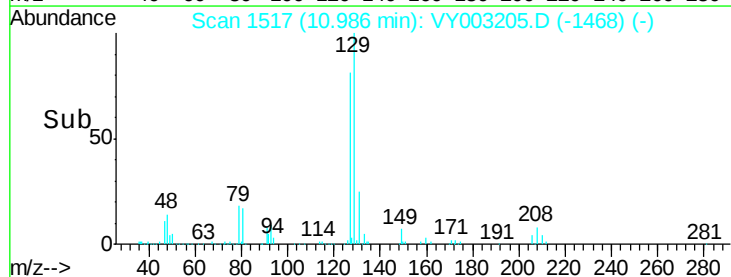
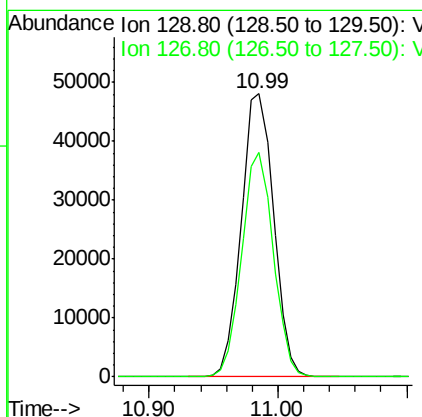
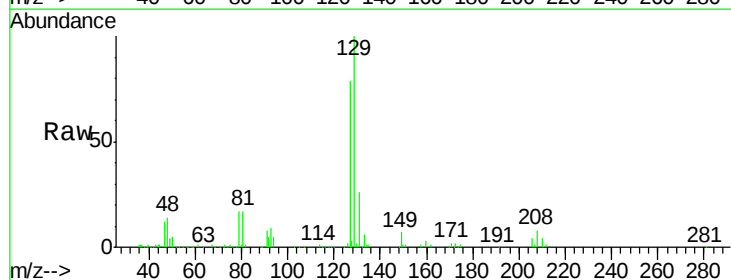
Manual Integrations
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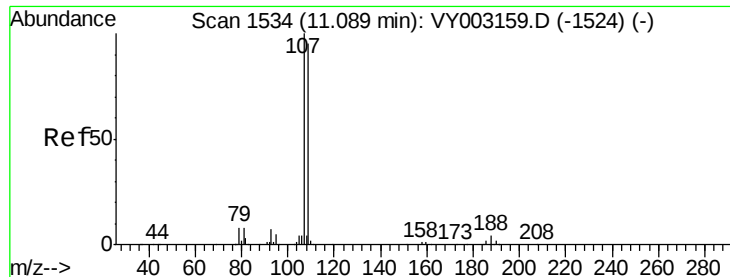
MMDadoda
7/17/2020 4:43:08 PM



#60
Dibromochloromethane
Concen: 19.809 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VY003205.D
Acq: 16 Jul 2020 13:00

Tgt Ion: 129 Resp: 83790
Ion Ratio Lower Upper
129 100
127 77.0 38.5 115.5





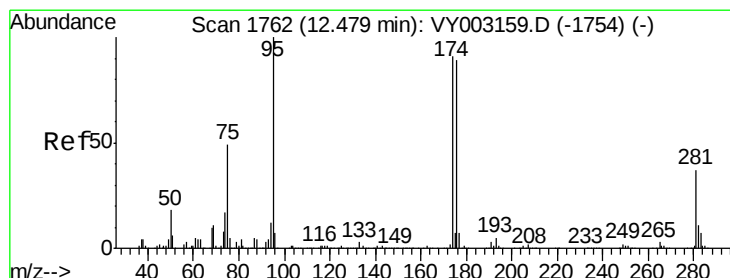
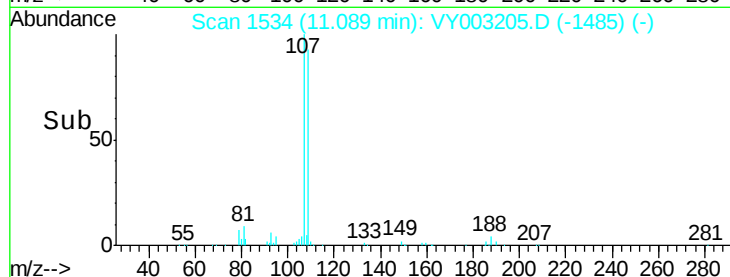
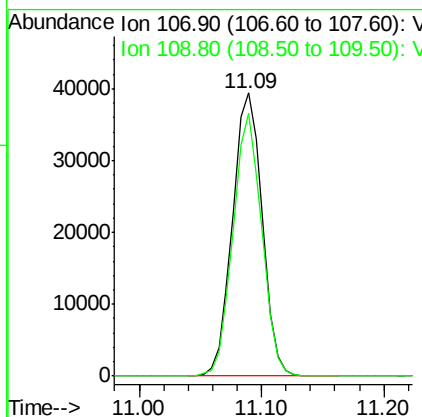
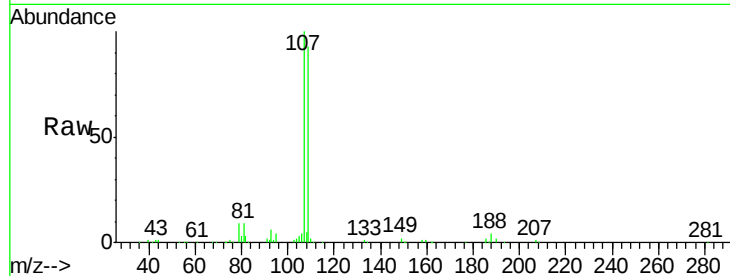
#61
 1,2-Dibromoethane
 Concen: 19.879 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VY003205.D
 Acq: 16 Jul 2020 13:00

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0716SBS01

Tot Ion: 107 Resp: 65984
 Ion Ratio Lower Upper
 107 100
 109 89.7 75.6 113.4

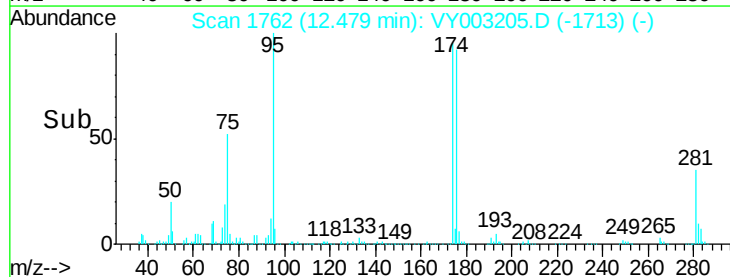
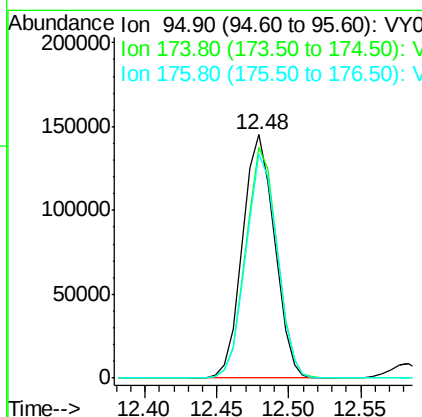
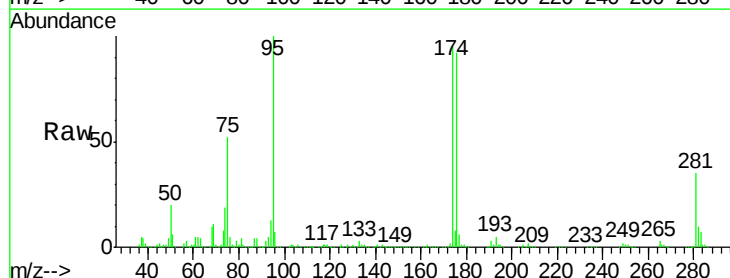
Manual Integrations
 APPROVED

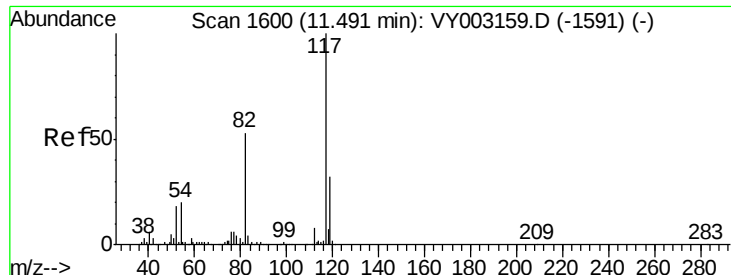
MMDadoda
 7/17/2020 4:43:08 PM



#62
 4-Bromofluorobenzene
 Concen: 46.086 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: VY003205.D
 Acq: 16 Jul 2020 13:00

Tgt Ion: 95 Resp: 224155
 Ion Ratio Lower Upper
 95 100
 174 92.9 0.0 190.6
 176 89.9 0.0 186.4





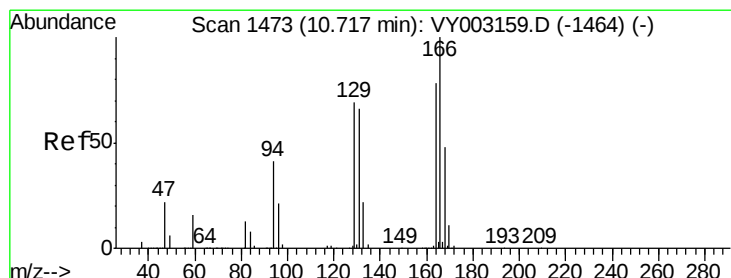
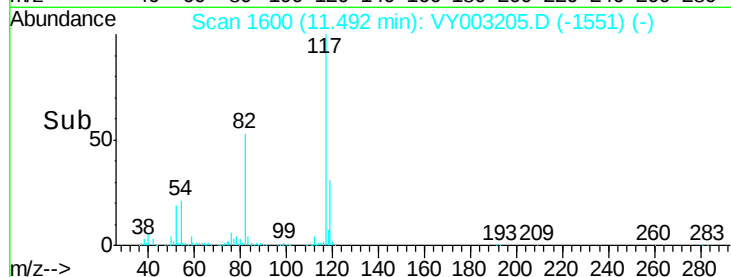
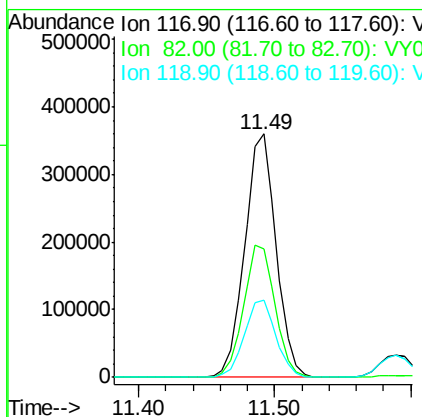
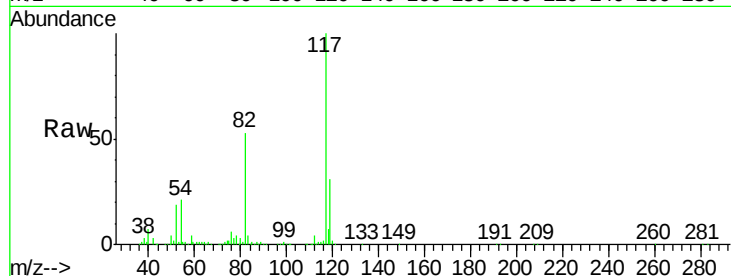
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY003205.D
Acq: 16 Jul 2020 13:00

Instrument :
MSVOA_Y
ClientSampleId :
VY0716SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	579285		
82	52.6		42.0	63.0
119	31.5		25.5	38.3

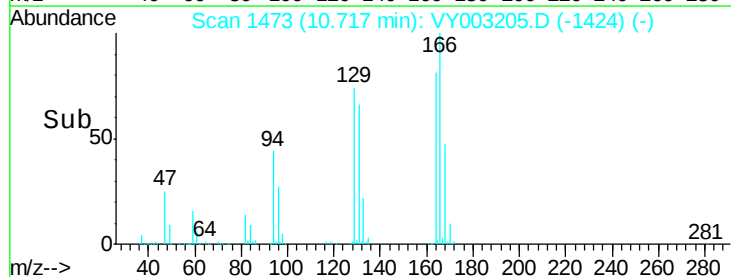
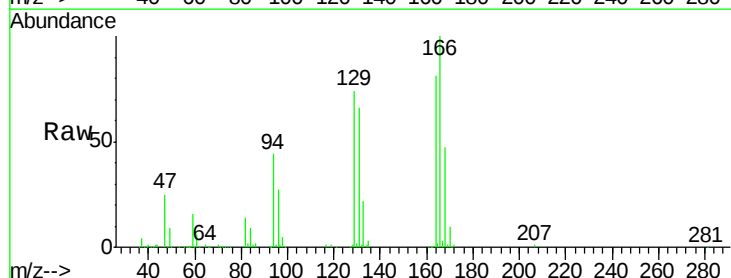
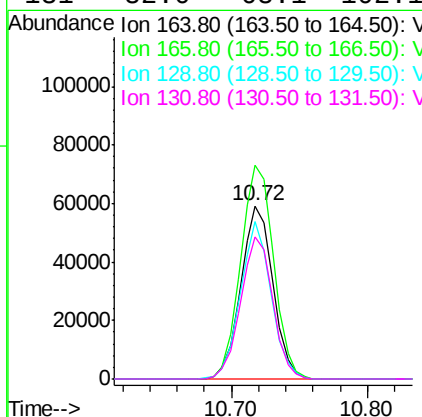
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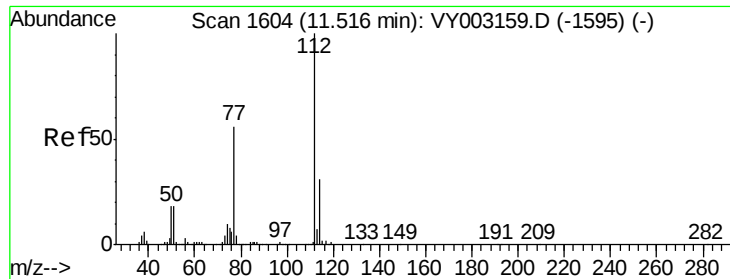
MMDadoda
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#64
Tetrachloroethene
Concen: 18.800 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VY003205.D
Acq: 16 Jul 2020 13:00

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	97105		
166	123.4		102.9	154.3
129	91.1		71.4	107.2
131	82.0		68.1	102.1





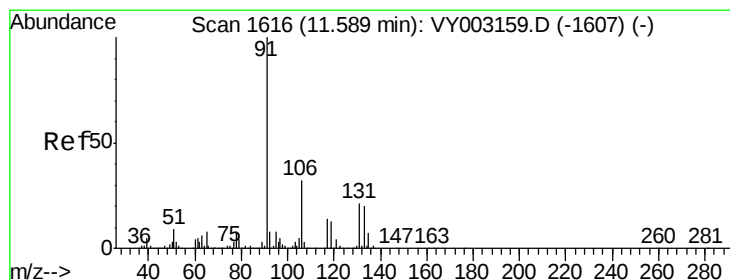
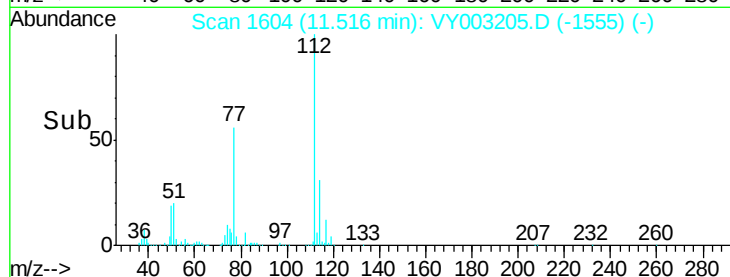
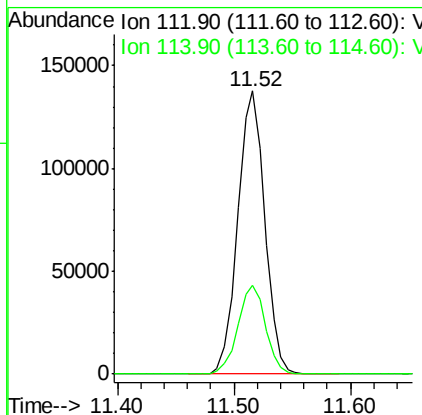
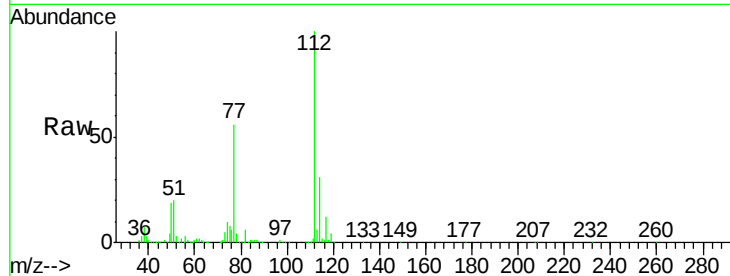
#65
Chlorobenzene
Concen: 19.993 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VY003205.D
Acq: 16 Jul 2020 13:00

Instrument :
MSVOA_Y
ClientSampleId :
VY0716SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.4	24.7	37.1

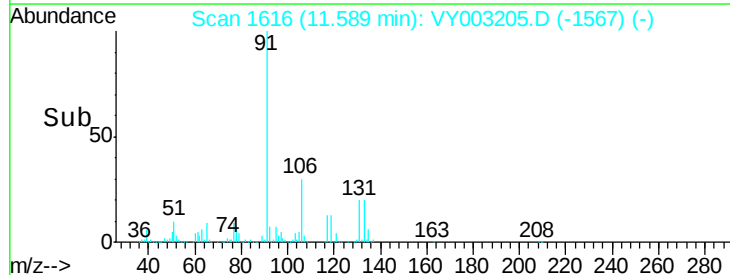
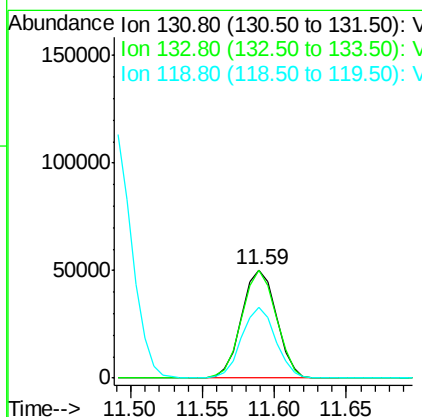
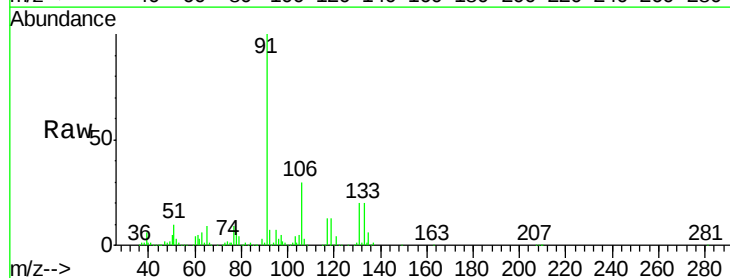
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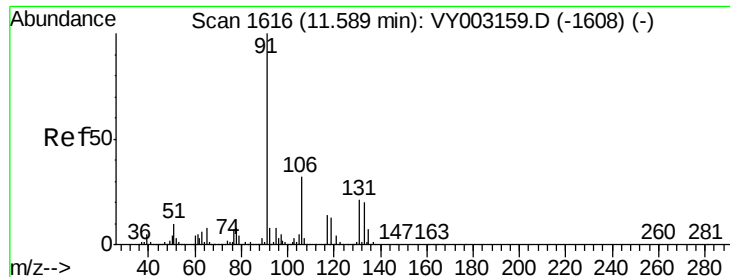
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.488 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VY003205.D
Acq: 16 Jul 2020 13:00

Tgt Ion	Ratio	Lower	Upper
131	100		
133	99.1	48.0	144.0
119	63.8	32.4	97.0





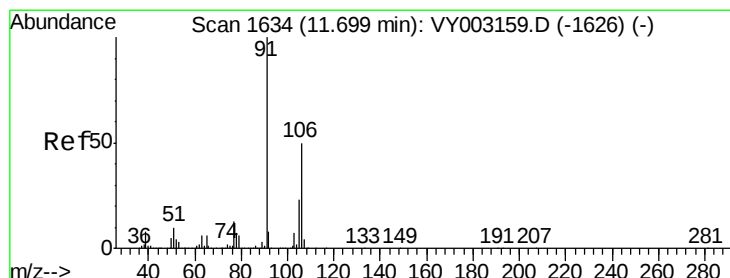
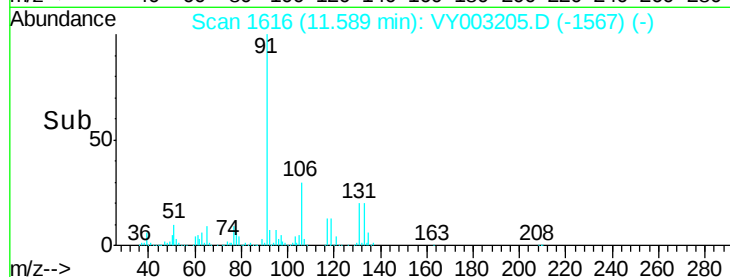
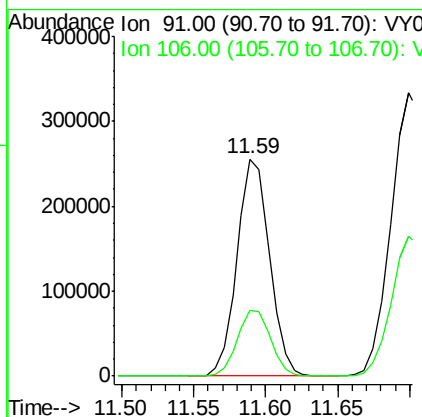
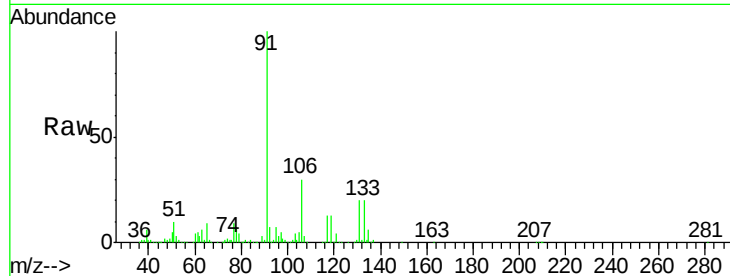
#67
Ethyl Benzene
Concen: 20.158 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VY003205.D
Acq: 16 Jul 2020 13:00

Instrument :
MSVOA_Y
ClientSampleId :
VY0716SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
106	30.1	25.5	38.3

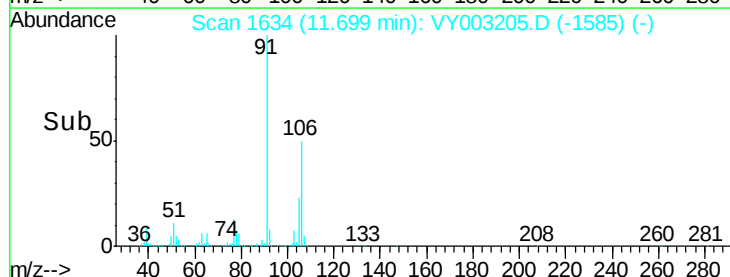
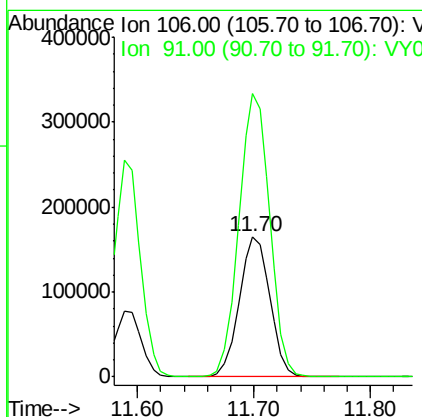
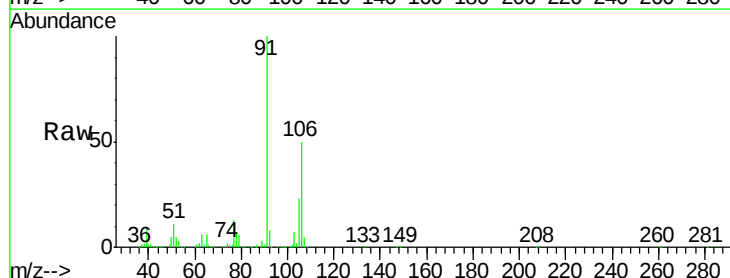
Manual Integrations
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#68
m/p-Xylenes
Concen: 39.998 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VY003205.D
Acq: 16 Jul 2020 13:00

Tgt Ion	Ratio	Lower	Upper
106	100		
91	203.1	159.0	238.6





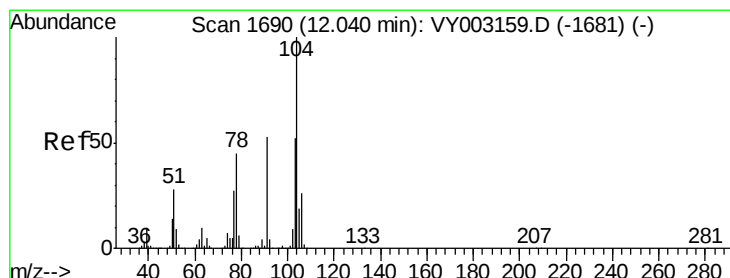
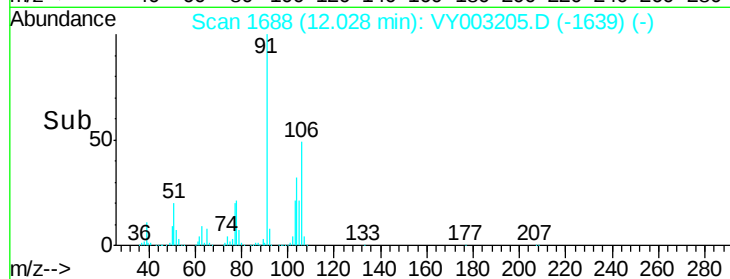
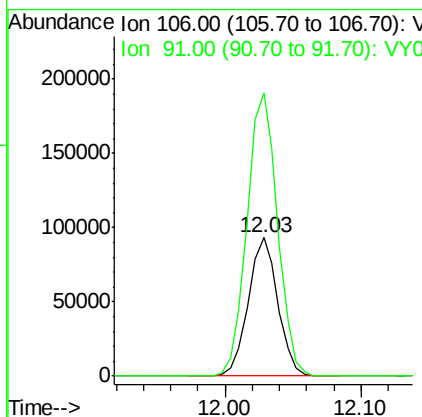
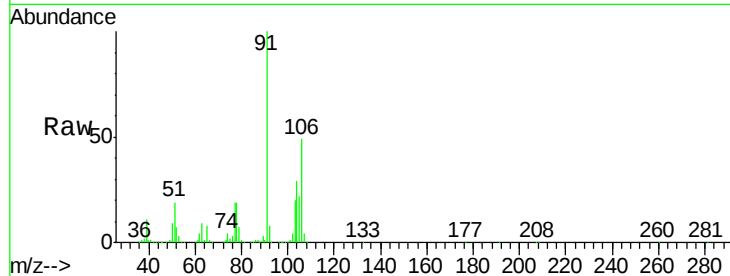
#69
o-Xylene
Concen: 20.038 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VY003205.D
Acq: 16 Jul 2020 13:00

Instrument :
MSVOA_Y
ClientSampleId :
VY0716SBSD01

Tot Ion	Ion	Ratio	Lower	Upper
106	106	100		
91	91	211.7	105.1	315.1

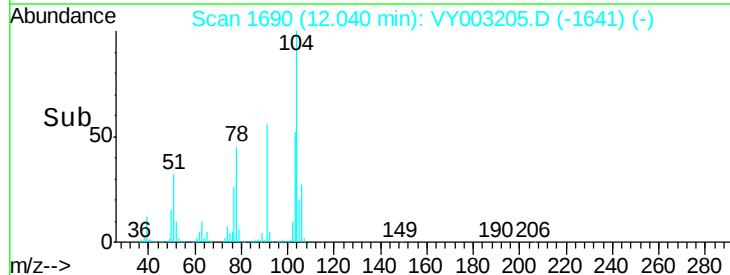
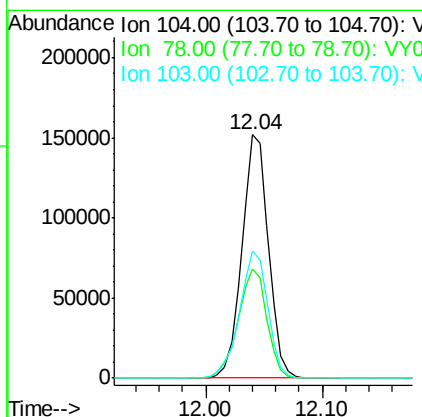
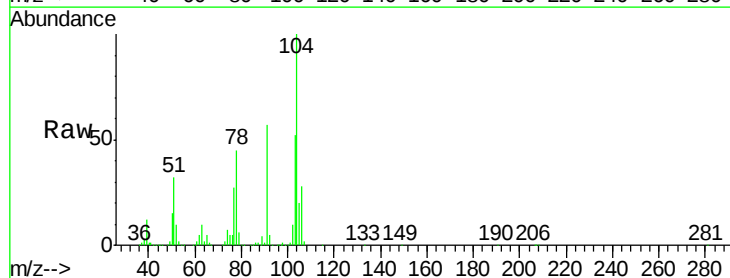
Manual Integrations
APPROVED

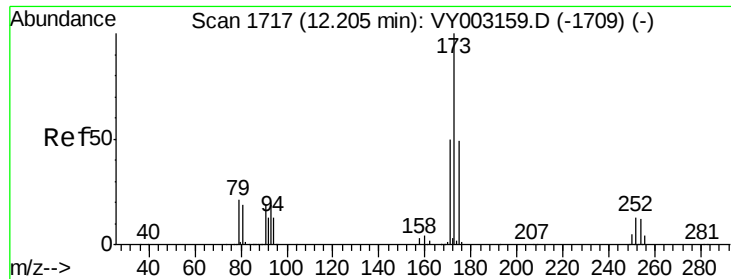
MMDadoda
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#70
Styrene
Concen: 19.890 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VY003205.D
Acq: 16 Jul 2020 13:00

Tgt Ion	Ion	Ratio	Lower	Upper
104	104	100		
78	78	48.6	38.5	57.7
103	103	55.8	43.9	65.9





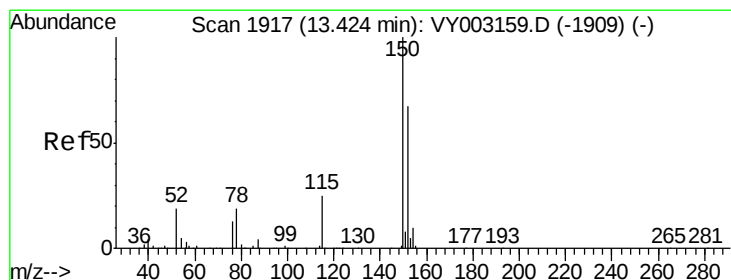
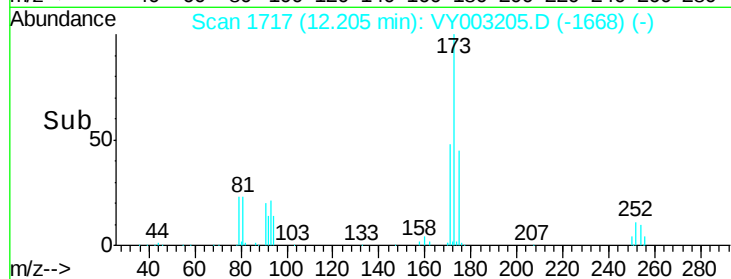
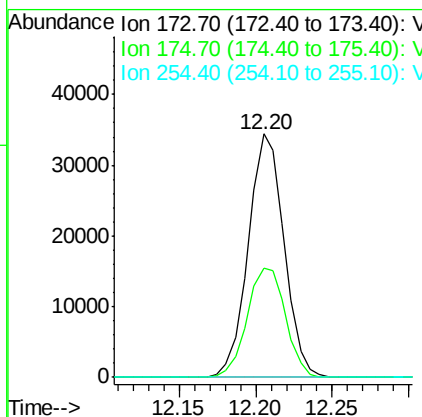
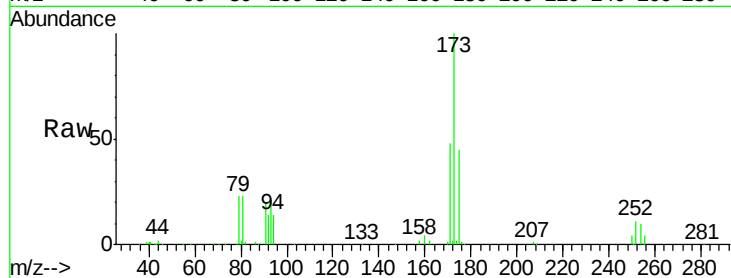
#71
Bromoform
Concen: 19.676 ug/l
RT: 12.20 min Scan# 1717
Delta R.T. 0.00 min
Lab File: VY003205.D
Acq: 16 Jul 2020 13:00

Instrument :
MSVOA_Y
ClientSampleId :
VY0716SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.1	24.3	73.0
254	0.2	0.2	0.2

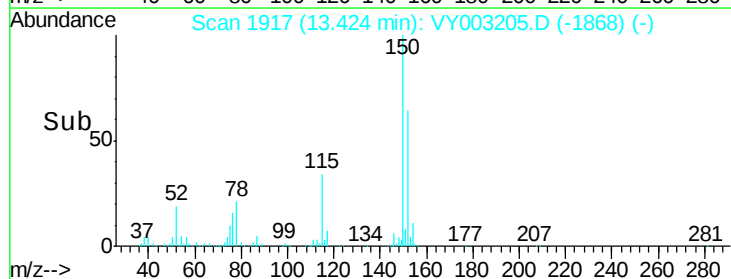
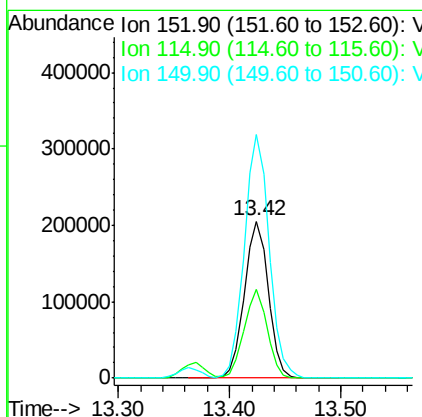
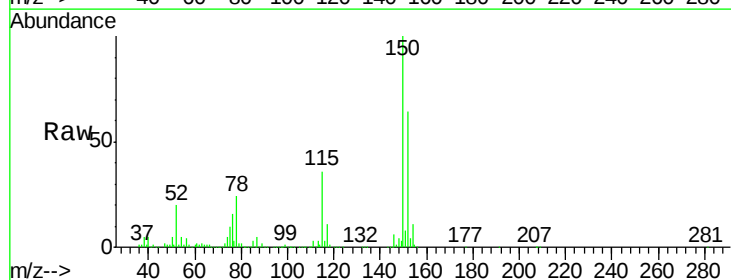
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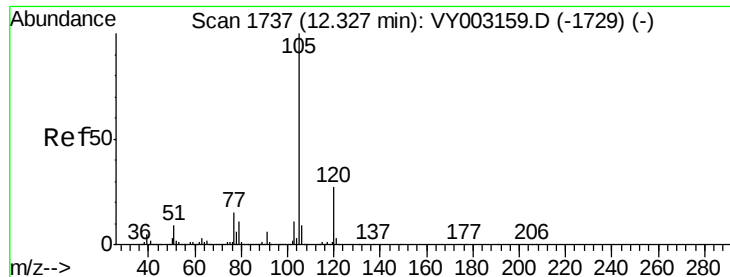
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VY003205.D
Acq: 16 Jul 2020 13:00

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.7	26.9	80.7
150	161.6	0.0	338.0





#73

Isopropylbenzene

Concen: 20.023 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VY003205.D

Acq: 16 Jul 2020 13:00

Instrument :

MSVOA_Y

ClientSampleId :

VY0716SBS01

Tot Ion: 105 Resp: 389964

Ion Ratio Lower Upper

105 100

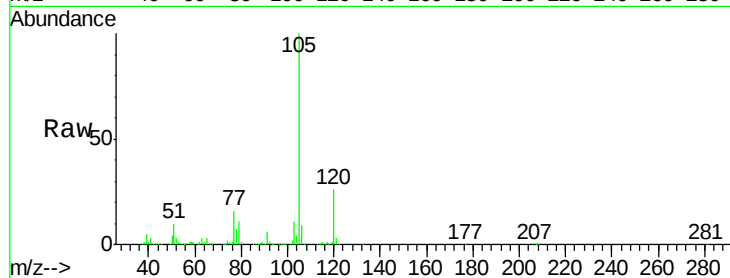
120 26.8 13.4 40.2

Manual Integrations

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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

250000

200000

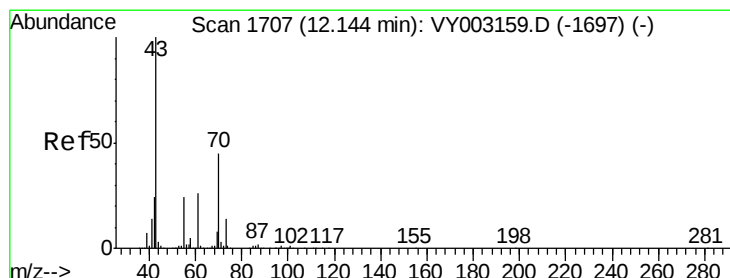
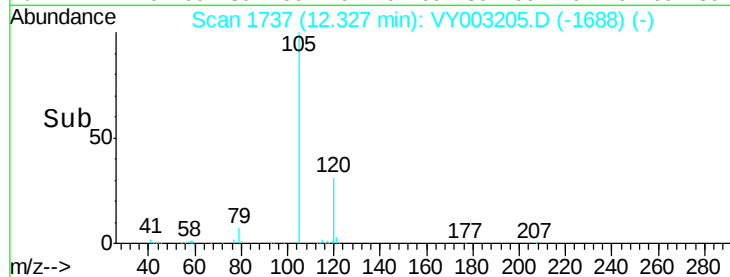
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 22.053 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VY003205.D

Acq: 16 Jul 2020 13:00

Tgt Ion: 43 Resp: 120512

Ion Ratio Lower Upper

43 100

70 40.7 35.6 53.4

55 23.8 19.4 29.2

61 24.1 20.8 31.2

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

120000

100000

80000

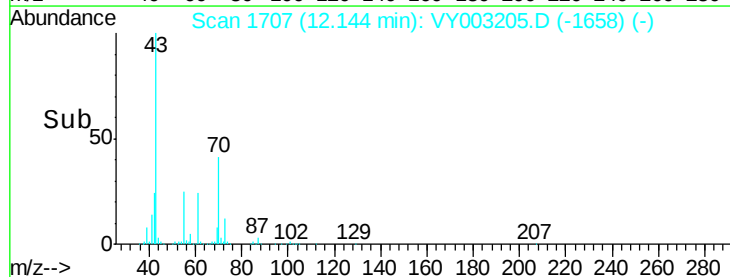
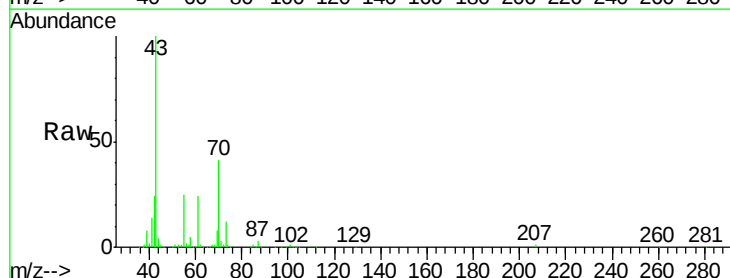
60000

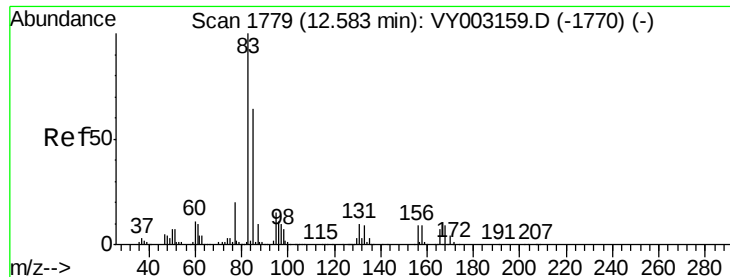
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.436 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VY003205.D

Acq: 16 Jul 2020 13:00

Instrument :

MSVOA_Y

ClientSampleId :

VY0716SBS01

Tot Ion: 83 Resp: 76868

Ion Ratio Lower Upper

83 100

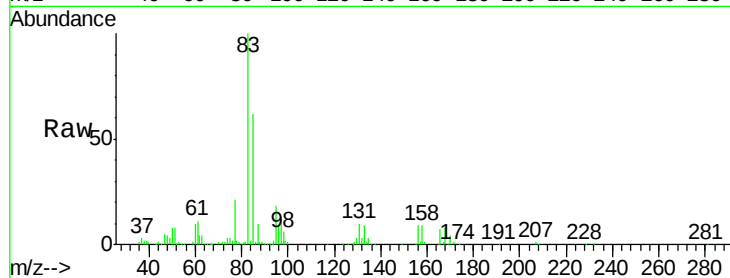
131 10.7 5.2 15.6

85 64.4 32.0 96.0

Manual Integrations
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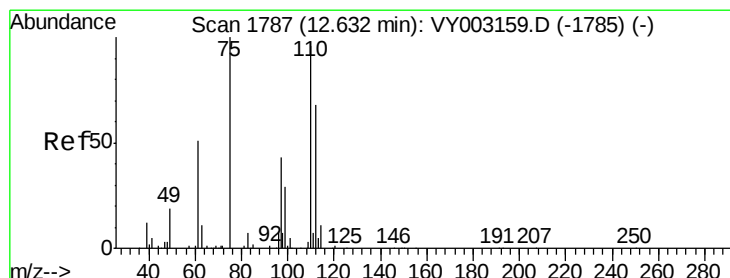
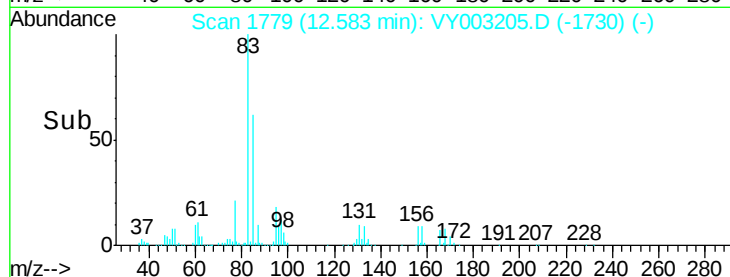
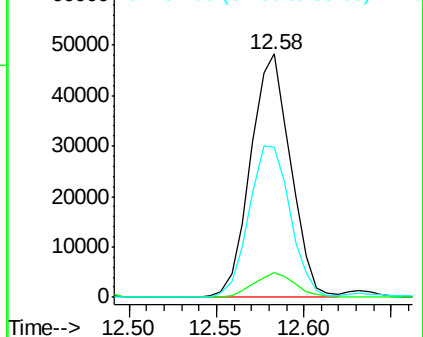
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Abundance Ion 82.90 (82.60 to 83.60): VY0

Ion 130.80 (130.50 to 131.50): VY0

Ion 84.90 (84.60 to 85.60): VY0



#76

1,2,3-Trichloropropane

Concen: 20.065 ug/l m

RT: 12.63 min Scan# 1787

Delta R.T. 0.00 min

Lab File: VY003205.D

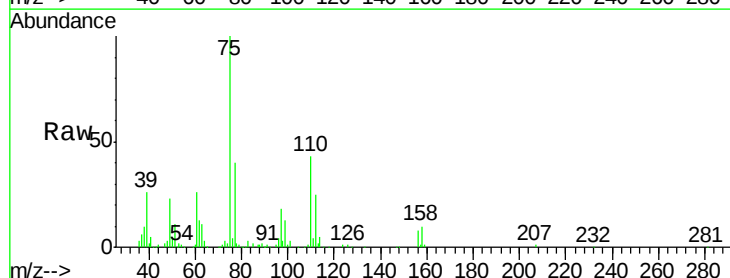
Acq: 16 Jul 2020 13:00

Tgt Ion: 75 Resp: 54279

Ion Ratio Lower Upper

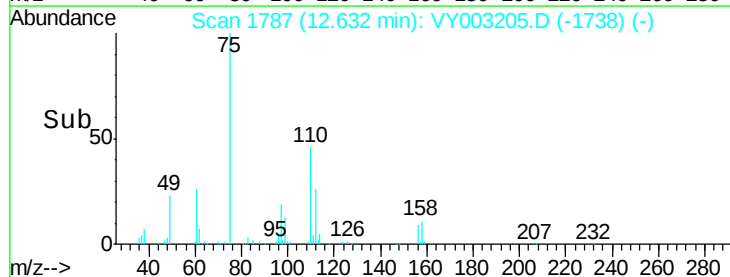
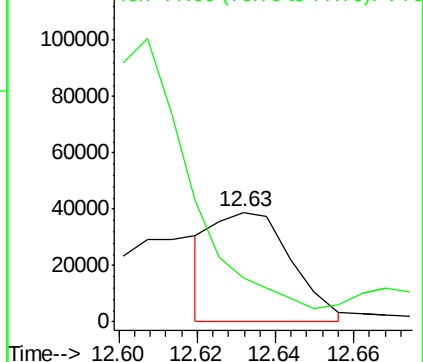
75 100

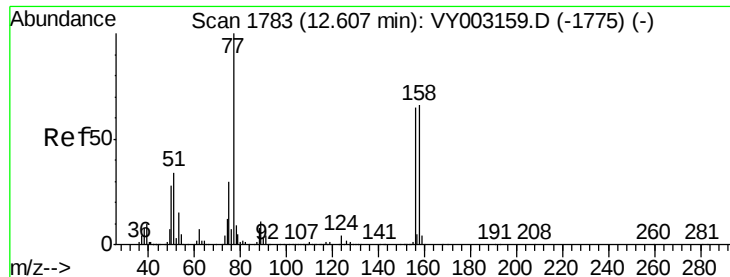
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0





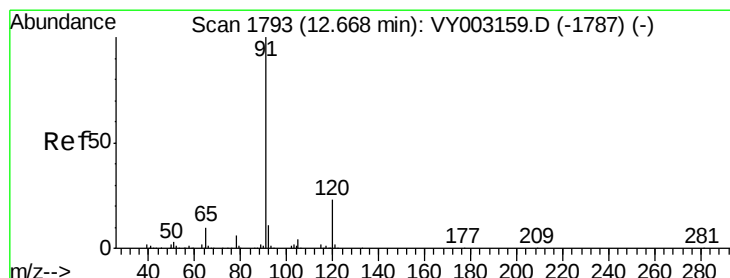
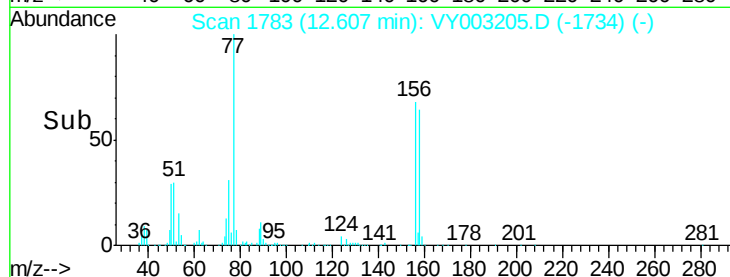
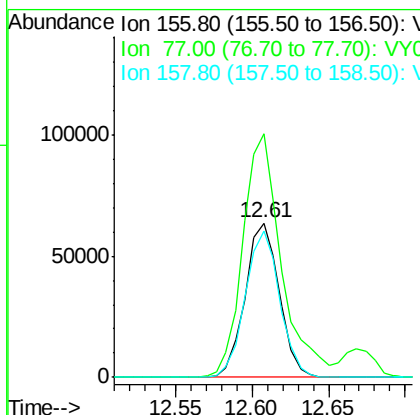
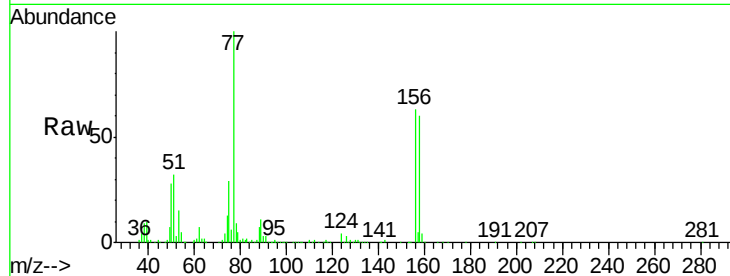
#77
Bromobenzene
Concen: 19.829 ug/l
RT: 12.61 min Scan# 1783
Delta R.T. 0.00 min
Lab File: VY003205.D
Acq: 16 Jul 2020 13:00

Instrument :
MSVOA_Y
ClientSampleId :
VY0716SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	178.3	86.6	259.7
158	95.8	49.4	148.0

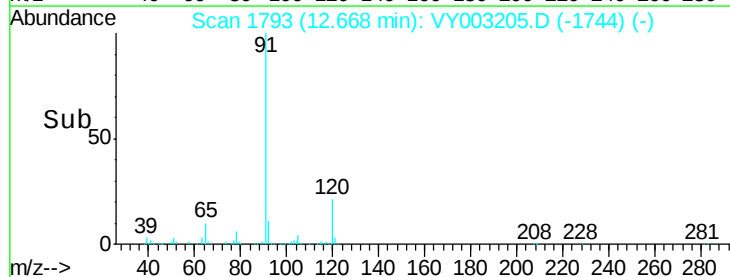
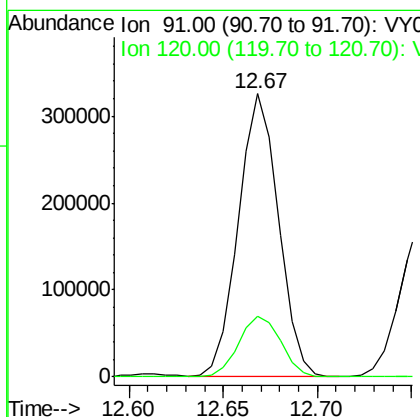
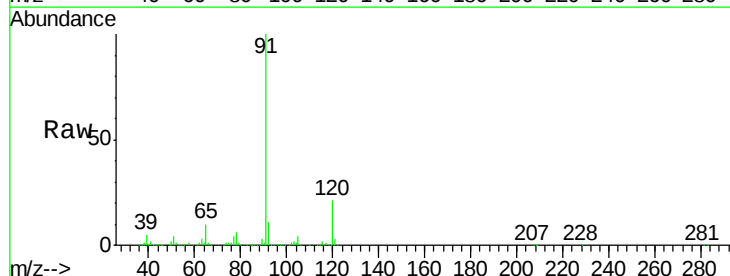
Manual Integrations
APPROVED

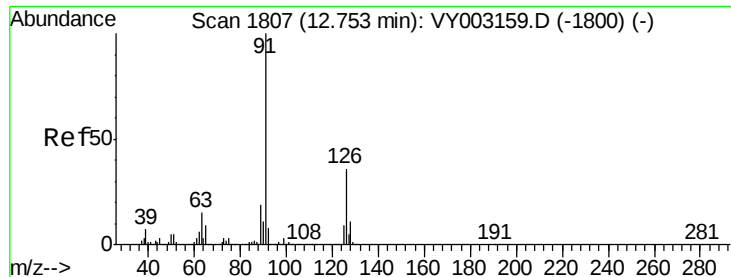
MMDadoda
7/17/2020 4:43:08 PM



#78
n-propylbenzene
Concen: 20.930 ug/l
RT: 12.67 min Scan# 1793
Delta R.T. 0.00 min
Lab File: VY003205.D
Acq: 16 Jul 2020 13:00

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.7	35.1





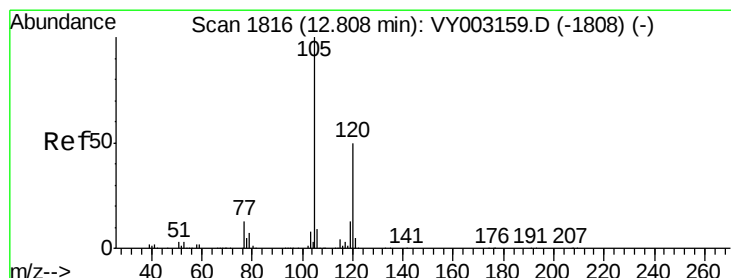
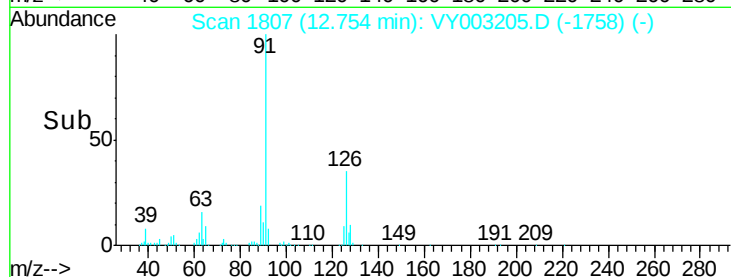
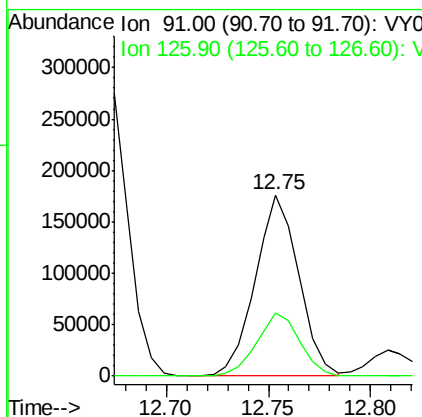
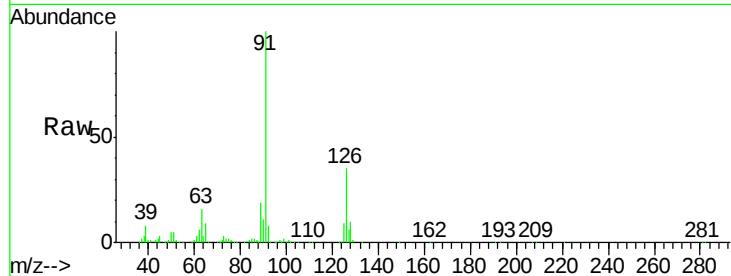
#79
 2-Chlorotoluene
 Concen: 20.341 ug/l
 RT: 12.75 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VY003205.D
 Acq: 16 Jul 2020 13:00

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0716SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
126	34.9	17.6	52.9

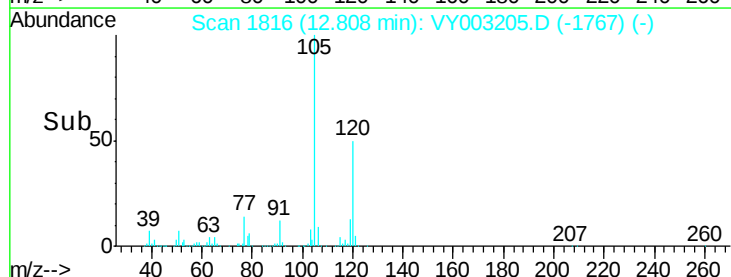
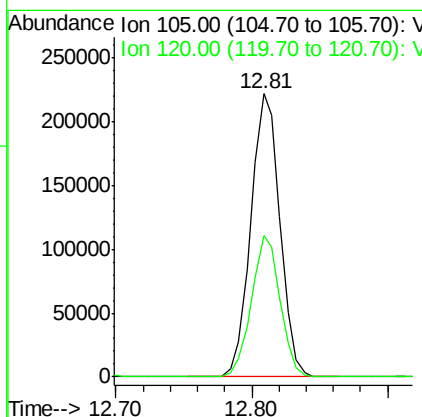
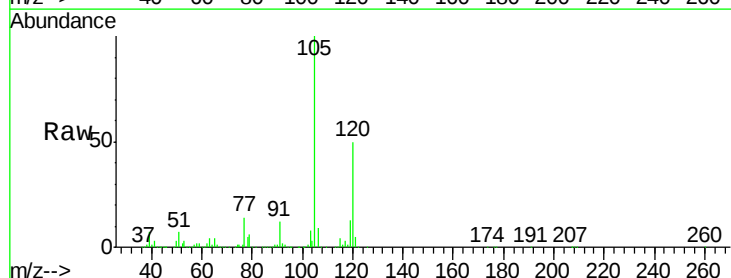
Manual Integrations
 APPROVED

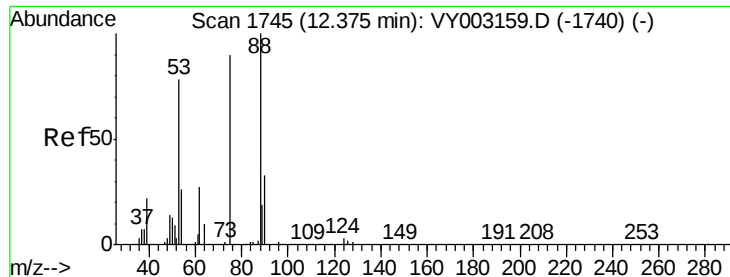
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 20.422 ug/l
 RT: 12.81 min Scan# 1816
 Delta R.T. 0.00 min
 Lab File: VY003205.D
 Acq: 16 Jul 2020 13:00

Tgt Ion	Ratio	Lower	Upper
105	100		
120	49.3	24.9	74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 20.143 ug/l

RT: 12.38 min Scan# 1745

Delta R.T. 0.00 min

Lab File: VY003205.D

Acq: 16 Jul 2020 13:00

Instrument :

MSVOA_Y

ClientSampleId :

VY0716SBS01

Tot Ion: 75 Resp: 27998

Ion Ratio Lower Upper

75 100

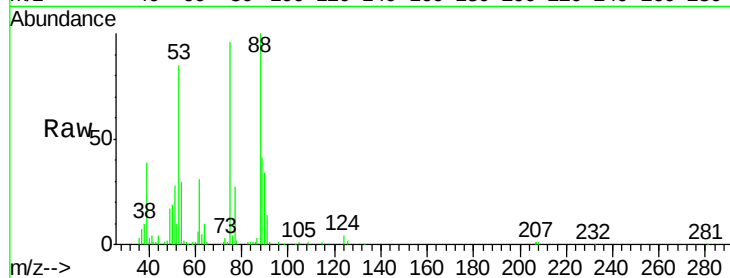
53 89.8 72.0 108.0

89 39.9 37.3 55.9

Manual Integrations
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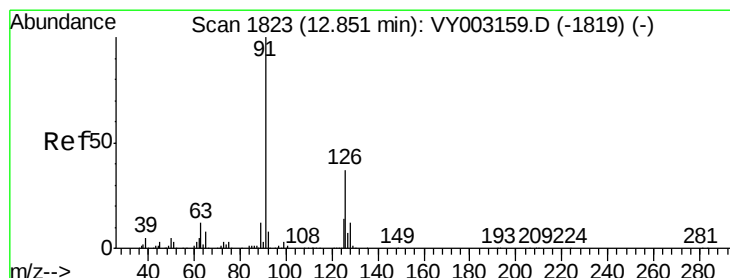
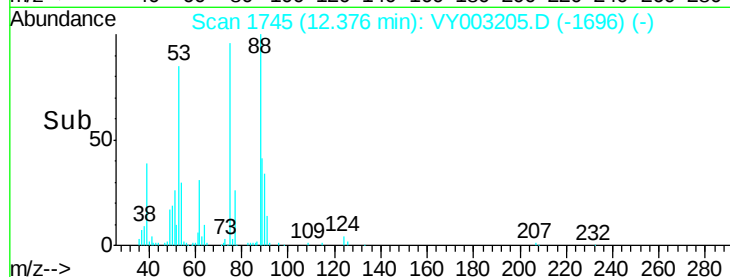
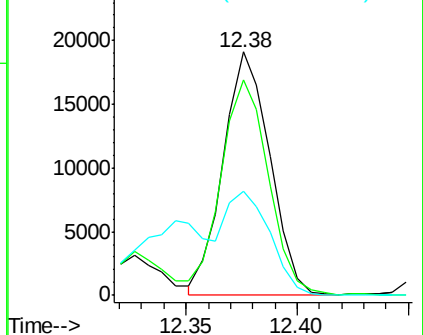
7/17/2020 4:43:08 PM



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0



#82

4-Chlorotoluene

Concen: 20.744 ug/l

RT: 12.85 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VY003205.D

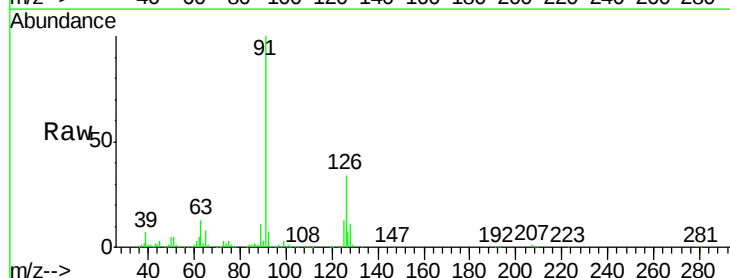
Acq: 16 Jul 2020 13:00

Tgt Ion: 91 Resp: 277319

Ion Ratio Lower Upper

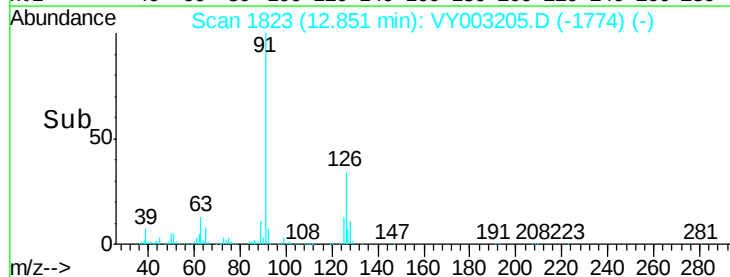
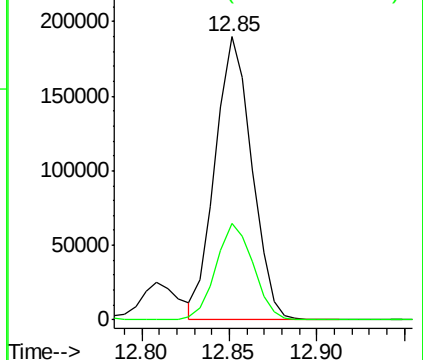
91 100

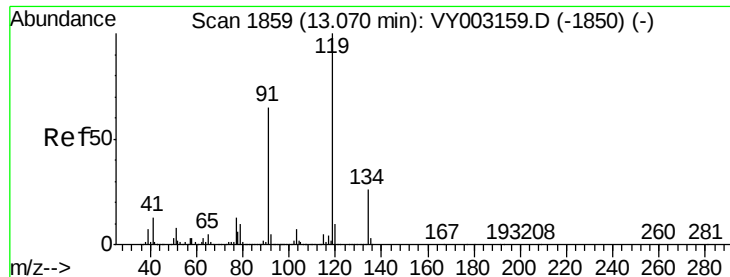
126 34.9 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 125.90 (125.60 to 126.60): V





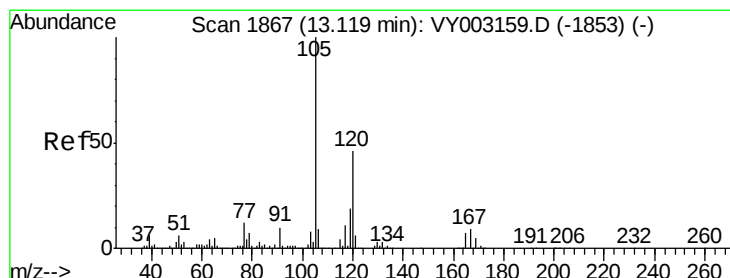
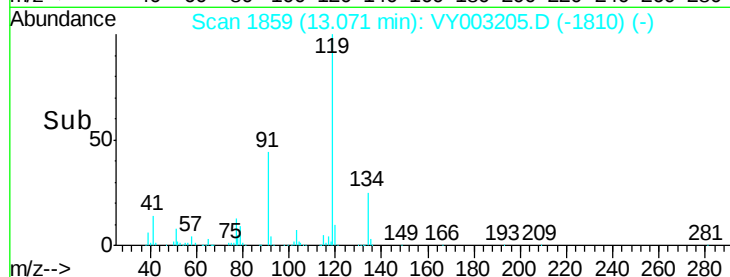
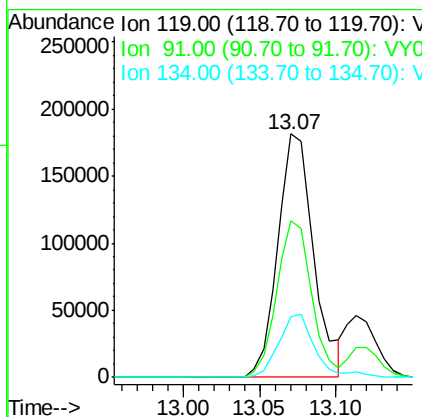
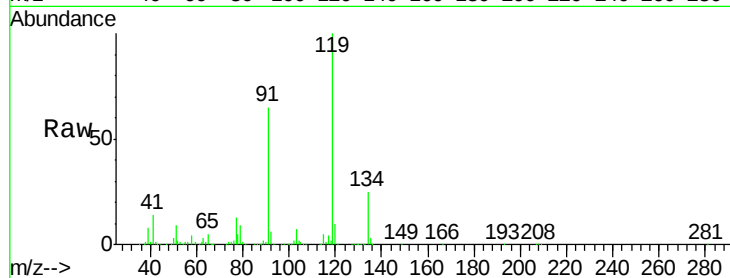
#83
tert-Butylbenzene
Concen: 20.643 ug/l
RT: 13.07 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VY003205.D
Acq: 16 Jul 2020 13:00

Instrument :
MSVOA_Y
ClientSampleId :
VY0716SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	295660		
91	62.6	30.8	92.4	
134	26.4	13.2	39.6	

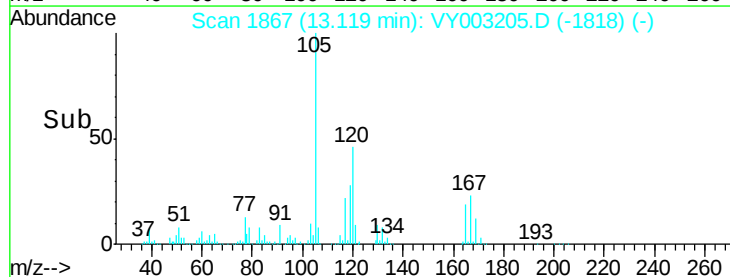
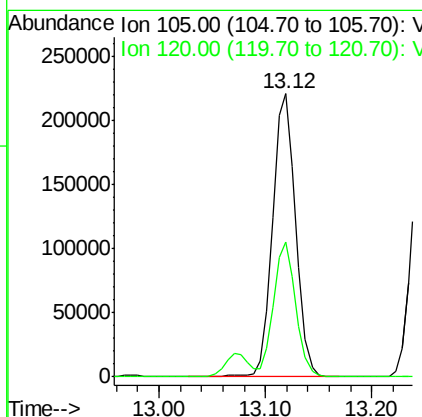
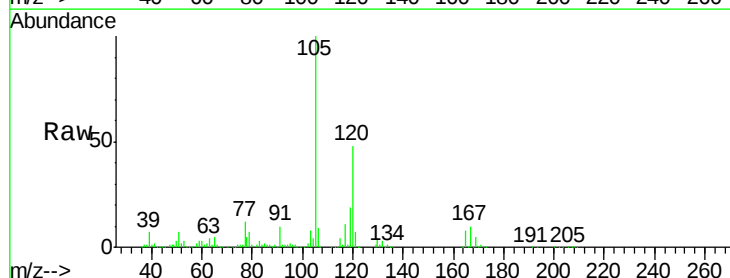
Manual Integrations
APPROVED

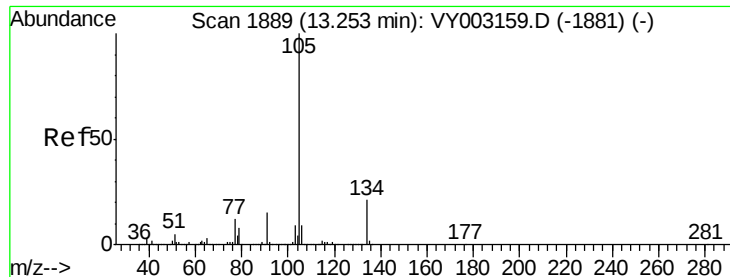
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#84
1,2,4-Trimethylbenzene
Concen: 20.365 ug/l
RT: 13.12 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VY003205.D
Acq: 16 Jul 2020 13:00

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	332596		
120	46.4	22.5	67.5	





#85

sec-Butylbenzene

Concen: 20.595 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. 0.00 min

Lab File: VY003205.D

Acq: 16 Jul 2020 13:00

Instrument :

MSVOA_Y

ClientSampleId :

VY0716SBS01

Tot Ion:105 Resp: 405416

Ion Ratio Lower Upper

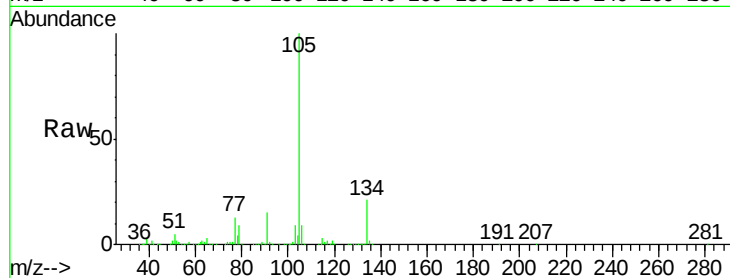
105 100

134 20.6 10.4 31.4

Manual Integrations
APPROVED

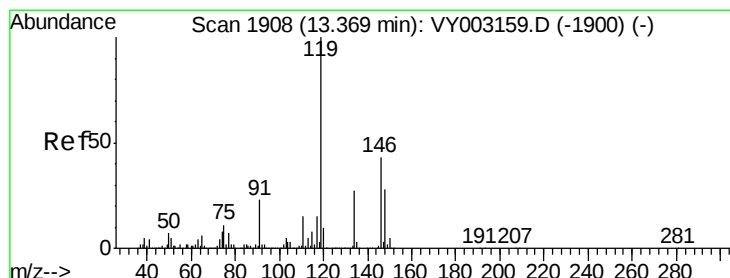
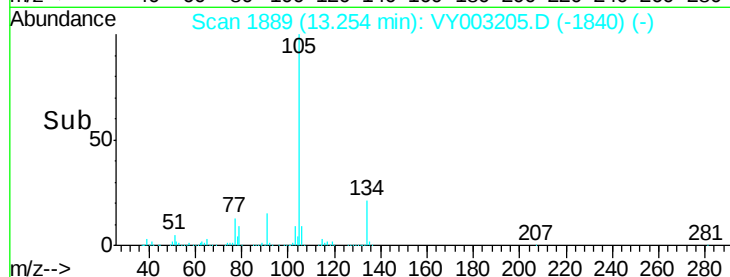
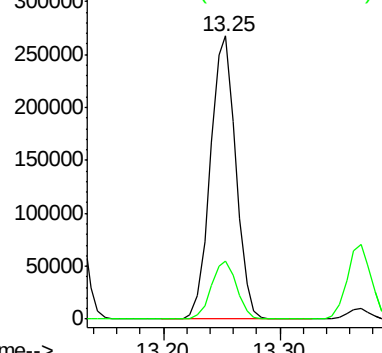
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.442 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. 0.00 min

Lab File: VY003205.D

Acq: 16 Jul 2020 13:00

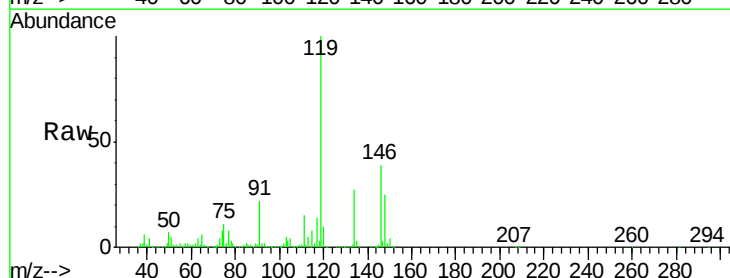
Tgt Ion:119 Resp: 375745

Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.2

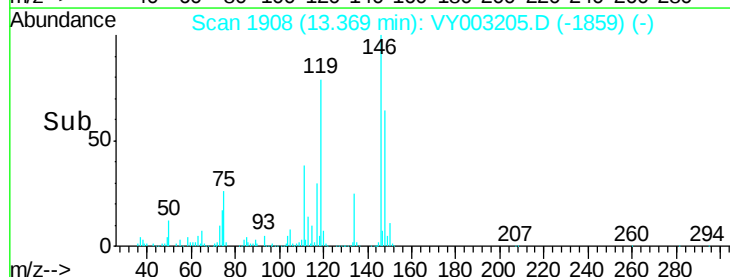
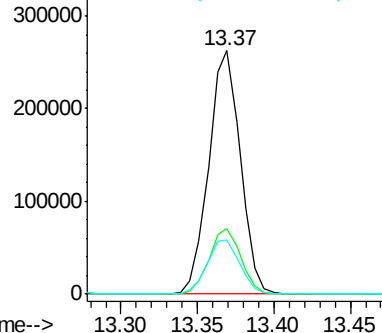
91 22.8 11.2 33.6

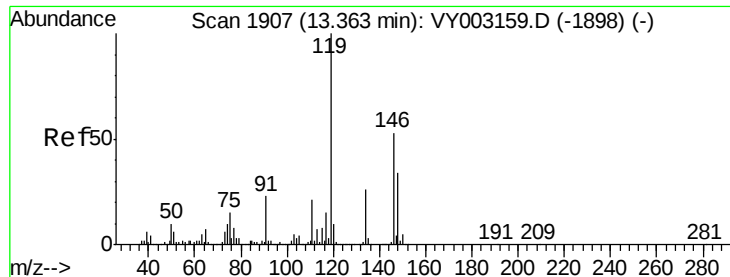


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0





#87

1,3-Dichlorobenzene

Concen: 19.863 ug/l

RT: 13.36 min Scan# 1907

Delta R.T. 0.00 min

Lab File: VY003205.D

Acq: 16 Jul 2020 13:00

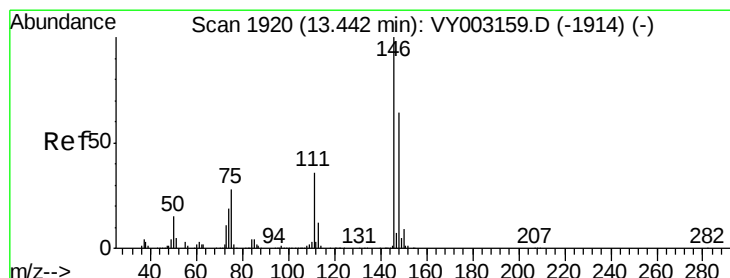
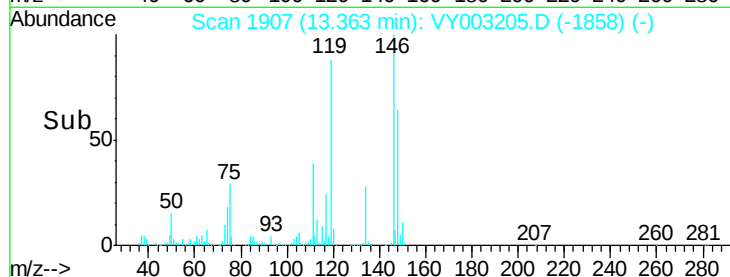
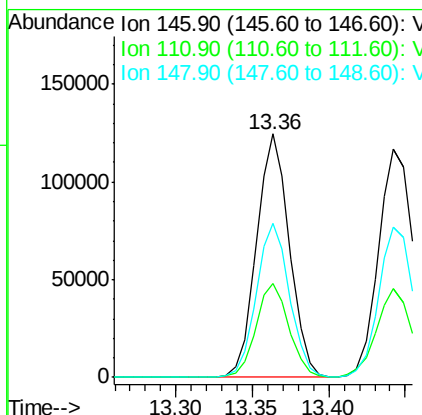
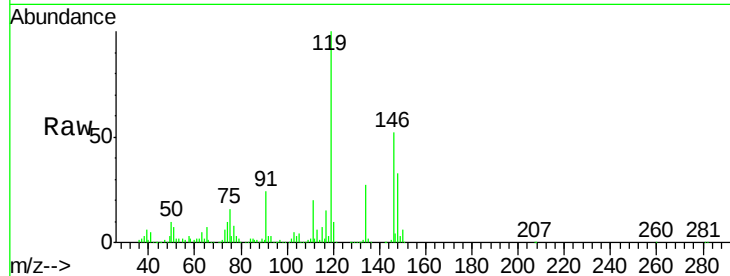
Instrument :
MSVOA_Y

ClientSampleId :
VY0716SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	18.8	56.3
148	63.9	32.3	96.9

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 19.680 ug/l

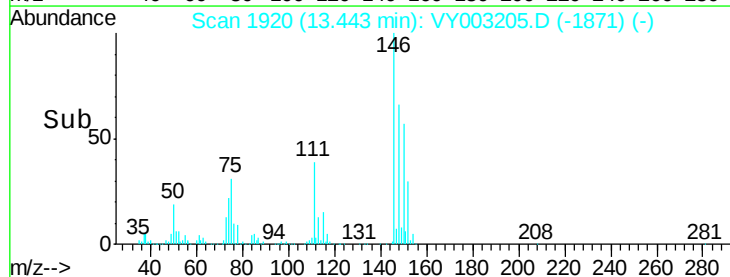
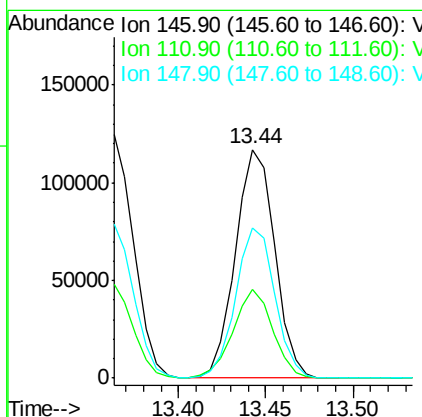
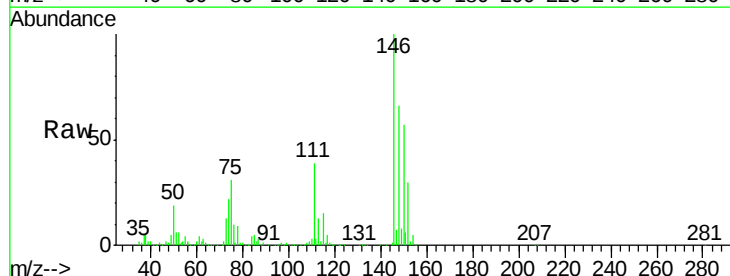
RT: 13.44 min Scan# 1920

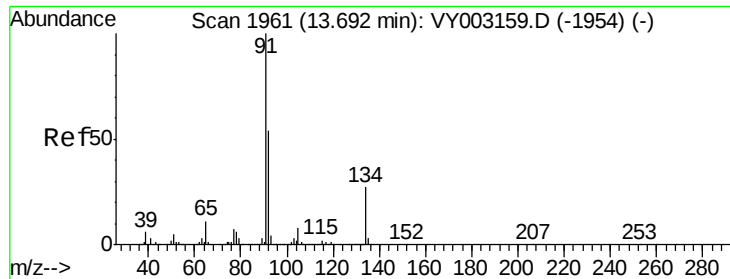
Delta R.T. 0.00 min

Lab File: VY003205.D

Acq: 16 Jul 2020 13:00

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.0	18.4	55.0
148	65.7	32.0	96.0





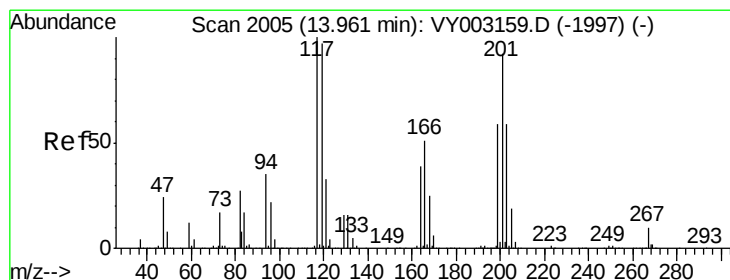
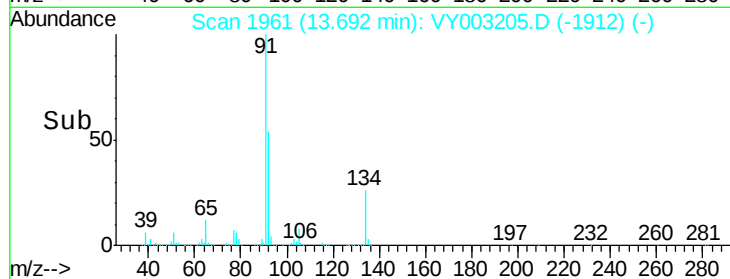
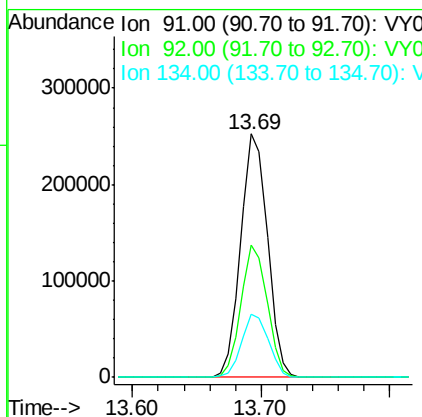
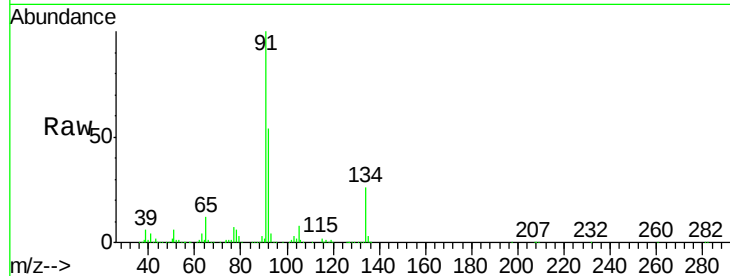
#89
n-Butylbenzene
Concen: 21.032 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. 0.00 min
Lab File: VY003205.D
Acq: 16 Jul 2020 13:00

Instrument :
MSVOA_Y
ClientSampleId :
VY0716SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	91	100	363617		
92	92	53.4	26.9	80.7	
134	134	26.2	13.6	40.7	

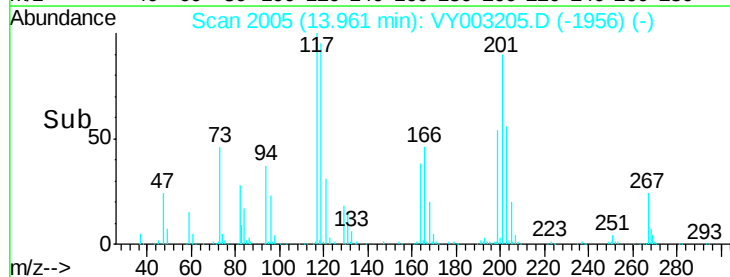
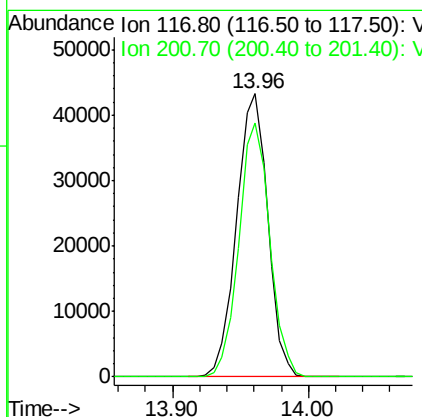
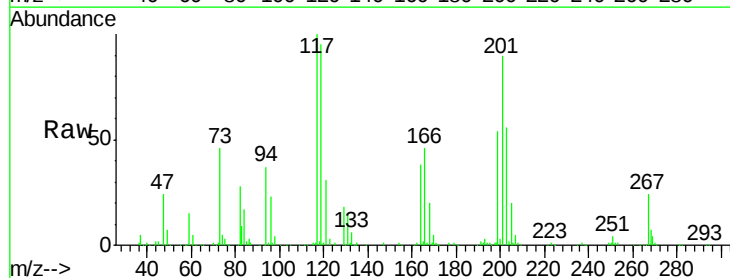
Manual Integrations
APPROVED

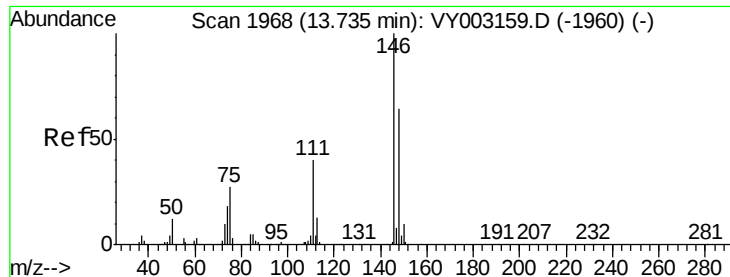
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#90
Hexachloroethane
Concen: 20.731 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. 0.00 min
Lab File: VY003205.D
Acq: 16 Jul 2020 13:00

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	117	100	69392		
201	201	88.7	45.1	135.3	





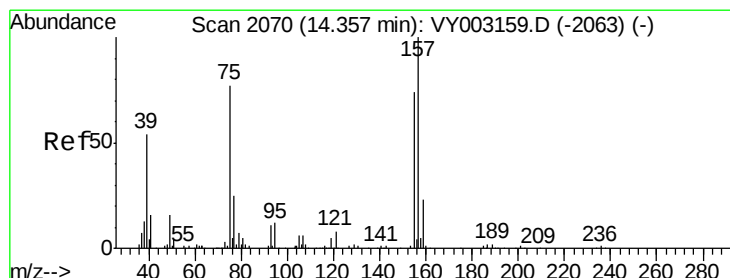
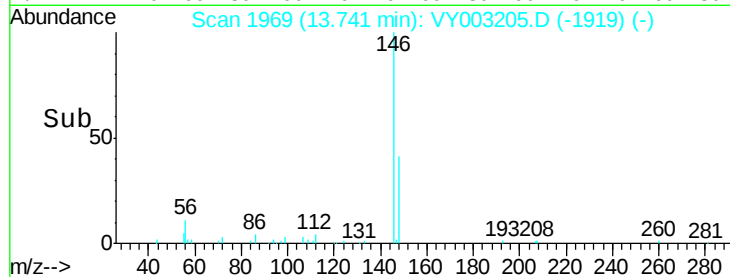
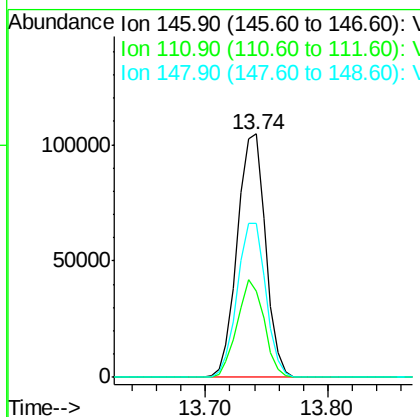
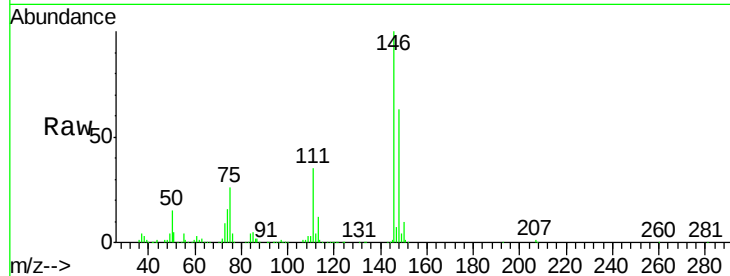
#91
 1,2-Dichlorobenzene
 Concen: 20.222 ug/l
 RT: 13.74 min Scan# 1969
 Delta R.T. 0.01 min
 Lab File: VY003205.D
 Acq: 16 Jul 2020 13:00

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0716SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.6	58.8
148	64.2	32.4	97.0

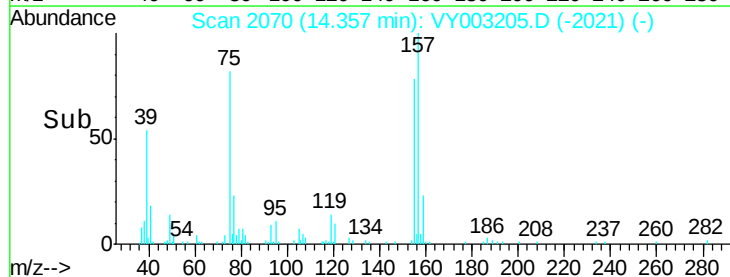
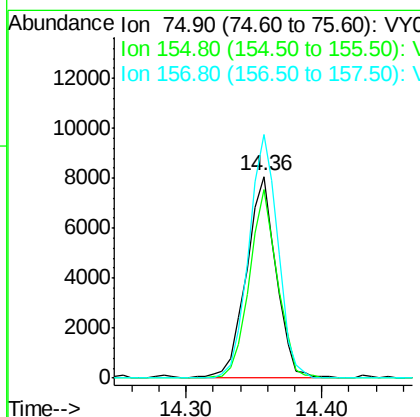
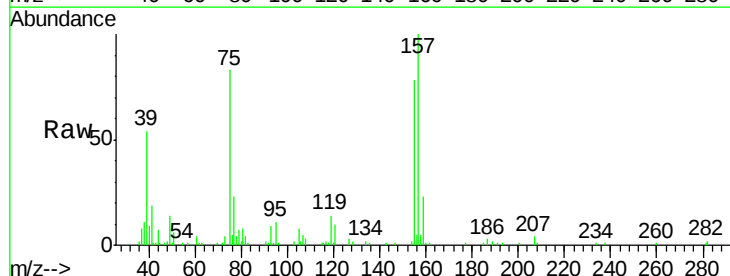
Manual Integrations
 APPROVED

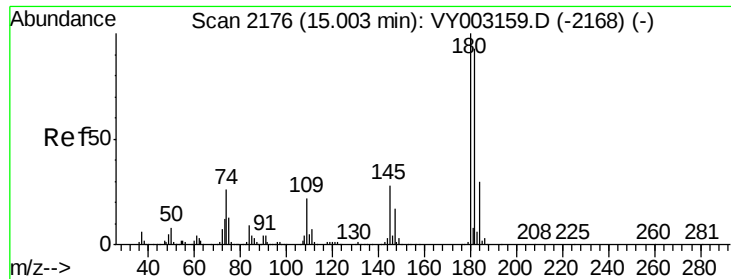
MMDadoda
 7/17/2020 4:43:08 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.398 ug/l
 RT: 14.36 min Scan# 2070
 Delta R.T. 0.00 min
 Lab File: VY003205.D
 Acq: 16 Jul 2020 13:00

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.8	48.1	144.3
157	117.4	61.9	185.6





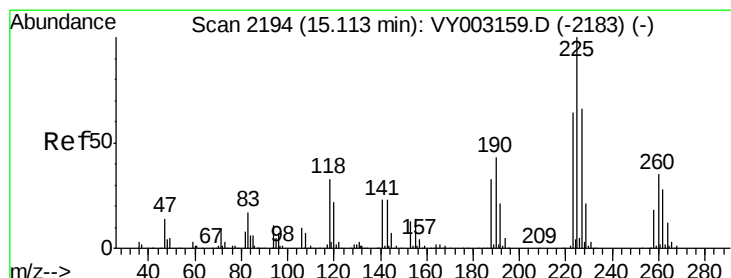
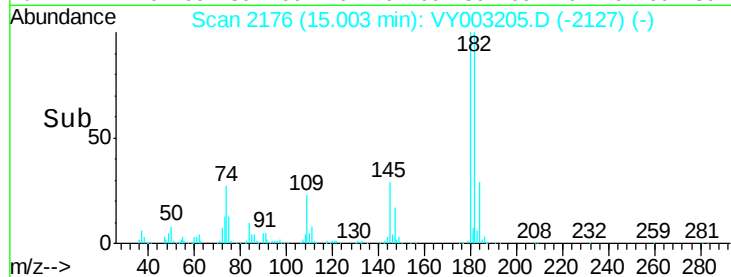
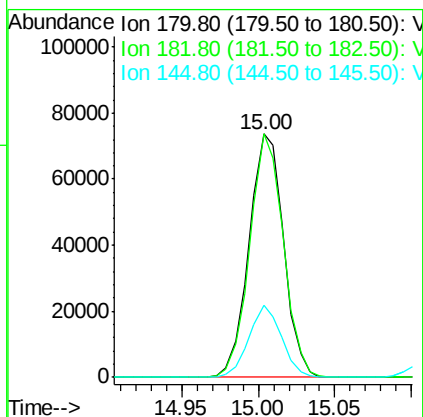
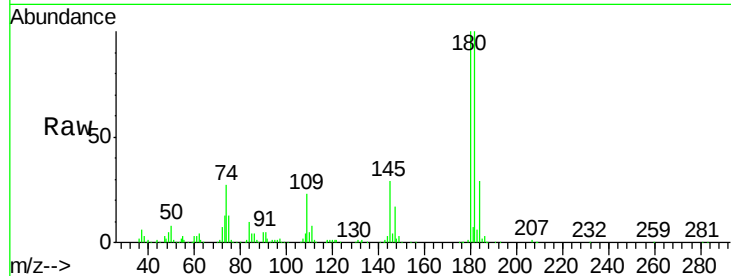
#93
 1,2,4-Trichlorobenzene
 Concen: 19.731 ug/l
 RT: 15.00 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VY003205.D
 Acq: 16 Jul 2020 13:00

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0716SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	115642		
182	96.9	47.3	142.0	
145	28.0	13.7	41.1	

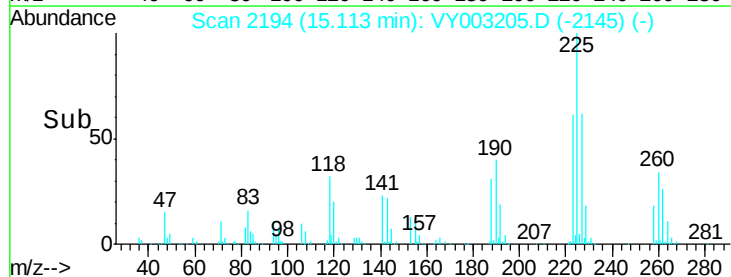
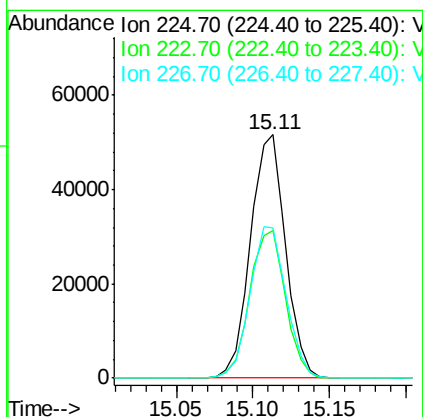
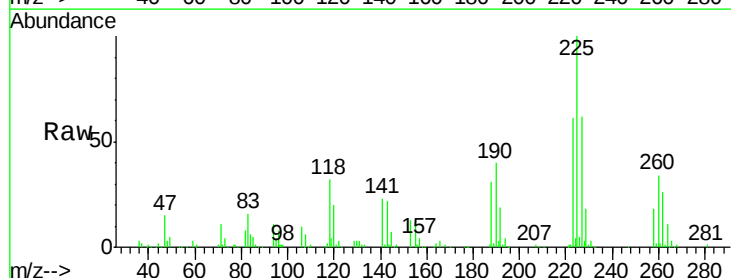
Manual Integrations
 APPROVED

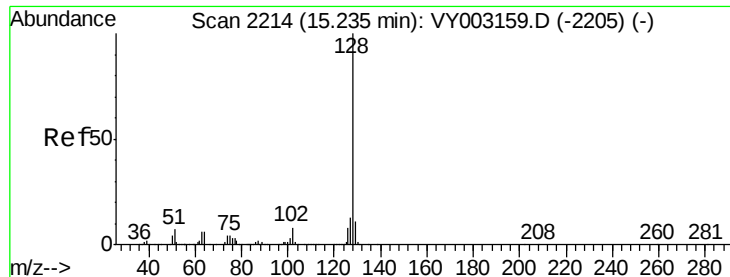
MMDadoda
 7/17/2020 4:43:08 PM



#94
 Hexachlorobutadiene
 Concen: 20.528 ug/l
 RT: 15.11 min Scan# 2194
 Delta R.T. 0.00 min
 Lab File: VY003205.D
 Acq: 16 Jul 2020 13:00

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	82442		
223	61.9	31.6	94.7	
227	63.9	32.3	96.8	





#95

Naphthalene

Concen: 18.926 ug/l

RT: 15.23 min Scan# 2214

Delta R.T. 0.00 min

Lab File: VY003205.D

Acq: 16 Jul 2020 13:00

Instrument :

MSVOA_Y

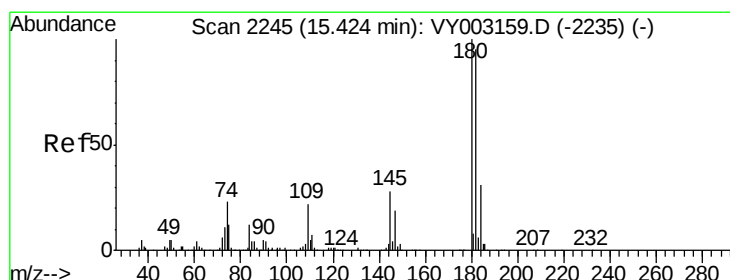
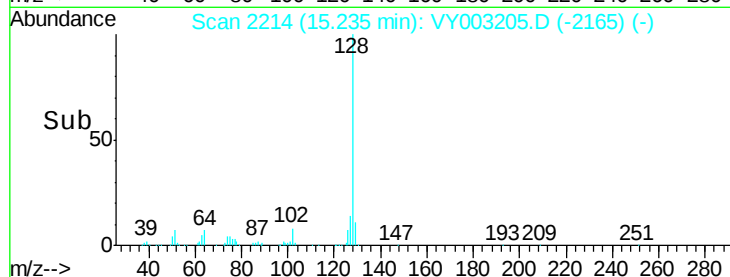
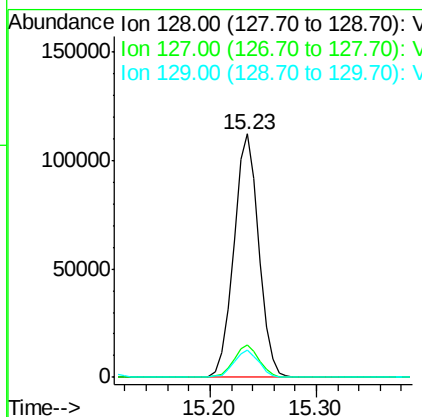
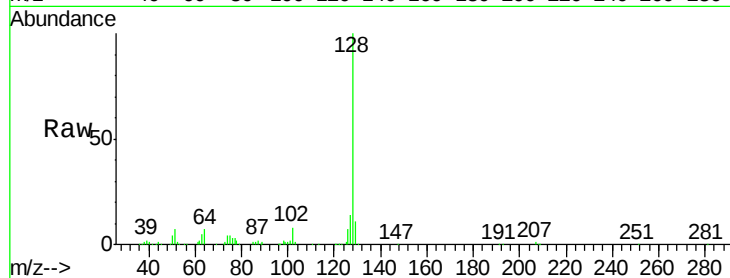
ClientSampleId :

VY0716SBS01

Tot Ion:	128	Resp:	183325
Ion Ratio	Lower	Upper	
128	100		
127	13.6	10.9	16.3
129	11.1	9.0	13.6

Manual Integrations
APPROVED

MMDadoda
7/17/2020 4:43:08 PM



#96

1,2,3-Trichlorobenzene

Concen: 18.831 ug/l

RT: 15.42 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VY003205.D

Acq: 16 Jul 2020 13:00

Tgt Ion:	180	Resp:	87243
Ion Ratio	Lower	Upper	
180	100		
182	96.9	48.8	146.3
145	30.0	14.9	44.5

