

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY072220\
 Data File : VY003280.D
 Acq On : 22 Jul 2020 11:58
 Operator : SY/MD
 Sample : VY0722SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0722SBS01

Manual Integrations
 APPROVED

MMDadoda
 7/23/2020 12:22:55 PM

Quant Time: Jul 23 05:55:28 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	433264	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	648212	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	604977	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	320112	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.14	65	187823	51.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.72%	
35) Dibromofluoromethane	7.72	113	175782	47.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.24%	
50) Toluene-d8	10.18	98	654156	47.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.34%	
62) 4-Bromofluorobenzene	12.48	95	234822	46.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	70350	22.655	ug/l	96
3) Chloromethane	2.12	50	93811	21.779	ug/l	99
4) Vinyl Chloride	2.26	62	96642	21.868	ug/l	99
5) Bromomethane	2.65	94	73954	22.529	ug/l	99
6) Chloroethane	2.79	64	62174	21.419	ug/l	100
7) Trichlorofluoromethane	3.13	101	140105	22.199	ug/l	97
8) Diethyl Ether	3.54	74	47199	22.317	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.90	101	83086	21.797	ug/l	95
10) Methyl Iodide	4.10	142	77223	18.647	ug/l	98
11) Tert butyl alcohol	4.96	59	48490	122.627	ug/l	98
12) 1,1-Dichloroethene	3.88	96	77483	21.491	ug/l	98
13) Acrolein	3.74	56	28578	83.264	ug/l	98
14) Allyl chloride	4.48	41	124739	23.317	ug/l	96
15) Acrylonitrile	5.17	53	117919	116.071	ug/l	98
16) Acetone	3.95	43	94414	115.584	ug/l	96
17) Carbon Disulfide	4.20	76	241439	21.824	ug/l	99
18) Methyl Acetate	4.49	43	55969	24.673	ug/l	98
19) Methyl tert-butyl Ether	5.23	73	220292	21.804	ug/l	95
20) Methylene Chloride	4.72	84	101674	21.620	ug/l	95
21) trans-1,2-Dichloroethene	5.22	96	86970	21.327	ug/l	94
22) Diisopropyl ether	6.13	45	278430	23.451	ug/l	96
23) Vinyl Acetate	6.07	43	906199	114.511	ug/l	98
24) 1,1-Dichloroethane	6.02	63	153850	22.366	ug/l	98
25) 2-Butanone	6.99	43	158646	118.288	ug/l	100
26) 2,2-Dichloropropane	6.99	77	133876	21.611	ug/l	99
27) cis-1,2-Dichloroethene	6.99	96	99146	22.083	ug/l	99
28) Bromochloromethane	7.34	49	69259	23.256	ug/l	97
29) Tetrahydrofuran	7.35	42	108005	119.875	ug/l	95
30) Chloroform	7.51	83	155320	21.924	ug/l	99
31) Cyclohexane	7.79	56	143657	21.598	ug/l	96
32) 1,1,1-Trichloroethane	7.71	97	137001	21.481	ug/l	99
36) 1,1-Dichloropropene	7.93	75	123512	21.024	ug/l	98
37) Ethyl Acetate	7.08	43	72601	22.947	ug/l	99
38) Carbon Tetrachloride	7.91	117	125424	20.680	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	145950	19.776	ug/l	99
40) Benzene	8.16	78	345545	21.361	ug/l	95
41) Methacrylonitrile	7.32	41	38033m	19.960	ug/l	
42) 1,2-Dichloroethane	8.24	62	104589	21.001	ug/l	100
43) Isopropyl Acetate	8.28	43	137134	22.393	ug/l	98
44) Trichloroethene	8.94	130	99060	19.976	ug/l	96
45) 1,2-Dichloropropane	9.22	63	91760	21.922	ug/l	98
46) Dibromomethane	9.31	93	49632	20.301	ug/l	98
47) Bromodichloromethane	9.50	83	127557	21.938	ug/l	97
48) Methyl methacrylate	9.30	41	62562	22.851	ug/l	92
49) 1,4-Dioxane	9.30	88	13763	443.569	ug/l	95
51) 4-Methyl-2-Pentanone	10.07	43	355433	111.663	ug/l	98
52) Toluene	10.24	92	220373	21.314	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	128393	21.313	ug/l	99
54) cis-1,3-Dichloropropene	9.93	75	145513	20.964	ug/l	97
55) 1,1,2-Trichloroethane	10.64	97	71861	20.743	ug/l	94
56) Ethyl methacrylate	10.51	69	100366	21.310	ug/l	97
57) 1,3-Dichloropropane	10.79	76	125443	21.356	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	280468	116.763	ug/l	98
59) 2-Hexanone	10.83	43	242003	108.911	ug/l	99
60) Dibromochloromethane	10.99	129	90133	20.686	ug/l	99
61) 1,2-Dibromoethane	11.09	107	69387	20.294	ug/l	100
64) Tetrachloroethene	10.72	164	97399	18.056	ug/l	97
65) Chlorobenzene	11.52	112	239977	20.591	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.59	131	92375	20.407	ug/l	99
67) Ethyl Benzene	11.59	91	421734	20.267	ug/l	98
68) m/p-Xylenes	11.70	106	321257	40.688	ug/l	100
69) o-Xylene	12.03	106	150937	20.463	ug/l	100
70) Styrene	12.04	104	259220	20.543	ug/l	99
71) Bromoform	12.20	173	60190	20.260	ug/l	# 98
73) Isopropylbenzene	12.33	105	410381	20.117	ug/l	100
74) N-amyl acetate	12.14	43	121664	21.255	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	83856	21.284	ug/l	100
76) 1,2,3-Trichloropropane	12.63	75	60212m	21.250	ug/l	
77) Bromobenzene	12.61	156	106396	20.461	ug/l	99
78) n-propylbenzene	12.67	91	494721	20.574	ug/l	100
79) 2-Chlorotoluene	12.75	91	275087	20.504	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	349177	20.537	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	30387	20.871	ug/l	95
82) 4-Chlorotoluene	12.85	91	290291	20.730	ug/l	100
83) tert-Butylbenzene	13.08	119	310942	20.727	ug/l	100
84) 1,2,4-Trimethylbenzene	13.12	105	351649	20.556	ug/l	98
85) sec-Butylbenzene	13.25	105	425703	20.646	ug/l	100
86) p-Isopropyltoluene	13.37	119	391492	20.334	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	204331	20.779	ug/l	98
88) 1,4-Dichlorobenzene	13.44	146	201566	20.704	ug/l	99
89) n-Butylbenzene	13.69	91	377906	20.868	ug/l	99
90) Hexachloroethane	13.96	117	72048	20.549	ug/l	96
91) 1,2-Dichlorobenzene	13.74	146	181116	20.988	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	13544	21.204	ug/l	99

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ClientSampleId :
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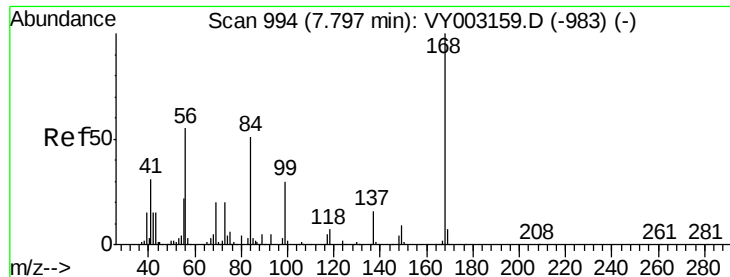
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	125884	20.506	ug/l	99
94) Hexachlorobutadiene	15.11	225	85974	20.438	ug/l	99
95) Naphthalene	15.23	128	212318	20.927	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	100335	20.675	ug/l	97

(#) = 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: VY003280.D

Acq: 22 Jul 2020 11:58

Instrument :

MSVOA_Y

ClientSampleId :

VY0722SBS01

Tot Ion:168 Resp: 433264

Ion Ratio Lower Upper

168 100

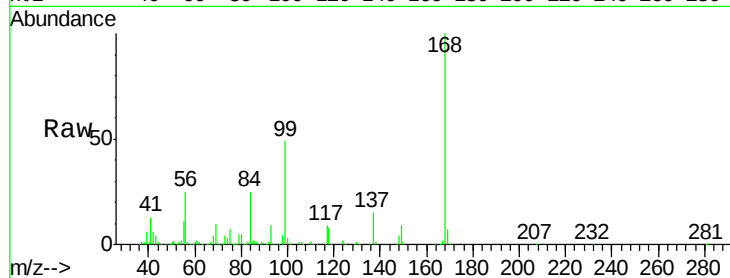
99 48.7 37.3 55.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VY003280.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY003280.D (-945) (-)

7.80

200000

150000

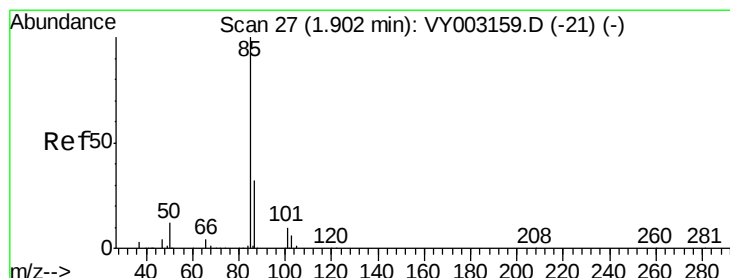
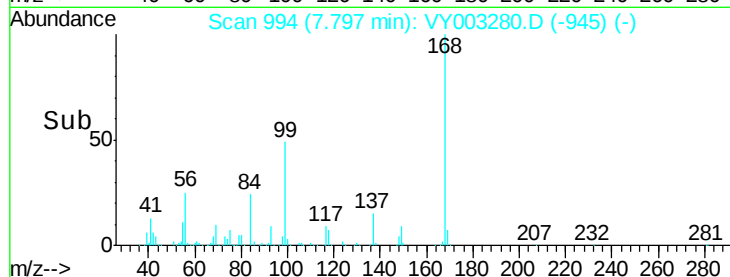
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50000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 22.655 ug/l

RT: 1.91 min Scan# 28

Delta R.T. 0.01 min

Lab File: VY003280.D

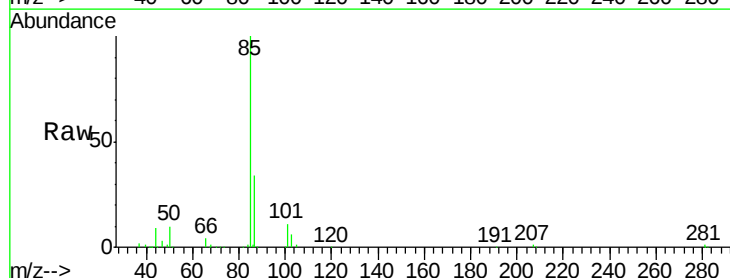
Acq: 22 Jul 2020 11:58

Tgt Ion: 85 Resp: 70350

Ion Ratio Lower Upper

85 100

87 34.2 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VY003280.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VY003280.D (-1) (-)

1.91

50000

40000

30000

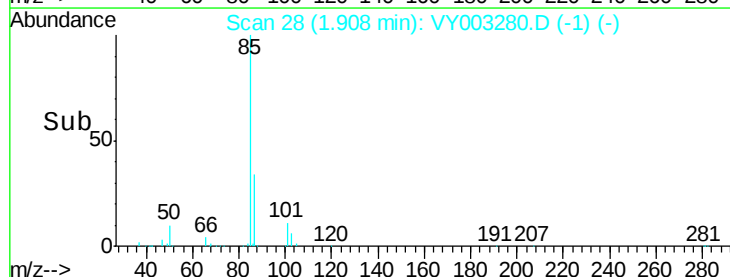
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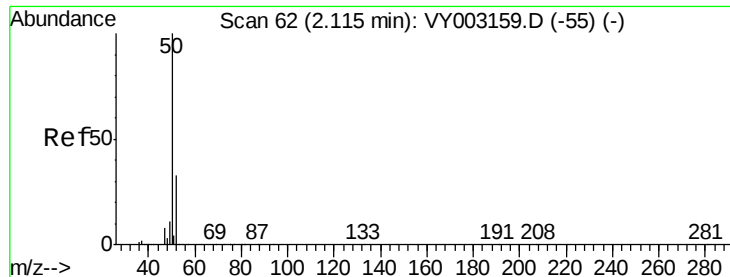
10000

0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 21.779 ug/l

RT: 2.12 min Scan# 62

Delta R.T. 0.00 min

Lab File: VY003280.D

Acq: 22 Jul 2020 11:58

Instrument :

MSVOA_Y

ClientSampleId :

VY0722SBS01

Tot Ion: 50 Resp: 93811

Ion Ratio Lower Upper

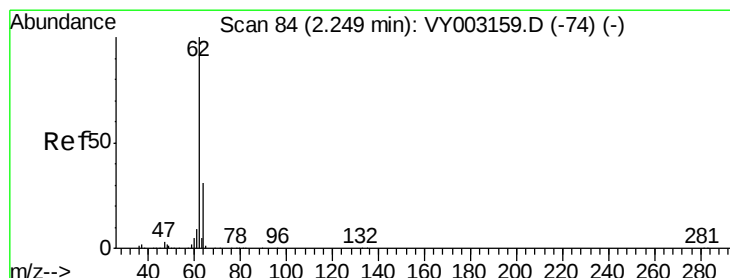
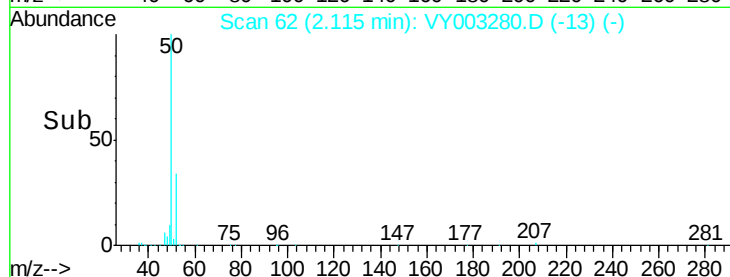
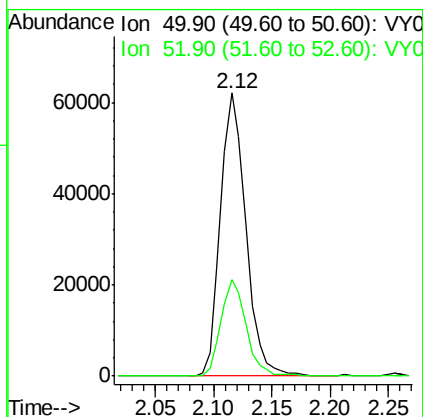
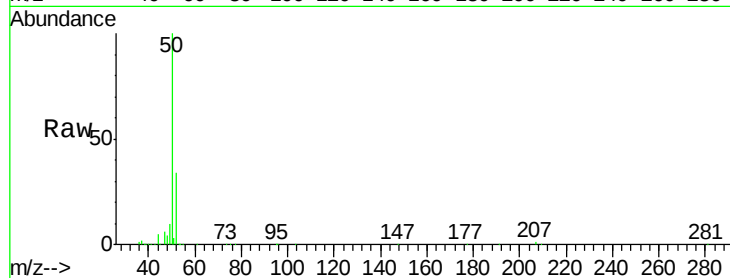
50 100

52 34.0 26.6 39.8

Manual Integrations
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#4

Vinyl Chloride

Concen: 21.868 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.01 min

Lab File: VY003280.D

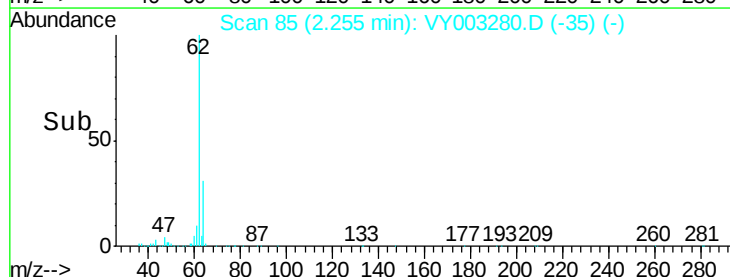
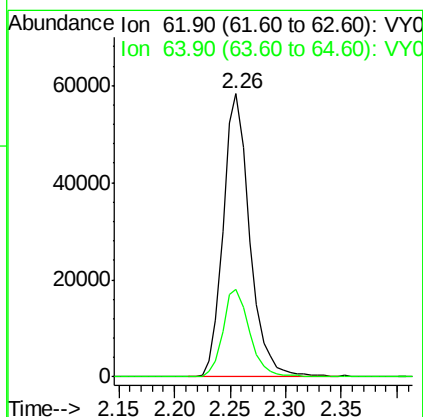
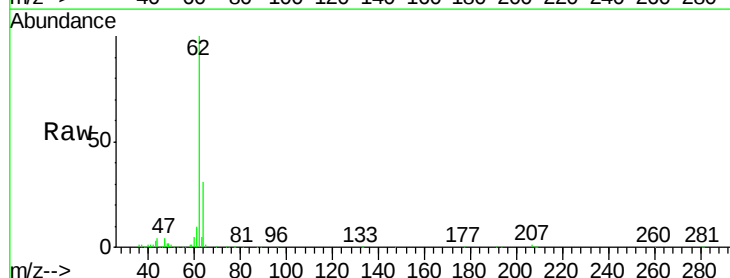
Acq: 22 Jul 2020 11:58

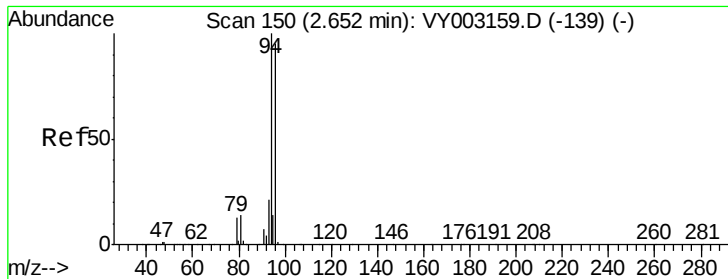
Tgt Ion: 62 Resp: 96642

Ion Ratio Lower Upper

62 100

64 31.1 24.6 37.0





#5

Bromomethane

Concen: 22.529 ug/l

RT: 2.65 min Scan# 149

Delta R.T. -0.01 min

Lab File: VY003280.D

Acq: 22 Jul 2020 11:58

Instrument :

MSVOA_Y

ClientSampleId :

VY0722SBS01

Tot Ion: 94 Resp: 73954

Ion Ratio Lower Upper

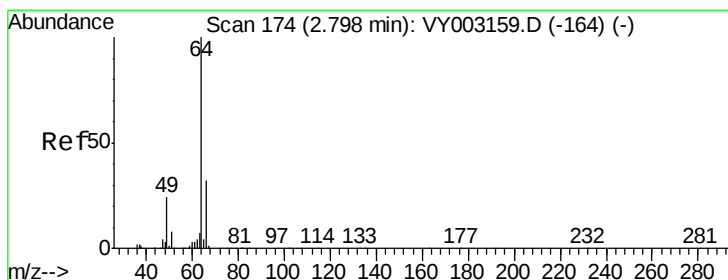
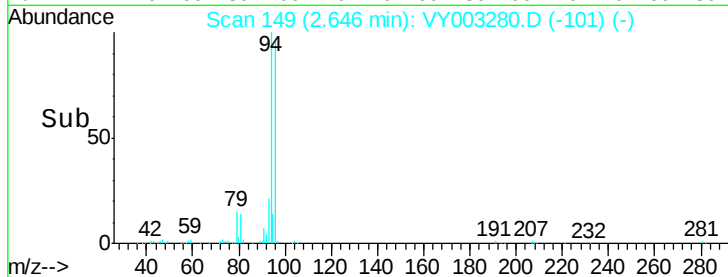
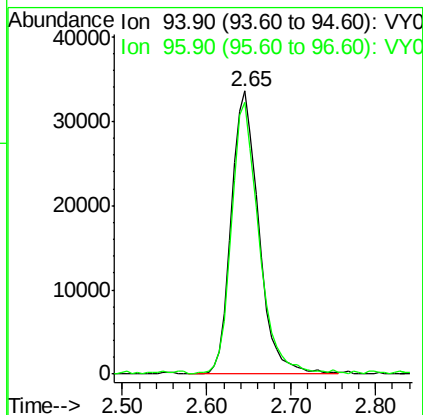
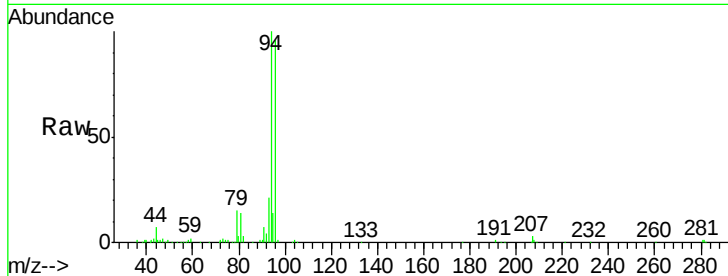
94 100

96 95.9 76.0 114.0

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#6

Chloroethane

Concen: 21.419 ug/l

RT: 2.79 min Scan# 173

Delta R.T. -0.01 min

Lab File: VY003280.D

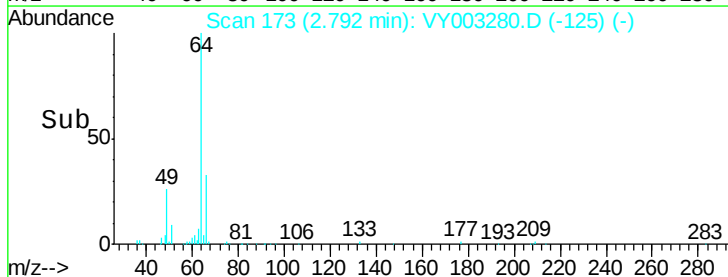
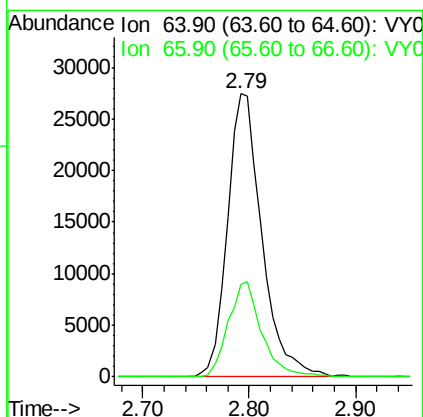
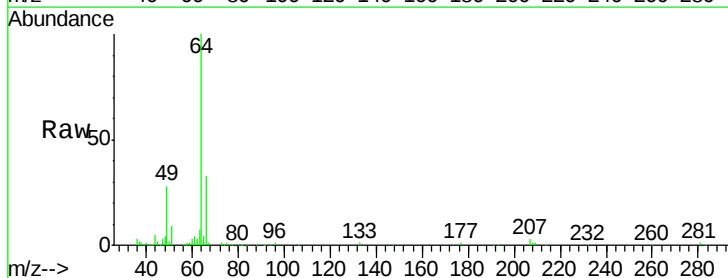
Acq: 22 Jul 2020 11:58

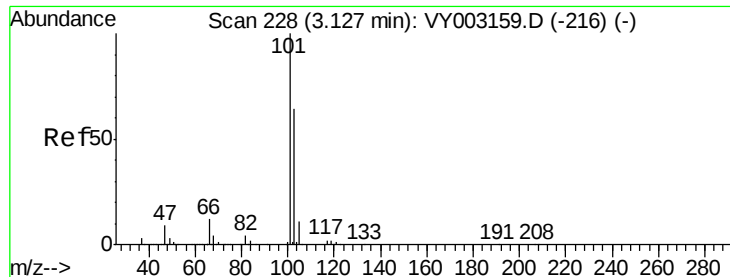
Tgt Ion: 64 Resp: 62174

Ion Ratio Lower Upper

64 100

66 32.5 26.0 39.0





#7

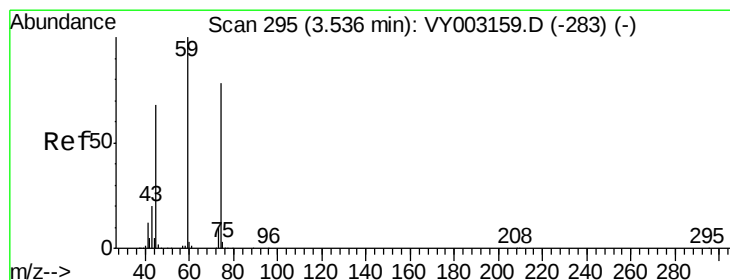
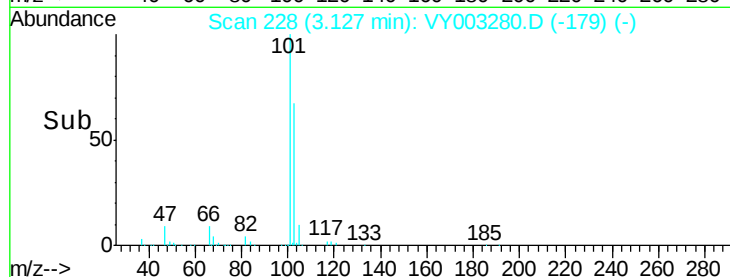
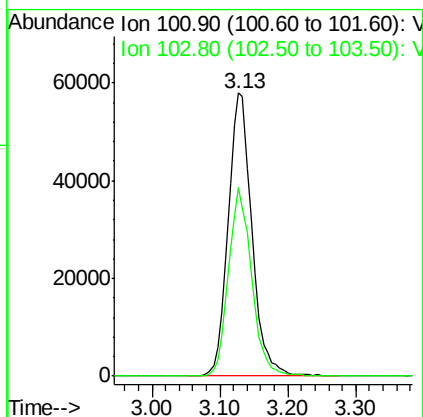
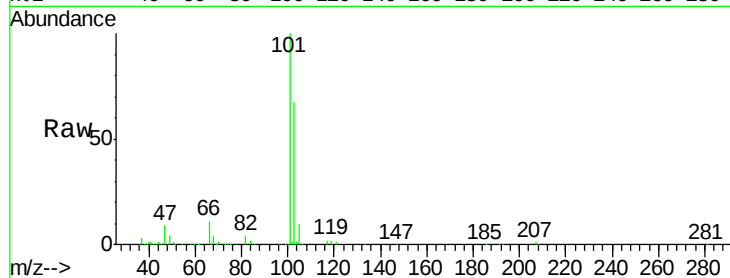
Trichlorofluoromethane
Concen: 22.199 ug/l
RT: 3.13 min Scan# 228
Delta R.T. 0.00 min
Lab File: VY003280.D
Acq: 22 Jul 2020 11:58

Instrument :
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ClientSampleId :
VY0722SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.5	51.3	76.9

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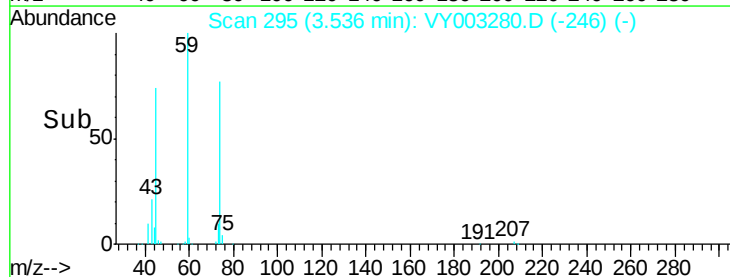
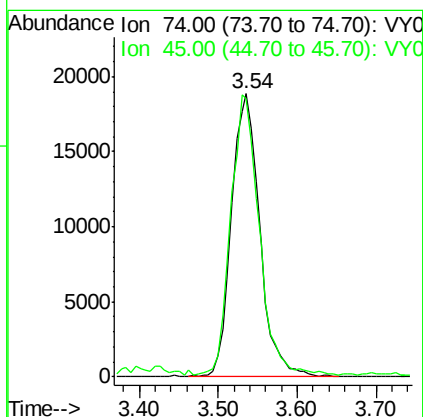
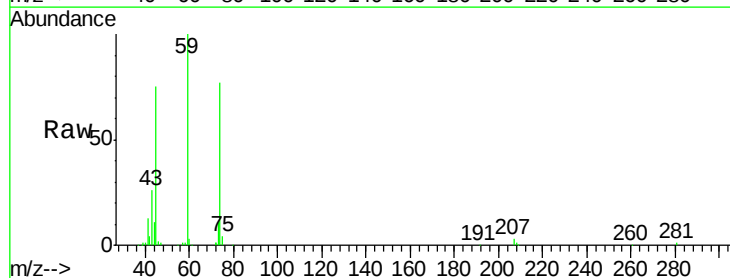
MMDadoda
7/23/2020 12:22:55 PM

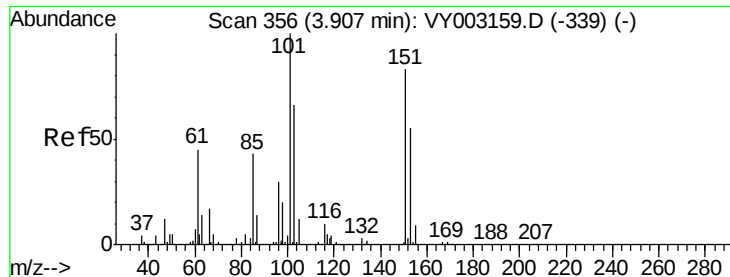


#8

Diethyl Ether
Concen: 22.317 ug/l
RT: 3.54 min Scan# 295
Delta R.T. 0.00 min
Lab File: VY003280.D
Acq: 22 Jul 2020 11:58

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.5	45.3	135.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.797 ug/l

RT: 3.90 min Scan# 355

Delta R.T. -0.01 min

Lab File: VY003280.D

Acq: 22 Jul 2020 11:58

Instrument :

MSVOA_Y

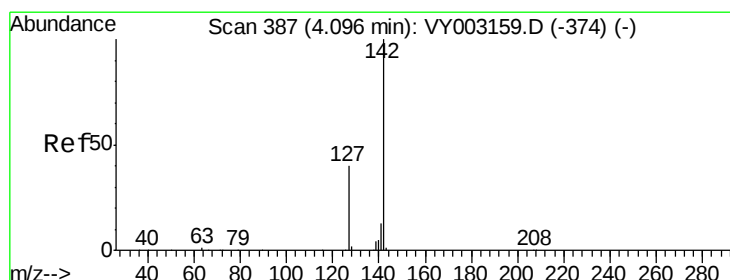
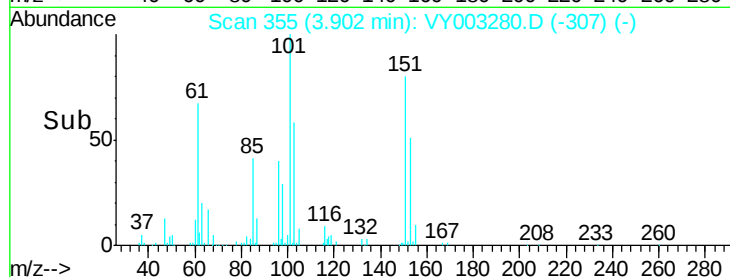
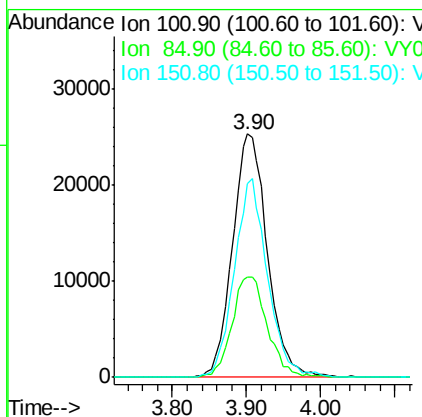
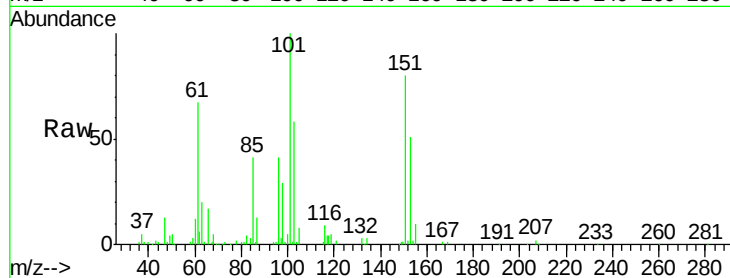
ClientSampleId :

VY0722SBS01

Tot Ion:	101	Resp:	83086
Ion Ratio	Lower	Upper	
101	100		
85	41.9	34.9	52.3
151	78.2	67.0	100.6

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#10

Methyl Iodide

Concen: 18.647 ug/l

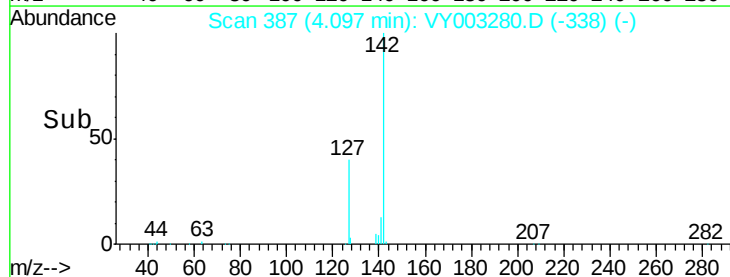
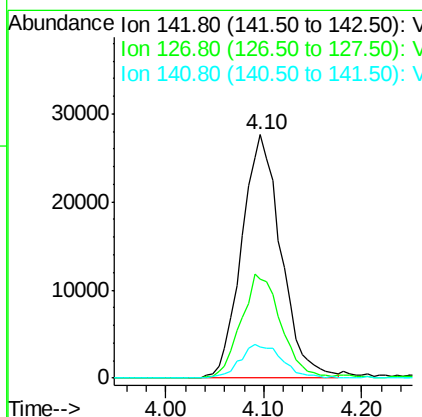
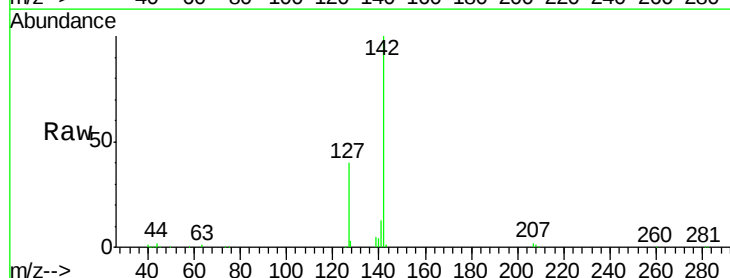
RT: 4.10 min Scan# 387

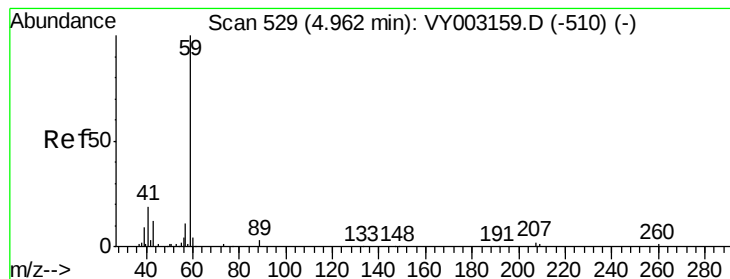
Delta R.T. 0.00 min

Lab File: VY003280.D

Acq: 22 Jul 2020 11:58

Tgt Ion:	142	Resp:	77223
Ion Ratio	Lower	Upper	
142	100		
127	43.2	33.5	50.3
141	14.9	11.2	16.8





#11

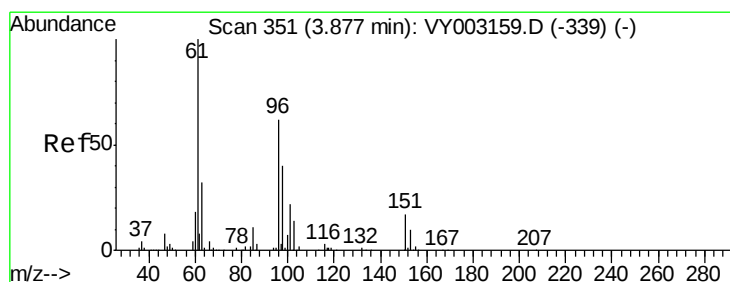
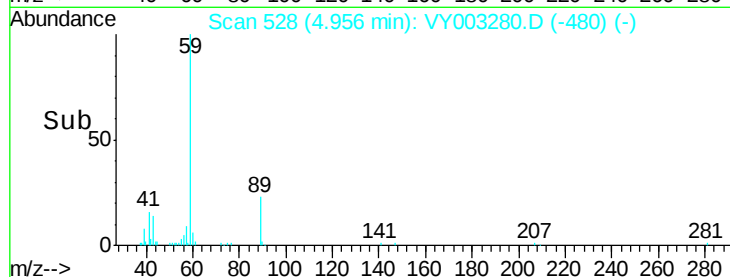
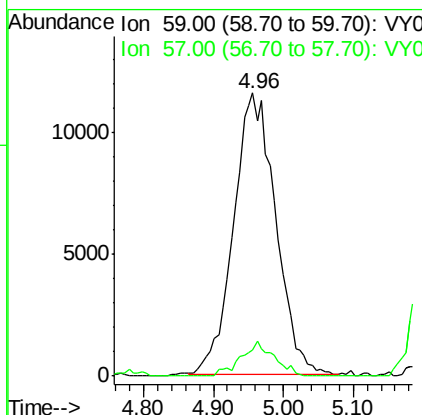
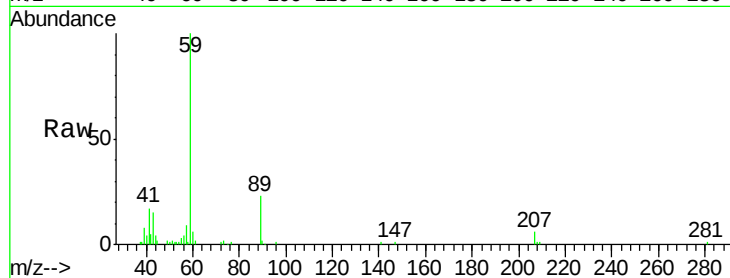
Tert butyl alcohol
Concen: 122.627 ug/l
RT: 4.96 min Scan# 528
Delta R.T. -0.01 min
Lab File: VY003280.D
Acq: 22 Jul 2020 11:58

Instrument :
MSVOA_Y
ClientSampleId :
VY0722SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.6	8.4	12.6

Manual Integrations
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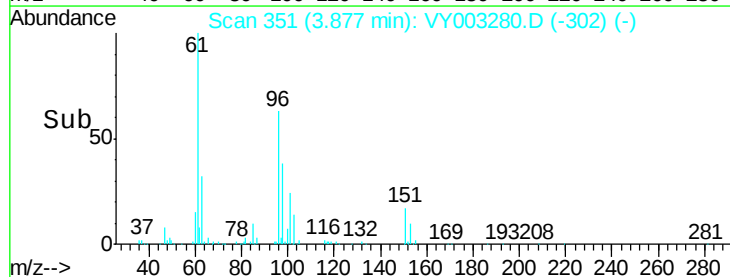
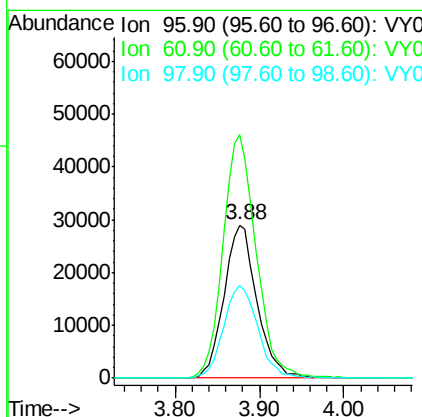
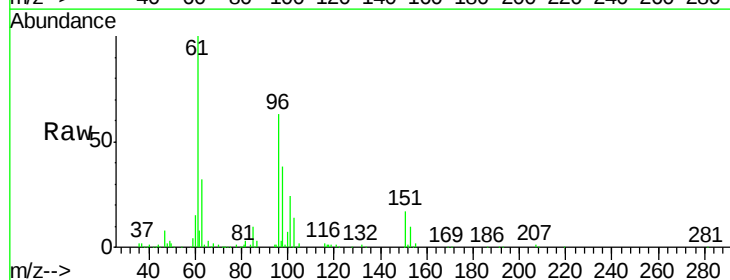
MMDadoda
7/23/2020 12:22:55 PM

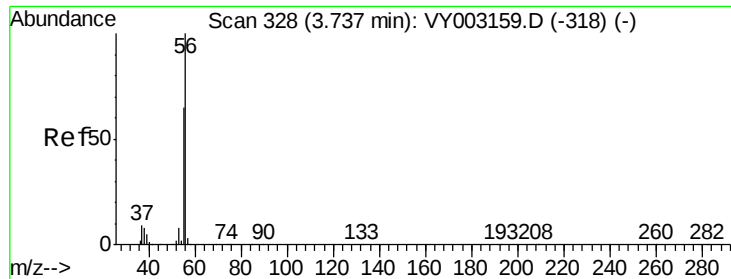


#12

1,1-Dichloroethene
Concen: 21.491 ug/l
RT: 3.88 min Scan# 351
Delta R.T. 0.00 min
Lab File: VY003280.D
Acq: 22 Jul 2020 11:58

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.8	128.6	193.0
98	60.9	51.6	77.4





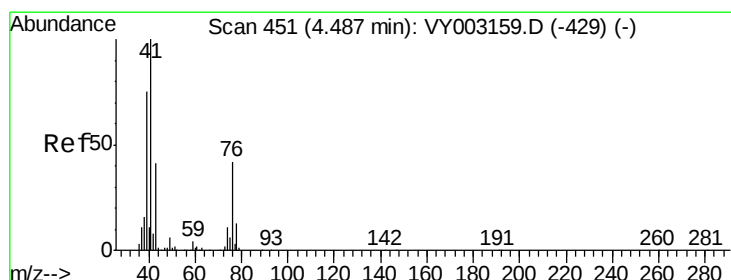
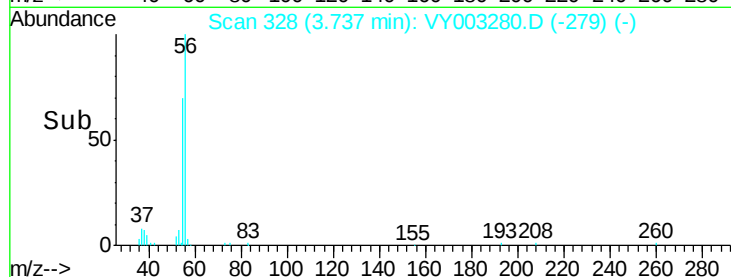
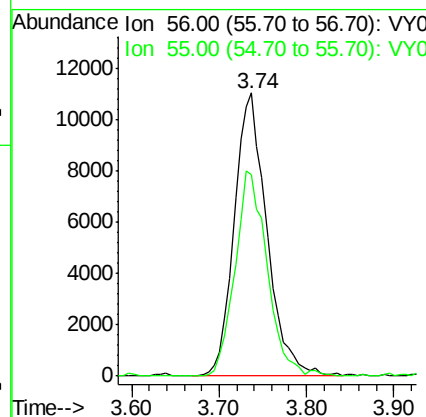
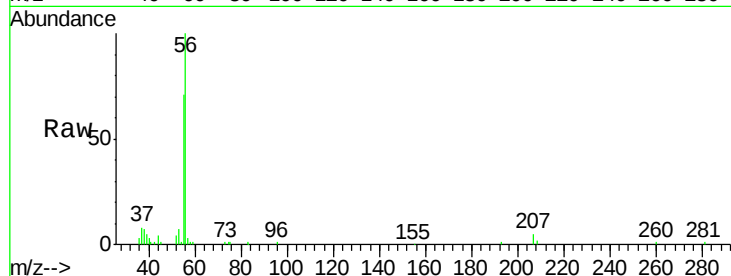
#13
Acrolein
Concen: 83.264 ug/l
RT: 3.74 min Scan# 328
Delta R.T. 0.00 min
Lab File: VY003280.D
Acq: 22 Jul 2020 11:58

Instrument :
MSVOA_Y
ClientSampleId :
VY0722SBS01

Tot Ion	56	55	Ratio	100	71.5	Resp	28578	Lower	56.0	Upper	84.0
Ion											

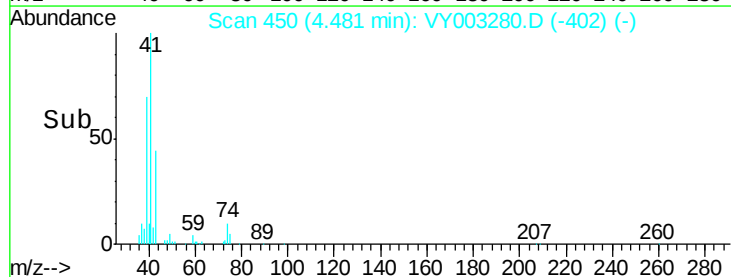
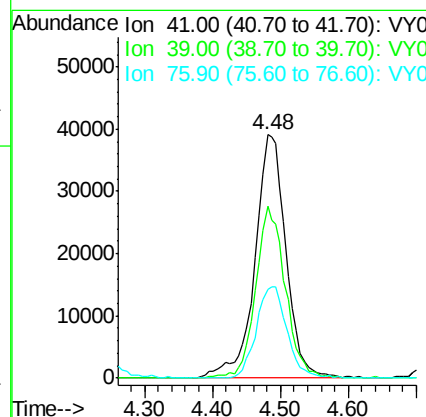
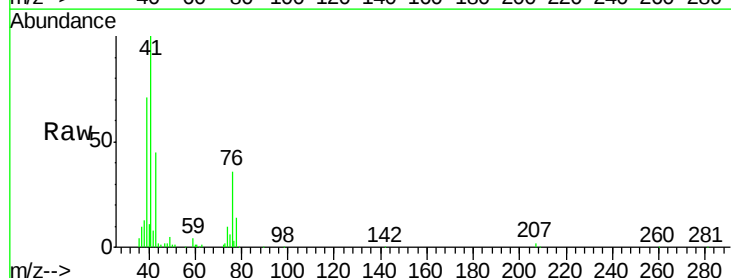
Manual Integrations
APPROVED

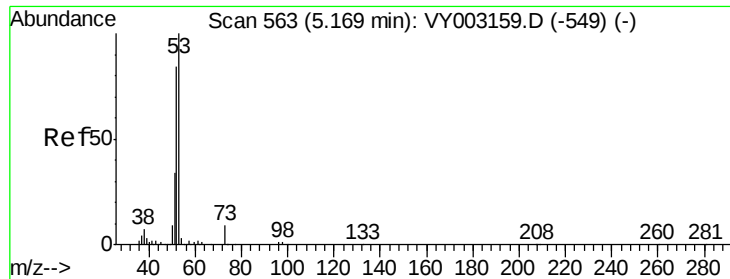
MMDadoda
7/23/2020 12:22:55 PM



#14
Allyl chloride
Concen: 23.317 ug/l
RT: 4.48 min Scan# 450
Delta R.T. -0.01 min
Lab File: VY003280.D
Acq: 22 Jul 2020 11:58

Tgt Ion	41	39	76	Ratio	100	67.4	37.2	Resp	124739	Lower	56.6	31.6	Upper	85.0	47.4
Ion															





#15

Acrylonitrile

Concen: 116.071 ug/l

RT: 5.17 min Scan# 563

Delta R.T. 0.00 min

Lab File: VY003280.D

Acq: 22 Jul 2020 11:58

Instrument :

MSVOA_Y

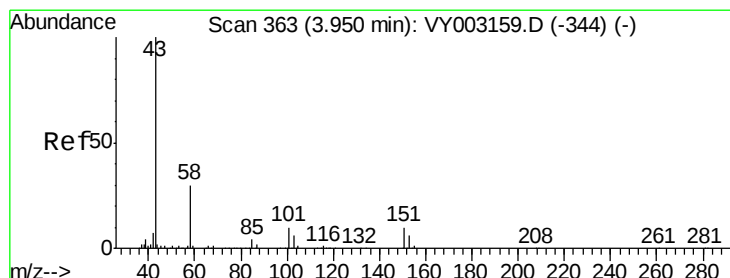
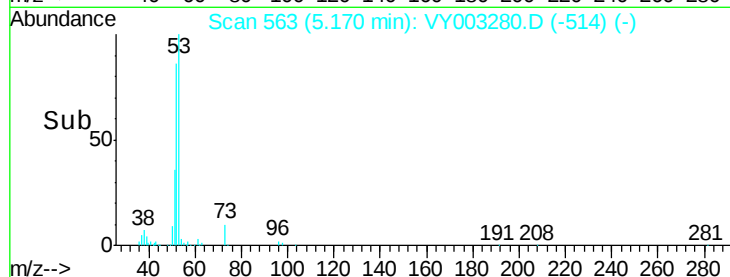
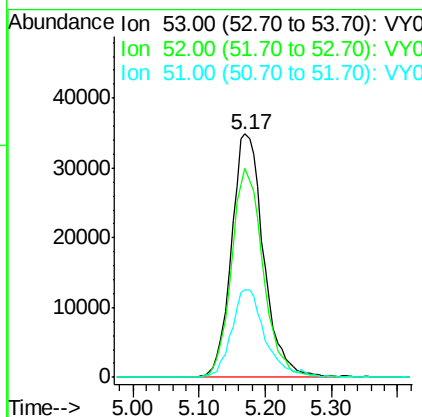
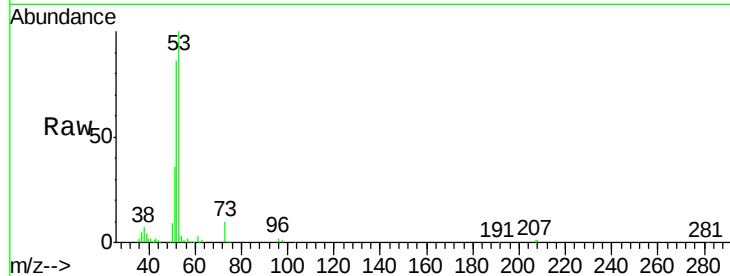
ClientSampleId :

VY0722SBS01

Tot Ion:	53	Resp:	117919
Ion Ratio	Lower	Upper	
53	100		
52	83.9	65.8	98.6
51	37.2	29.0	43.4

Manual Integrations
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#16

Acetone

Concen: 115.584 ug/l

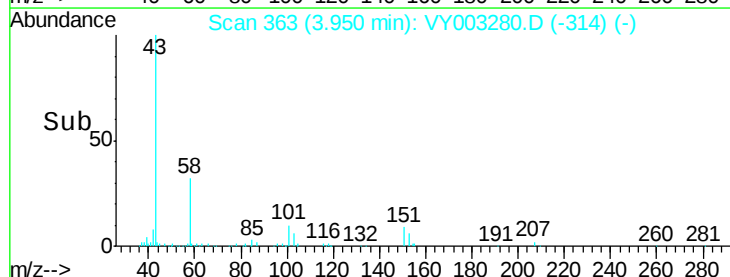
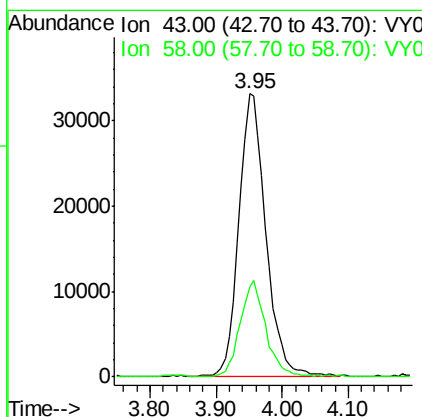
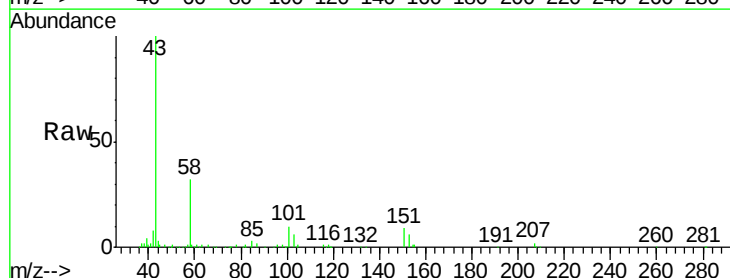
RT: 3.95 min Scan# 363

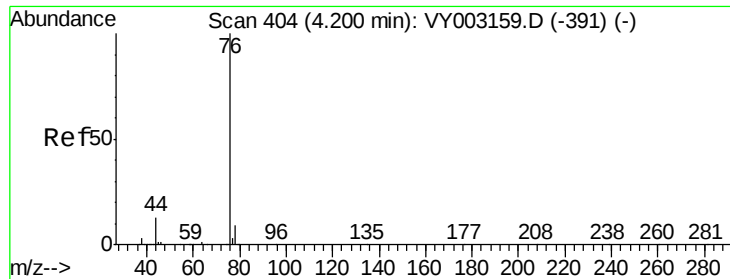
Delta R.T. 0.00 min

Lab File: VY003280.D

Acq: 22 Jul 2020 11:58

Tgt Ion:	43	Resp:	94414
Ion Ratio	Lower	Upper	
43	100		
58	31.9	23.8	35.6





#17

Carbon Disulfide

Concen: 21.824 ug/l

RT: 4.20 min Scan# 404

Delta R.T. 0.00 min

Lab File: VY003280.D

Acq: 22 Jul 2020 11:58

Instrument :

MSVOA_Y

ClientSampleId :

VY0722SBS01

Tot Ion: 76 Resp: 241439

Ion Ratio Lower Upper

76 100

78 9.6

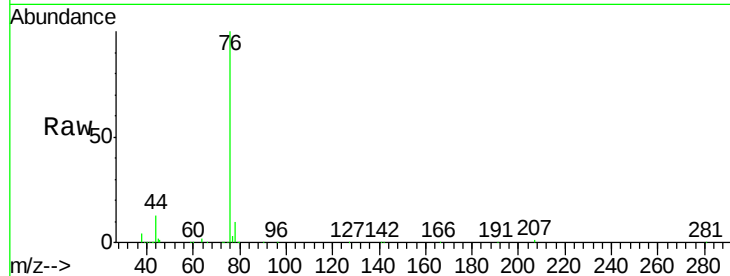
7.3

10.9

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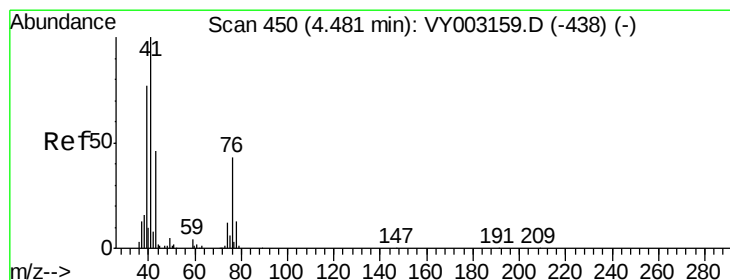
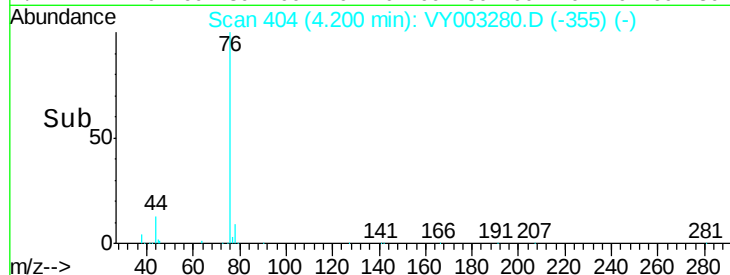
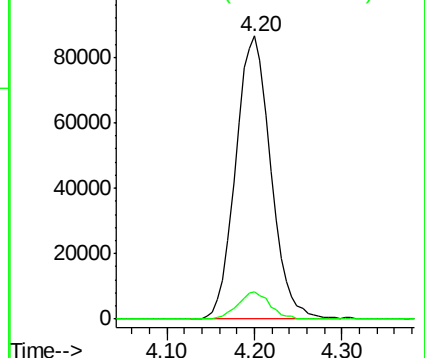
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Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#18

Methyl Acetate

Concen: 24.673 ug/l

RT: 4.49 min Scan# 451

Delta R.T. 0.01 min

Lab File: VY003280.D

Acq: 22 Jul 2020 11:58

Tgt Ion: 43 Resp: 55969

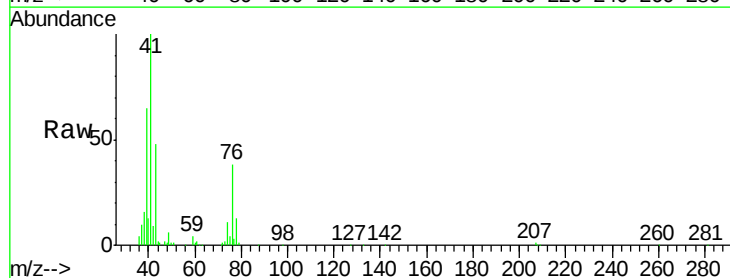
Ion Ratio Lower Upper

43 100

74 24.8

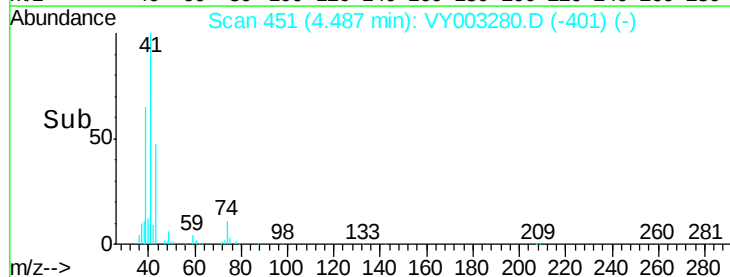
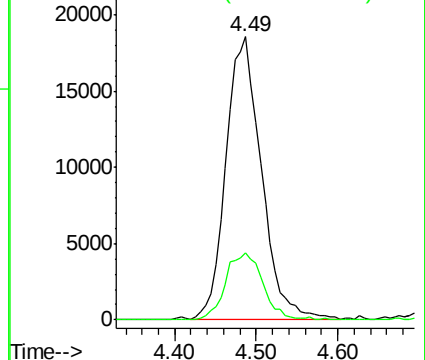
20.8

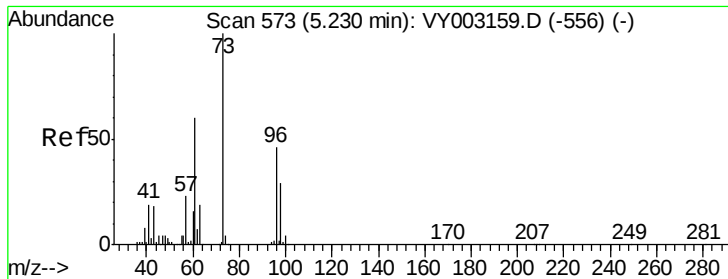
31.2



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0





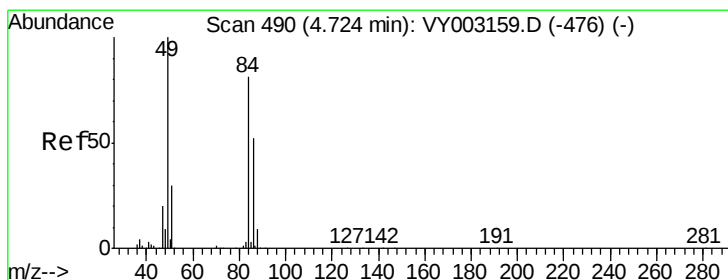
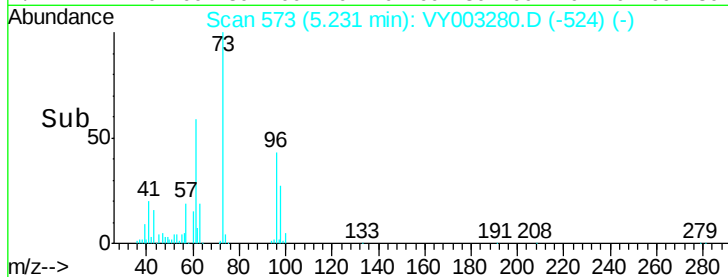
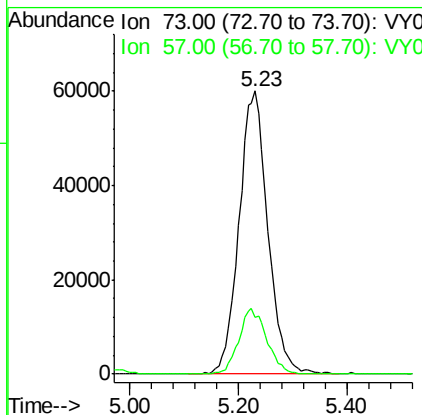
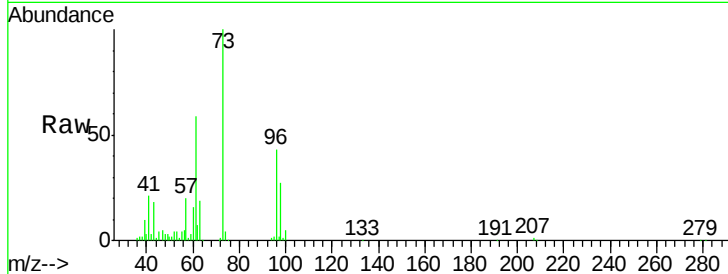
#19
Methvl tert-butvl Ether
Concen: 21.804 ug/l
RT: 5.23 min Scan# 573
Delta R.T. 0.00 min
Lab File: VY003280.D
Acq: 22 Jul 2020 11:58

Instrument :
MSVOA_Y
ClientSampleId :
VY0722SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.2	18.1	27.1

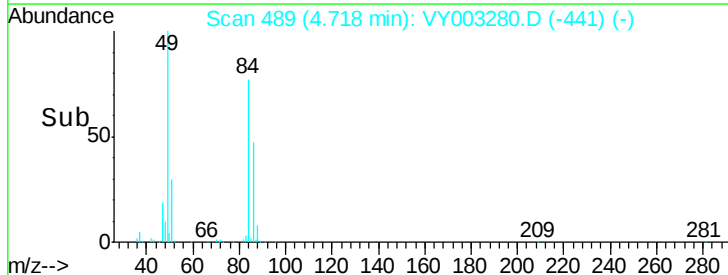
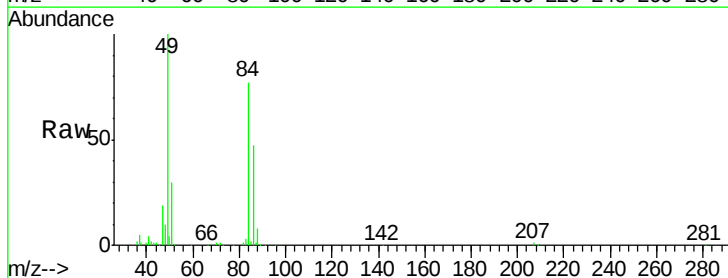
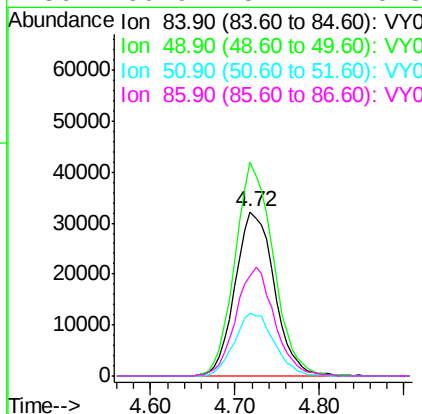
Manual Integrations
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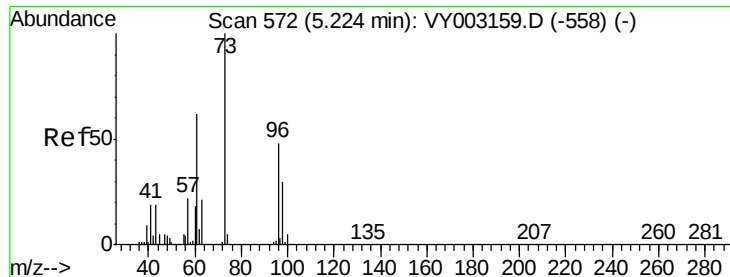
MMDadoda
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#20
Methylene Chloride
Concen: 21.620 ug/l
RT: 4.72 min Scan# 489
Delta R.T. -0.01 min
Lab File: VY003280.D
Acq: 22 Jul 2020 11:58

Tgt Ion	Ratio	Lower	Upper
84	100		
49	130.1	98.2	147.4
51	38.5	29.8	44.6
86	60.9	51.2	76.8





#21

trans-1,2-Dichloroethene

Concen: 21.327 ug/l

RT: 5.22 min Scan# 572

Delta R.T. 0.00 min

Lab File: VY003280.D

Acq: 22 Jul 2020 11:58

Instrument :

MSVOA_Y

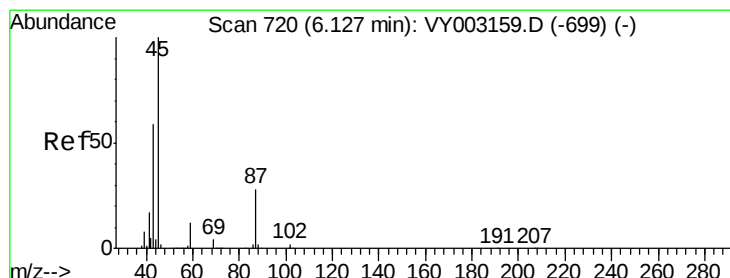
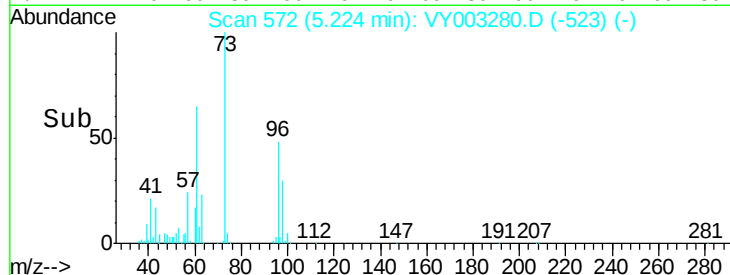
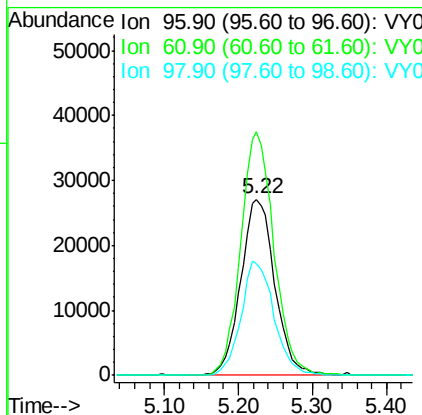
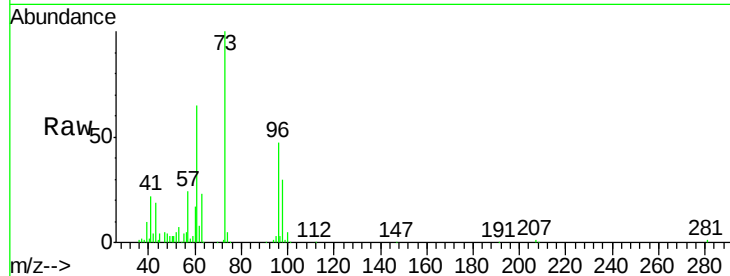
ClientSampleId :

VY0722SBS01

Tot Ion:	96	Resp:	86970
Ion	Ratio	Lower	Upper
96	100		
61	137.9	102.5	153.7
98	63.6	49.8	74.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 23.451 ug/l

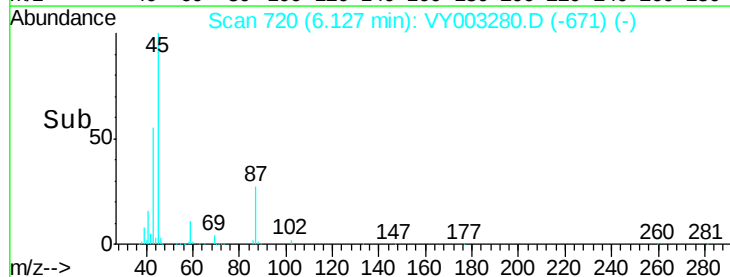
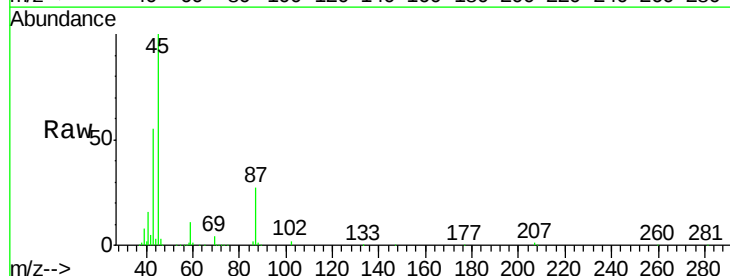
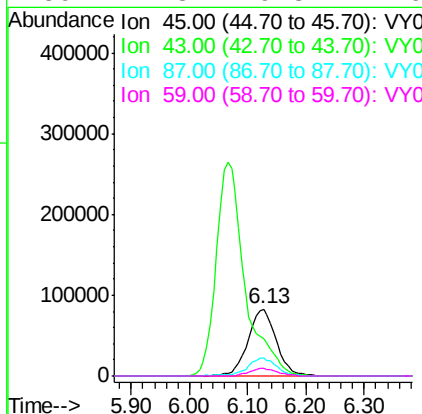
RT: 6.13 min Scan# 720

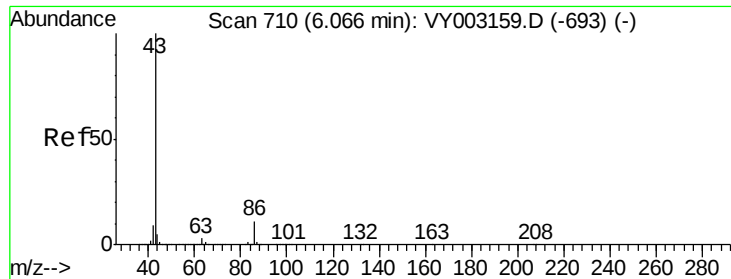
Delta R.T. 0.00 min

Lab File: VY003280.D

Acq: 22 Jul 2020 11:58

Tgt Ion:	45	Resp:	278430
Ion	Ratio	Lower	Upper
45	100		
43	54.7	47.0	70.4
87	26.6	22.6	33.8
59	11.3	9.8	14.6





#23

Vinyl Acetate

Concen: 114.511 ug/l

RT: 6.07 min Scan# 710

Delta R.T. 0.00 min

Lab File: VY003280.D

Acq: 22 Jul 2020 11:58

Instrument :

MSVOA_Y

ClientSampleId :

VY0722SBS01

Tot Ion: 43 Resp: 906199

Ion Ratio Lower Upper

43 100

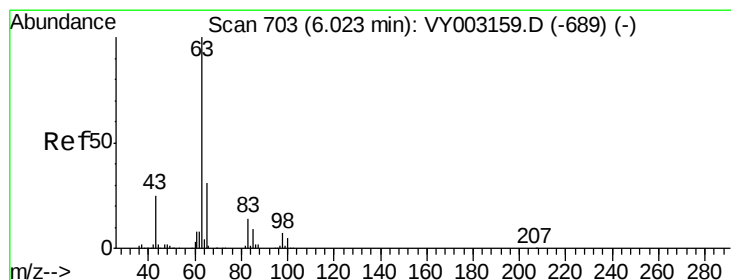
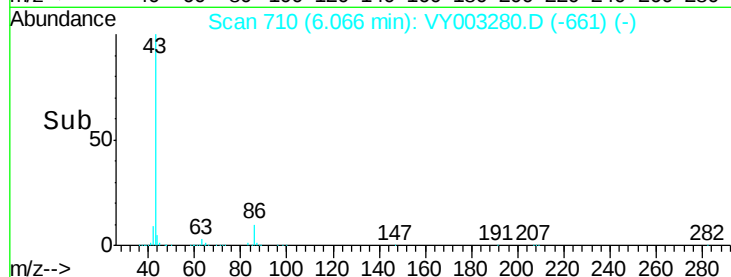
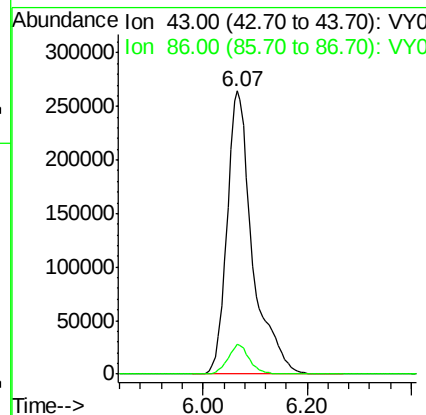
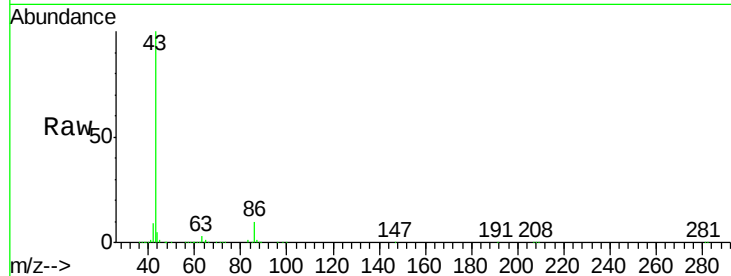
86 10.4 8.8 13.2

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 22.366 ug/l

RT: 6.02 min Scan# 703

Delta R.T. 0.00 min

Lab File: VY003280.D

Acq: 22 Jul 2020 11:58

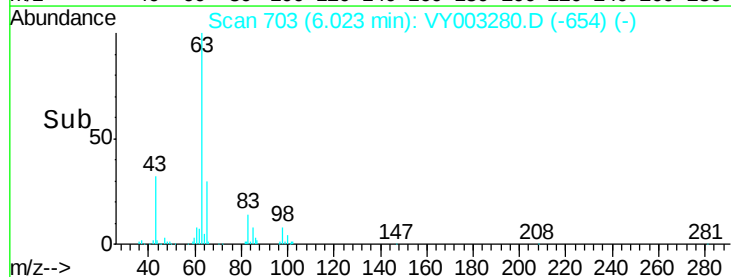
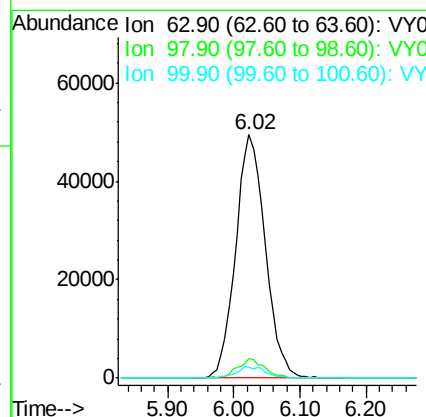
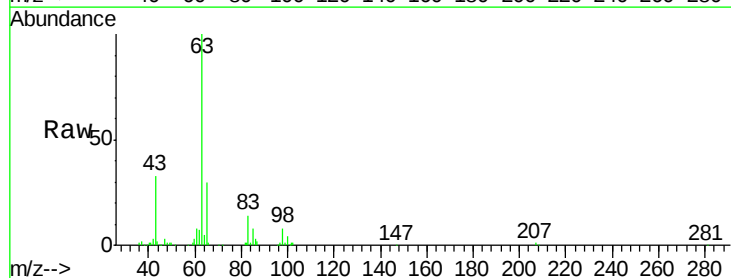
Tgt Ion: 63 Resp: 153850

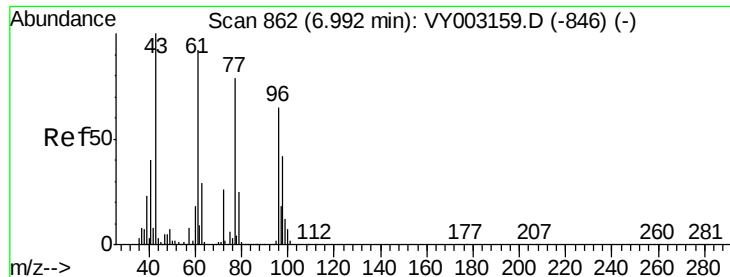
Ion Ratio Lower Upper

63 100

98 8.1 3.6 10.8

100 4.4 2.4 7.2





#25

2-Butanone

Concen: 118.288 ug/l

RT: 6.99 min Scan# 862

Delta R.T. 0.00 min

Lab File: VY003280.D

Acq: 22 Jul 2020 11:58

Instrument :

MSVOA_Y

ClientSampleId :

VY0722SBS01

Tot Ion: 43 Resp: 158646

Ion Ratio Lower Upper

43 100

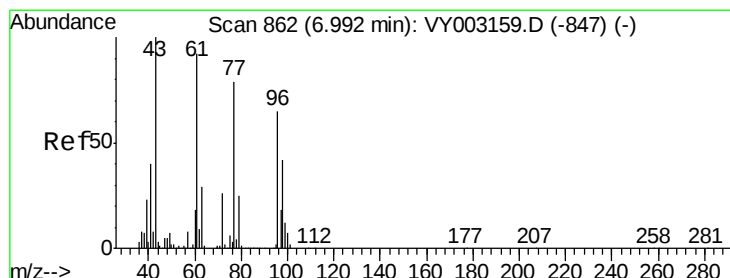
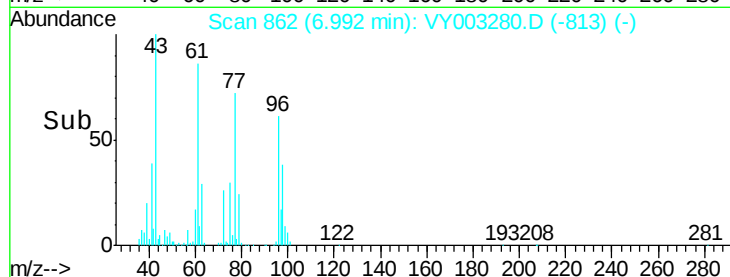
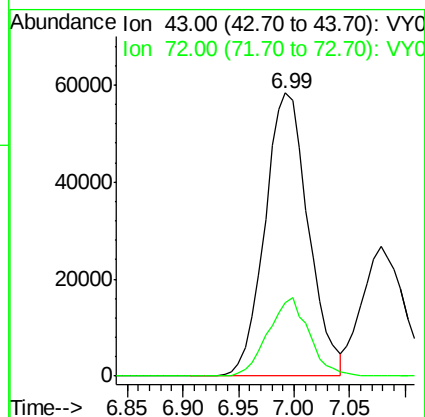
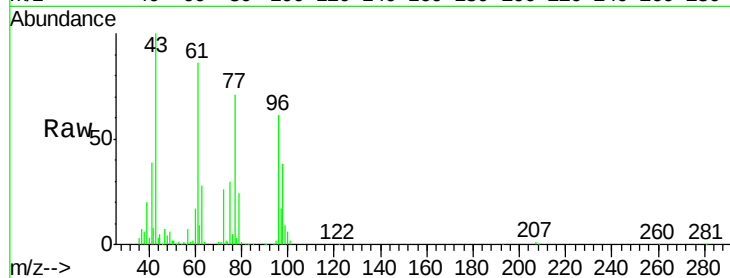
72 26.0 20.9 31.3

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 21.611 ug/l

RT: 6.99 min Scan# 861

Delta R.T. -0.01 min

Lab File: VY003280.D

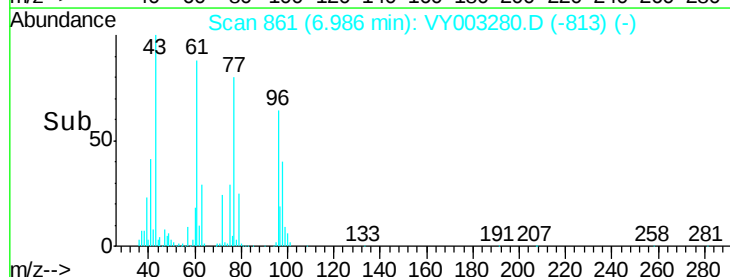
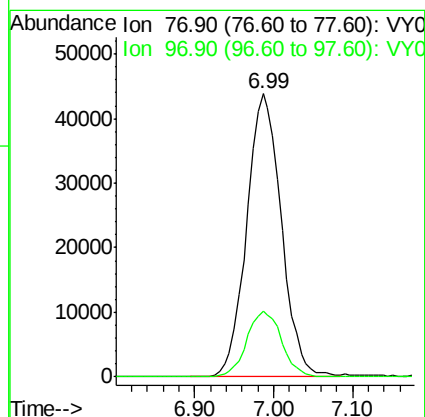
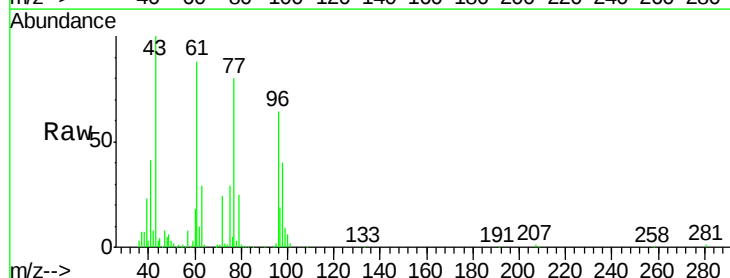
Acq: 22 Jul 2020 11:58

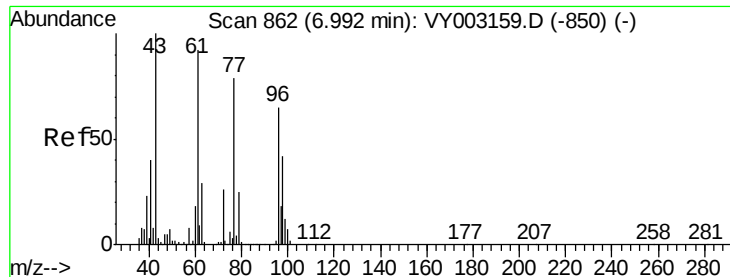
Tgt Ion: 77 Resp: 133876

Ion Ratio Lower Upper

77 100

97 23.4 11.6 34.7





#27

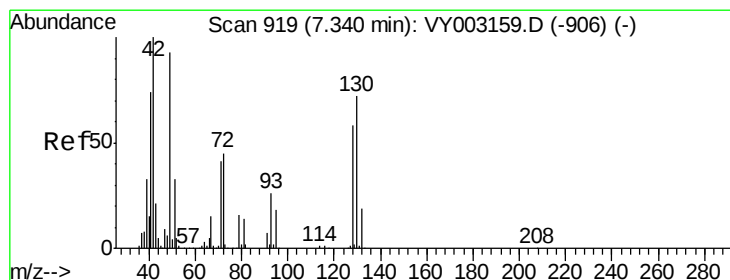
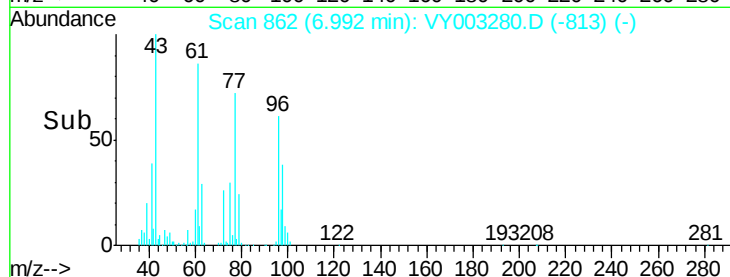
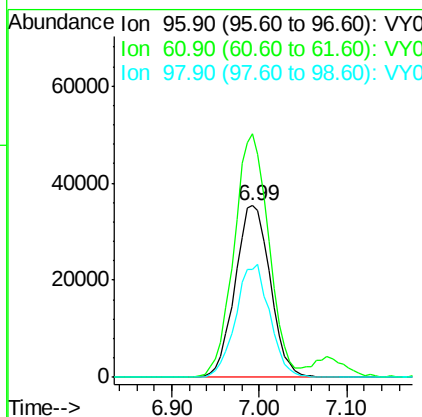
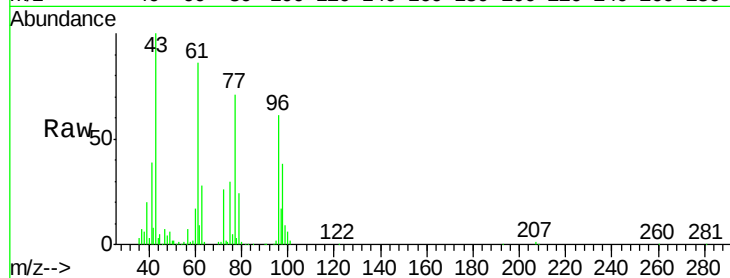
cis-1,2-Dichloroethene
Concen: 22.083 ug/l
RT: 6.99 min Scan# 862
Delta R.T. 0.00 min
Lab File: VY003280.D
Acq: 22 Jul 2020 11:58

Instrument :
MSVOA_Y
ClientSampleId :
VY0722SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.5	0.0	281.2
98	63.5	0.0	129.8

Manual Integrations
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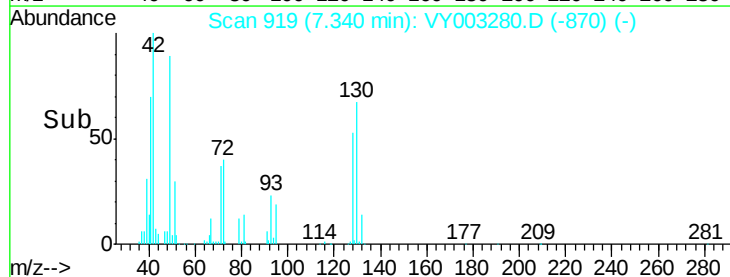
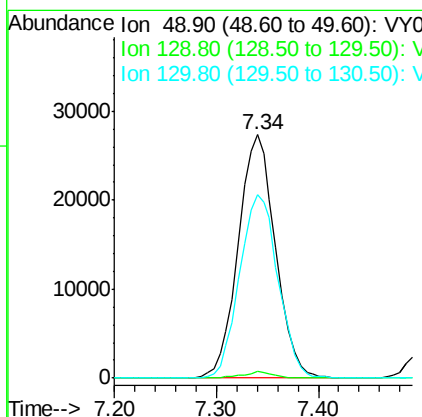
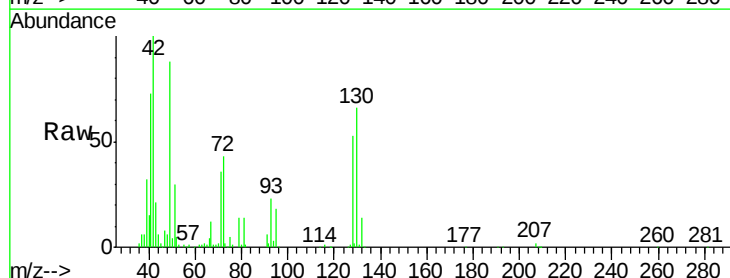
MMDadoda
7/23/2020 12:22:55 PM

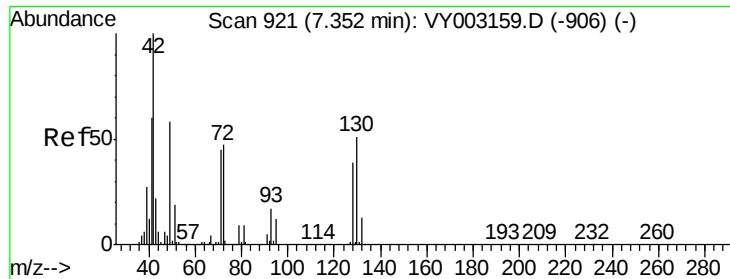


#28

Bromochloromethane
Concen: 23.256 ug/l
RT: 7.34 min Scan# 919
Delta R.T. 0.00 min
Lab File: VY003280.D
Acq: 22 Jul 2020 11:58

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	5.0
130	78.1	64.9	97.3





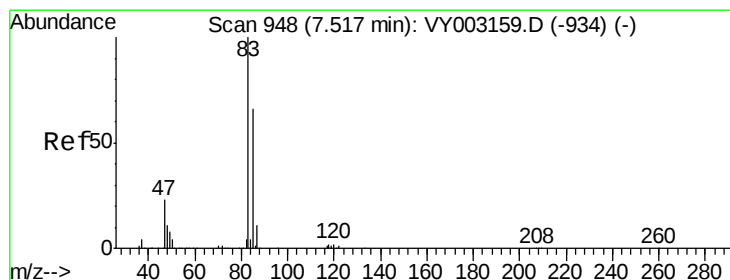
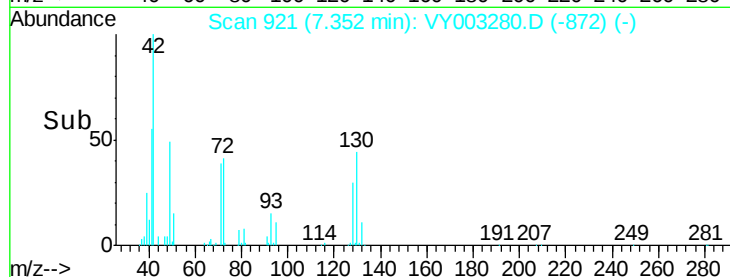
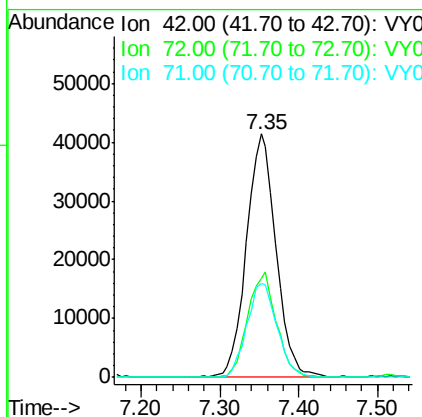
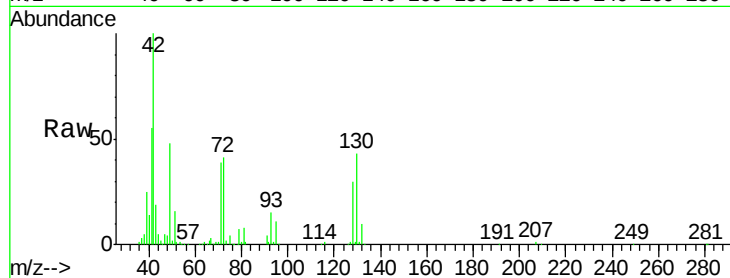
#29
Tetrahydrofuran
Concen: 119.875 ug/l
RT: 7.35 min Scan# 921
Delta R.T. 0.00 min
Lab File: VY003280.D
Acq: 22 Jul 2020 11:58

Instrument :
MSVOA_Y
ClientSampleId :
VY0722SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.2	36.7	55.1
71	39.4	34.2	51.4

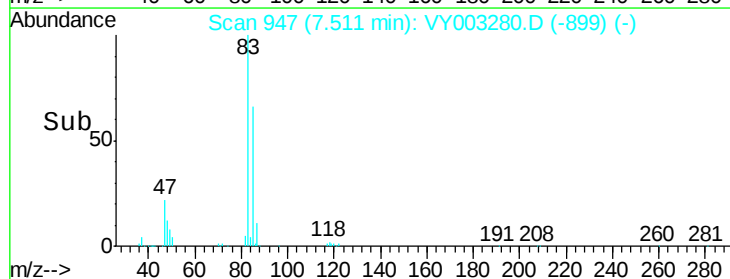
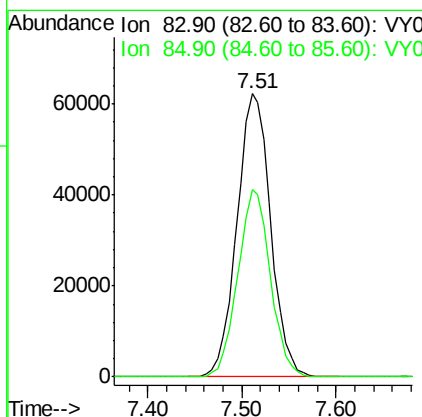
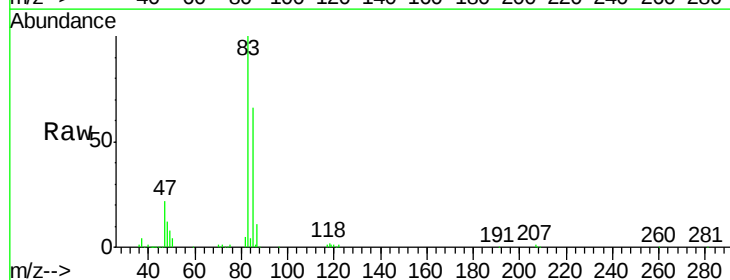
Manual Integrations
APPROVED

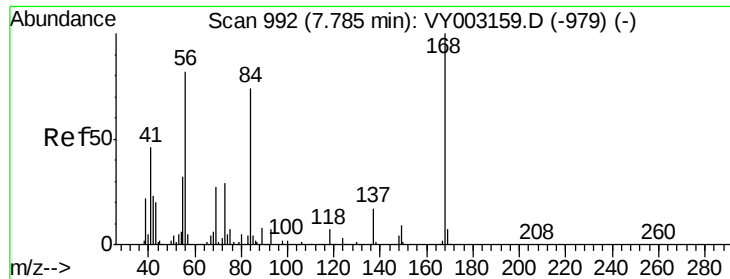
MMDadoda
7/23/2020 12:22:55 PM



#30
Chloroform
Concen: 21.924 ug/l
RT: 7.51 min Scan# 947
Delta R.T. -0.01 min
Lab File: VY003280.D
Acq: 22 Jul 2020 11:58

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.4	52.6	78.8





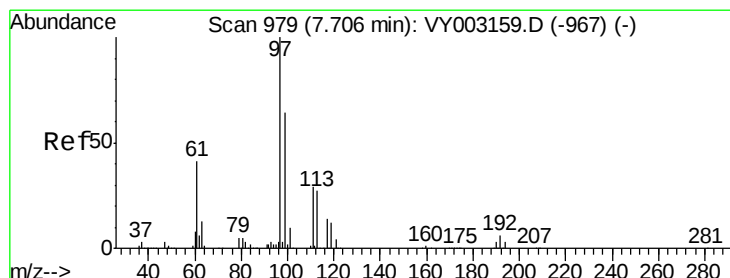
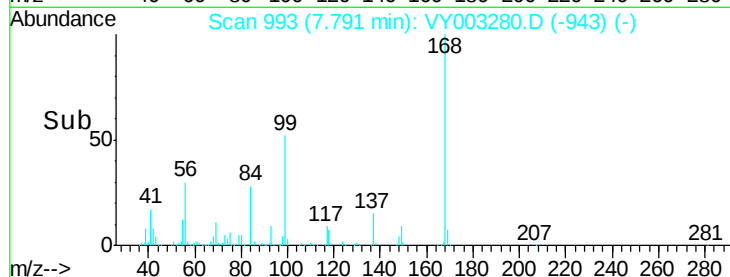
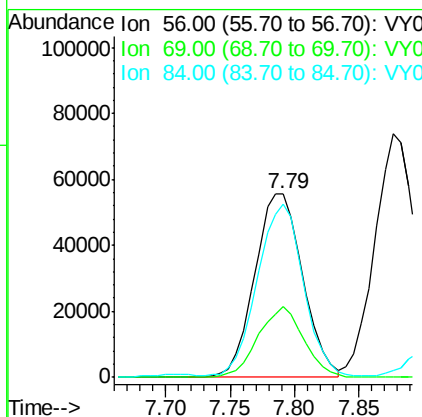
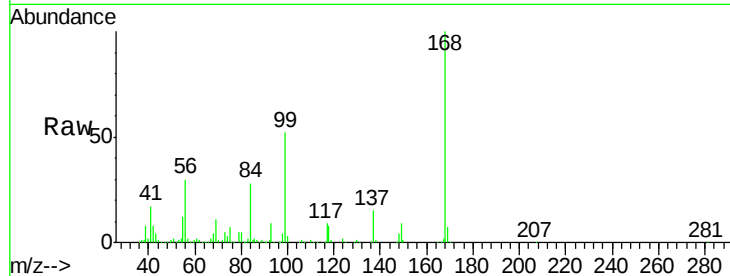
#31
Cyclohexane
Concen: 21.598 ug/l
RT: 7.79 min Scan# 993
Delta R.T. 0.01 min
Lab File: VY003280.D
Acq: 22 Jul 2020 11:58

Instrument :
MSVOA_Y
ClientSampleId :
VY0722SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.1	26.7	40.1
84	92.3	72.3	108.5

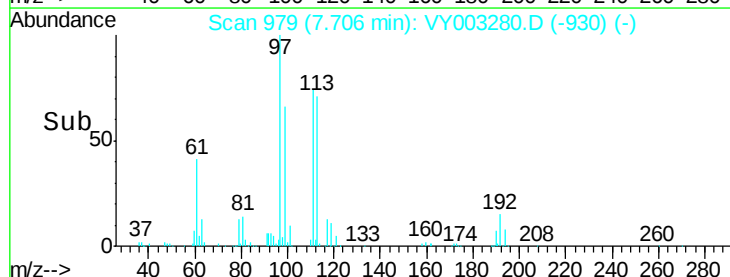
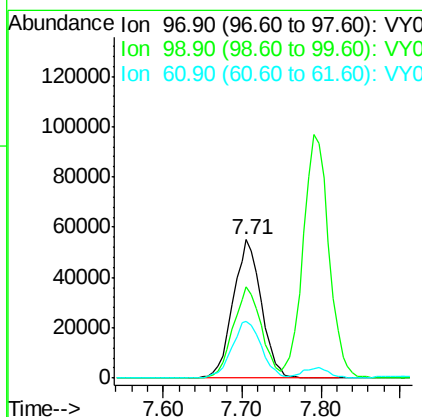
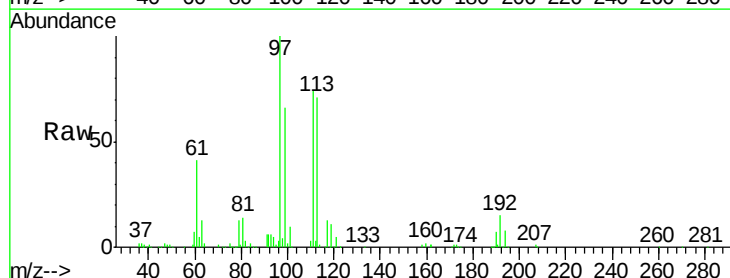
Manual Integrations
APPROVED

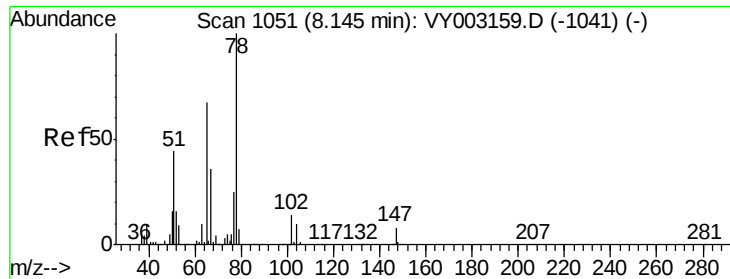
MMDadoda
7/23/2020 12:22:55 PM



#32
1,1,1-Trichloroethane
Concen: 21.481 ug/l
RT: 7.71 min Scan# 979
Delta R.T. 0.00 min
Lab File: VY003280.D
Acq: 22 Jul 2020 11:58

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.8	52.1	78.1
61	42.5	33.9	50.9





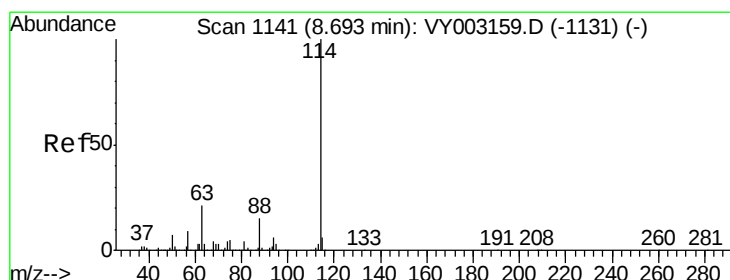
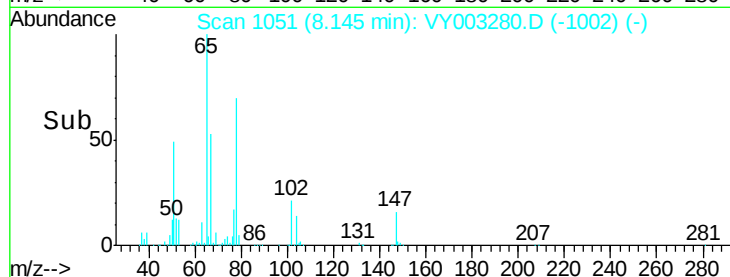
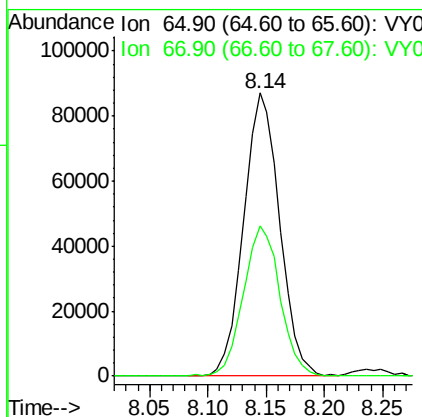
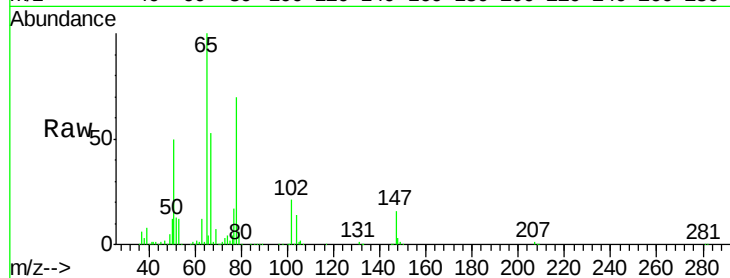
#33
 1,2-Dichloroethane-d4
 Concen: 51.361 ug/l
 RT: 8.14 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VY003280.D
 Acq: 22 Jul 2020 11:58

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0722SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.2	0.0	105.2	

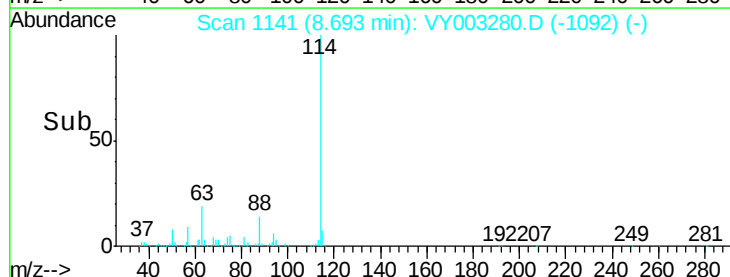
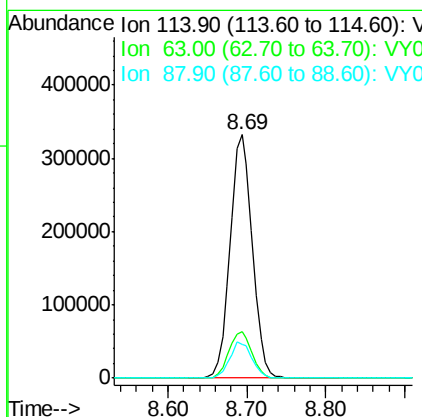
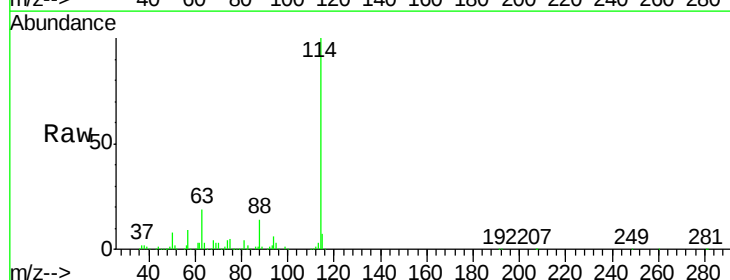
Manual Integrations
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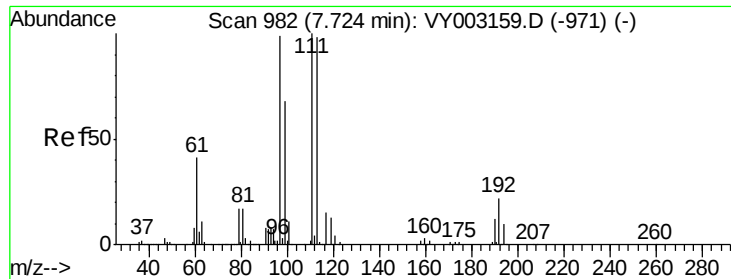
MMDadoda
 7/23/2020 12:22:55 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: VY003280.D
 Acq: 22 Jul 2020 11:58

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.2	0.0	41.2	
88	14.0	0.0	30.2	





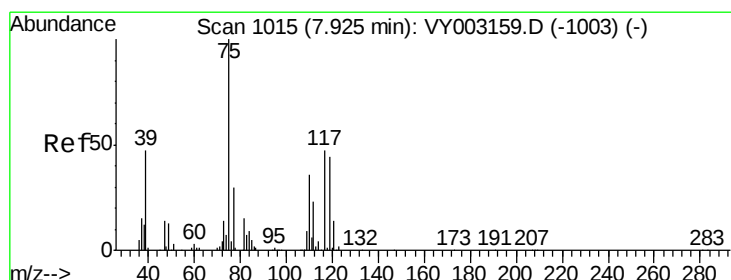
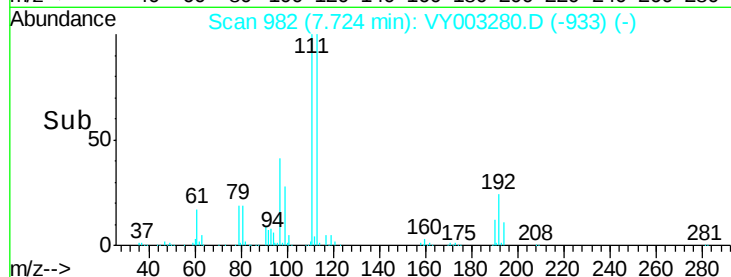
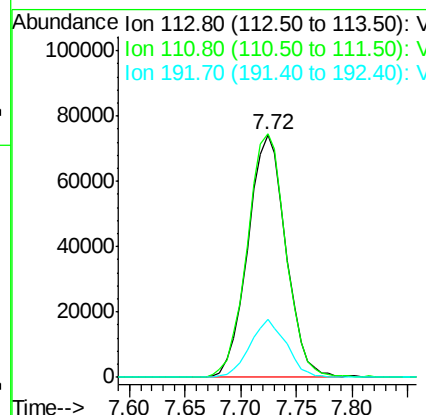
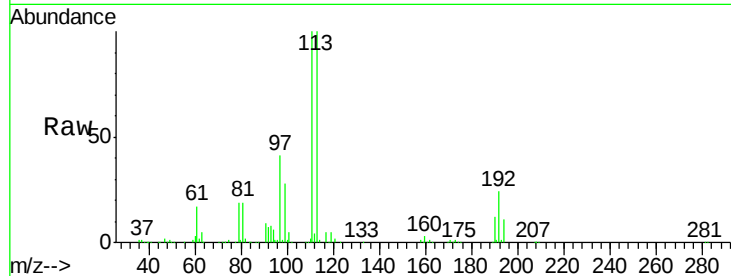
#35
Dibromofluoromethane
Concen: 47.123 ug/l
RT: 7.72 min Scan# 982
Delta R.T. 0.00 min
Lab File: VY003280.D
Acq: 22 Jul 2020 11:58

Instrument :
MSVOA_Y
ClientSampleId :
VY0722SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	175782		
111	102.5	82.1	123.1	
192	23.0	18.8	28.2	

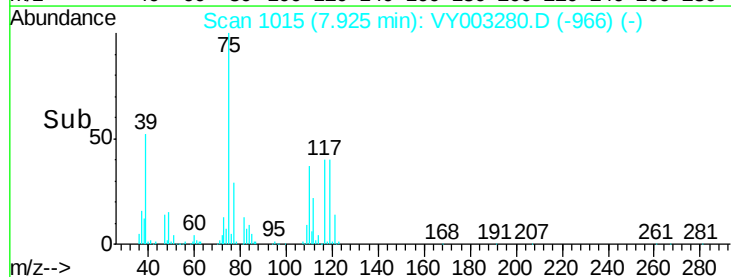
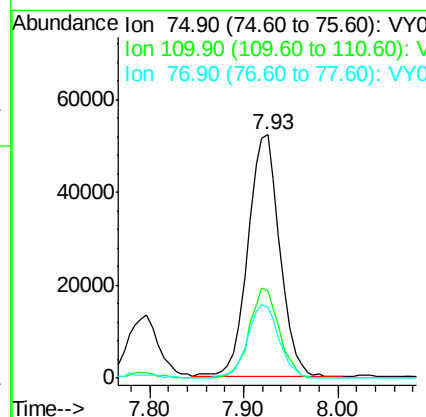
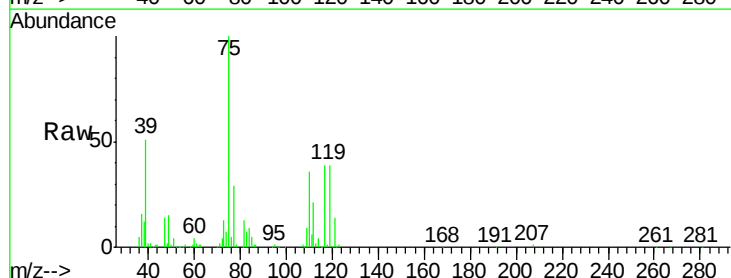
Manual Integrations
APPROVED

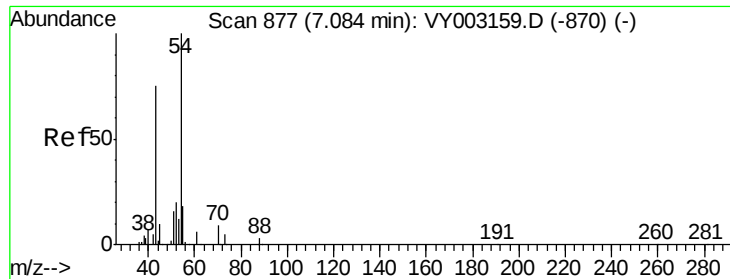
MMDadoda
7/23/2020 12:22:55 PM



#36
1,1-Dichloropropene
Concen: 21.024 ug/l
RT: 7.93 min Scan# 1015
Delta R.T. 0.00 min
Lab File: VY003280.D
Acq: 22 Jul 2020 11:58

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	123512		
110	34.7	18.1	54.1	
77	30.2	24.8	37.2	





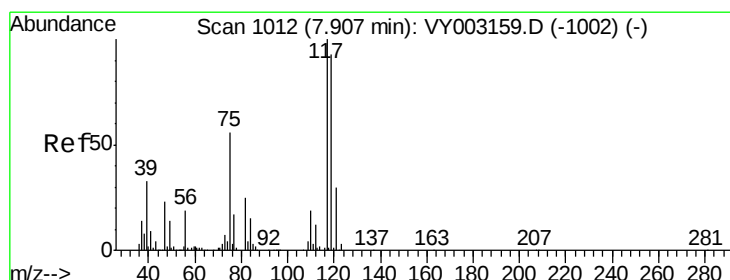
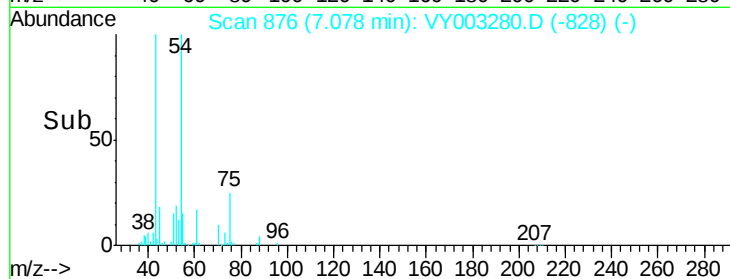
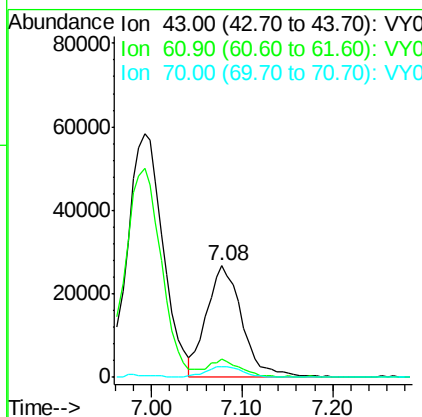
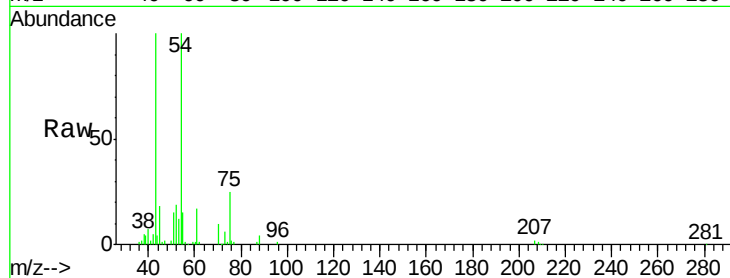
#37
Ethyl Acetate
Concen: 22.947 ug/l
RT: 7.08 min Scan# 876
Delta R.T. -0.01 min
Lab File: VY003280.D
Acq: 22 Jul 2020 11:58

Instrument :
MSVOA_Y
ClientSampleId :
VY0722SBS01

Tot Ion	43	Resp	72601
Ion Ratio	Lower	Upper	
43	100		
61	14.3	11.8	17.6
70	10.1	8.6	13.0

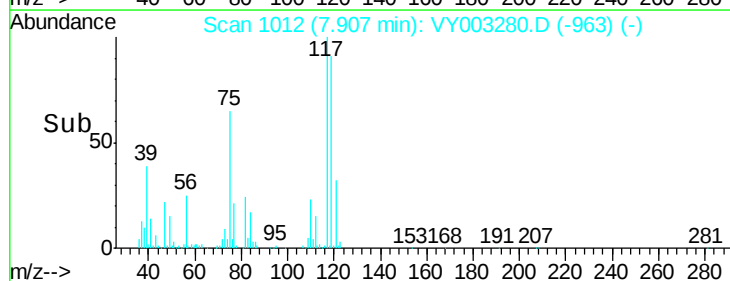
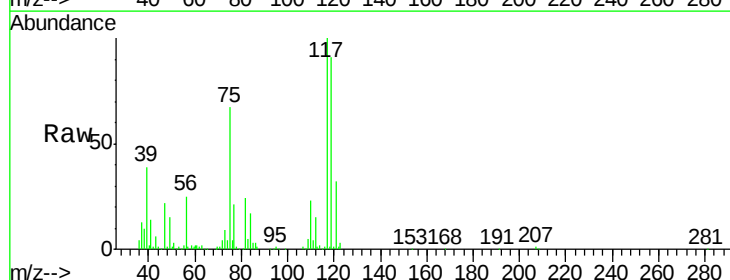
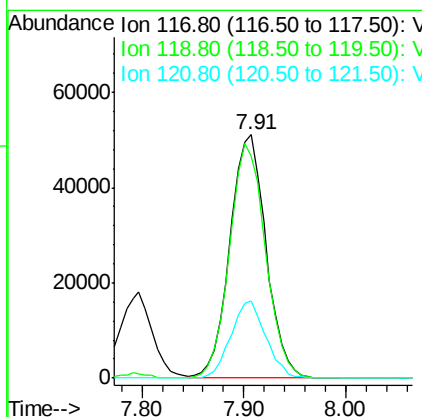
Manual Integrations
APPROVED

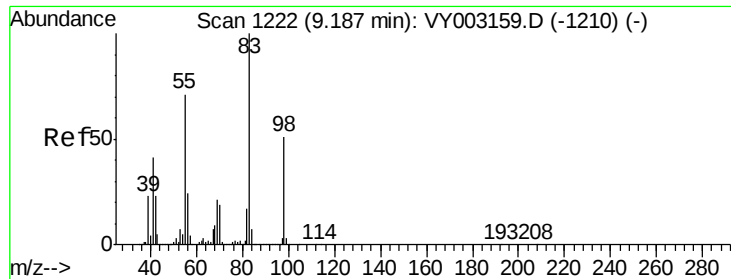
MMDadoda
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#38
Carbon Tetrachloride
Concen: 20.680 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VY003280.D
Acq: 22 Jul 2020 11:58

Tgt Ion	117	Resp	125424
Ion Ratio	Lower	Upper	
117	100		
119	90.9	74.5	111.7
121	32.0	24.2	36.2





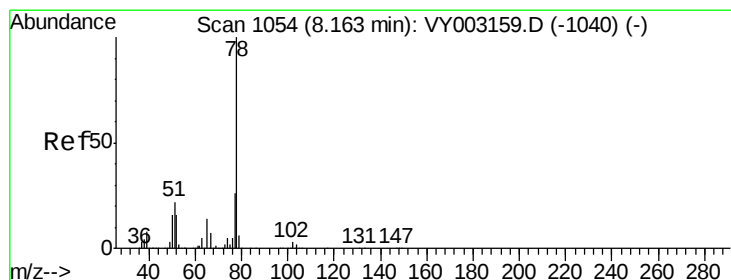
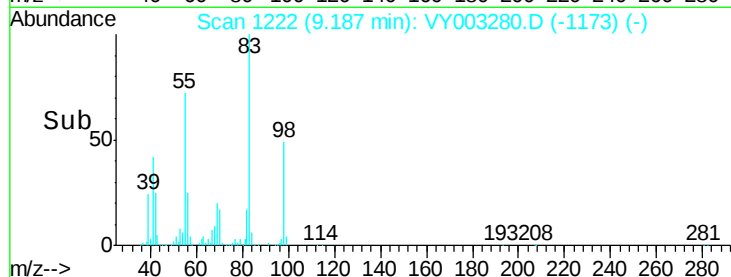
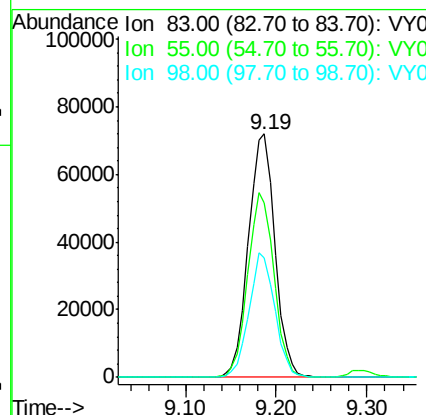
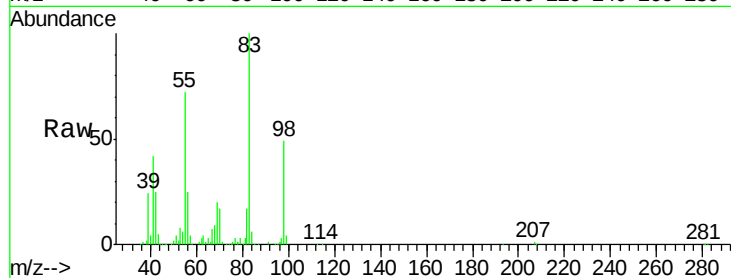
#39
Methvlcvclohexane
Concen: 19.776 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. 0.00 min
Lab File: VY003280.D
Acq: 22 Jul 2020 11:58

Instrument :
MSVOA_Y
ClientSampleId :
VY0722SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.5	57.2	85.8
98	49.2	41.0	61.6

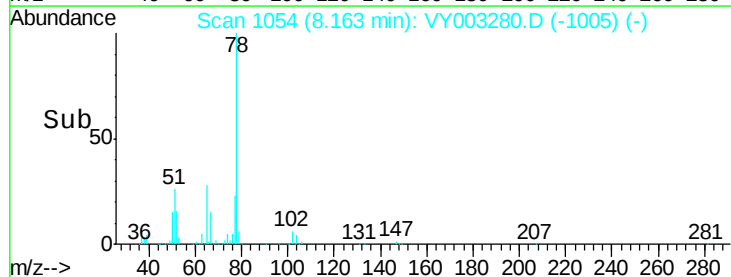
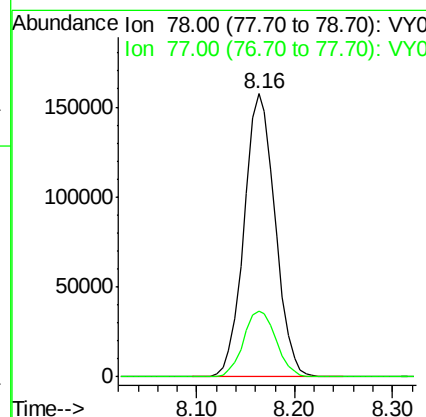
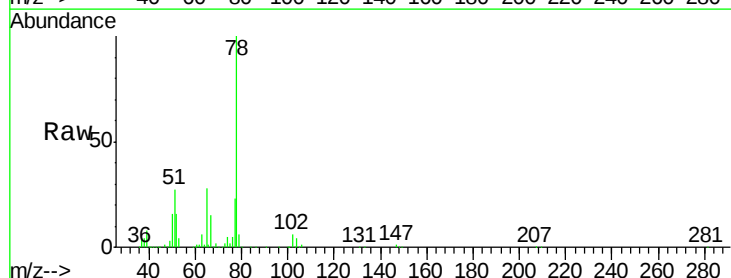
Manual Integrations
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#40
Benzene
Concen: 21.361 ug/l
RT: 8.16 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VY003280.D
Acq: 22 Jul 2020 11:58

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	20.7	31.1





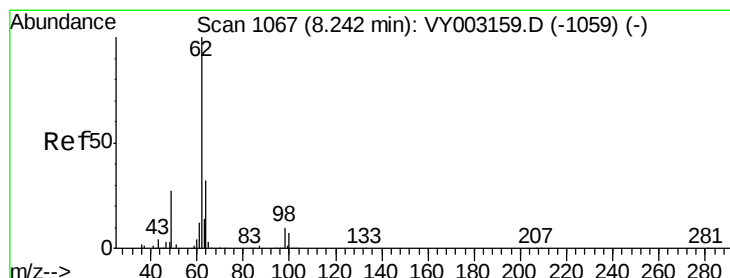
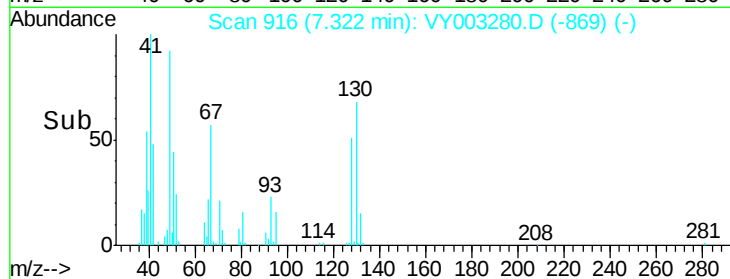
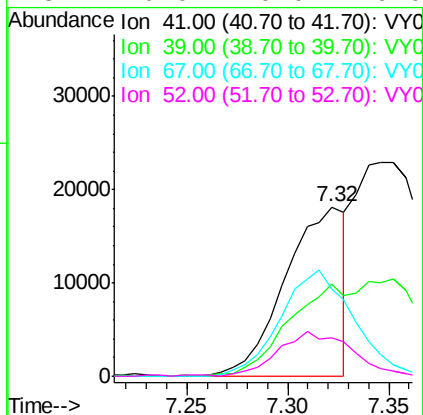
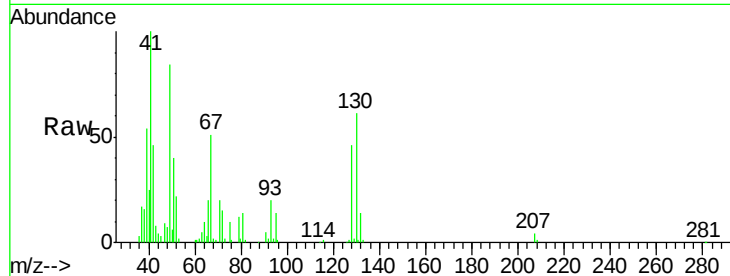
#41
Methacrylonitrile
Concen: 19.960 ug/l m
RT: 7.32 min Scan# 916
Delta R.T. -0.01 min
Lab File: VY003280.D
Acq: 22 Jul 2020 11:58

Instrument :
MSVOA_Y
ClientSampleId :
VY0722SBS01

Tot Ion	41	Resp	38033
Ion Ratio	100	Lower	Upper
41	100		
39	0.0	83.3	124.9#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

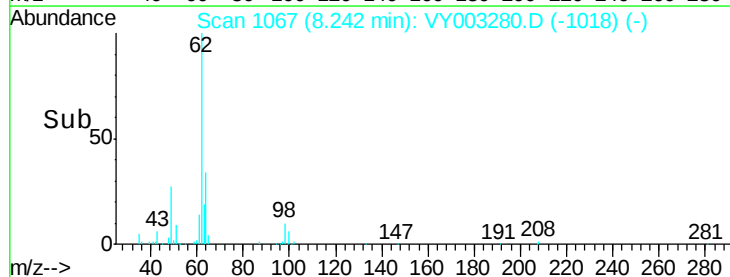
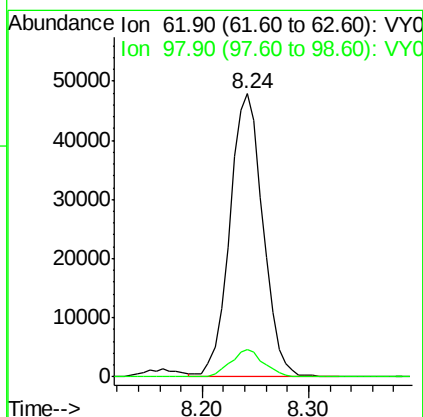
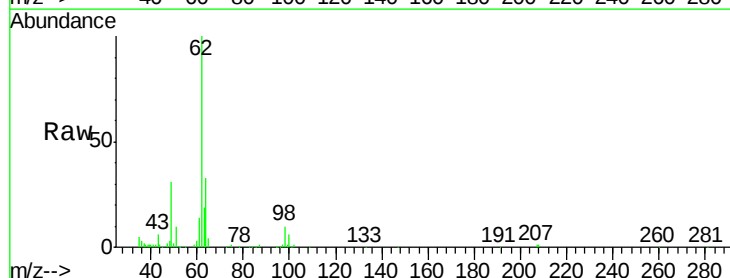
Manual Integrations
APPROVED

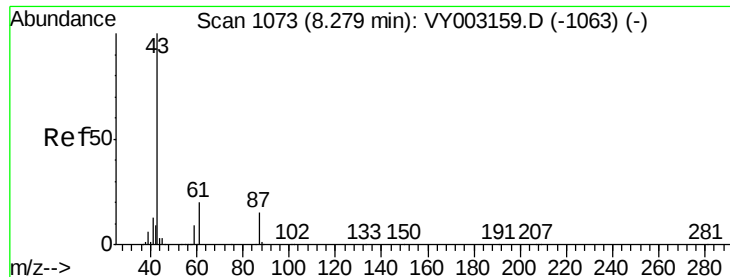
MMDadoda
7/23/2020 12:22:55 PM



#42
1,2-Dichloroethane
Concen: 21.001 ug/l
RT: 8.24 min Scan# 1067
Delta R.T. 0.00 min
Lab File: VY003280.D
Acq: 22 Jul 2020 11:58

Tgt Ion	62	Resp	104589
Ion Ratio	100	Lower	Upper
62	100		
98	9.7	0.0	19.0





#43

Isopropyl Acetate

Concen: 22.393 ug/l

RT: 8.28 min Scan# 1073

Delta R.T. 0.00 min

Lab File: VY003280.D

Acq: 22 Jul 2020 11:58

Instrument :

MSVOA_Y

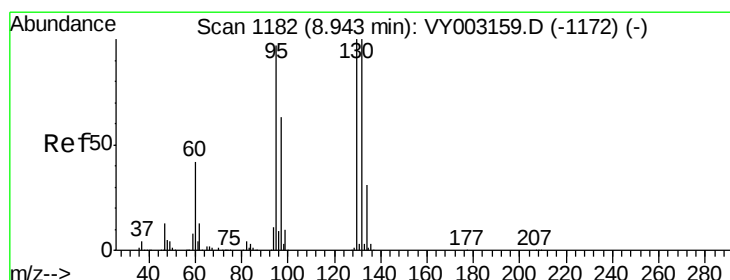
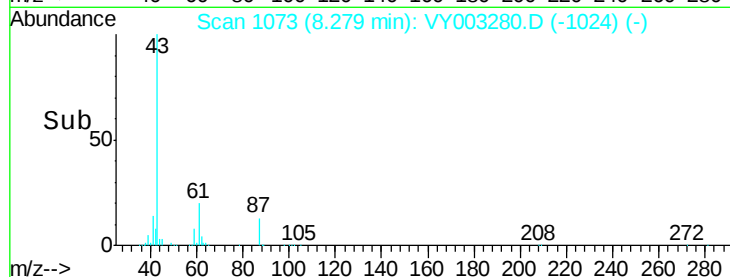
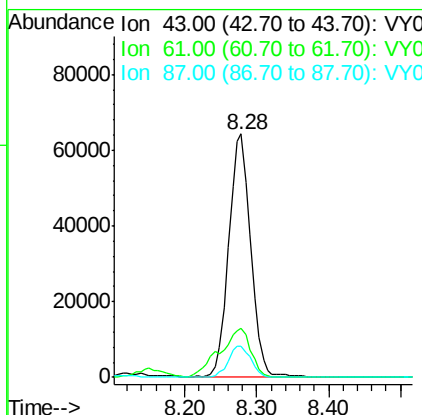
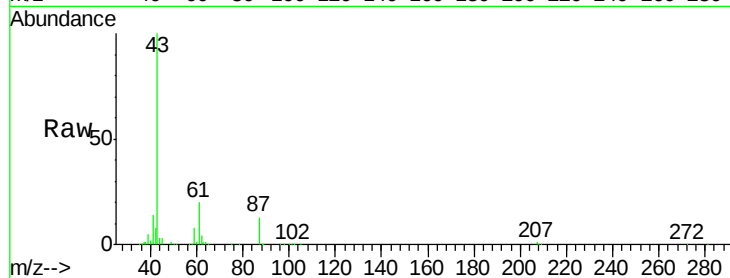
ClientSampleId :

VY0722SBS01

Tot Ion:	43	Resp:	137134
Ion	Ratio	Lower	Upper
43	100		
61	28.3	23.7	35.5
87	13.2	11.4	17.0

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#44

Trichloroethene

Concen: 19.976 ug/l

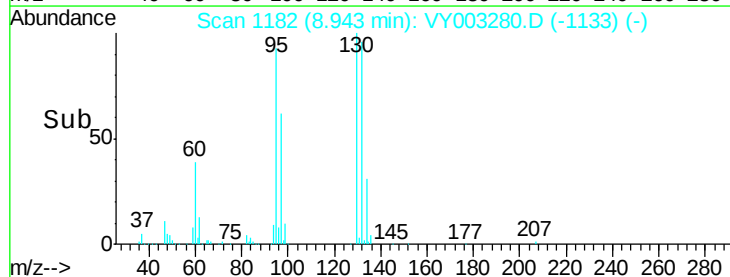
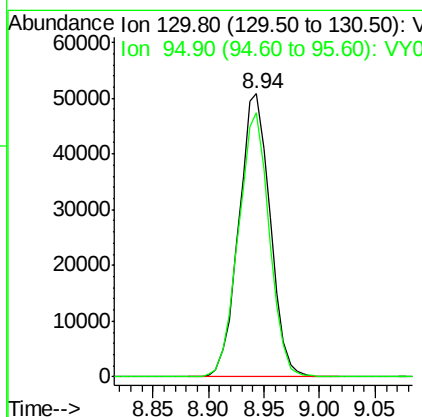
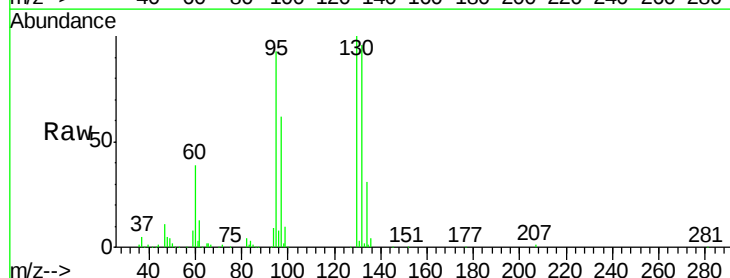
RT: 8.94 min Scan# 1182

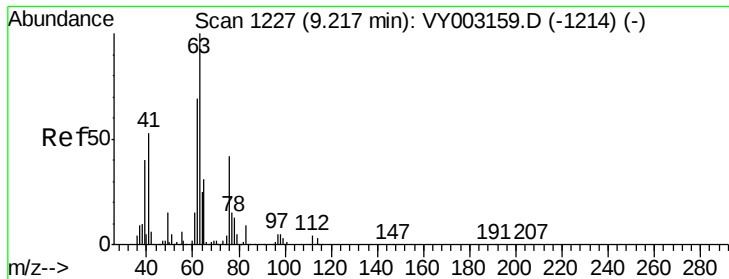
Delta R.T. 0.00 min

Lab File: VY003280.D

Acq: 22 Jul 2020 11:58

Tgt Ion:	130	Resp:	99060
Ion	Ratio	Lower	Upper
130	100		
95	93.3	0.0	193.8





#45

1,2-Dichloropropane

Concen: 21.922 ug/l

RT: 9.22 min Scan# 1227

Delta R.T. 0.00 min

Lab File: VY003280.D

Acq: 22 Jul 2020 11:58

Instrument :

MSVOA_Y

ClientSampleId :

VY0722SBS01

Tot Ion: 63 Resp: 91760

Ion Ratio Lower Upper

63 100

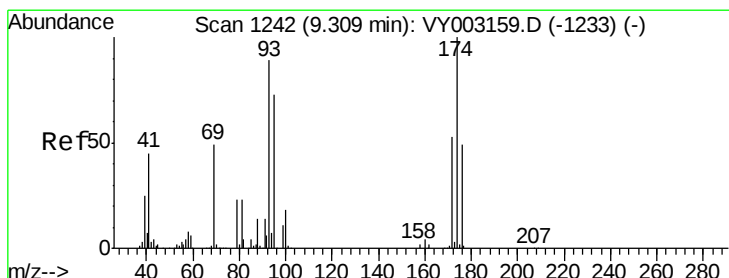
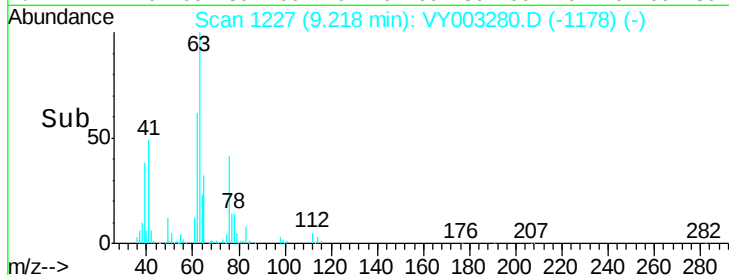
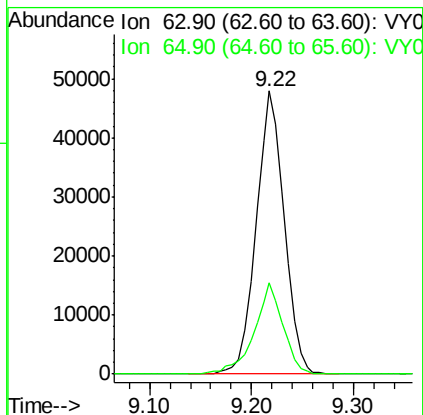
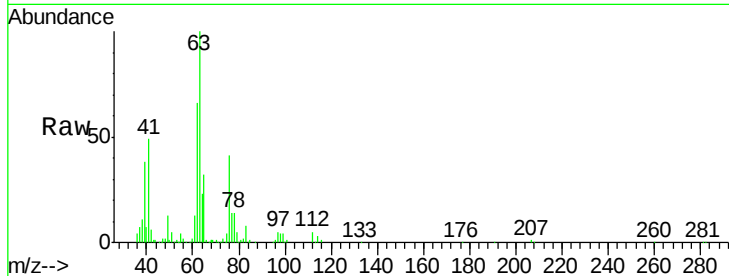
65 32.3 25.0 37.4

Manual Integrations

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#46

Dibromomethane

Concen: 20.301 ug/l

RT: 9.31 min Scan# 1242

Delta R.T. 0.00 min

Lab File: VY003280.D

Acq: 22 Jul 2020 11:58

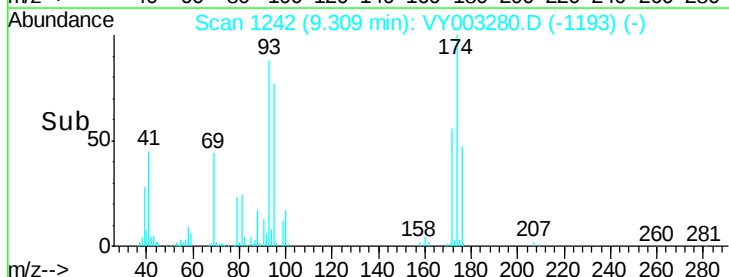
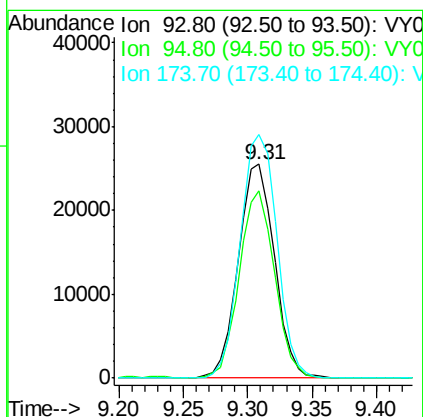
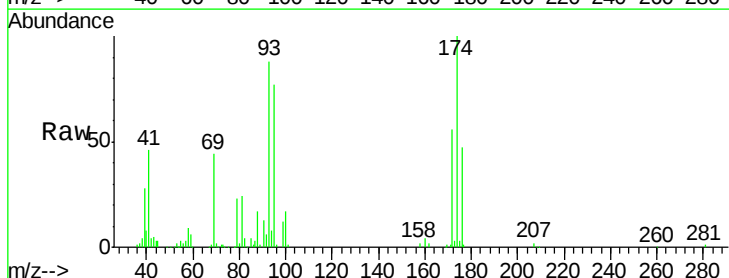
Tgt Ion: 93 Resp: 49632

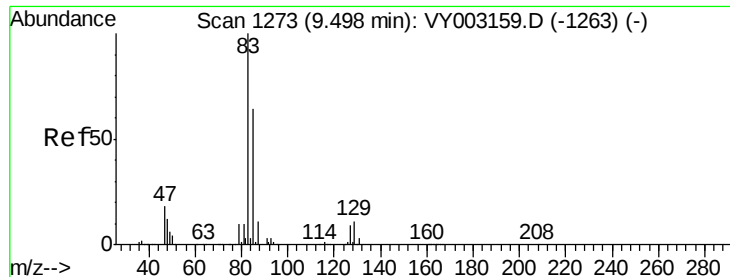
Ion Ratio Lower Upper

93 100

95 85.7 66.6 99.8

174 115.2 90.2 135.4





#47

Bromodichloromethane

Concen: 21.938 ug/l

RT: 9.50 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VY003280.D

Acq: 22 Jul 2020 11:58

Instrument :

MSVOA_Y

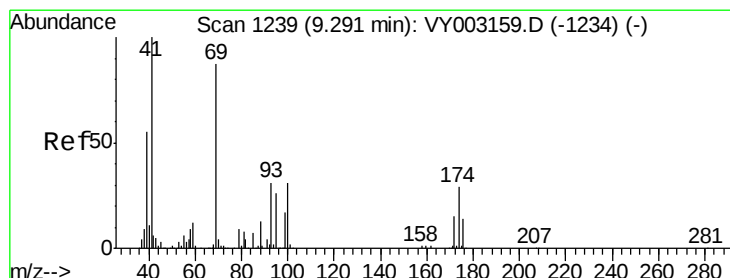
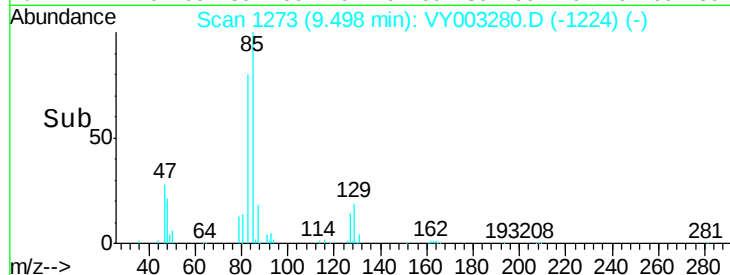
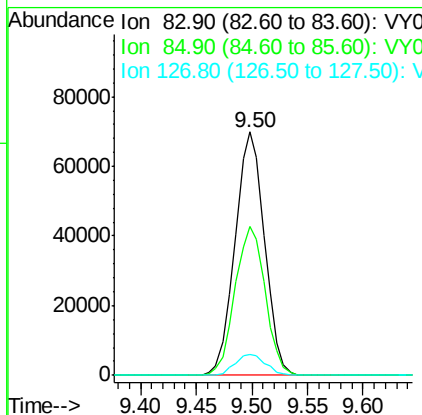
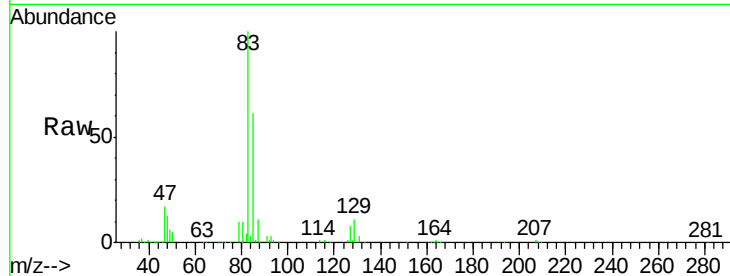
ClientSampleId :

VY0722SBS01

Tot Ion:	83	Resp:	127557
Ion Ratio	Lower	Upper	
83	100		
85	61.2	50.9	76.3
127	8.4	7.0	10.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 22.851 ug/l

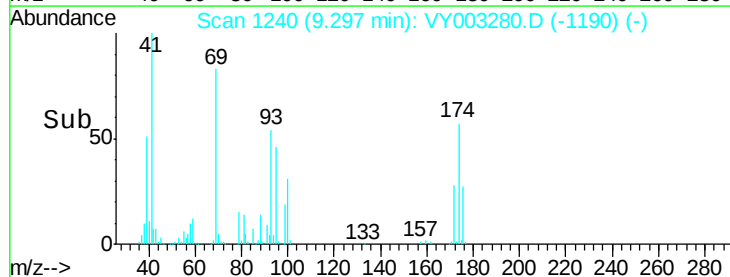
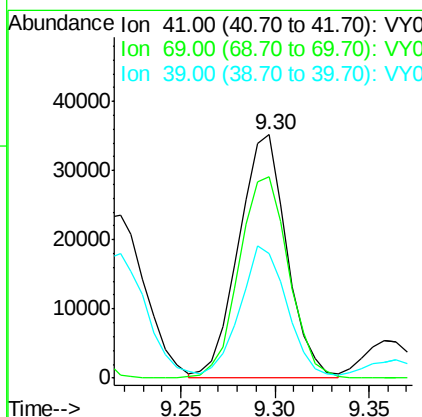
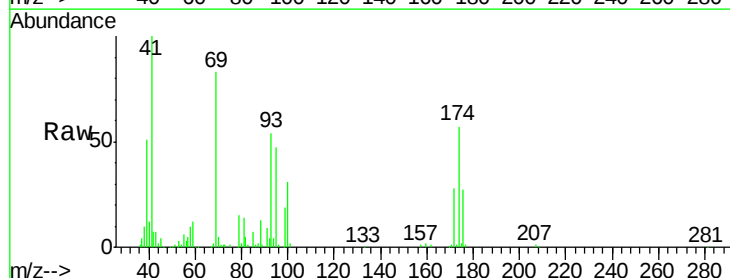
RT: 9.30 min Scan# 1240

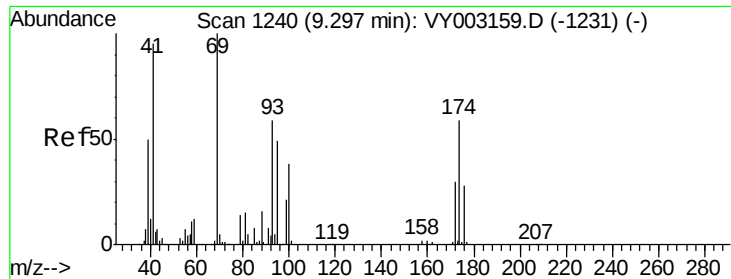
Delta R.T. 0.01 min

Lab File: VY003280.D

Acq: 22 Jul 2020 11:58

Tgt Ion:	41	Resp:	62562
Ion Ratio	Lower	Upper	
41	100		
69	85.3	74.5	111.7
39	53.2	47.5	71.3





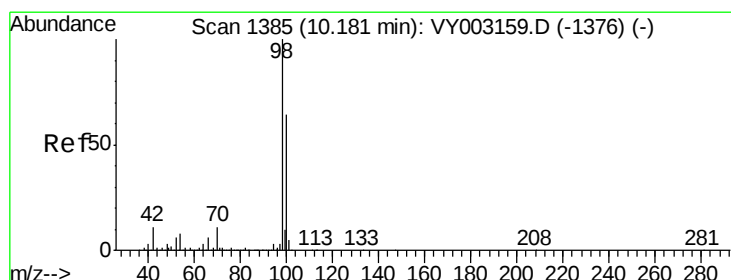
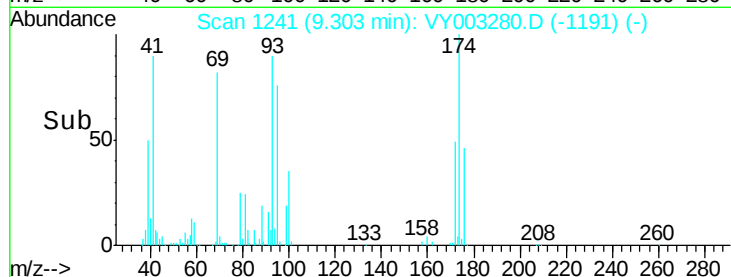
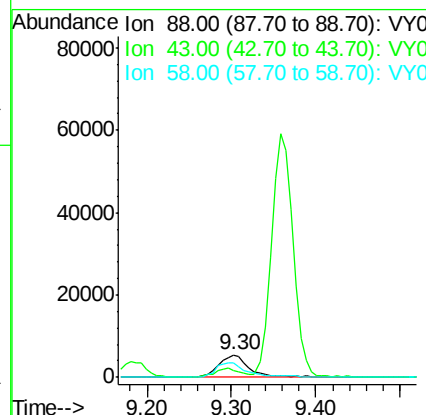
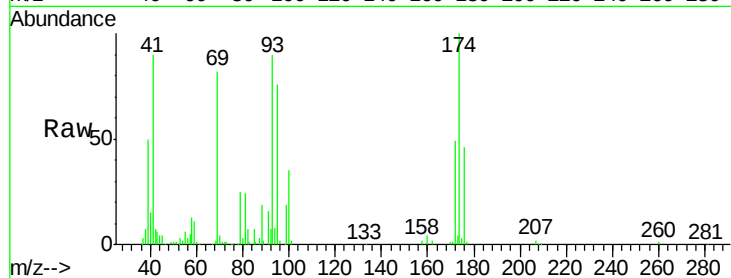
#49
1,4-Dioxane
Concen: 443.569 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. 0.01 min
Lab File: VY003280.D
Acq: 22 Jul 2020 11:58

Instrument :
MSVOA_Y
ClientSampleId :
VY0722SBS01

Tot Ion	88	Resp	13763
Ion Ratio	Lower	Upper	
88	100		
43	30.2	25.6	38.4
58	63.9	47.8	71.6

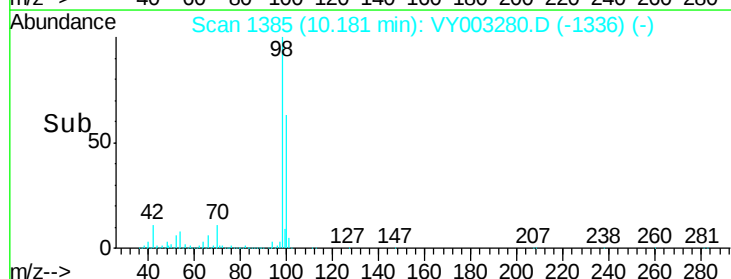
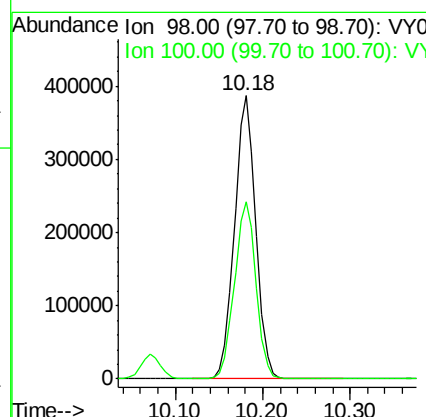
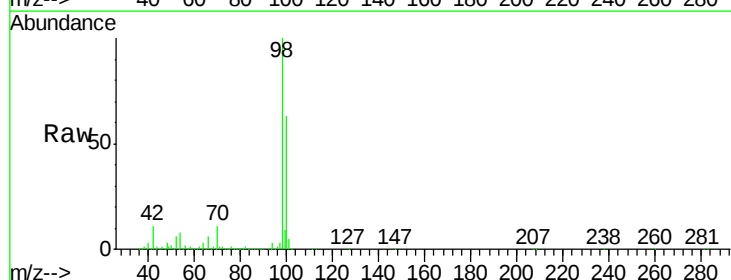
Manual Integrations
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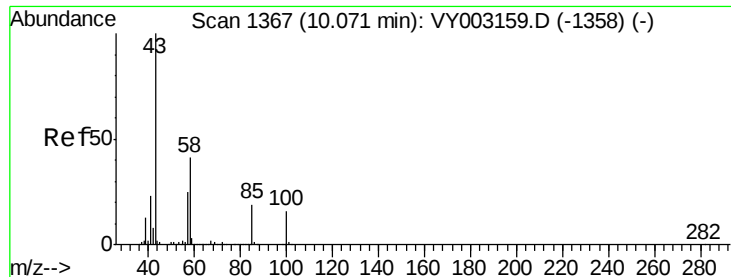
MMDadoda
7/23/2020 12:22:55 PM



#50
Toluene-d8
Concen: 47.168 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VY003280.D
Acq: 22 Jul 2020 11:58

Tgt Ion	98	Resp	654156
Ion Ratio	Lower	Upper	
98	100		
100	63.4	50.7	76.1





#51

4-Methyl-2-Pentanone

Concen: 111.663 ug/l

RT: 10.07 min Scan# 1367

Delta R.T. 0.00 min

Lab File: VY003280.D

Acq: 22 Jul 2020 11:58

Instrument :

MSVOA_Y

ClientSampleId :

VY0722SBS01

Tot Ion: 43 Resp: 355433

Ion Ratio Lower Upper

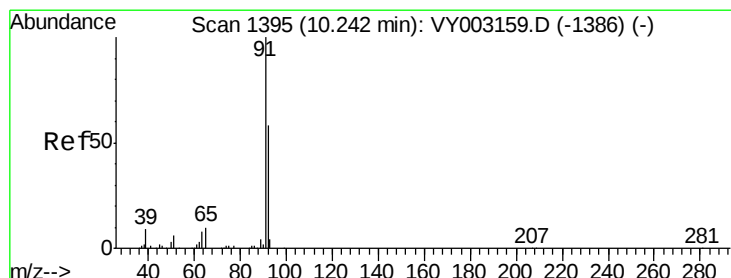
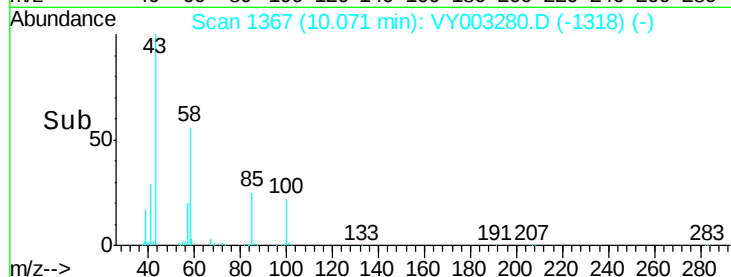
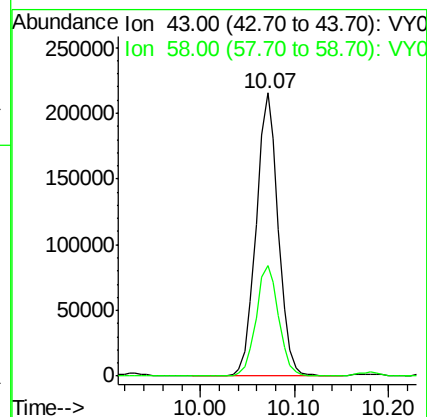
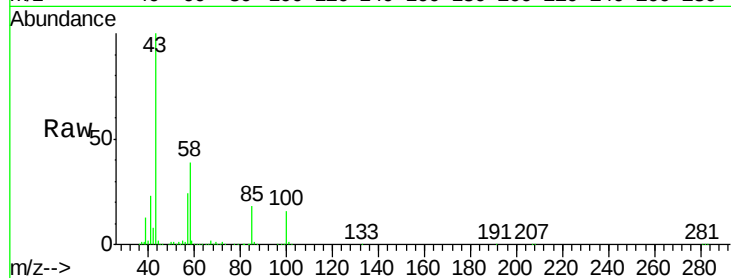
43 100

58 39.7 32.7 49.1

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7/23/2020 12:22:55 PM



#52

Toluene

Concen: 21.314 ug/l

RT: 10.24 min Scan# 1395

Delta R.T. 0.00 min

Lab File: VY003280.D

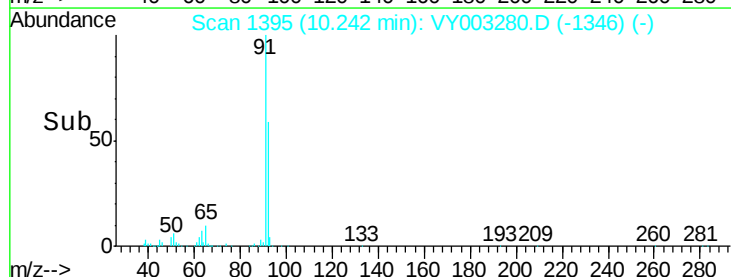
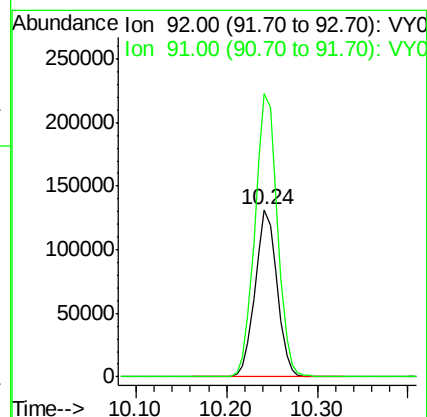
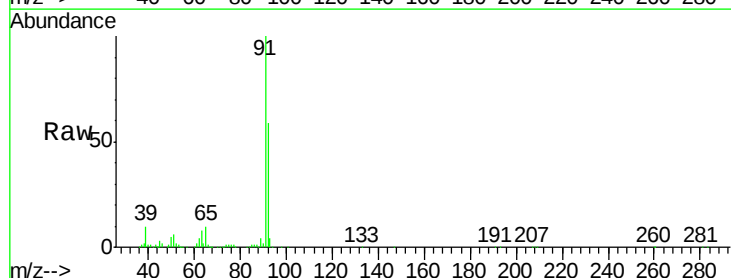
Acq: 22 Jul 2020 11:58

Tgt Ion: 92 Resp: 220373

Ion Ratio Lower Upper

92 100

91 173.4 139.7 209.5





#53

t-1,3-Dichloropropene

Concen: 21.313 ug/l

RT: 10.47 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VY003280.D

Acq: 22 Jul 2020 11:58

Instrument :

MSVOA_Y

ClientSampleId :

VY0722SBS01

Tot Ion: 75 Resp: 128393

Ion Ratio Lower Upper

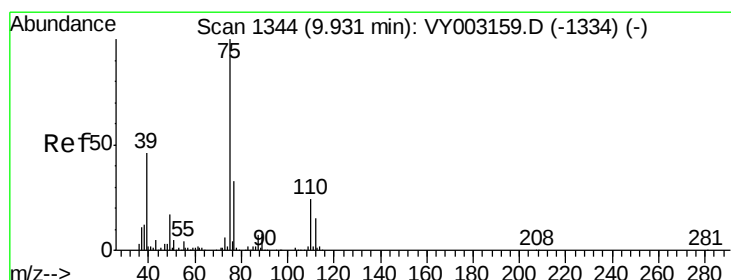
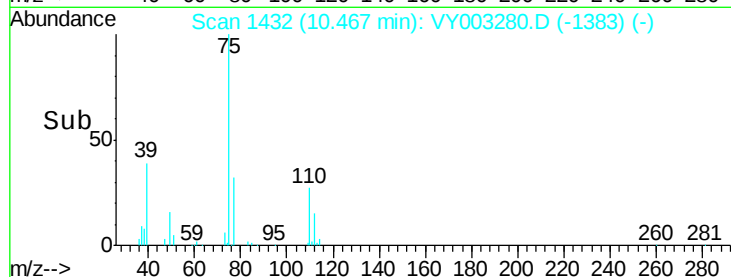
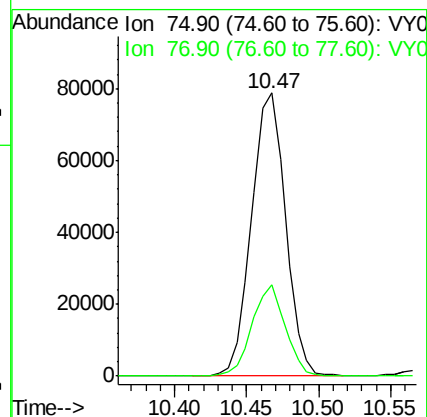
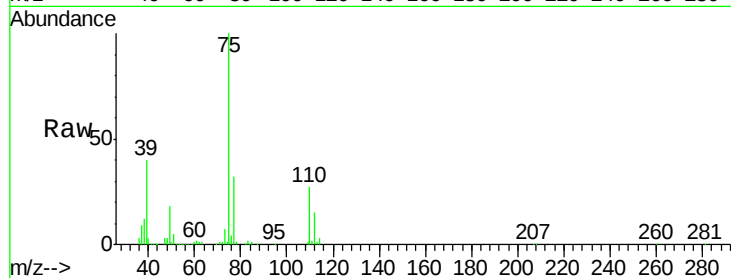
75 100

77 32.1 25.2 37.8

Manual Integrations
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7/23/2020 12:22:55 PM



#54

cis-1,3-Dichloropropene

Concen: 20.964 ug/l

RT: 9.93 min Scan# 1344

Delta R.T. 0.00 min

Lab File: VY003280.D

Acq: 22 Jul 2020 11:58

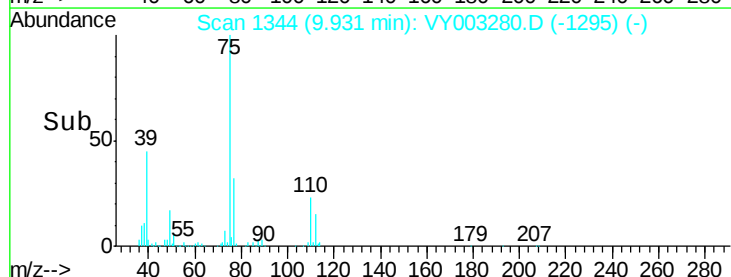
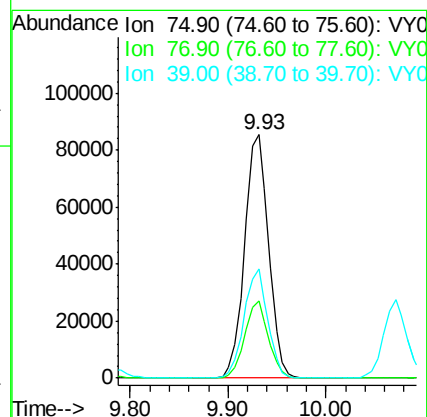
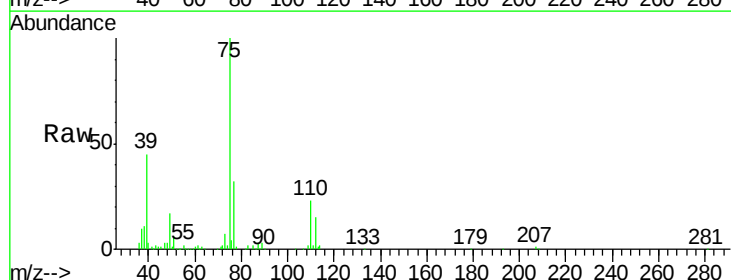
Tgt Ion: 75 Resp: 145513

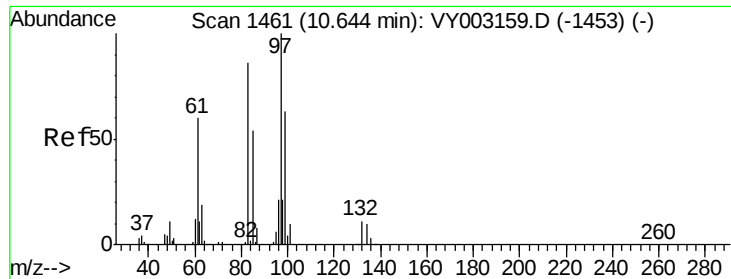
Ion Ratio Lower Upper

75 100

77 31.8 26.7 40.1

39 44.5 37.0 55.6





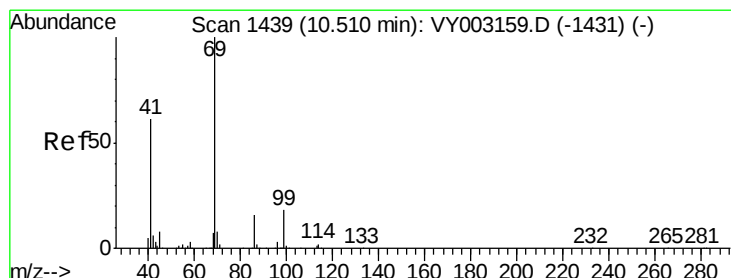
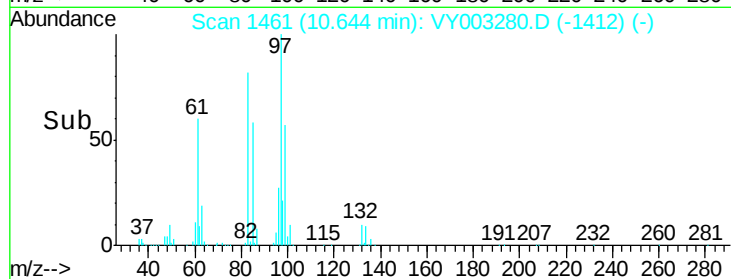
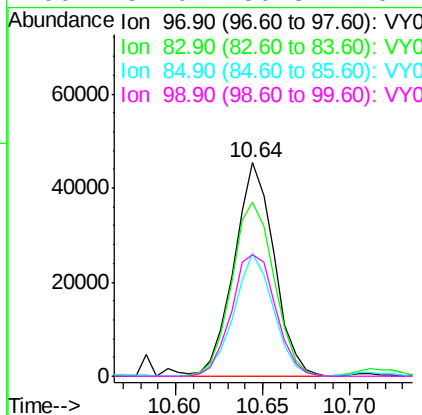
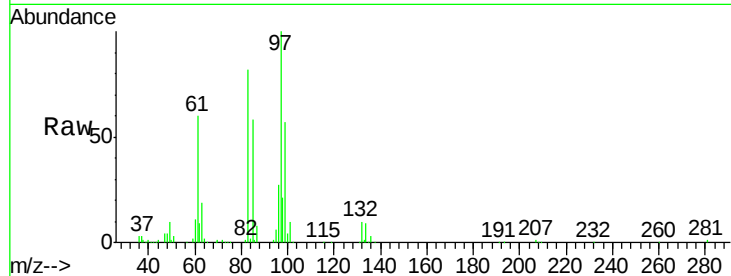
#55
 1,1,2-Trichloroethane
 Concen: 20.743 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. 0.00 min
 Lab File: VY003280.D
 Acq: 22 Jul 2020 11:58

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0722SBS01

Tot Ion:	97	Resp:	71861
Ion	Ratio	Lower	Upper
97	100		
83	81.2	68.8	103.2
85	57.5	43.1	64.7
99	57.0	50.8	76.2

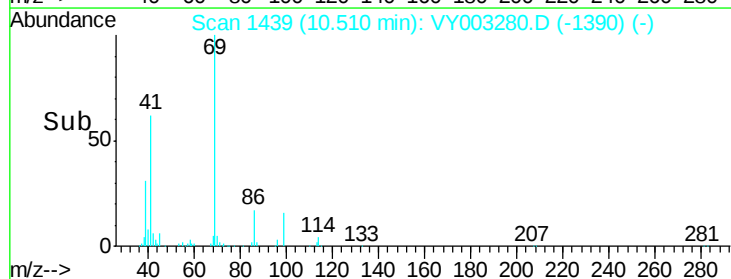
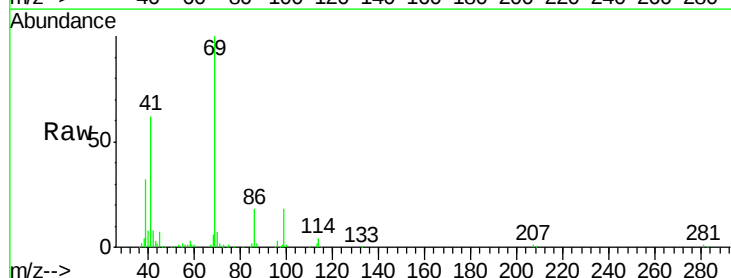
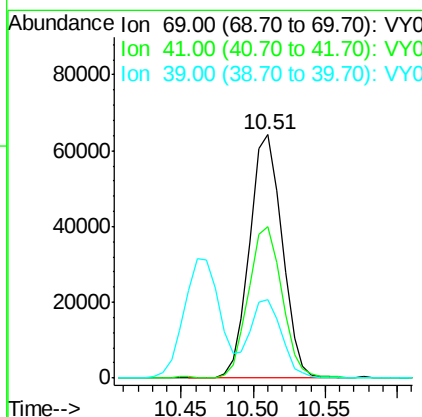
Manual Integrations
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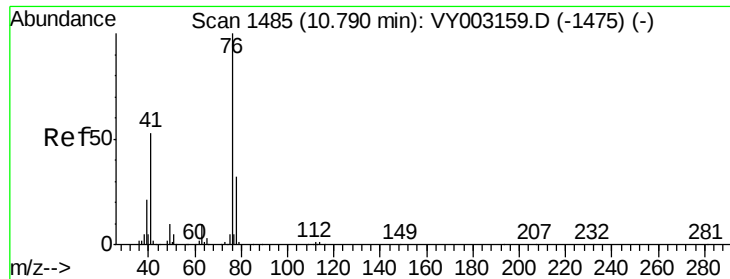
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 7/23/2020 12:22:55 PM



#56
 Ethyl methacrylate
 Concen: 21.310 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. 0.00 min
 Lab File: VY003280.D
 Acq: 22 Jul 2020 11:58

Tgt Ion:	69	Resp:	100366
Ion	Ratio	Lower	Upper
69	100		
41	64.4	50.0	75.0
39	32.1	27.6	41.4





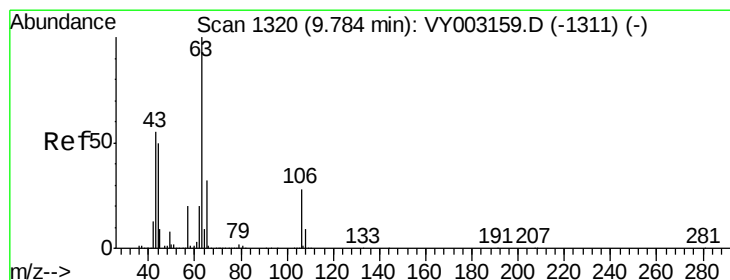
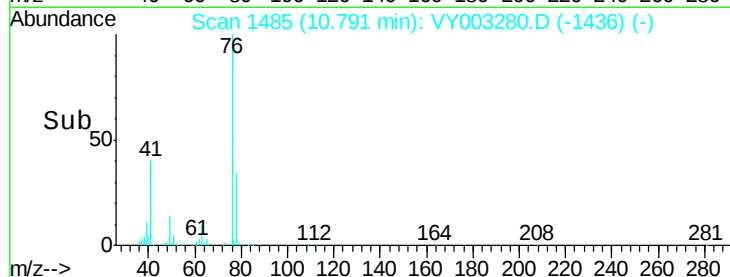
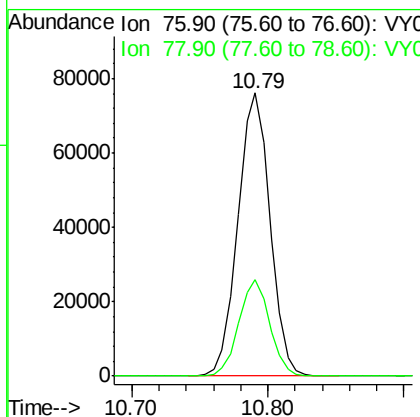
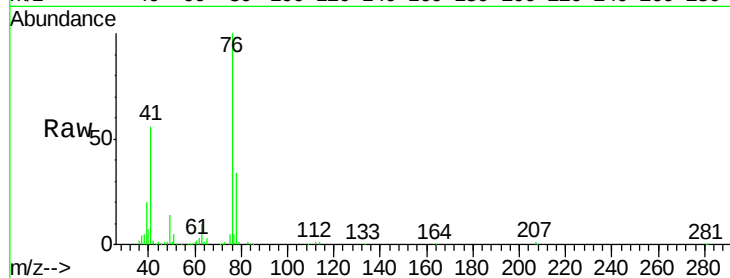
#57
 1,3-Dichloropropane
 Concen: 21.356 ug/l
 RT: 10.79 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VY003280.D
 Acq: 22 Jul 2020 11:58

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0722SBS01

Tot Ion: 76 Resp: 125443
 Ion Ratio Lower Upper
 76 100
 78 32.9 26.0 39.0

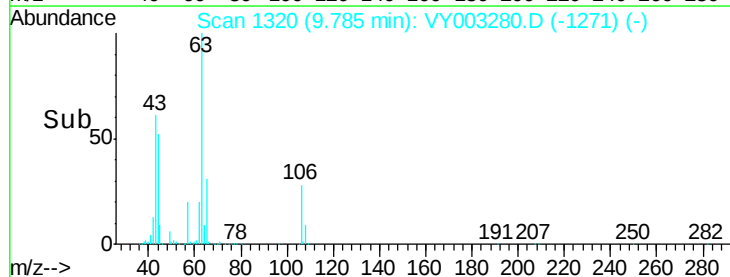
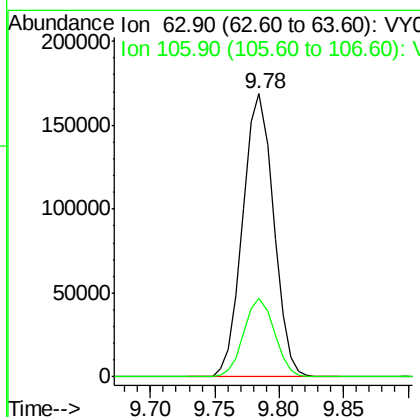
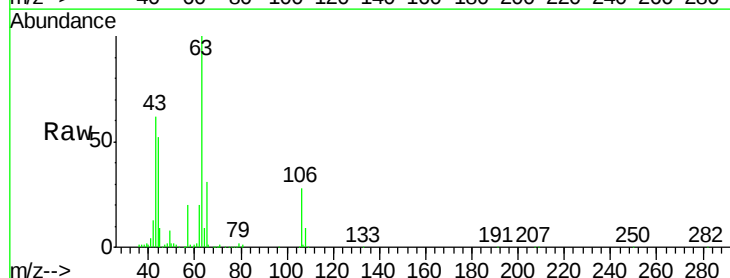
Manual Integrations
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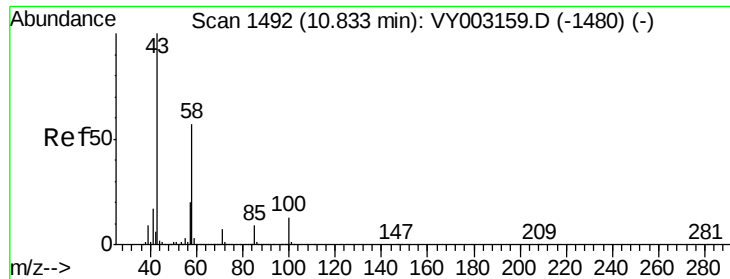
MMDadoda
 7/23/2020 12:22:55 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 116.763 ug/l
 RT: 9.78 min Scan# 1320
 Delta R.T. 0.00 min
 Lab File: VY003280.D
 Acq: 22 Jul 2020 11:58

Tgt Ion: 63 Resp: 280468
 Ion Ratio Lower Upper
 63 100
 106 27.6 22.9 34.3





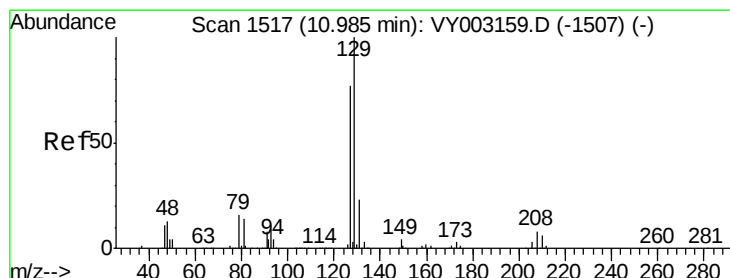
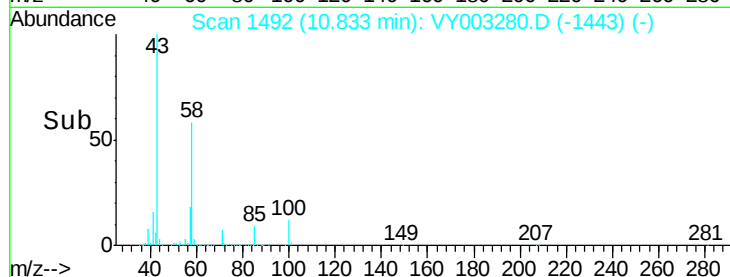
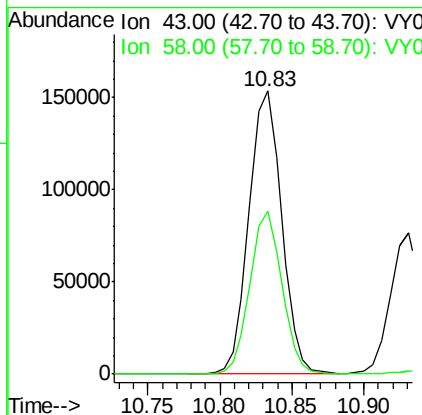
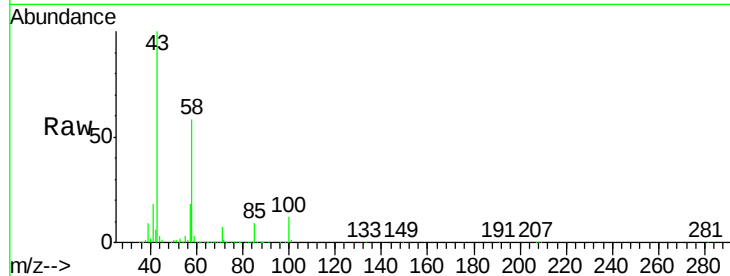
#59
2-Hexanone
Concen: 108.911 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VY003280.D
Acq: 22 Jul 2020 11:58

Instrument :
MSVOA_Y
ClientSampleId :
VY0722SBS01

Tot Ion: 43 Resp: 242003
Ion Ratio Lower Upper
43 100
58 56.2 28.3 85.0

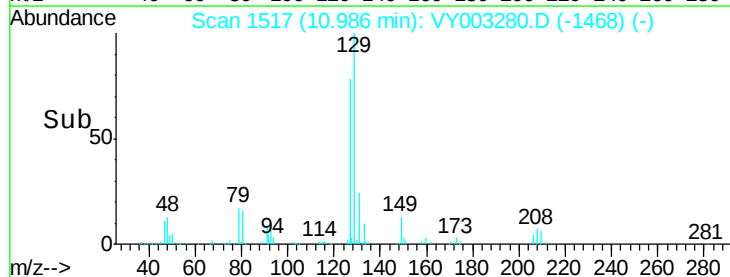
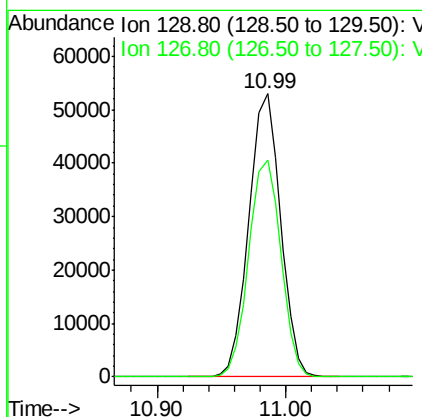
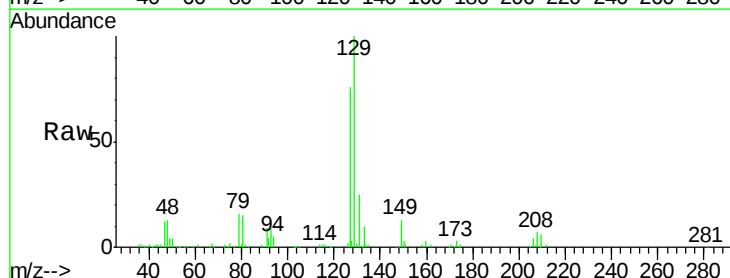
Manual Integrations
APPROVED

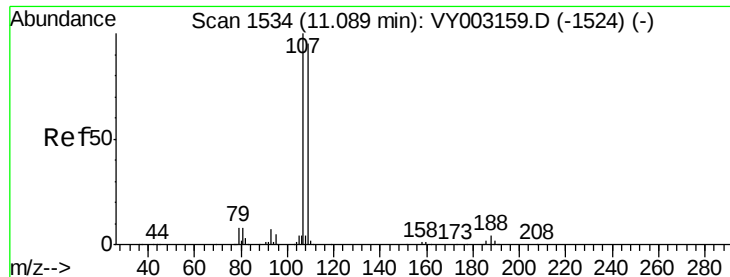
MMDadoda
7/23/2020 12:22:55 PM



#60
Dibromochloromethane
Concen: 20.686 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VY003280.D
Acq: 22 Jul 2020 11:58

Tgt Ion: 129 Resp: 90133
Ion Ratio Lower Upper
129 100
127 77.6 38.5 115.5





#61

1,2-Dibromoethane

Concen: 20.294 ug/l

RT: 11.09 min Scan# 1534

Delta R.T. 0.00 min

Lab File: VY003280.D

Acq: 22 Jul 2020 11:58

Instrument :

MSVOA_Y

ClientSampleId :

VY0722SBS01

Tot Ion:107 Resp: 69387

Ion Ratio Lower Upper

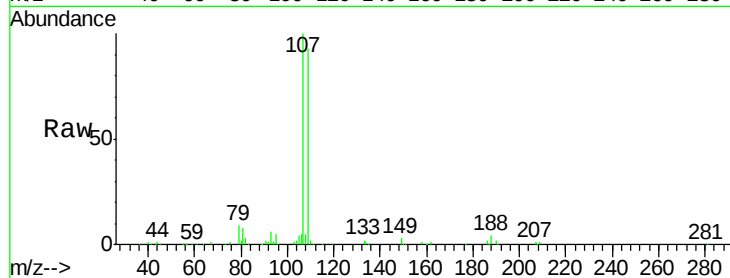
107 100

109 94.5 75.6 113.4

Manual Integrations
APPROVED

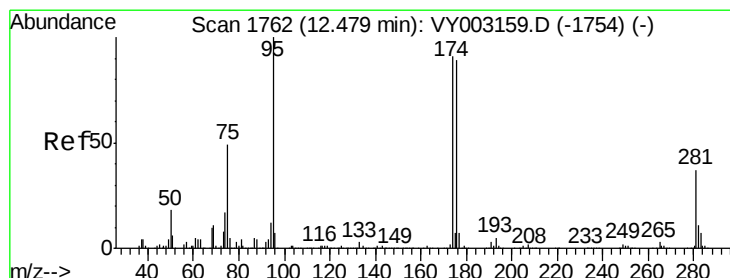
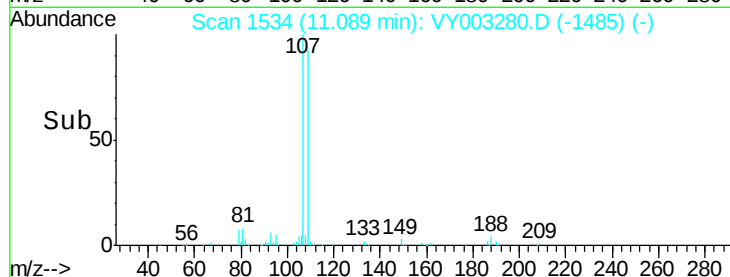
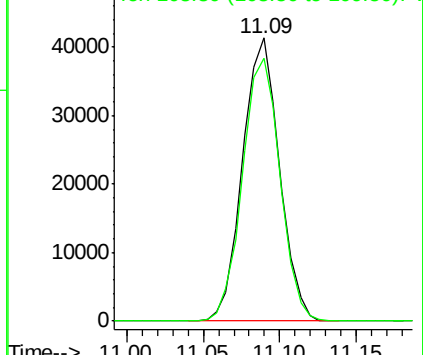
MMDadoda

7/23/2020 12:22:55 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 46.869 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY003280.D

Acq: 22 Jul 2020 11:58

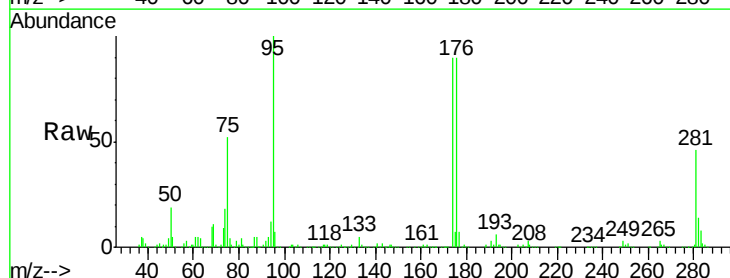
Tgt Ion: 95 Resp: 234822

Ion Ratio Lower Upper

95 100

174 94.6 0.0 190.6

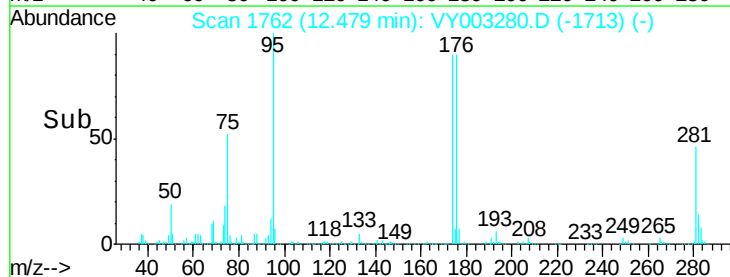
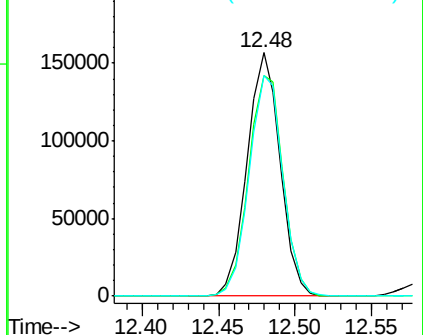
176 92.7 0.0 186.4



Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





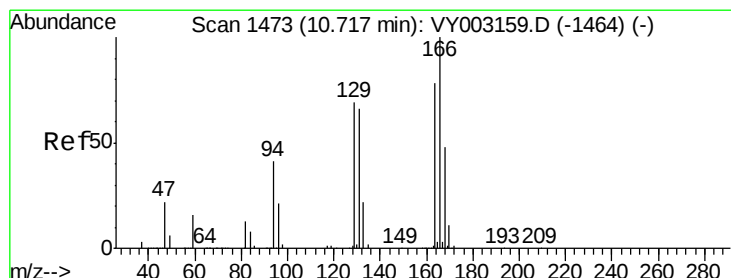
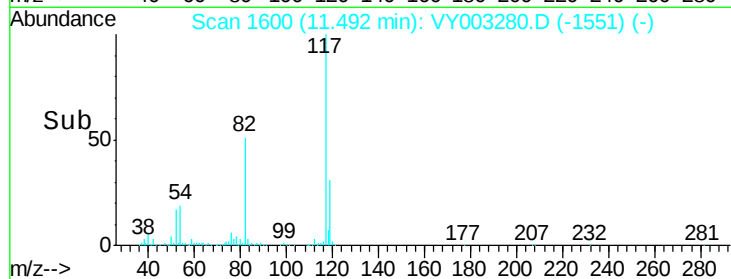
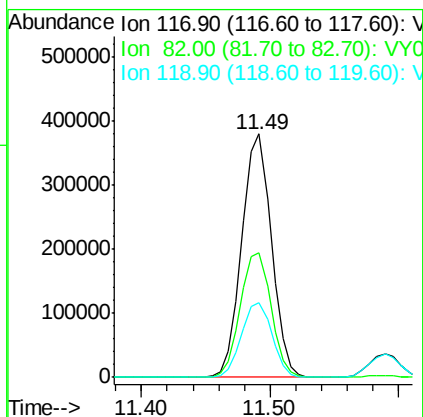
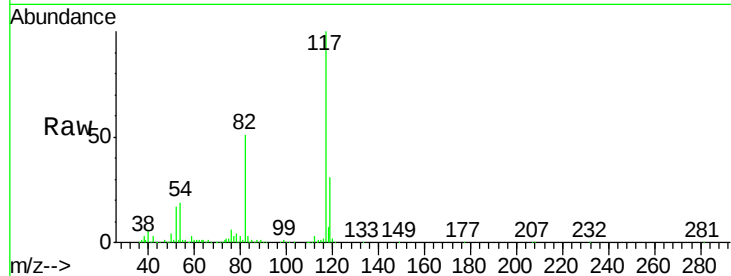
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY003280.D
Acq: 22 Jul 2020 11:58

Instrument :
MSVOA_Y
ClientSampleId :
VY0722SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.2	42.0	63.0
119	30.8	25.5	38.3

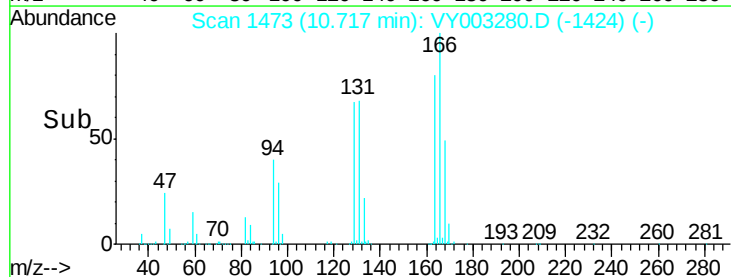
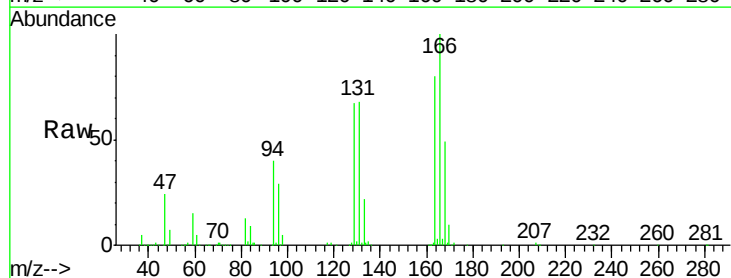
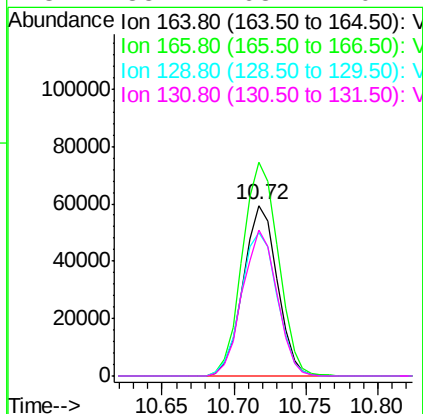
Manual Integrations
APPROVED

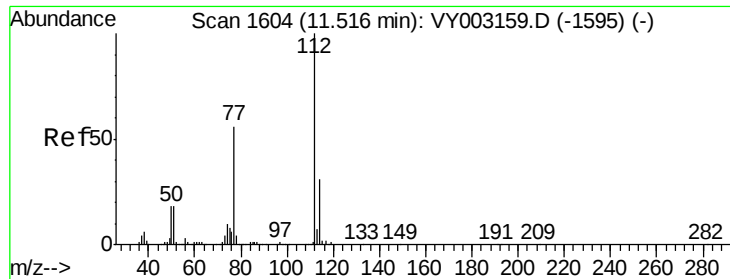
MMDadoda
7/23/2020 12:22:55 PM



#64
Tetrachloroethene
Concen: 18.056 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VY003280.D
Acq: 22 Jul 2020 11:58

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.3	102.9	154.3
129	84.4	71.4	107.2
131	85.4	68.1	102.1





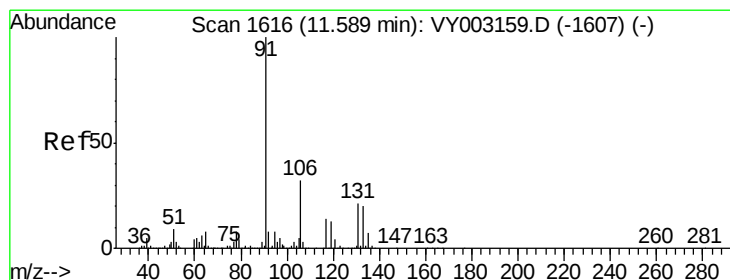
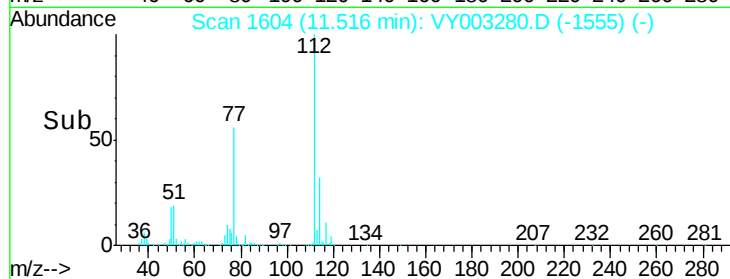
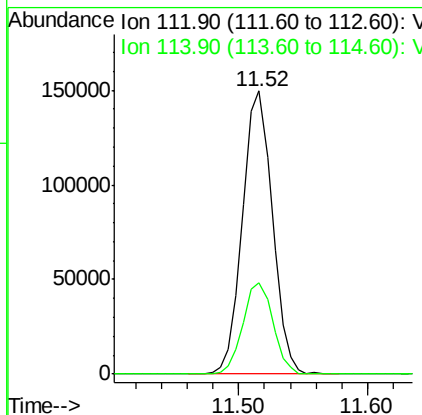
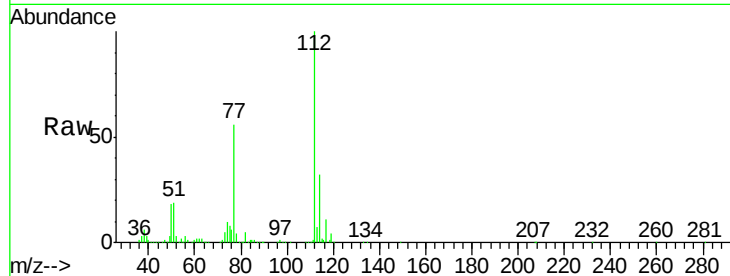
#65
Chlorobenzene
Concen: 20.591 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VY003280.D
Acq: 22 Jul 2020 11:58

Instrument :
MSVOA_Y
ClientSampleId :
VY0722SBS01

Tot Ion:112 Resp: 239977
Ion Ratio Lower Upper
112 100
114 32.2 24.7 37.1

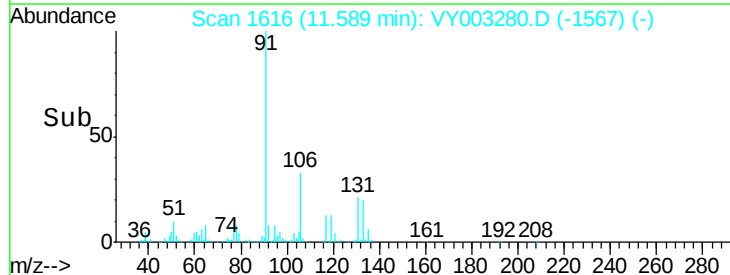
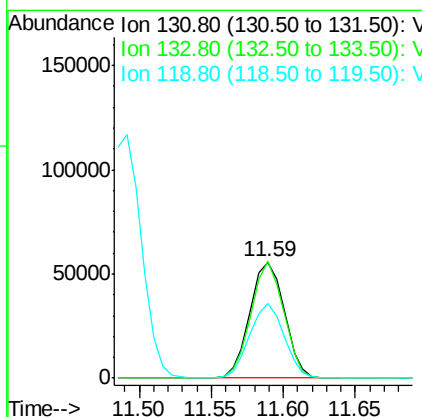
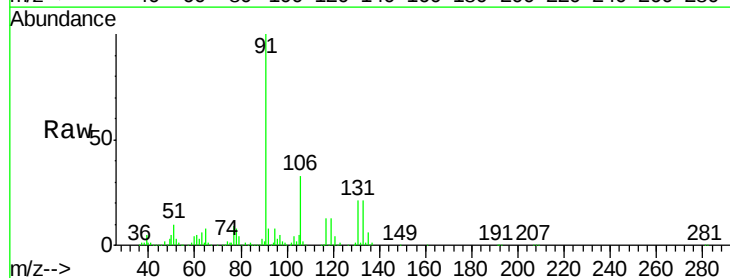
Manual Integrations
APPROVED

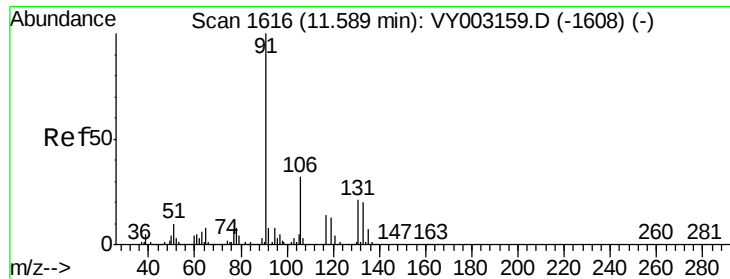
MMDadoda
7/23/2020 12:22:55 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.407 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VY003280.D
Acq: 22 Jul 2020 11:58

Tgt Ion:131 Resp: 92375
Ion Ratio Lower Upper
131 100
133 94.7 48.0 144.0
119 63.9 32.4 97.0





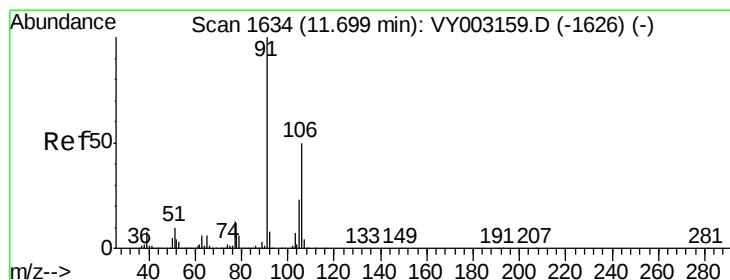
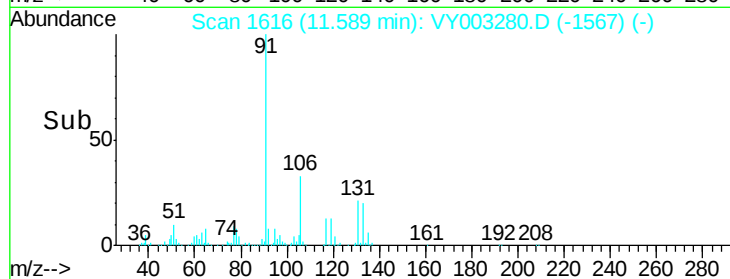
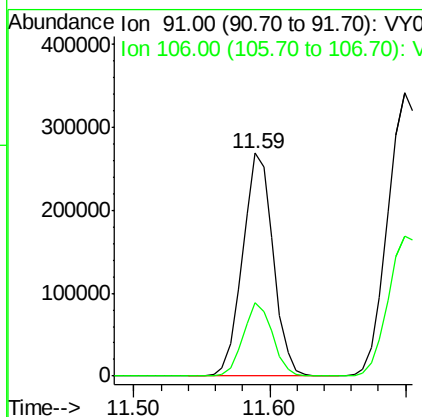
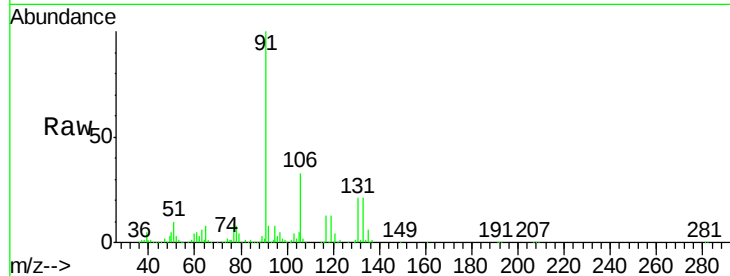
#67
Ethyl Benzene
Concen: 20.267 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VY003280.D
Acq: 22 Jul 2020 11:58

Instrument :
MSVOA_Y
ClientSampleId :
VY0722SBS01

Tot Ion: 91 Resp: 421734
Ion Ratio Lower Upper
91 100
106 33.0 25.5 38.3

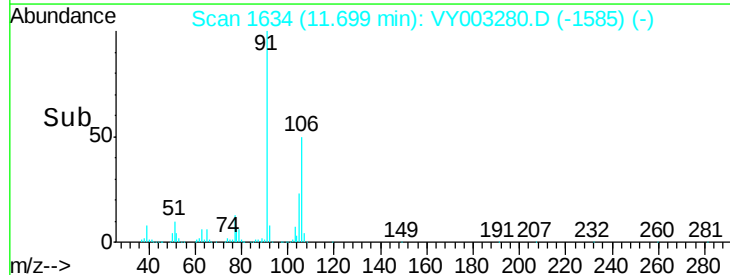
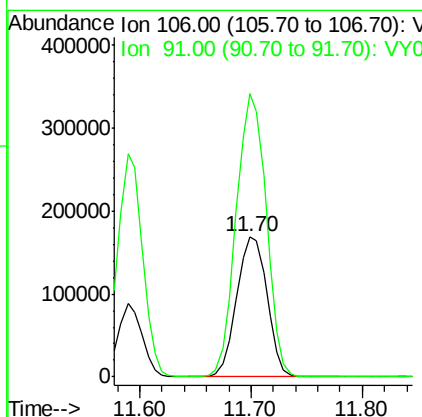
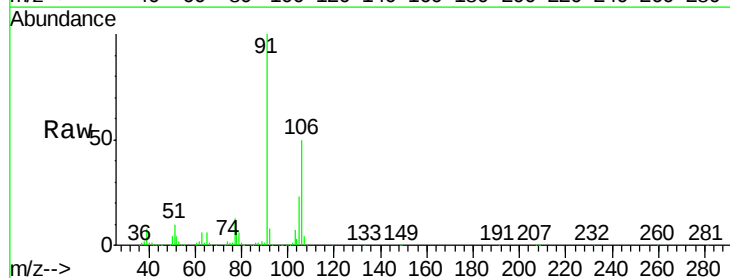
Manual Integrations
APPROVED

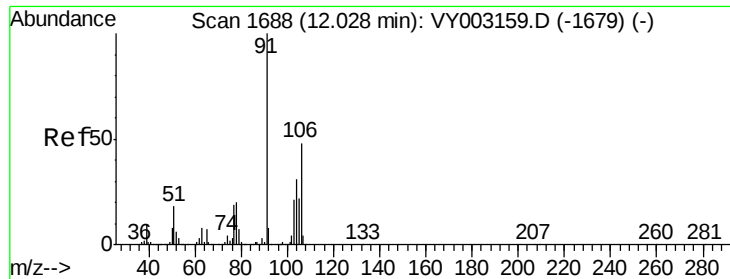
MMDadoda
7/23/2020 12:22:55 PM



#68
m/p-Xylenes
Concen: 40.688 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VY003280.D
Acq: 22 Jul 2020 11:58

Tgt Ion: 106 Resp: 321257
Ion Ratio Lower Upper
106 100
91 198.6 159.0 238.6





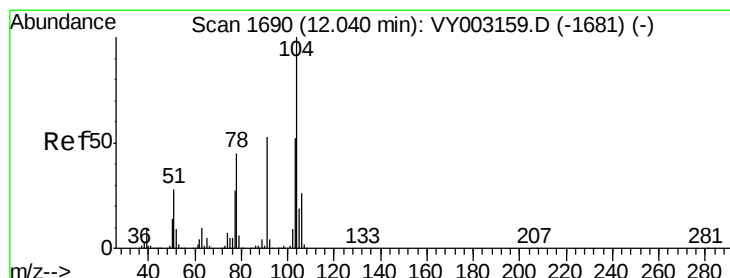
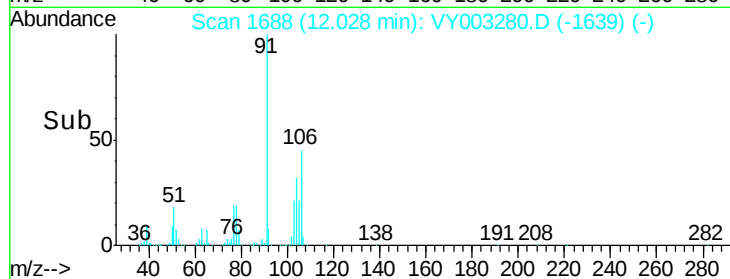
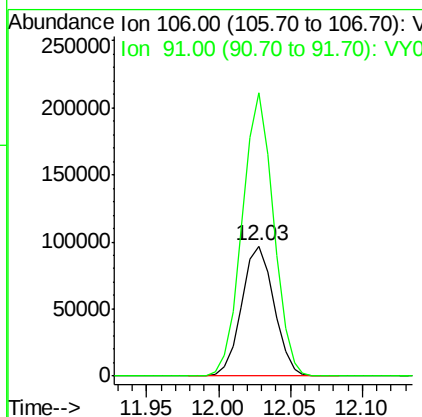
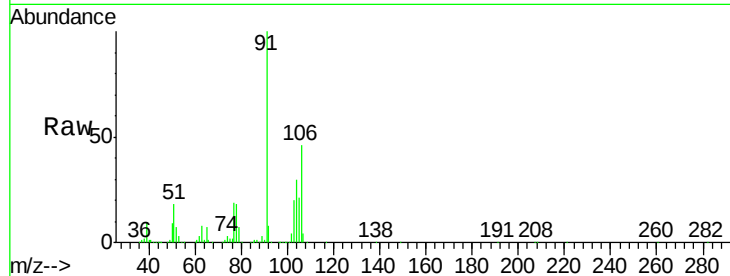
#69
o-Xylene
Concen: 20.463 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VY003280.D
Acq: 22 Jul 2020 11:58

Instrument :
MSVOA_Y
ClientSampleId :
VY0722SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		150937		
91	210.5	105.1	315.1		

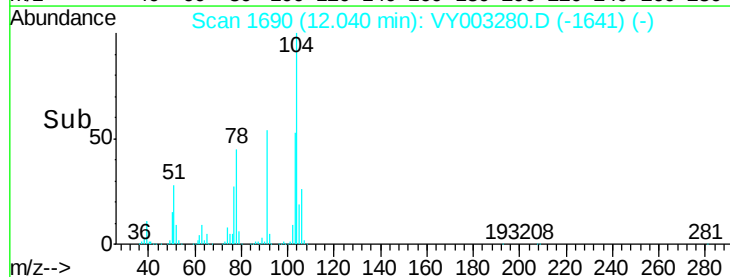
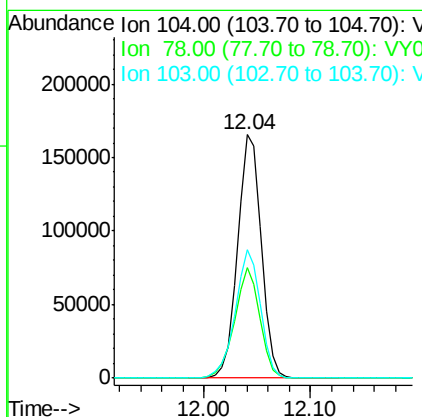
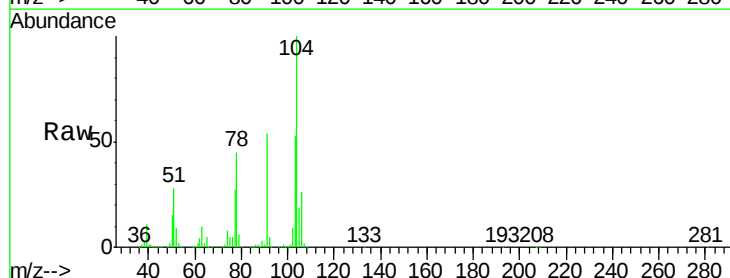
Manual Integrations
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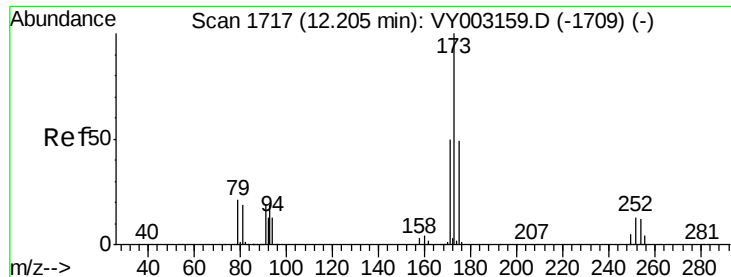
MMDadoda
7/23/2020 12:22:55 PM



#70
Styrene
Concen: 20.543 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VY003280.D
Acq: 22 Jul 2020 11:58

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		259220		
78	48.2	38.5	57.7		
103	55.8	43.9	65.9		





#71

Bromoform

Concen: 20.260 ug/l

RT: 12.20 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VY003280.D

Acq: 22 Jul 2020 11:58

Instrument :

MSVOA_Y

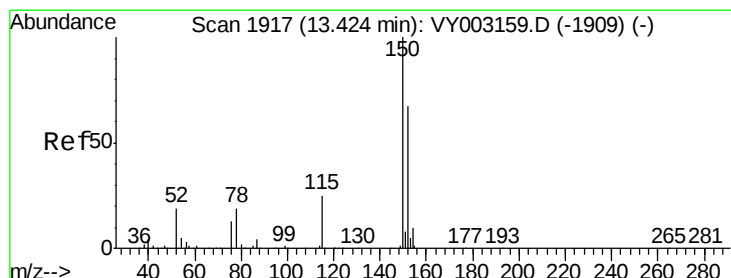
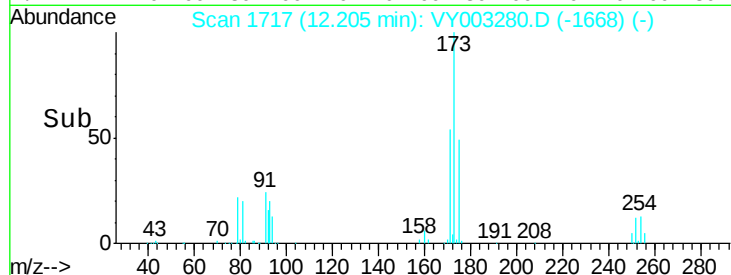
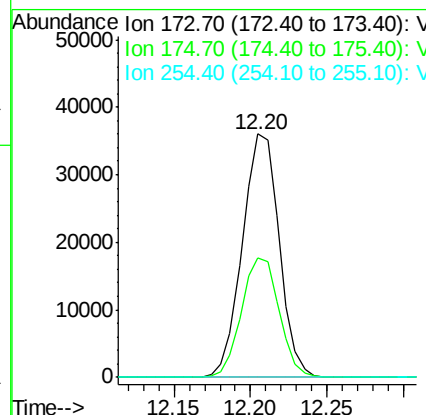
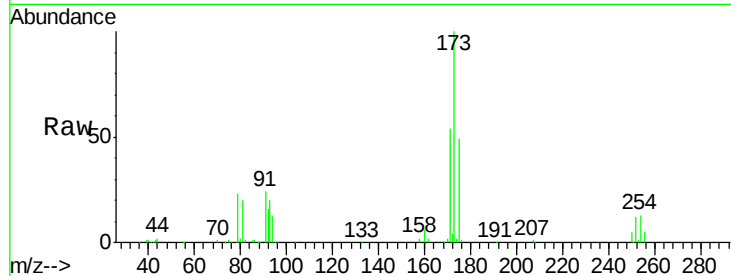
ClientSampleId :

VY0722SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.0	24.3	73.0
254	0.0	0.2	0.2

Manual Integrations
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7/23/2020 12:22:55 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

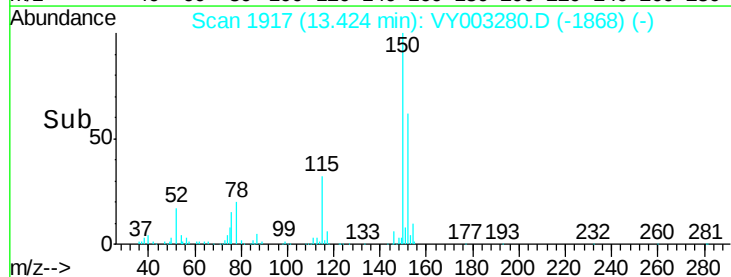
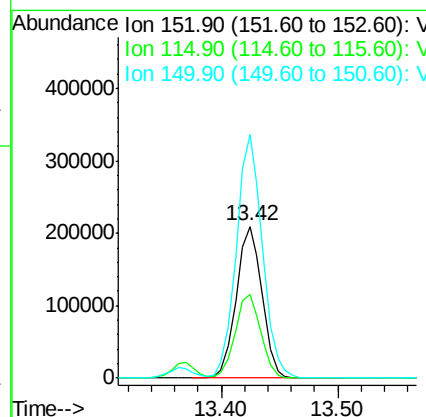
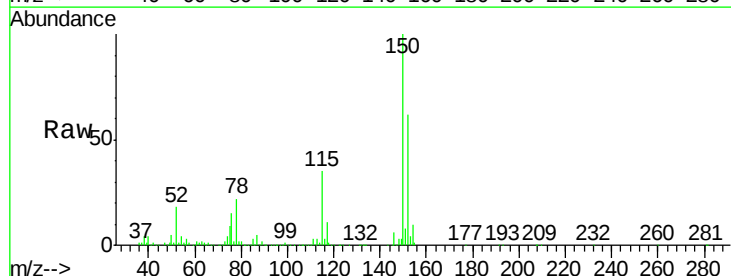
RT: 13.42 min Scan# 1917

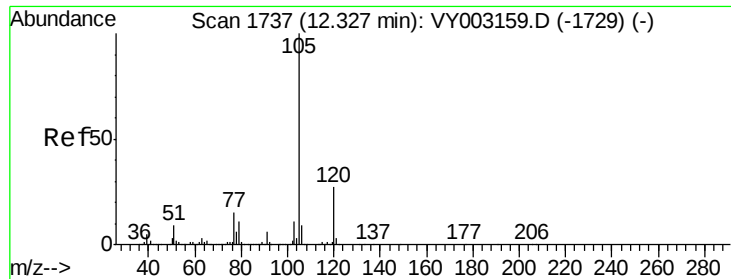
Delta R.T. 0.00 min

Lab File: VY003280.D

Acq: 22 Jul 2020 11:58

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.7	26.9	80.7
150	163.8	0.0	338.0





#73

Isopropylbenzene

Concen: 20.117 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VY003280.D

Acq: 22 Jul 2020 11:58

Instrument :

MSVOA_Y

ClientSampleId :

VY0722SBS01

Tot Ion:105 Resp: 410381

Ion Ratio Lower Upper

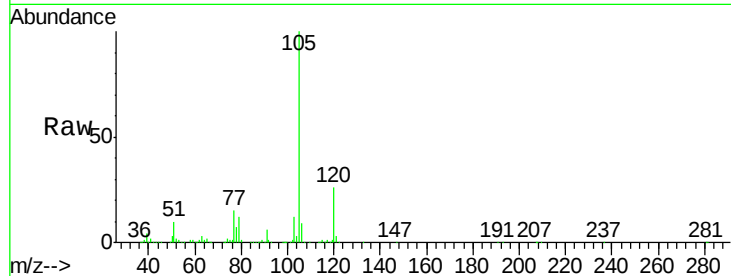
105 100

120 26.6 13.4 40.2

Manual Integrations
APPROVED

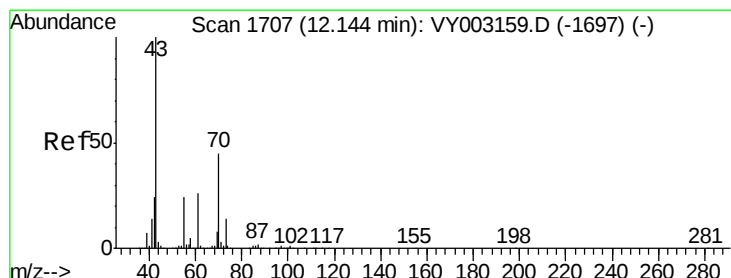
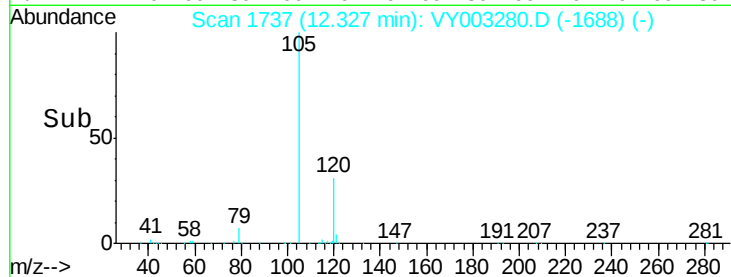
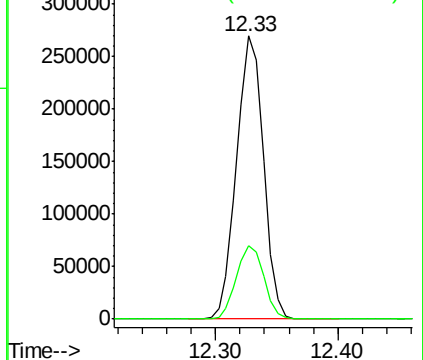
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.255 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VY003280.D

Acq: 22 Jul 2020 11:58

Tgt Ion: 43 Resp: 121664

Ion Ratio Lower Upper

43 100

70 43.9 35.6 53.4

55 24.7 19.4 29.2

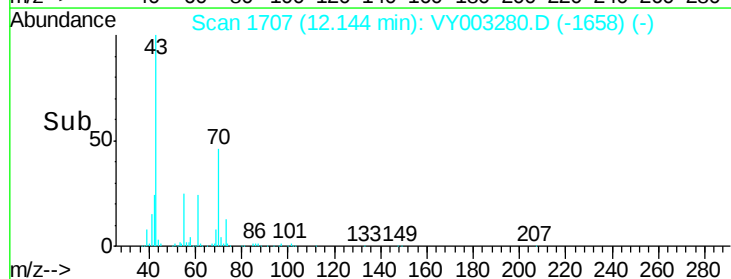
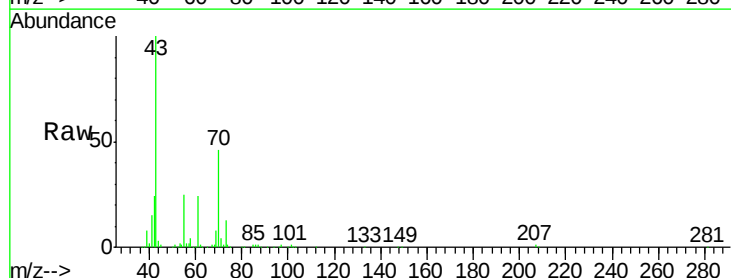
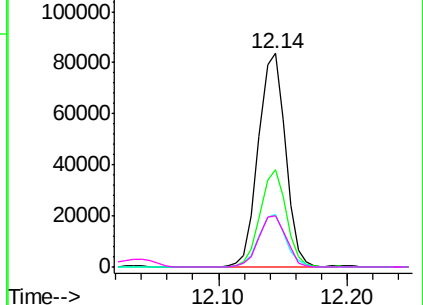
61 24.5 20.8 31.2

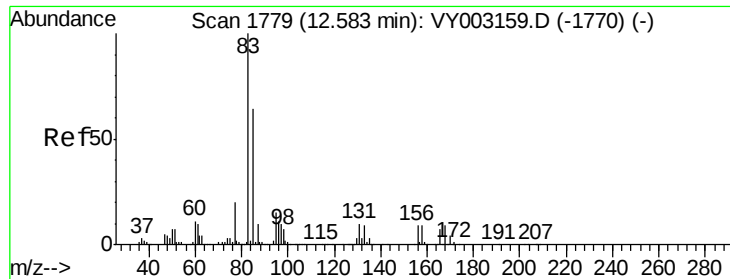
Abundance Ion 43.00 (42.70 to 43.70): VY0

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





#75

1,1,2,2-Tetrachloroethane

Concen: 21.284 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VY003280.D

Acq: 22 Jul 2020 11:58

Instrument :

MSVOA_Y

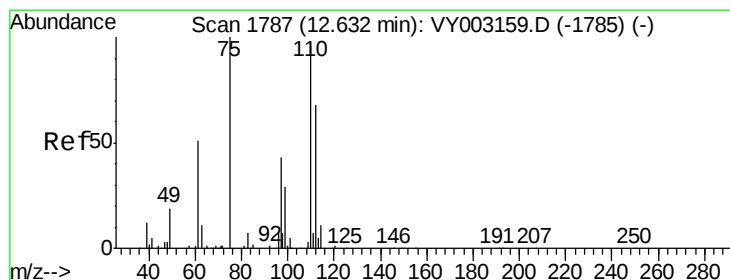
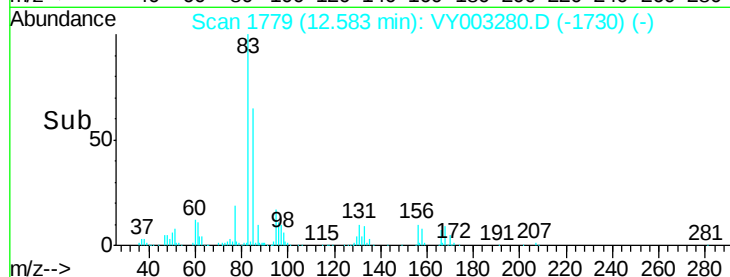
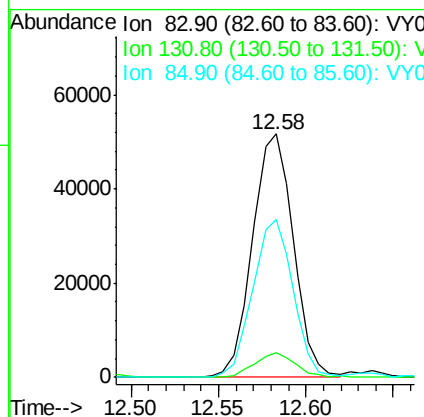
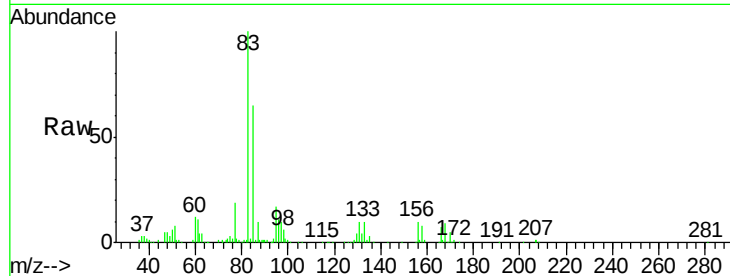
ClientSampleId :

VY0722SBS01

Tot Ion:	83	Resp:	83856
Ion Ratio	Lower	Upper	
83	100		
131	10.2	5.2	15.6
85	64.1	32.0	96.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 21.250 ug/l m

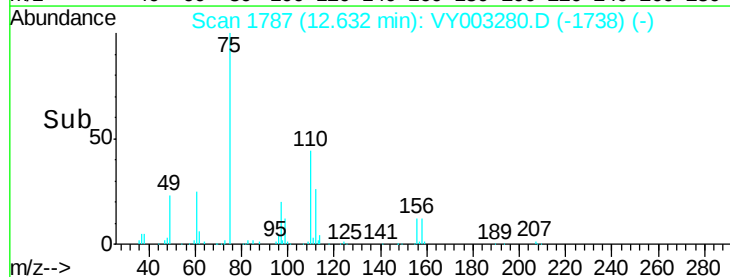
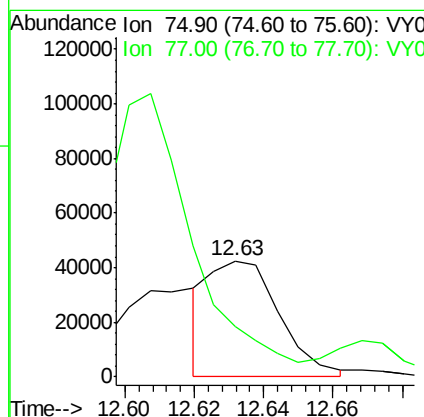
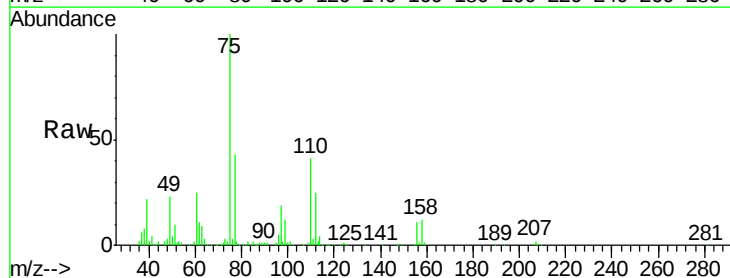
RT: 12.63 min Scan# 1787

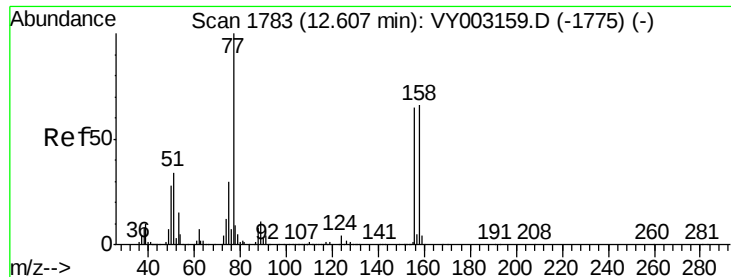
Delta R.T. 0.00 min

Lab File: VY003280.D

Acq: 22 Jul 2020 11:58

Tgt Ion:	75	Resp:	60212
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.461 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VY003280.D

Acq: 22 Jul 2020 11:58

Instrument :

MSVOA_Y

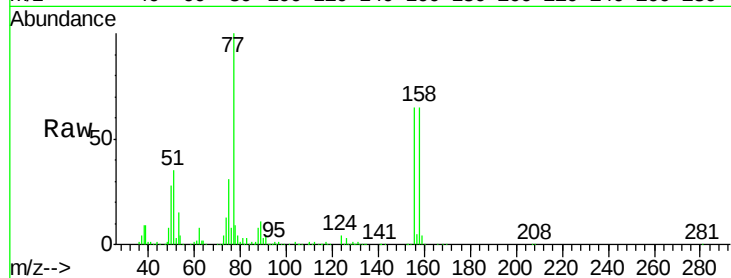
ClientSampleId :

VY0722SBS01

Tot Ion:	156	Resp:	106396
Ion Ratio	Lower	Upper	
156	100		
77	175.0	86.6	259.7
158	97.4	49.4	148.0

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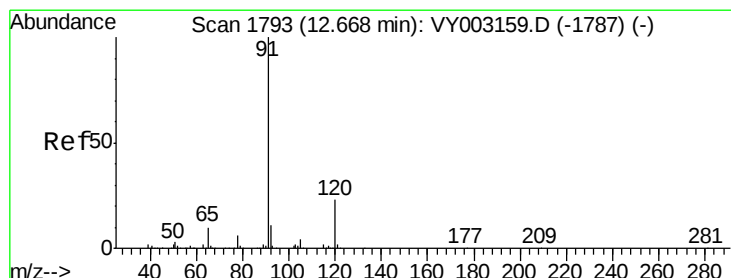
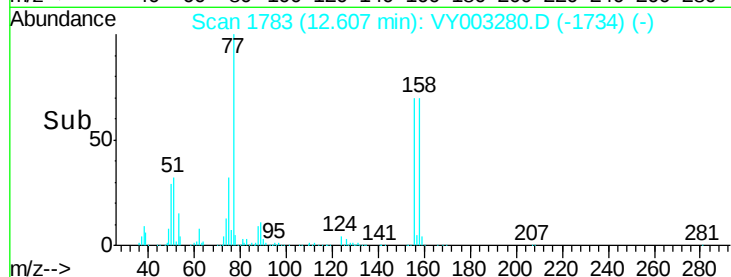
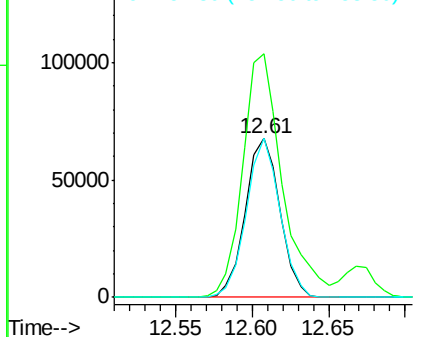
MMDadoda
7/23/2020 12:22:55 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.574 ug/l

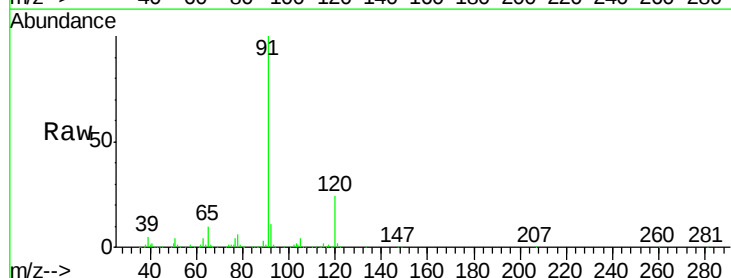
RT: 12.67 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VY003280.D

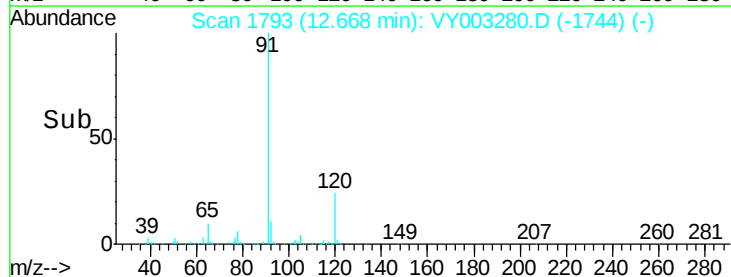
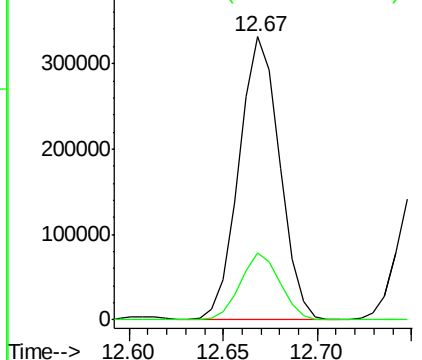
Acq: 22 Jul 2020 11:58

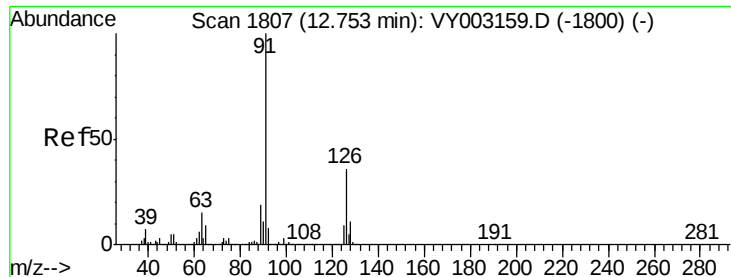
Tgt Ion:	91	Resp:	494721
Ion Ratio	Lower	Upper	
91	100		
120	23.2	11.7	35.1



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.504 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VY003280.D

Acq: 22 Jul 2020 11:58

Instrument :

MSVOA_Y

ClientSampleId :

VY0722SBS01

Tot Ion: 91 Resp: 275087

Ion Ratio Lower Upper

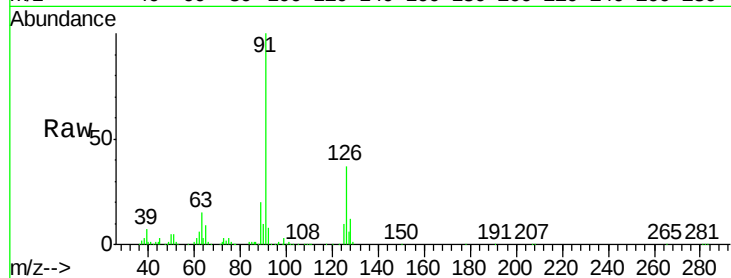
91 100

126 35.6 17.6 52.9

Manual Integrations
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7/23/2020 12:22:55 PM



Abundance Ion 91.00 (90.70 to 91.70): VY003159.D (-1800) (-)

Ion 125.90 (125.60 to 126.60): VY003159.D (-1800) (-)

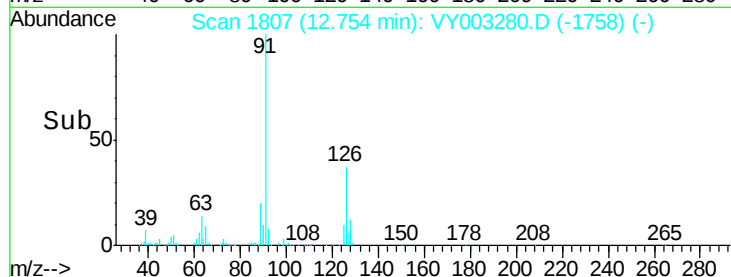
300000

200000

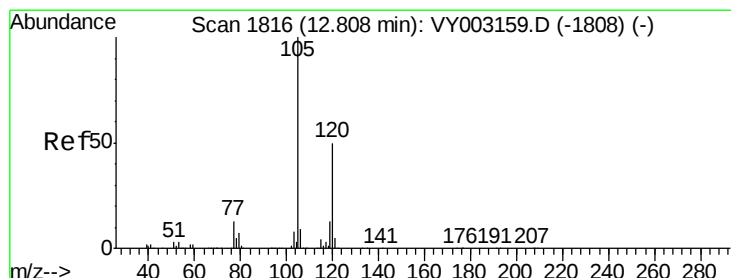
100000

0

12.70 12.75 12.80



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.537 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. 0.00 min

Lab File: VY003280.D

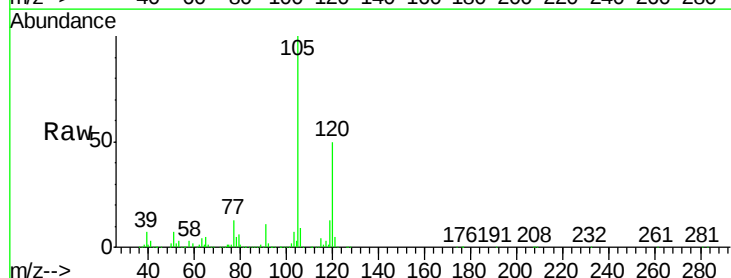
Acq: 22 Jul 2020 11:58

Tgt Ion: 105 Resp: 349177

Ion Ratio Lower Upper

105 100

120 49.4 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): VY003159.D (-1808) (-)

Ion 120.00 (119.70 to 120.70): VY003159.D (-1808) (-)

250000

200000

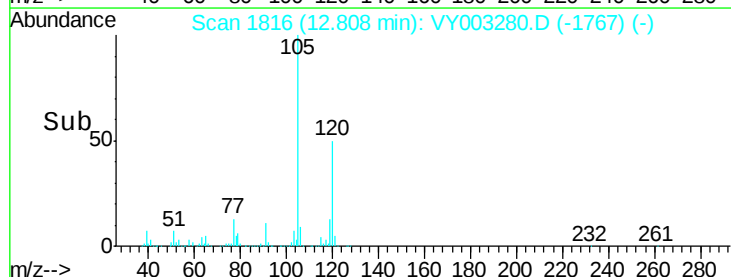
150000

100000

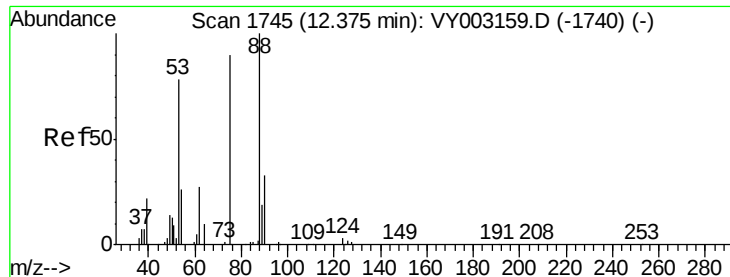
50000

0

12.75 12.80 12.85



Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 20.871 ug/l

RT: 12.38 min Scan# 1745

Delta R.T. 0.00 min

Lab File: VY003280.D

Acq: 22 Jul 2020 11:58

Instrument :

MSVOA_Y

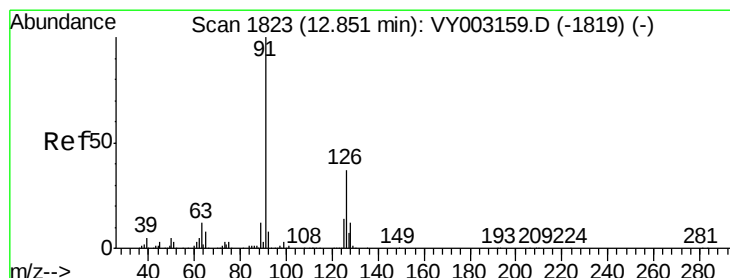
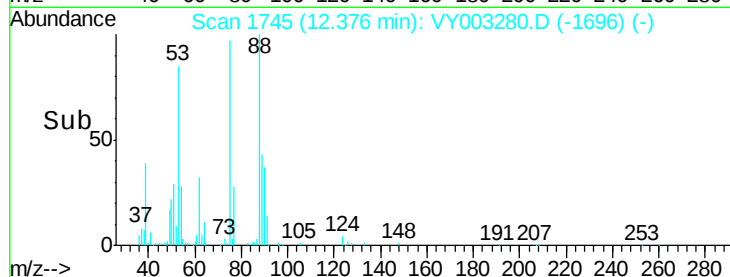
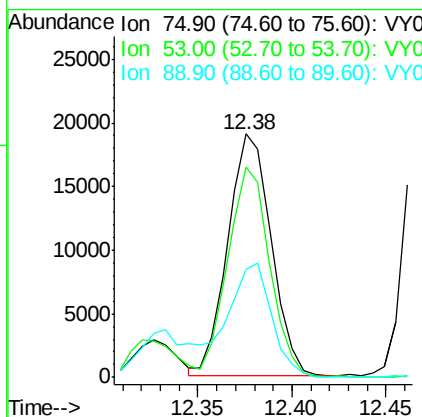
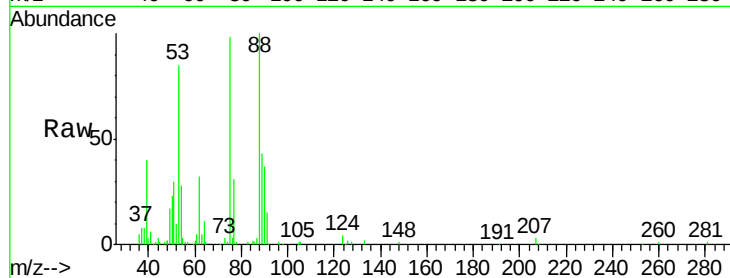
ClientSampleId :

VY0722SBS01

Tot Ion:	75	Resp:	30387
Ion	Ratio	Lower	Upper
75	100		
53	83.8	72.0	108.0
89	47.8	37.3	55.9

Manual Integrations
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7/23/2020 12:22:55 PM



#82

4-Chlorotoluene

Concen: 20.730 ug/l

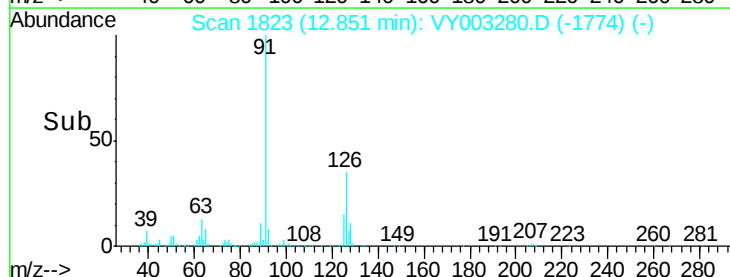
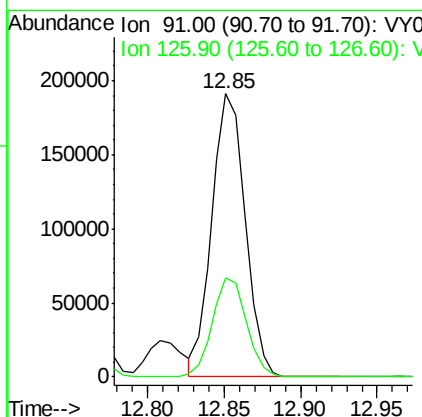
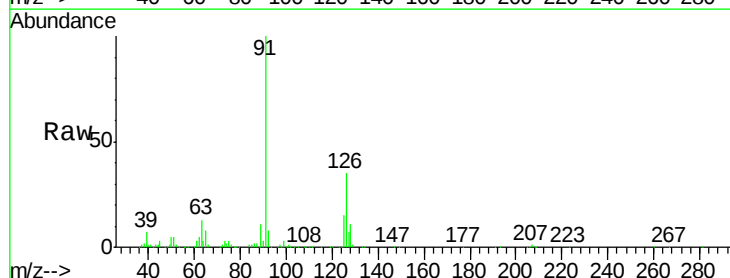
RT: 12.85 min Scan# 1823

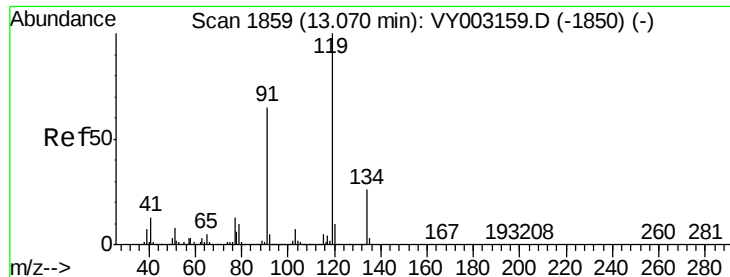
Delta R.T. 0.00 min

Lab File: VY003280.D

Acq: 22 Jul 2020 11:58

Tgt Ion:	91	Resp:	290291
Ion	Ratio	Lower	Upper
91	100		
126	35.9	17.9	53.7





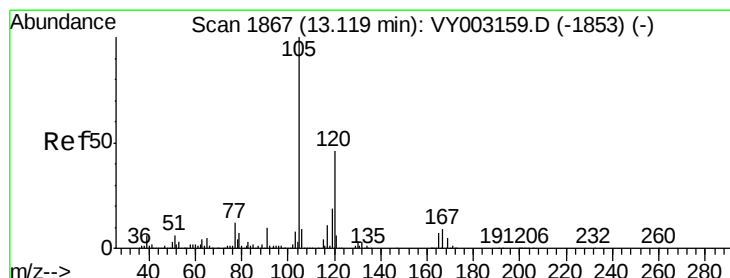
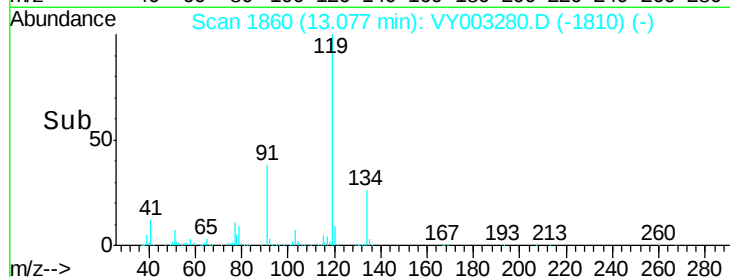
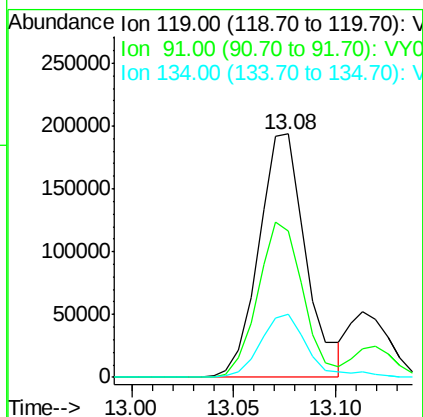
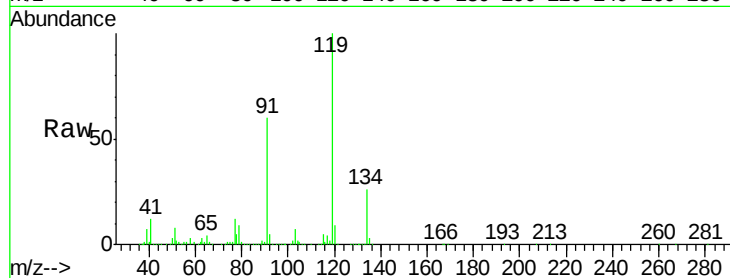
#83
tert-Butylbenzene
Concen: 20.727 ug/l
RT: 13.08 min Scan# 1860
Delta R.T. 0.01 min
Lab File: VY003280.D
Acq: 22 Jul 2020 11:58

Instrument :
MSVOA_Y
ClientSampleId :
VY0722SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.5	30.8	92.4
134	26.2	13.2	39.6

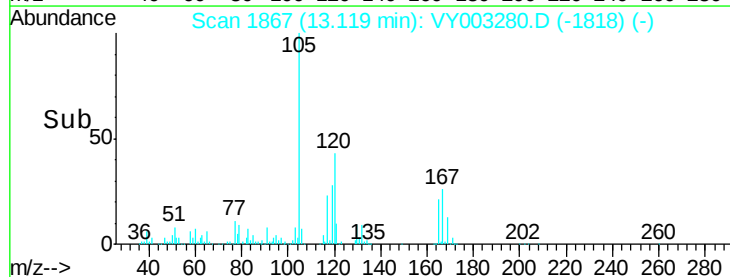
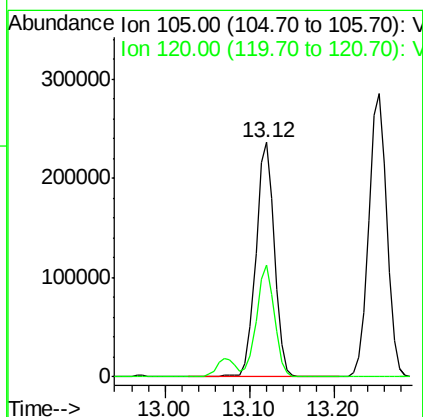
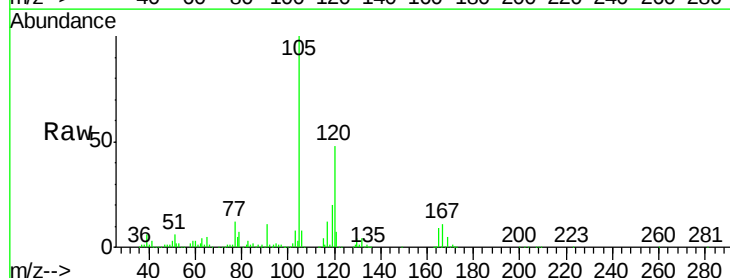
Manual Integrations
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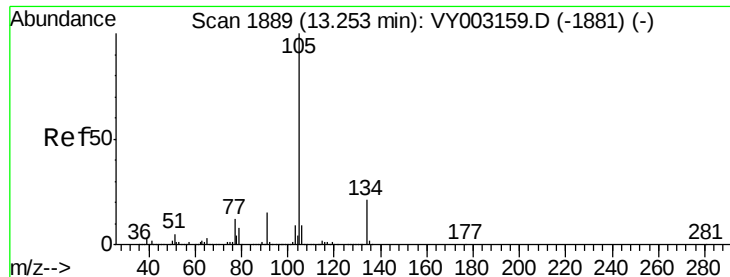
MMDadoda
7/23/2020 12:22:55 PM



#84
1,2,4-Trimethylbenzene
Concen: 20.556 ug/l
RT: 13.12 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VY003280.D
Acq: 22 Jul 2020 11:58

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.5	22.5	67.5





#85

sec-Butylbenzene

Concen: 20.646 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. 0.00 min

Lab File: VY003280.D

Acq: 22 Jul 2020 11:58

Instrument :

MSVOA_Y

ClientSampleId :

VY0722SBS01

Tot Ion:105 Resp: 425703

Ion Ratio Lower Upper

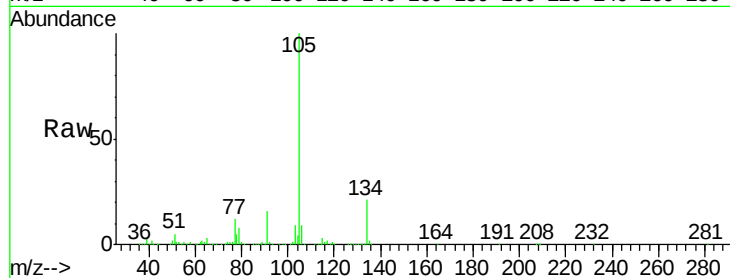
105 100

134 20.7 10.4 31.4

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.25

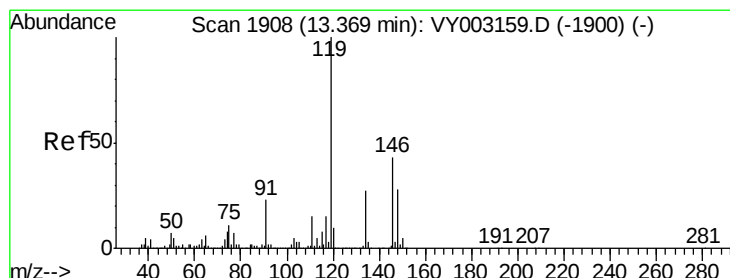
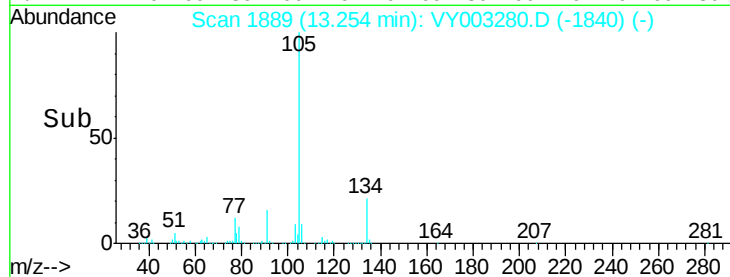
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 20.334 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. 0.00 min

Lab File: VY003280.D

Acq: 22 Jul 2020 11:58

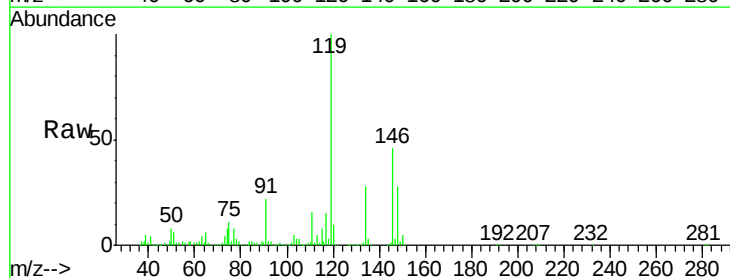
Tgt Ion:119 Resp: 391492

Ion Ratio Lower Upper

119 100

134 27.0 13.4 40.2

91 22.3 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

13.37

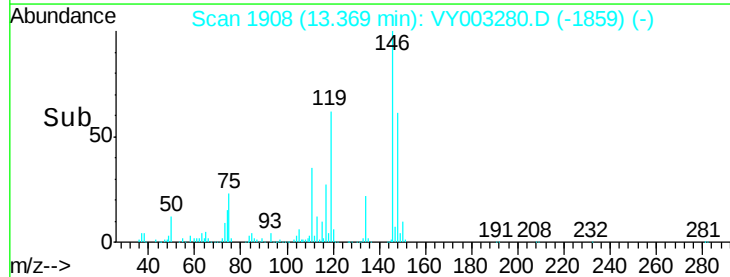
300000

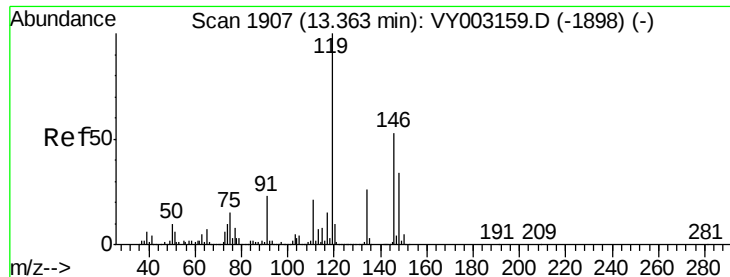
200000

100000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 20.779 ug/l

RT: 13.36 min Scan# 1907

Delta R.T. 0.00 min

Lab File: VY003280.D

Acq: 22 Jul 2020 11:58

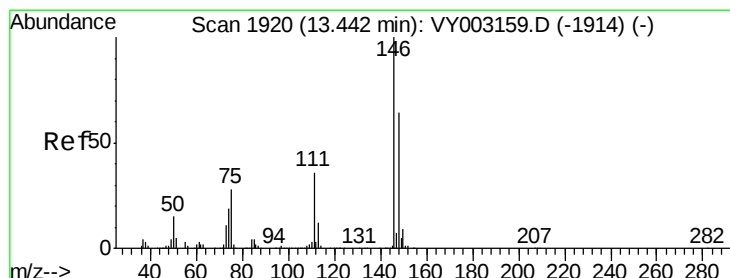
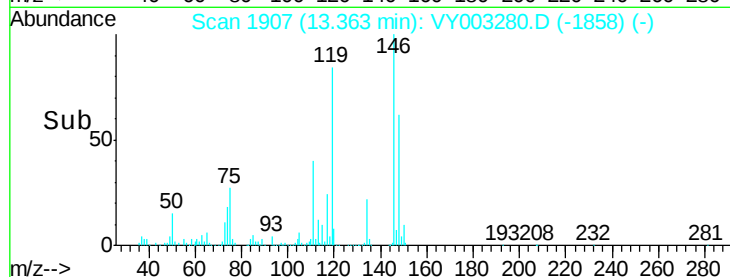
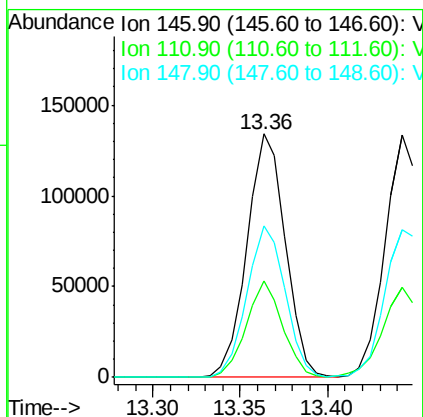
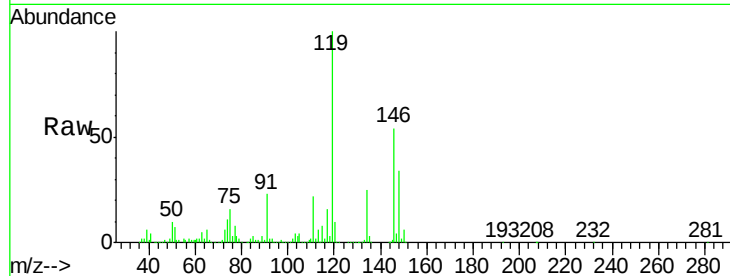
Instrument :
MSVOA_Y

ClientSampleId :
VY0722SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.8	56.3
148	62.1	32.3	96.9

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 20.704 ug/l

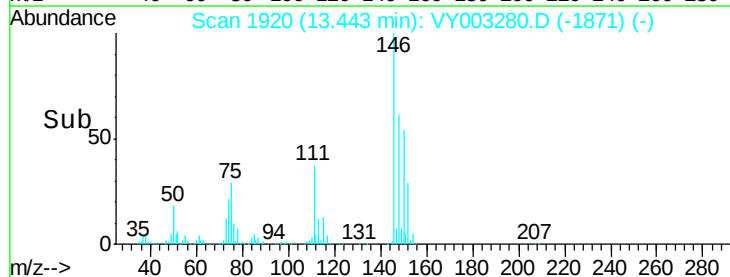
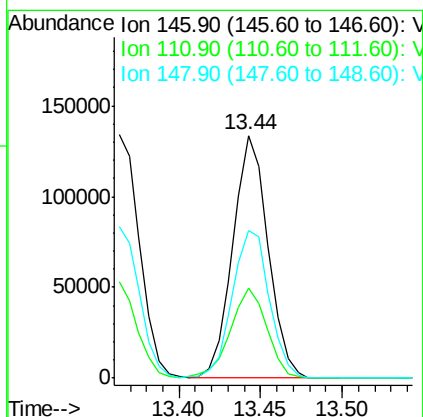
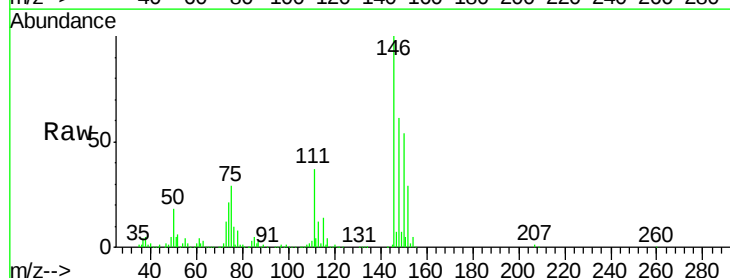
RT: 13.44 min Scan# 1920

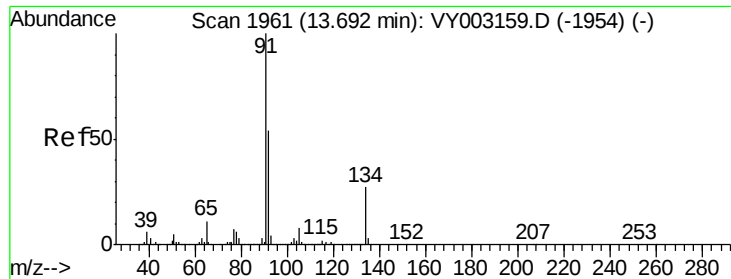
Delta R.T. 0.00 min

Lab File: VY003280.D

Acq: 22 Jul 2020 11:58

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	18.4	55.0
148	63.9	32.0	96.0





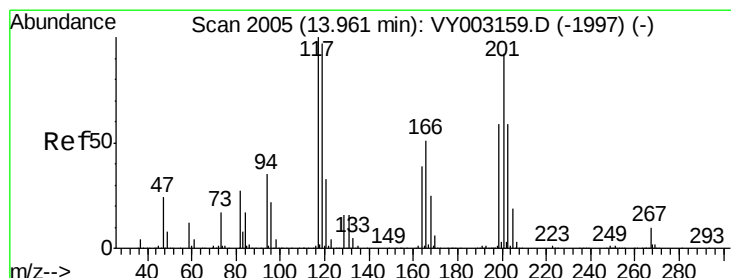
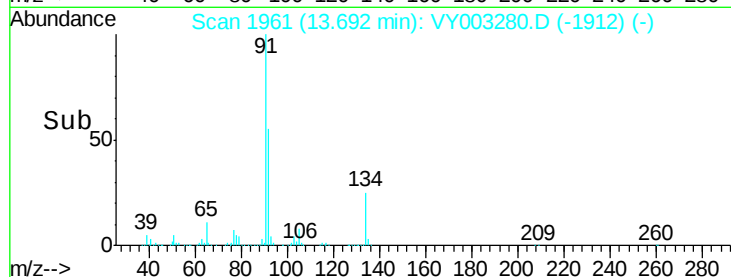
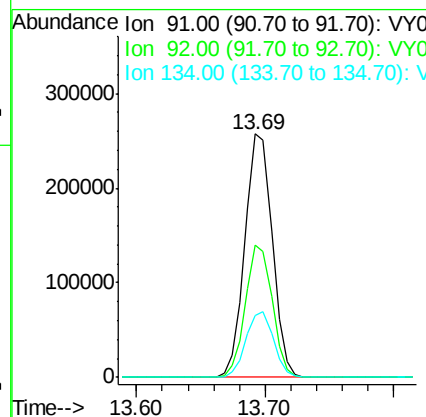
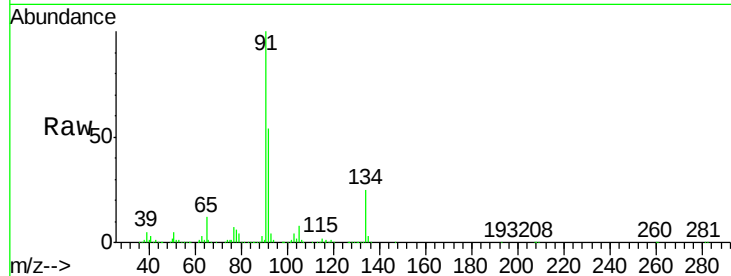
#89
n-Butylbenzene
Concen: 20.868 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. 0.00 min
Lab File: VY003280.D
Acq: 22 Jul 2020 11:58

Instrument :
MSVOA_Y
ClientSampleId :
VY0722SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	377906		
92	53.4		26.9	80.7
134	26.9		13.6	40.7

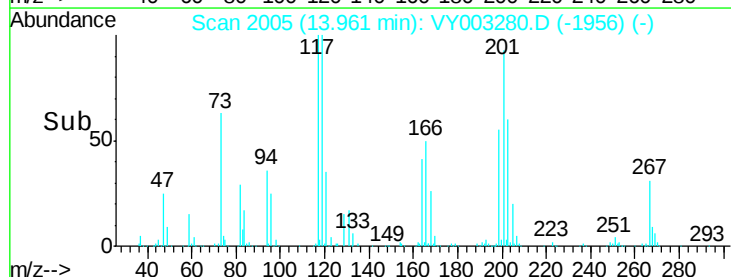
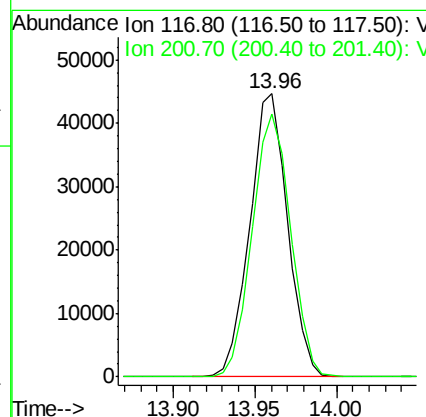
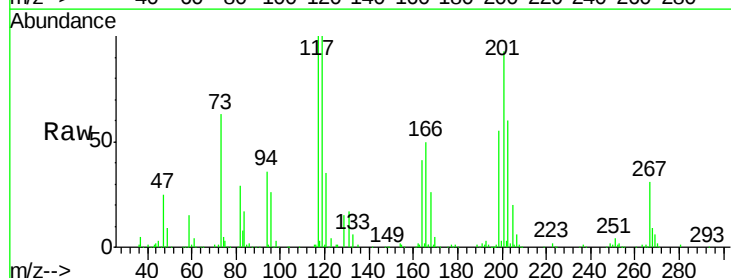
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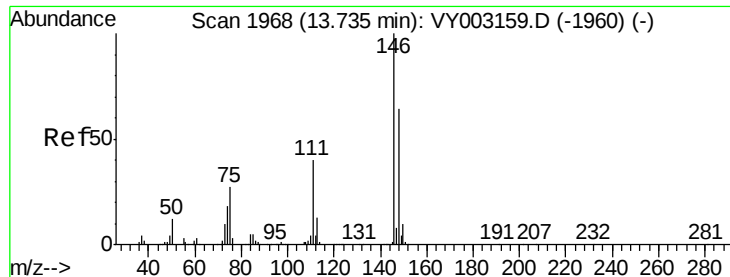
MMDadoda
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#90
Hexachloroethane
Concen: 20.549 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. 0.00 min
Lab File: VY003280.D
Acq: 22 Jul 2020 11:58

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	72048		
201	94.2		45.1	135.3





#91

1,2-Dichlorobenzene

Concen: 20.988 ug/l

RT: 13.74 min Scan# 1968

Delta R.T. 0.00 min

Lab File: VY003280.D

Acq: 22 Jul 2020 11:58

Instrument :

MSVOA_Y

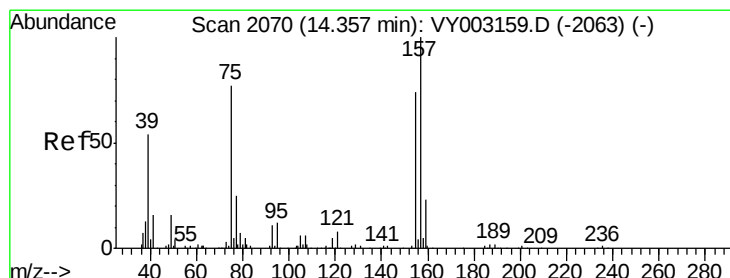
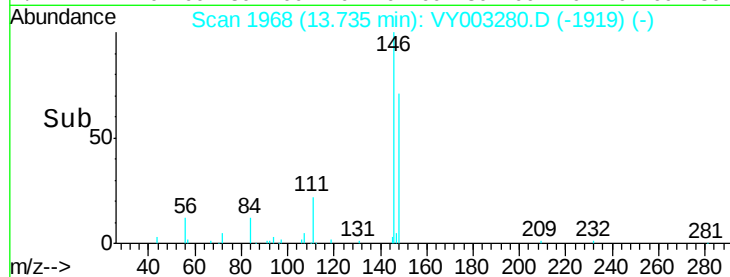
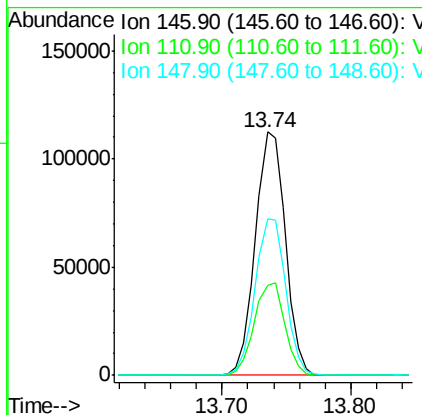
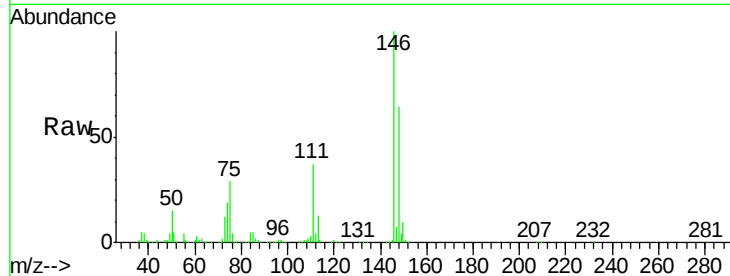
ClientSampleId :

VY0722SBS01

Tot Ion:	146	Resp:	181116
Ion Ratio	Lower	Upper	
146	100		
111	38.6	19.6	58.8
148	65.2	32.4	97.0

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 21.204 ug/l

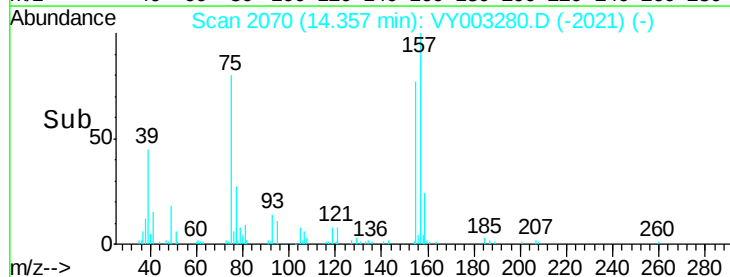
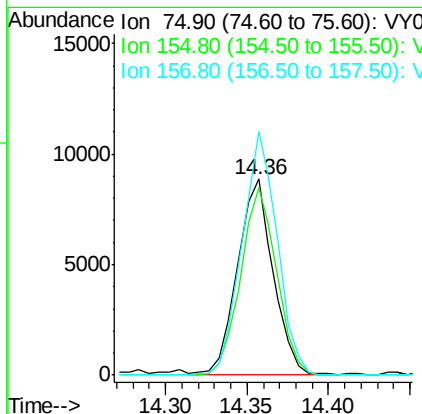
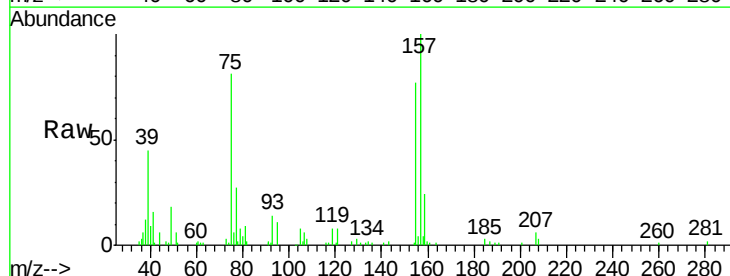
RT: 14.36 min Scan# 2070

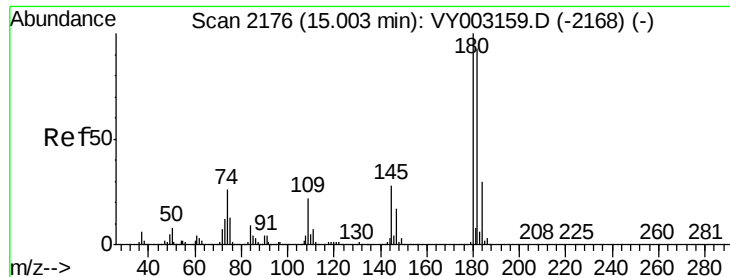
Delta R.T. 0.00 min

Lab File: VY003280.D

Acq: 22 Jul 2020 11:58

Tgt Ion:	75	Resp:	13544
Ion Ratio	Lower	Upper	
75	100		
155	95.8	48.1	144.3
157	122.0	61.9	185.6





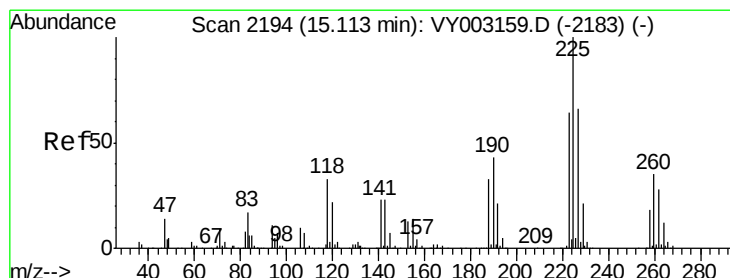
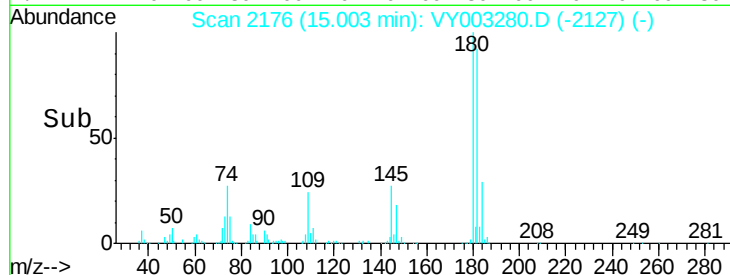
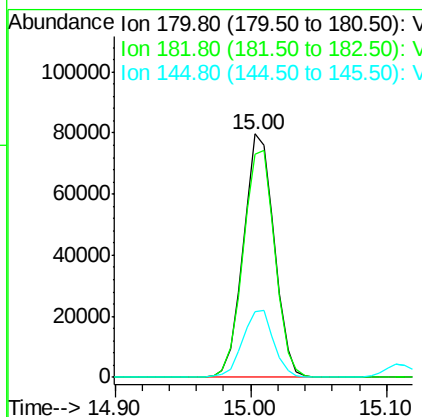
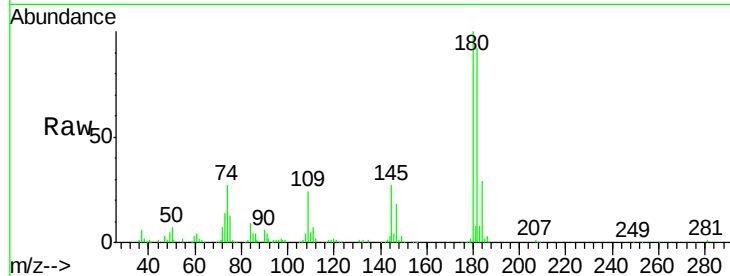
#93
 1,2,4-Trichlorobenzene
 Concen: 20.506 ug/l
 RT: 15.00 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VY003280.D
 Acq: 22 Jul 2020 11:58

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0722SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.4	47.3	142.0
145	27.8	13.7	41.1

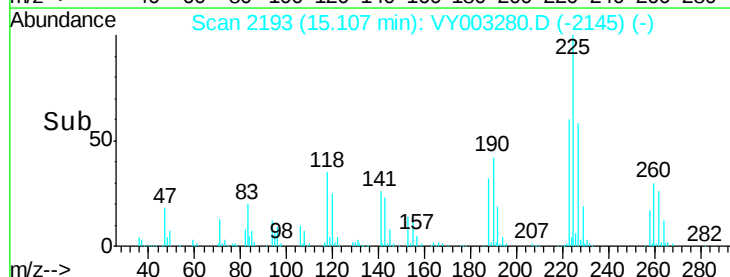
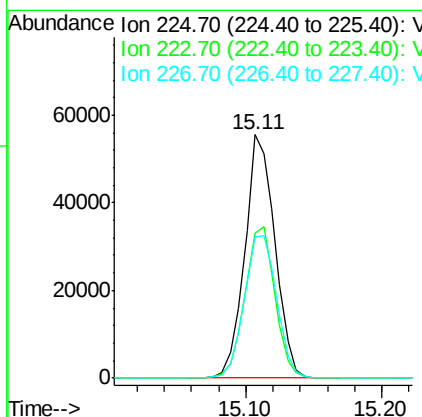
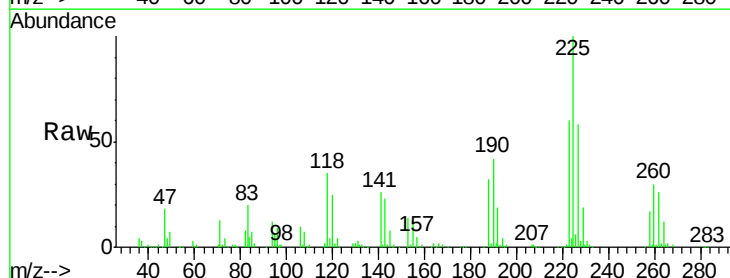
Manual Integrations
 APPROVED

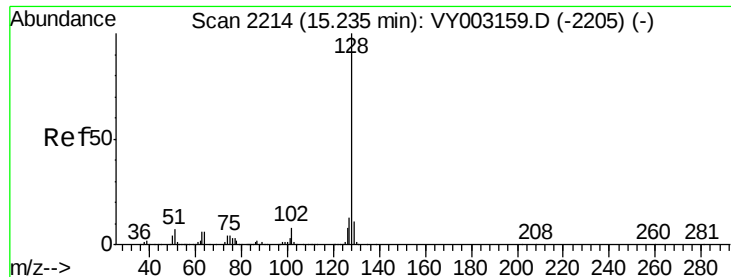
MMDadoda
 7/23/2020 12:22:55 PM



#94
 Hexachlorobutadiene
 Concen: 20.438 ug/l
 RT: 15.11 min Scan# 2193
 Delta R.T. -0.01 min
 Lab File: VY003280.D
 Acq: 22 Jul 2020 11:58

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.3	31.6	94.7
227	63.0	32.3	96.8





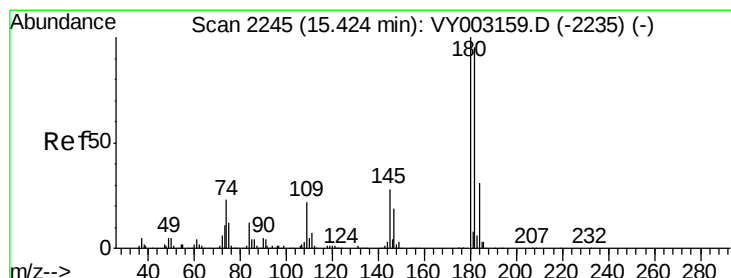
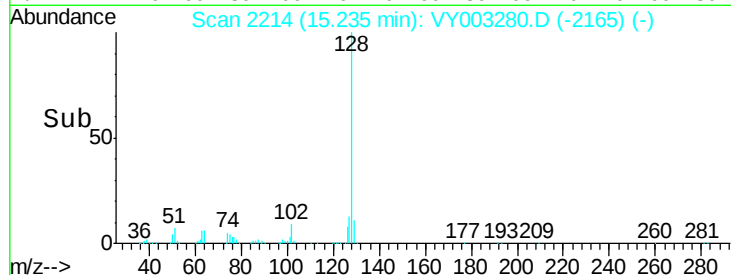
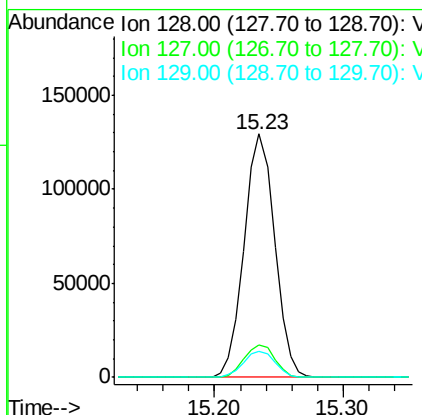
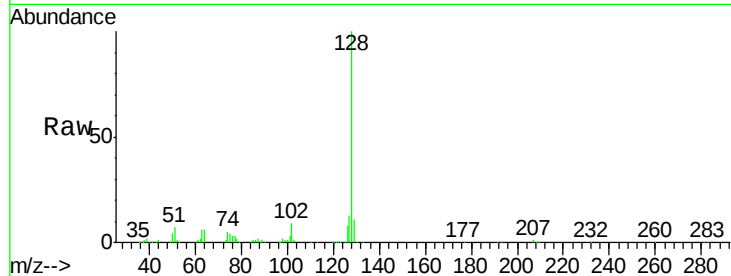
#95
Naphthalene
Concen: 20.927 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VY003280.D
Acq: 22 Jul 2020 11:58

Instrument :
MSVOA_Y
ClientSampleId :
VY0722SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	212318		
127	13.4	10.9	16.3	
129	11.1	9.0	13.6	

Manual Integrations
APPROVED

MMDadoda
7/23/2020 12:22:55 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.675 ug/l
RT: 15.42 min Scan# 2245
Delta R.T. 0.00 min
Lab File: VY003280.D
Acq: 22 Jul 2020 11:58

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	100335		
182	94.7	48.8	146.3	
145	28.4	14.9	44.5	

