

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY070220\
 Data File : VY003077.D
 Acq On : 02 Jul 2020 11:46
 Operator : SY/MD
 Sample : VY0702SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0702SBS01

Manual Integrations
 APPROVED

MMDadoda
 7/6/2020 10:43:20 AM

Quant Time: Jul 03 02:53:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 30 04:11:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	407812	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	598937	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	550627	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	295027	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.14	65	196675	48.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.12%	
35) Dibromofluoromethane	7.72	113	185644	49.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.38%	
50) Toluene-d8	10.18	98	697019	50.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.16%	
62) 4-Bromofluorobenzene	12.48	95	245081	50.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	57523	18.625	ug/l	98
3) Chloromethane	2.12	50	79204	17.513	ug/l	98
4) Vinyl Chloride	2.26	62	90226	20.452	ug/l	96
5) Bromomethane	2.65	94	67486	22.530	ug/l	94
6) Chloroethane	2.79	64	58204	20.739	ug/l	96
7) Trichlorofluoromethane	3.13	101	127248	20.436	ug/l	98
8) Diethyl Ether	3.54	74	43589	20.420	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.91	101	77550	20.859	ug/l	99
10) Methyl Iodide	4.10	142	87261	18.928	ug/l	98
11) Tert butyl alcohol	4.96	59	47141	114.203	ug/l	95
12) 1,1-Dichloroethene	3.88	96	74205	20.977	ug/l	83
13) Acrolein	3.74	56	33423	90.153	ug/l	97
14) Allyl chloride	4.49	41	118058	19.115	ug/l	98
15) Acrylonitrile	5.17	53	109929	99.923	ug/l	99
16) Acetone	3.96	43	93777	98.167	ug/l	99
17) Carbon Disulfide	4.20	76	226678	20.056	ug/l	99
18) Methyl Acetate	4.49	43	50920	19.785	ug/l	100
19) Methyl tert-butyl Ether	5.23	73	210645	20.428	ug/l	97
20) Methylene Chloride	4.72	84	118796	24.283	ug/l	96
21) trans-1,2-Dichloroethene	5.22	96	82223	20.549	ug/l	97
22) Diisopropyl ether	6.13	45	259280	19.587	ug/l	98
23) Vinyl Acetate	6.07	43	862100	97.409	ug/l	99
24) 1,1-Dichloroethane	6.03	63	145731	20.153	ug/l	99
25) 2-Butanone	6.99	43	151183	99.629	ug/l	96
26) 2,2-Dichloropropane	6.99	77	139284	21.200	ug/l	98
27) cis-1,2-Dichloroethene	6.99	96	93258	20.779	ug/l	99
28) Bromochloromethane	7.34	49	61472	19.106	ug/l	92
29) Tetrahydrofuran	7.35	42	98679	97.788	ug/l	98
30) Chloroform	7.51	83	147111	20.535	ug/l	98
31) Cyclohexane	7.78	56	138196	19.399	ug/l	94
32) 1,1,1-Trichloroethane	7.71	97	134645	20.591	ug/l	99
36) 1,1-Dichloropropene	7.93	75	119318	20.682	ug/l	99
37) Ethyl Acetate	7.08	43	68381	19.713	ug/l	99
38) Carbon Tetrachloride	7.91	117	122137	20.348	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	142706	19.951	ug/l	100
40) Benzene	8.16	78	327872	20.759	ug/l	97
41) Methacrylonitrile	7.32	41	34947m	18.860	ug/l	
42) 1,2-Dichloroethane	8.24	62	102475	20.509	ug/l	100
43) Isopropyl Acetate	8.27	43	128730	19.521	ug/l	98
44) Trichloroethene	8.94	130	96209	20.957	ug/l	99
45) 1,2-Dichloropropane	9.22	63	87435	20.576	ug/l	91
46) Dibromomethane	9.31	93	48555	20.459	ug/l	98
47) Bromodichloromethane	9.50	83	118975	20.473	ug/l	99
48) Methyl methacrylate	9.29	41	56792	18.921	ug/l	94
49) 1,4-Dioxane	9.30	88	13211	456.008	ug/l	95
51) 4-Methyl-2-Pentanone	10.07	43	337355	98.981	ug/l	99
52) Toluene	10.24	92	204870	20.605	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	123057	20.197	ug/l	97
54) cis-1,3-Dichloropropene	9.93	75	141443	20.299	ug/l	98
55) 1,1,2-Trichloroethane	10.64	97	69898	21.194	ug/l	97
56) Ethyl methacrylate	10.51	69	94980	19.896	ug/l	99
57) 1,3-Dichloropropane	10.79	76	118417	20.454	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	228100	93.162	ug/l	99
59) 2-Hexanone	10.83	43	239271	100.438	ug/l	99
60) Dibromochloromethane	10.99	129	85430	20.242	ug/l	98
61) 1,2-Dibromoethane	11.09	107	67506	20.763	ug/l	99
64) Tetrachloroethene	10.72	164	95278	20.445	ug/l	97
65) Chlorobenzene	11.52	112	226248	20.838	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.59	131	88664	20.917	ug/l	99
67) Ethyl Benzene	11.59	91	409967	20.640	ug/l	97
68) m/p-Xylenes	11.70	106	307127	41.546	ug/l	98
69) o-Xylene	12.03	106	142485	20.454	ug/l	99
70) Styrene	12.05	104	246489	20.712	ug/l	99
71) Bromoform	12.20	173	58658	20.753	ug/l #	98
73) Isopropylbenzene	12.33	105	392742	20.341	ug/l	100
74) N-amyl acetate	12.14	43	120190	19.121	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	80243	20.594	ug/l	97
76) 1,2,3-Trichloropropane	12.63	75	59963m	20.536	ug/l	
77) Bromobenzene	12.61	156	99906	20.181	ug/l	98
78) n-propylbenzene	12.67	91	471607	20.310	ug/l	99
79) 2-Chlorotoluene	12.75	91	262153	20.226	ug/l	98
80) 1,3,5-Trimethylbenzene	12.81	105	330420	20.393	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	29650	19.757	ug/l	97
82) 4-Chlorotoluene	12.85	91	274012	20.305	ug/l	99
83) tert-Butylbenzene	13.08	119	290104	20.391	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	333620	20.434	ug/l	99
85) sec-Butylbenzene	13.25	105	404003	20.602	ug/l	99
86) p-Isopropyltoluene	13.37	119	374310	20.600	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	186701	20.200	ug/l	98
88) 1,4-Dichlorobenzene	13.44	146	188327	20.664	ug/l	99
89) n-Butylbenzene	13.70	91	359168	20.659	ug/l	100
90) Hexachloroethane	13.96	117	73334	20.324	ug/l	100
91) 1,2-Dichlorobenzene	13.74	146	171595	20.693	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	14162	20.531	ug/l	98

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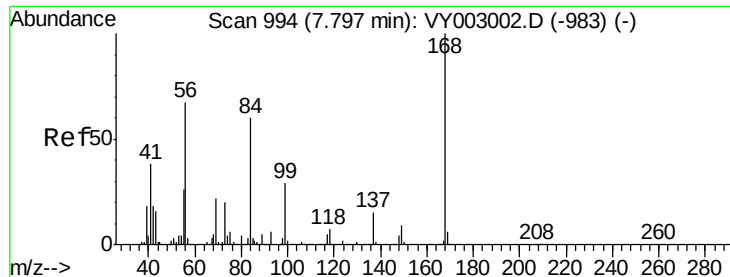
Manual Integrations
APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	127610	20.709	ug/l	99
94) Hexachlorobutadiene	15.11	225	79712	20.509	ug/l	99
95) Naphthalene	15.23	128	231158	20.538	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	109080	20.386	ug/l	100

(#) = 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: VY003077.D

Acq: 02 Jul 2020 11:46

Instrument :

MSVOA_Y

ClientSampleId :

VY0702SBS01

Tot Ion:168 Resp: 407812

Ion Ratio Lower Upper

168 100

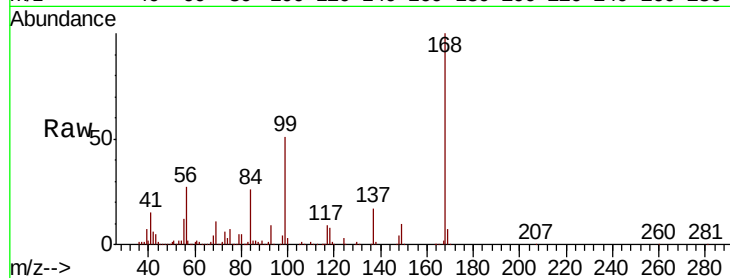
99 50.6 39.2 58.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VY003077.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY003077.D (-945) (-)

7.80

150000

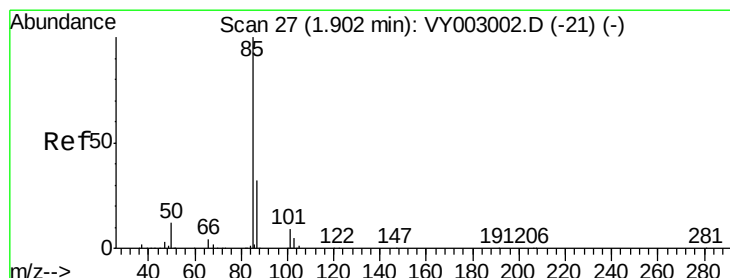
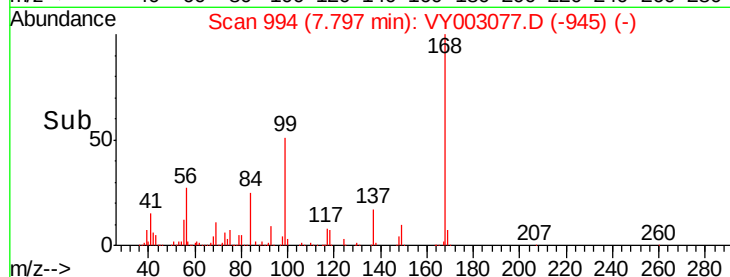
100000

50000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 18.625 ug/l

RT: 1.91 min Scan# 28

Delta R.T. 0.01 min

Lab File: VY003077.D

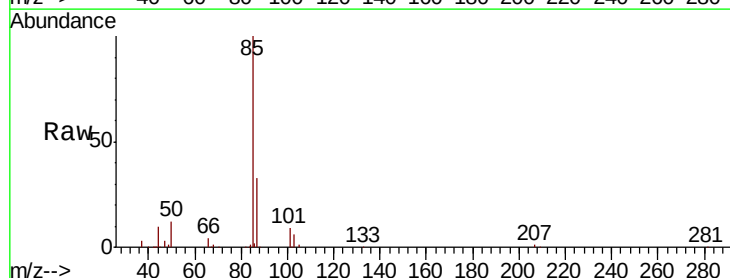
Acq: 02 Jul 2020 11:46

Tgt Ion: 85 Resp: 57523

Ion Ratio Lower Upper

85 100

87 32.8 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VY003077.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VY003077.D (-1) (-)

1.91

40000

30000

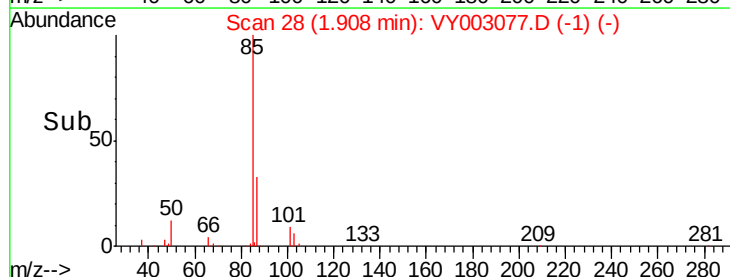
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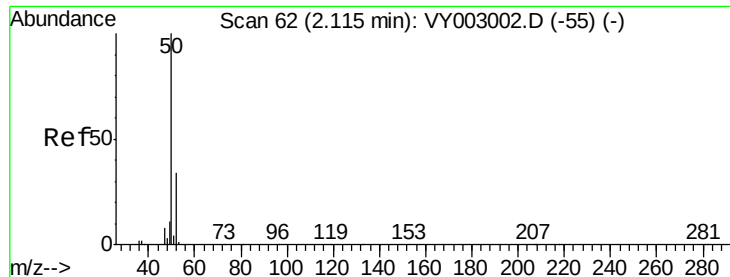
10000

0

1.85 1.90 1.95 2.00

Time-->





#3

Chloromethane

Concen: 17.513 ug/l

RT: 2.12 min Scan# 62

Delta R.T. 0.00 min

Lab File: VY003077.D

Acq: 02 Jul 2020 11:46

Instrument :

MSVOA_Y

ClientSampleId :

VY0702SBS01

Tot Ion: 50 Resp: 79204

Ion Ratio Lower Upper

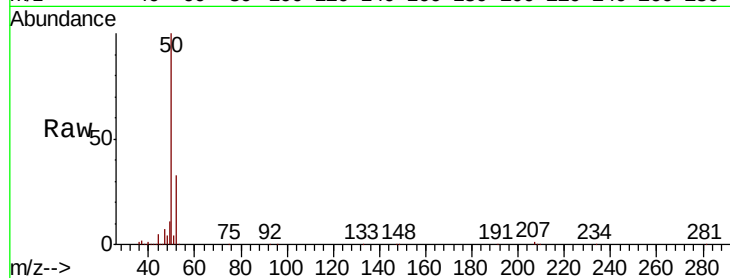
50 100

52 32.6 26.9 40.3

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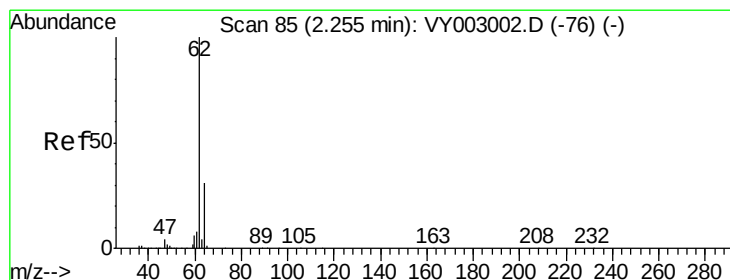
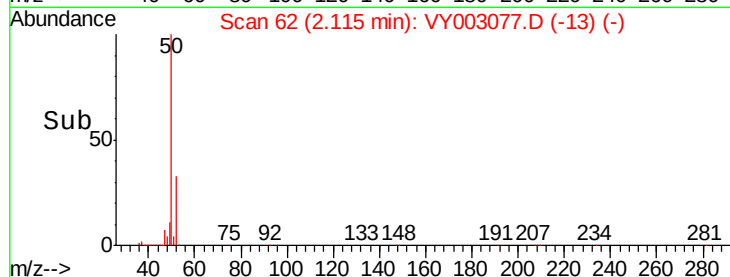
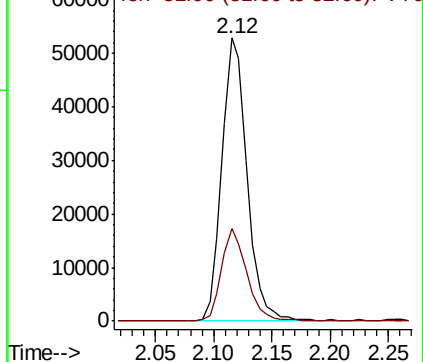
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Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 20.452 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.00 min

Lab File: VY003077.D

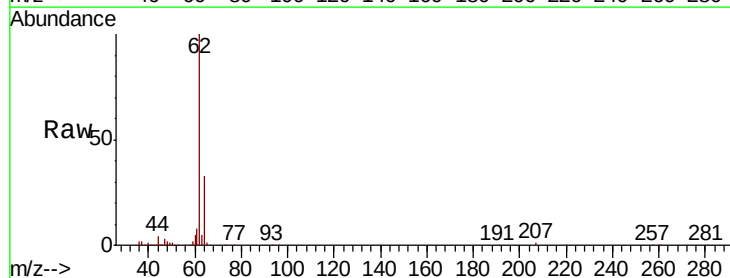
Acq: 02 Jul 2020 11:46

Tgt Ion: 62 Resp: 90226

Ion Ratio Lower Upper

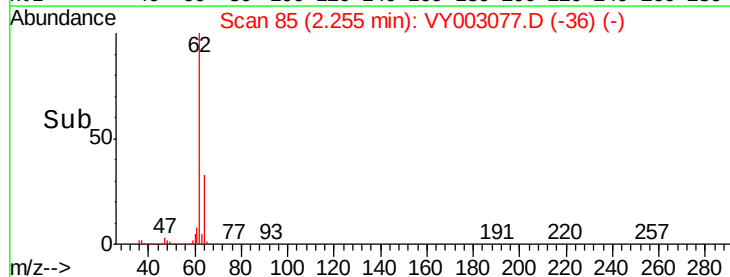
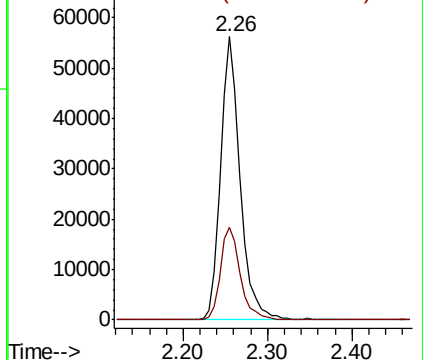
62 100

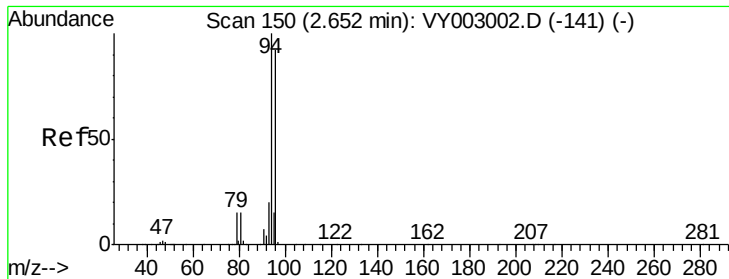
64 32.7 24.4 36.6



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 22.530 ug/l

RT: 2.65 min Scan# 149

Delta R.T. -0.01 min

Lab File: VY003077.D

Acq: 02 Jul 2020 11:46

Instrument :

MSVOA_Y

ClientSampleId :

VY0702SBS01

Tot Ion: 94 Resp: 67486

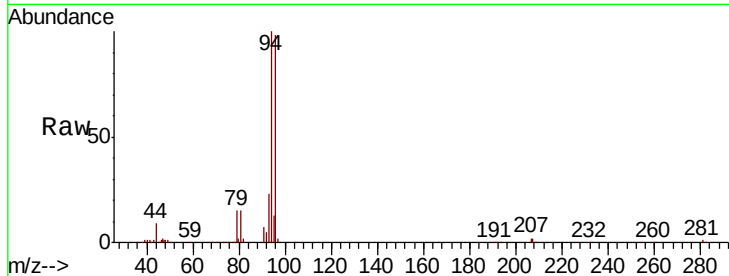
Ion Ratio Lower Upper

94 100

96 97.4 73.4 110.2

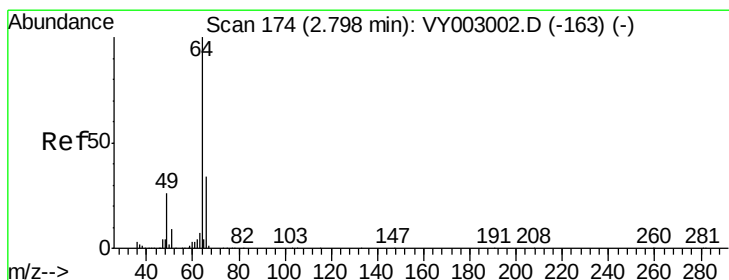
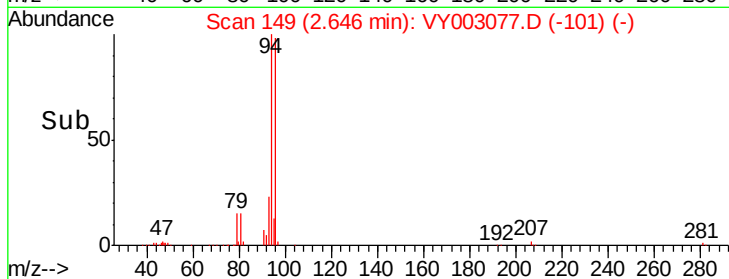
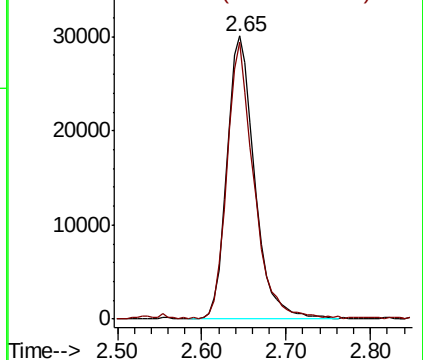
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7/6/2020 10:43:20 AM



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 20.739 ug/l

RT: 2.79 min Scan# 173

Delta R.T. -0.01 min

Lab File: VY003077.D

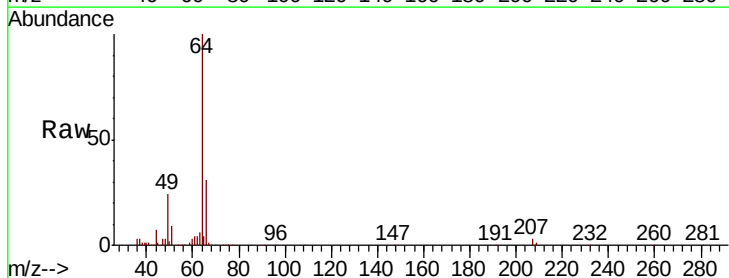
Acq: 02 Jul 2020 11:46

Tgt Ion: 64 Resp: 58204

Ion Ratio Lower Upper

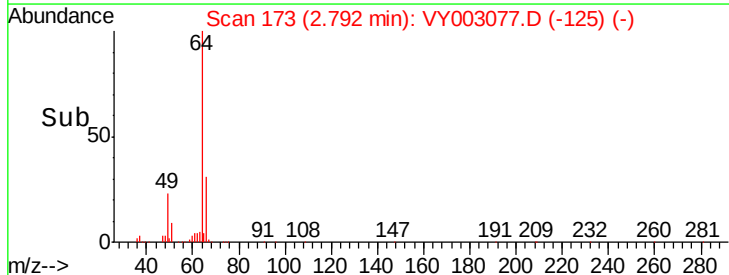
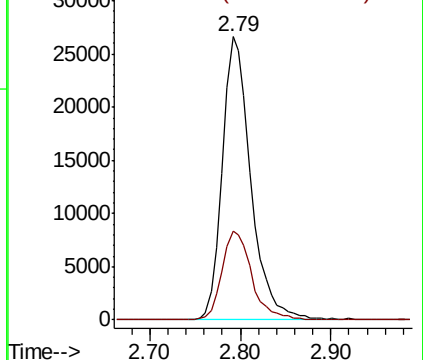
64 100

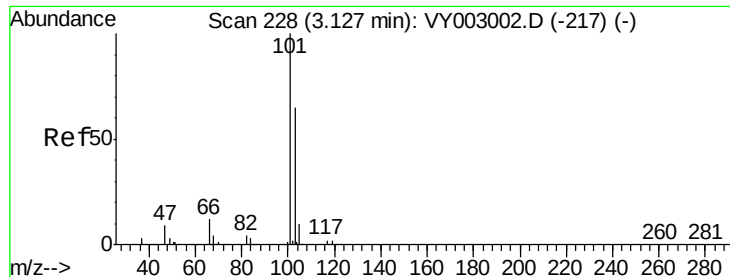
66 31.4 27.0 40.4



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

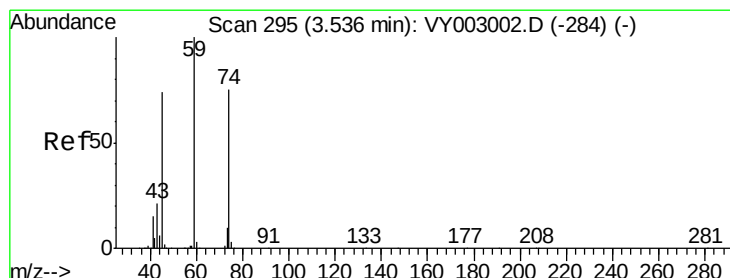
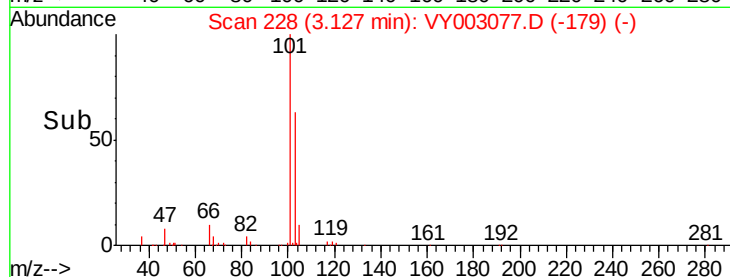
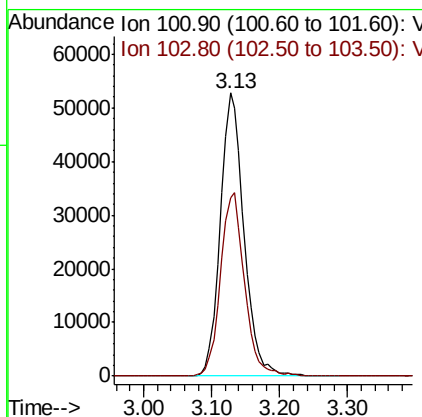
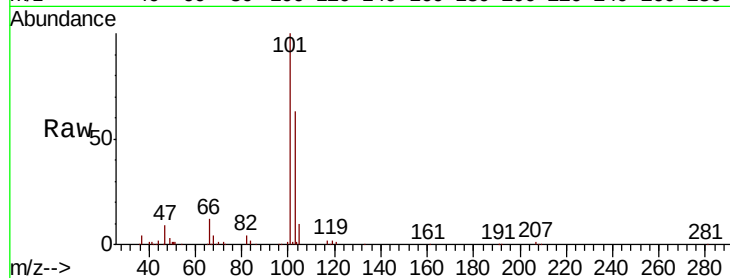
Trichlorofluoromethane
Concen: 20.436 ug/l
RT: 3.13 min Scan# 228
Delta R.T. 0.00 min
Lab File: VY003077.D
Acq: 02 Jul 2020 11:46

Instrument :
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ClientSampleId :
VY0702SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.2	51.6	77.4

Manual Integrations
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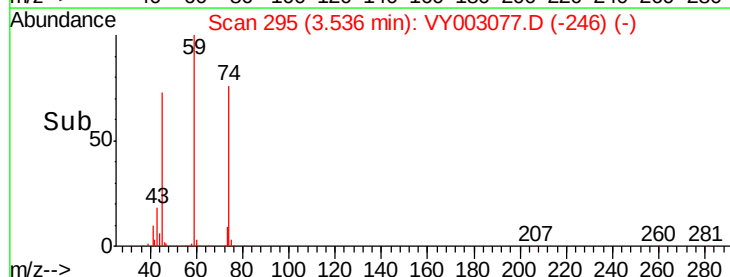
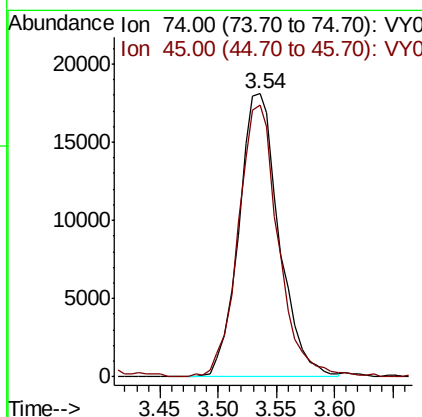
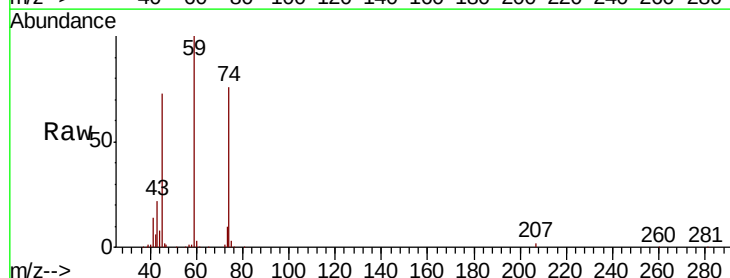
MMDadoda
7/6/2020 10:43:20 AM

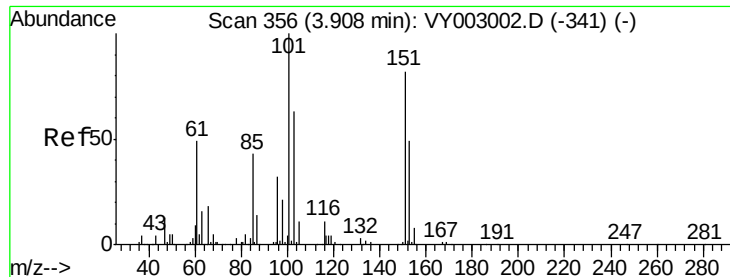


#8

Diethyl Ether
Concen: 20.420 ug/l
RT: 3.54 min Scan# 295
Delta R.T. 0.00 min
Lab File: VY003077.D
Acq: 02 Jul 2020 11:46

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.1	49.3	147.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.859 ug/l

RT: 3.91 min Scan# 356

Delta R.T. 0.00 min

Lab File: VY003077.D

Acq: 02 Jul 2020 11:46

Instrument :

MSVOA_Y

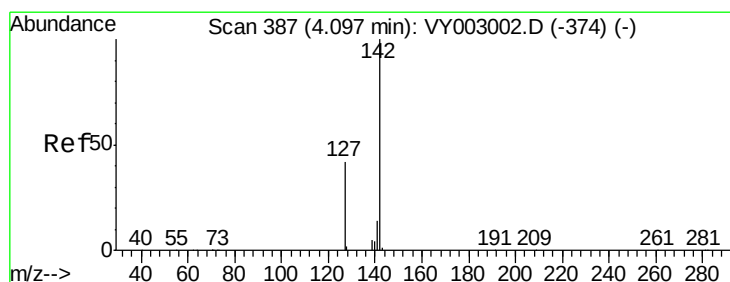
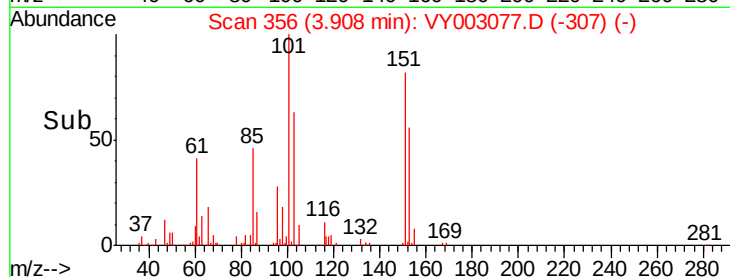
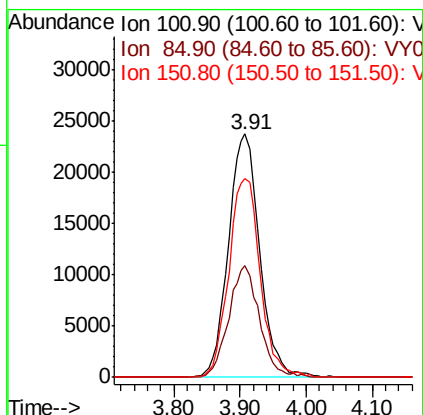
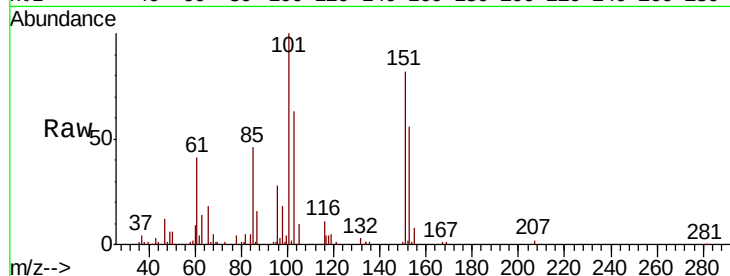
ClientSampleId :

VY0702SBS01

Tot Ion:	101	Resp:	77550
Ion Ratio	Lower	Upper	
101	100		
85	45.3	35.5	53.3
151	82.3	65.5	98.3

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#10

Methyl Iodide

Concen: 18.928 ug/l

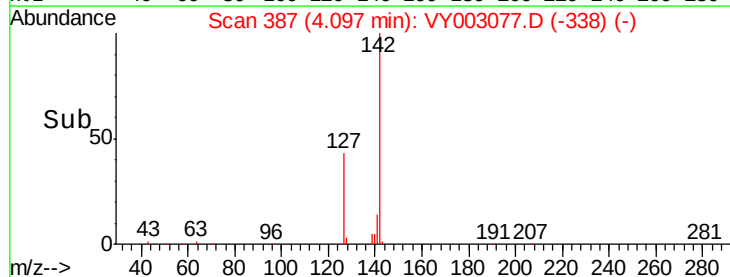
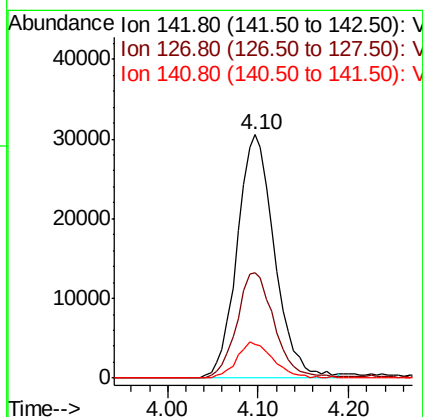
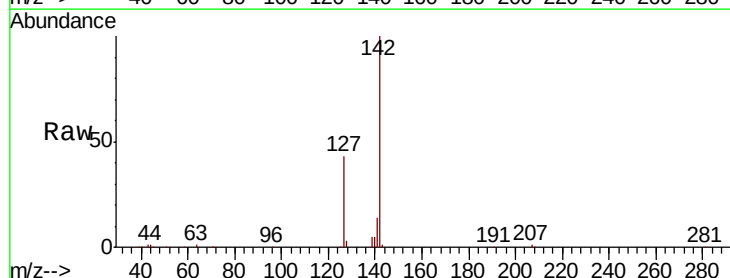
RT: 4.10 min Scan# 387

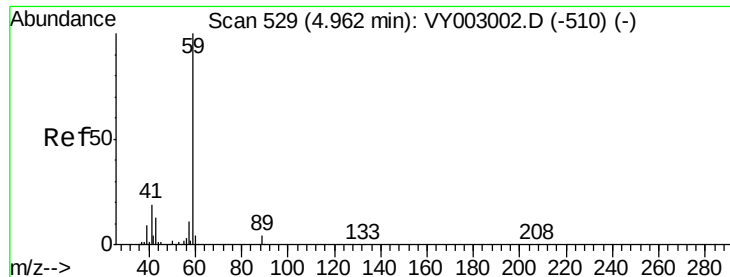
Delta R.T. 0.00 min

Lab File: VY003077.D

Acq: 02 Jul 2020 11:46

Tgt Ion:	142	Resp:	87261
Ion Ratio	Lower	Upper	
142	100		
127	43.9	34.2	51.2
141	14.3	11.7	17.5





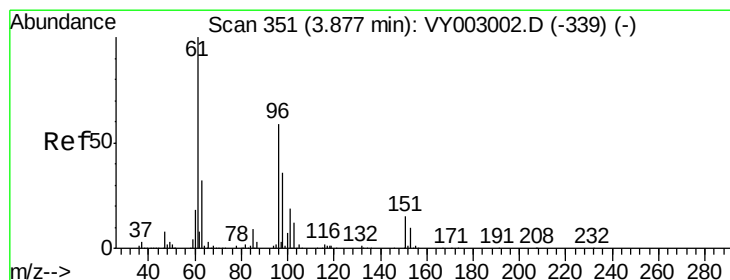
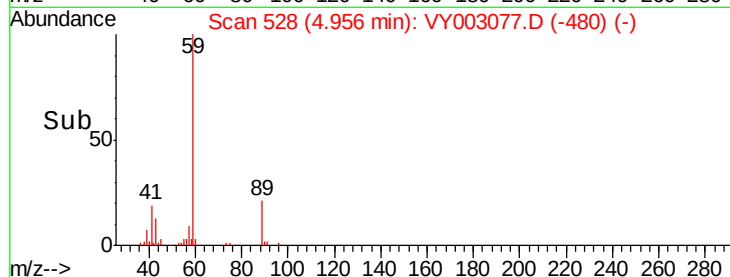
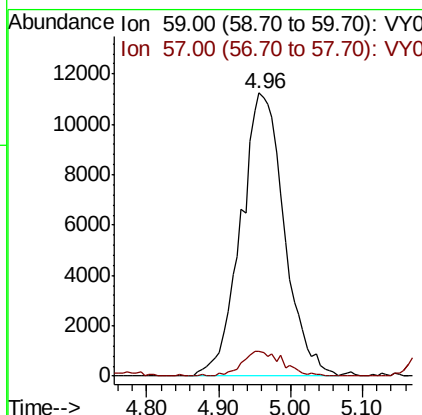
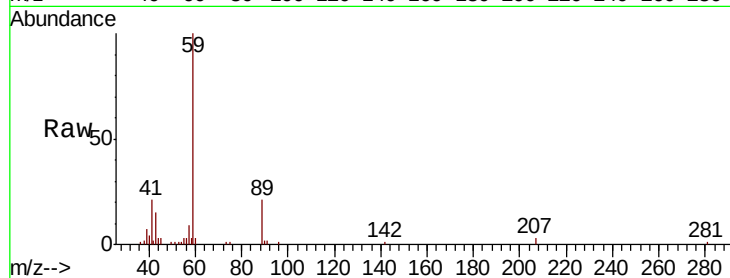
#11
Tert butyl alcohol
Concen: 114.203 ug/l
RT: 4.96 min Scan# 528
Delta R.T. -0.01 min
Lab File: VY003077.D
Acq: 02 Jul 2020 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VY0702SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100	47141		
57	57	8.1		8.0	12.0

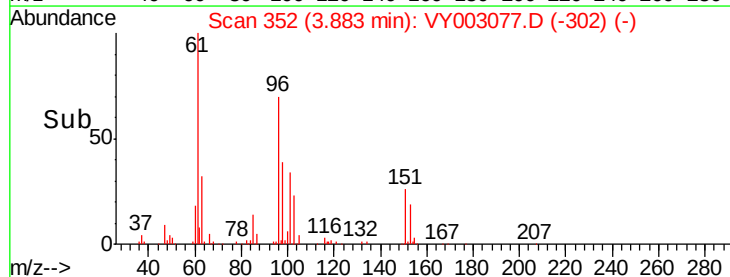
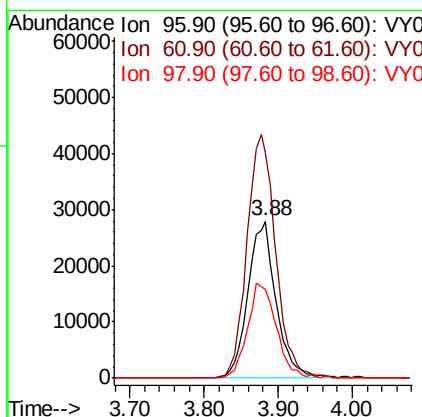
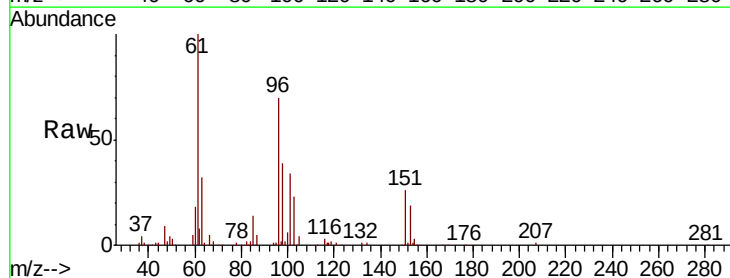
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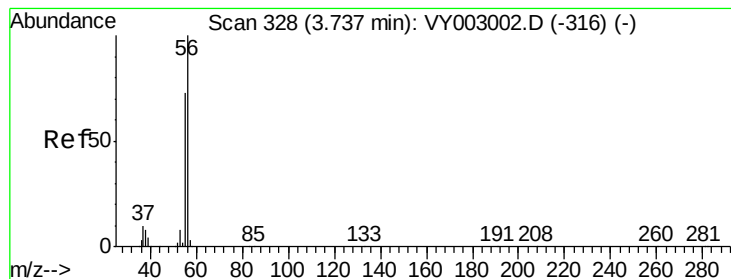
MMDadoda
7/6/2020 10:43:20 AM



#12
1,1-Dichloroethene
Concen: 20.977 ug/l
RT: 3.88 min Scan# 352
Delta R.T. 0.01 min
Lab File: VY003077.D
Acq: 02 Jul 2020 11:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100	74205		
61	61	143.6		136.7	205.1
98	98	56.2		49.7	74.5





#13

Acrolein

Concen: 90.153 ug/l

RT: 3.74 min Scan# 328

Delta R.T. 0.00 min

Lab File: VY003077.D

Acq: 02 Jul 2020 11:46

Instrument :

MSVOA_Y

ClientSampleId :

VY0702SBS01

Tot Ion: 56 Resp: 33423

Ion Ratio Lower Upper

56 100

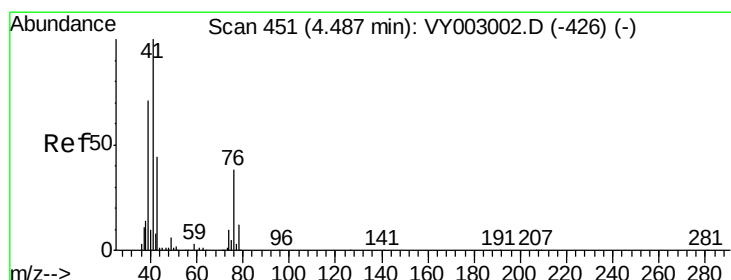
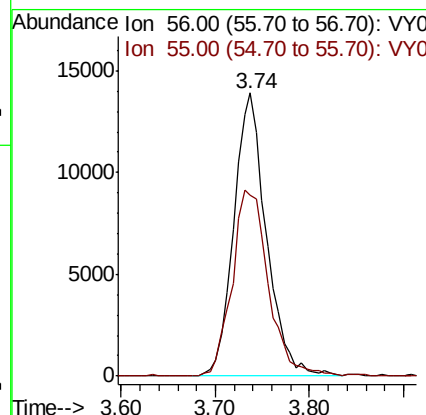
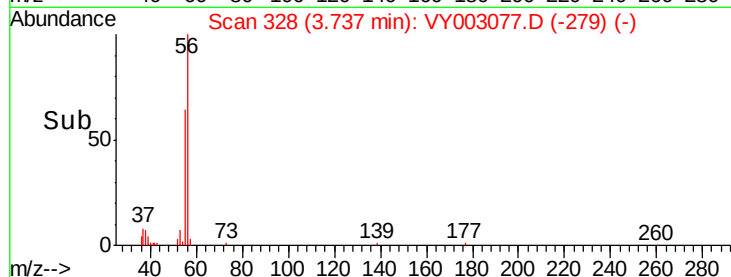
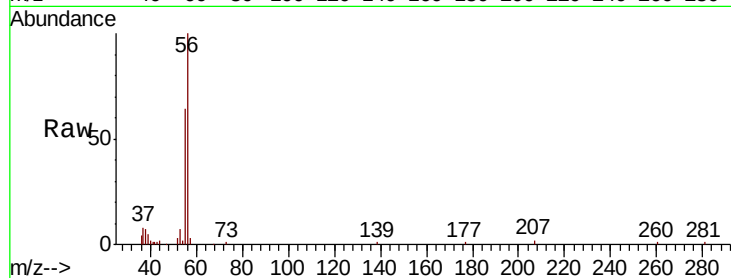
55 73.2 56.4 84.6

Manual Integrations

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MMDadoda

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#14

Allyl chloride

Concen: 19.115 ug/l

RT: 4.49 min Scan# 451

Delta R.T. 0.00 min

Lab File: VY003077.D

Acq: 02 Jul 2020 11:46

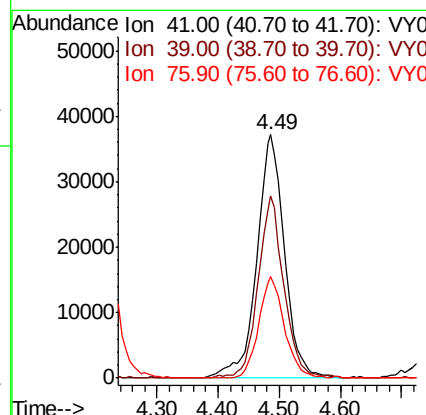
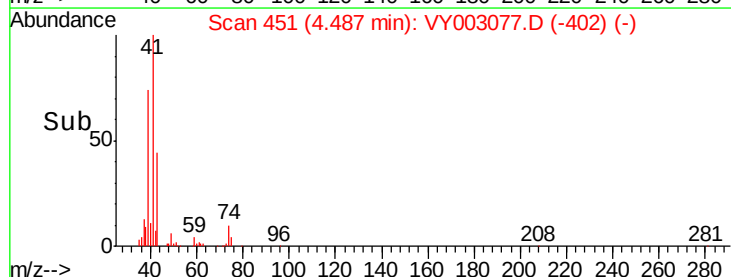
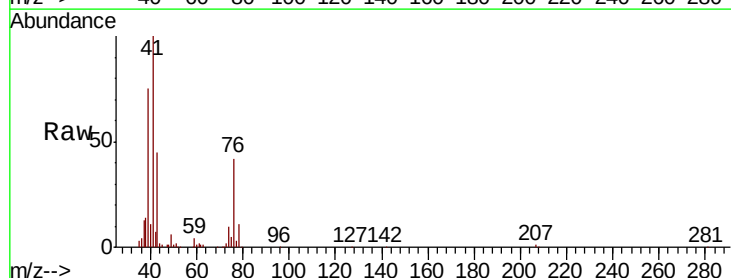
Tgt Ion: 41 Resp: 118058

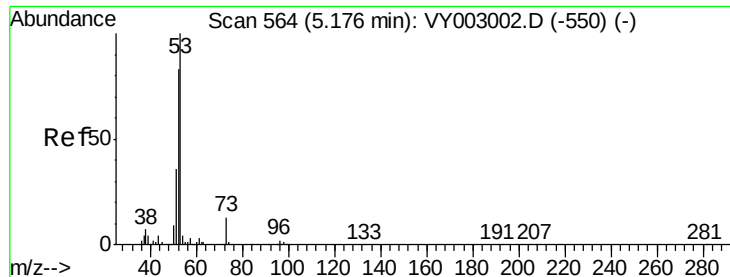
Ion Ratio Lower Upper

41 100

39 70.1 55.6 83.4

76 38.7 28.6 43.0





#15

Acrylonitrile

Concen: 99.923 ug/l

RT: 5.17 min Scan# 563

Delta R.T. -0.01 min

Lab File: VY003077.D

Acq: 02 Jul 2020 11:46

Instrument :

MSVOA_Y

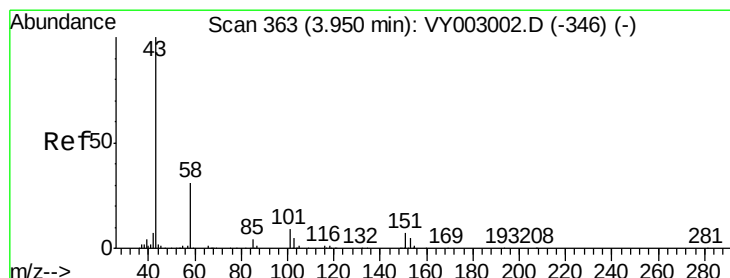
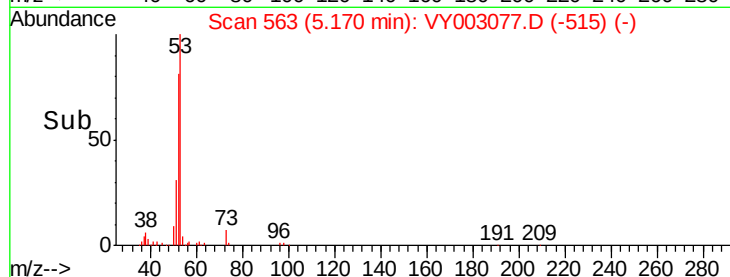
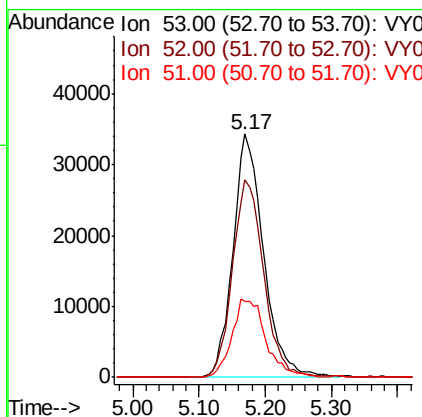
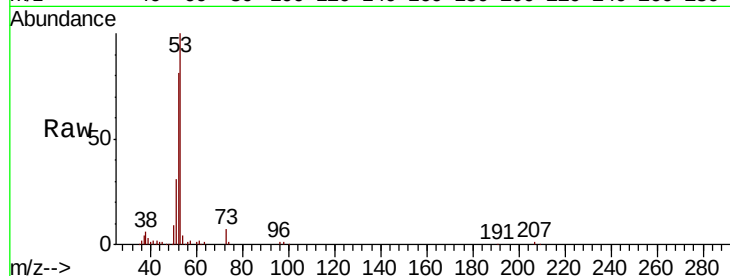
ClientSampleId :

VY0702SBS01

Tot Ion	53	Resp	109929
Ion Ratio	Lower	Upper	
53	100		
52	82.9	66.2	99.2
51	35.7	29.5	44.3

Manual Integrations
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#16

Acetone

Concen: 98.167 ug/l

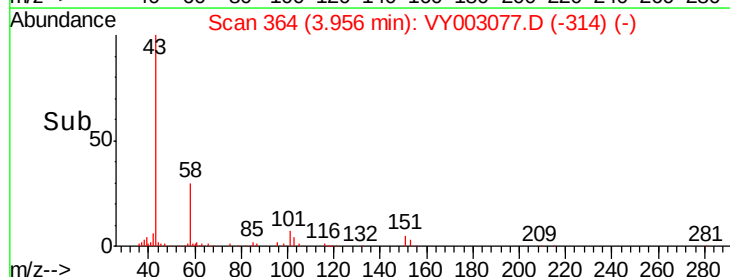
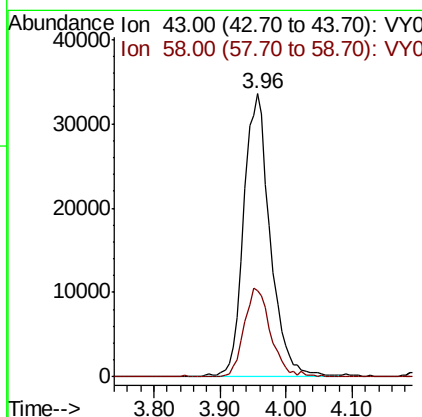
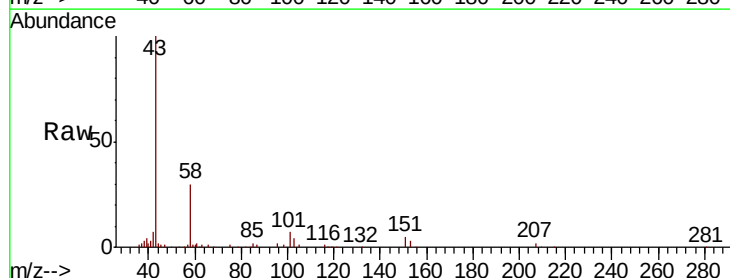
RT: 3.96 min Scan# 364

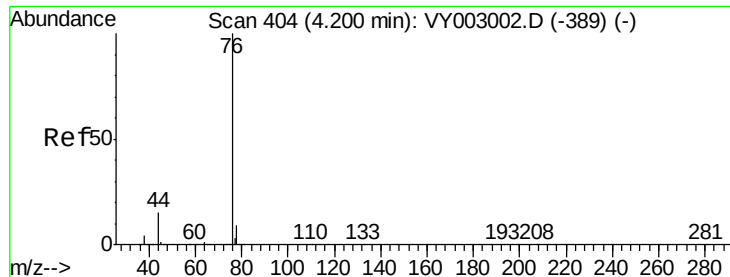
Delta R.T. 0.01 min

Lab File: VY003077.D

Acq: 02 Jul 2020 11:46

Tgt Ion	43	Resp	93777
Ion Ratio	Lower	Upper	
43	100		
58	30.1	24.7	37.1





#17

Carbon Disulfide

Concen: 20.056 ug/l

RT: 4.20 min Scan# 404

Delta R.T. 0.00 min

Lab File: VY003077.D

Acq: 02 Jul 2020 11:46

Instrument :

MSVOA_Y

ClientSampleId :

VY0702SBS01

Tot Ion: 76 Resp: 226678

Ion Ratio Lower Upper

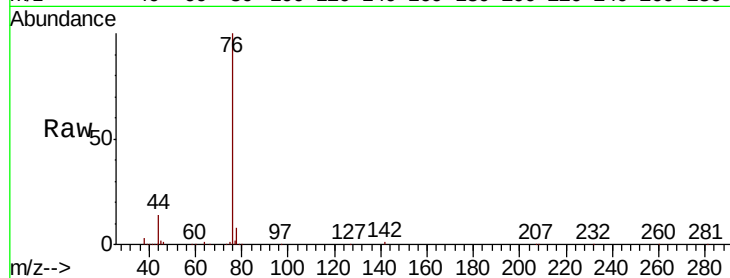
76 100

78 8.5 7.0 10.6

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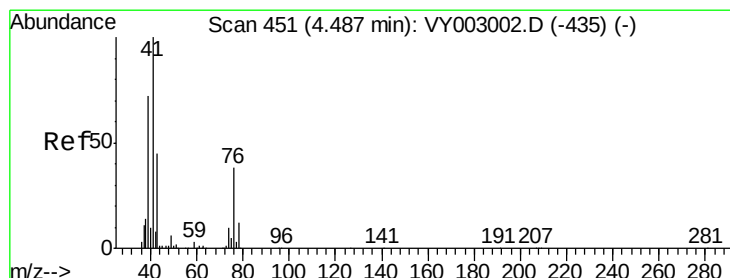
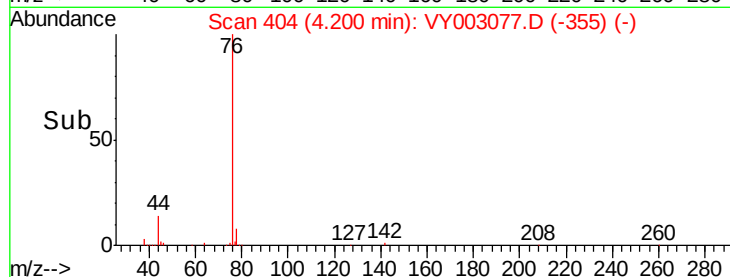
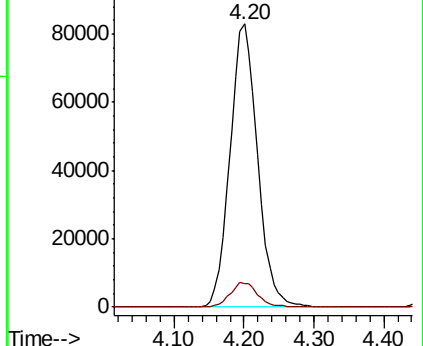
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Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#18

Methyl Acetate

Concen: 19.785 ug/l

RT: 4.49 min Scan# 451

Delta R.T. 0.00 min

Lab File: VY003077.D

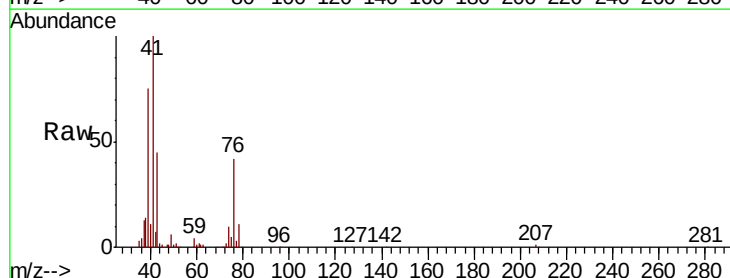
Acq: 02 Jul 2020 11:46

Tgt Ion: 43 Resp: 50920

Ion Ratio Lower Upper

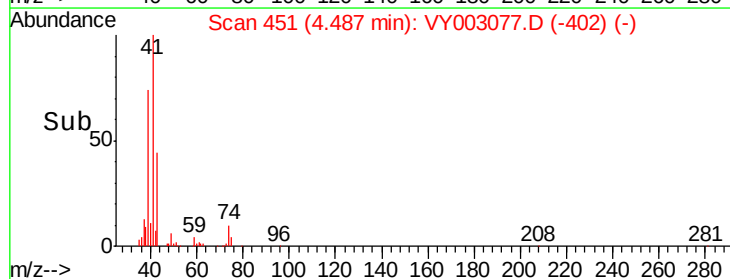
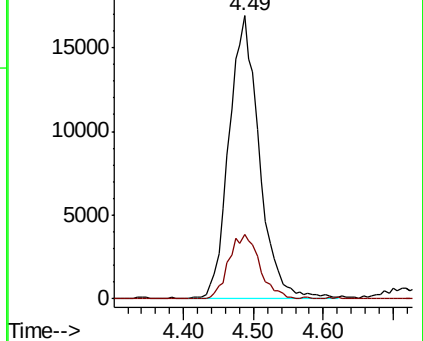
43 100

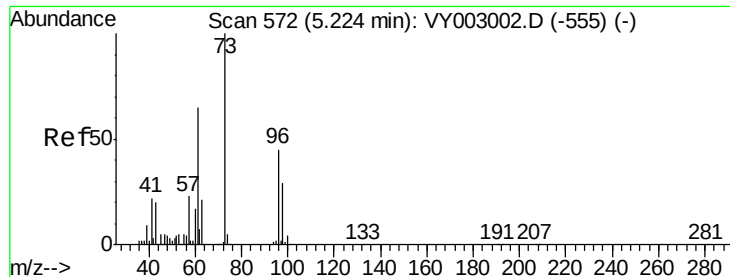
74 23.0 18.2 27.4



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0





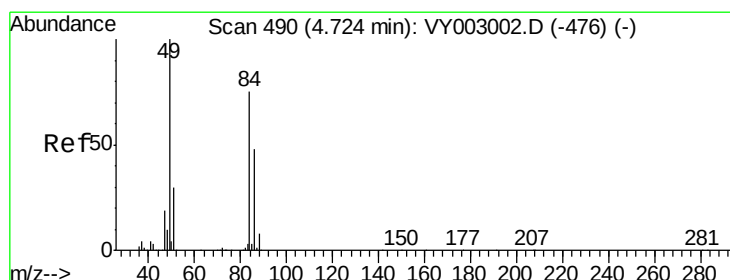
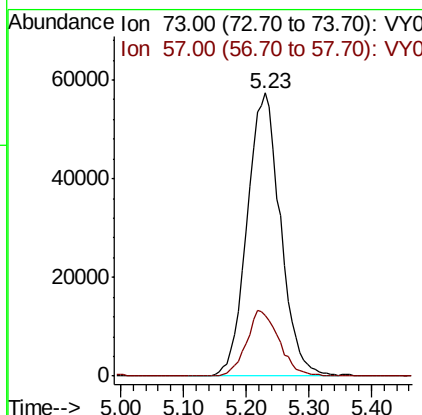
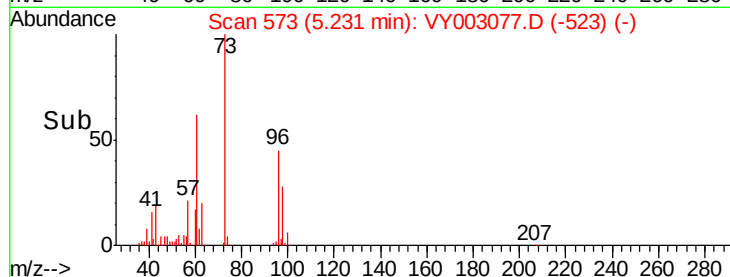
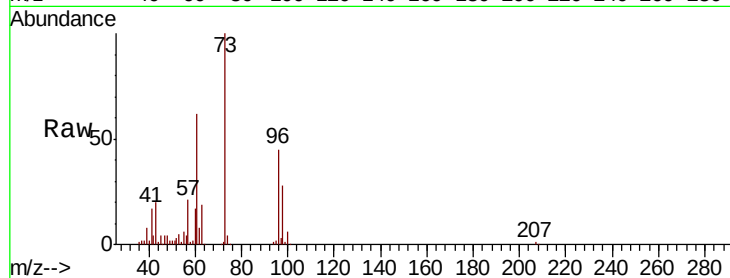
#19
Methyl tert-butyl Ether
Concen: 20.428 ug/l
RT: 5.23 min Scan# 573
Delta R.T. 0.01 min
Lab File: VY003077.D
Acq: 02 Jul 2020 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VY0702SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.2	18.2	27.2

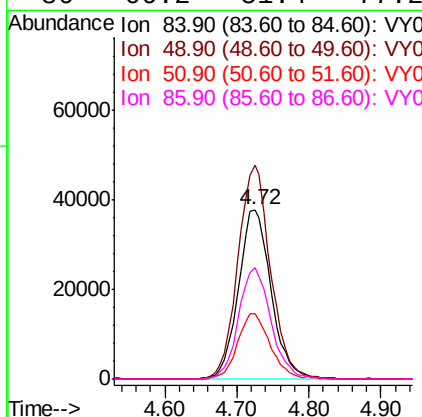
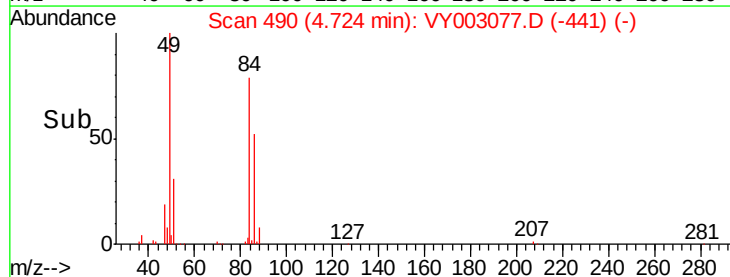
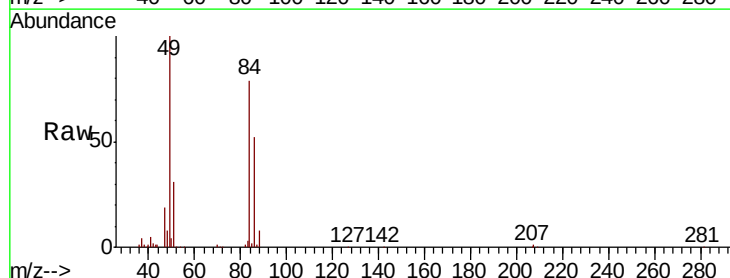
Manual Integrations
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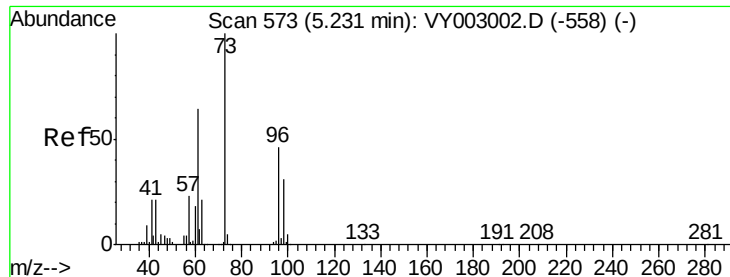
MMDadoda
7/6/2020 10:43:20 AM



#20
Methylene Chloride
Concen: 24.283 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY003077.D
Acq: 02 Jul 2020 11:46

Tgt Ion	Ratio	Lower	Upper
84	100		
49	126.4	106.8	160.2
51	38.6	32.0	48.0
86	66.2	51.4	77.2





#21

trans-1,2-Dichloroethene

Concen: 20.549 ug/l

RT: 5.22 min Scan# 572

Delta R.T. -0.01 min

Lab File: VY003077.D

Acq: 02 Jul 2020 11:46

Instrument :

MSVOA_Y

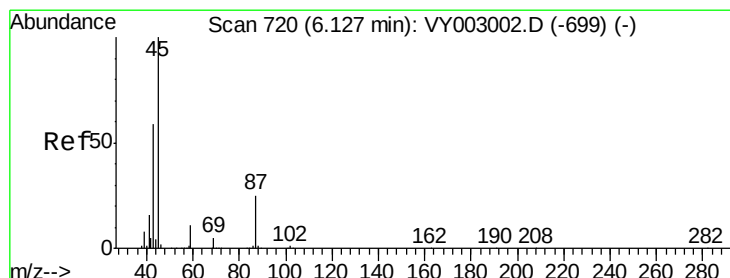
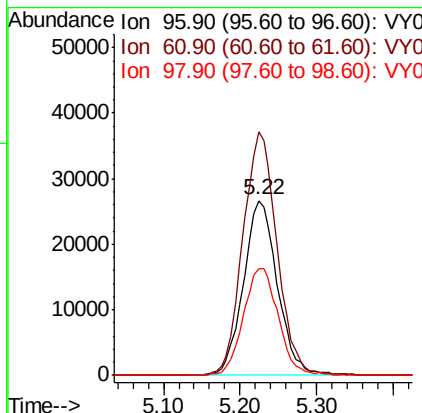
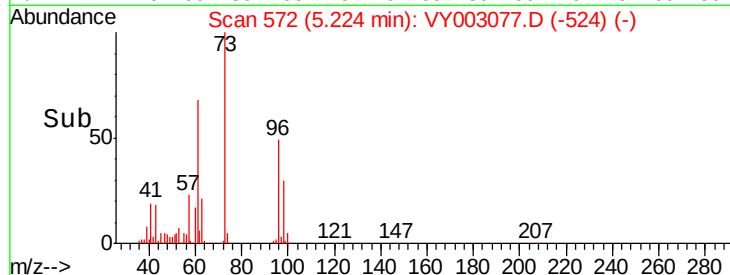
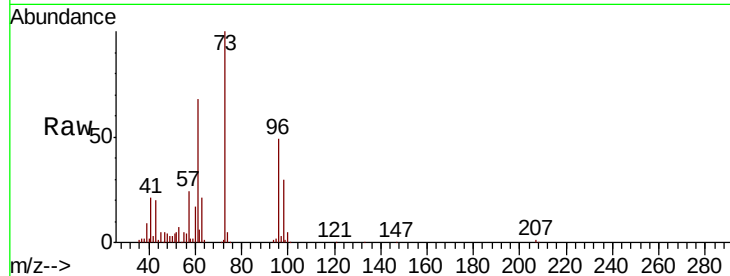
ClientSampleId :

VY0702SBS01

Tot Ion:	96	Resp:	82223
Ion	Ratio	Lower	Upper
96	100		
61	139.3	112.3	168.5
98	61.1	53.8	80.8

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#22

Diisopropyl ether

Concen: 19.587 ug/l

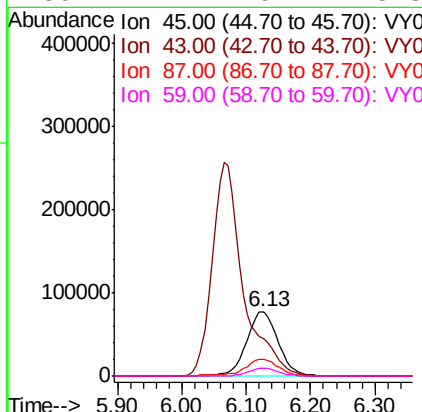
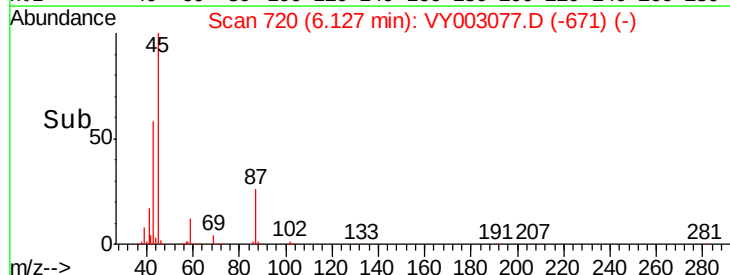
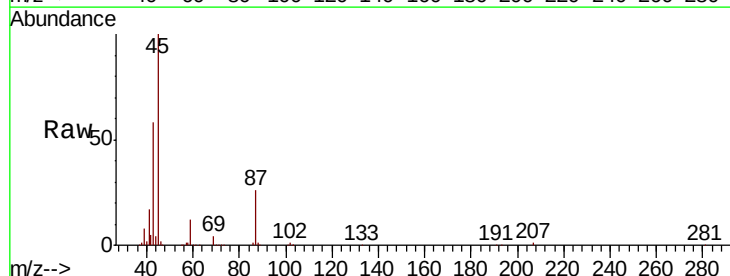
RT: 6.13 min Scan# 720

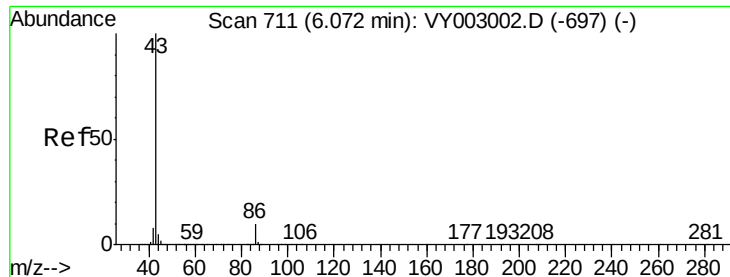
Delta R.T. 0.00 min

Lab File: VY003077.D

Acq: 02 Jul 2020 11:46

Tgt Ion:	45	Resp:	259280
Ion	Ratio	Lower	Upper
45	100		
43	57.2	47.4	71.2
87	26.0	20.2	30.2
59	11.7	9.2	13.8





#23

Vinyl Acetate

Concen: 97.409 ug/l

RT: 6.07 min Scan# 710

Delta R.T. -0.01 min

Lab File: VY003077.D

Acq: 02 Jul 2020 11:46

Instrument :

MSVOA_Y

ClientSampleId :

VY0702SBS01

Tot Ion: 43 Resp: 862100

Ion Ratio Lower Upper

43 100

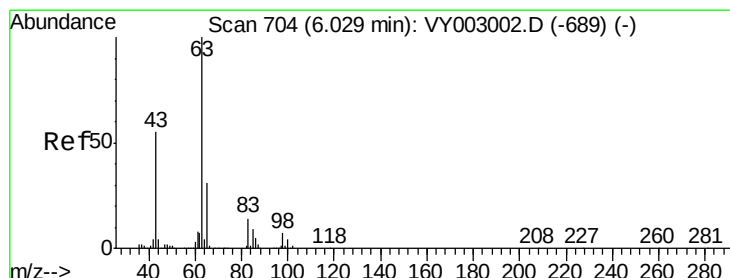
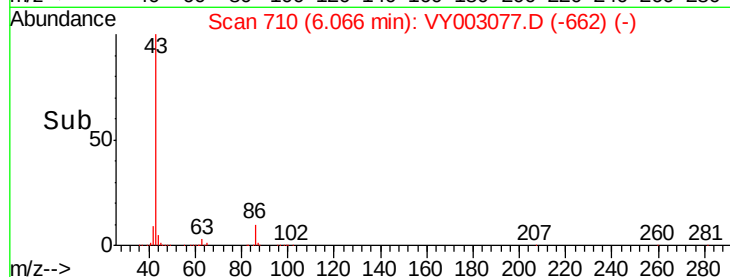
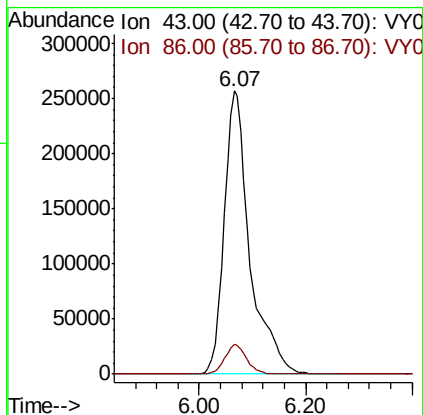
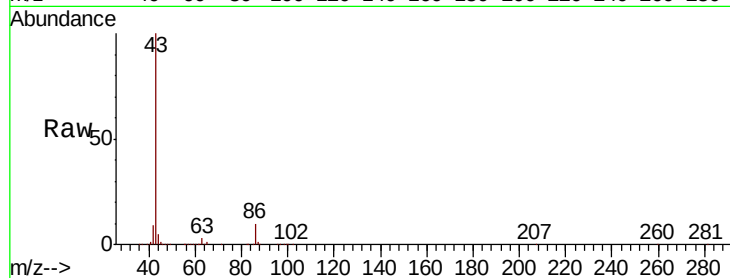
86 10.5 8.1 12.1

Manual Integrations

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MMDadoda

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#24

1,1-Dichloroethane

Concen: 20.153 ug/l

RT: 6.03 min Scan# 704

Delta R.T. 0.00 min

Lab File: VY003077.D

Acq: 02 Jul 2020 11:46

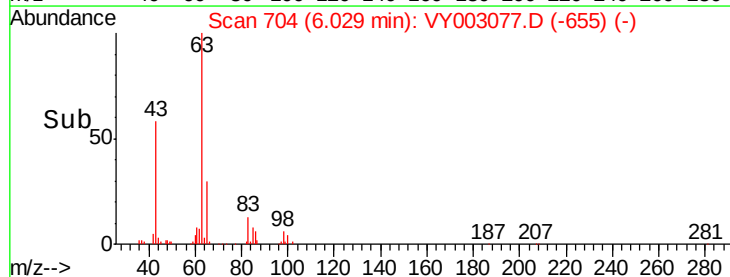
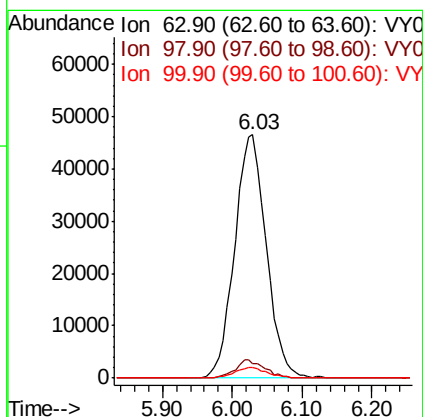
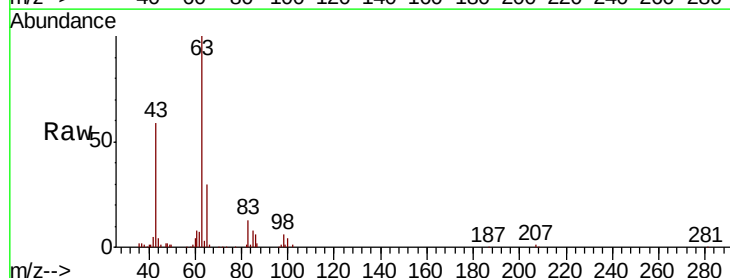
Tgt Ion: 63 Resp: 145731

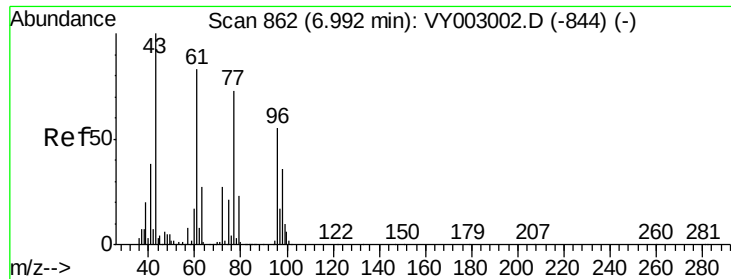
Ion Ratio Lower Upper

63 100

98 6.2 3.4 10.1

100 4.4 2.3 6.8





#25

2-Butanone

Concen: 99.629 ug/l

RT: 6.99 min Scan# 862

Delta R.T. 0.00 min

Lab File: VY003077.D

Acq: 02 Jul 2020 11:46

Instrument :

MSVOA_Y

ClientSampleId :

VY0702SBS01

Tot Ion: 43 Resp: 151183

Ion Ratio Lower Upper

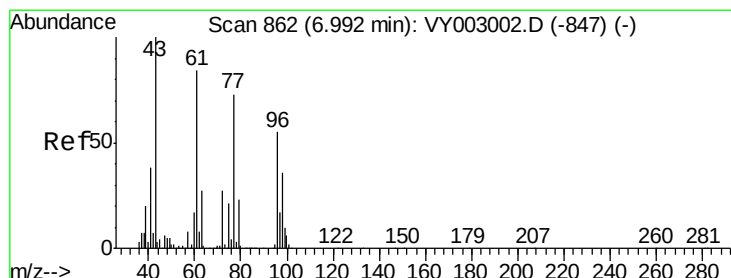
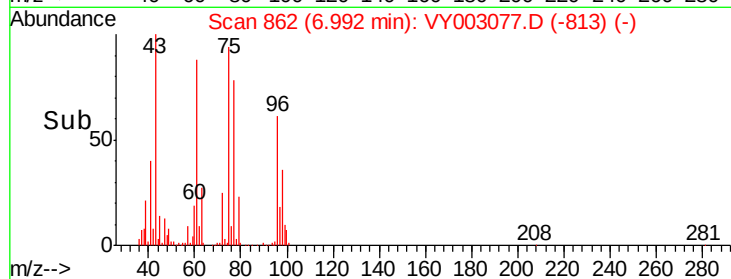
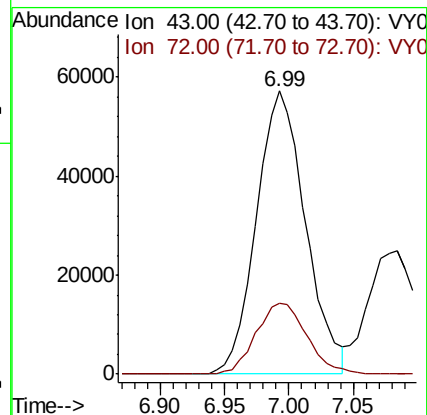
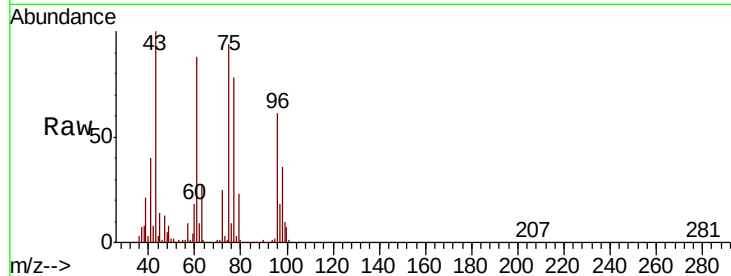
43 100

72 24.9 21.4 32.0

Manual Integrations
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MMDadoda

7/6/2020 10:43:20 AM



#26

2,2-Dichloropropane

Concen: 21.200 ug/l

RT: 6.99 min Scan# 861

Delta R.T. -0.01 min

Lab File: VY003077.D

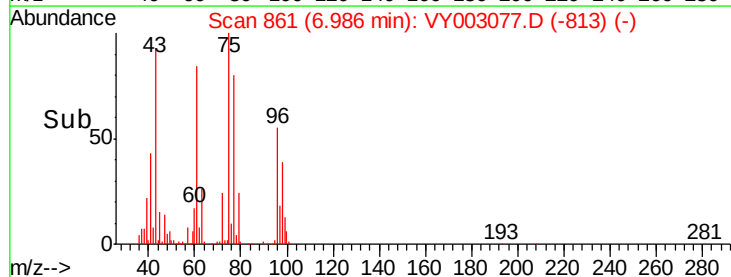
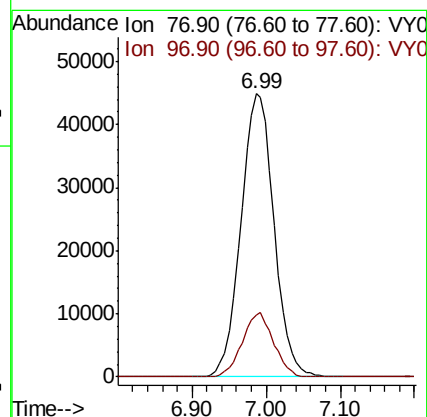
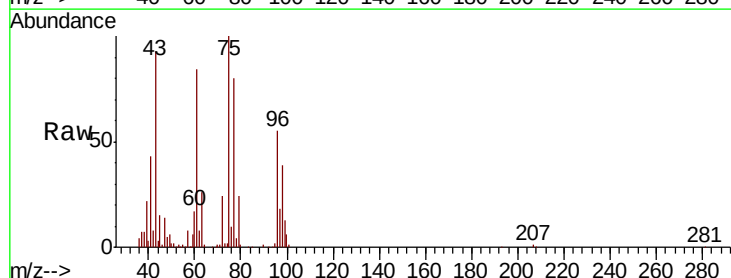
Acq: 02 Jul 2020 11:46

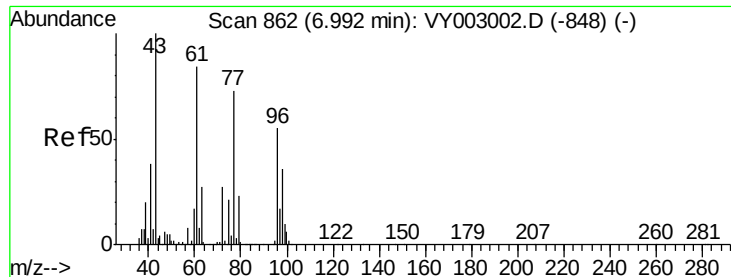
Tgt Ion: 77 Resp: 139284

Ion Ratio Lower Upper

77 100

97 21.5 11.3 33.9





#27

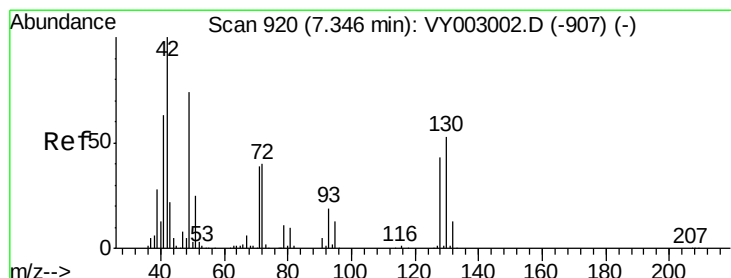
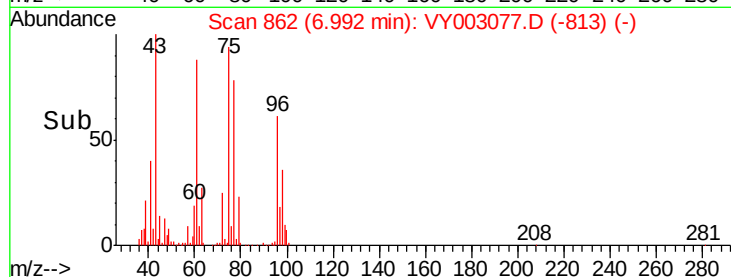
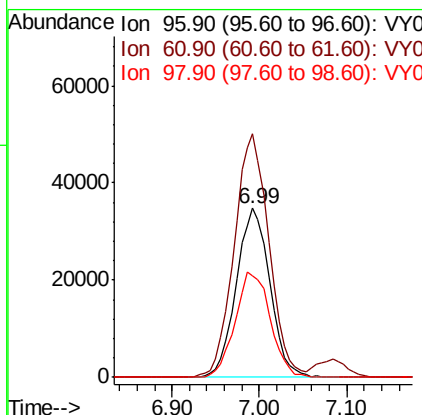
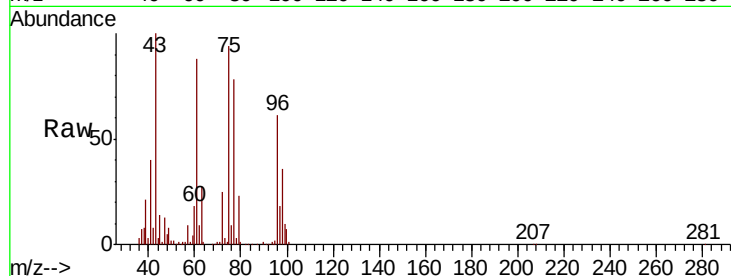
cis-1,2-Dichloroethene
Concen: 20.779 ug/l
RT: 6.99 min Scan# 862
Delta R.T. 0.00 min
Lab File: VY003077.D
Acq: 02 Jul 2020 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VY0702SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	148.4	0.0	301.2
98	64.6	0.0	129.0

Manual Integrations
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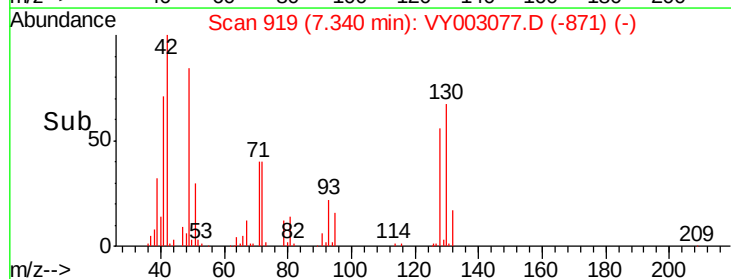
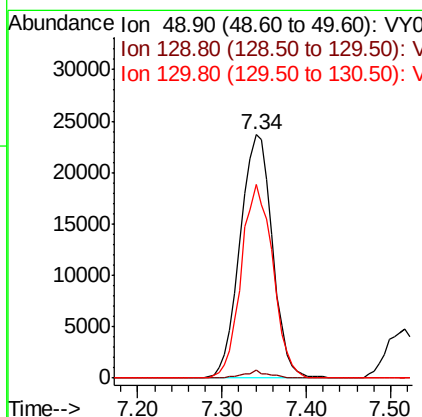
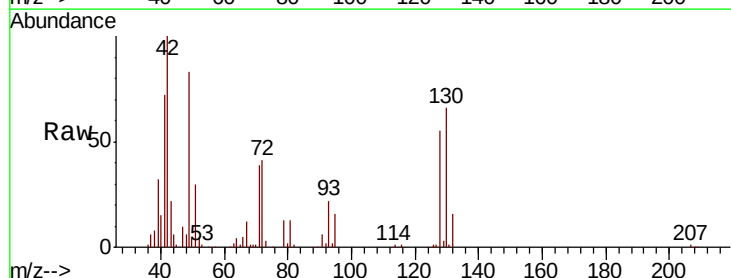
MMDadoda
7/6/2020 10:43:20 AM

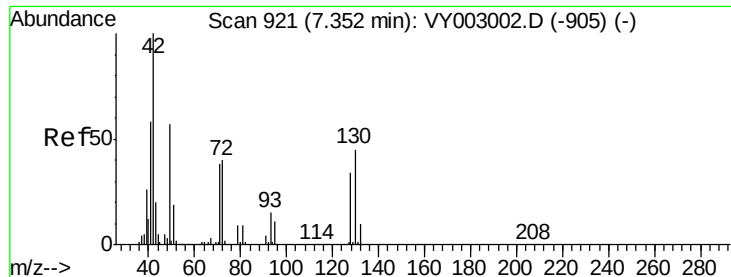


#28

Bromochloromethane
Concen: 19.106 ug/l
RT: 7.34 min Scan# 919
Delta R.T. -0.01 min
Lab File: VY003077.D
Acq: 02 Jul 2020 11:46

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	4.4
130	77.9	57.0	85.6





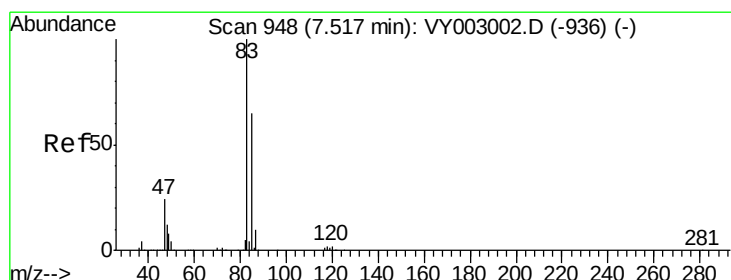
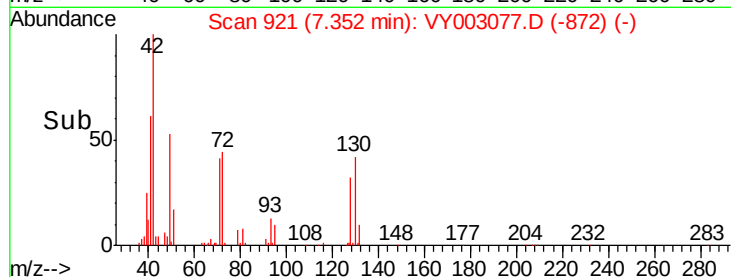
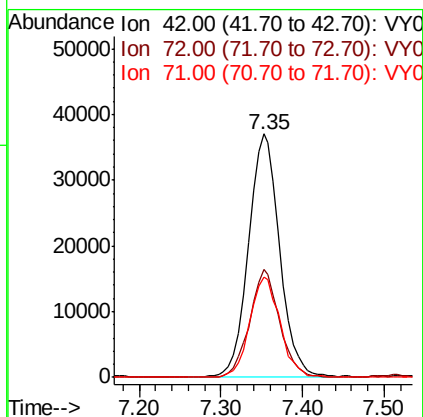
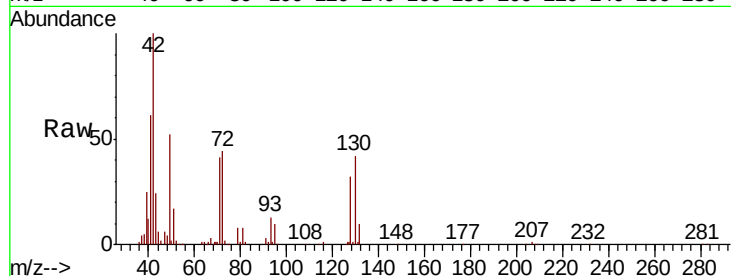
#29
Tetrahydrofuran
Concen: 97.788 ug/l
RT: 7.35 min Scan# 921
Delta R.T. 0.00 min
Lab File: VY003077.D
Acq: 02 Jul 2020 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VY0702SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.4	32.9	49.3
71	40.3	31.2	46.8

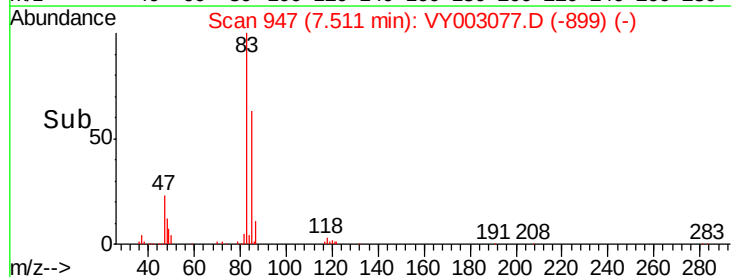
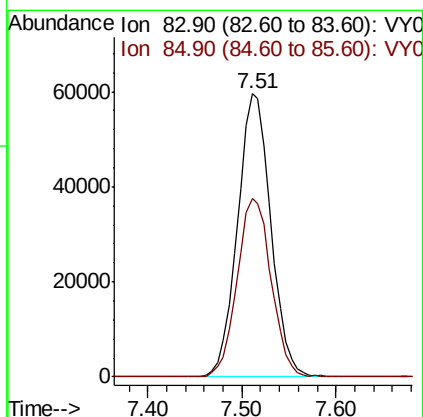
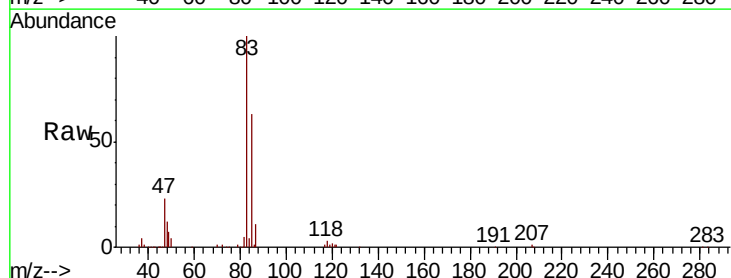
Manual Integrations
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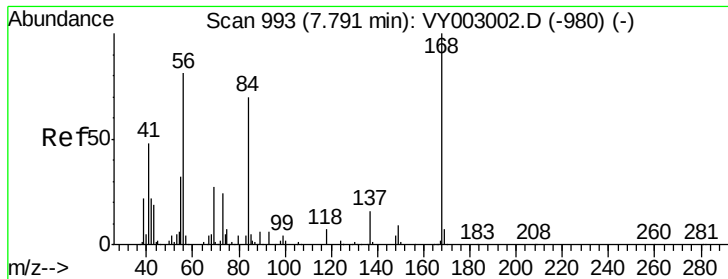
MMDadoda
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#30
Chloroform
Concen: 20.535 ug/l
RT: 7.51 min Scan# 947
Delta R.T. -0.01 min
Lab File: VY003077.D
Acq: 02 Jul 2020 11:46

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.9	51.7	77.5





#31

Cyclohexane

Concen: 19.399 ug/l

RT: 7.78 min Scan# 992

Delta R.T. -0.01 min

Lab File: VY003077.D

Acq: 02 Jul 2020 11:46

Instrument :

MSVOA_Y

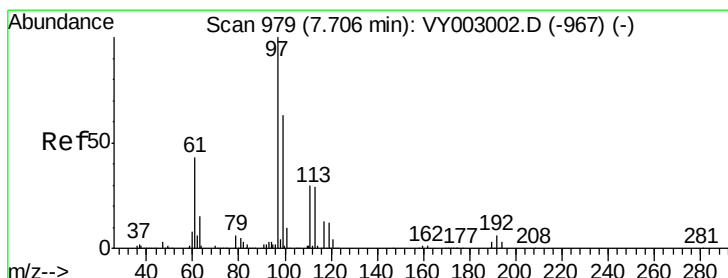
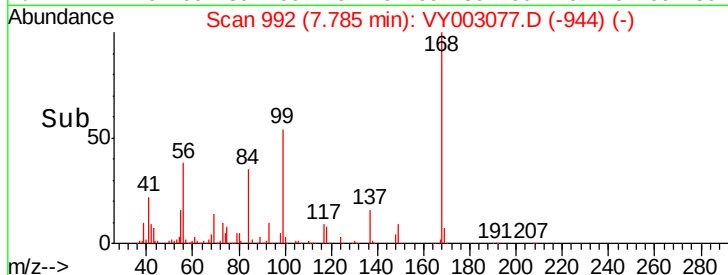
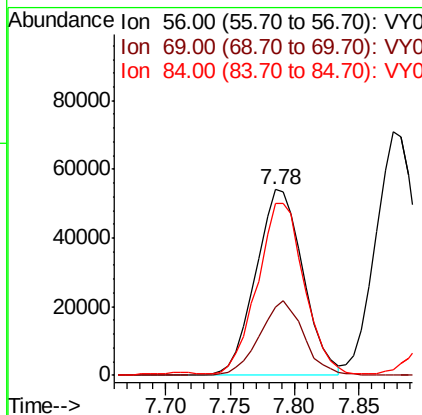
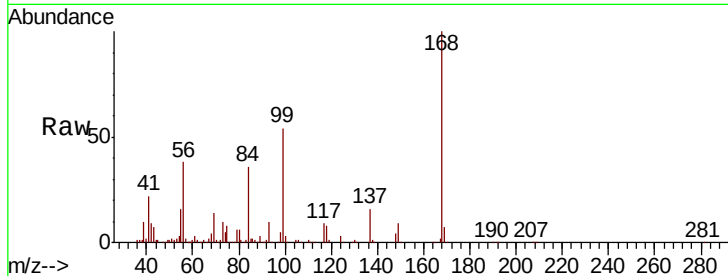
ClientSampleId :

VY0702SBS01

Tot Ion:	56	Resp:	138196
Ion Ratio	Lower	Upper	
56	100		
69	37.1	27.0	40.4
84	90.9	68.1	102.1

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.591 ug/l

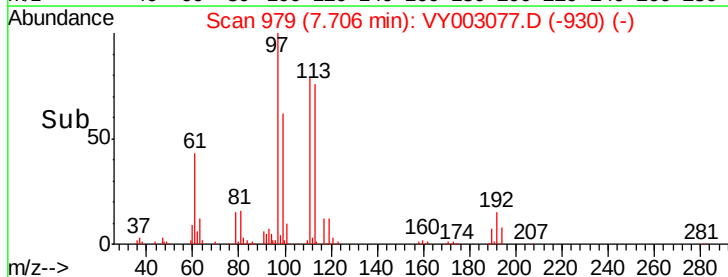
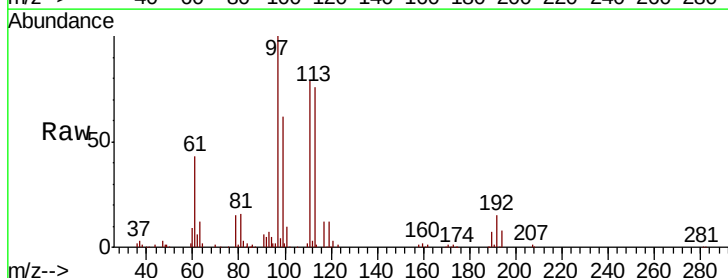
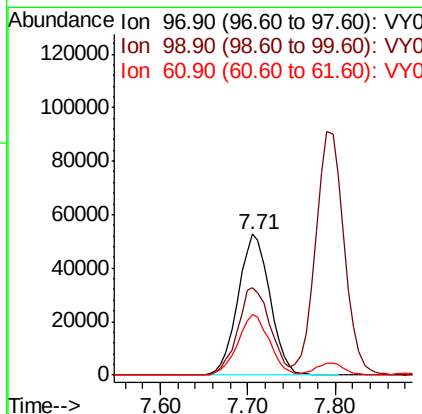
RT: 7.71 min Scan# 979

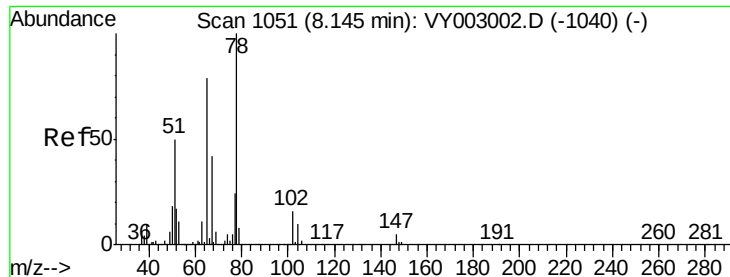
Delta R.T. 0.00 min

Lab File: VY003077.D

Acq: 02 Jul 2020 11:46

Tgt Ion:	97	Resp:	134645
Ion Ratio	Lower	Upper	
97	100		
99	62.9	51.4	77.2
61	42.2	33.9	50.9





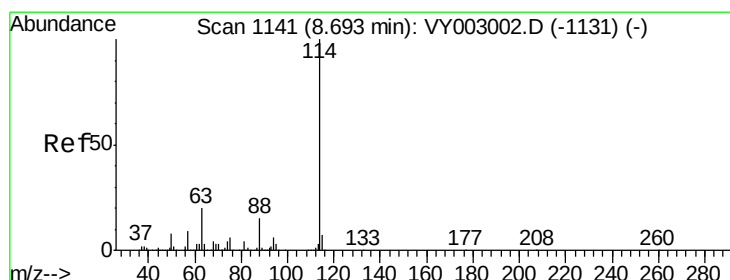
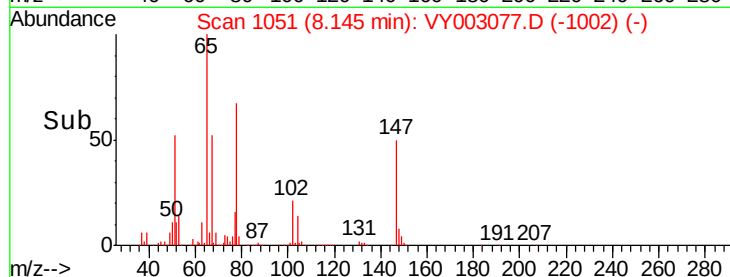
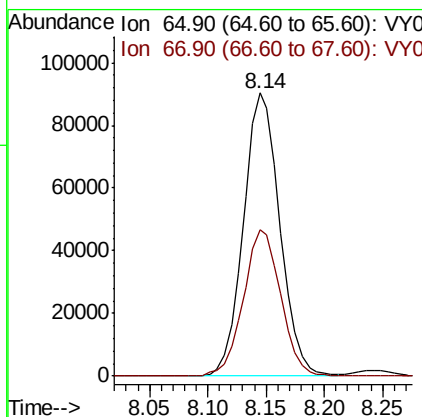
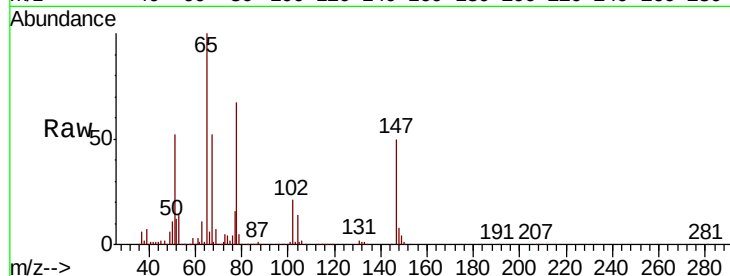
#33
 1,2-Dichloroethane-d4
 Concen: 48.557 ug/l
 RT: 8.14 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VY003077.D
 Acq: 02 Jul 2020 11:46

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0702SBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.1	0.0	105.6

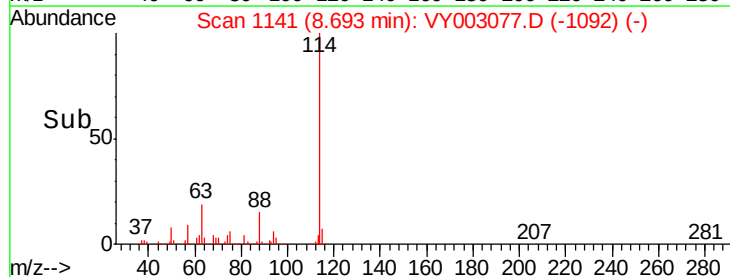
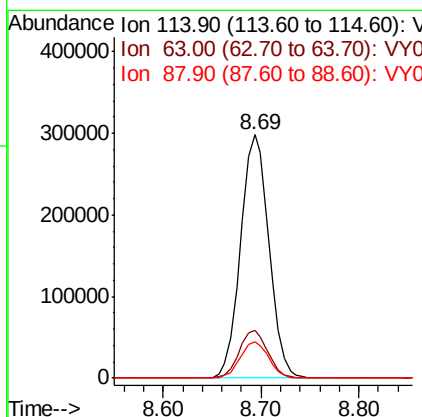
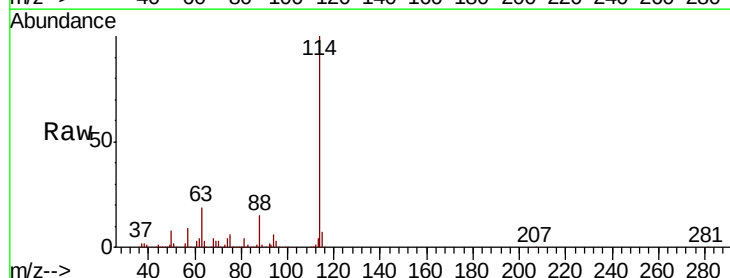
Manual Integrations
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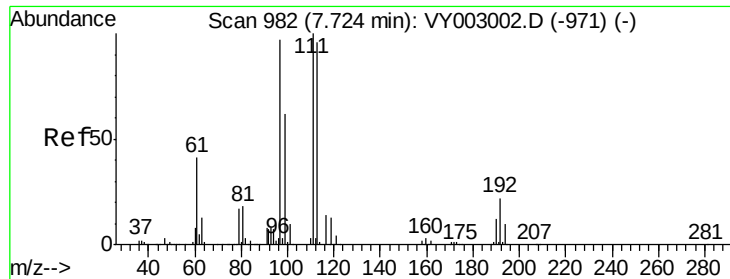
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 7/6/2020 10:43:20 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: VY003077.D
 Acq: 02 Jul 2020 11:46

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.5	0.0	40.6
88	15.0	0.0	30.0





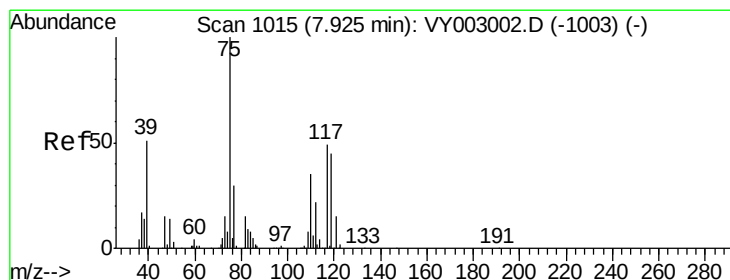
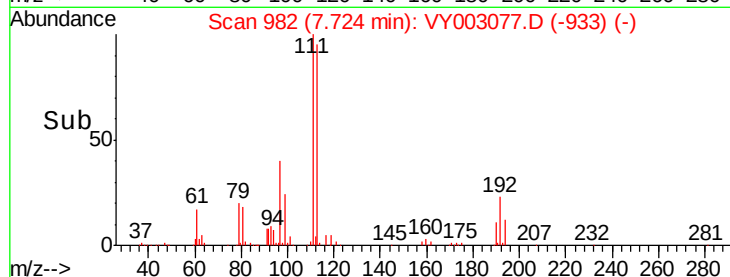
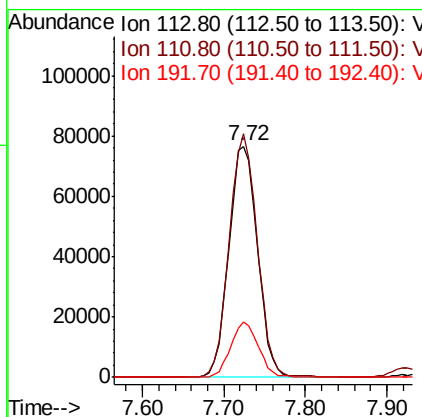
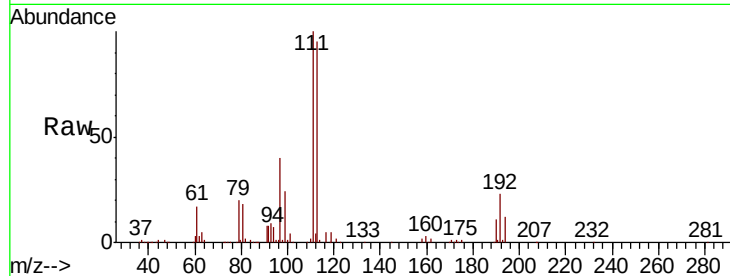
#35
 Dibromofluoromethane
 Concen: 49.687 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: VY003077.D
 Acq: 02 Jul 2020 11:46

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0702SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	185644		
111	103.0	82.6	123.8	
192	23.0	18.1	27.1	

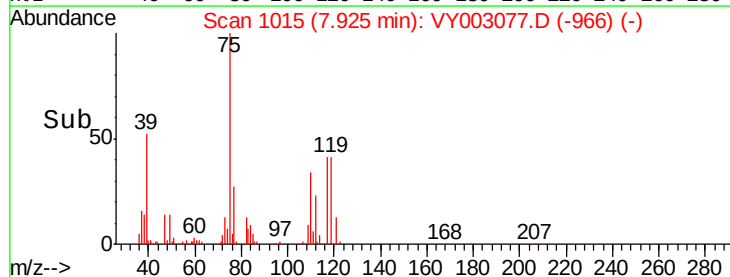
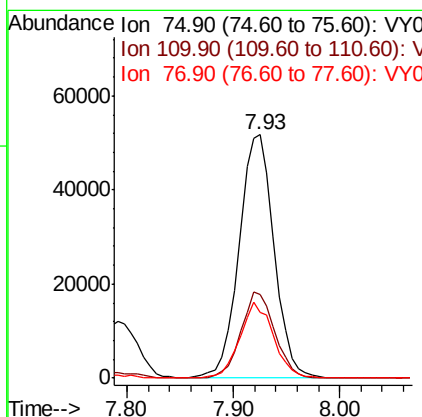
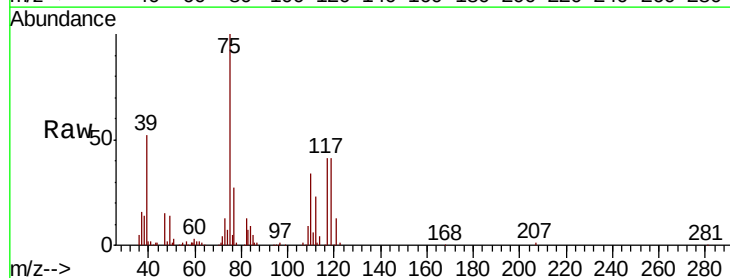
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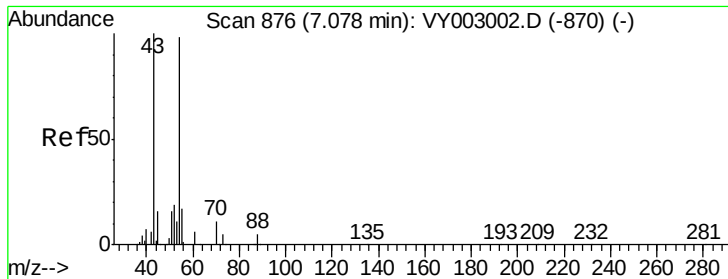
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#36
 1,1-Dichloropropene
 Concen: 20.682 ug/l
 RT: 7.93 min Scan# 1015
 Delta R.T. 0.00 min
 Lab File: VY003077.D
 Acq: 02 Jul 2020 11:46

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	119318		
110	34.2	17.1	51.2	
77	30.0	24.9	37.3	





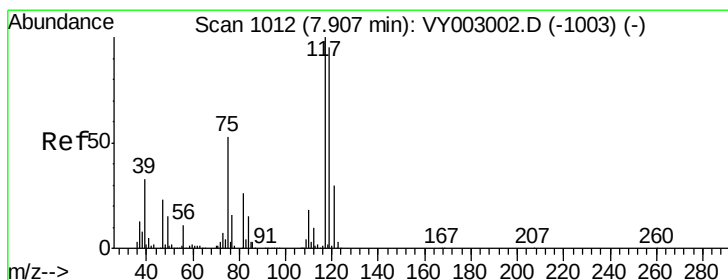
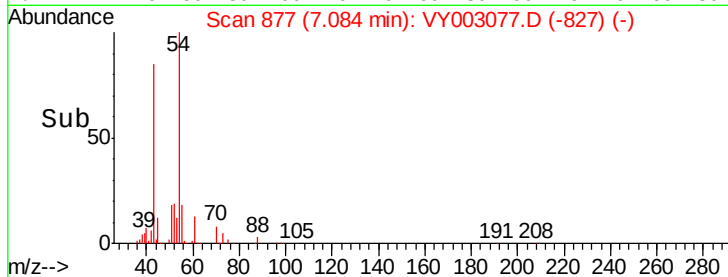
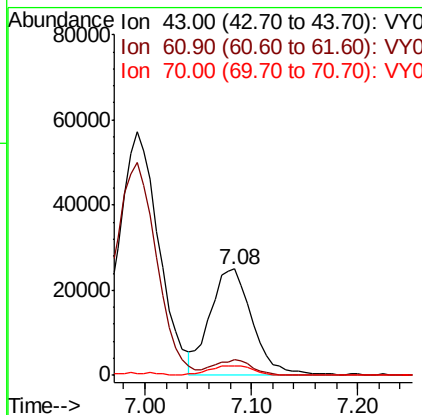
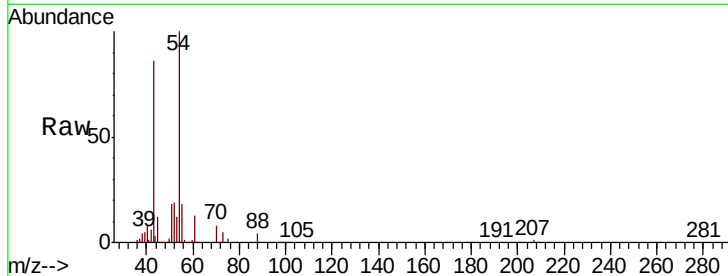
#37
Ethyl Acetate
Concen: 19.713 ug/l
RT: 7.08 min Scan# 877
Delta R.T. 0.01 min
Lab File: VY003077.D
Acq: 02 Jul 2020 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VY0702SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.4	15.6
70	9.8	7.7	11.5

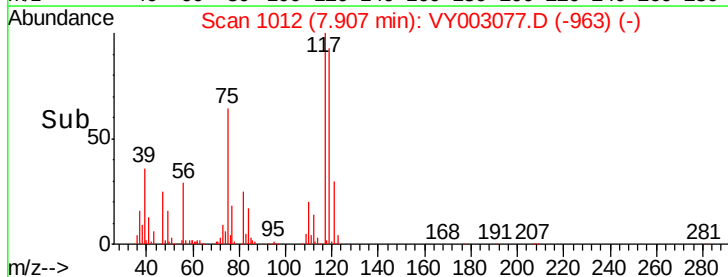
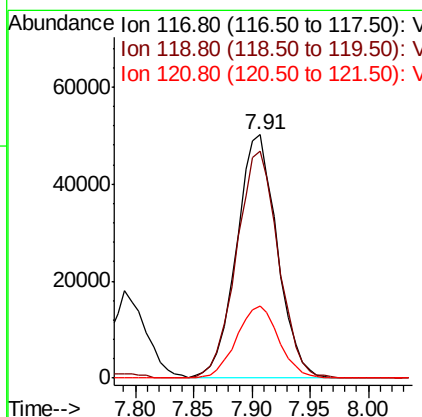
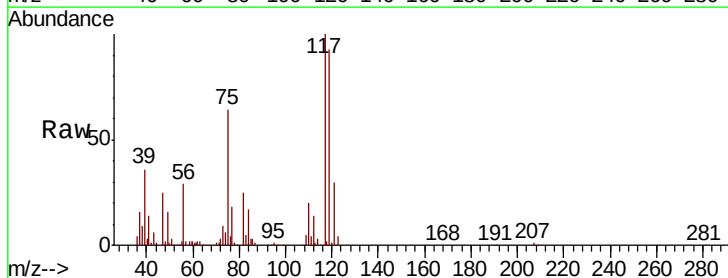
Manual Integrations
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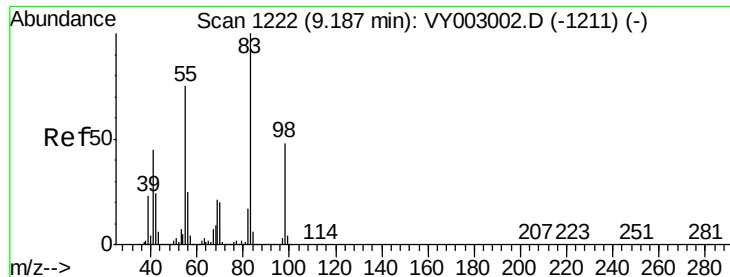
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#38
Carbon Tetrachloride
Concen: 20.348 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VY003077.D
Acq: 02 Jul 2020 11:46

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.3	75.7	113.5
121	29.8	23.9	35.9





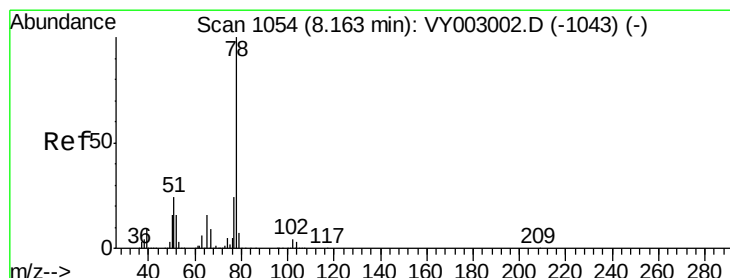
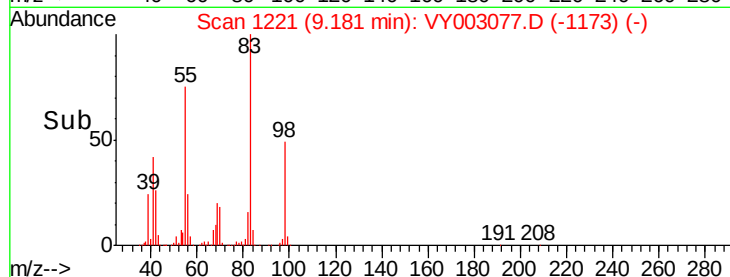
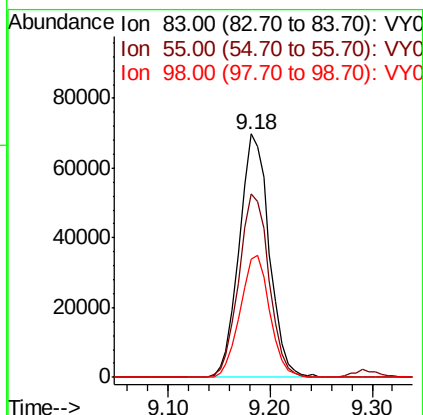
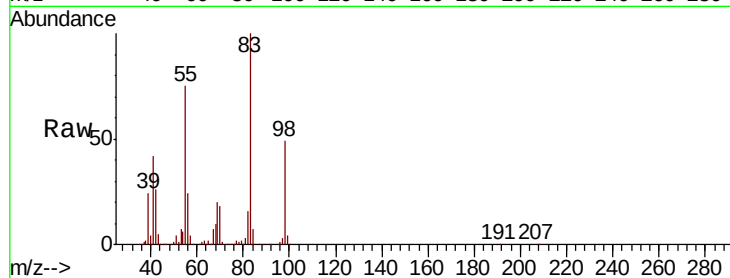
#39
Methylvlcyclohexane
Concen: 19.951 ug/l
RT: 9.18 min Scan# 1221
Delta R.T. -0.01 min
Lab File: VY003077.D
Acq: 02 Jul 2020 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VY0702SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.4	59.9	89.9
98	48.6	38.7	58.1

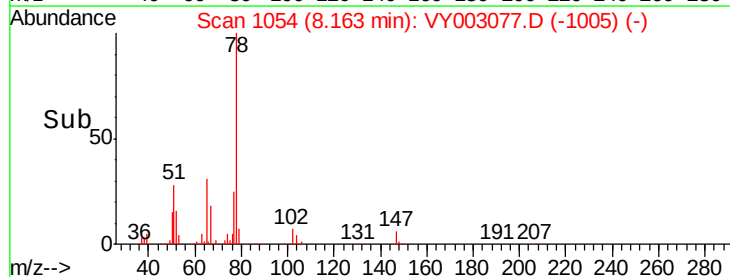
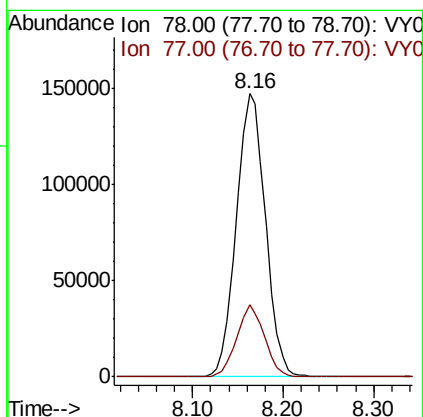
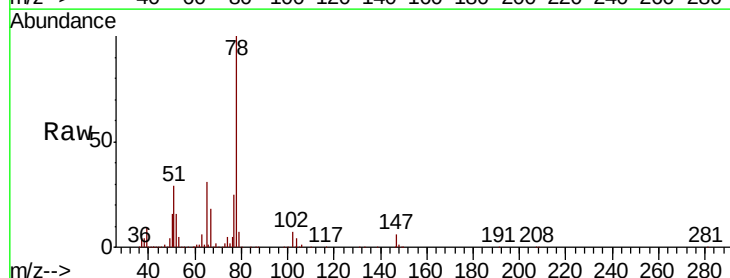
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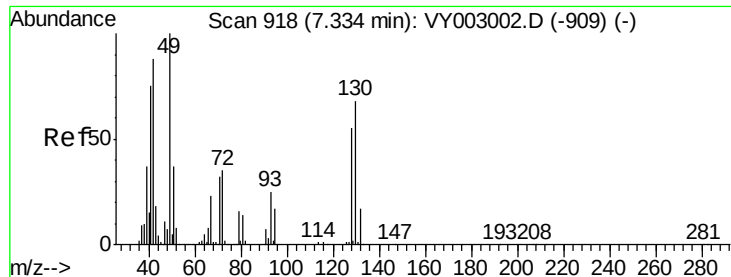
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#40
Benzene
Concen: 20.759 ug/l
RT: 8.16 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VY003077.D
Acq: 02 Jul 2020 11:46

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.3	19.2	28.8





#41

Methacrylonitrile

Concen: 18.860 ug/l m

RT: 7.32 min Scan# 915

Delta R.T. -0.02 min

Lab File: VY003077.D

Acq: 02 Jul 2020 11:46

Instrument :

MSVOA_Y

ClientSampleId :

VY0702SBS01

Tot Ion: 41 Resp: 34947

Ion Ratio Lower Upper

41 100

39 126.1 85.7 128.5

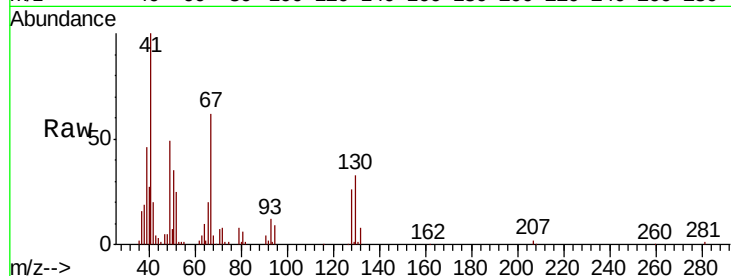
67 0.0 0.0 0.0

52 0.0 0.0 0.0

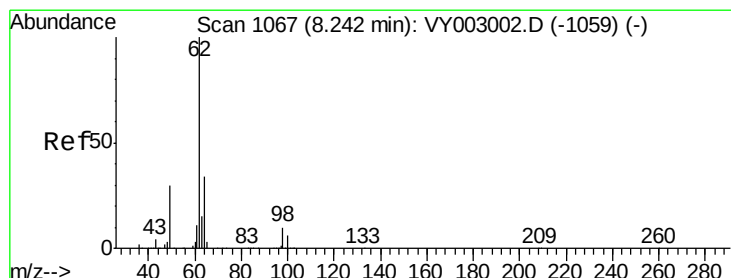
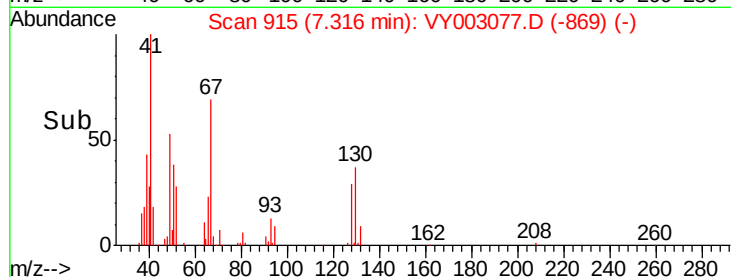
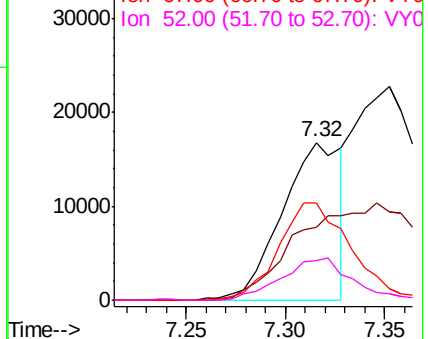
Manual Integrations
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Abundance Ion 41.00 (40.70 to 41.70): VY0
Ion 39.00 (38.70 to 39.70): VY0
Ion 67.00 (66.70 to 67.70): VY0
Ion 52.00 (51.70 to 52.70): VY0



#42

1,2-Dichloroethane

Concen: 20.509 ug/l

RT: 8.24 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VY003077.D

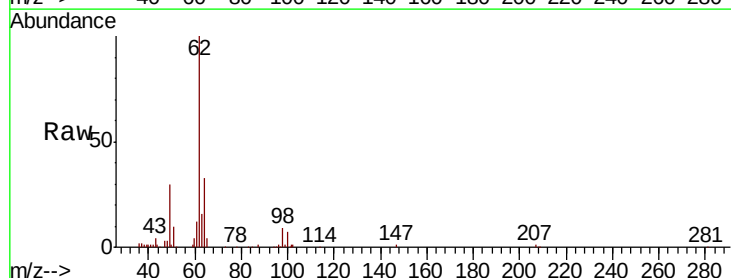
Acq: 02 Jul 2020 11:46

Tgt Ion: 62 Resp: 102475

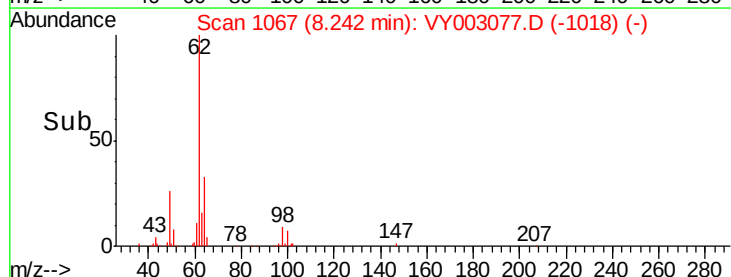
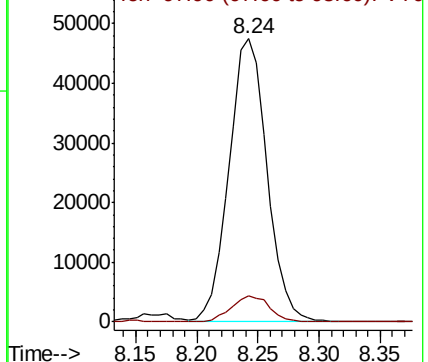
Ion Ratio Lower Upper

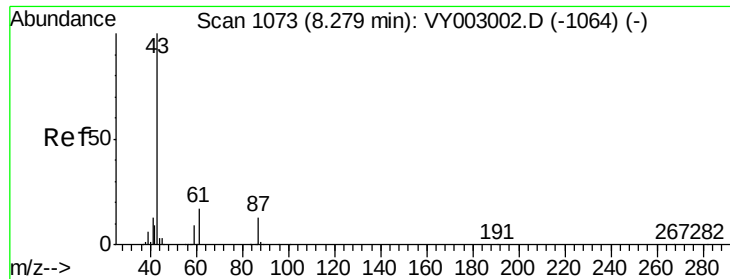
62 100

98 9.5 0.0 19.2



Abundance Ion 61.90 (61.60 to 62.60): VY0
Ion 97.90 (97.60 to 98.60): VY0





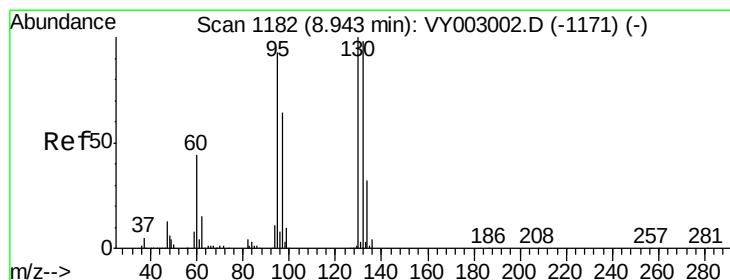
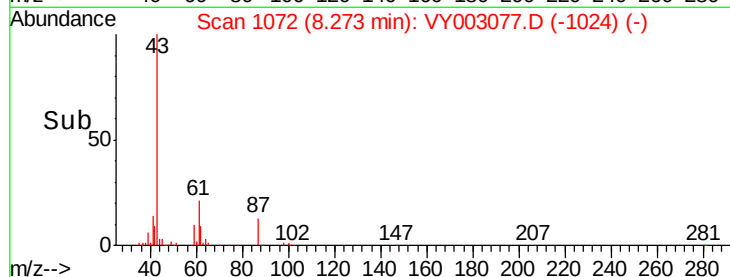
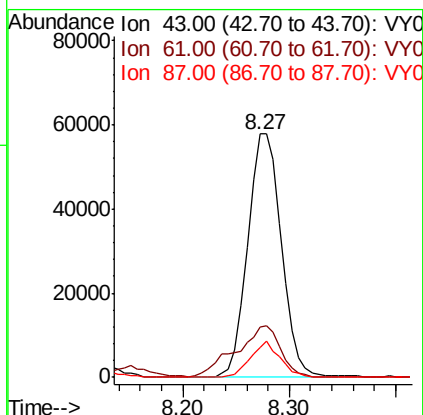
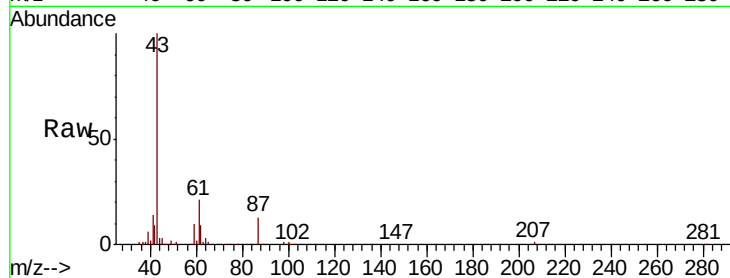
#43
Isopropyl Acetate
Concen: 19.521 ug/l
RT: 8.27 min Scan# 1072
Delta R.T. -0.01 min
Lab File: VY003077.D
Acq: 02 Jul 2020 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VY0702SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.2	21.8	32.6
87	13.1	10.1	15.1

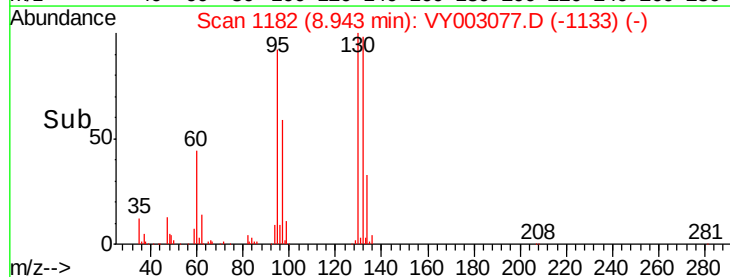
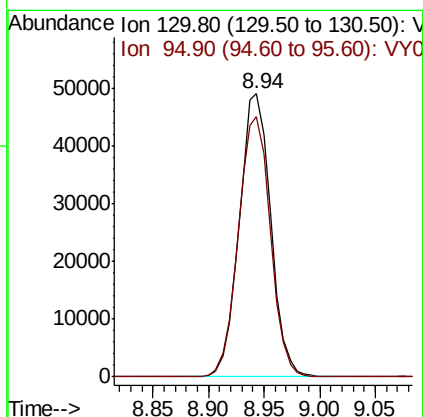
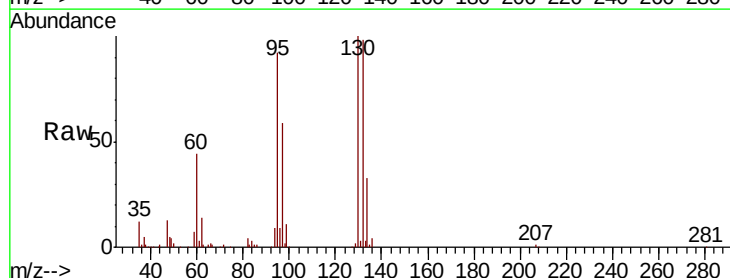
Manual Integrations
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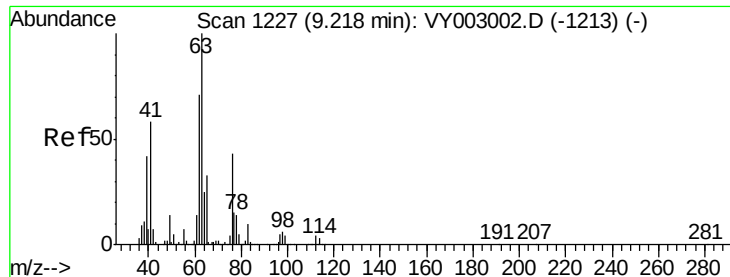
MMDadoda
7/6/2020 10:43:20 AM



#44
Trichloroethene
Concen: 20.957 ug/l
RT: 8.94 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VY003077.D
Acq: 02 Jul 2020 11:46

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.1	0.0	186.4





#45

1,2-Dichloropropane

Concen: 20.576 ug/l

RT: 9.22 min Scan# 1227

Delta R.T. 0.00 min

Lab File: VY003077.D

Acq: 02 Jul 2020 11:46

Instrument :

MSVOA_Y

ClientSampleId :

VY0702SBS01

Tot Ion: 63 Resp: 87435

Ion Ratio Lower Upper

63 100

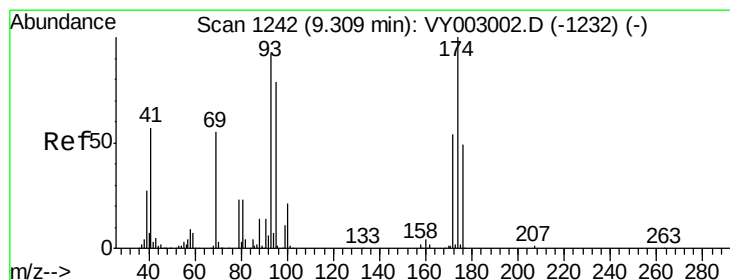
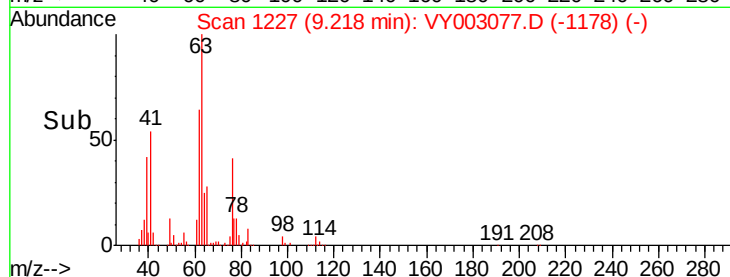
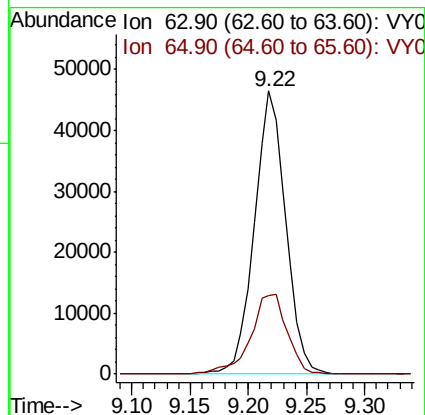
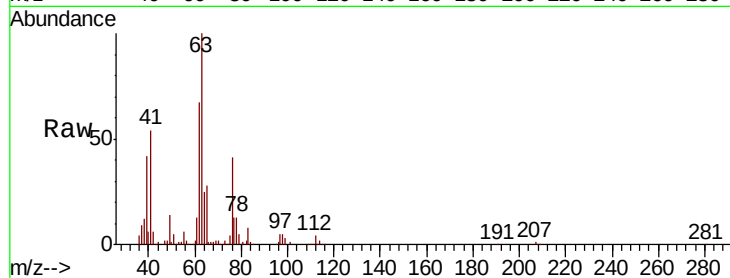
65 27.7 26.2 39.4

Manual Integrations

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7/6/2020 10:43:20 AM



#46

Dibromomethane

Concen: 20.459 ug/l

RT: 9.31 min Scan# 1242

Delta R.T. 0.00 min

Lab File: VY003077.D

Acq: 02 Jul 2020 11:46

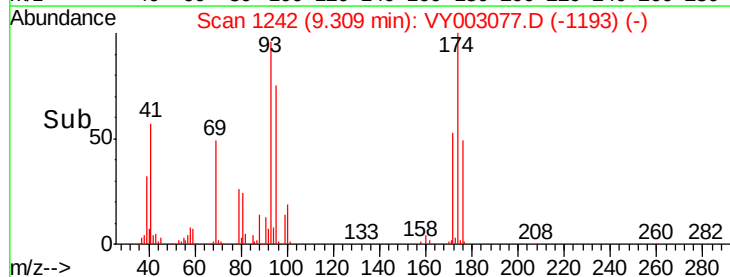
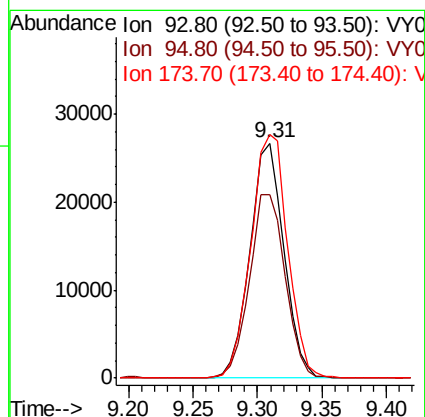
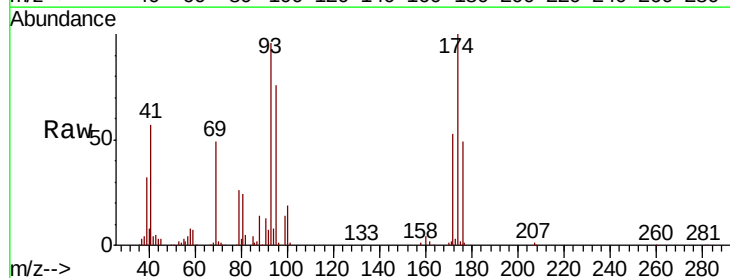
Tgt Ion: 93 Resp: 48555

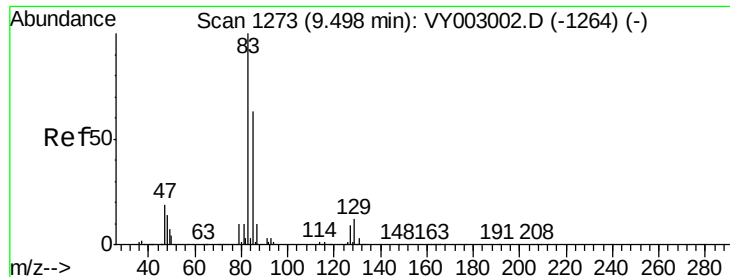
Ion Ratio Lower Upper

93 100

95 82.0 67.6 101.4

174 112.5 88.3 132.5





#47

Bromodichloromethane

Concen: 20.473 ug/l

RT: 9.50 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VY003077.D

Acq: 02 Jul 2020 11:46

Instrument :

MSVOA_Y

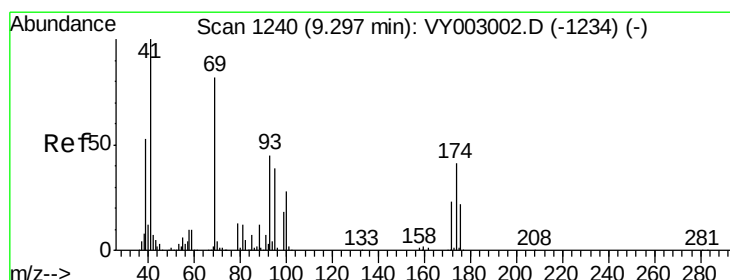
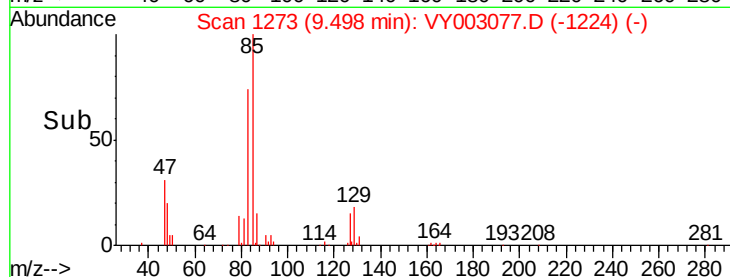
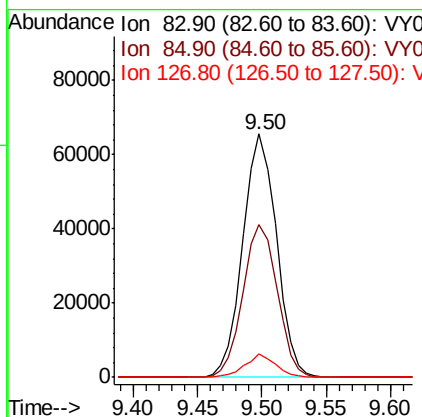
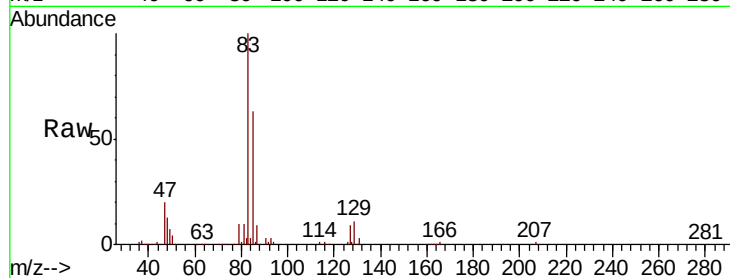
ClientSampleId :

VY0702SBS01

Tot Ion:	83	Resp:	118975
Ion	Ratio	Lower	Upper
83	100		
85	62.6	50.5	75.7
127	9.5	7.0	10.4

Manual Integrations
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7/6/2020 10:43:20 AM



#48

Methyl methacrylate

Concen: 18.921 ug/l

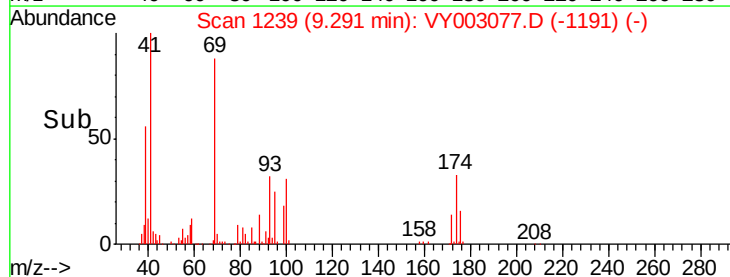
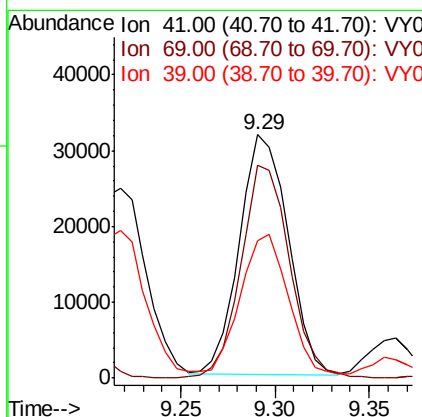
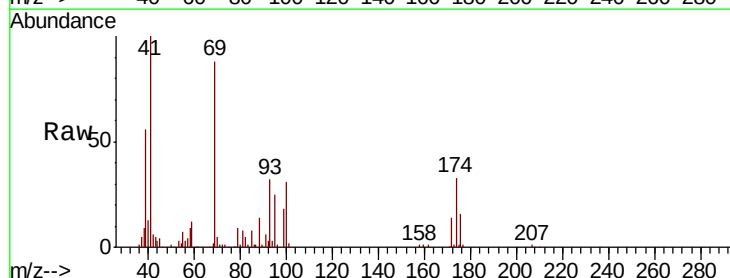
RT: 9.29 min Scan# 1239

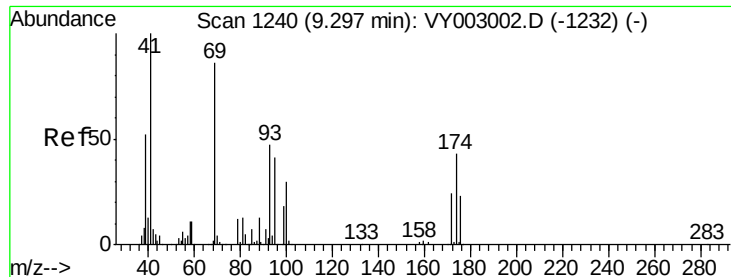
Delta R.T. -0.01 min

Lab File: VY003077.D

Acq: 02 Jul 2020 11:46

Tgt Ion:	41	Resp:	56792
Ion	Ratio	Lower	Upper
41	100		
69	89.1	67.7	101.5
39	60.9	45.0	67.4





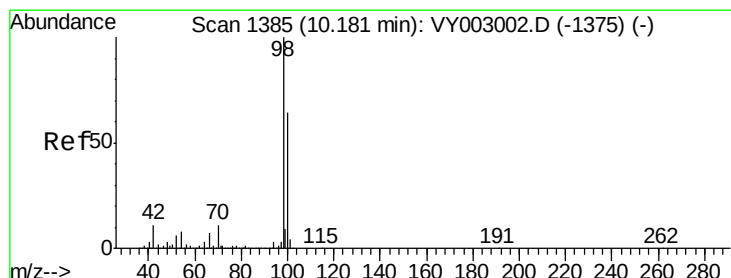
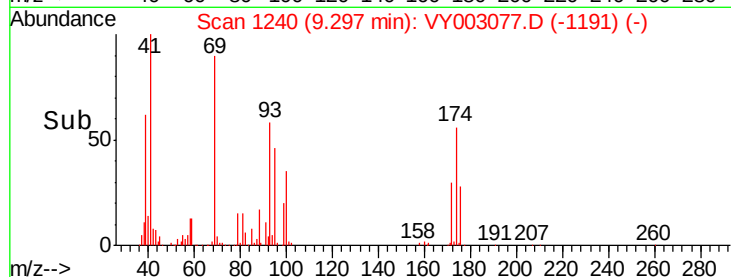
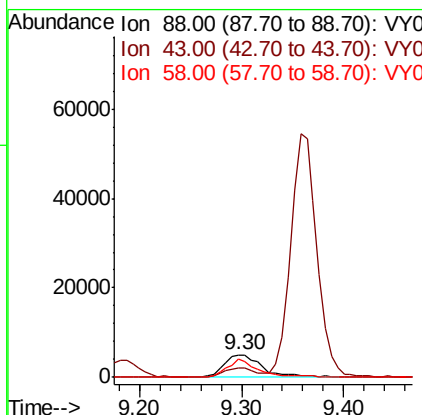
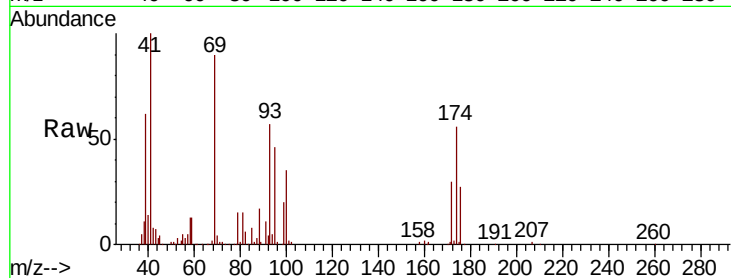
#49
1,4-Dioxane
Concen: 456.008 ug/l
RT: 9.30 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VY003077.D
Acq: 02 Jul 2020 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VY0702SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.0	28.6	42.8
58	67.7	56.7	85.1

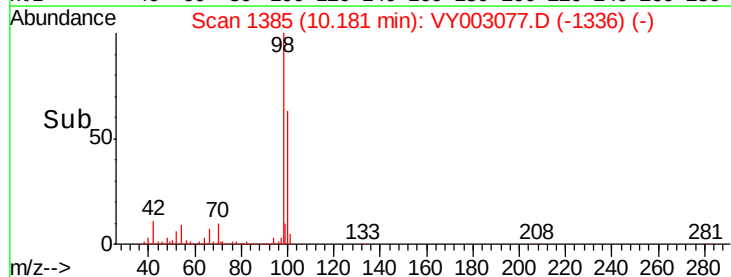
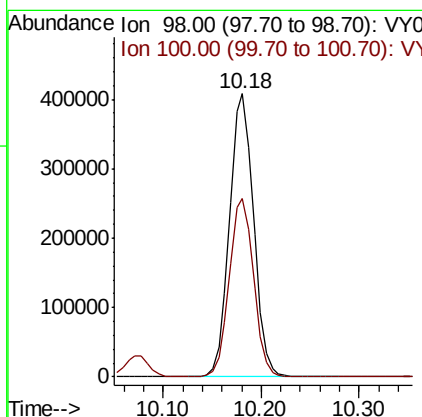
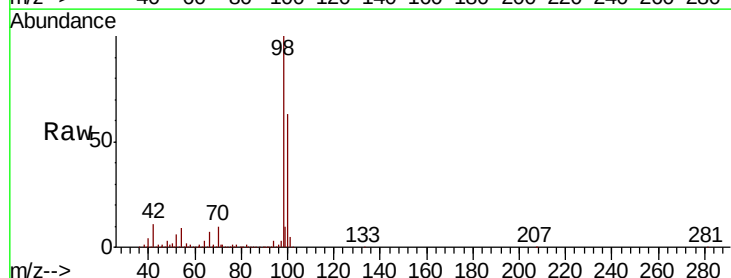
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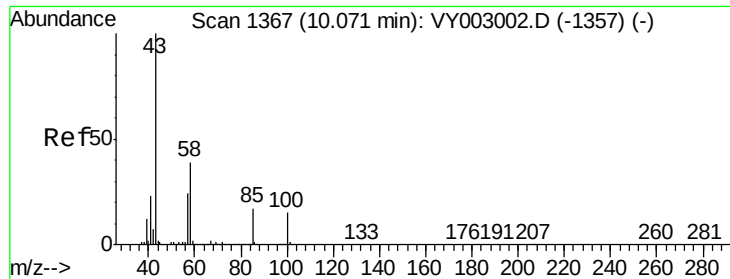
MMDadoda
7/6/2020 10:43:20 AM



#50
Toluene-d8
Concen: 50.076 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VY003077.D
Acq: 02 Jul 2020 11:46

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.8	51.1	76.7





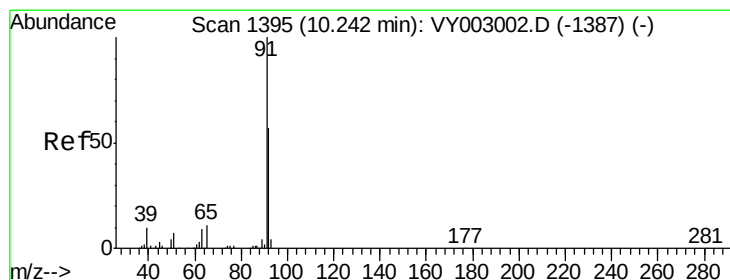
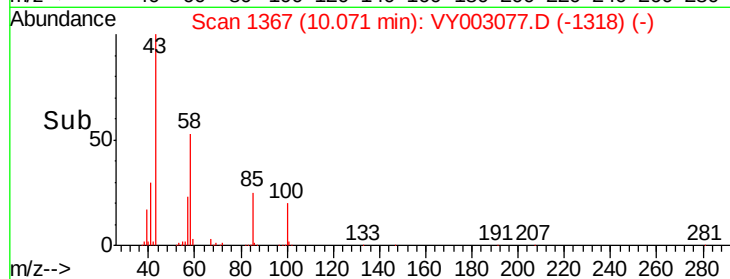
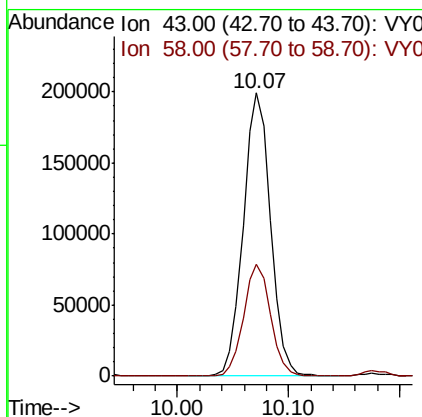
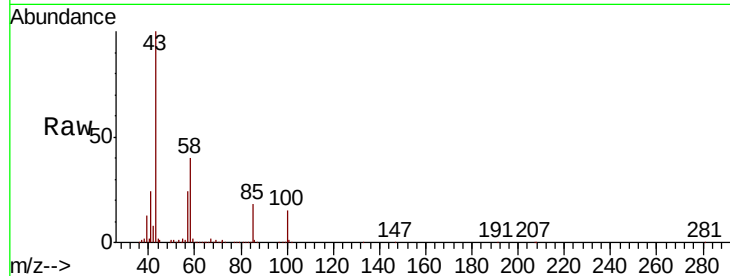
#51
4-Methyl-2-Pentanone
Concen: 98.981 ug/l
RT: 10.07 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VY003077.D
Acq: 02 Jul 2020 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VY0702SBS01

Tot Ion	43	Resp	337355
Ion Ratio	100	Lower	Upper
43	100		
58	39.3	31.1	46.7

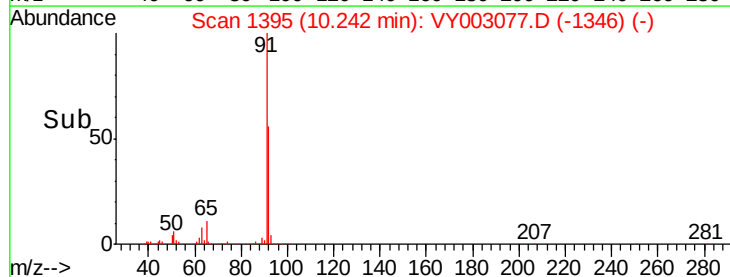
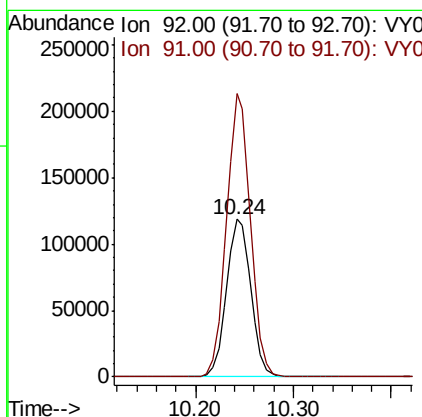
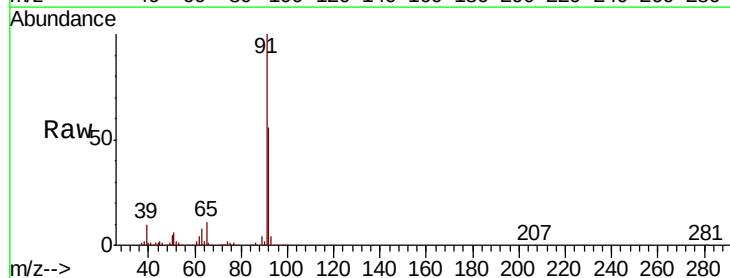
Manual Integrations
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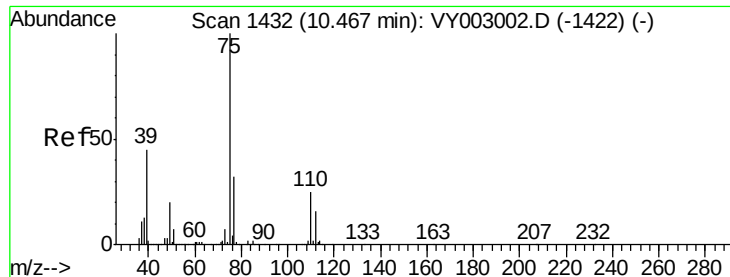
MMDadoda
7/6/2020 10:43:20 AM



#52
Toluene
Concen: 20.605 ug/l
RT: 10.24 min Scan# 1395
Delta R.T. 0.00 min
Lab File: VY003077.D
Acq: 02 Jul 2020 11:46

Tgt Ion	92	Resp	204870
Ion Ratio	100	Lower	Upper
92	100		
91	175.8	139.6	209.4





#53

t-1,3-Dichloropropene

Concen: 20.197 ug/l

RT: 10.47 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VY003077.D

Acq: 02 Jul 2020 11:46

Instrument :

MSVOA_Y

ClientSampleId :

VY0702SBS01

Tot Ion: 75 Resp: 123057

Ion Ratio Lower Upper

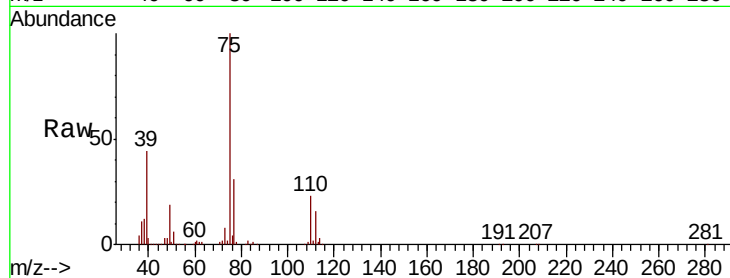
75 100

77 30.5 25.9 38.9

Manual Integrations
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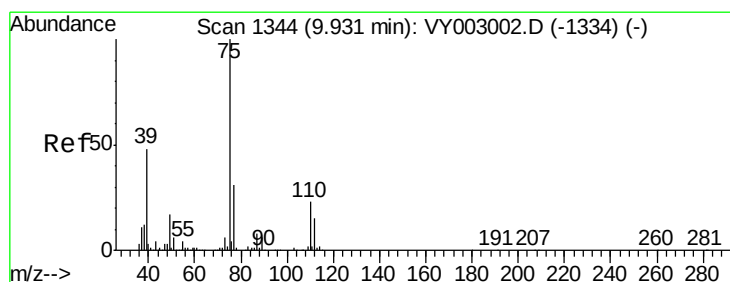
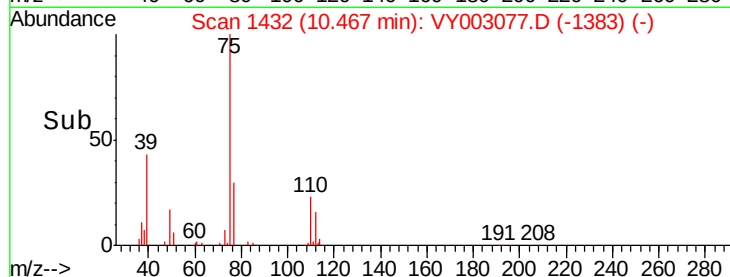
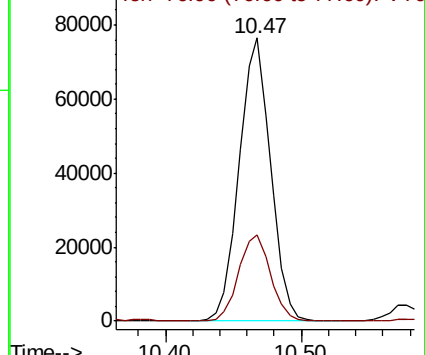
MMDadoda

7/6/2020 10:43:20 AM



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0



#54

cis-1,3-Dichloropropene

Concen: 20.299 ug/l

RT: 9.93 min Scan# 1344

Delta R.T. 0.00 min

Lab File: VY003077.D

Acq: 02 Jul 2020 11:46

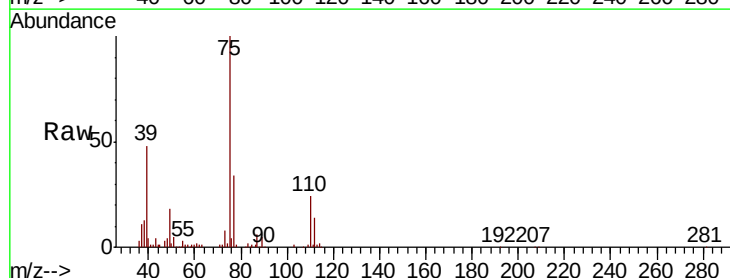
Tgt Ion: 75 Resp: 141443

Ion Ratio Lower Upper

75 100

77 34.0 24.6 37.0

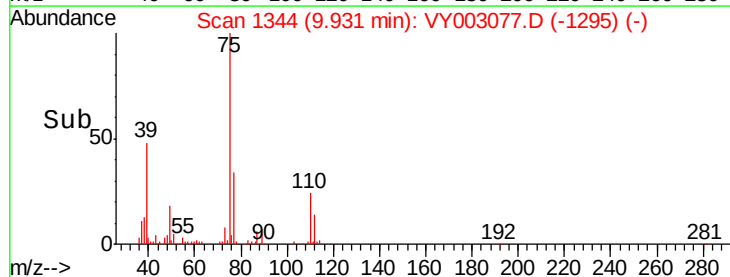
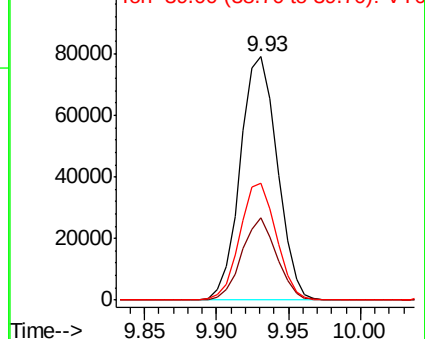
39 48.0 38.3 57.5

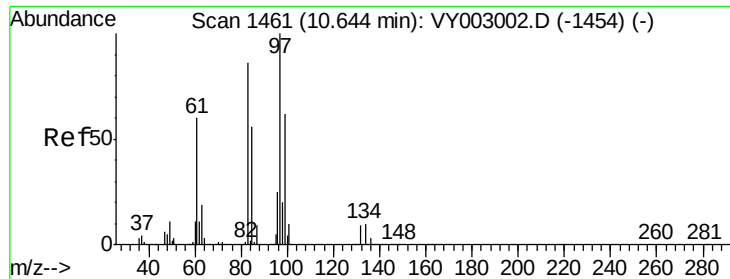


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0

Ion 39.00 (38.70 to 39.70): VY0





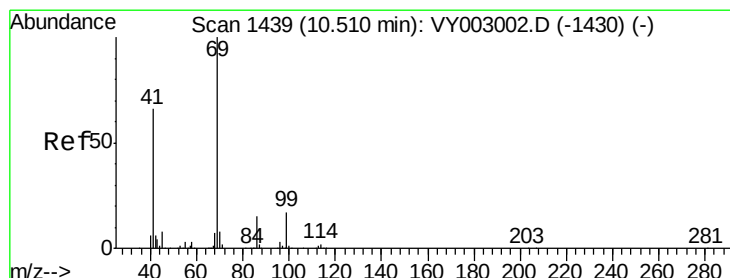
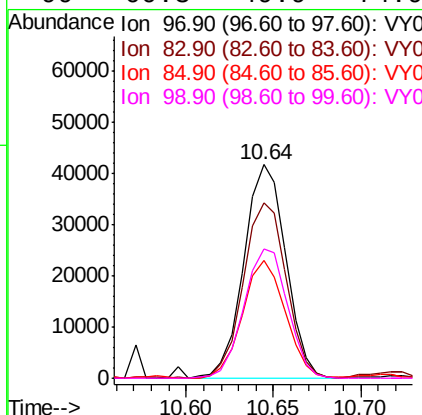
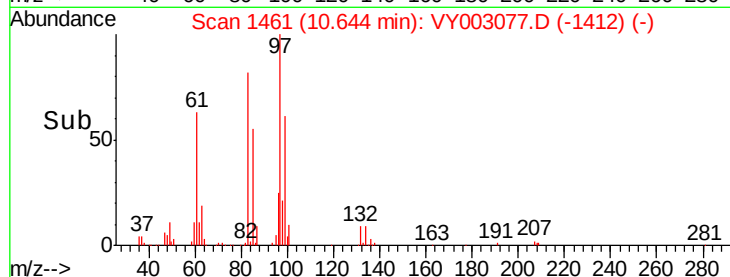
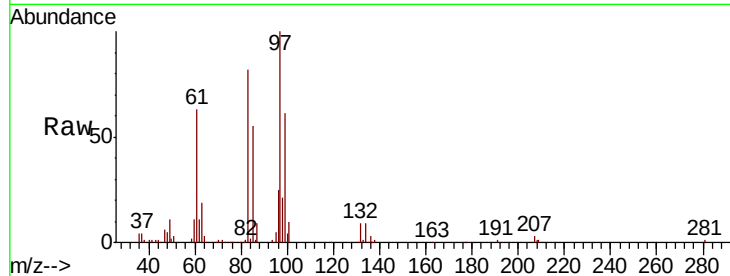
#55
 1,1,2-Trichloroethane
 Concen: 21.194 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. 0.00 min
 Lab File: VY003077.D
 Acq: 02 Jul 2020 11:46

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0702SBS01

Tot Ion	97	Resp	69898
Ion	Ratio	Lower	Upper
97	100		
83	82.1	69.0	103.6
85	54.9	44.8	67.2
99	60.3	49.9	74.9

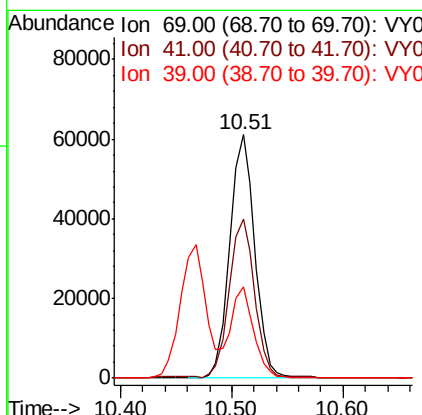
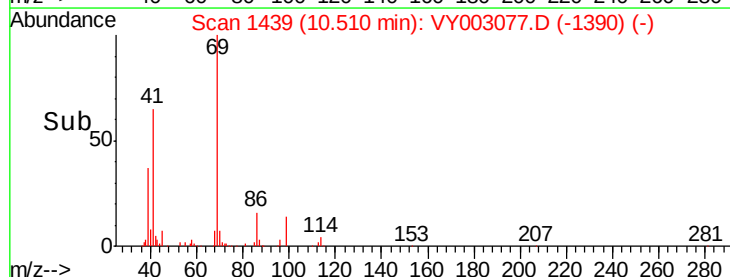
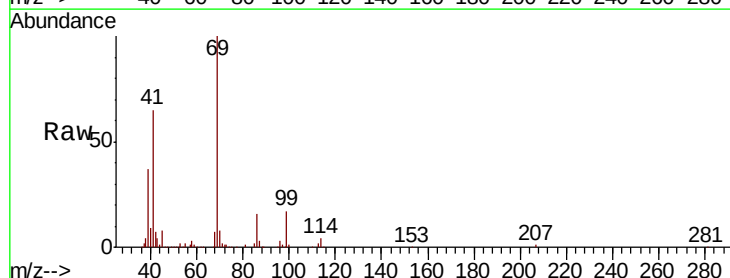
Manual Integrations
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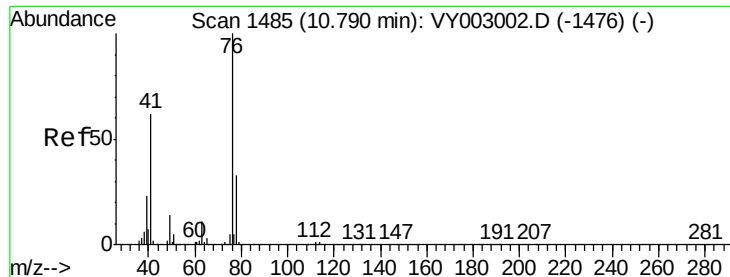
MMDadoda
 7/6/2020 10:43:20 AM



#56
 Ethyl methacrylate
 Concen: 19.896 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. 0.00 min
 Lab File: VY003077.D
 Acq: 02 Jul 2020 11:46

Tgt Ion	69	Resp	94980
Ion	Ratio	Lower	Upper
69	100		
41	66.4	53.7	80.5
39	35.4	28.3	42.5





#57

1,3-Dichloropropane

Concen: 20.454 ug/l

RT: 10.79 min Scan# 1485

Delta R.T. 0.00 min

Lab File: VY003077.D

Acq: 02 Jul 2020 11:46

Instrument :

MSVOA_Y

ClientSampleId :

VY0702SBS01

Tot Ion: 76 Resp: 118417

Ion Ratio Lower Upper

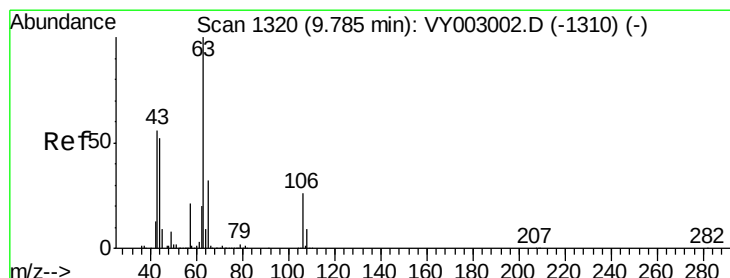
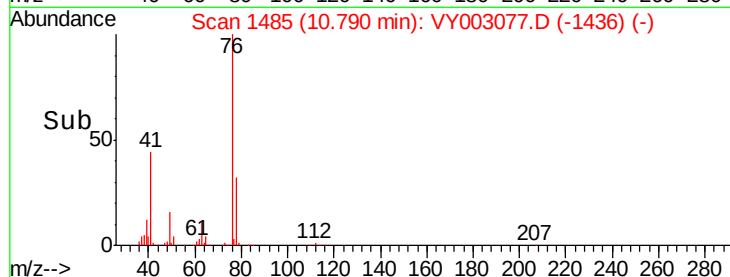
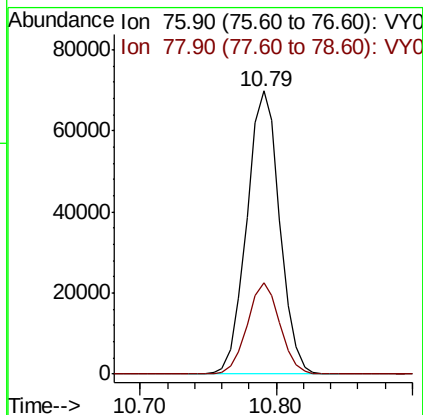
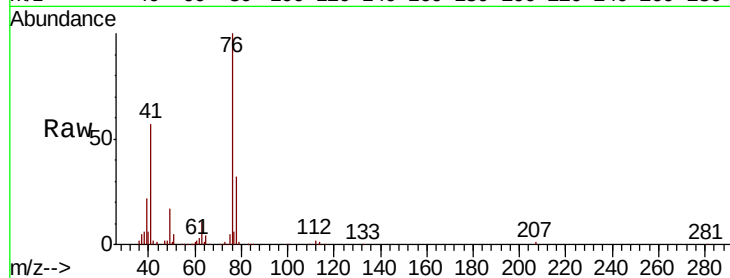
76 100

78 31.9 26.0 39.0

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MMDadoda

7/6/2020 10:43:20 AM



#58

2-Chloroethyl Vinyl ether

Concen: 93.162 ug/l

RT: 9.78 min Scan# 1320

Delta R.T. 0.00 min

Lab File: VY003077.D

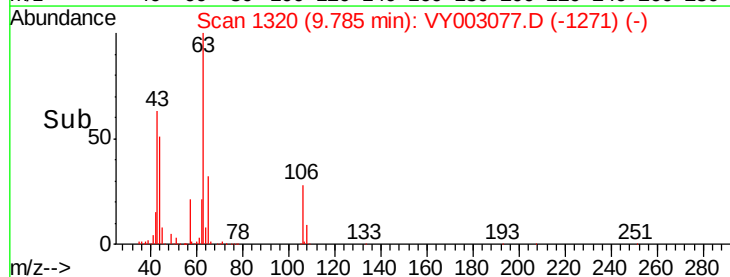
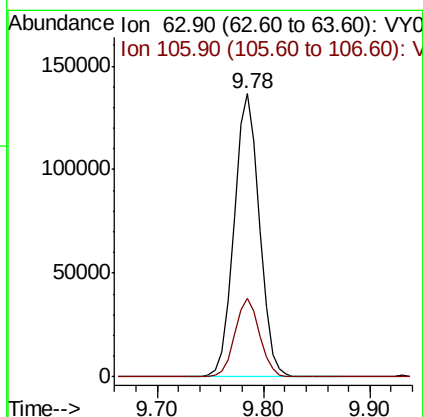
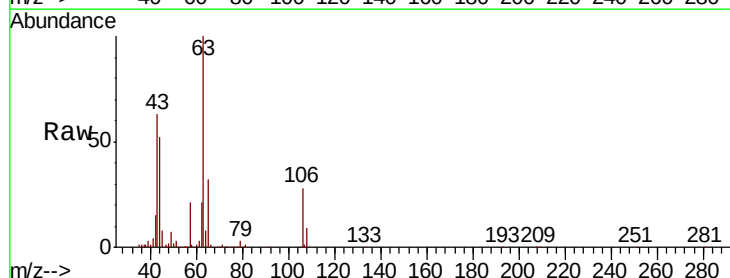
Acq: 02 Jul 2020 11:46

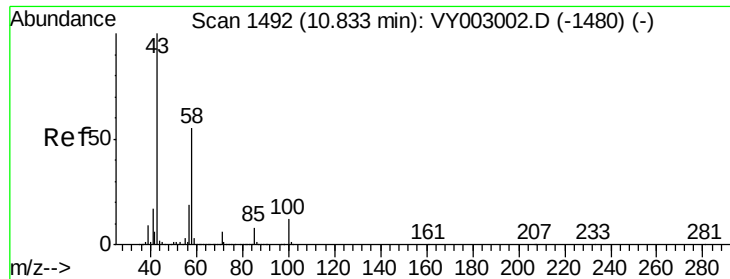
Tgt Ion: 63 Resp: 228100

Ion Ratio Lower Upper

63 100

106 27.2 21.5 32.3





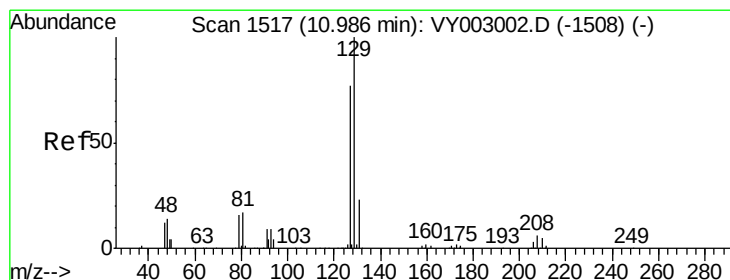
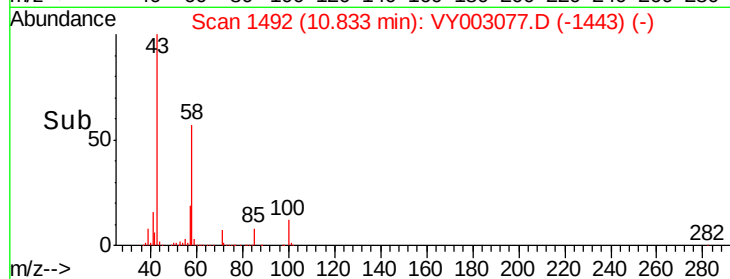
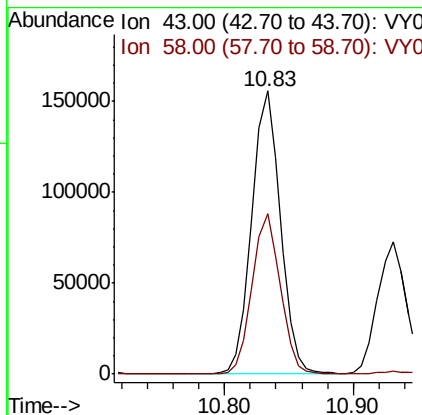
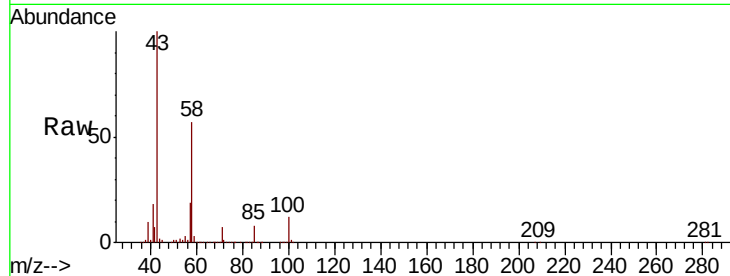
#59
2-Hexanone
Concen: 100.438 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VY003077.D
Acq: 02 Jul 2020 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VY0702SBS01

Tot Ion: 43 Resp: 239271
Ion Ratio Lower Upper
43 100
58 55.6 27.5 82.4

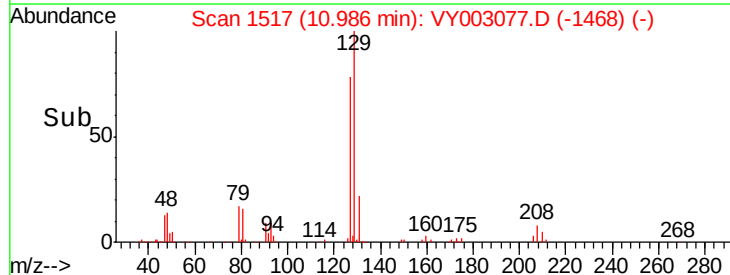
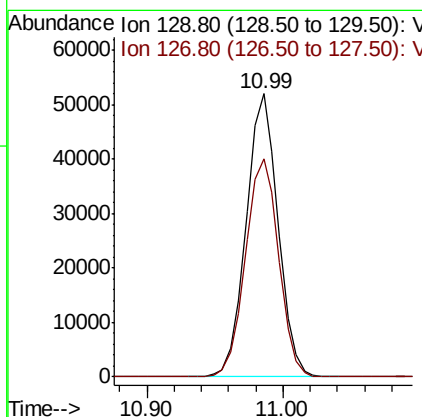
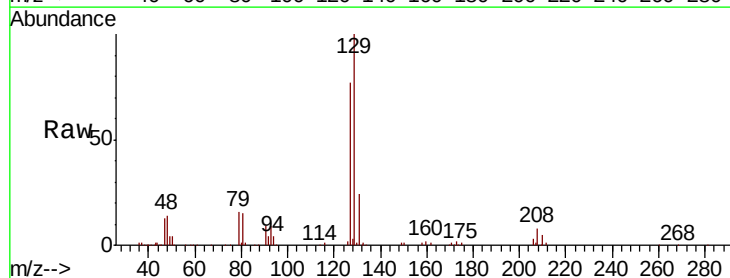
Manual Integrations
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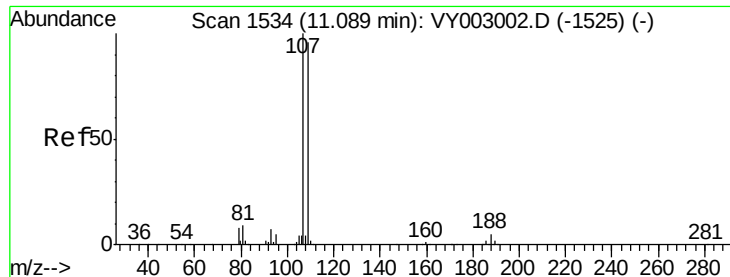
MMDadoda
7/6/2020 10:43:20 AM



#60
Dibromochloromethane
Concen: 20.242 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VY003077.D
Acq: 02 Jul 2020 11:46

Tgt Ion: 129 Resp: 85430
Ion Ratio Lower Upper
129 100
127 80.1 39.1 117.3





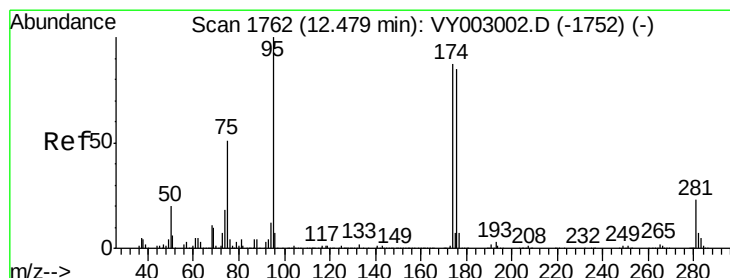
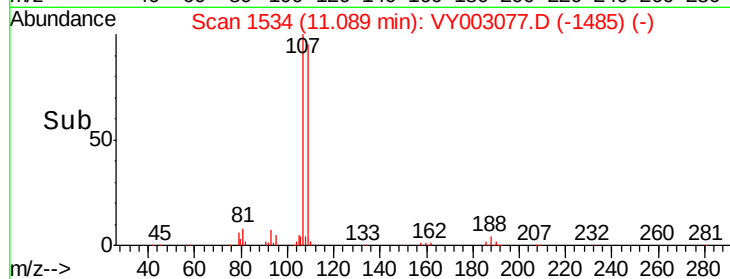
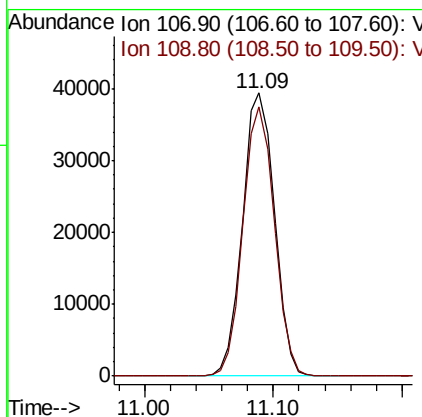
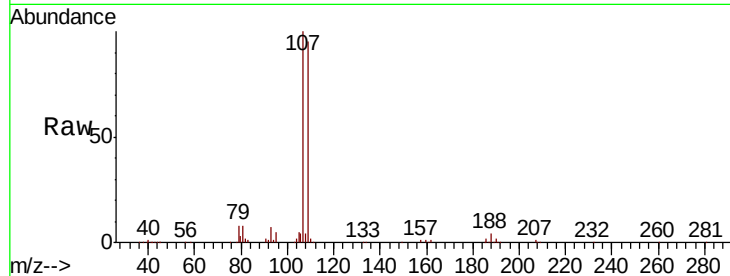
#61
 1,2-Dibromoethane
 Concen: 20.763 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VY003077.D
 Acq: 02 Jul 2020 11:46

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0702SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.5	75.8	113.8

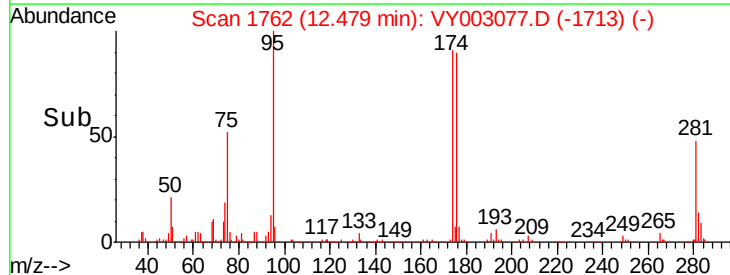
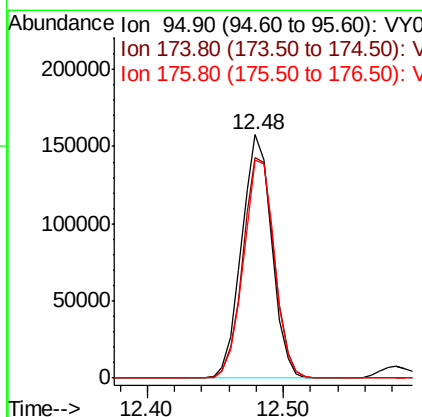
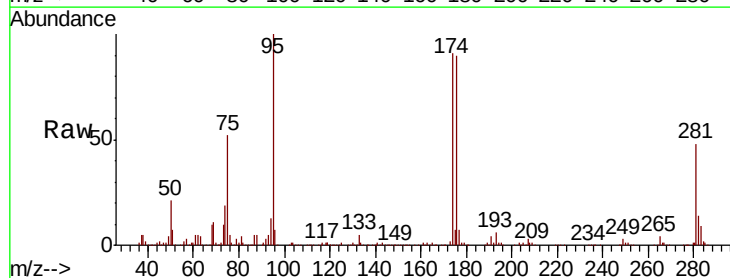
Manual Integrations
 APPROVED

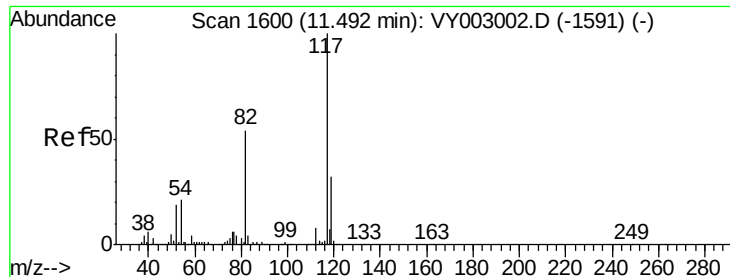
MMDadoda
 7/6/2020 10:43:20 AM



#62
 4-Bromofluorobenzene
 Concen: 50.021 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: VY003077.D
 Acq: 02 Jul 2020 11:46

Tgt Ion	Ratio	Lower	Upper
95	100		
174	93.8	0.0	184.8
176	91.8	0.0	183.0





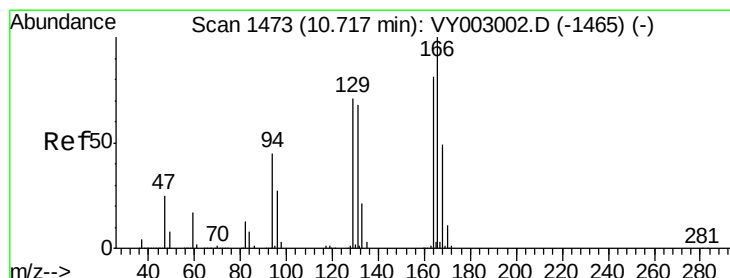
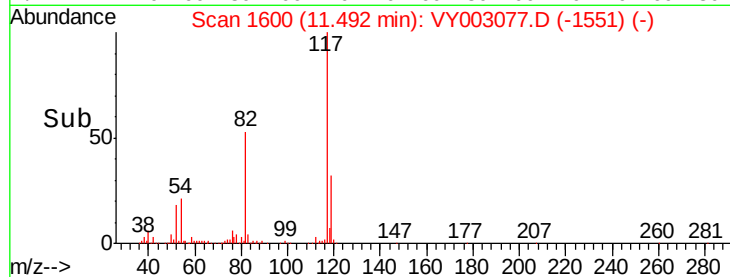
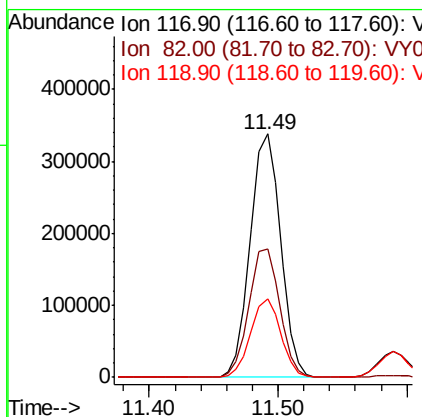
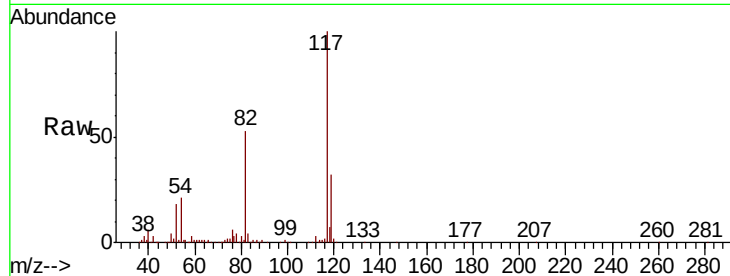
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY003077.D
Acq: 02 Jul 2020 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VY0702SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	550627		
82	52.9		43.0	64.6
119	32.2		25.8	38.8

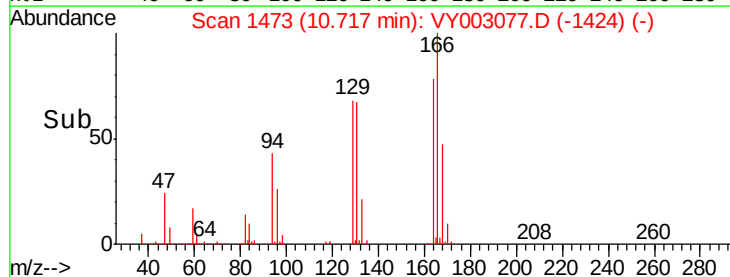
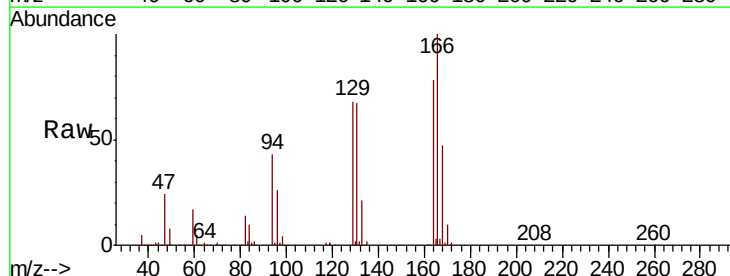
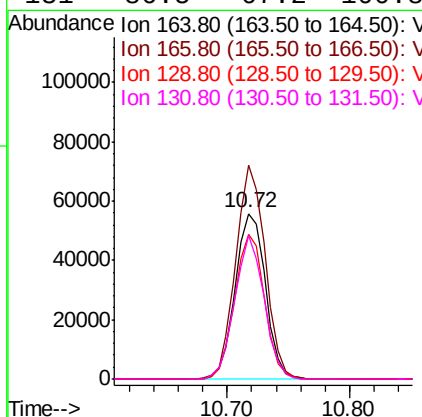
Manual Integrations
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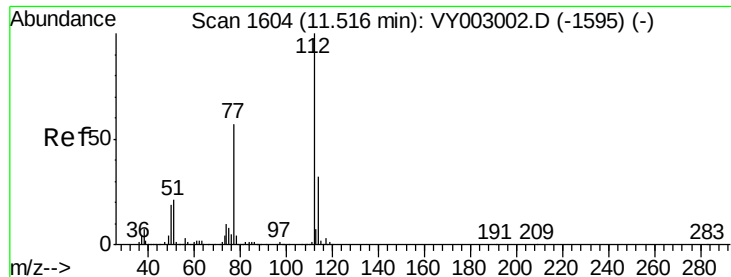
MMDadoda
7/6/2020 10:43:20 AM



#64
Tetrachloroethene
Concen: 20.445 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VY003077.D
Acq: 02 Jul 2020 11:46

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	95278		
166	128.9		98.5	147.7
129	87.3		69.7	104.5
131	86.5		67.2	100.8





#65

Chlorobenzene

Concen: 20.838 ug/l

RT: 11.52 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VY003077.D

Acq: 02 Jul 2020 11:46

Instrument :

MSVOA_Y

ClientSampleId :

VY0702SBS01

Tot Ion:112 Resp: 226248

Ion Ratio Lower Upper

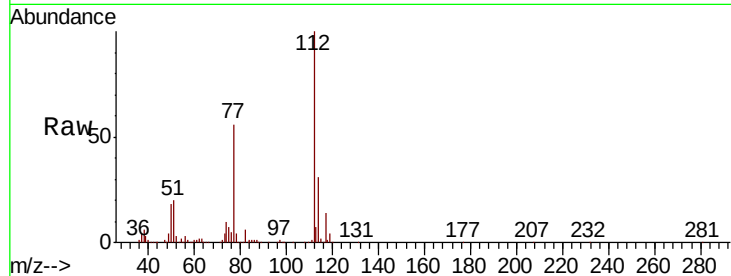
112 100

114 30.5 25.7 38.5

Manual Integrations
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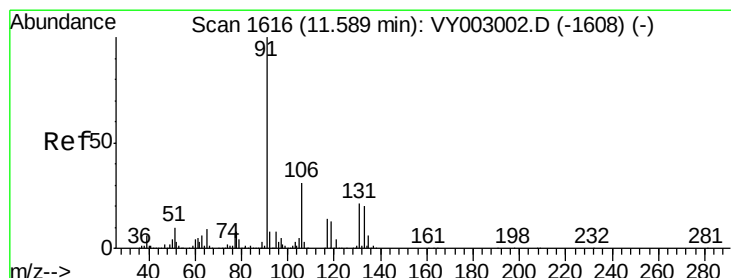
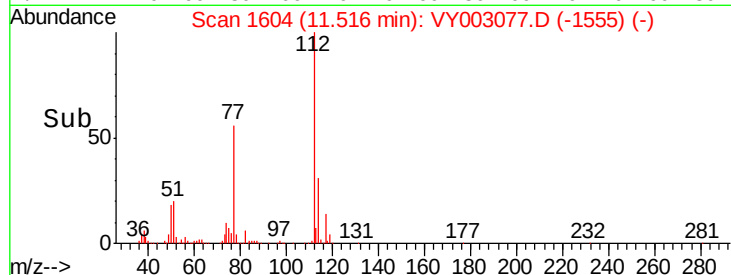
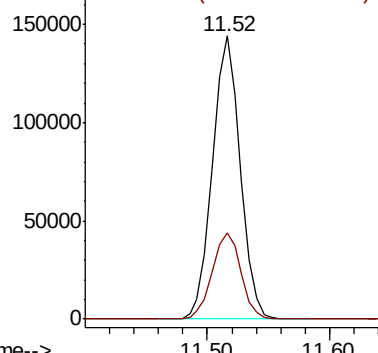
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.917 ug/l

RT: 11.59 min Scan# 1616

Delta R.T. 0.00 min

Lab File: VY003077.D

Acq: 02 Jul 2020 11:46

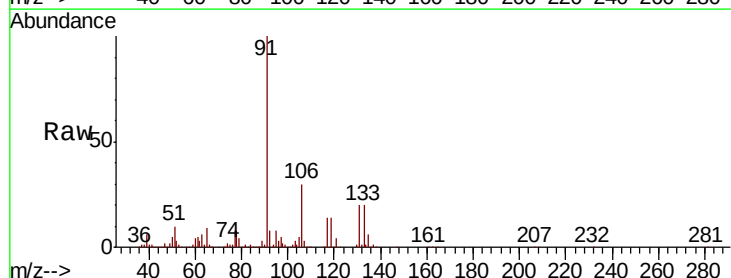
Tgt Ion:131 Resp: 88664

Ion Ratio Lower Upper

131 100

133 95.2 47.9 143.8

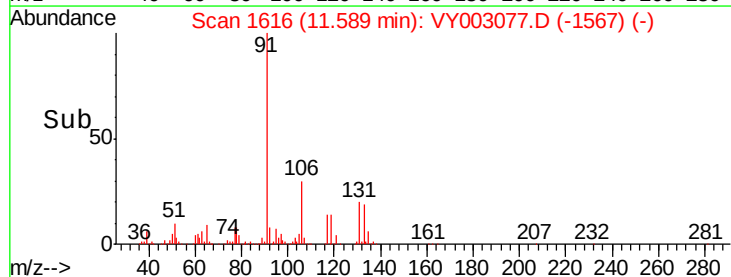
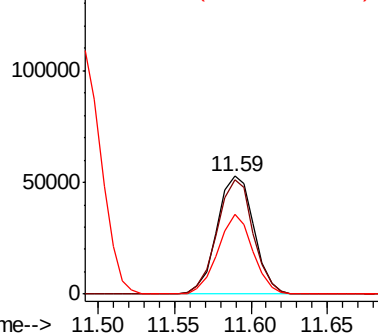
119 63.8 31.8 95.3

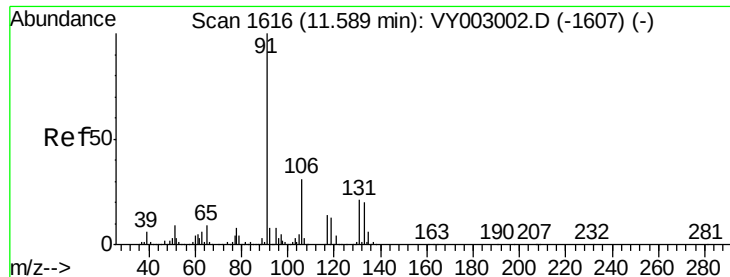


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 20.640 ug/l

RT: 11.59 min Scan# 1616

Delta R.T. 0.00 min

Lab File: VY003077.D

Acq: 02 Jul 2020 11:46

Instrument :

MSVOA_Y

ClientSampleId :

VY0702SBS01

Tot Ion: 91 Resp: 409967

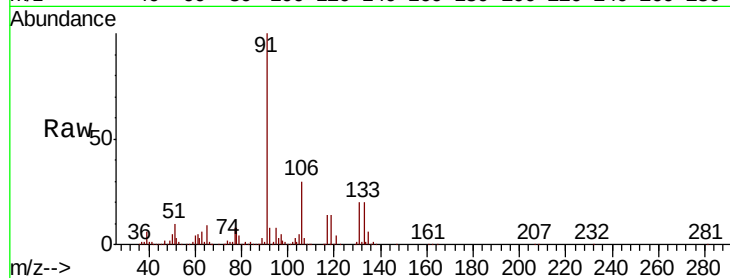
Ion Ratio Lower Upper

91 100

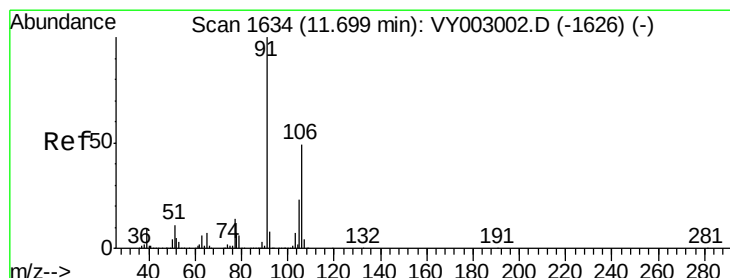
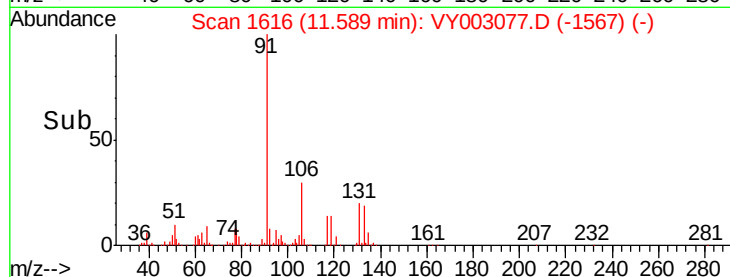
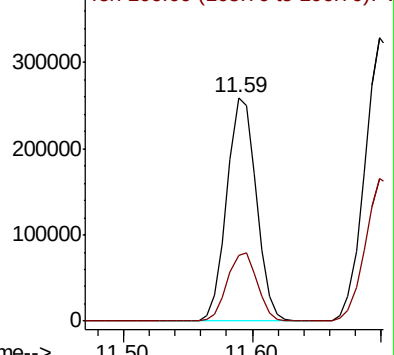
106 29.6 25.0 37.4

Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VY003002.D (-1607) (-)



#68

m/p-Xylenes

Concen: 41.546 ug/l

RT: 11.70 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VY003077.D

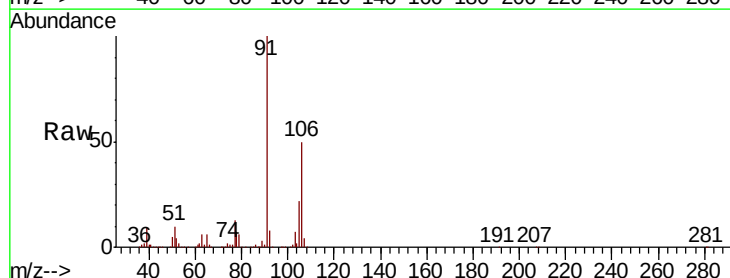
Acq: 02 Jul 2020 11:46

Tgt Ion: 106 Resp: 307127

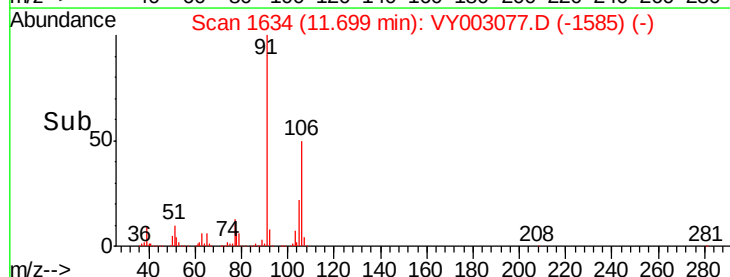
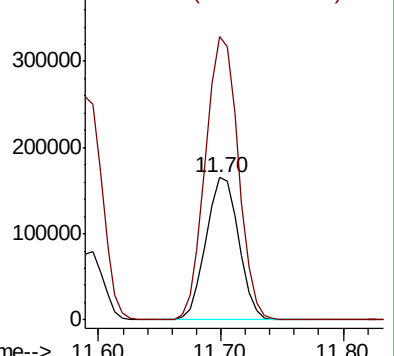
Ion Ratio Lower Upper

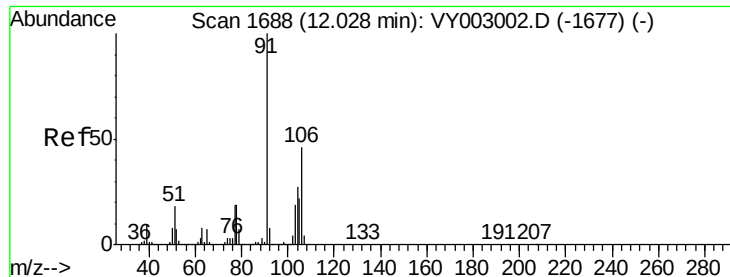
106 100

91 199.7 161.9 242.9



Abundance Ion 106.00 (105.70 to 106.70): VY003002.D (-1626) (-)





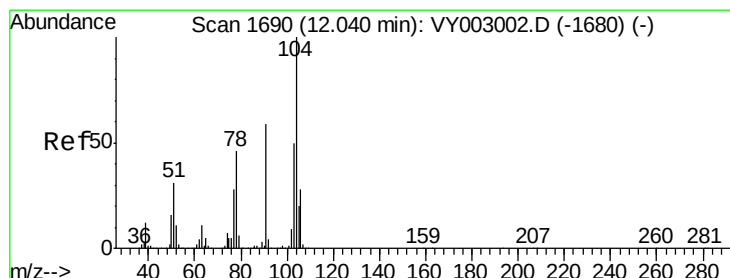
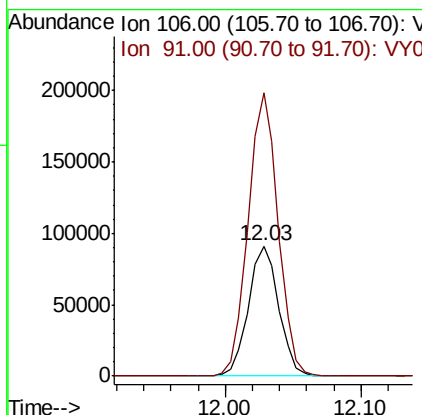
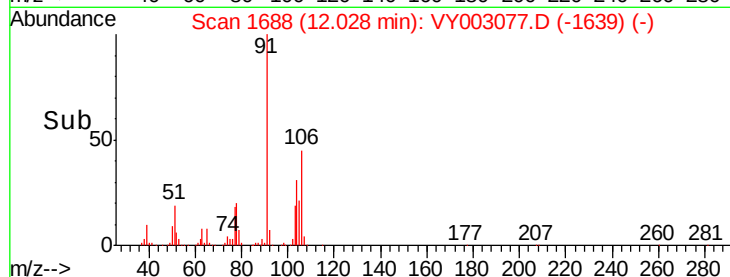
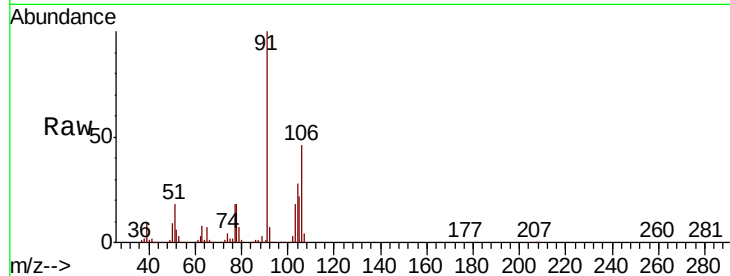
#69
o-Xylene
Concen: 20.454 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VY003077.D
Acq: 02 Jul 2020 11:46

Instrument :
MSVOA_Y
ClientSampled :
VY0702SBS01

Tot Ion:106 Resp: 142485
Ion Ratio Lower Upper
106 100
91 214.9 107.9 323.8

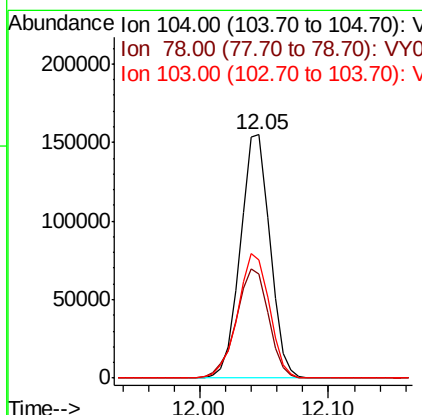
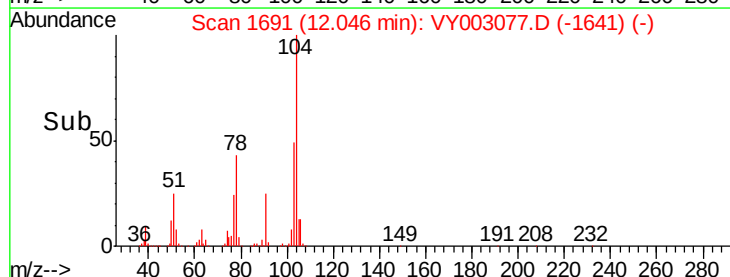
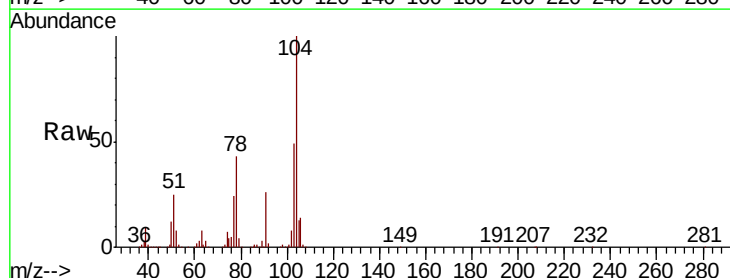
Manual Integrations
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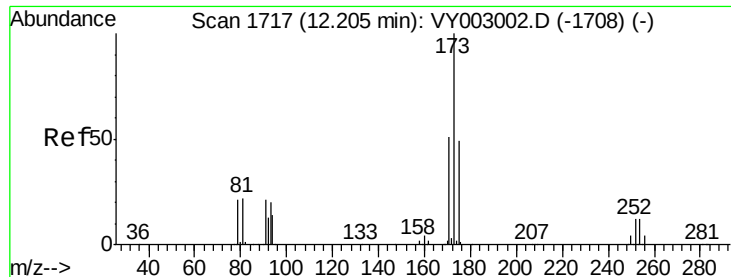
MMDadoda
7/6/2020 10:43:20 AM



#70
Styrene
Concen: 20.712 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. 0.01 min
Lab File: VY003077.D
Acq: 02 Jul 2020 11:46

Tgt Ion:104 Resp: 246489
Ion Ratio Lower Upper
104 100
78 49.3 40.4 60.6
103 55.0 44.1 66.1





#71

Bromoform

Concen: 20.753 ug/l

RT: 12.20 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VY003077.D

Acq: 02 Jul 2020 11:46

Instrument :

MSVOA_Y

ClientSampleId :

VY0702SBS01

Tot Ion:173 Resp: 58658

Ion Ratio Lower Upper

173 100

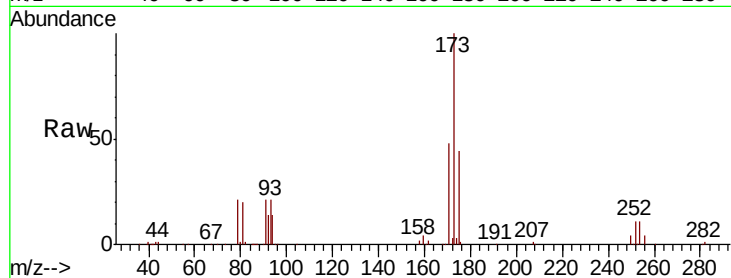
175 47.7 24.6 73.6

254 0.0 0.2 0.2#

Manual Integrations
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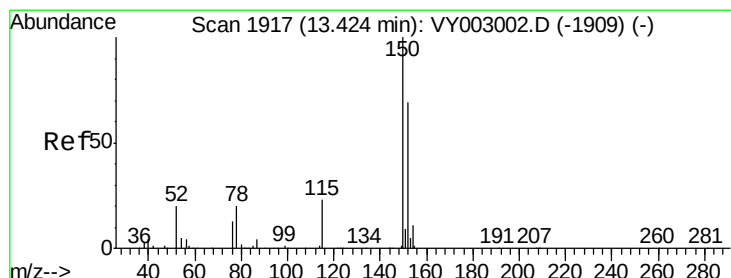
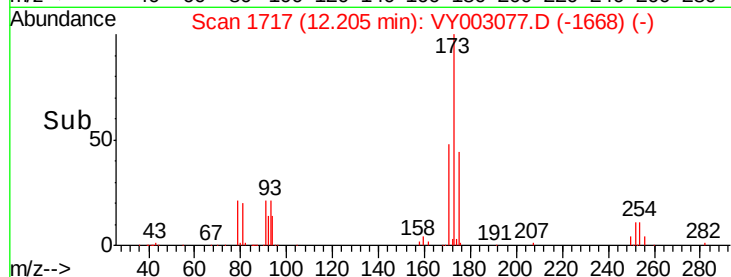
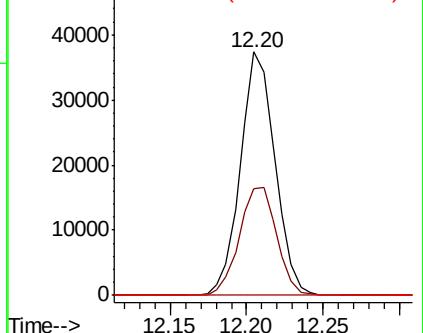
7/6/2020 10:43:20 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. 0.00 min

Lab File: VY003077.D

Acq: 02 Jul 2020 11:46

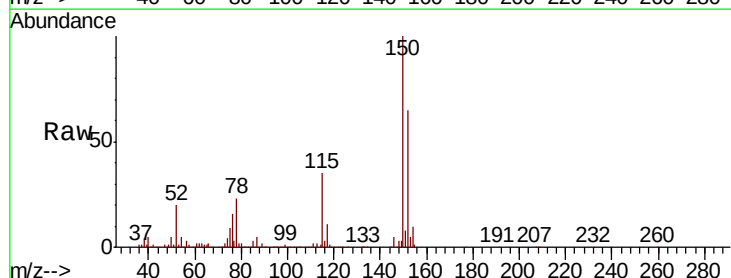
Tgt Ion:152 Resp: 295027

Ion Ratio Lower Upper

152 100

115 54.6 27.3 81.9

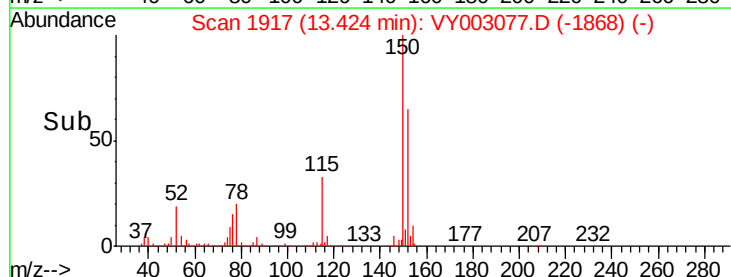
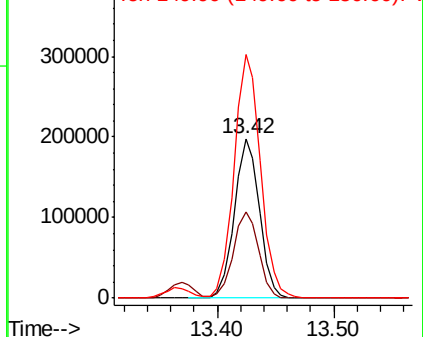
150 161.3 0.0 343.4

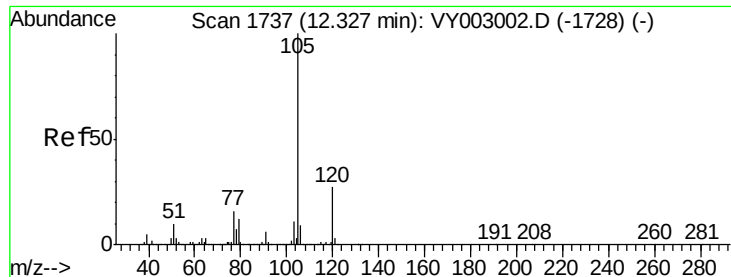


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.341 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VY003077.D

Acq: 02 Jul 2020 11:46

Instrument :

MSVOA_Y

ClientSampleId :

VY0702SBS01

Tot Ion: 105 Resp: 392742

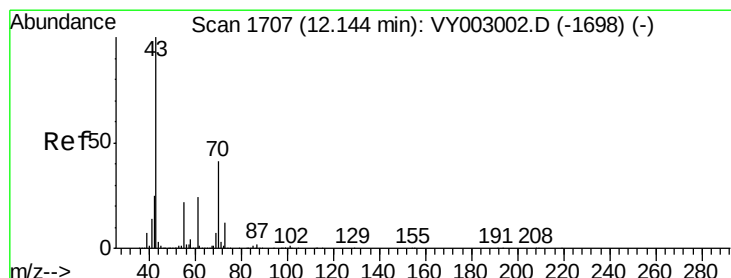
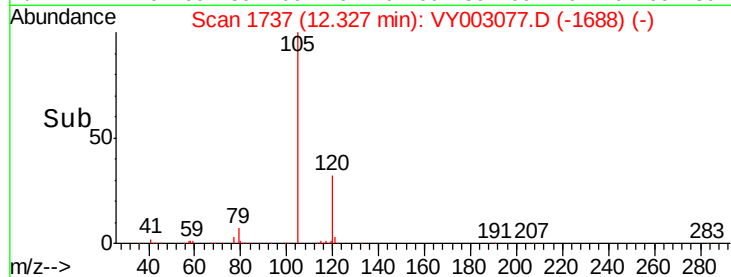
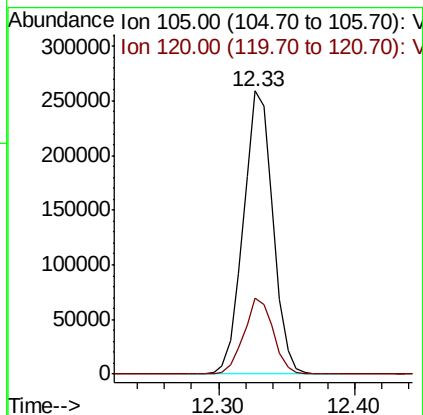
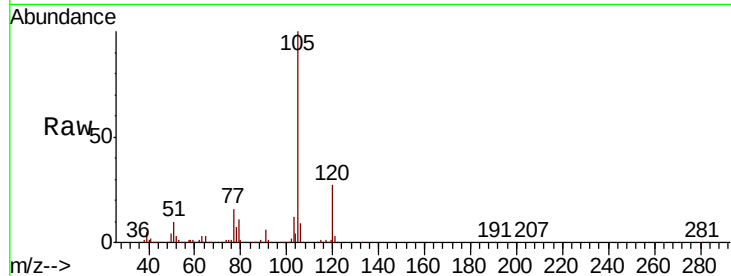
Ion Ratio Lower Upper

105 100

120 26.6 13.4 40.1

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#74

N-ethyl acetate

Concen: 19.121 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VY003077.D

Acq: 02 Jul 2020 11:46

Tgt Ion: 43 Resp: 120190

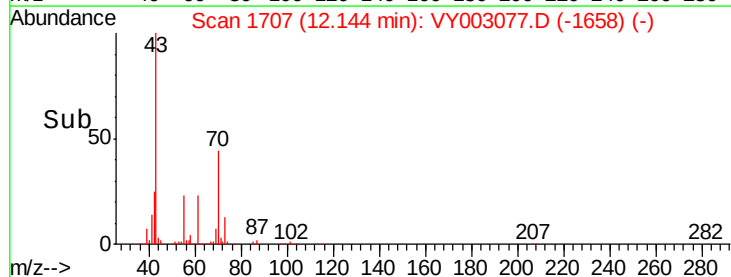
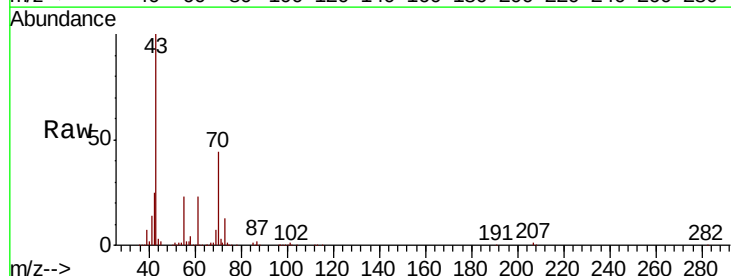
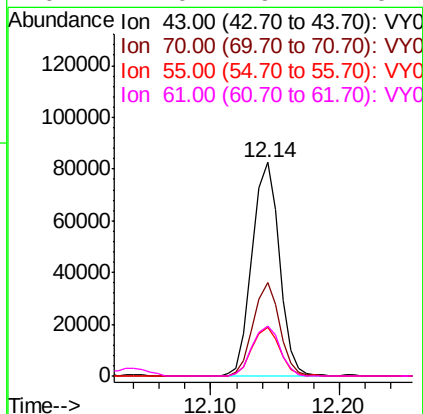
Ion Ratio Lower Upper

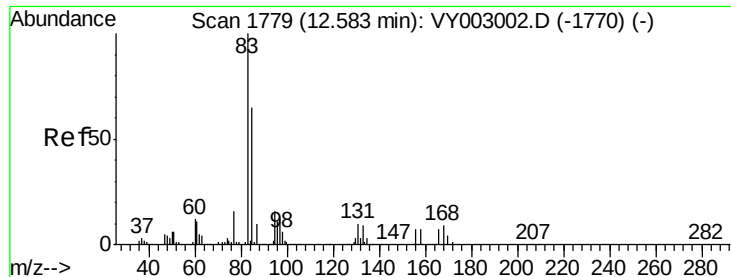
43 100

70 42.4 33.0 49.4

55 23.1 18.2 27.2

61 24.0 19.4 29.2





#75

1,1,2,2-Tetrachloroethane

Concen: 20.594 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VY003077.D

Acq: 02 Jul 2020 11:46

Instrument :

MSVOA_Y

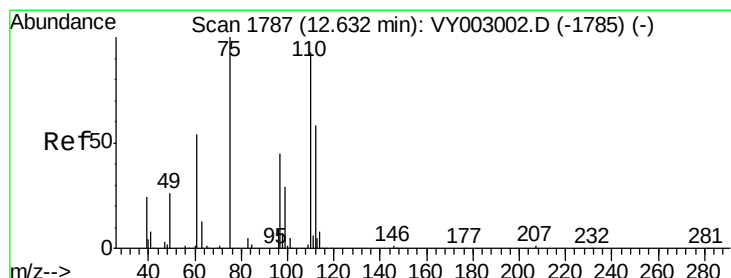
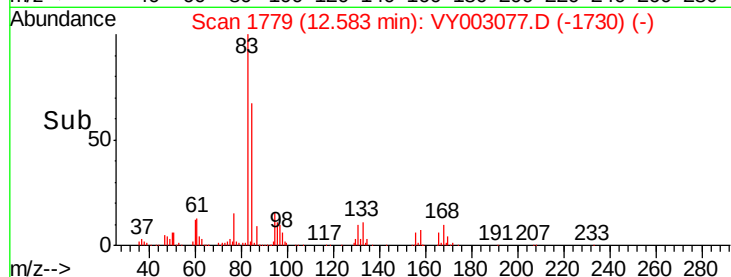
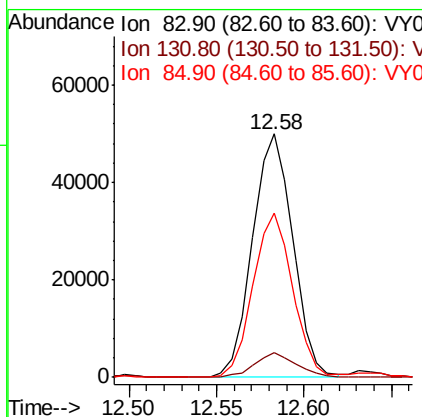
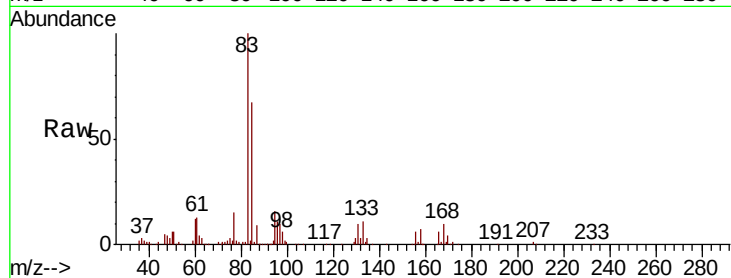
ClientSampleId :

VY0702SBS01

Tot Ion:	83	Resp:	80243
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.3	16.1
85	66.5	32.1	96.3

Manual Integrations
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7/6/2020 10:43:20 AM



#76

1,2,3-Trichloropropane

Concen: 20.536 ug/l m

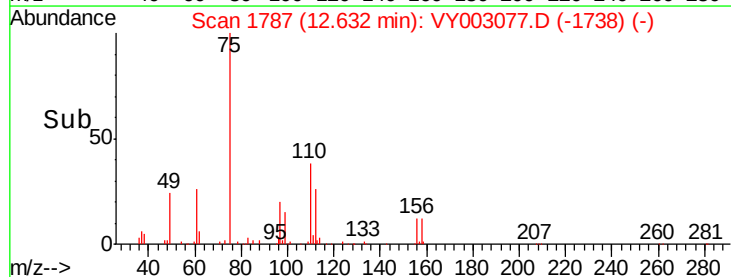
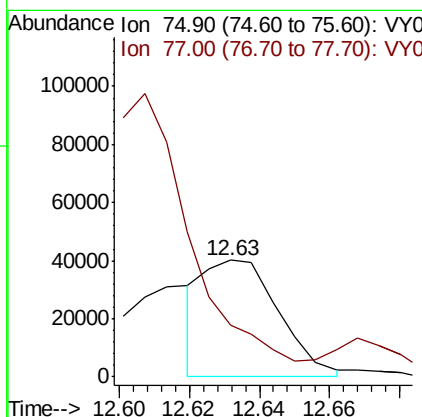
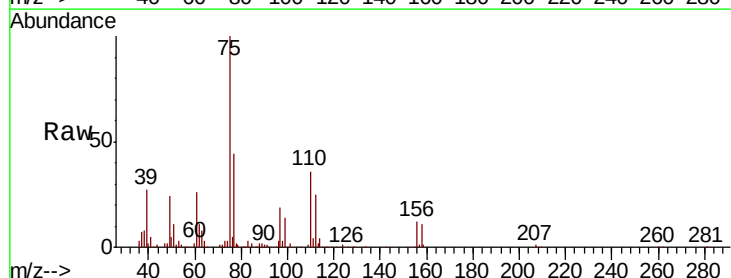
RT: 12.63 min Scan# 1787

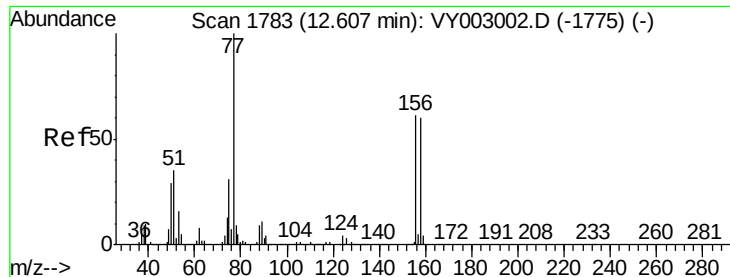
Delta R.T. 0.00 min

Lab File: VY003077.D

Acq: 02 Jul 2020 11:46

Tgt Ion:	75	Resp:	59963
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





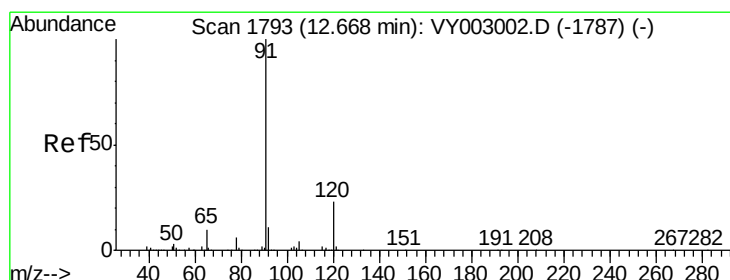
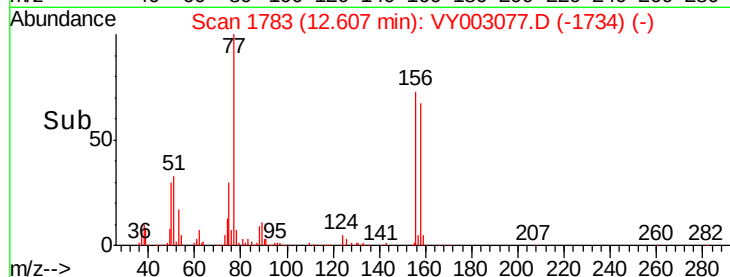
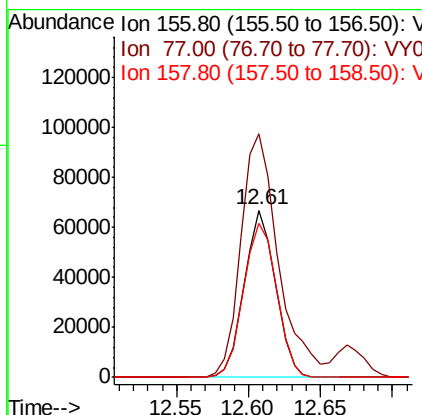
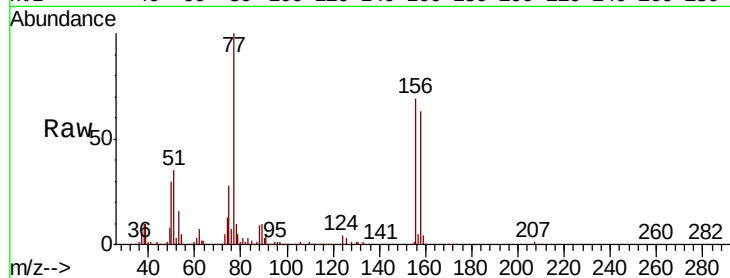
#77
Bromobenzene
Concen: 20.181 ug/l
RT: 12.61 min Scan# 1783
Delta R.T. 0.00 min
Lab File: VY003077.D
Acq: 02 Jul 2020 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VY0702SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	176.0	90.0	270.0
158	98.2	48.5	145.5

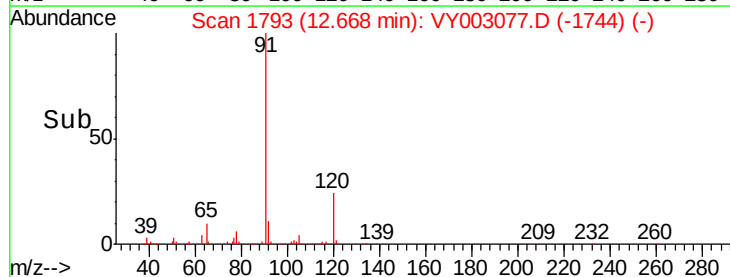
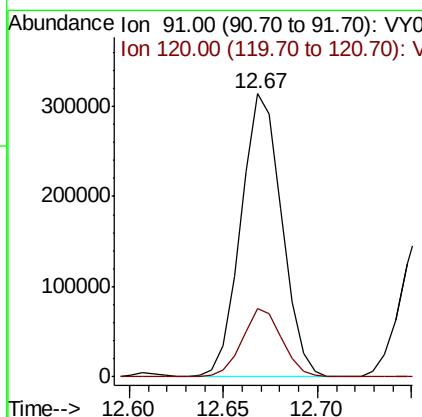
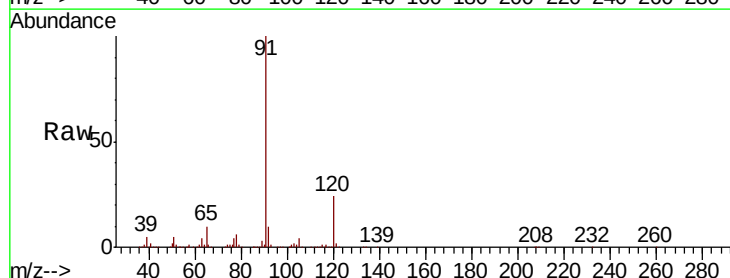
Manual Integrations
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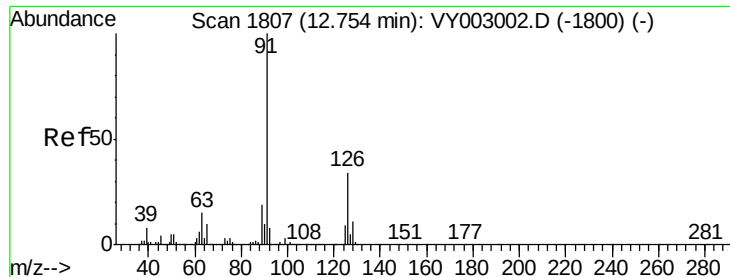
MMDadoda
7/6/2020 10:43:20 AM



#78
n-propylbenzene
Concen: 20.310 ug/l
RT: 12.67 min Scan# 1793
Delta R.T. 0.00 min
Lab File: VY003077.D
Acq: 02 Jul 2020 11:46

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.4	11.5	34.5





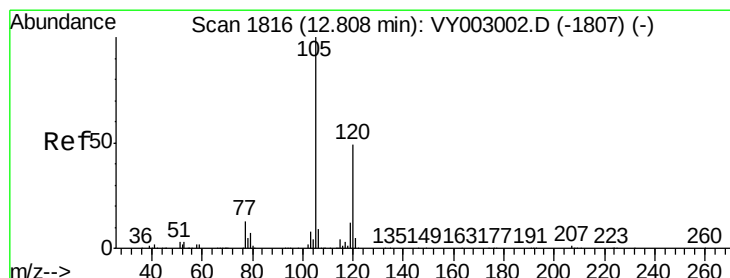
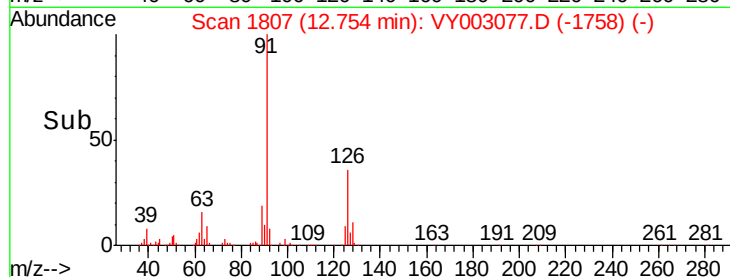
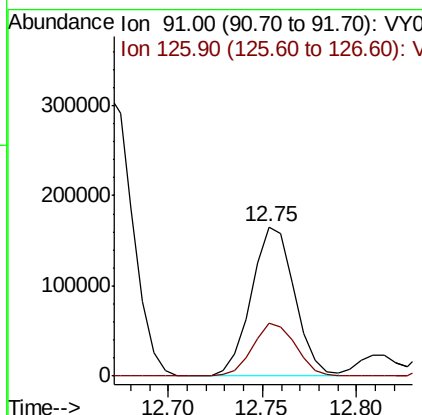
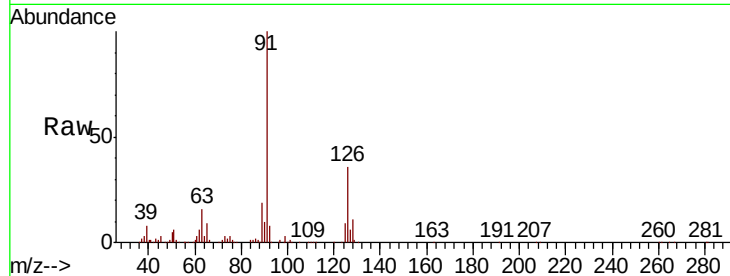
#79
 2-Chlorotoluene
 Concen: 20.226 ug/l
 RT: 12.75 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VY003077.D
 Acq: 02 Jul 2020 11:46

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0702SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
126	35.4	17.1	51.3

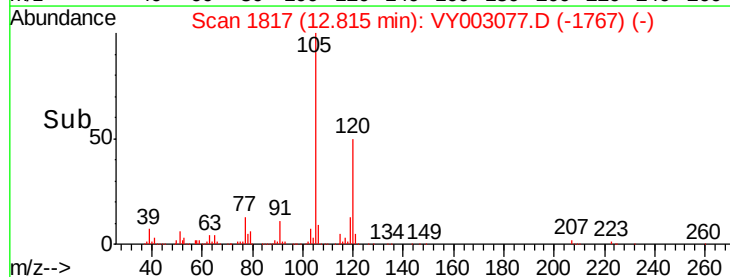
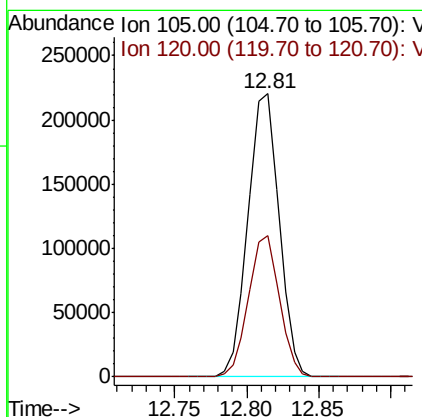
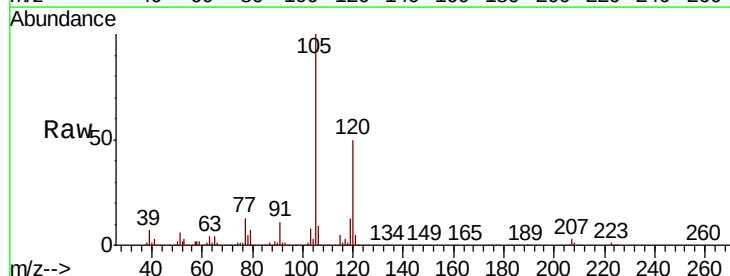
Manual Integrations
 APPROVED

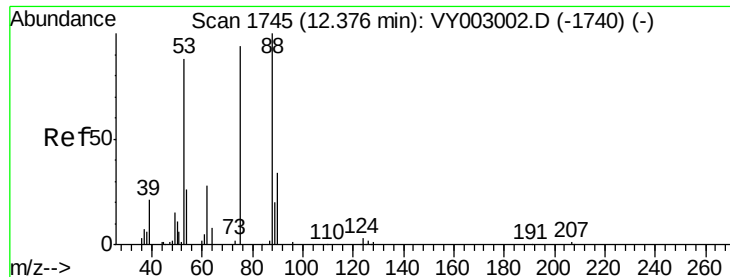
MMDadoda
 7/6/2020 10:43:20 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 20.393 ug/l
 RT: 12.81 min Scan# 1817
 Delta R.T. 0.01 min
 Lab File: VY003077.D
 Acq: 02 Jul 2020 11:46

Tgt Ion	Ratio	Lower	Upper
105	100		
120	49.6	24.6	73.6





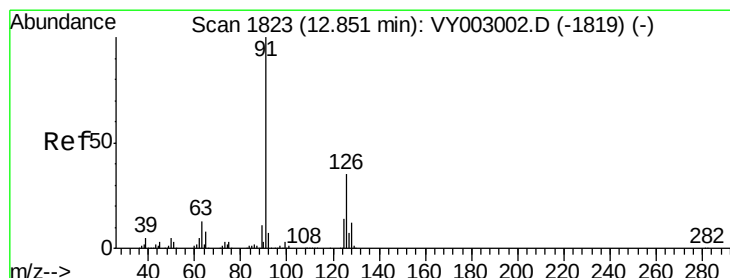
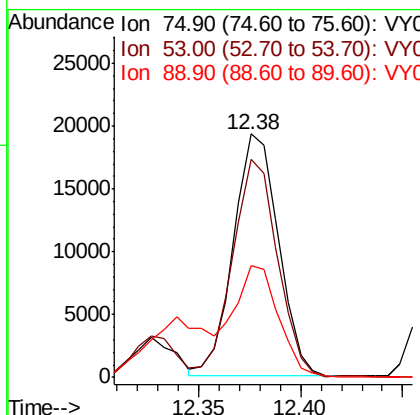
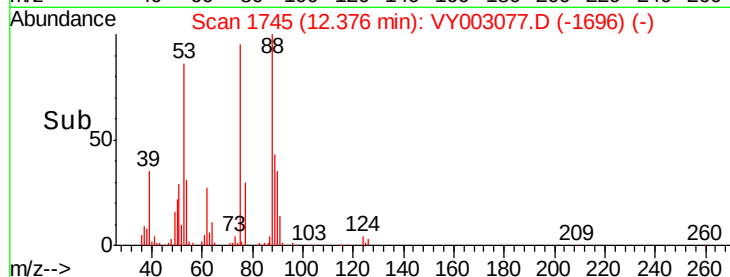
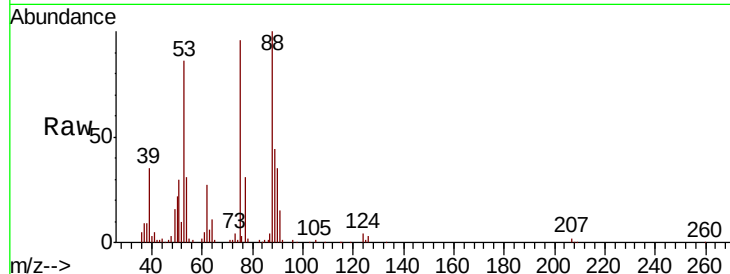
#81
trans-1,4-Dichloro-2-butene
Concen: 19.757 ug/l
RT: 12.38 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VY003077.D
Acq: 02 Jul 2020 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VY0702SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	88.4	73.9	110.9
89	46.1	37.5	56.3

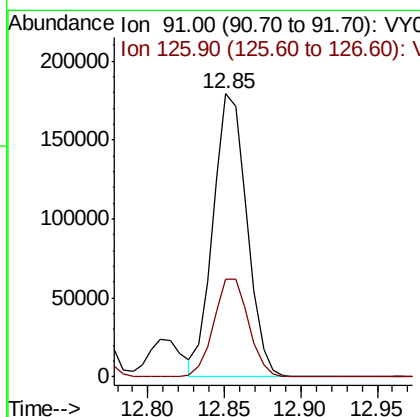
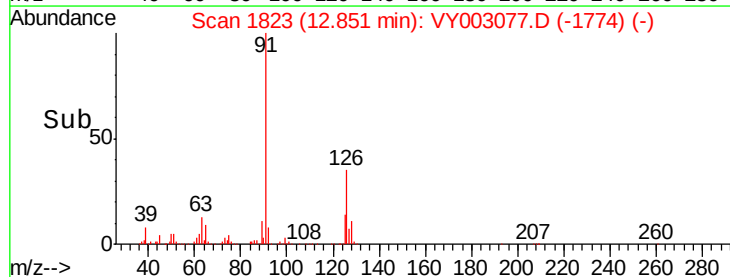
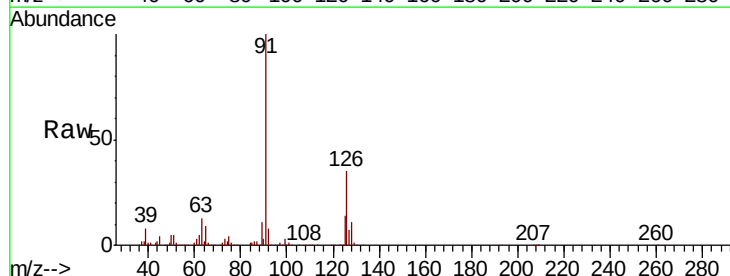
Manual Integrations
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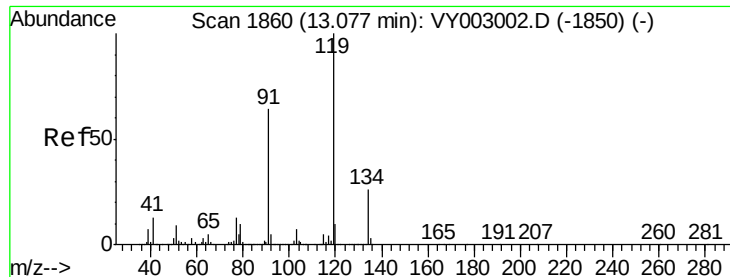
MMDadoda
7/6/2020 10:43:20 AM



#82
4-Chlorotoluene
Concen: 20.305 ug/l
RT: 12.85 min Scan# 1823
Delta R.T. 0.00 min
Lab File: VY003077.D
Acq: 02 Jul 2020 11:46

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.7	17.4	52.3





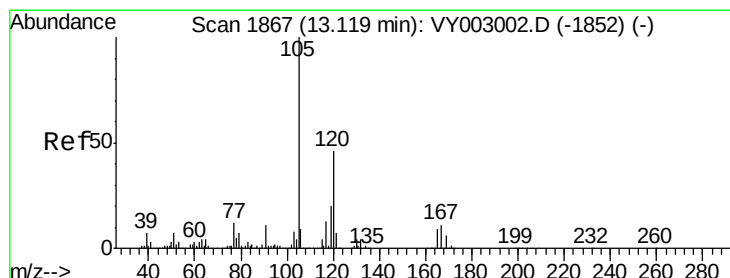
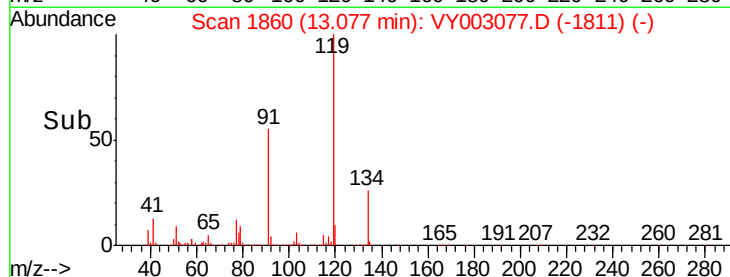
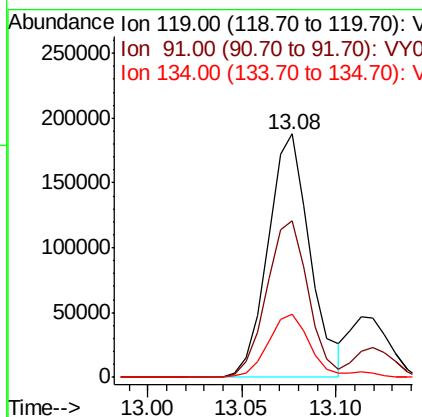
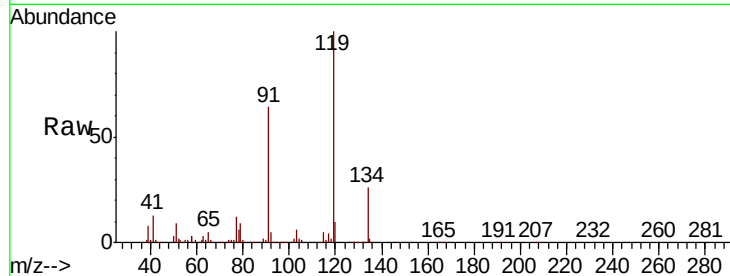
#83
 tert-Butylbenzene
 Concen: 20.391 ug/l
 RT: 13.08 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VY003077.D
 Acq: 02 Jul 2020 11:46

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0702SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.6	31.6	95.0
134	26.9	13.2	39.5

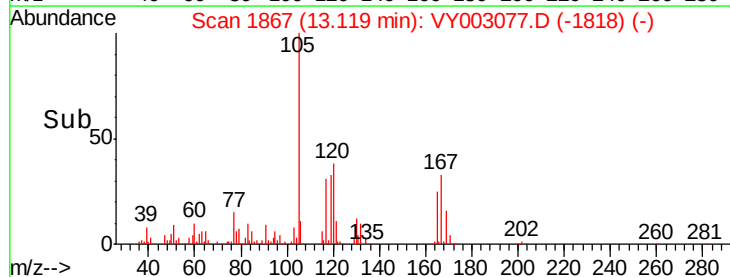
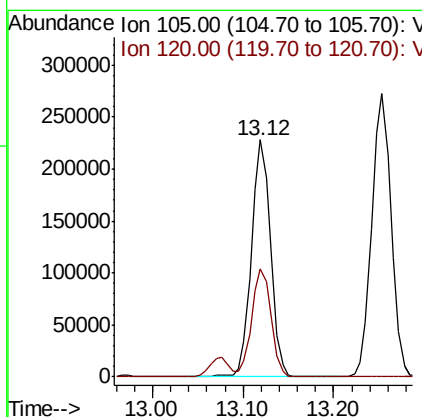
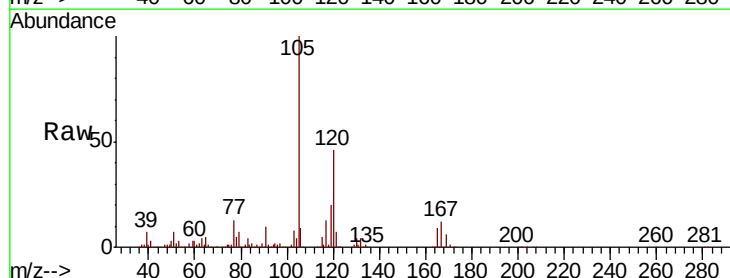
Manual Integrations
 APPROVED

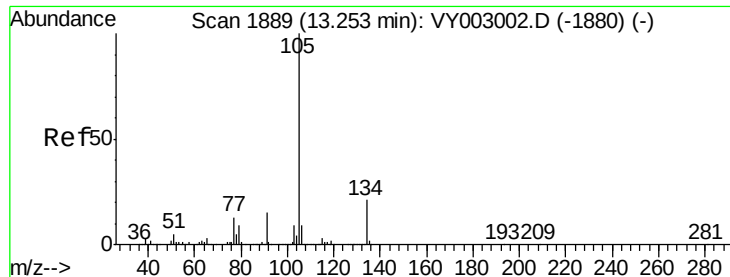
MMDadoda
 7/6/2020 10:43:20 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.434 ug/l
 RT: 13.12 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VY003077.D
 Acq: 02 Jul 2020 11:46

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.8	22.6	67.8





#85

sec-Butylbenzene

Concen: 20.602 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. 0.00 min

Lab File: VY003077.D

Acq: 02 Jul 2020 11:46

Instrument :

MSVOA_Y

ClientSampleId :

VY0702SBS01

Tot Ion:105 Resp: 404003

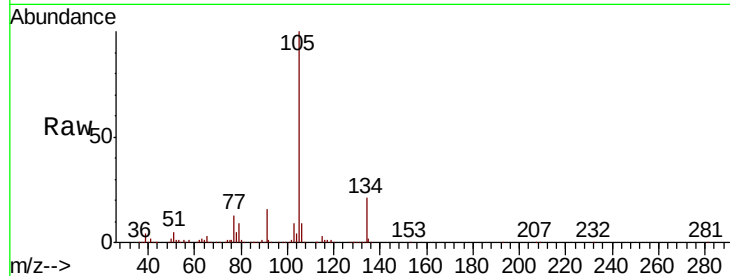
Ion Ratio Lower Upper

105 100

134 20.5 10.4 31.2

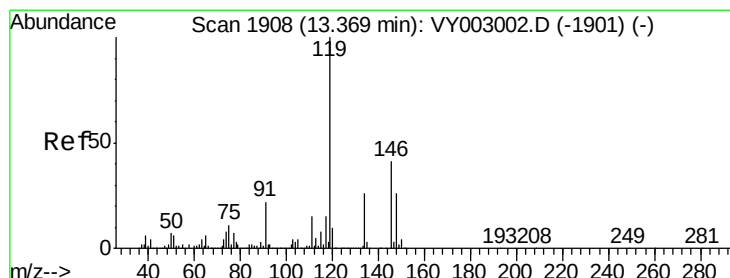
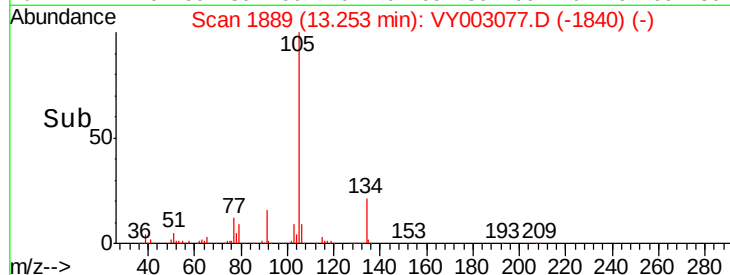
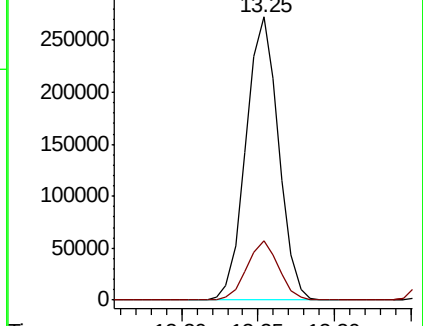
Manual Integrations
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MMDadoda
7/6/2020 10:43:20 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.600 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. 0.00 min

Lab File: VY003077.D

Acq: 02 Jul 2020 11:46

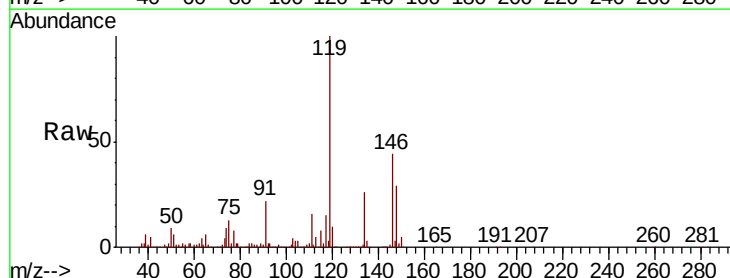
Tgt Ion:119 Resp: 374310

Ion Ratio Lower Upper

119 100

134 26.4 13.5 40.4

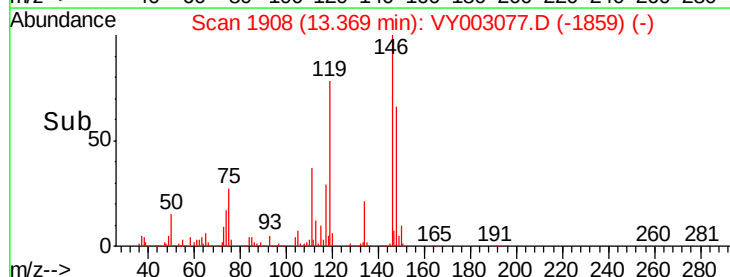
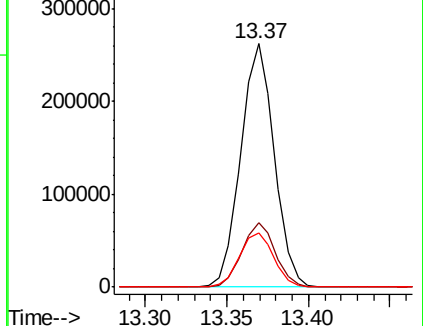
91 22.8 11.5 34.5

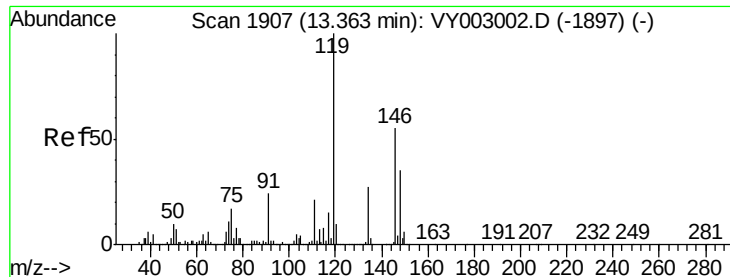


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0





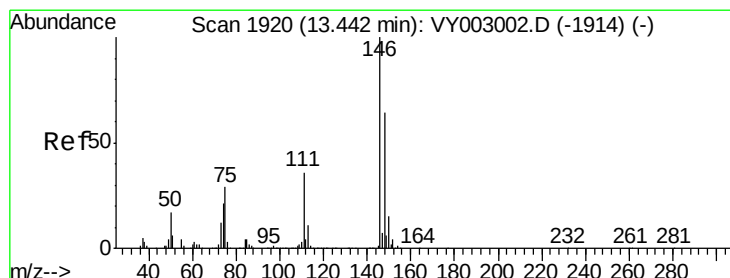
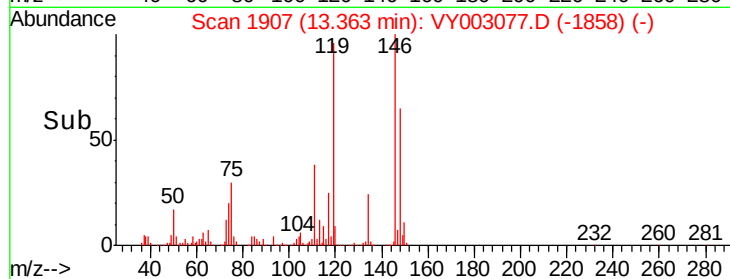
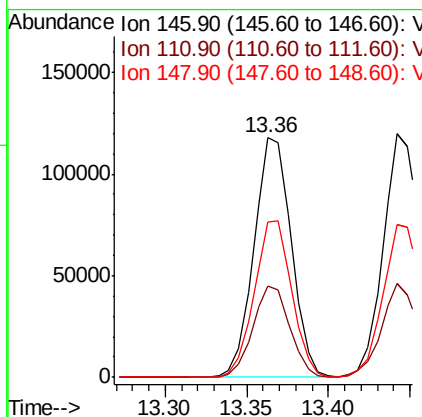
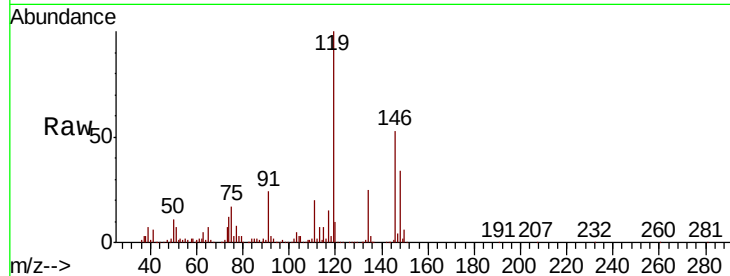
#87
 1,3-Dichlorobenzene
 Concen: 20.200 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. 0.00 min
 Lab File: VY003077.D
 Acq: 02 Jul 2020 11:46

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0702SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	186701		
111	38.0		18.8	56.3
148	65.5		31.8	95.3

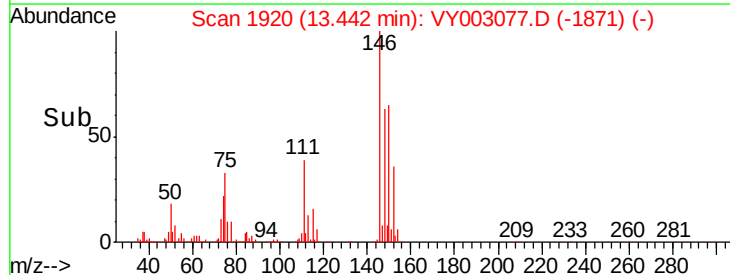
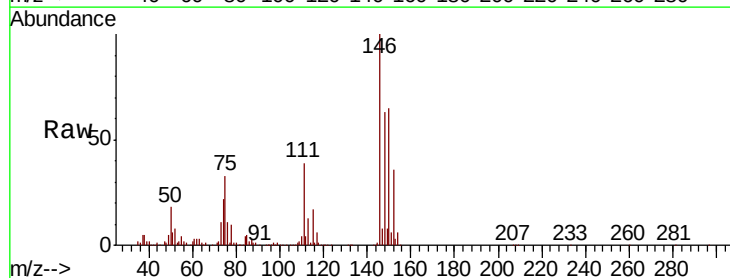
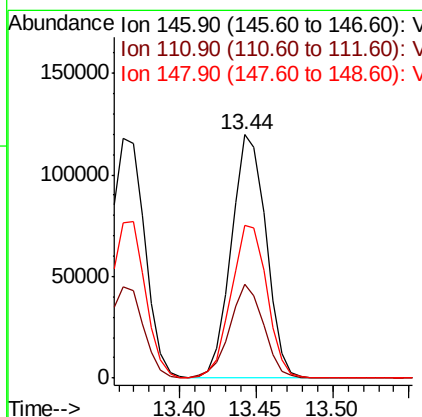
Manual Integrations
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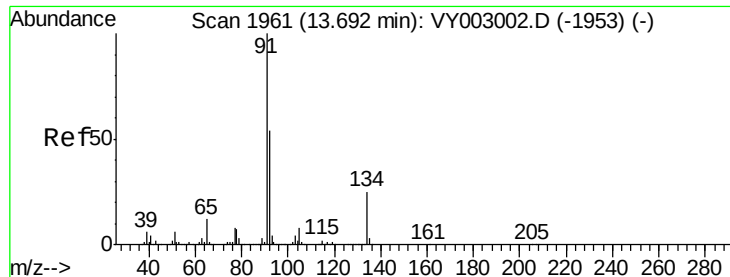
MMDadoda
 7/6/2020 10:43:20 AM



#88
 1,4-Dichlorobenzene
 Concen: 20.664 ug/l
 RT: 13.44 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VY003077.D
 Acq: 02 Jul 2020 11:46

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	188327		
111	37.9		18.4	55.4
148	64.7		32.3	96.9





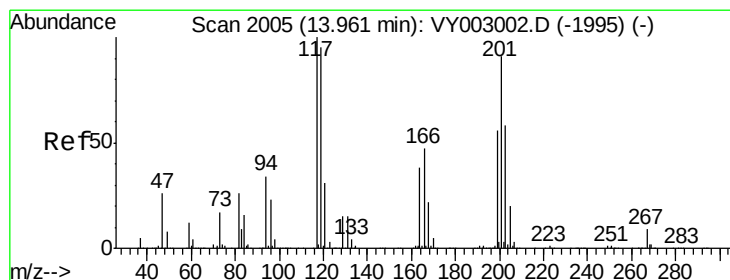
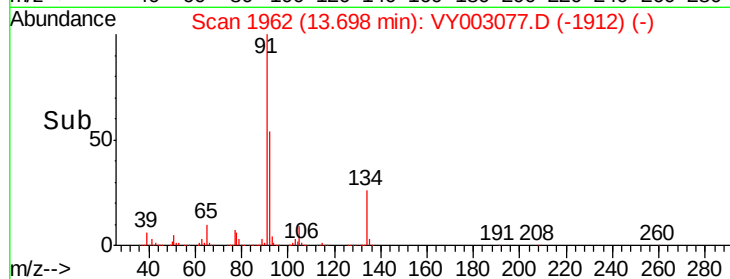
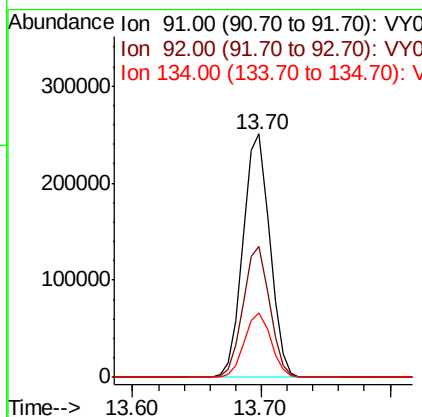
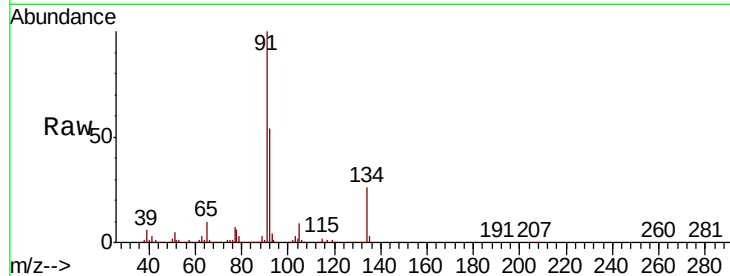
#89
n-Butylbenzene
Concen: 20.659 ug/l
RT: 13.70 min Scan# 1962
Delta R.T. 0.01 min
Lab File: VY003077.D
Acq: 02 Jul 2020 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VY0702SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.8	80.3
134	26.2	13.1	39.1

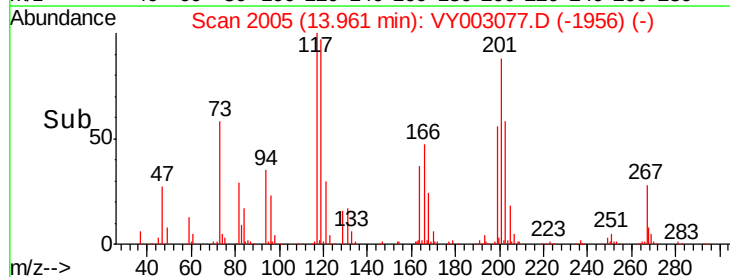
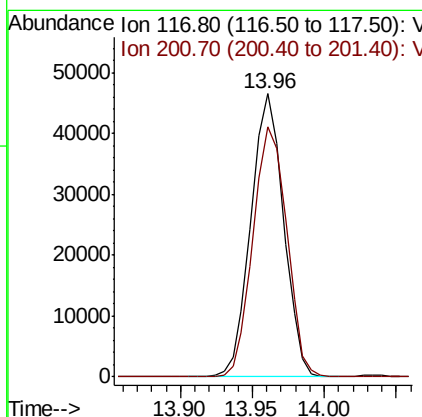
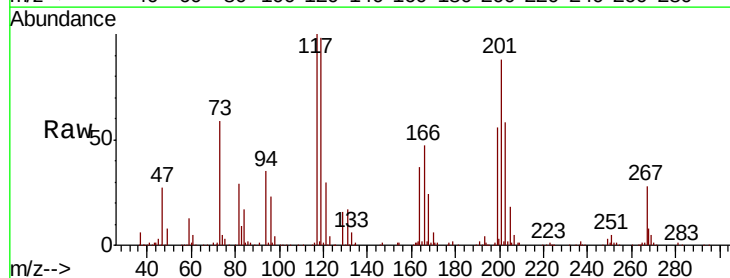
Manual Integrations
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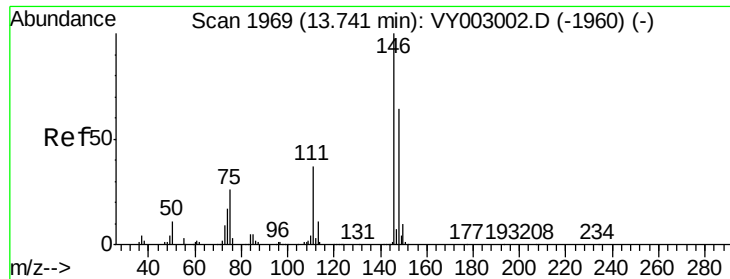
MMDadoda
7/6/2020 10:43:20 AM



#90
Hexachloroethane
Concen: 20.324 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. 0.00 min
Lab File: VY003077.D
Acq: 02 Jul 2020 11:46

Tgt Ion	Ratio	Lower	Upper
117	100		
201	91.0	45.5	136.4





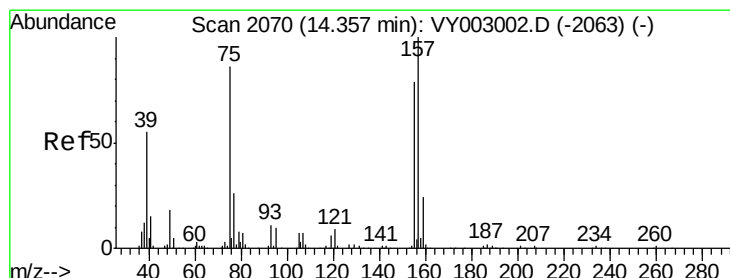
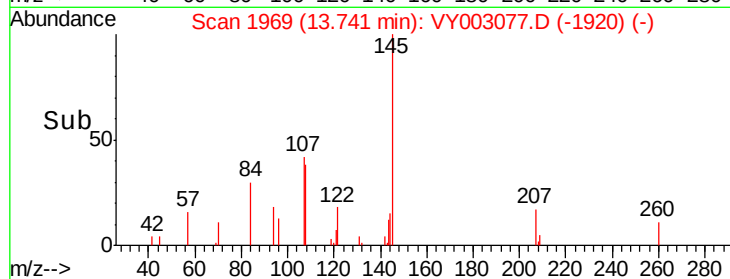
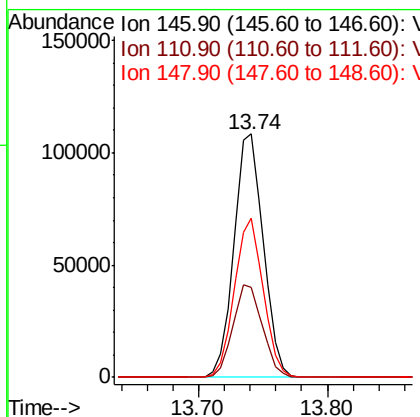
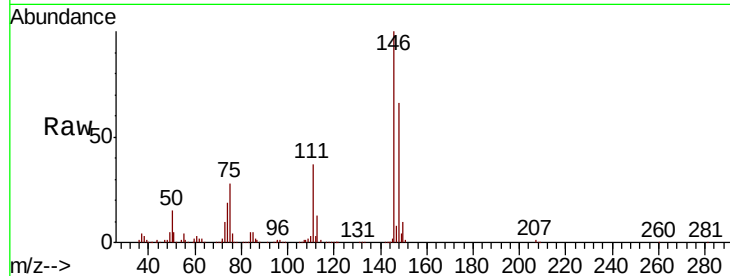
#91
 1,2-Dichlorobenzene
 Concen: 20.693 ug/l
 RT: 13.74 min Scan# 1969
 Delta R.T. 0.00 min
 Lab File: VY003077.D
 Acq: 02 Jul 2020 11:46

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0702SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.1	57.5
148	64.1	31.8	95.3

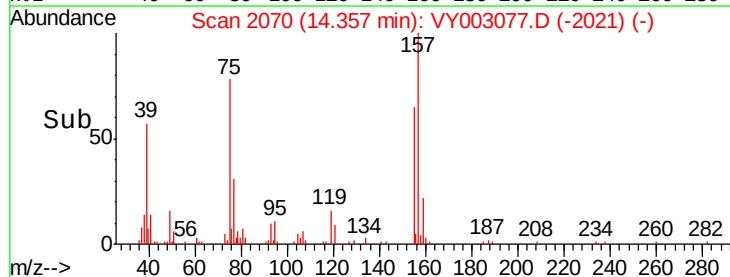
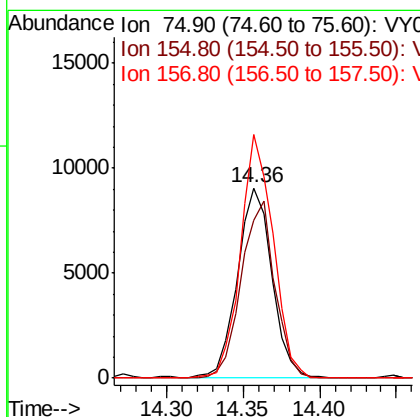
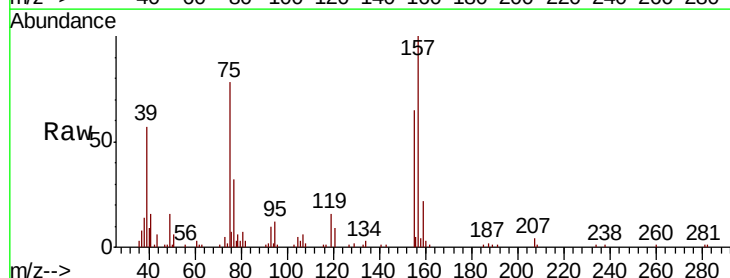
Manual Integrations
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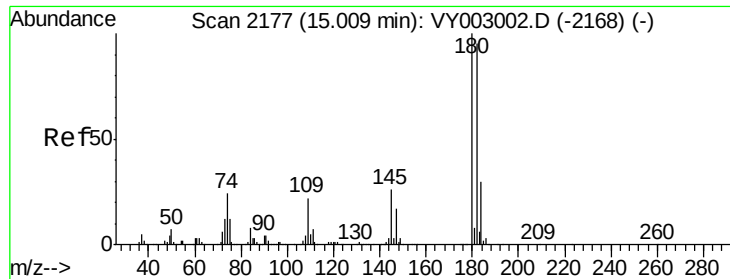
MMDadoda
 7/6/2020 10:43:20 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.531 ug/l
 RT: 14.36 min Scan# 2070
 Delta R.T. 0.00 min
 Lab File: VY003077.D
 Acq: 02 Jul 2020 11:46

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.5	46.5	139.3
157	120.5	59.2	177.5





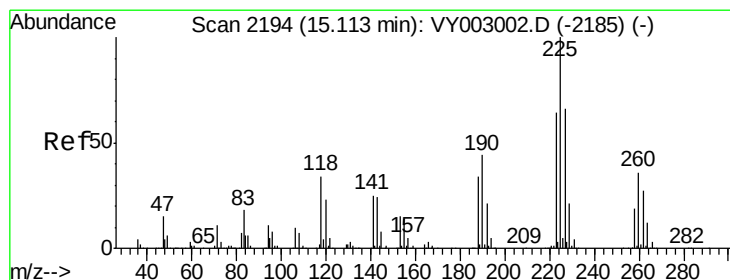
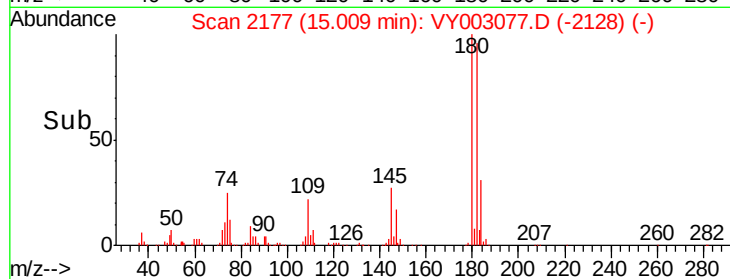
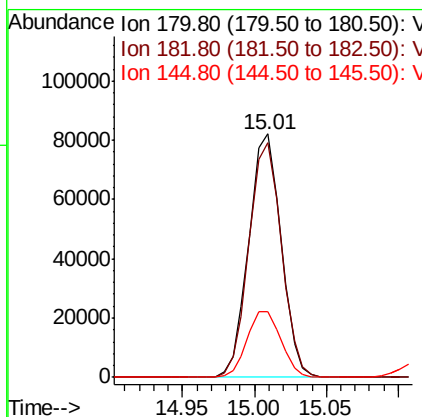
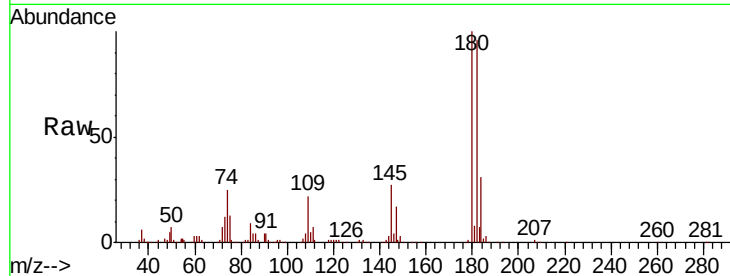
#93
 1,2,4-Trichlorobenzene
 Concen: 20.709 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VY003077.D
 Acq: 02 Jul 2020 11:46

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0702SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	127610		
182	96.8	48.1	144.3	
145	28.5	13.9	41.6	

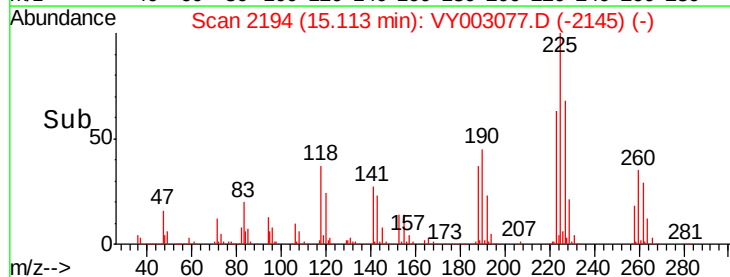
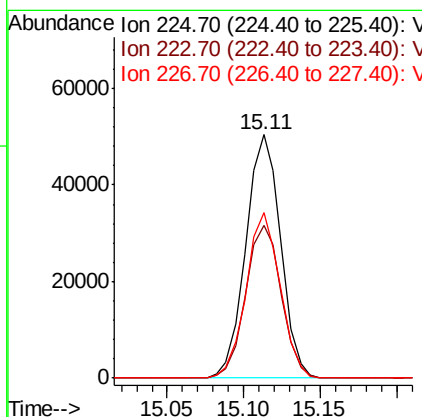
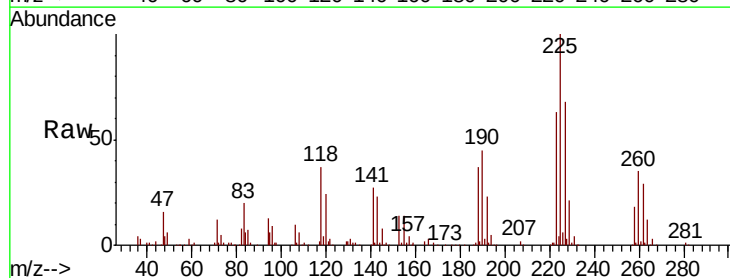
Manual Integrations
 APPROVED

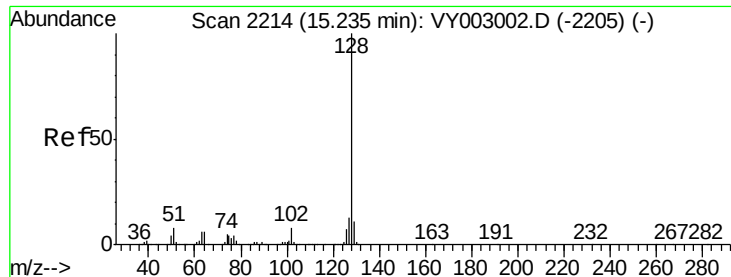
MMDadoda
 7/6/2020 10:43:20 AM



#94
 Hexachlorobutadiene
 Concen: 20.509 ug/l
 RT: 15.11 min Scan# 2194
 Delta R.T. 0.00 min
 Lab File: VY003077.D
 Acq: 02 Jul 2020 11:46

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	79712		
223	64.3	32.4	97.0	
227	66.5	32.4	97.2	





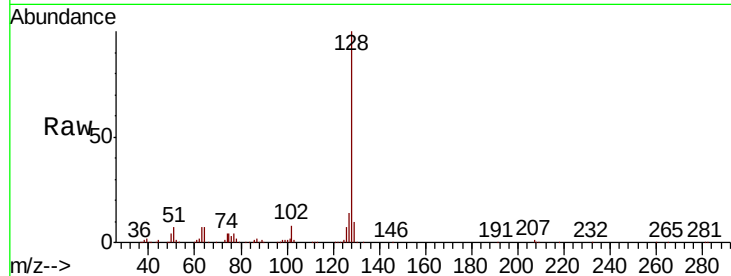
#95
Naphthalene
Concen: 20.538 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VY003077.D
Acq: 02 Jul 2020 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VY0702SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	231158		
127	13.4		10.8	16.2
129	10.5		8.8	13.2

Manual Integrations
APPROVED

MMDadoda
7/6/2020 10:43:20 AM

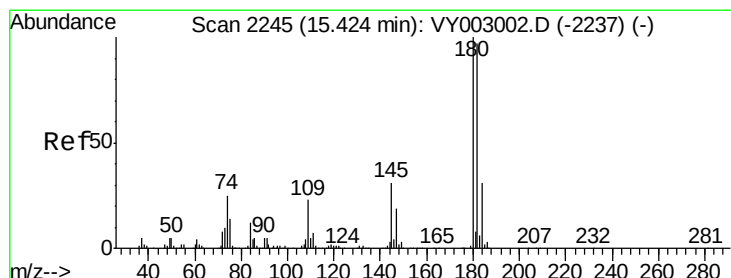
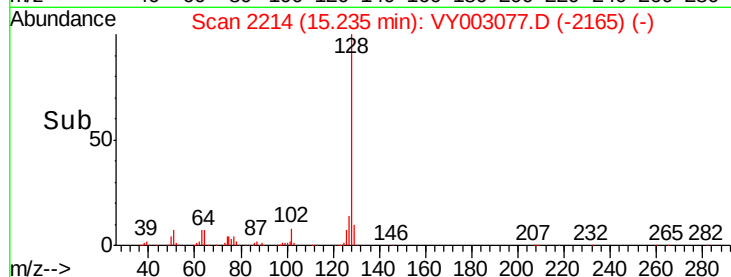
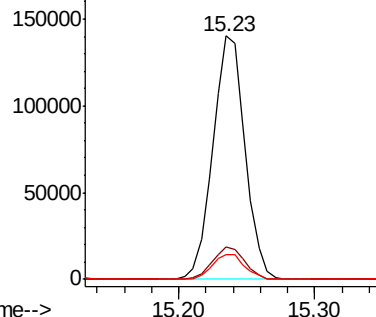


Abundance

Ion 128.00 (127.70 to 128.70): V

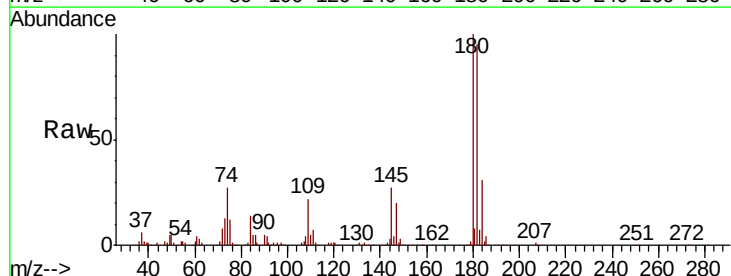
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 20.386 ug/l
RT: 15.42 min Scan# 2245
Delta R.T. 0.00 min
Lab File: VY003077.D
Acq: 02 Jul 2020 11:46

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	109080		
182	95.0		47.8	143.3
145	29.3		14.7	44.1



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

