

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY051520\
 Data File : VY002696.D
 Acq On : 15 May 2020 13:16
 Operator : SY/MD
 Sample : VSTDIC150
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 5/18/2020 1:36:09 PM

Quant Time: May 15 13:33:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y051520S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 15 12:50:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	367540	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	547217	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	496513	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	247931	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	434697	141.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	282.96%	
35) Dibromofluoromethane	7.72	113	450184	144.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	288.10%	
50) Toluene-d8	10.18	98	1804667	147.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	294.42%	
62) 4-Bromofluorobenzene	12.48	95	597089	143.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	286.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	345533	130.184	ug/l	98
3) Chloromethane	2.11	50	392296	135.156	ug/l	100
4) Vinyl Chloride	2.25	62	419352	126.712	ug/l	98
5) Bromomethane	2.63	94	300617	128.311	ug/l	98
6) Chloroethane	2.79	64	272704	135.013	ug/l	100
7) Trichlorofluoromethane	3.13	101	733686	139.157	ug/l	98
8) Diethyl Ether	3.53	74	255248	142.604	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.90	101	444081	137.822	ug/l	99
10) Methyl Iodide	4.10	142	665079	151.232	ug/l	100
11) Tert butyl alcohol	4.97	59	185093	588.029	ug/l	100
12) 1,1-Dichloroethene	3.88	96	443582	140.726	ug/l	99
13) Acrolein	3.74	56	235213	989.443	ug/l	98
14) Allyl chloride	4.49	41	649692	142.007	ug/l	99
15) Acrylonitrile	5.18	53	566568	673.639	ug/l	100
16) Acetone	3.96	43	431304	682.989	ug/l	98
17) Carbon Disulfide	4.20	76	1389441	146.443	ug/l	99
18) Methyl Acetate	4.48	43	232407	112.497	ug/l	100
19) Methyl tert-butyl Ether	5.23	73	1134566	138.368	ug/l	99
20) Methylene Chloride	4.72	84	467242	130.924	ug/l	99
21) trans-1,2-Dichloroethene	5.22	96	490304	141.824	ug/l	99
22) Diisopropyl ether	6.13	45	1267970	136.704	ug/l	99
23) Vinyl Acetate	6.07	43	4137087	707.599	ug/l	99
24) 1,1-Dichloroethane	6.03	63	766284	139.810	ug/l	100
25) 2-Butanone	6.99	43	690599	669.231	ug/l	98
26) 2,2-Dichloropropane	6.99	77	703213	135.310	ug/l	99
27) cis-1,2-Dichloroethene	6.99	96	538539	140.624	ug/l	99
28) Bromochloromethane	7.35	49	311273	139.111	ug/l	99
29) Tetrahydrofuran	7.35	42	459469	669.771	ug/l	99
30) Chloroform	7.52	83	792050	138.402	ug/l	100
31) Cyclohexane	7.79	56	738343	133.603	ug/l	98
32) 1,1,1-Trichloroethane	7.71	97	746635	140.880	ug/l	100
36) 1,1-Dichloropropene	7.92	75	641560	140.688	ug/l	100
37) Ethyl Acetate	7.08	43	308166	131.195	ug/l	100
38) Carbon Tetrachloride	7.91	117	706758	141.891	ug/l	99

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Quant Time: May 15 13:33:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y051520S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 15 12:50:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	873105	144.396	ug/l	99
40) Benzene	8.16	78	1875812	141.612	ug/l	99
41) Methacrylonitrile	7.33	41	194252m	153.941	ug/l	
42) 1,2-Dichloroethane	8.24	62	499361	136.082	ug/l	100
43) Isopropyl Acetate	8.28	43	609552	138.768	ug/l	100
44) Trichloroethene	8.94	130	589289	141.698	ug/l	98
45) 1,2-Dichloropropane	9.22	63	448105	140.861	ug/l	100
46) Dibromomethane	9.31	93	253636	138.531	ug/l	99
47) Bromodichloromethane	9.50	83	626234	140.534	ug/l	98
48) Methyl methacrylate	9.30	41	280022	141.048	ug/l	98
49) 1,4-Dioxane	9.30	88	66692	2757.053	ug/l	97
51) 4-Methyl-2-Pentanone	10.07	43	1531011	678.634	ug/l	99
52) Toluene	10.24	92	1213514	142.549	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	672093	144.038	ug/l	99
54) cis-1,3-Dichloropropene	9.93	75	765605	141.486	ug/l	98
55) 1,1,2-Trichloroethane	10.64	97	373278	139.762	ug/l	97
56) Ethyl methacrylate	10.51	69	516437	145.106	ug/l	99
57) 1,3-Dichloropropane	10.79	76	625338	138.152	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	1265055	671.626	ug/l	100
59) 2-Hexanone	10.83	43	1062615	684.016	ug/l	99
60) Dibromochloromethane	10.99	129	486367	142.506	ug/l	99
61) 1,2-Dibromoethane	11.09	107	368776	138.914	ug/l	100
64) Tetrachloroethene	10.72	164	630528	142.077	ug/l	100
65) Chlorobenzene	11.52	112	1333818	141.603	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	503500	144.101	ug/l	100
67) Ethyl Benzene	11.59	91	2359128	142.924	ug/l	99
68) m/p-Xylenes	11.70	106	1842307	287.980	ug/l	99
69) o-Xylene	12.03	106	862426	143.611	ug/l	99
70) Styrene	12.05	104	1488902	145.202	ug/l	99
71) Bromoform	12.20	173	311922	143.917	ug/l #	100
73) Isopropylbenzene	12.33	105	2320998	145.245	ug/l	99
74) N-amyl acetate	12.14	43	552321	144.494	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.58	83	348774	139.130	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	288224m	134.091	ug/l	
77) Bromobenzene	12.61	156	581715	145.725	ug/l	99
78) n-propylbenzene	12.67	91	2671239	144.052	ug/l	100
79) 2-Chlorotoluene	12.75	91	1488500	144.780	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	1931596	145.701	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	156663	144.325	ug/l #	80
82) 4-Chlorotoluene	12.85	91	1543407	143.188	ug/l	99
83) tert-Butylbenzene	13.08	119	1708334	146.994	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	1920864	145.239	ug/l	100
85) sec-Butylbenzene	13.25	105	2314667	143.503	ug/l	99
86) p-Isopropyltoluene	13.37	119	2167396	143.395	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	1078897	142.484	ug/l	100
88) 1,4-Dichlorobenzene	13.44	146	1067800	142.531	ug/l	99
89) n-Butylbenzene	13.70	91	1948435	141.414	ug/l	99
90) Hexachloroethane	13.96	117	407727	147.564	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	958644	141.934	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	63954	136.035	ug/l	98

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VSTDICC150

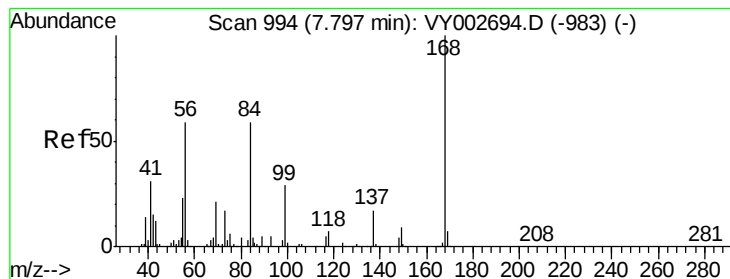
Manual Integrations
APPROVED

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y051520S.M
Quant Title : SW846 8260
QLast Update : Fri May 15 12:50:53 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	707256	143.558	ug/l	100
94) Hexachlorobutadiene	15.11	225	419272	141.530	ug/l	100
95) Naphthalene	15.23	128	1300674	145.466	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	602493	144.255	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: VY002696.D

Acq: 15 May 2020 13:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 367540

Ion Ratio Lower Upper

168 100

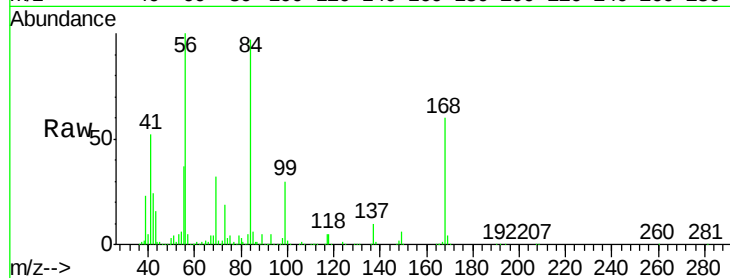
99 50.3 39.2 58.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VY002694.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY002694.D (-983) (-)

7.70 7.80 7.90

200000

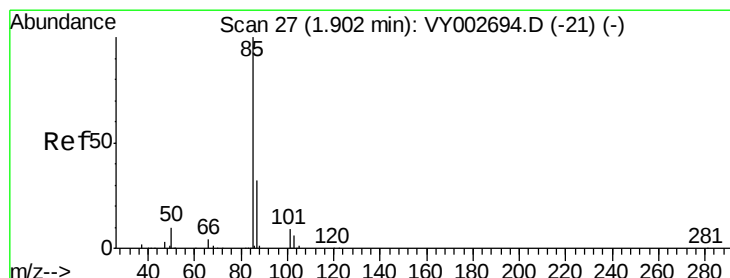
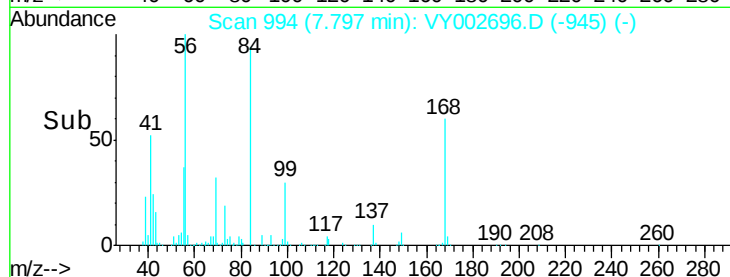
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 130.184 ug/l

RT: 1.90 min Scan# 27

Delta R.T. -0.00 min

Lab File: VY002696.D

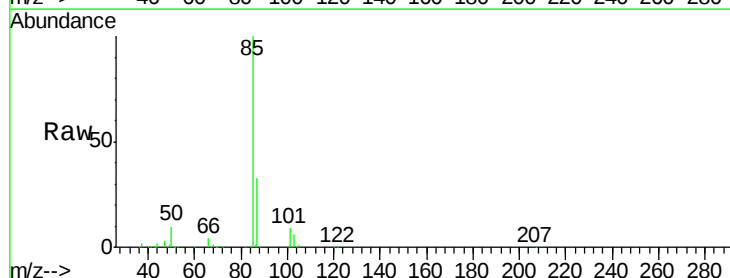
Acq: 15 May 2020 13:16

Tgt Ion: 85 Resp: 345533

Ion Ratio Lower Upper

85 100

87 32.5 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VY002694.D (-21) (-)

Ion 86.90 (86.60 to 87.60): VY002694.D (-21) (-)

1.80 1.90 2.00

250000

200000

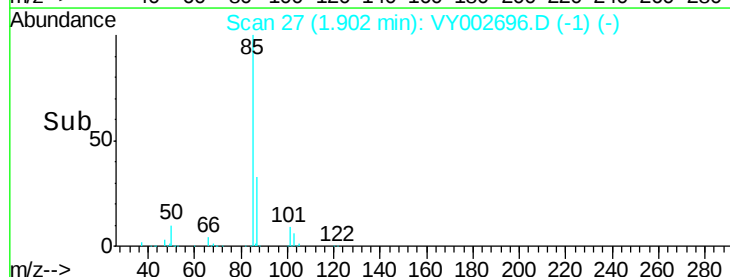
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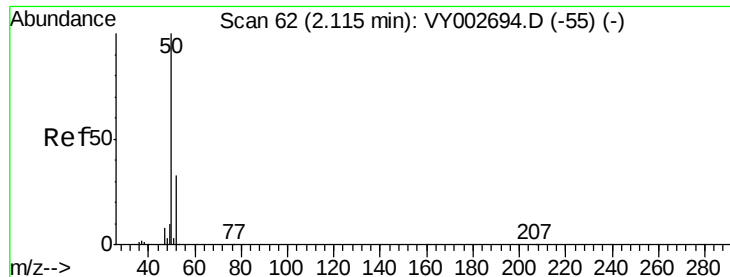
100000

50000

0

Time-->





#3

Chloromethane

Concen: 135.156 ug/l

RT: 2.11 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY002696.D

Acq: 15 May 2020 13:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 392296

Ion Ratio Lower Upper

50 100

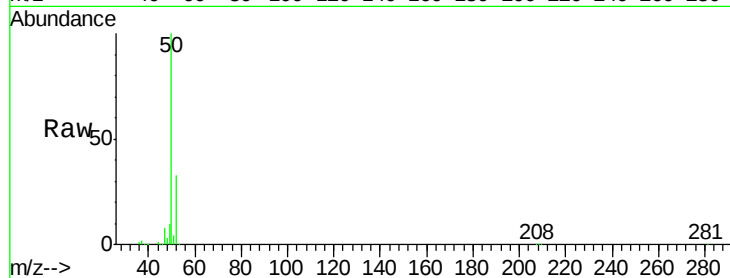
52 32.7 26.3 39.5

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Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0

2.11

250000

200000

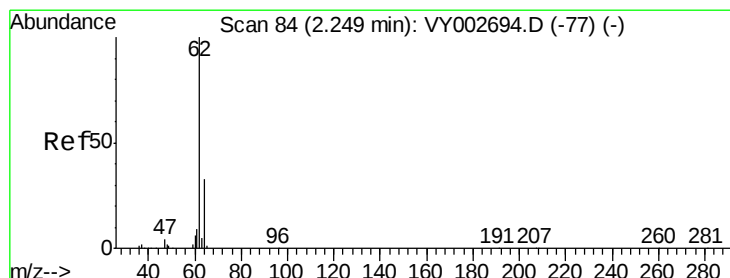
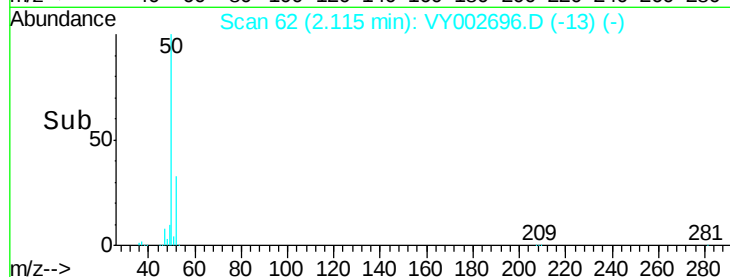
150000

100000

50000

0

Time--> 2.00 2.10 2.20



#4

Vinyl Chloride

Concen: 126.712 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.00 min

Lab File: VY002696.D

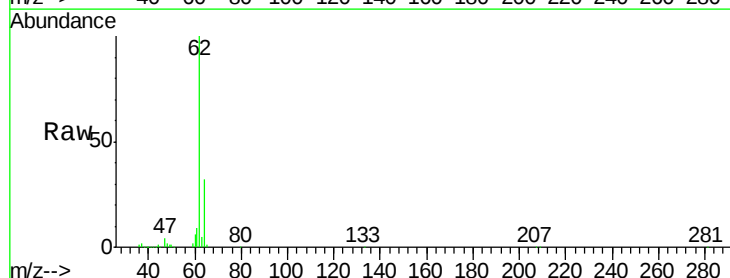
Acq: 15 May 2020 13:16

Tgt Ion: 62 Resp: 419352

Ion Ratio Lower Upper

62 100

64 31.8 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0

2.25

300000

250000

200000

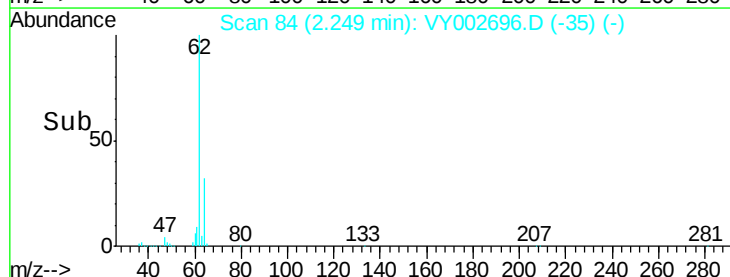
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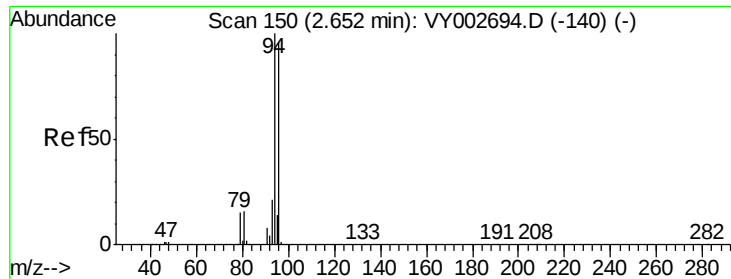
100000

50000

0

Time--> 2.20 2.30 2.40





#5

Bromomethane

Concen: 128.311 ug/l

RT: 2.63 min Scan# 146

Delta R.T. -0.02 min

Lab File: VY002696.D

Acq: 15 May 2020 13:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC150

Tot Ion: 94 Resp: 300617

Ion Ratio Lower Upper

94 100

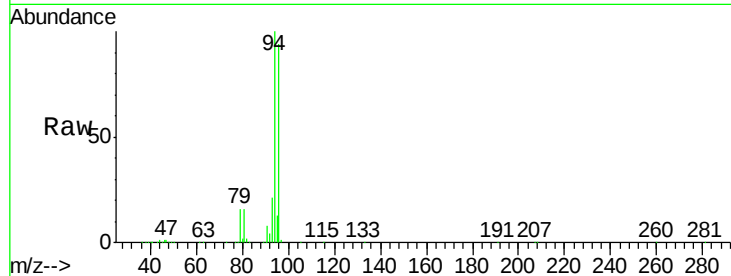
96 94.1 76.8 115.2

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0

150000

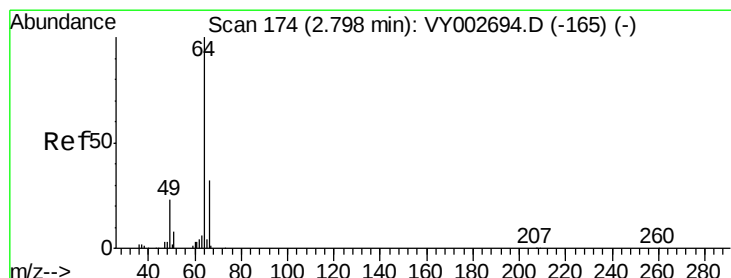
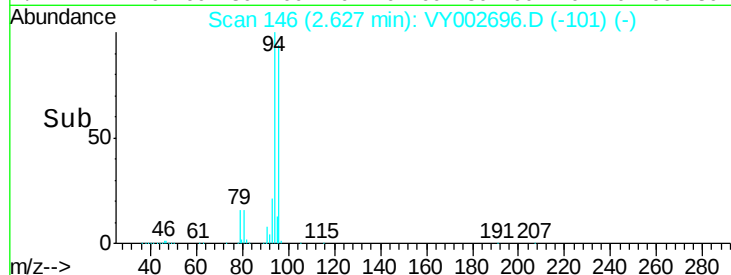
100000

50000

0

2.50 2.60 2.70 2.80

Time-->



#6

Chloroethane

Concen: 135.013 ug/l

RT: 2.79 min Scan# 172

Delta R.T. -0.01 min

Lab File: VY002696.D

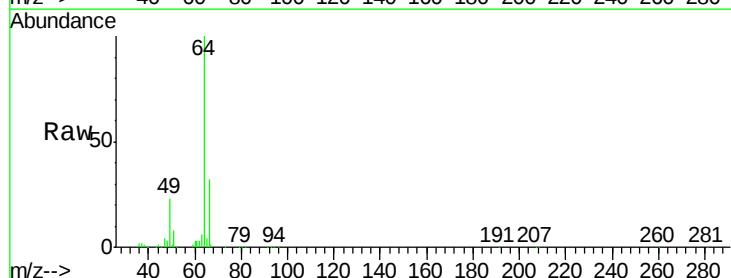
Acq: 15 May 2020 13:16

Tgt Ion: 64 Resp: 272704

Ion Ratio Lower Upper

64 100

66 32.1 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0

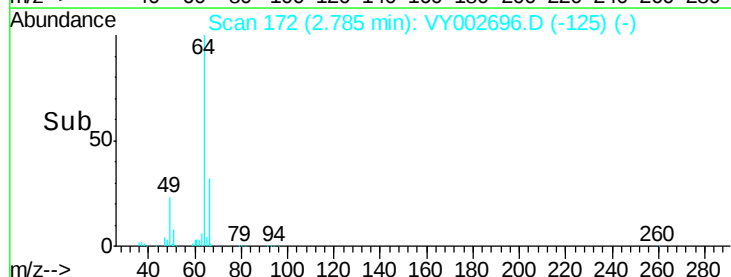
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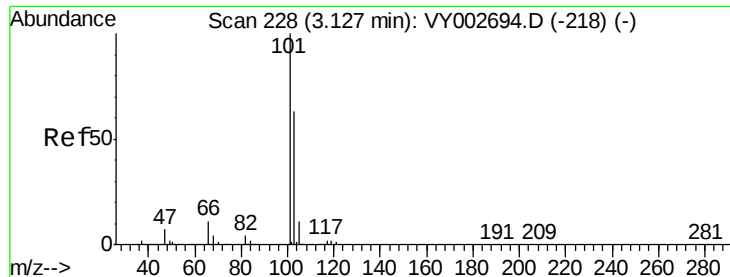
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0

2.70 2.80 2.90 3.00

Time-->





#7

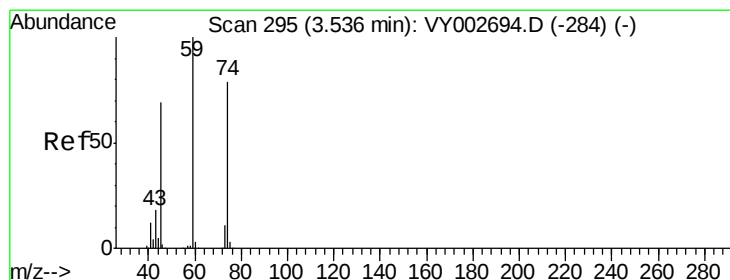
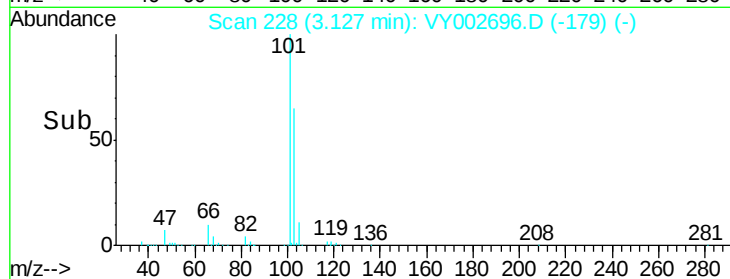
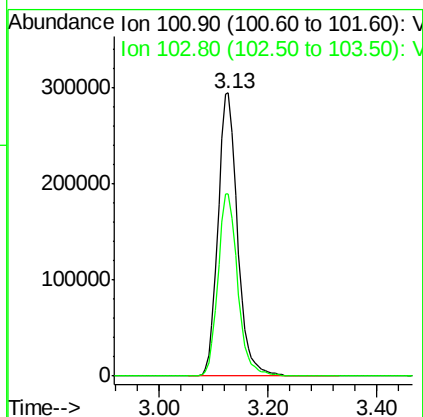
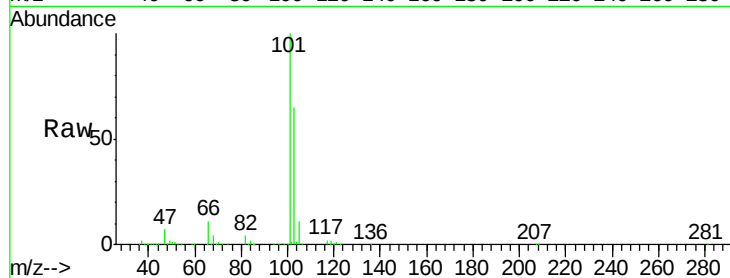
Trichlorofluoromethane
Concen: 139.157 ug/l
RT: 3.13 min Scan# 228
Delta R.T. -0.00 min
Lab File: VY002696.D
Acq: 15 May 2020 13:16

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VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
101	100	733686		
103	64.6	50.6	75.8	

Manual Integrations
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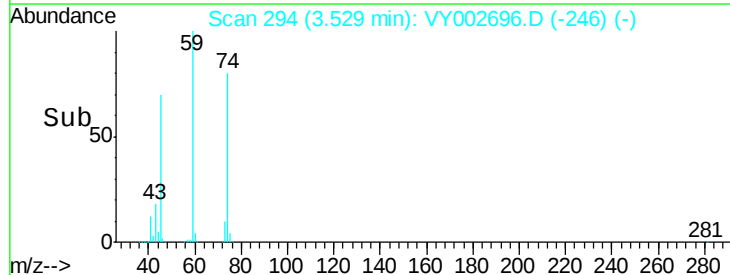
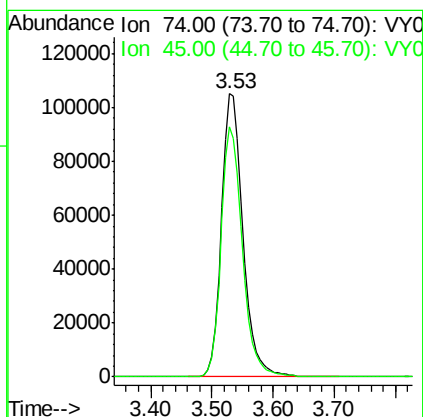
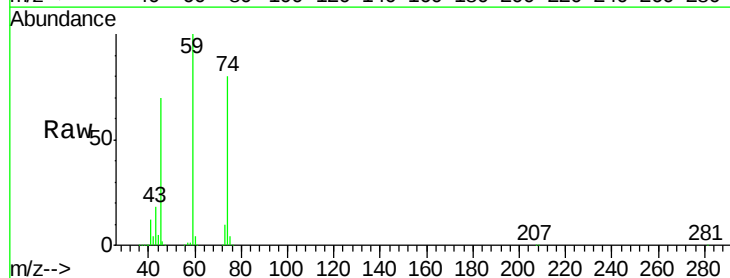
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5/18/2020 1:36:09 PM

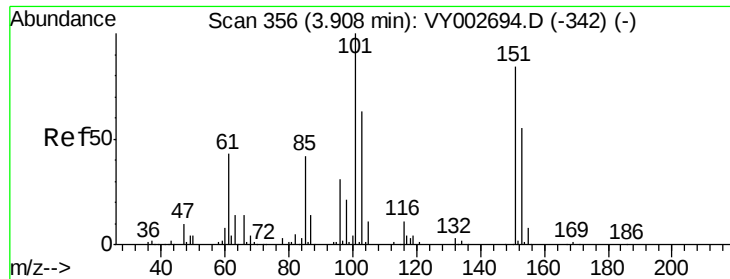


#8

Diethyl Ether
Concen: 142.604 ug/l
RT: 3.53 min Scan# 294
Delta R.T. -0.01 min
Lab File: VY002696.D
Acq: 15 May 2020 13:16

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	255248		
45	88.0	43.8	131.3	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 137.822 ug/l

RT: 3.90 min Scan# 355

Delta R.T. -0.01 min

Lab File: VY002696.D

Acq: 15 May 2020 13:16

Instrument :

MSVOA_Y

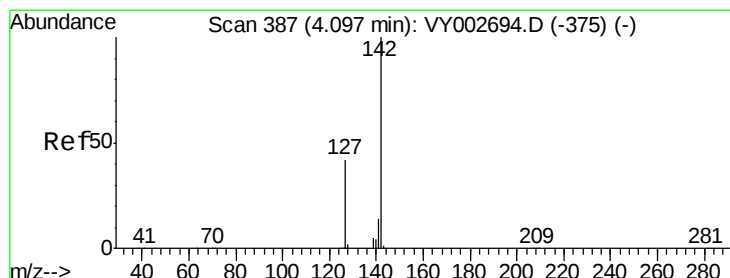
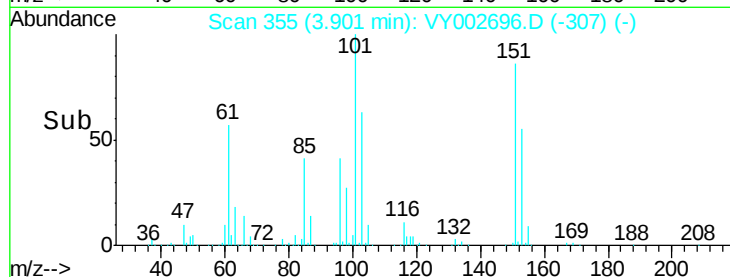
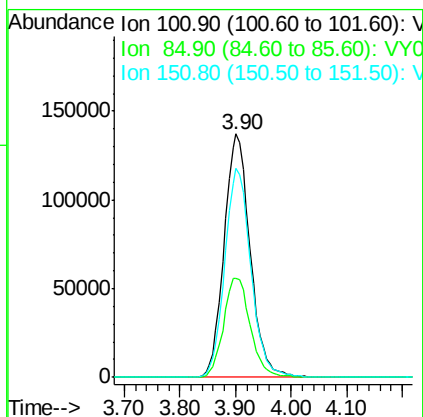
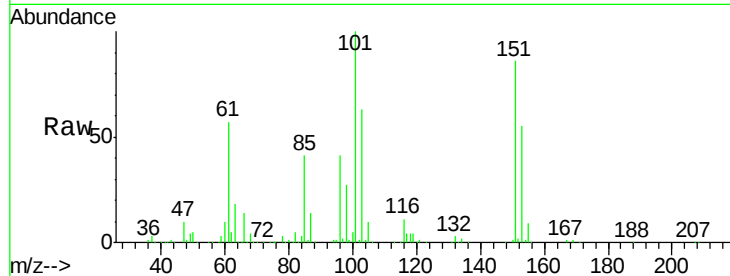
ClientSampleId :

VSTDIC150

Tot Ion:	101	Resp:	444081
Ion Ratio	Lower	Upper	
101	100		
85	41.8	33.5	50.3
151	86.1	69.6	104.4

Manual Integrations
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#10

Methyl Iodide

Concen: 151.232 ug/l

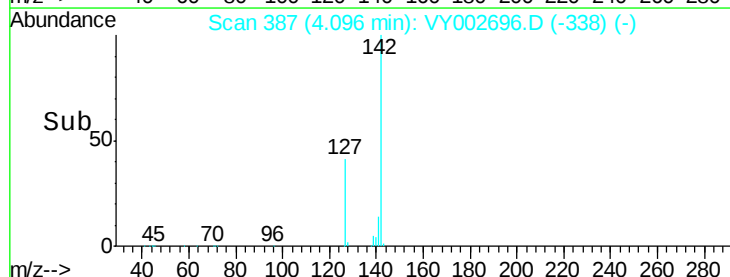
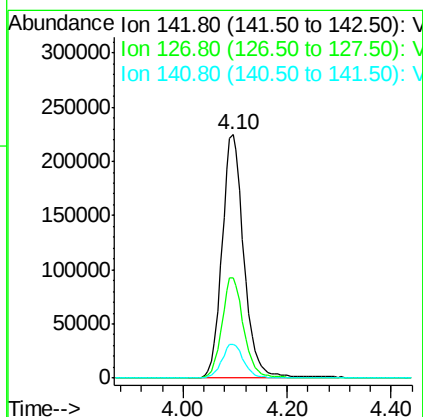
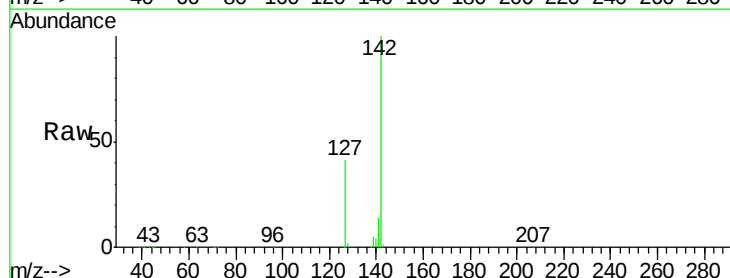
RT: 4.10 min Scan# 387

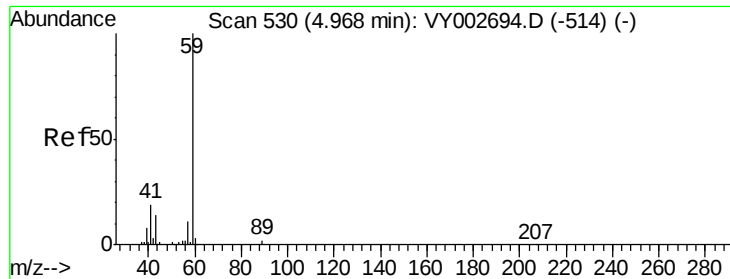
Delta R.T. -0.00 min

Lab File: VY002696.D

Acq: 15 May 2020 13:16

Tgt Ion:	142	Resp:	665079
Ion Ratio	Lower	Upper	
142	100		
127	40.8	32.8	49.2
141	14.1	11.3	16.9





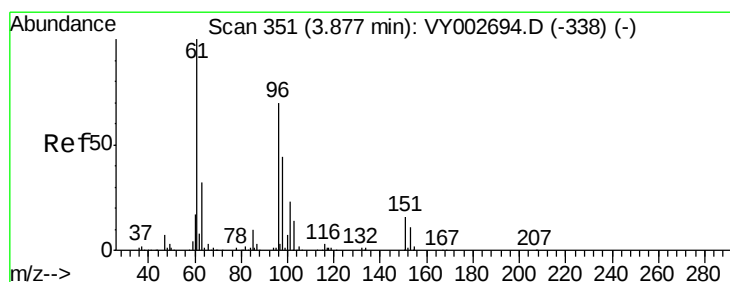
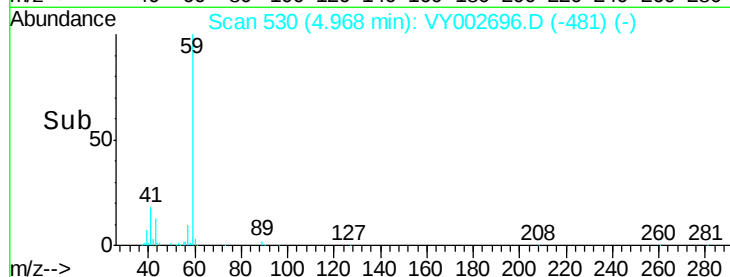
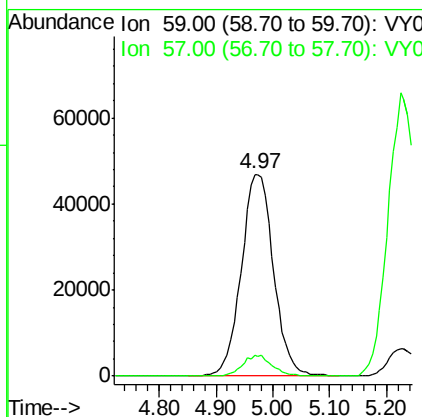
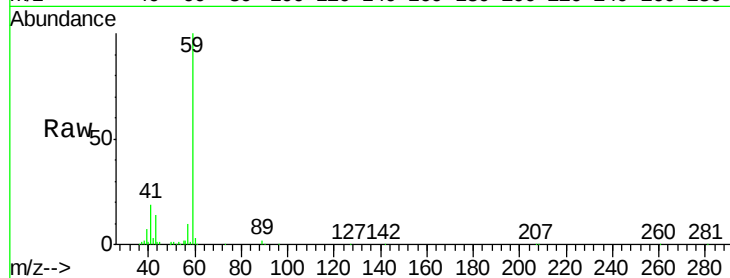
#11
Tert butyl alcohol
Concen: 588.029 ug/l
RT: 4.97 min Scan# 530
Delta R.T. -0.00 min
Lab File: VY002696.D
Acq: 15 May 2020 13:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.5	7.7	11.5

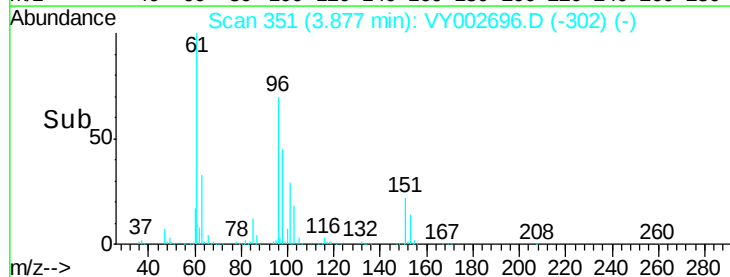
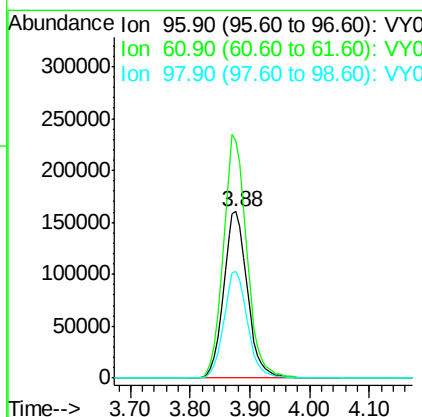
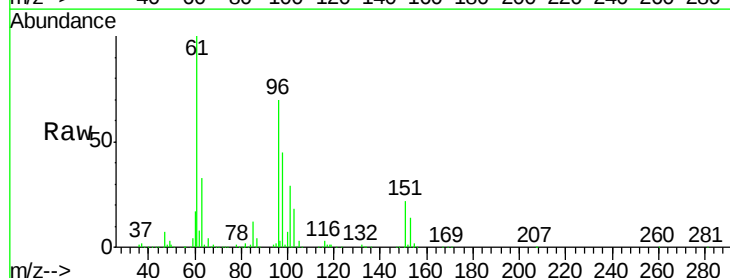
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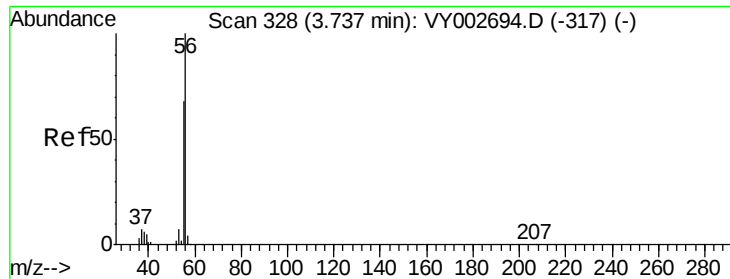
MMDadoda
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#12
1,1-Dichloroethene
Concen: 140.726 ug/l
RT: 3.88 min Scan# 351
Delta R.T. -0.00 min
Lab File: VY002696.D
Acq: 15 May 2020 13:16

Tgt Ion	Ratio	Lower	Upper
96	100		
61	142.8	113.8	170.8
98	64.4	50.4	75.6





#13

Acrolein

Concen: 989.443 ug/l

RT: 3.74 min Scan# 328

Delta R.T. -0.00 min

Lab File: VY002696.D

Acq: 15 May 2020 13:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 235213

Ion Ratio Lower Upper

56 100

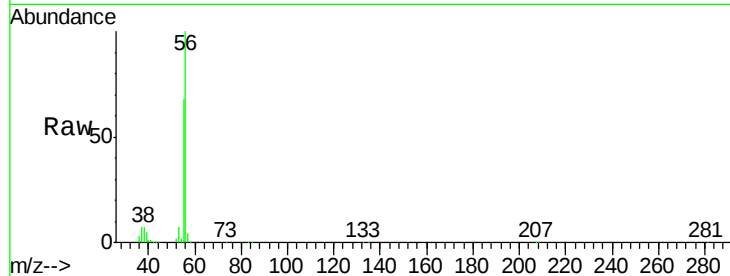
55 69.7 54.8 82.2

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

3.74

100000

80000

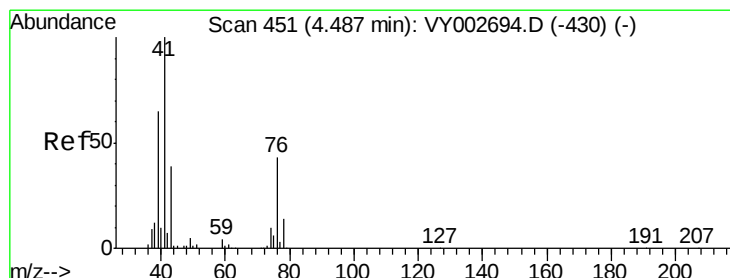
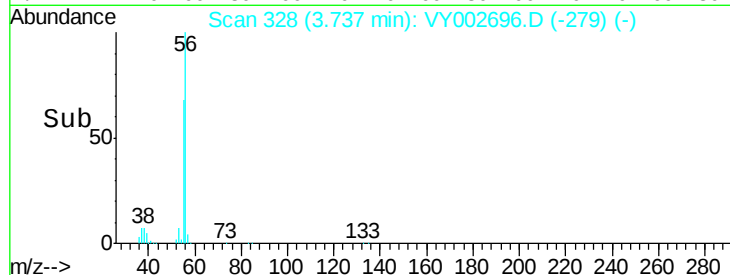
60000

40000

20000

0

Time-->



#14

Allyl chloride

Concen: 142.007 ug/l

RT: 4.49 min Scan# 451

Delta R.T. -0.00 min

Lab File: VY002696.D

Acq: 15 May 2020 13:16

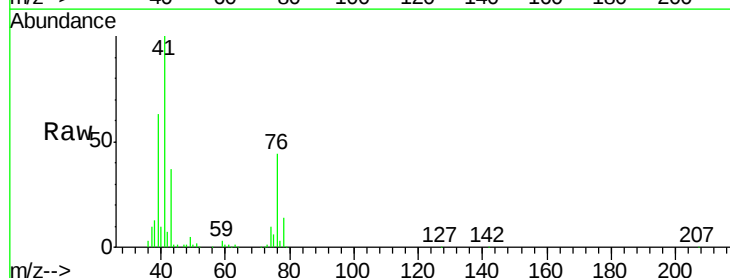
Tgt Ion: 41 Resp: 649692

Ion Ratio Lower Upper

41 100

39 62.5 50.3 75.5

76 41.2 33.2 49.8



Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 75.90 (75.60 to 76.60): VY0

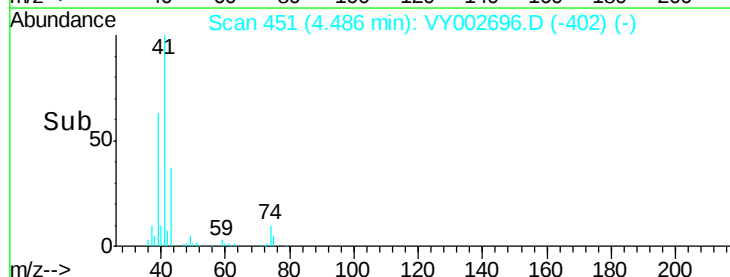
600000

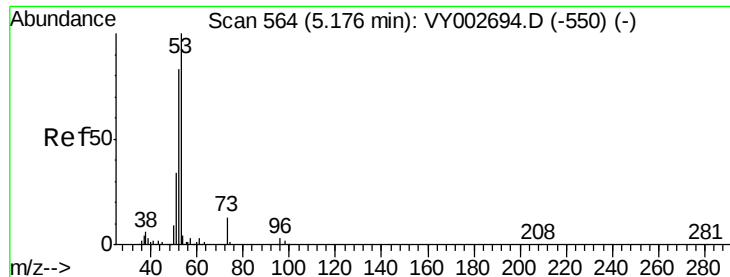
400000

200000

0

Time-->





#15

Acrylonitrile

Concen: 673.639 ug/l

RT: 5.18 min Scan# 564

Delta R.T. -0.00 min

Lab File: VY002696.D

Acq: 15 May 2020 13:16

Instrument :

MSVOA_Y

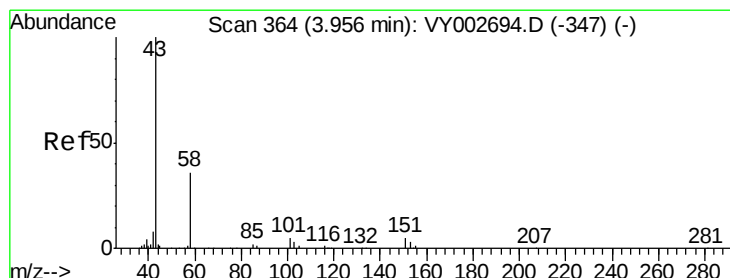
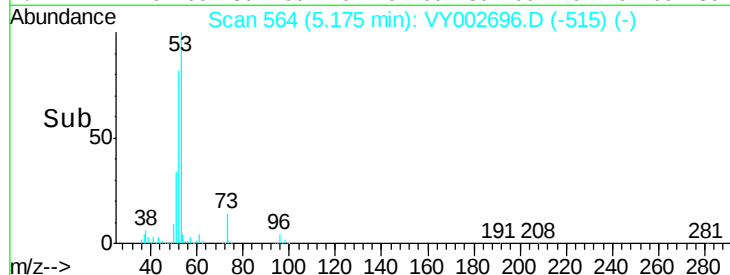
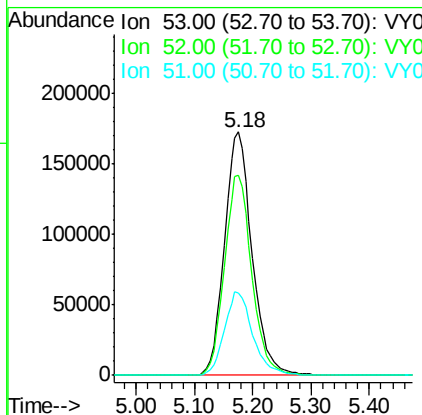
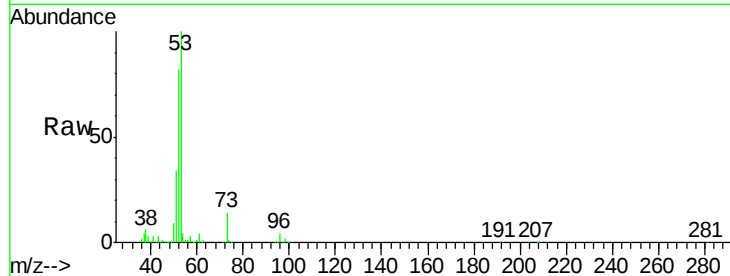
ClientSampleId :

VSTDIC150

Tot Ion:	53	Resp:	566568
Ion Ratio	Lower	Upper	
53	100		
52	81.6	65.0	97.6
51	35.3	27.9	41.9

Manual Integrations
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#16

Acetone

Concen: 682.989 ug/l

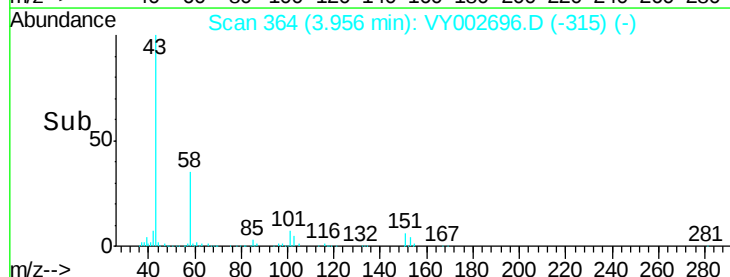
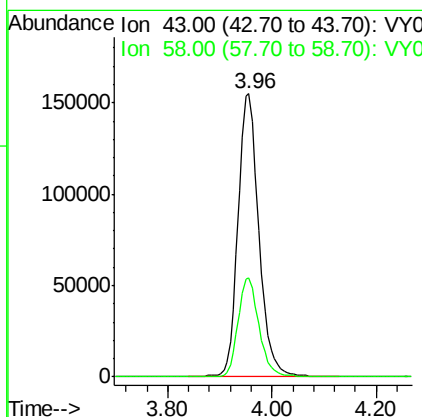
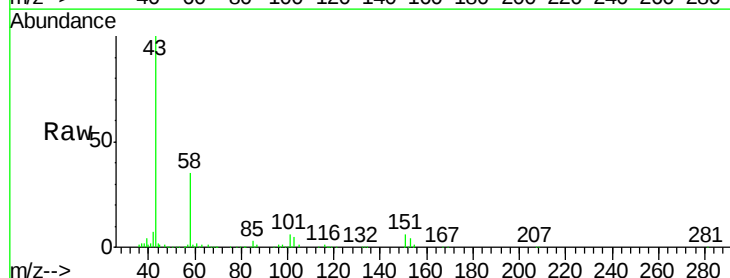
RT: 3.96 min Scan# 364

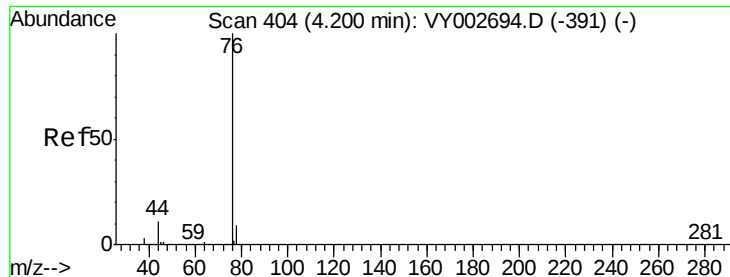
Delta R.T. -0.00 min

Lab File: VY002696.D

Acq: 15 May 2020 13:16

Tgt Ion:	43	Resp:	431304
Ion Ratio	Lower	Upper	
43	100		
58	34.8	28.6	43.0





#17

Carbon Disulfide

Concen: 146.443 ug/l

RT: 4.20 min Scan# 404

Delta R.T. -0.00 min

Lab File: VY002696.D

Acq: 15 May 2020 13:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC150

Tot Ion: 76 Resp: 1389441

Ion Ratio Lower Upper

76 100

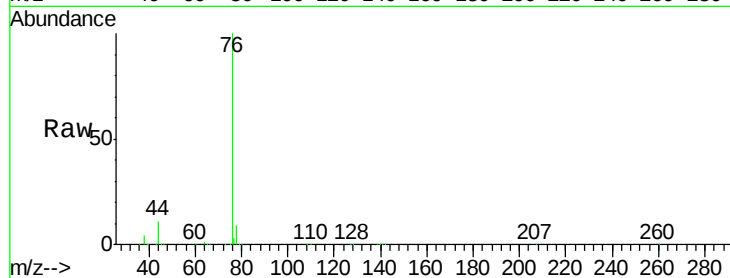
78 9.1 7.1 10.7

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0

4.20

500000

400000

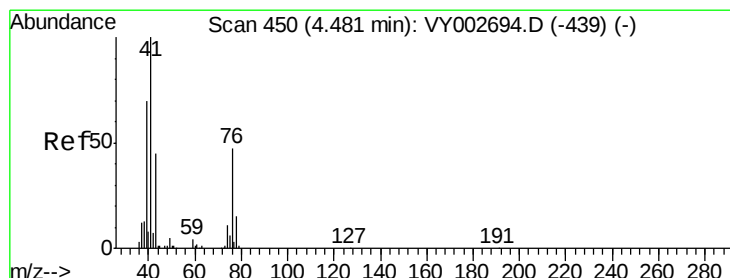
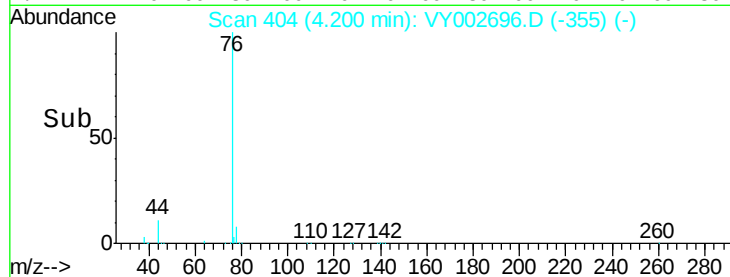
300000

200000

100000

0

Time--> 4.00 4.10 4.20 4.30 4.40



#18

Methyl Acetate

Concen: 112.497 ug/l

RT: 4.48 min Scan# 450

Delta R.T. -0.00 min

Lab File: VY002696.D

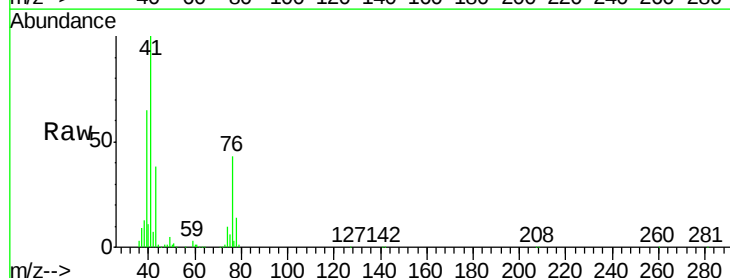
Acq: 15 May 2020 13:16

Tgt Ion: 43 Resp: 232407

Ion Ratio Lower Upper

43 100

74 26.6 21.1 31.7



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0

4.48

80000

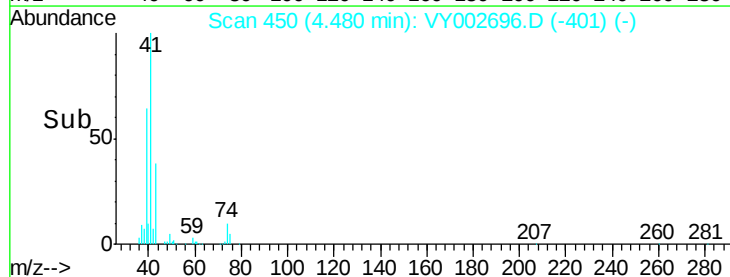
60000

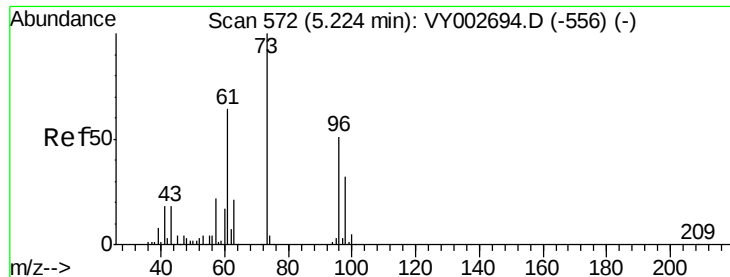
40000

20000

0

Time--> 4.30 4.40 4.50 4.60 4.70





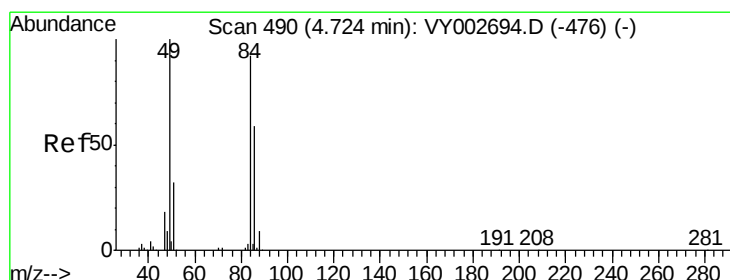
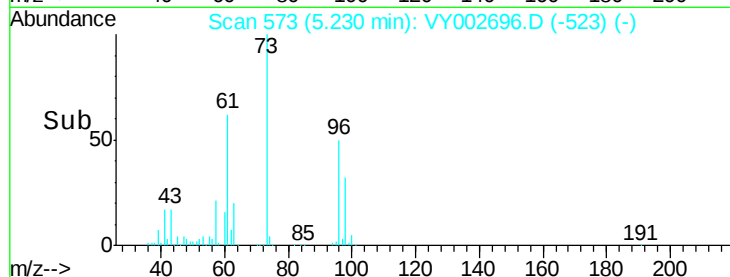
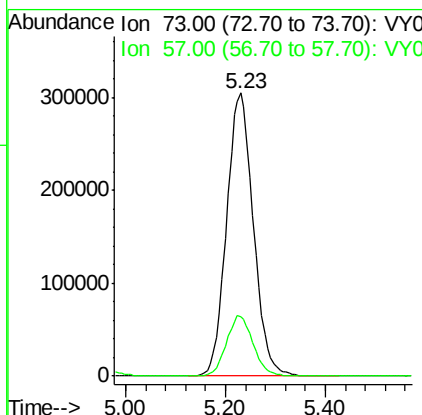
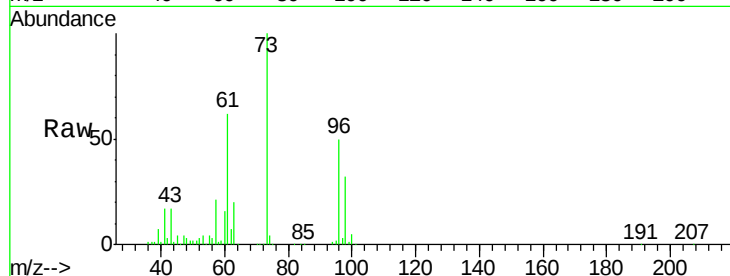
#19
Methvl tert-butvl Ether
Concen: 138.368 ug/l
RT: 5.23 min Scan# 573
Delta R.T. 0.01 min
Lab File: VY002696.D
Acq: 15 May 2020 13:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion: 73 Resp: 1134566
Ion Ratio Lower Upper
73 100
57 21.1 17.3 25.9

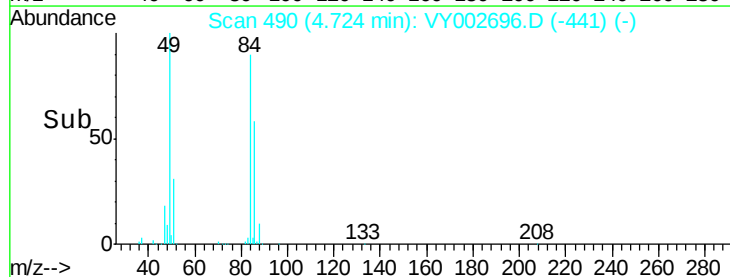
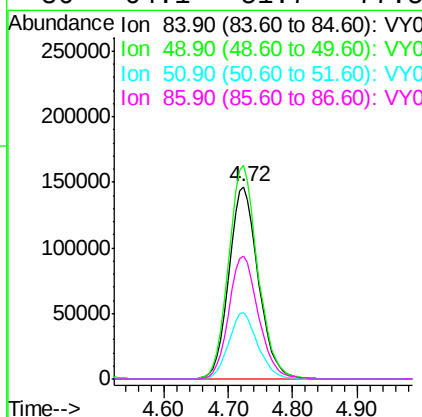
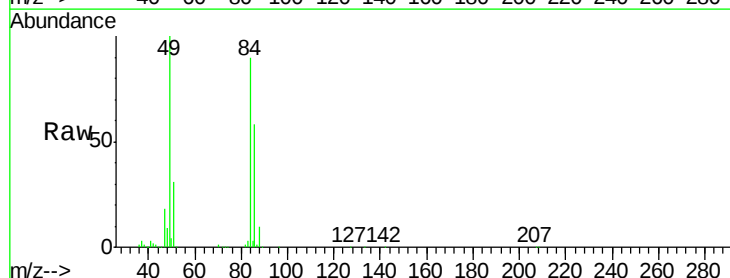
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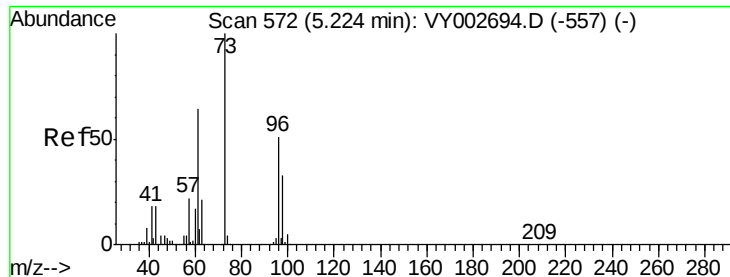
MMDadoda
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#20
Methylene Chloride
Concen: 130.924 ug/l
RT: 4.72 min Scan# 490
Delta R.T. -0.00 min
Lab File: VY002696.D
Acq: 15 May 2020 13:16

Tgt Ion: 84 Resp: 467242
Ion Ratio Lower Upper
84 100
49 110.9 87.4 131.0
51 34.8 27.9 41.9
86 64.1 51.7 77.5





#21

trans-1,2-Dichloroethene

Concen: 141.824 ug/l

RT: 5.22 min Scan# 572

Delta R.T. -0.00 min

Lab File: VY002696.D

Acq: 15 May 2020 13:16

Instrument :

MSVOA_Y

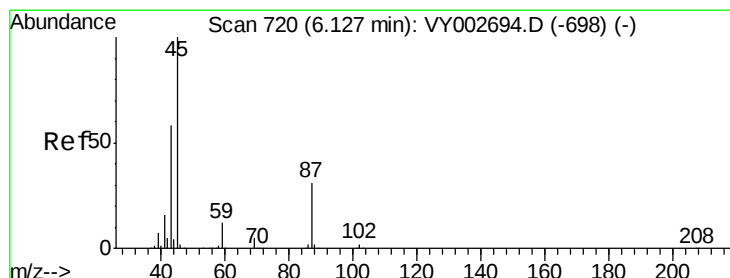
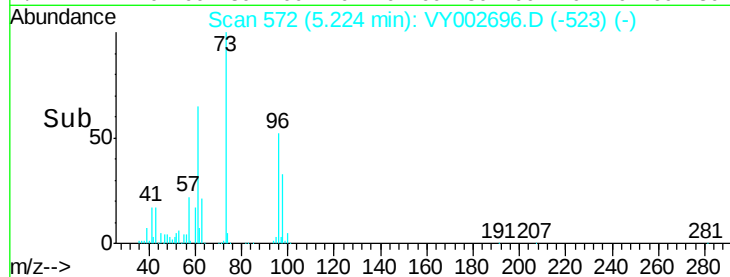
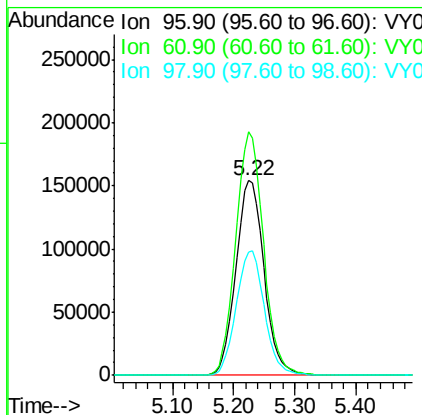
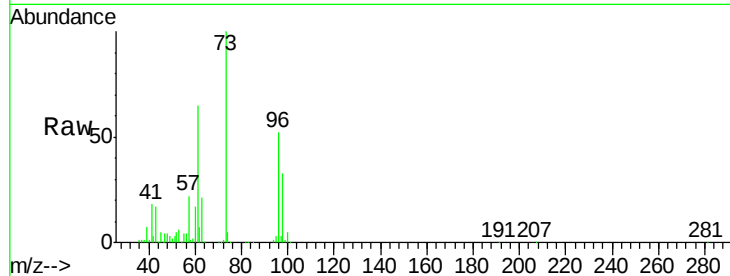
ClientSampleId :

VSTDIC150

Tot Ion:	96	Resp:	490304
Ion	Ratio	Lower	Upper
96	100		
61	125.1	99.6	149.4
98	63.7	50.6	76.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 136.704 ug/l

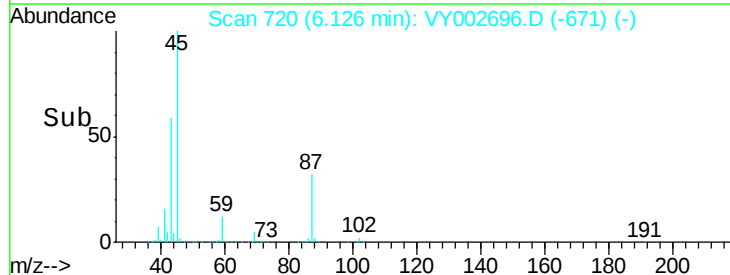
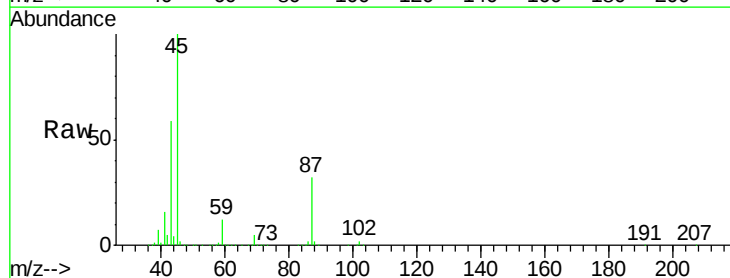
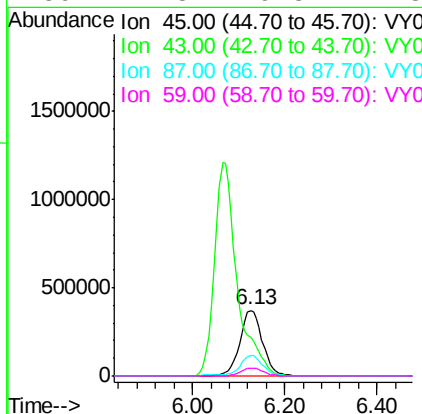
RT: 6.13 min Scan# 720

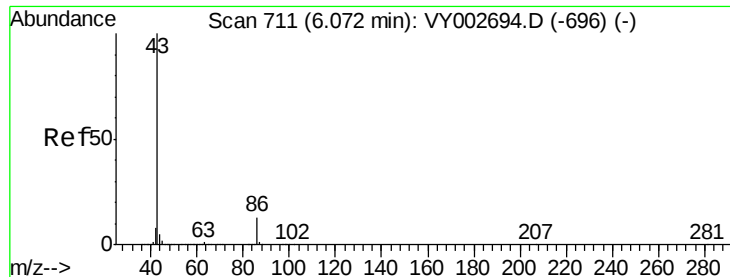
Delta R.T. -0.00 min

Lab File: VY002696.D

Acq: 15 May 2020 13:16

Tgt Ion:	45	Resp:	1267970
Ion	Ratio	Lower	Upper
45	100		
43	58.5	46.1	69.1
87	31.8	24.9	37.3
59	11.8	9.8	14.8





#23

Vinyl Acetate

Concen: 707.599 ug/l

RT: 6.07 min Scan# 710

Delta R.T. -0.01 min

Lab File: VY002696.D

Acq: 15 May 2020 13:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 4137087

Ion Ratio Lower Upper

43 100

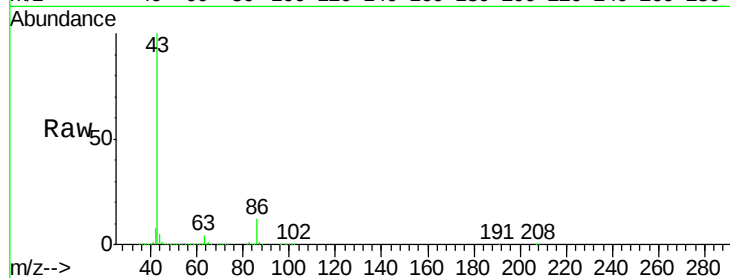
86 12.3 10.1 15.1

Manual Integrations

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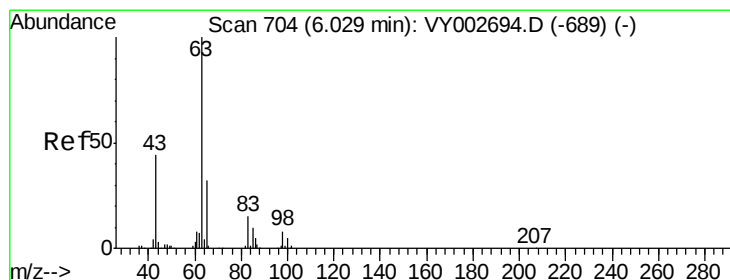
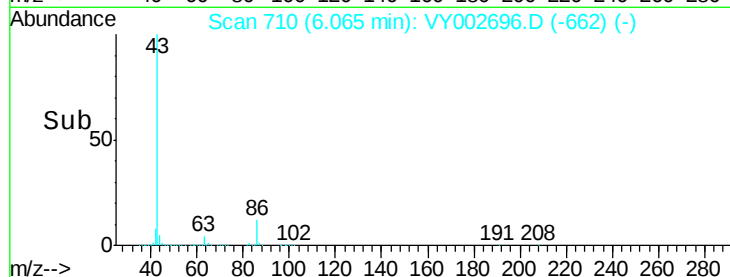
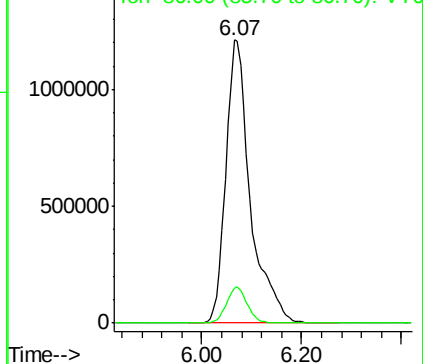
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 139.810 ug/l

RT: 6.03 min Scan# 704

Delta R.T. -0.00 min

Lab File: VY002696.D

Acq: 15 May 2020 13:16

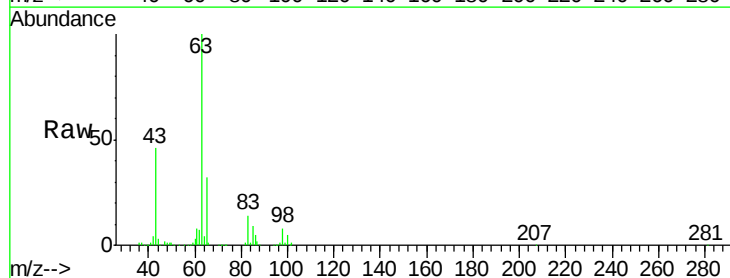
Tgt Ion: 63 Resp: 766284

Ion Ratio Lower Upper

63 100

98 7.7 4.0 11.9

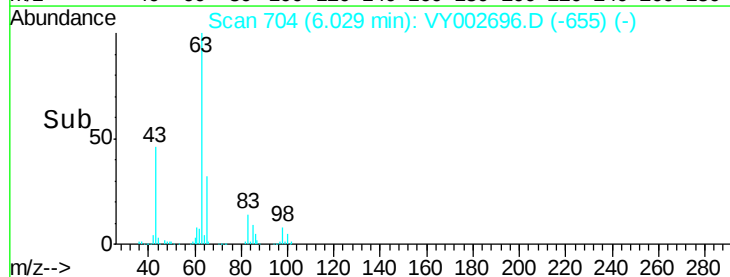
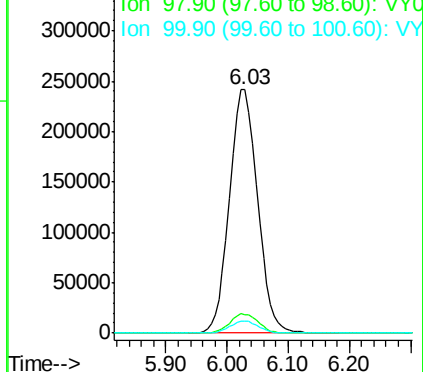
100 5.0 2.5 7.6



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





#25

2-Butanone

Concen: 669.231 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.01 min

Lab File: VY002696.D

Acq: 15 May 2020 13:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC150

Tot Ion: 43 Resp: 690599

Ion Ratio Lower Upper

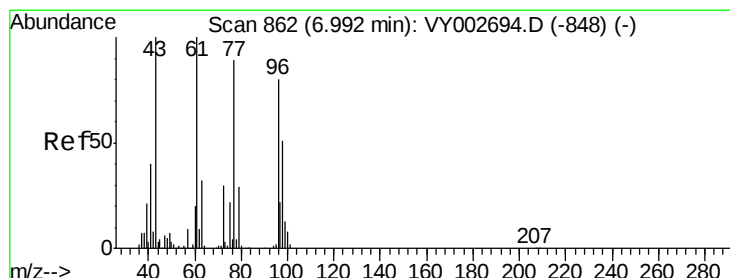
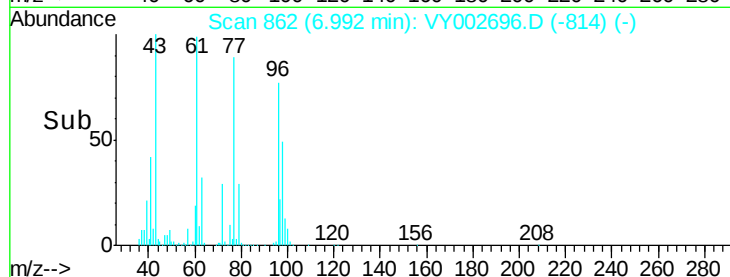
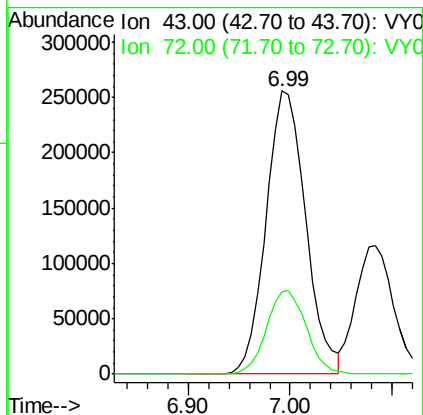
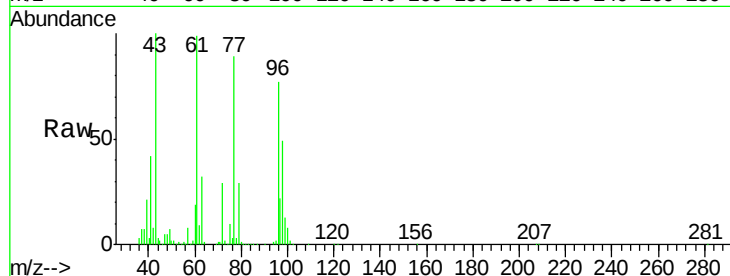
43 100

72 29.0 24.1 36.1

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 135.310 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.00 min

Lab File: VY002696.D

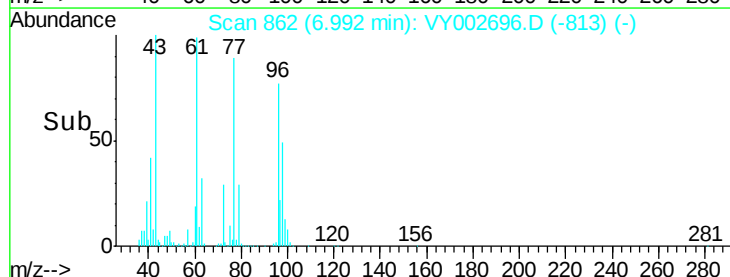
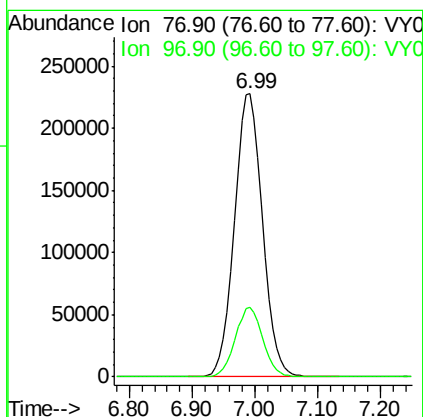
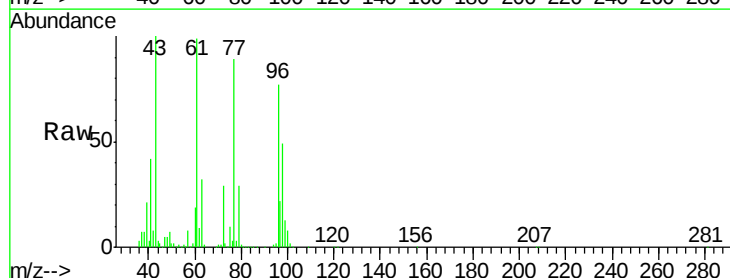
Acq: 15 May 2020 13:16

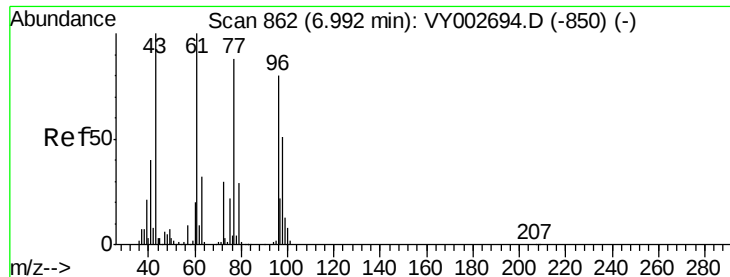
Tgt Ion: 77 Resp: 703213

Ion Ratio Lower Upper

77 100

97 24.2 12.3 36.9





#27

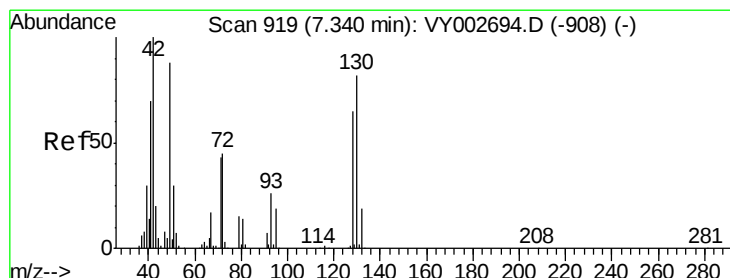
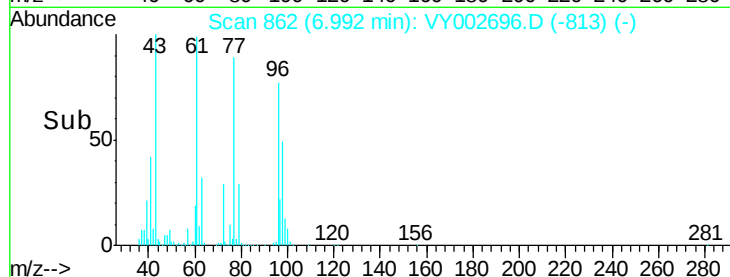
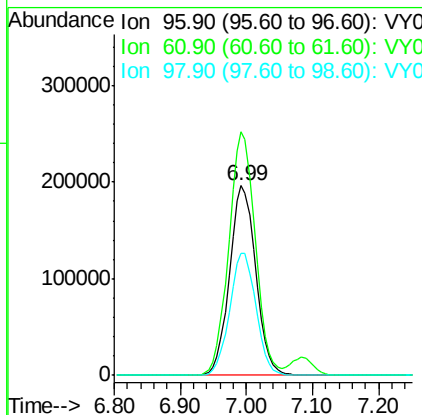
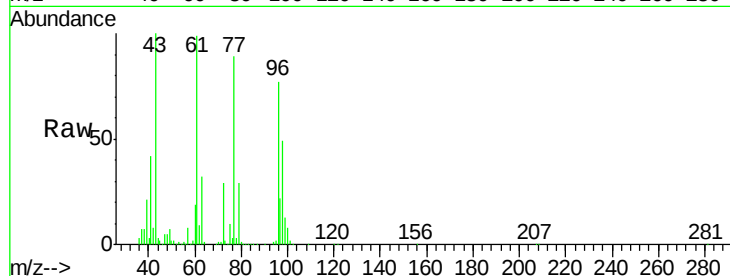
cis-1,2-Dichloroethene
Concen: 140.624 ug/l
RT: 6.99 min Scan# 862
Delta R.T. -0.00 min
Lab File: VY002696.D
Acq: 15 May 2020 13:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	129.8	0.0	258.0	
98	64.8	0.0	128.4	

Manual Integrations
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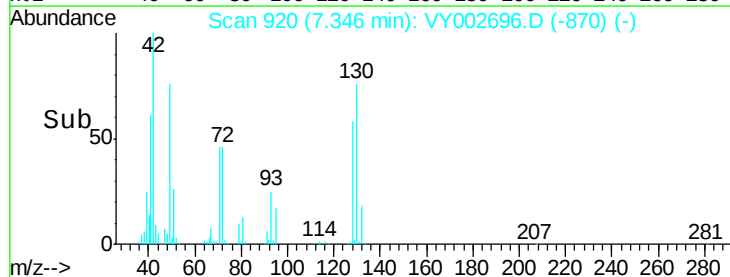
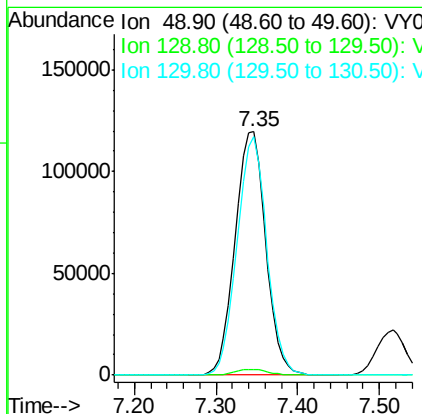
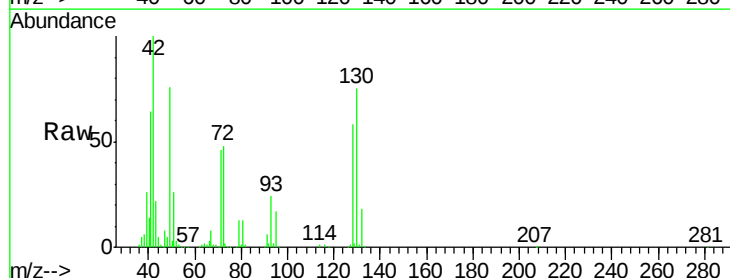
MMDadoda
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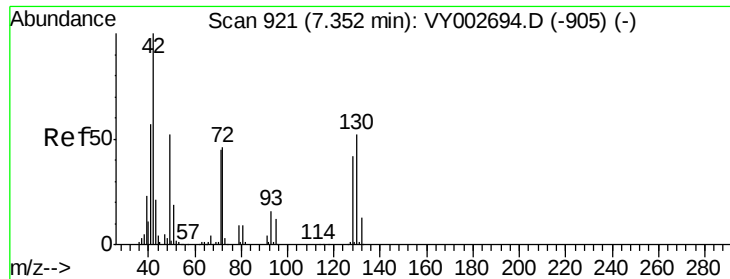


#28

Bromochloromethane
Concen: 139.111 ug/l
RT: 7.35 min Scan# 920
Delta R.T. 0.01 min
Lab File: VY002696.D
Acq: 15 May 2020 13:16

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.5	0.0	4.6	
130	94.9	75.3	112.9	





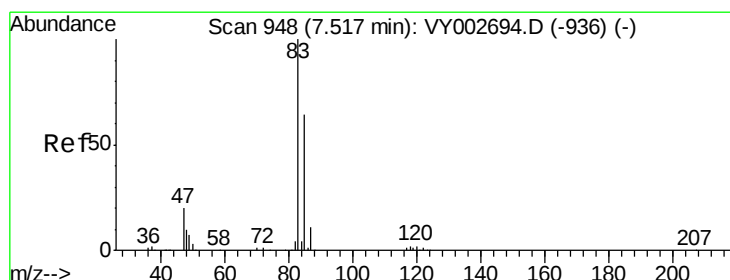
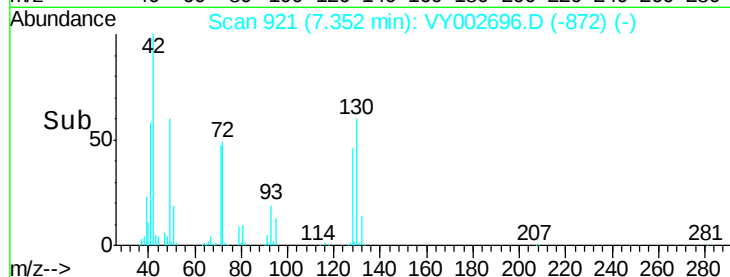
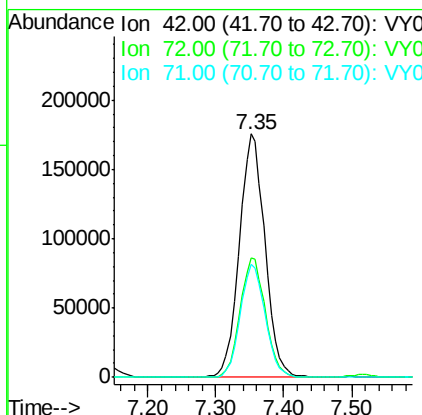
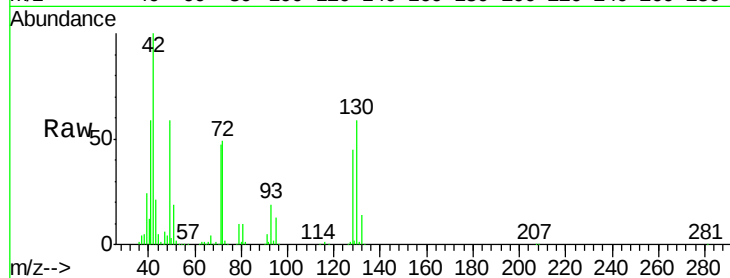
#29
Tetrahydrofuran
Concen: 669.771 ug/l
RT: 7.35 min Scan# 921
Delta R.T. -0.00 min
Lab File: VY002696.D
Acq: 15 May 2020 13:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.5	38.2	57.2
71	45.2	35.8	53.8

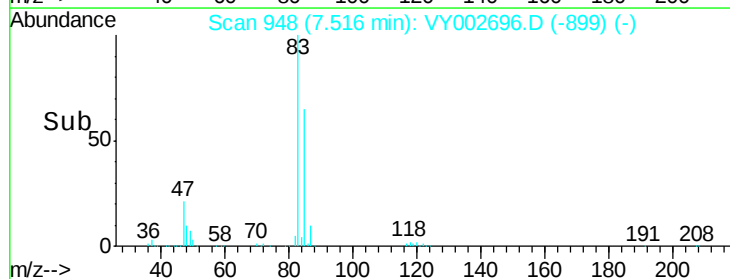
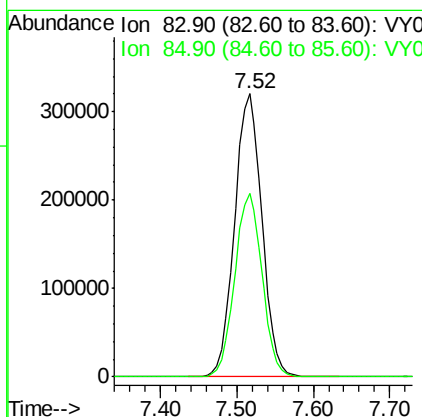
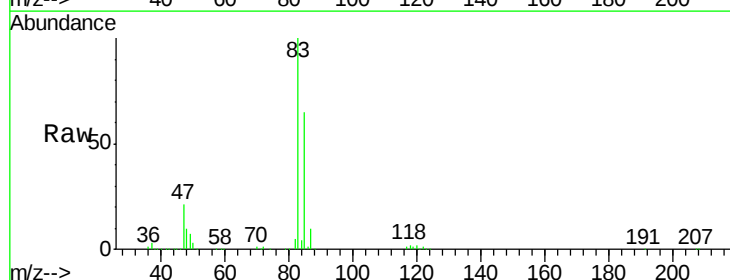
Manual Integrations
APPROVED

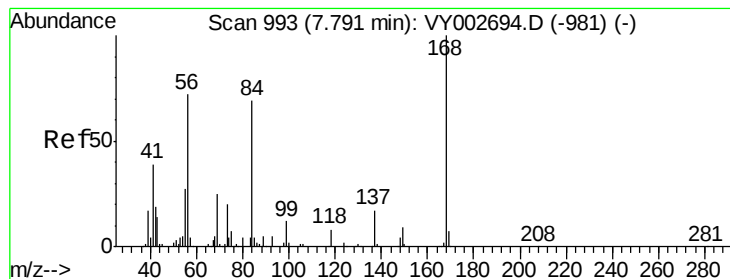
MMDadoda
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#30
Chloroform
Concen: 138.402 ug/l
RT: 7.52 min Scan# 948
Delta R.T. -0.00 min
Lab File: VY002696.D
Acq: 15 May 2020 13:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.5	77.3





#31

Cvclohexane

Concen: 133.603 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.00 min

Lab File: VY002696.D

Acq: 15 May 2020 13:16

Instrument :

MSVOA_Y

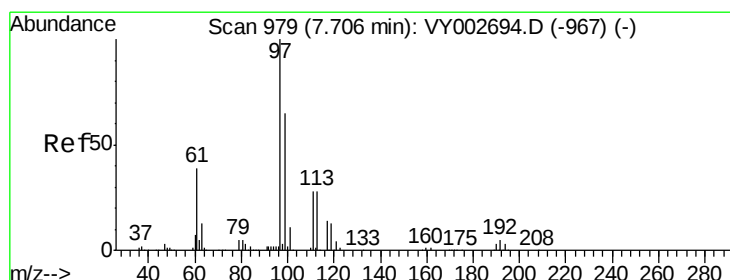
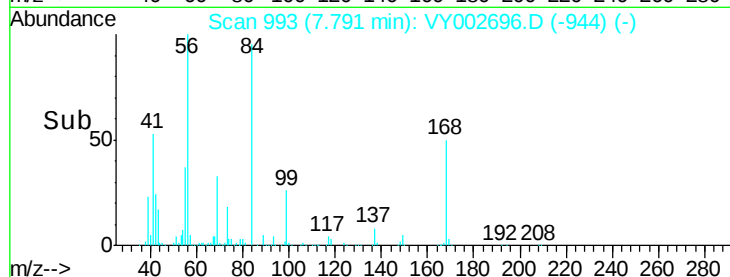
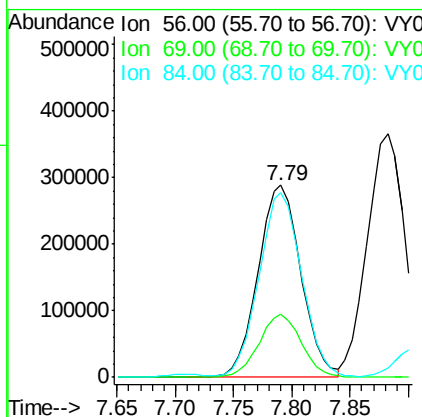
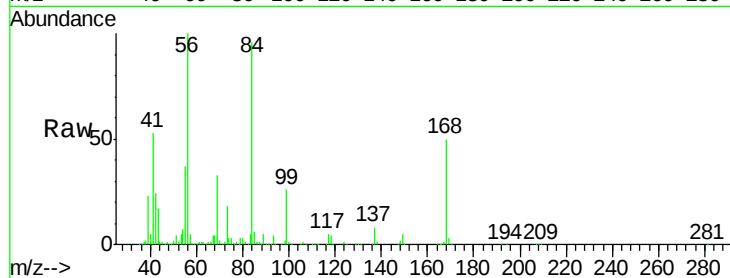
ClientSampleId :

VSTDIC150

Tot Ion:	56	Resp:	738343
Ion	Ratio	Lower	Upper
56	100		
69	32.8	27.7	41.5
84	94.7	77.0	115.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 140.880 ug/l

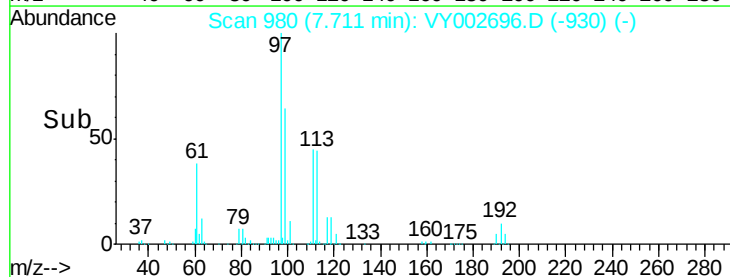
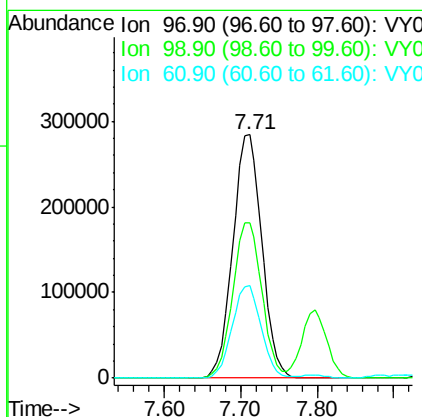
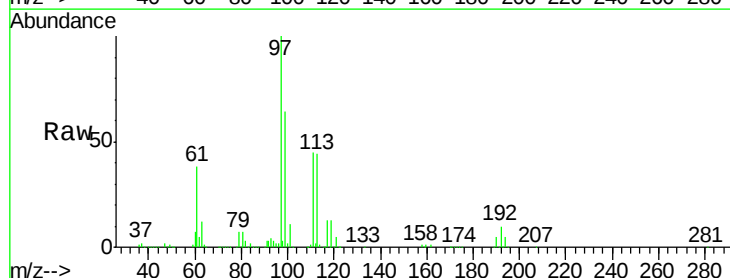
RT: 7.71 min Scan# 980

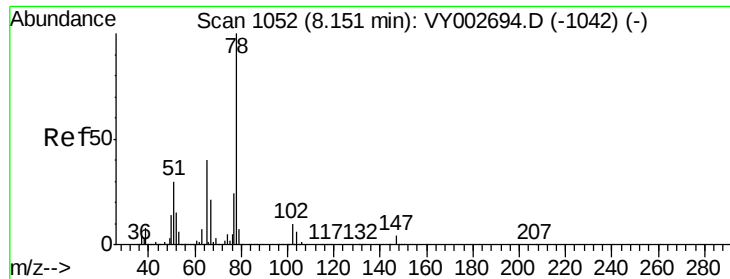
Delta R.T. 0.01 min

Lab File: VY002696.D

Acq: 15 May 2020 13:16

Tgt Ion:	97	Resp:	746635
Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.6	77.4
61	38.0	30.6	45.8





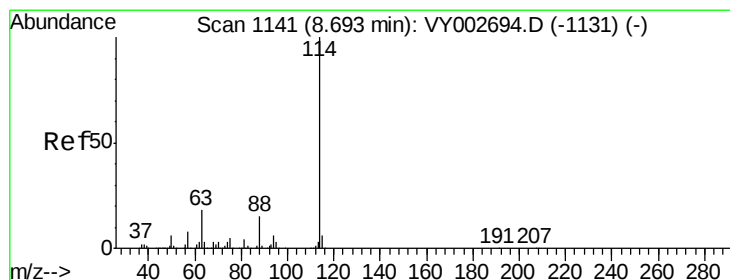
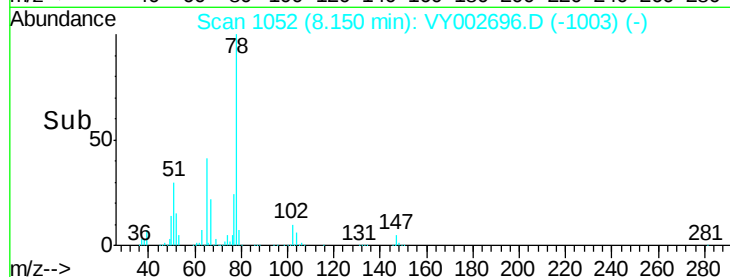
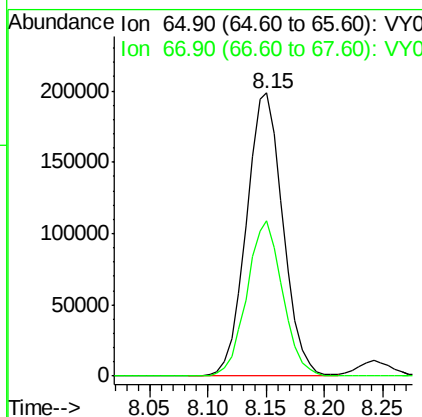
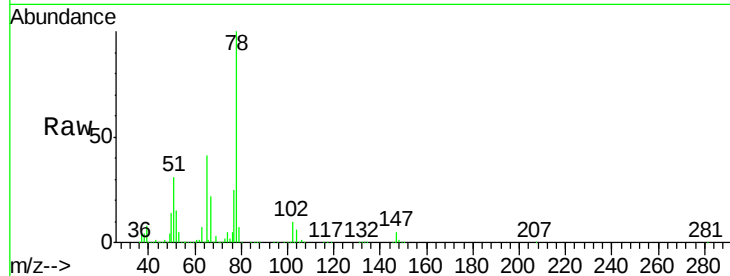
#33
 1,2-Dichloroethane-d4
 Concen: 141.480 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. -0.00 min
 Lab File: VY002696.D
 Acq: 15 May 2020 13:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.6	0.0	109.0	

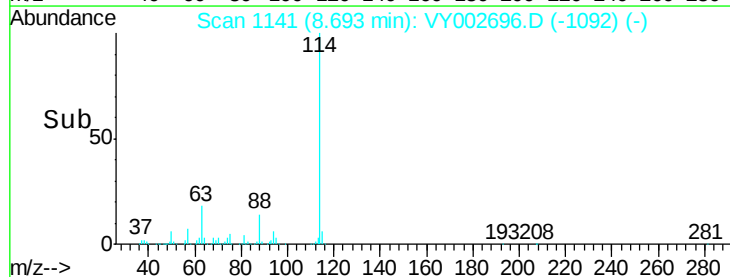
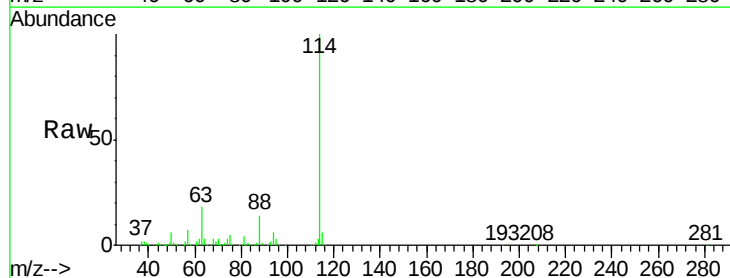
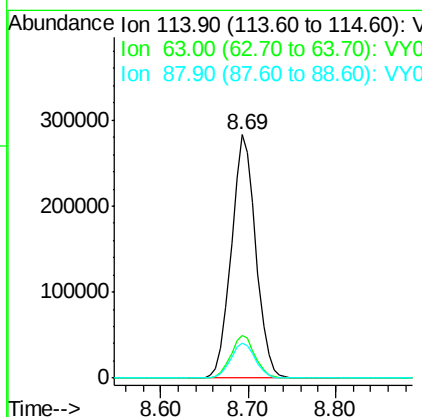
Manual Integrations
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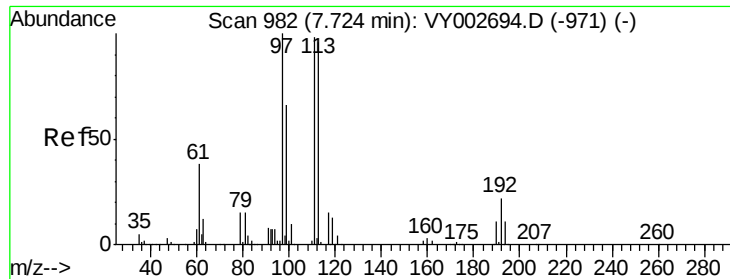
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.00 min
 Lab File: VY002696.D
 Acq: 15 May 2020 13:16

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	17.8	0.0	35.4	
88	14.1	0.0	29.4	





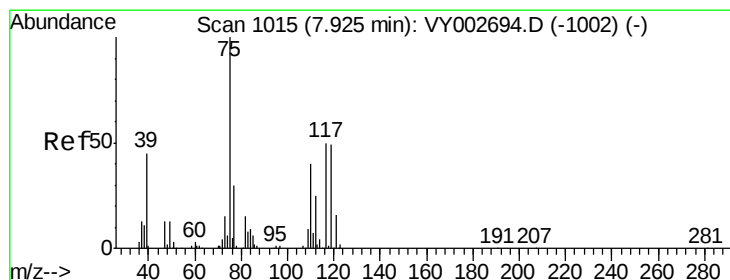
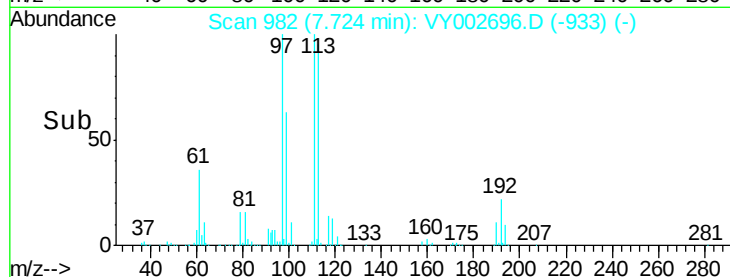
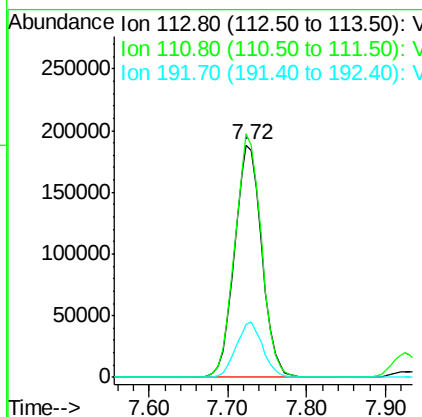
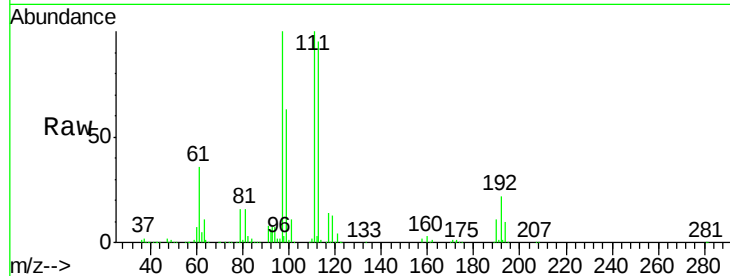
#35
 Dibromofluoromethane
 Concen: 144.047 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VY002696.D
 Acq: 15 May 2020 13:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.6	81.9	122.9	
192	23.2	18.6	27.8	

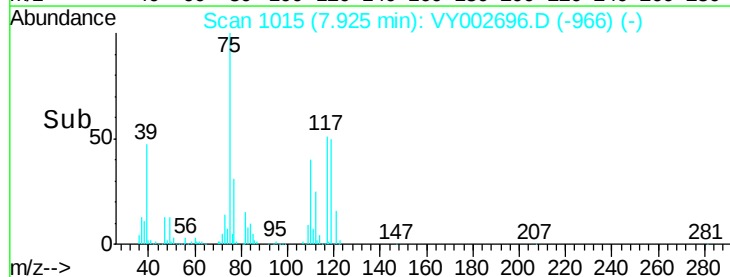
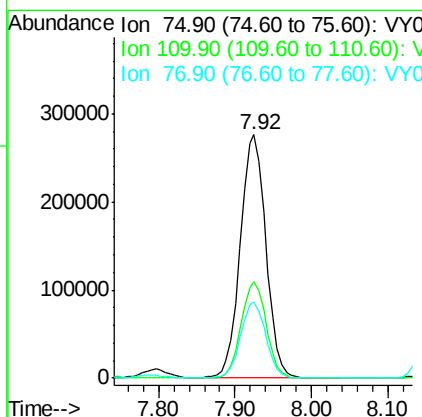
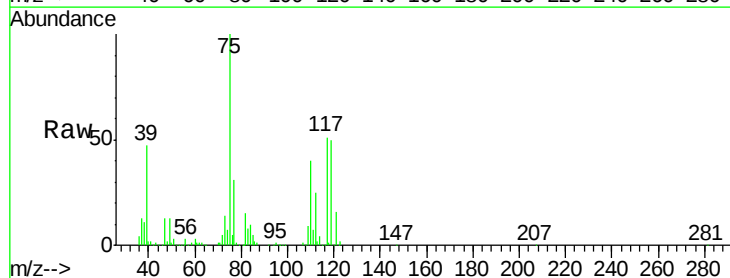
Manual Integrations
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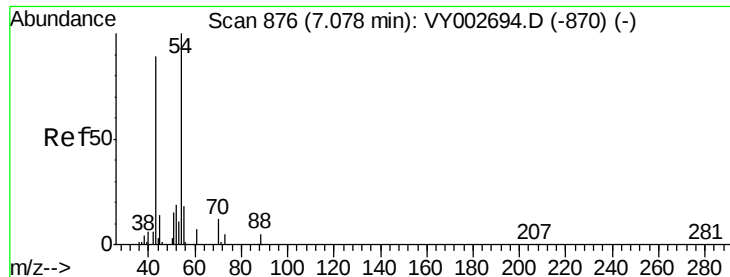
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 5/18/2020 1:36:09 PM



#36
 1,1-Dichloropropene
 Concen: 140.688 ug/l
 RT: 7.92 min Scan# 1015
 Delta R.T. -0.00 min
 Lab File: VY002696.D
 Acq: 15 May 2020 13:16

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	38.8	19.4	58.4	
77	31.0	25.0	37.4	





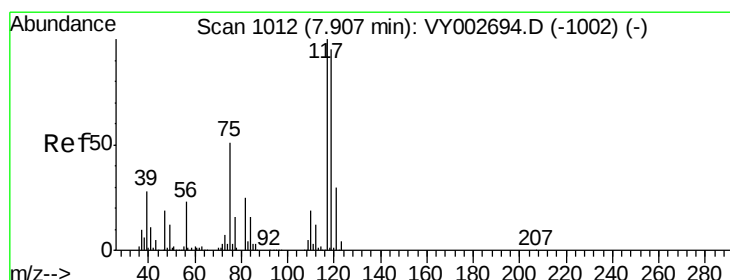
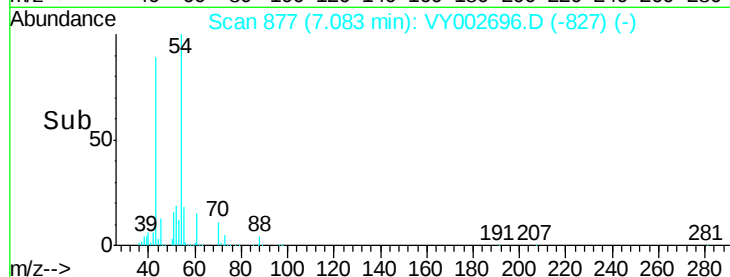
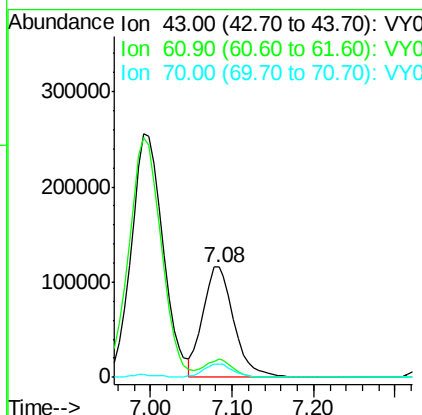
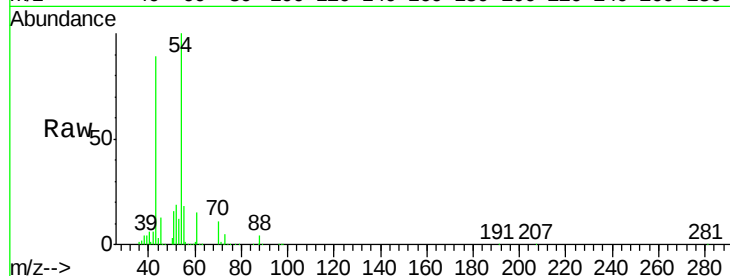
#37
Ethyl Acetate
Concen: 131.195 ug/l
RT: 7.08 min Scan# 877
Delta R.T. 0.01 min
Lab File: VY002696.D
Acq: 15 May 2020 13:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion	43	Resp	308166
Ion	Ratio	Lower	Upper
43	100		
61	14.8	11.8	17.8
70	11.8	9.2	13.8

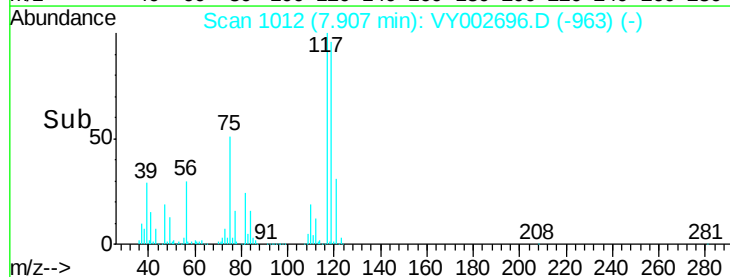
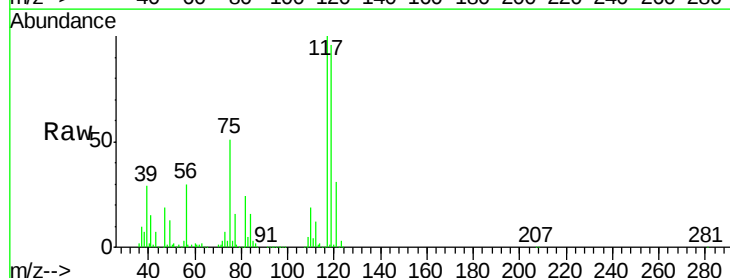
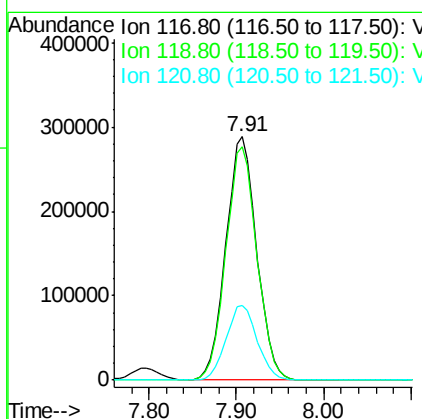
Manual Integrations
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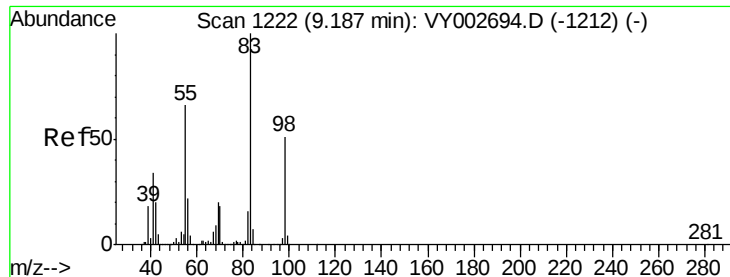
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#38
Carbon Tetrachloride
Concen: 141.891 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VY002696.D
Acq: 15 May 2020 13:16

Tgt Ion	117	Resp	706758
Ion	Ratio	Lower	Upper
117	100		
119	95.8	76.3	114.5
121	30.8	24.2	36.2





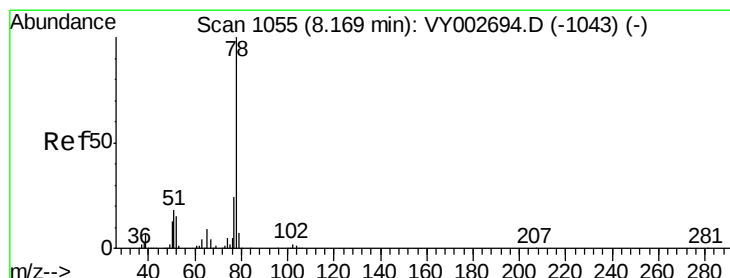
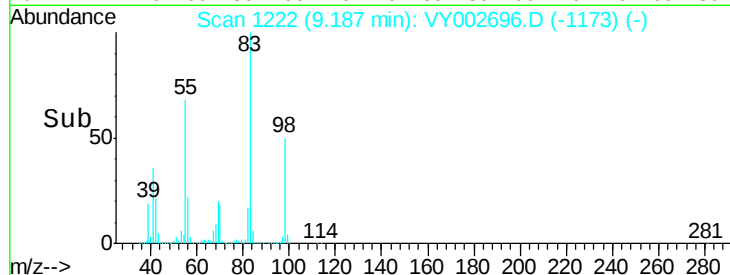
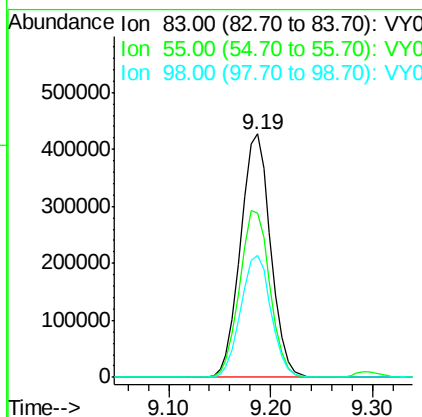
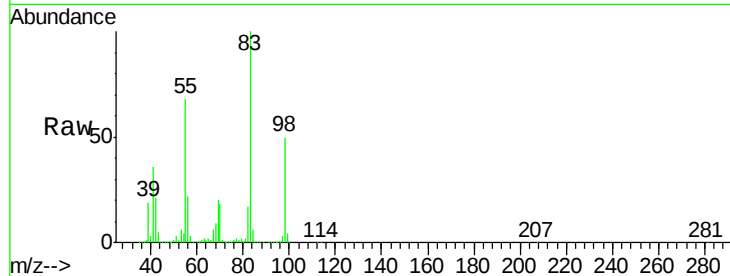
#39
Methvlcvclohexane
Concen: 144.396 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.00 min
Lab File: VY002696.D
Acq: 15 May 2020 13:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
83	100		
55	67.7	53.0	79.6
98	50.3	40.8	61.2

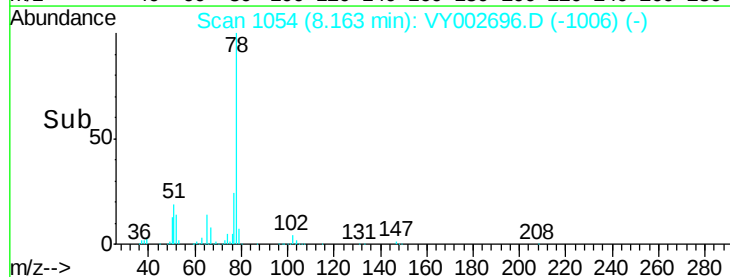
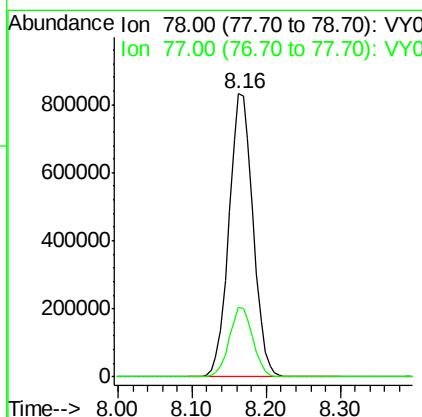
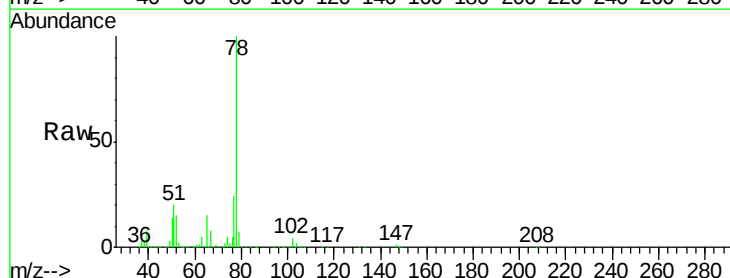
Manual Integrations
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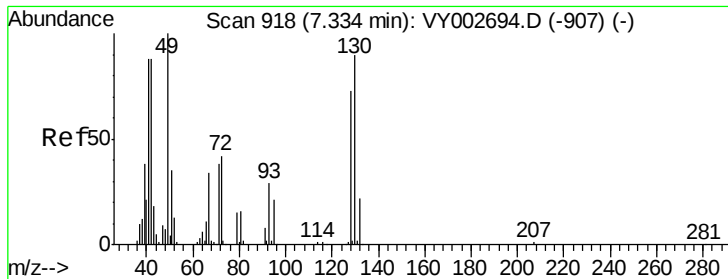
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#40
Benzene
Concen: 141.612 ug/l
RT: 8.16 min Scan# 1054
Delta R.T. -0.01 min
Lab File: VY002696.D
Acq: 15 May 2020 13:16

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.2	28.8





#41

Methacrylonitrile

Concen: 153.941 ug/l m

RT: 7.33 min Scan# 918

Delta R.T. -0.00 min

Lab File: VY002696.D

Acq: 15 May 2020 13:16

Instrument :

MSVOA_Y

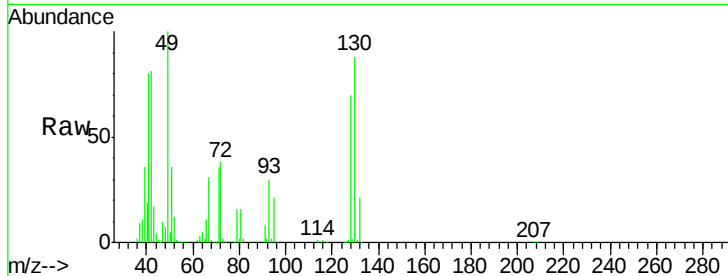
ClientSampleId :

VSTDIC150

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

Manual Integrations
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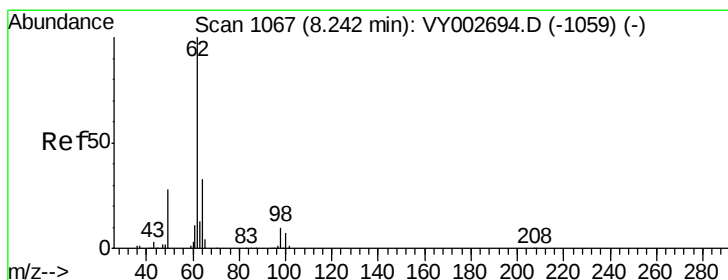
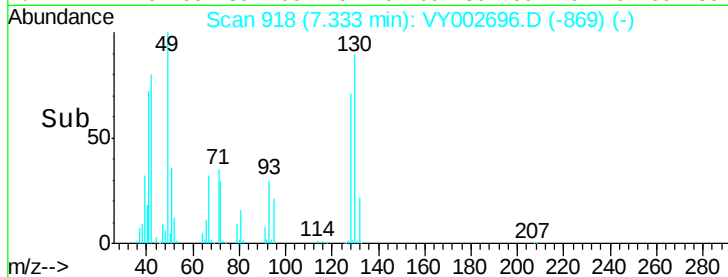
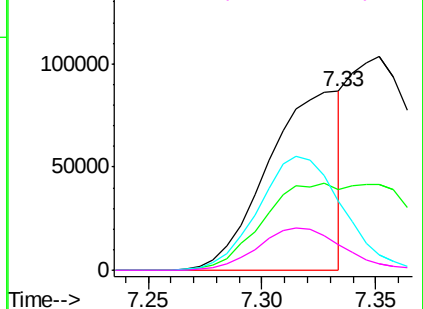


Abundance Ion 41.00 (40.70 to 41.70): VY002696.D (-869) (-)

Ion 39.00 (38.70 to 39.70): VY002696.D (-869) (-)

Ion 67.00 (66.70 to 67.70): VY002696.D (-869) (-)

Ion 52.00 (51.70 to 52.70): VY002696.D (-869) (-)



#42

1,2-Dichloroethane

Concen: 136.082 ug/l

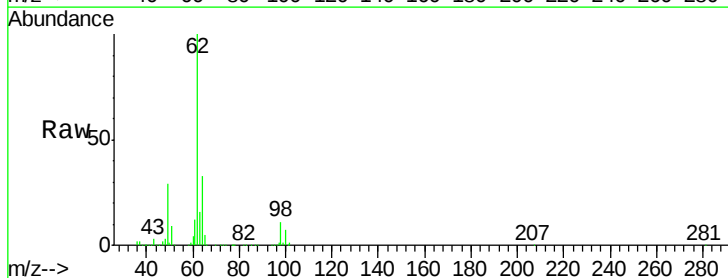
RT: 8.24 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VY002696.D

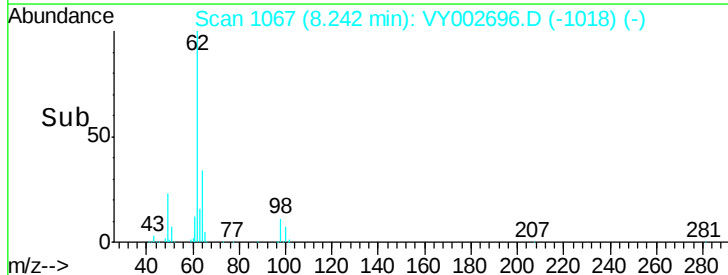
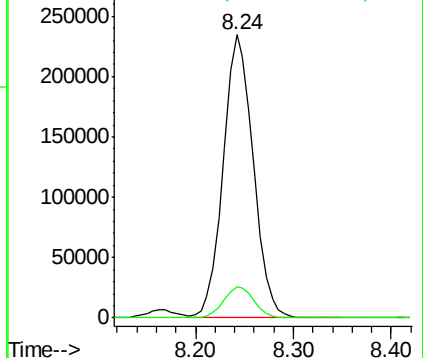
Acq: 15 May 2020 13:16

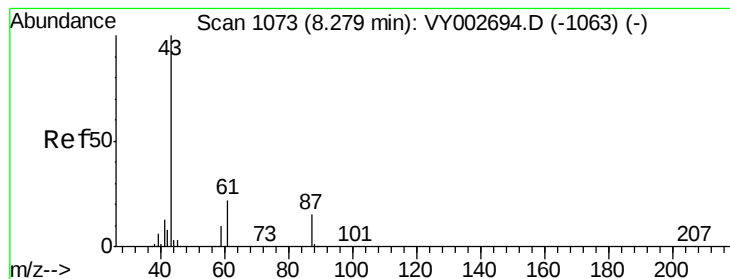
Tgt Ion	Ratio	Lower	Upper
62	100		
98	11.1	0.0	21.8



Abundance Ion 61.90 (61.60 to 62.60): VY002696.D (-1018) (-)

Ion 97.90 (97.60 to 98.60): VY002696.D (-1018) (-)





#43

Isopropyl Acetate

Concen: 138.768 ug/l

RT: 8.28 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VY002696.D

Acq: 15 May 2020 13:16

Instrument :

MSVOA_Y

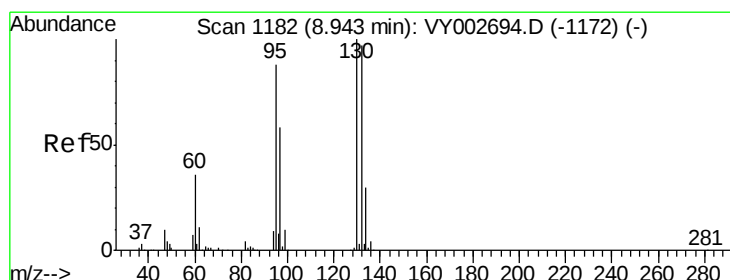
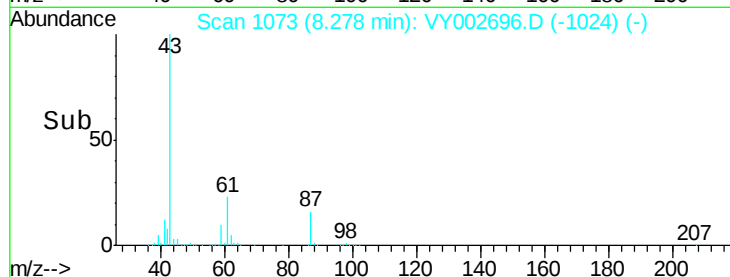
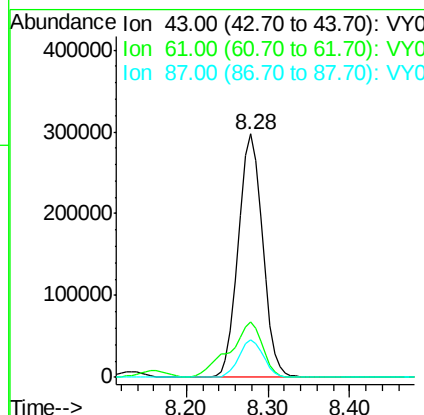
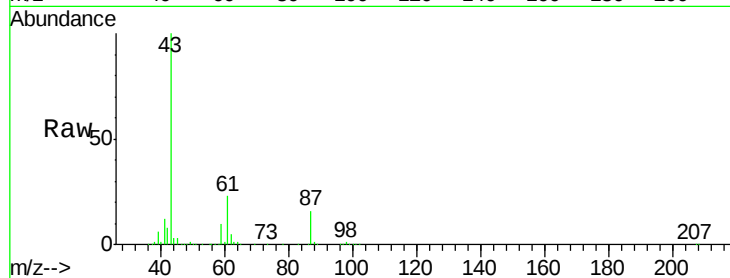
ClientSampleId :

VSTDIC150

Tot Ion:	43	Resp:	609552
Ion	Ratio	Lower	Upper
43	100		
61	31.1	24.9	37.3
87	15.6	12.6	19.0

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#44

Trichloroethene

Concen: 141.698 ug/l

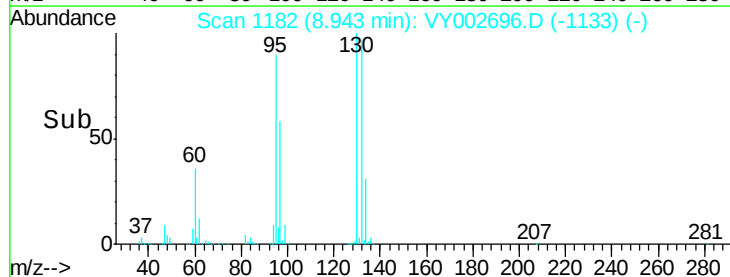
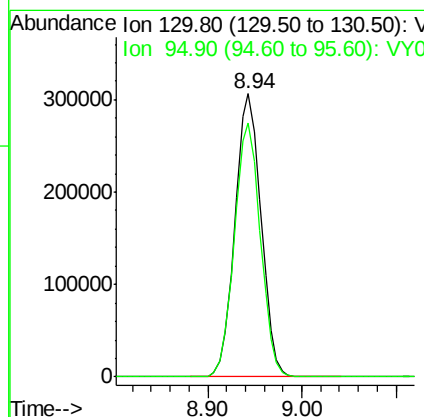
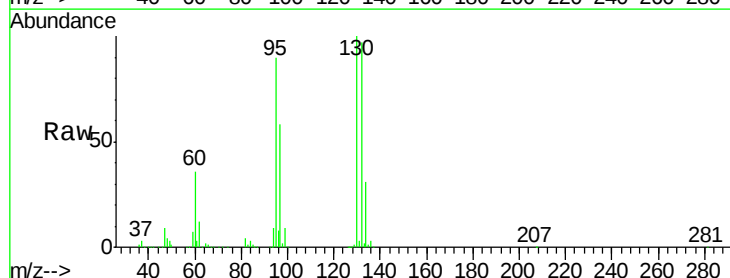
RT: 8.94 min Scan# 1182

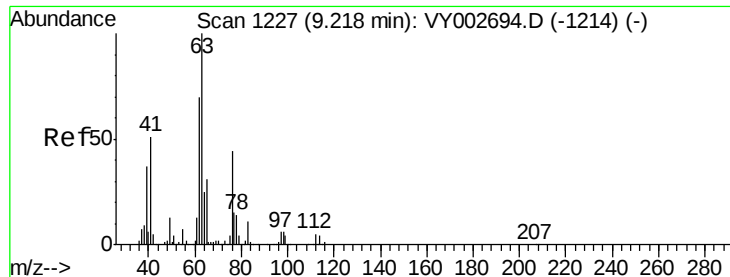
Delta R.T. -0.00 min

Lab File: VY002696.D

Acq: 15 May 2020 13:16

Tgt Ion:	130	Resp:	589289
Ion	Ratio	Lower	Upper
130	100		
95	89.7	0.0	176.4





#45

1,2-Dichloropropane

Concen: 140.861 ug/l

RT: 9.22 min Scan# 1227

Delta R.T. -0.00 min

Lab File: VY002696.D

Acq: 15 May 2020 13:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tot Ion: 63 Resp: 448105

Ion Ratio Lower Upper

63 100

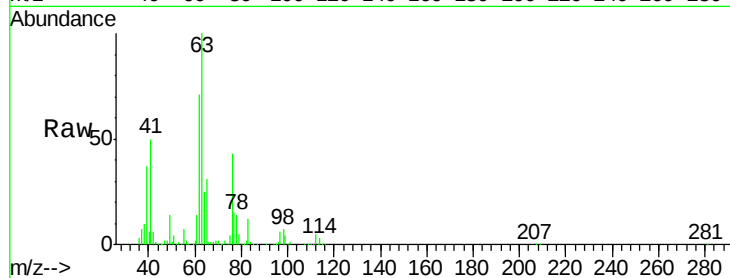
65 30.9 24.7 37.1

Manual Integrations

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Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 64.90 (64.60 to 65.60): VY0

9.22

250000

200000

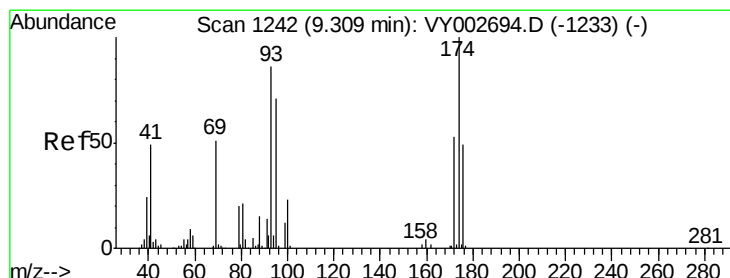
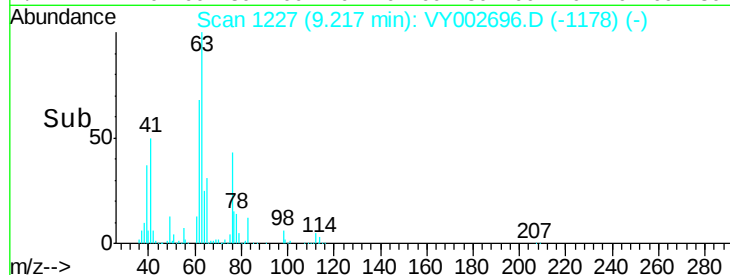
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 138.531 ug/l

RT: 9.31 min Scan# 1242

Delta R.T. -0.00 min

Lab File: VY002696.D

Acq: 15 May 2020 13:16

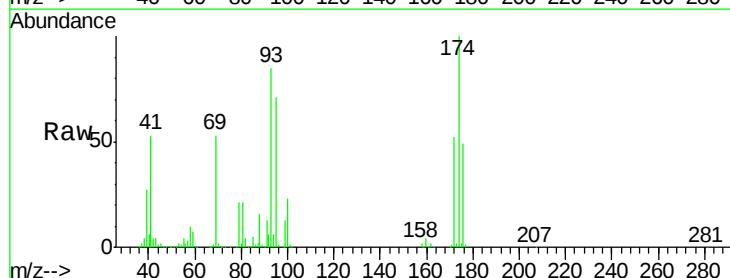
Tgt Ion: 93 Resp: 253636

Ion Ratio Lower Upper

93 100

95 82.8 66.5 99.7

174 118.5 95.6 143.4



Abundance Ion 92.80 (92.50 to 93.50): VY0

Ion 94.80 (94.50 to 95.50): VY0

Ion 173.70 (173.40 to 174.40): V

200000

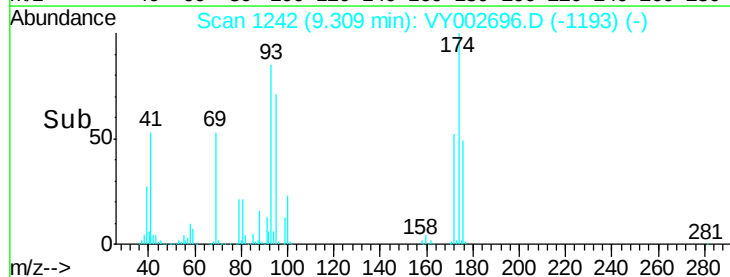
150000

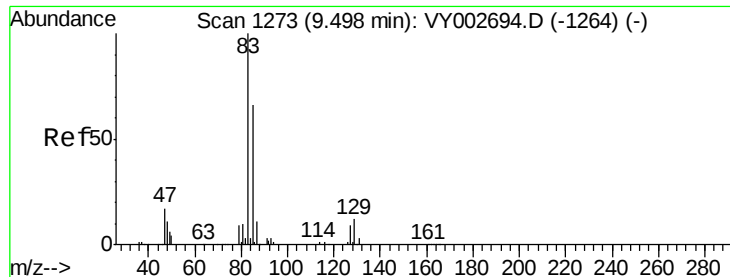
100000

50000

0

Time-->





#47

Bromodichloromethane

Concen: 140.534 ug/l

RT: 9.50 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VY002696.D

Acq: 15 May 2020 13:16

Instrument :

MSVOA_Y

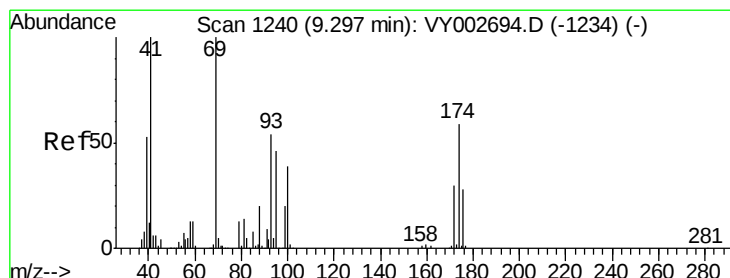
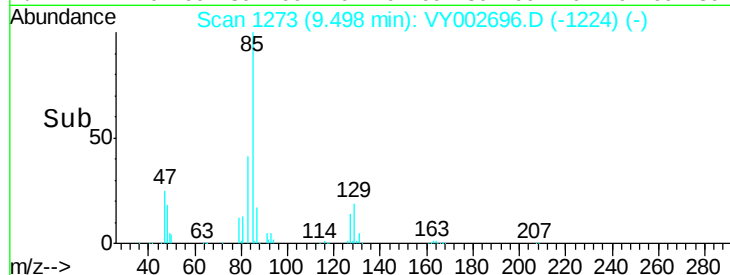
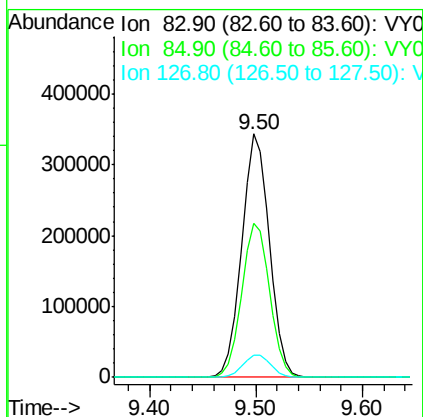
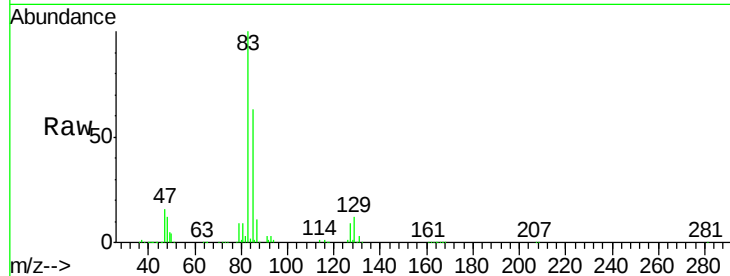
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	626234
Ion	Ratio	Lower	Upper
83	100		
85	63.4	52.4	78.6
127	9.1	7.6	11.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 141.048 ug/l

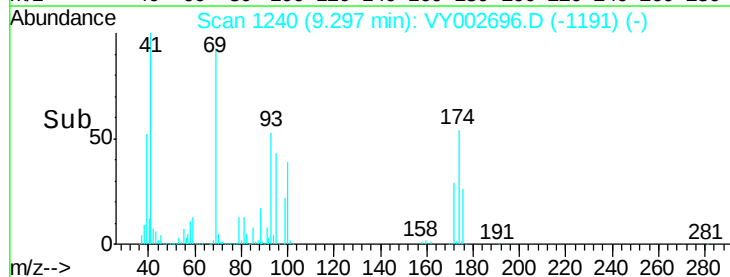
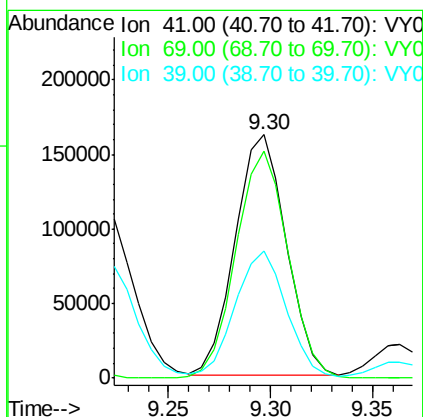
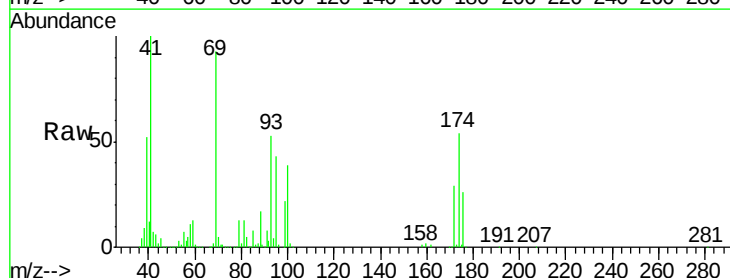
RT: 9.30 min Scan# 1240

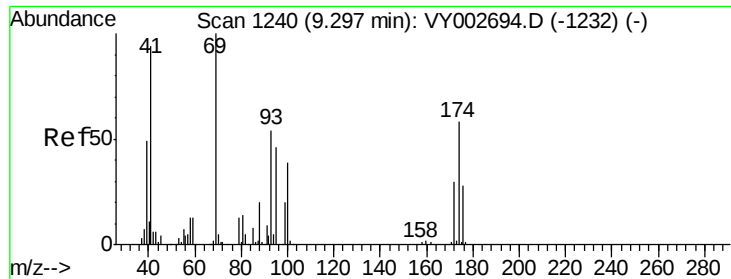
Delta R.T. -0.00 min

Lab File: VY002696.D

Acq: 15 May 2020 13:16

Tgt Ion:	41	Resp:	280022
Ion	Ratio	Lower	Upper
41	100		
69	96.3	78.7	118.1
39	51.4	42.9	64.3





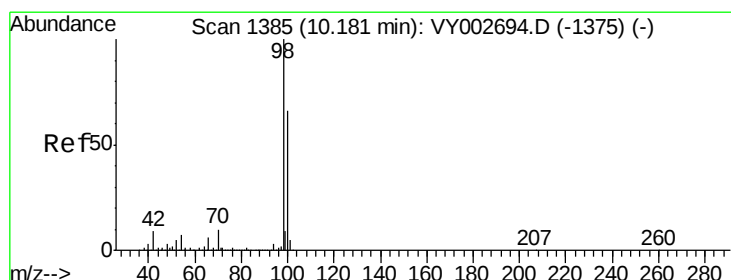
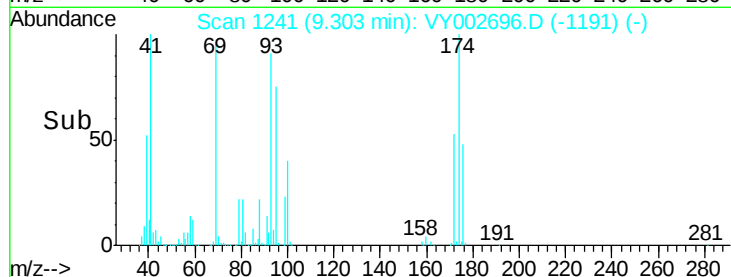
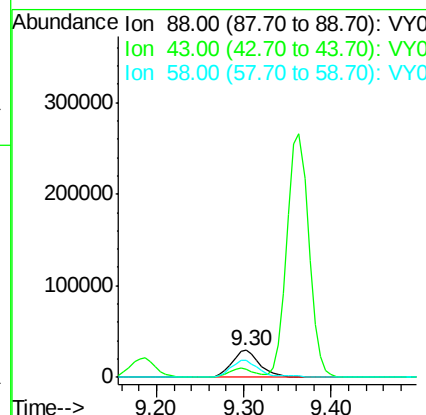
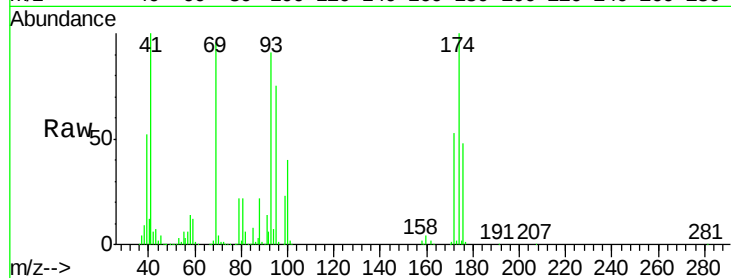
#49
1,4-Dioxane
Concen: 2757.053 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. 0.01 min
Lab File: VY002696.D
Acq: 15 May 2020 13:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion	88	Resp	66692
Ion Ratio	100	Lower	Upper
88	100		
43	28.2	23.4	35.0
58	65.7	54.5	81.7

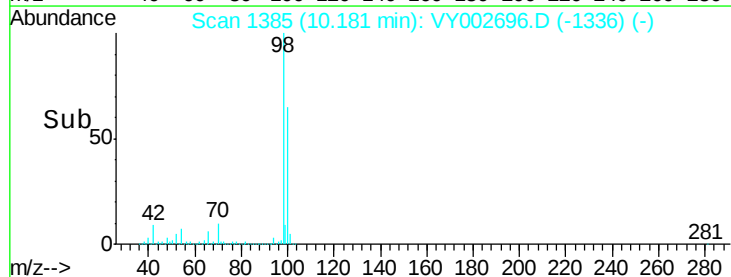
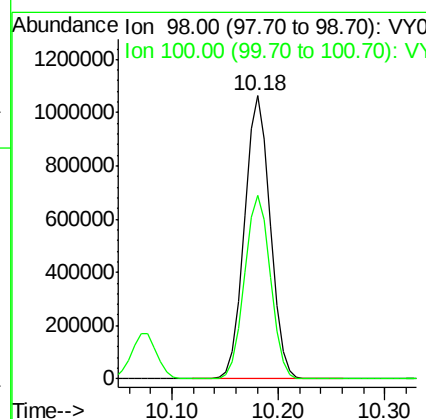
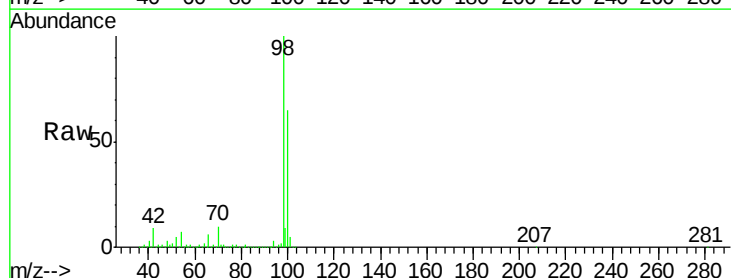
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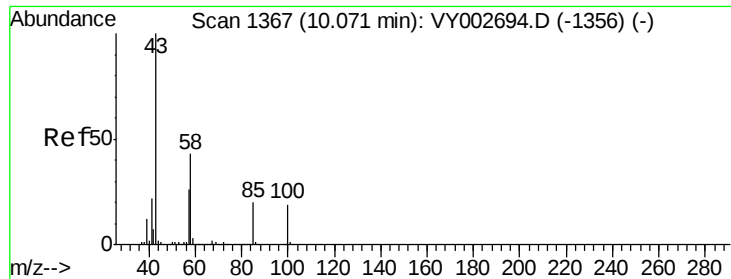
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#50
Toluene-d8
Concen: 147.212 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VY002696.D
Acq: 15 May 2020 13:16

Tgt Ion	98	Resp	1804667
Ion Ratio	100	Lower	Upper
98	100		
100	65.3	52.3	78.5





#51

4-Methyl-2-Pentanone

Concen: 678.634 ug/l

RT: 10.07 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VY002696.D

Acq: 15 May 2020 13:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 1531011

Ion Ratio Lower Upper

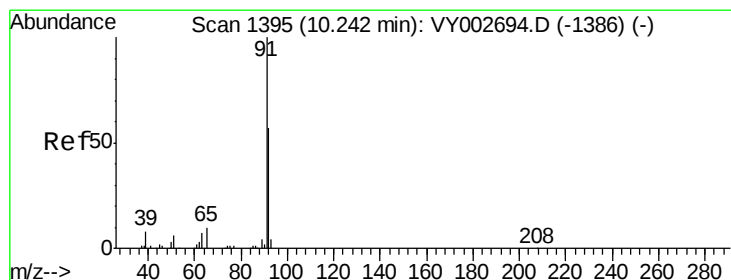
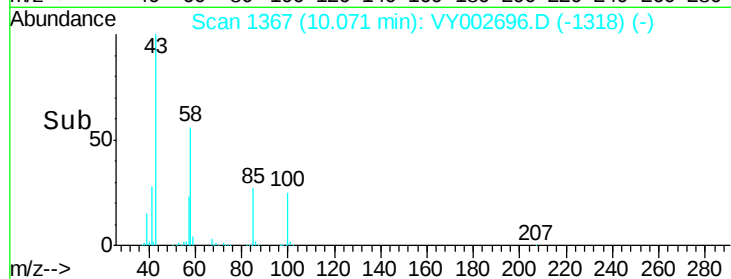
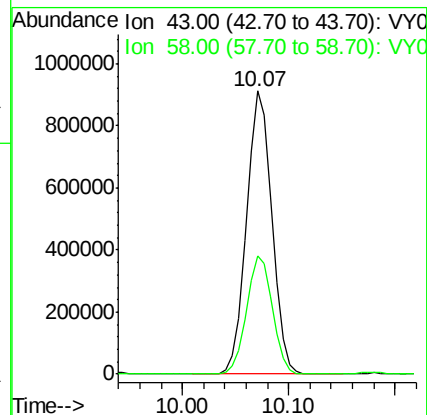
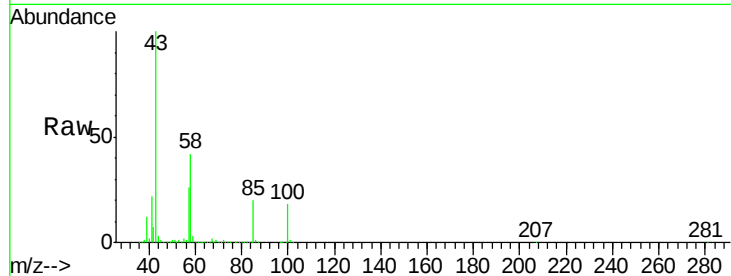
43 100

58 42.2 34.1 51.1

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5/18/2020 1:36:09 PM



#52

Toluene

Concen: 142.549 ug/l

RT: 10.24 min Scan# 1395

Delta R.T. -0.00 min

Lab File: VY002696.D

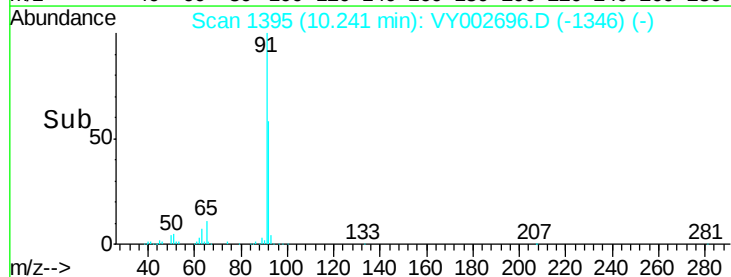
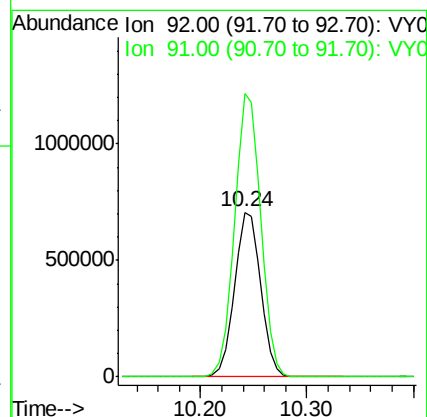
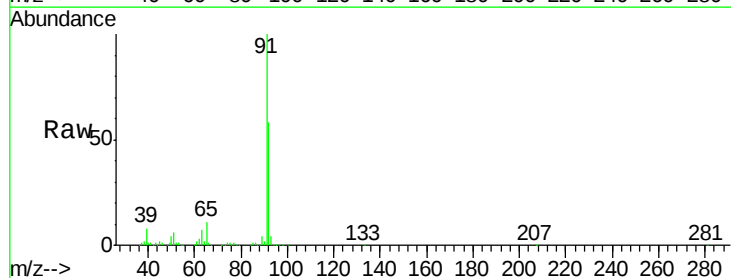
Acq: 15 May 2020 13:16

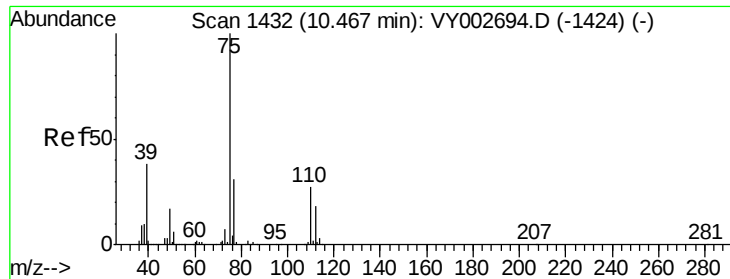
Tgt Ion: 92 Resp: 1213514

Ion Ratio Lower Upper

92 100

91 172.5 138.8 208.2





#53

t-1,3-Dichloropropene

Concen: 144.038 ug/l

RT: 10.47 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VY002696.D

Acq: 15 May 2020 13:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tot Ion: 75 Resp: 672093

Ion Ratio Lower Upper

75 100

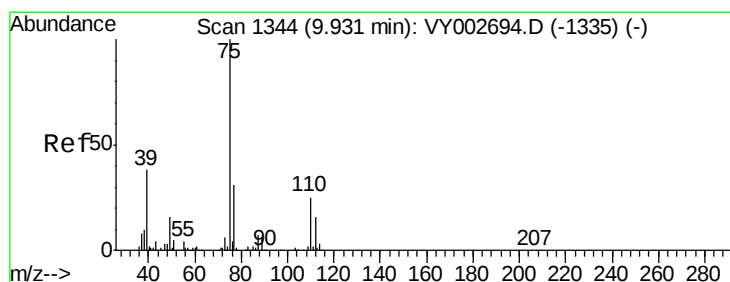
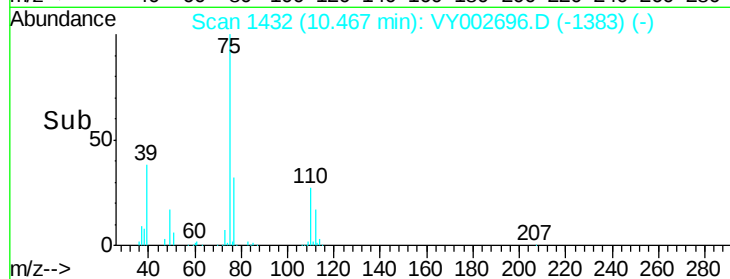
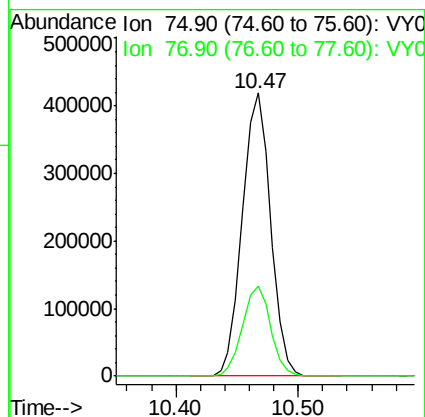
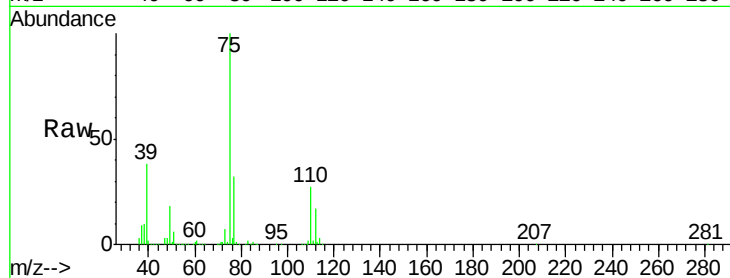
77 31.9 25.1 37.7

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#54

cis-1,3-Dichloropropene

Concen: 141.486 ug/l

RT: 9.93 min Scan# 1344

Delta R.T. -0.00 min

Lab File: VY002696.D

Acq: 15 May 2020 13:16

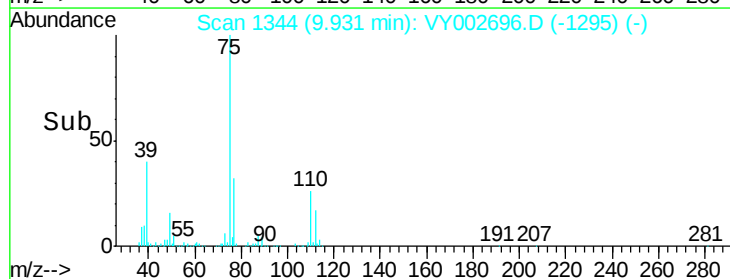
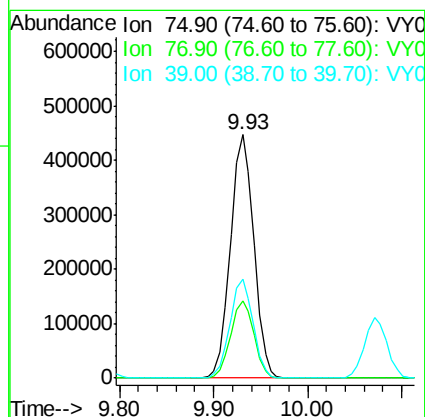
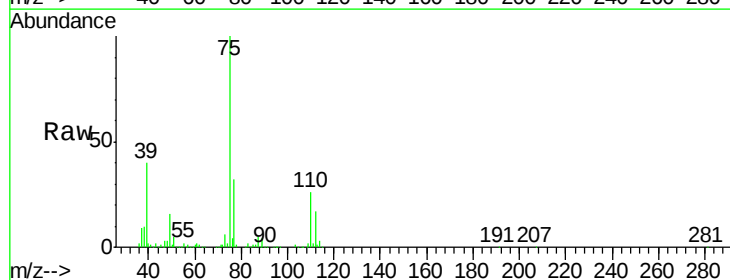
Tgt Ion: 75 Resp: 765605

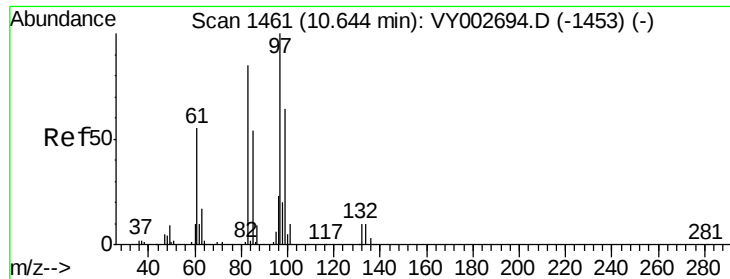
Ion Ratio Lower Upper

75 100

77 31.8 24.8 37.2

39 40.4 30.7 46.1





#55

1,1,2-Trichloroethane

Concen: 139.762 ug/l

RT: 10.64 min Scan# 1461

Delta R.T. -0.00 min

Lab File: VY002696.D

Acq: 15 May 2020 13:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tot Ion: 97 Resp: 373278

Ion Ratio Lower Upper

97 100

83 81.3 68.1 102.1

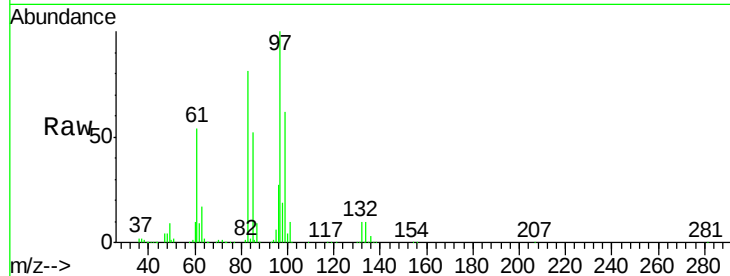
85 52.3 43.1 64.7

99 62.1 51.0 76.4

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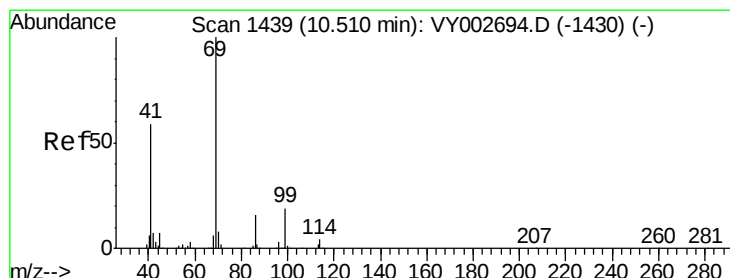
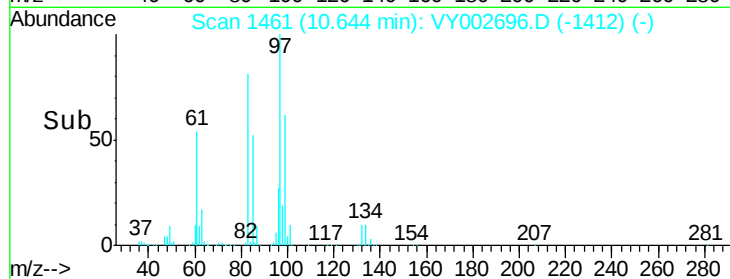
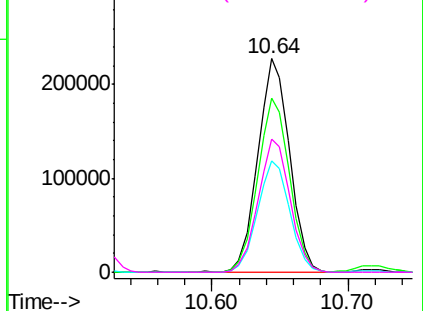


Abundance Ion 96.90 (96.60 to 97.60): VY0

Ion 82.90 (82.60 to 83.60): VY0

Ion 84.90 (84.60 to 85.60): VY0

Ion 98.90 (98.60 to 99.60): VY0



#56

Ethyl methacrylate

Concen: 145.106 ug/l

RT: 10.51 min Scan# 1439

Delta R.T. -0.00 min

Lab File: VY002696.D

Acq: 15 May 2020 13:16

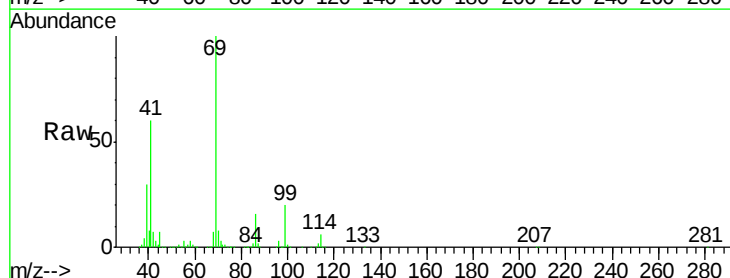
Tgt Ion: 69 Resp: 516437

Ion Ratio Lower Upper

69 100

41 59.2 48.0 72.0

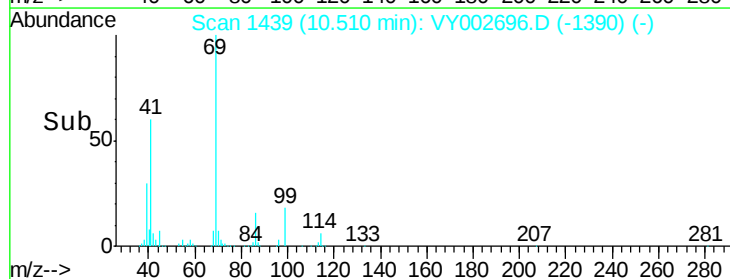
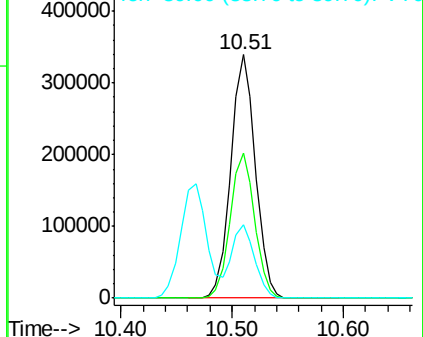
39 27.8 22.1 33.1

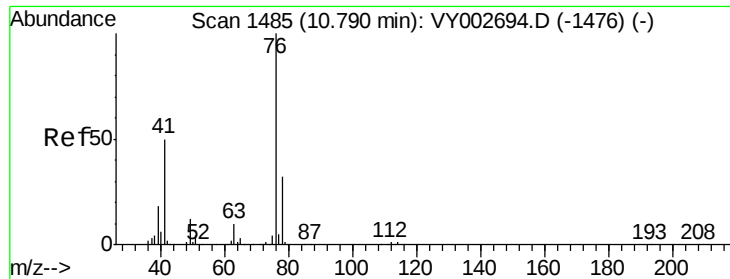


Abundance Ion 69.00 (68.70 to 69.70): VY0

Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0





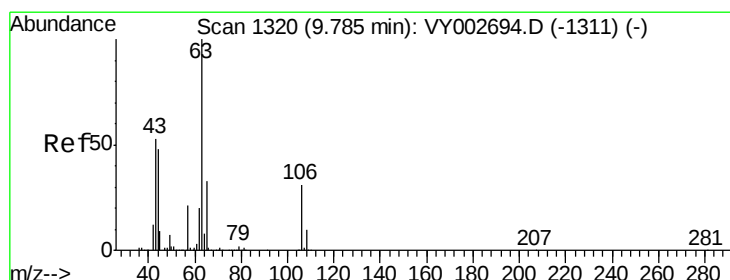
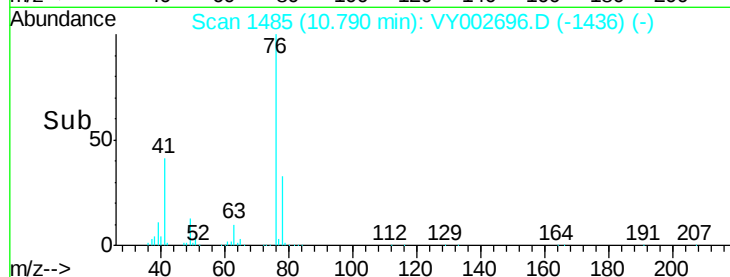
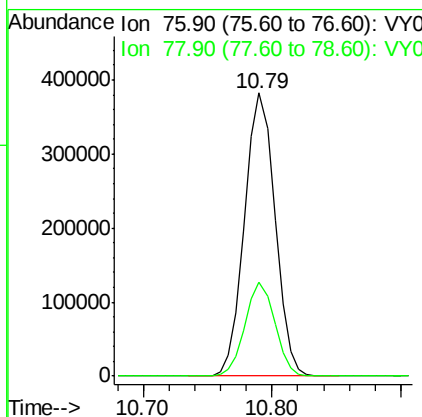
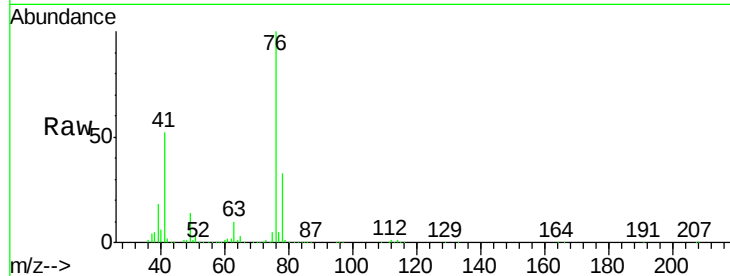
#57
 1,3-Dichloropropane
 Concen: 138.152 ug/l
 RT: 10.79 min Scan# 1485
 Delta R.T. -0.00 min
 Lab File: VY002696.D
 Acq: 15 May 2020 13:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC150

Tot Ion: 76 Resp: 625338
 Ion Ratio Lower Upper
 76 100
 78 32.5 26.2 39.4

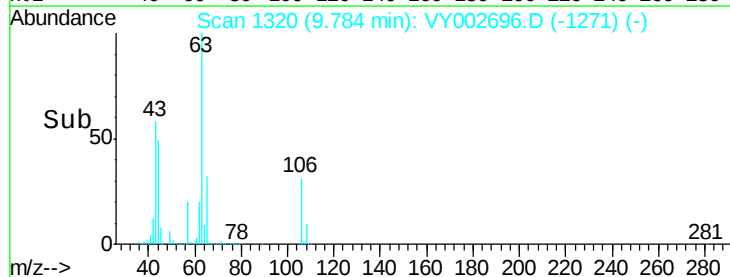
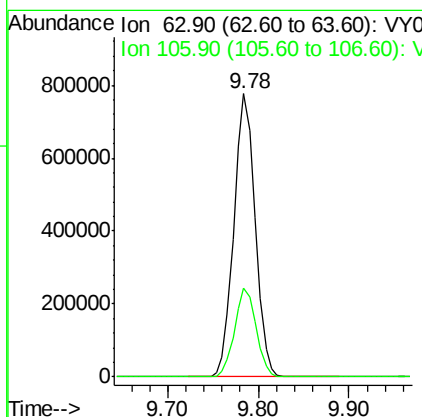
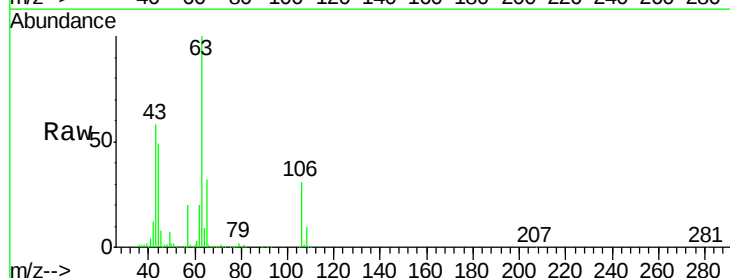
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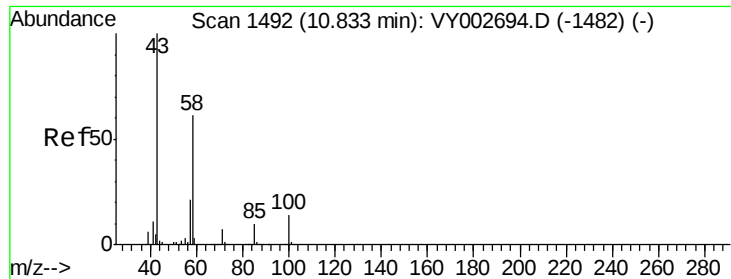
MMDadoda
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#58
 2-Chloroethyl Vinyl ether
 Concen: 671.626 ug/l
 RT: 9.78 min Scan# 1320
 Delta R.T. -0.00 min
 Lab File: VY002696.D
 Acq: 15 May 2020 13:16

Tgt Ion: 63 Resp: 1265055
 Ion Ratio Lower Upper
 63 100
 106 31.5 25.1 37.7





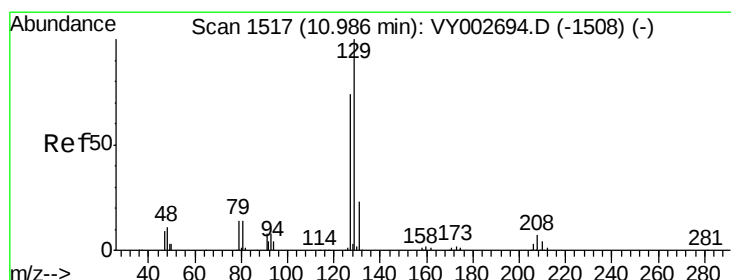
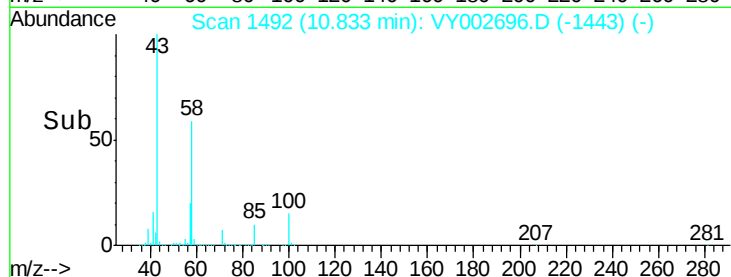
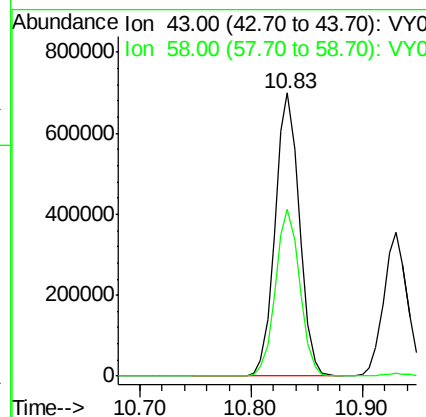
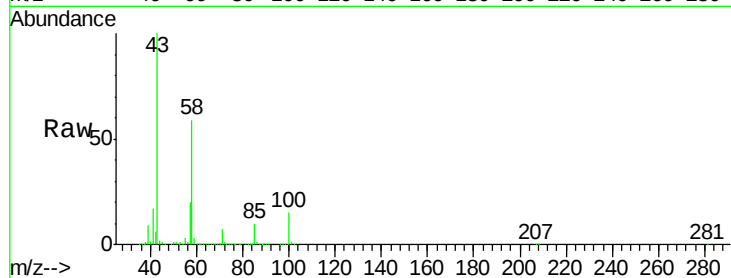
#59
2-Hexanone
Concen: 684.016 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VY002696.D
Acq: 15 May 2020 13:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 1062615
Ion Ratio Lower Upper
43 100
58 58.8 29.8 89.4

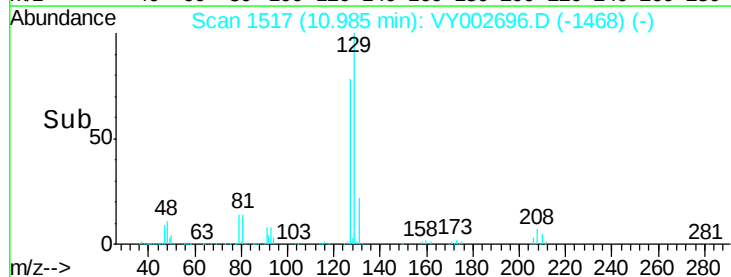
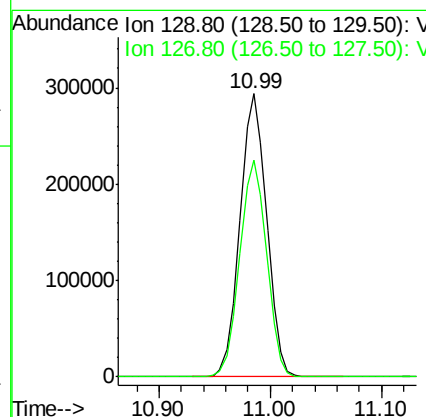
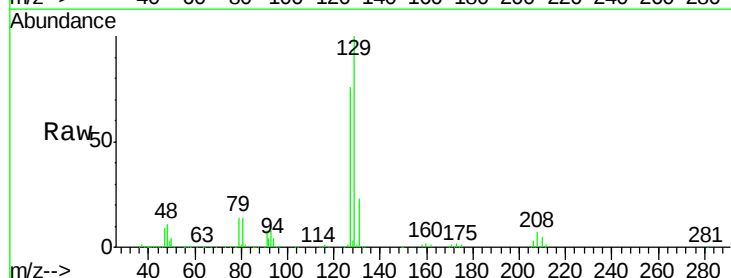
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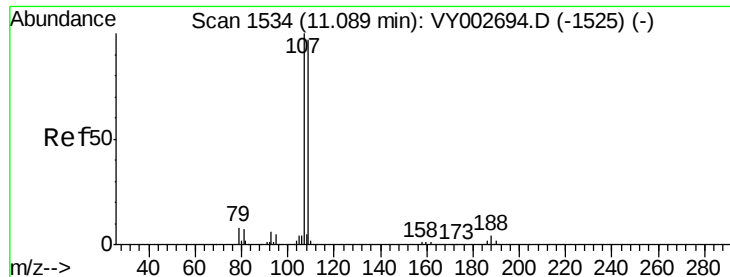
MMDadoda
5/18/2020 1:36:09 PM



#60
Dibromochloromethane
Concen: 142.506 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VY002696.D
Acq: 15 May 2020 13:16

Tgt Ion: 129 Resp: 486367
Ion Ratio Lower Upper
129 100
127 77.4 38.5 115.3





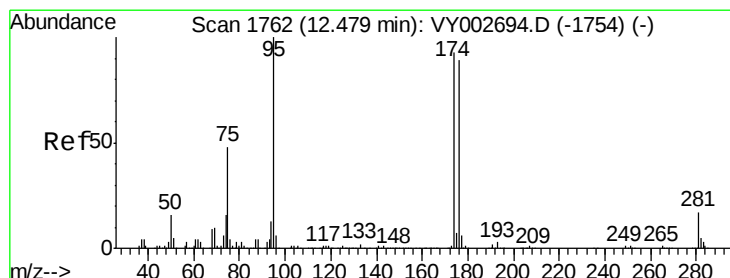
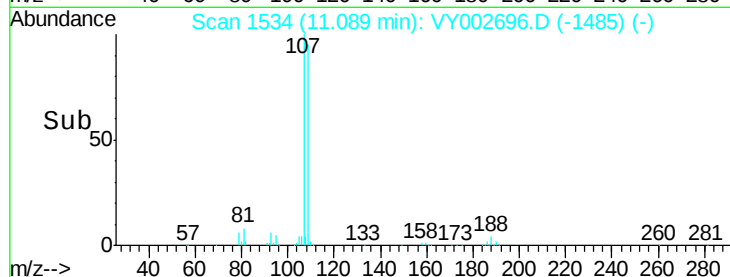
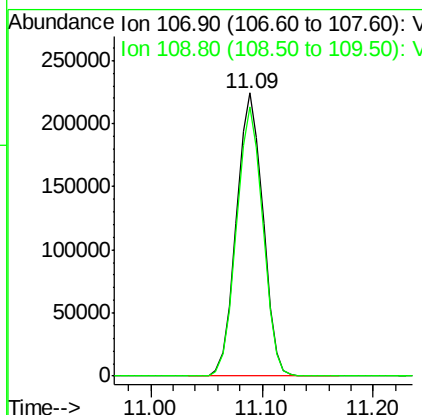
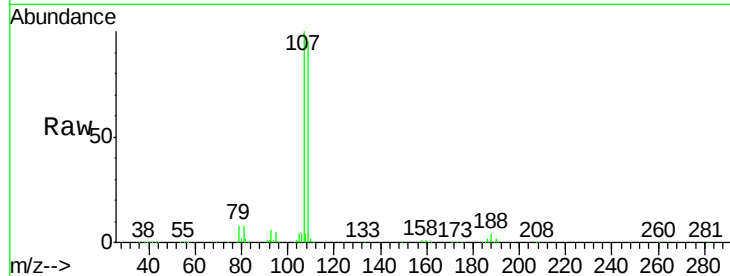
#61
 1,2-Dibromoethane
 Concen: 138.914 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VY002696.D
 Acq: 15 May 2020 13:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.7	76.1	114.1

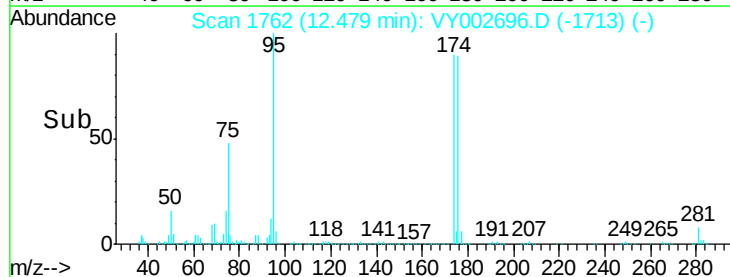
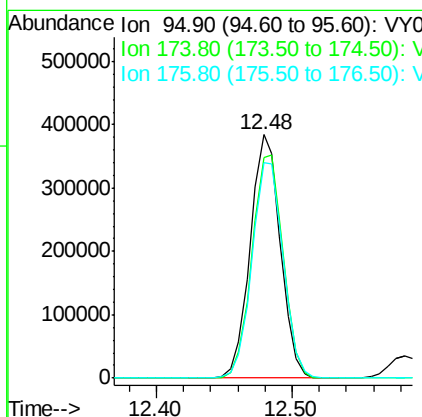
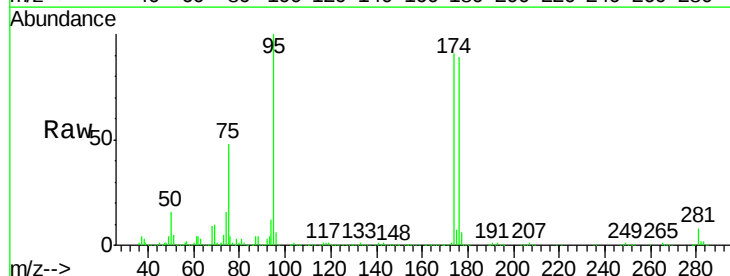
Manual Integrations
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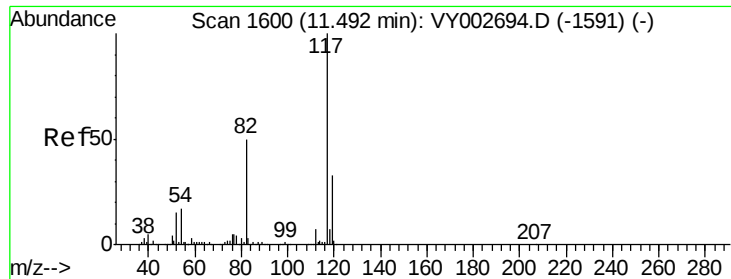
MMDadoda
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#62
 4-Bromofluorobenzene
 Concen: 143.343 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.00 min
 Lab File: VY002696.D
 Acq: 15 May 2020 13:16

Tgt Ion	Ratio	Lower	Upper
95	100		
174	94.8	0.0	191.4
176	91.7	0.0	186.0





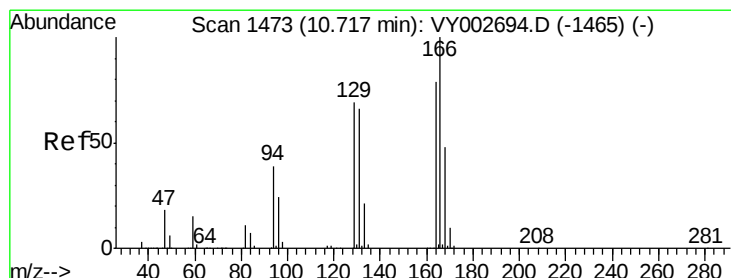
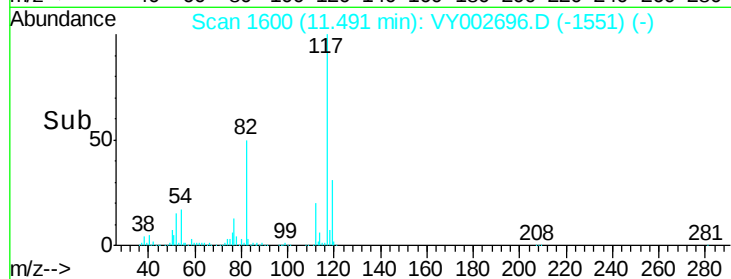
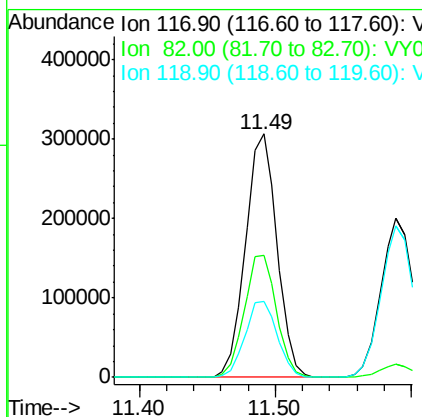
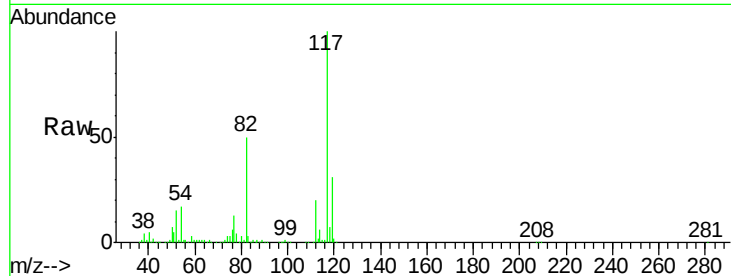
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY002696.D
Acq: 15 May 2020 13:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
117	100	496513		
82	49.9		40.3	60.5
119	31.4		26.2	39.4

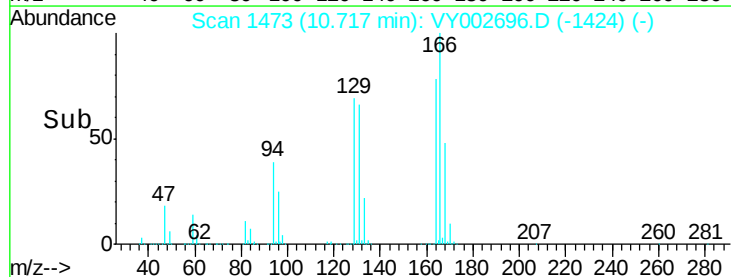
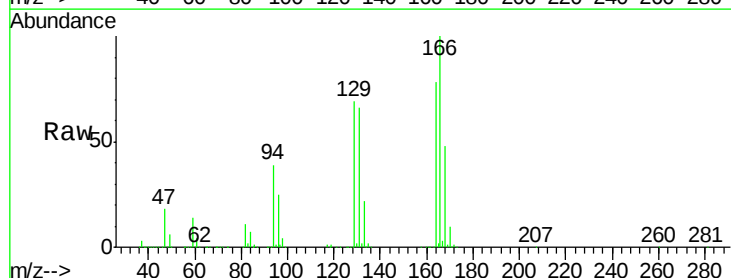
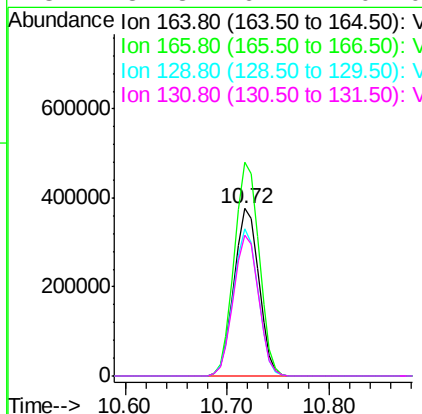
Manual Integrations
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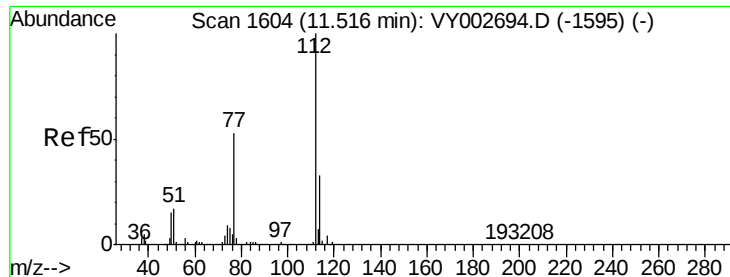
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#64
Tetrachloroethene
Concen: 142.077 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VY002696.D
Acq: 15 May 2020 13:16

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	630528		
166	127.7		101.6	152.4
129	88.1		70.2	105.4
131	84.3		67.4	101.0





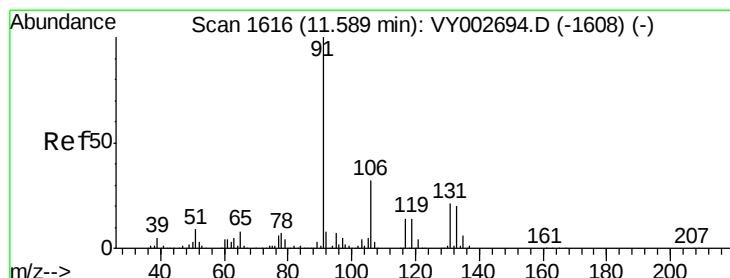
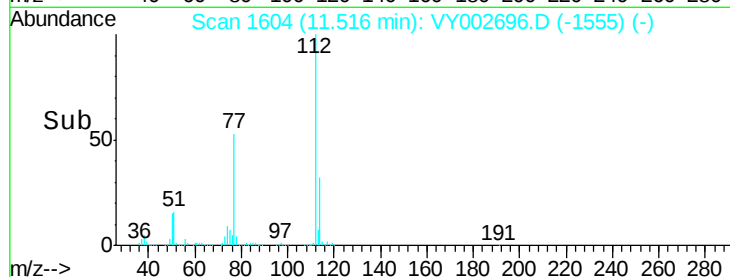
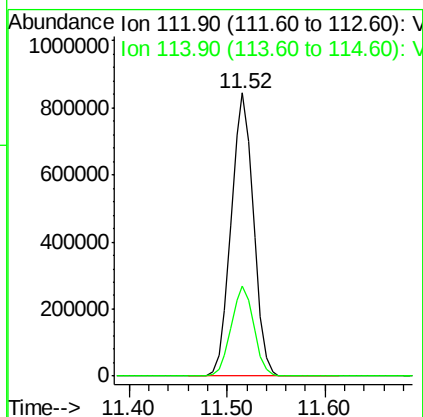
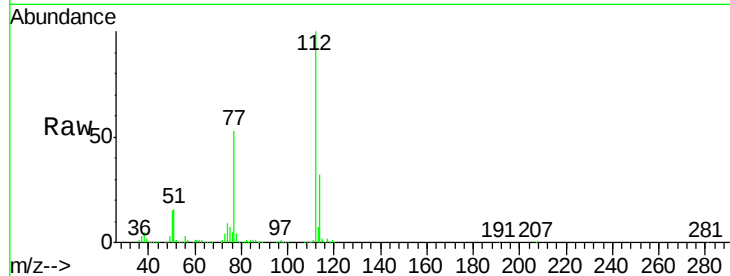
#65
Chlorobenzene
Concen: 141.603 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VY002696.D
Acq: 15 May 2020 13:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion:112 Resp: 1333818
Ion Ratio Lower Upper
112 100
114 32.0 26.1 39.1

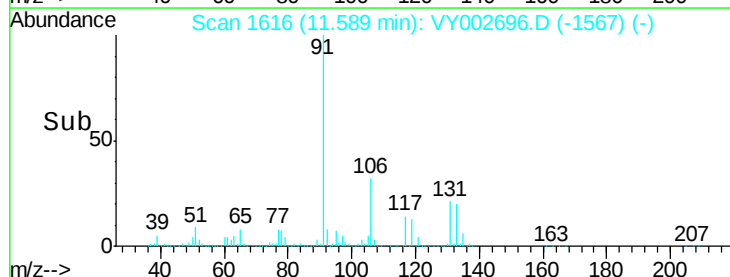
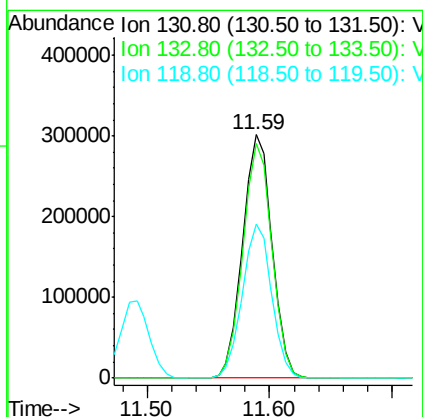
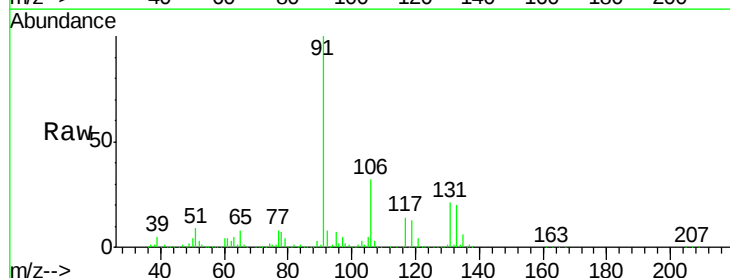
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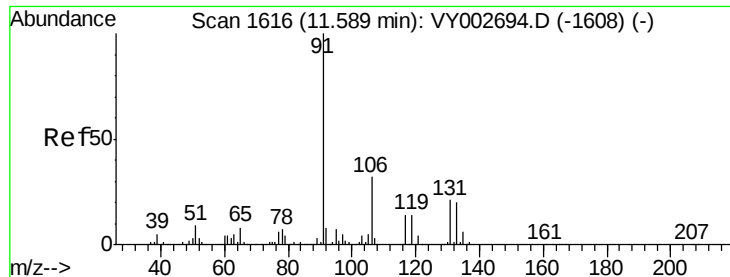
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#66
1,1,1,2-Tetrachloroethane
Concen: 144.101 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. -0.00 min
Lab File: VY002696.D
Acq: 15 May 2020 13:16

Tgt Ion:131 Resp: 503500
Ion Ratio Lower Upper
131 100
133 95.3 47.4 142.3
119 63.0 31.6 94.8





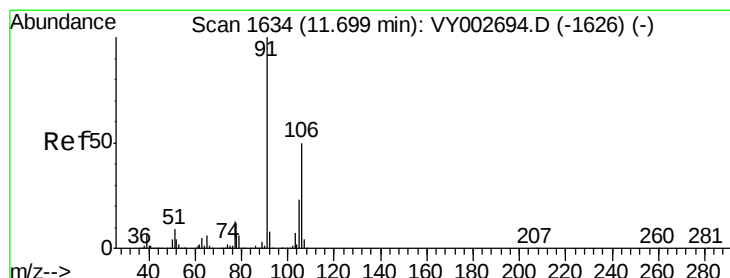
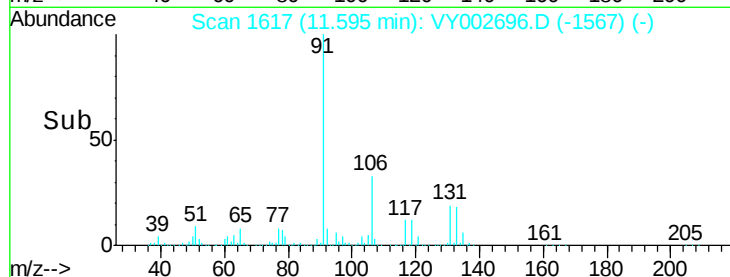
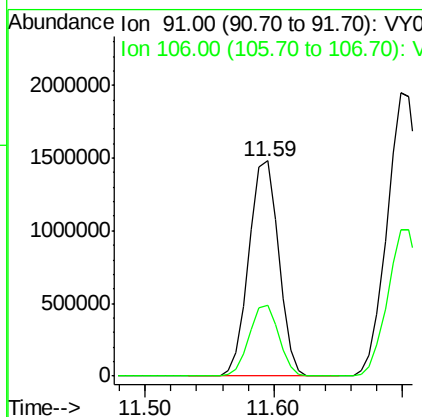
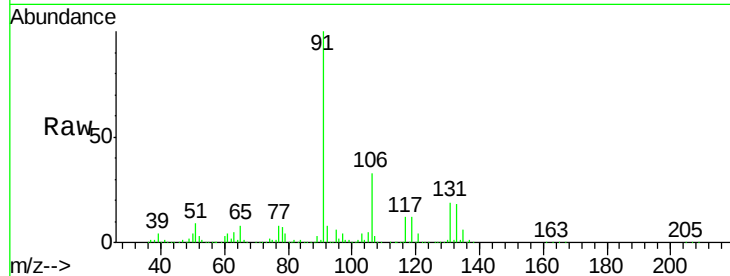
#67
Ethyl Benzene
Concen: 142.924 ug/l
RT: 11.59 min Scan# 1617
Delta R.T. 0.01 min
Lab File: VY002696.D
Acq: 15 May 2020 13:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 2359128
Ion Ratio Lower Upper
91 100
106 32.8 26.0 39.0

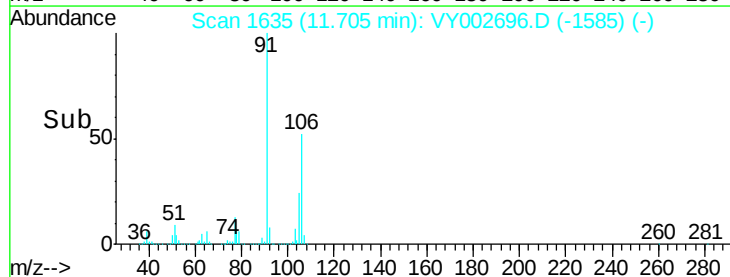
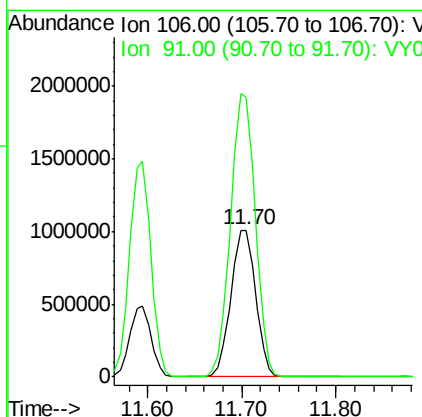
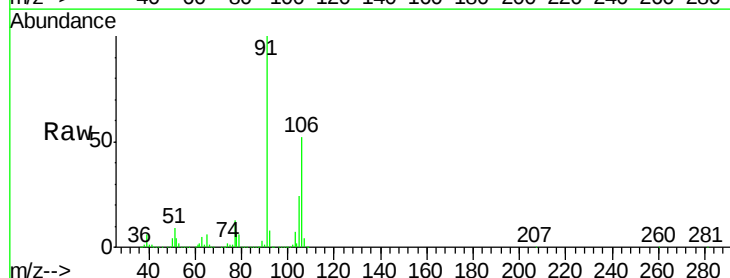
Manual Integrations
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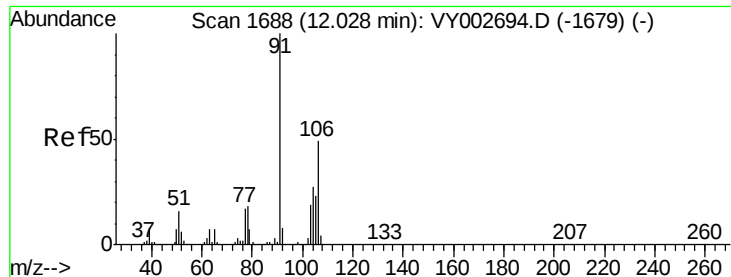
MMDadoda
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#68
m/p-Xylenes
Concen: 287.980 ug/l
RT: 11.70 min Scan# 1635
Delta R.T. 0.01 min
Lab File: VY002696.D
Acq: 15 May 2020 13:16

Tgt Ion: 106 Resp: 1842307
Ion Ratio Lower Upper
106 100
91 193.5 156.2 234.4





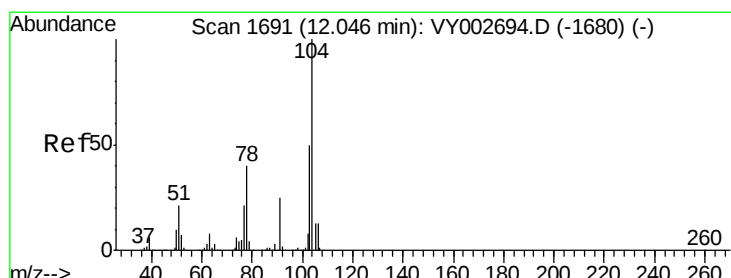
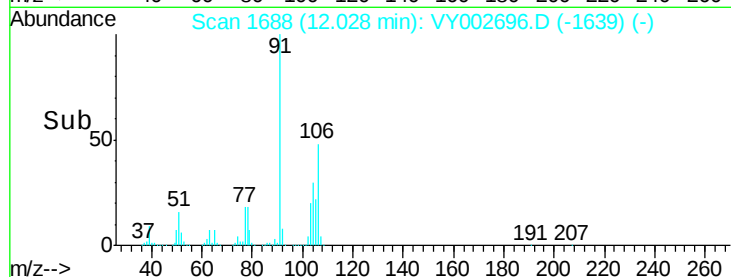
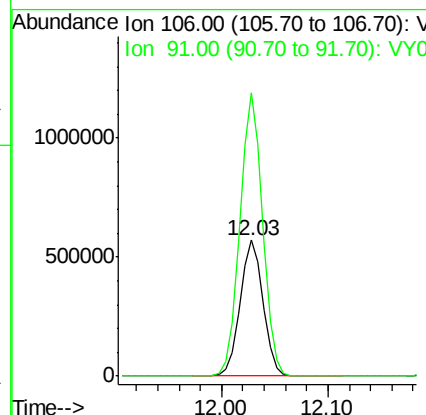
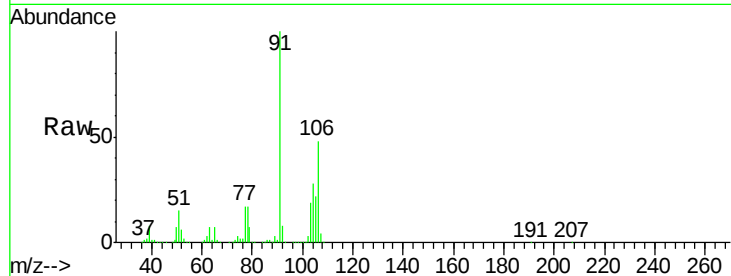
#69
o-Xylene
Concen: 143.611 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VY002696.D
Acq: 15 May 2020 13:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	205.6	103.5	310.3	

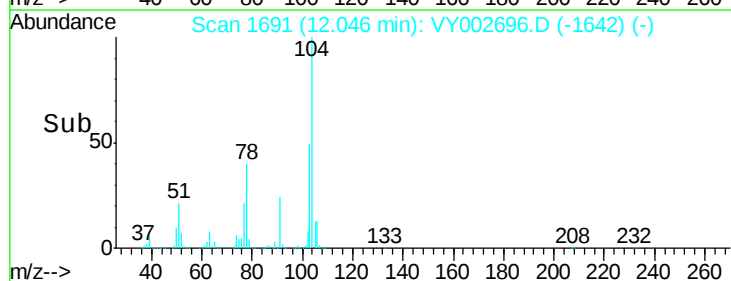
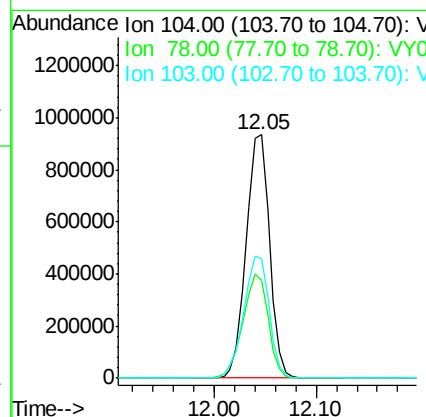
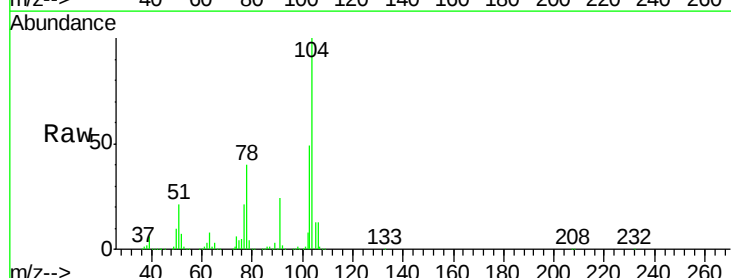
Manual Integrations
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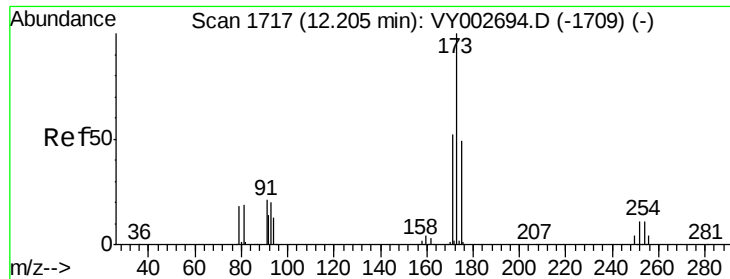
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#70
Styrene
Concen: 145.202 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VY002696.D
Acq: 15 May 2020 13:16

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	46.1	36.6	54.8	
103	54.4	44.1	66.1	





#71

Bromoform

Concen: 143.917 ug/l

RT: 12.20 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VY002696.D

Acq: 15 May 2020 13:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tot Ion:173 Resp: 311922

Ion Ratio Lower Upper

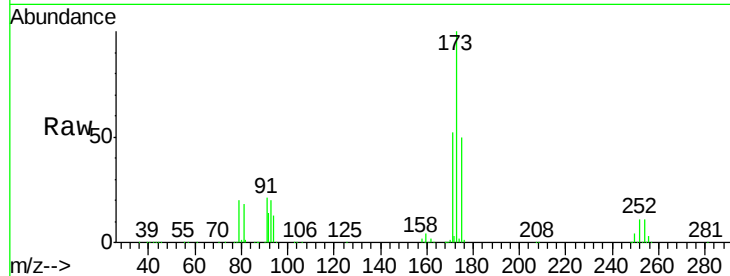
173 100

175 48.1 24.1 72.4

254 0.1 0.1 0.1#

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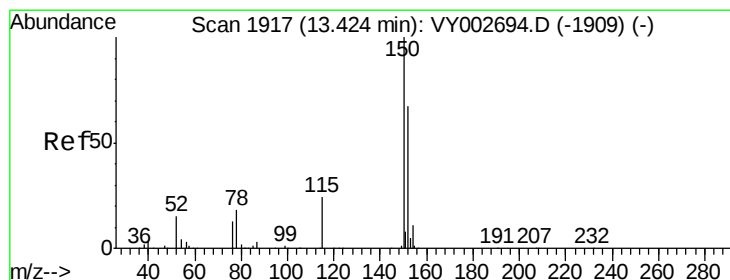
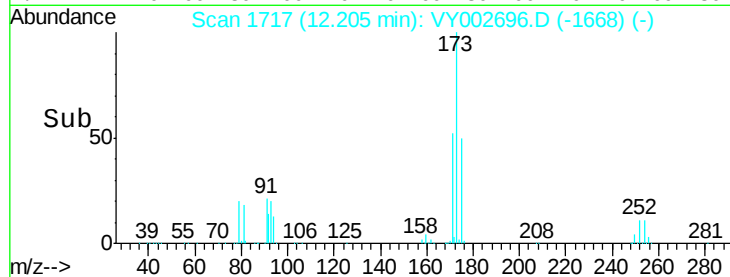
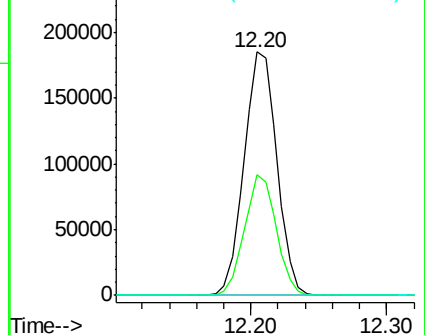
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. -0.00 min

Lab File: VY002696.D

Acq: 15 May 2020 13:16

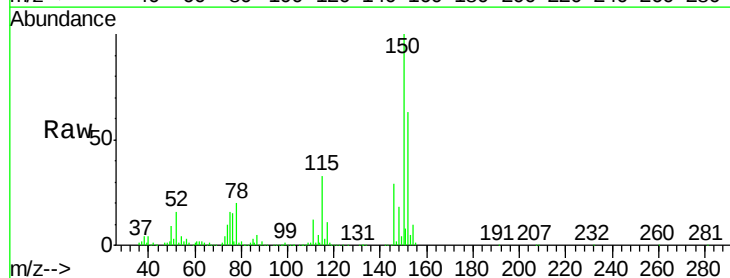
Tgt Ion:152 Resp: 247931

Ion Ratio Lower Upper

152 100

115 54.3 27.2 81.6

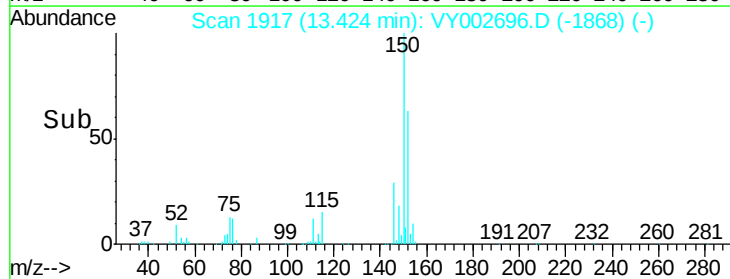
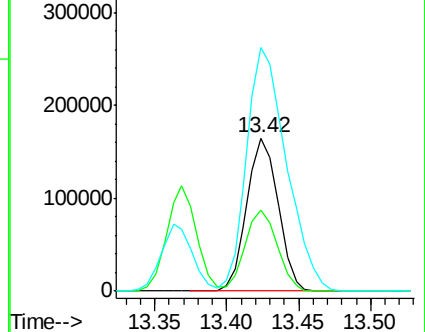
150 201.9 0.0 343.8

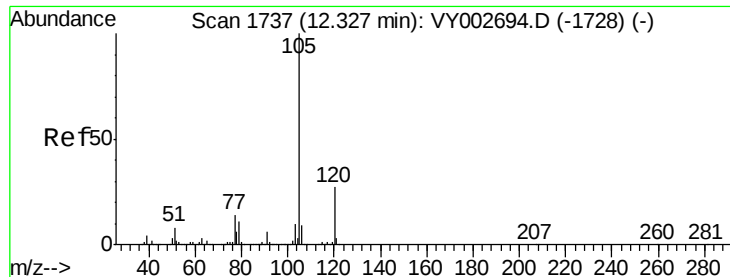


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 145.245 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VY002696.D

Acq: 15 May 2020 13:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 2320998

Ion Ratio Lower Upper

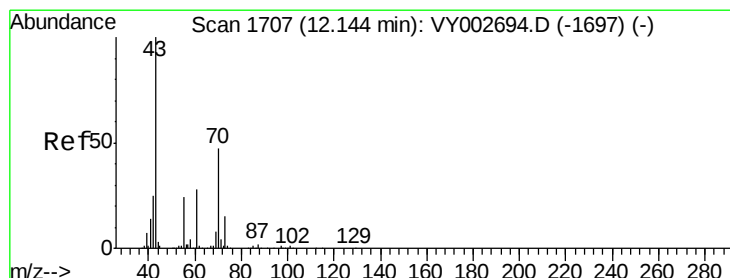
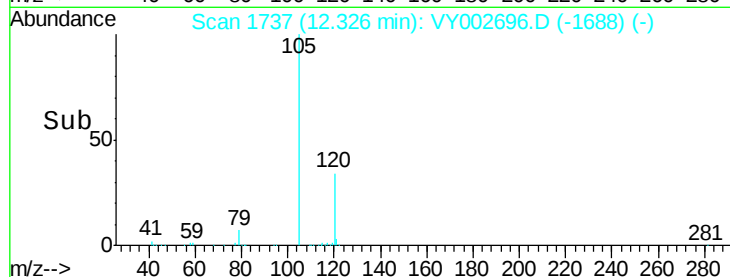
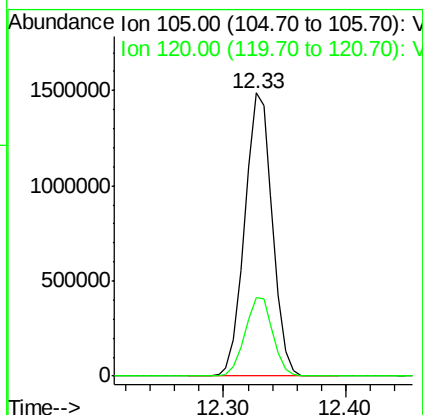
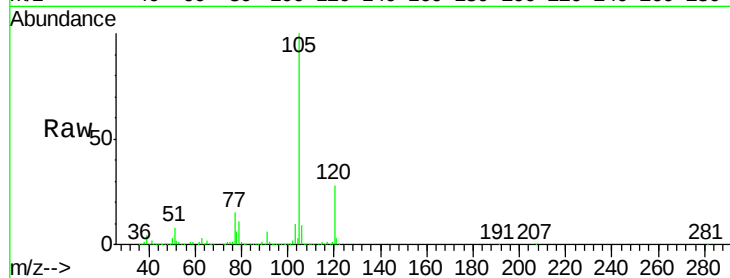
105 100

120 27.8 13.7 41.1

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#74

N-ethyl acetate

Concen: 144.494 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VY002696.D

Acq: 15 May 2020 13:16

Tgt Ion: 43 Resp: 552321

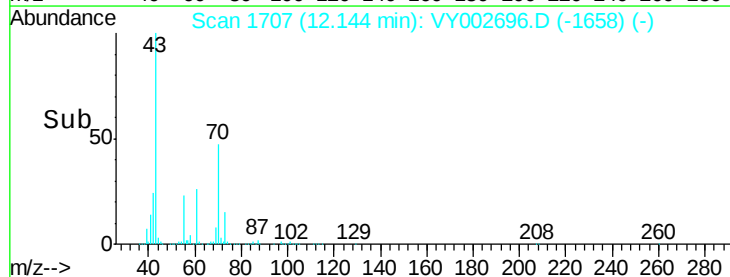
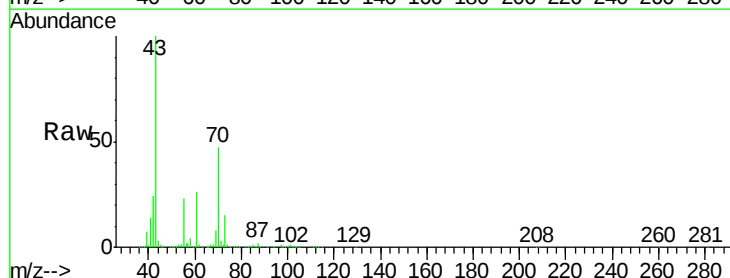
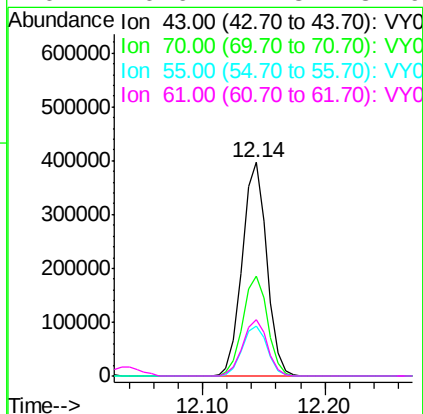
Ion Ratio Lower Upper

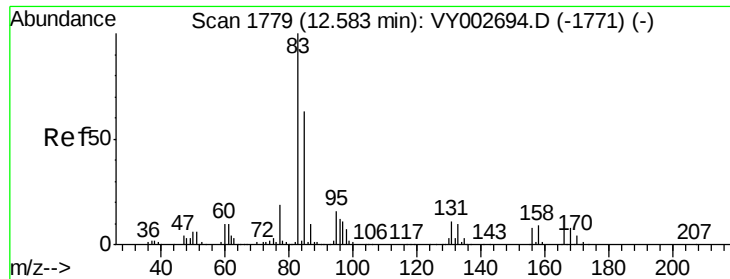
43 100

70 47.2 37.7 56.5

55 23.9 19.4 29.0

61 26.6 21.3 31.9





#75

1,1,2,2-Tetrachloroethane

Concen: 139.130 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VY002696.D

Acq: 15 May 2020 13:16

Instrument :

MSVOA_Y

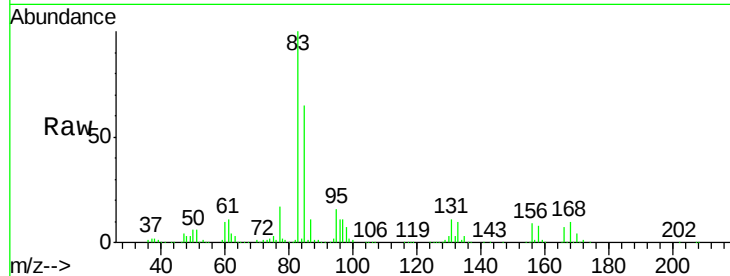
ClientSampleId :

VSTDIC150

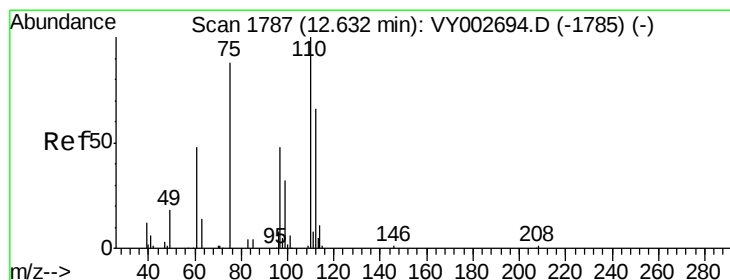
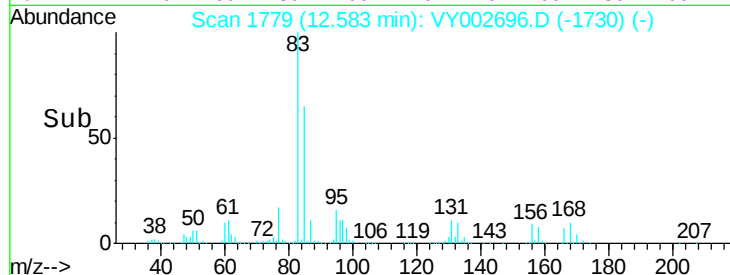
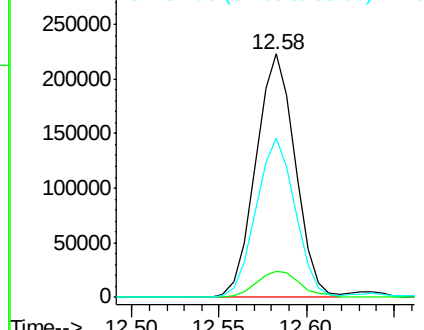
Tot Ion:	83	Resp:	348774
Ion	Ratio	Lower	Upper
83	100		
131	11.9	5.8	17.3
85	65.1	31.9	95.9

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VY002696.D (-1730) (-)



#76

1,2,3-Trichloropropane

Concen: 134.091 ug/l m

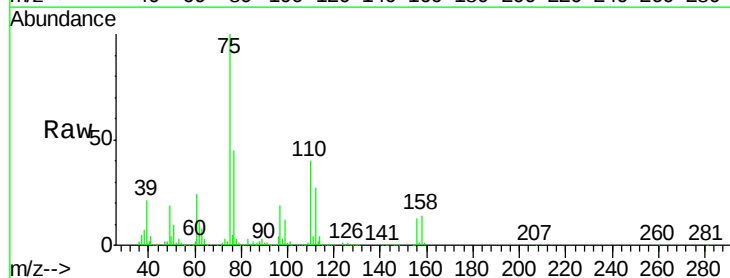
RT: 12.63 min Scan# 1787

Delta R.T. -0.00 min

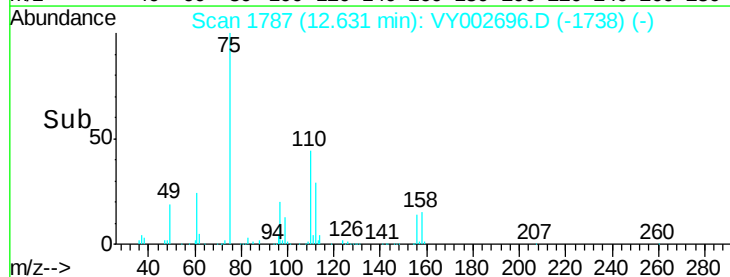
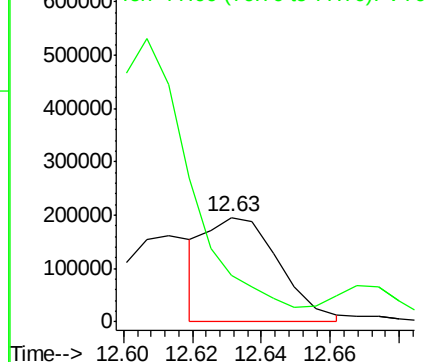
Lab File: VY002696.D

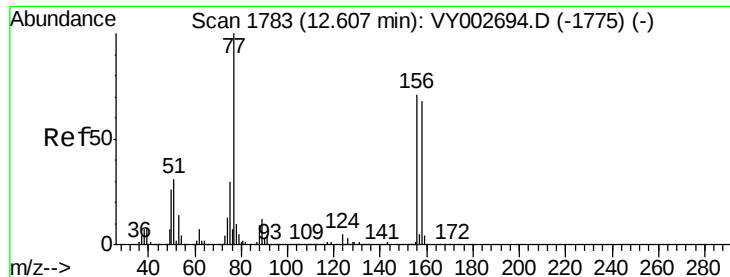
Acq: 15 May 2020 13:16

Tgt Ion:	75	Resp:	288224
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VY002696.D (-1738) (-)





#77

Bromobenzene

Concen: 145.725 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VY002696.D

Acq: 15 May 2020 13:16

Instrument :

MSVOA_Y

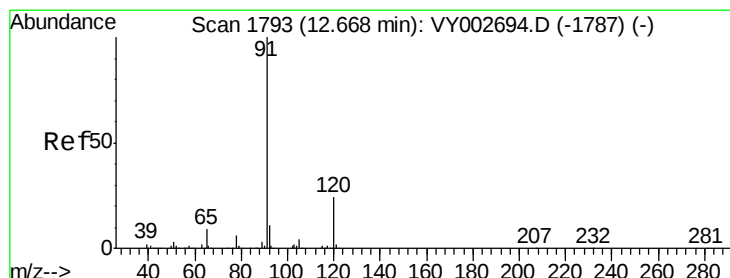
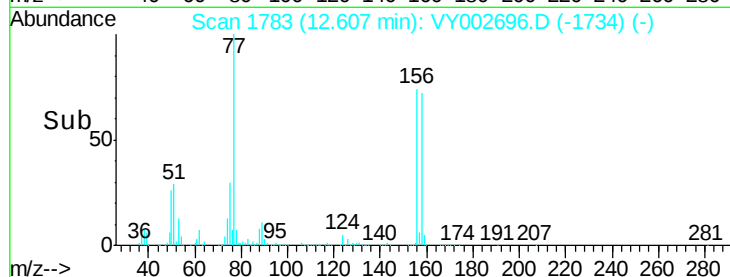
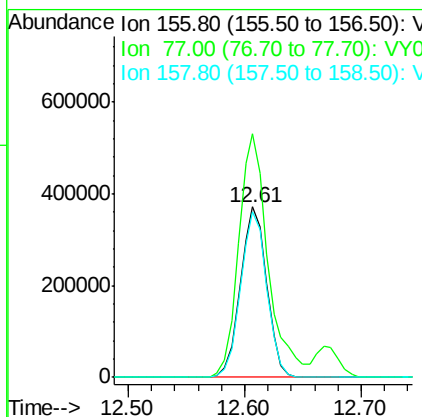
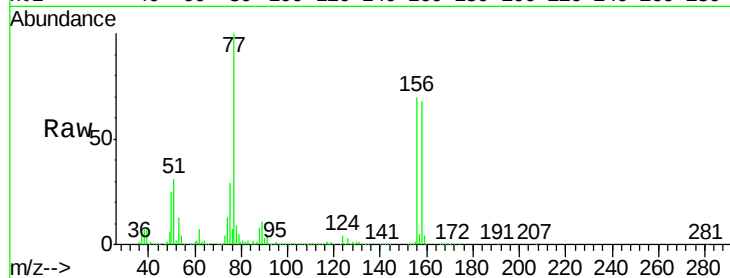
ClientSampleId :

VSTDIC150

Tot Ion:	156	Resp:	581715
Ion Ratio	Lower	Upper	
156	100		
77	159.6	80.8	242.3
158	97.0	49.0	147.0

Manual Integrations
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#78

n-propylbenzene

Concen: 144.052 ug/l

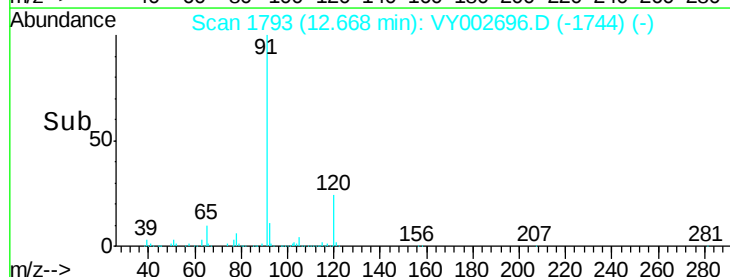
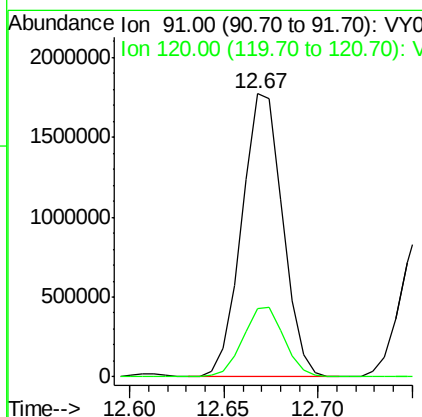
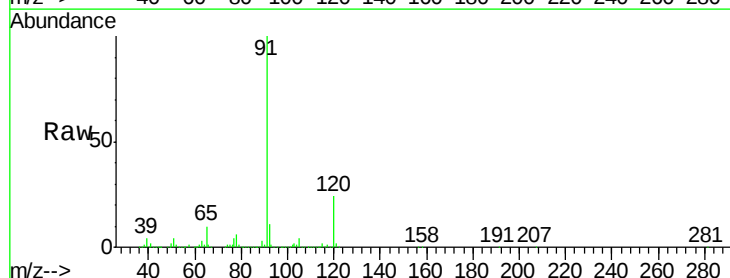
RT: 12.67 min Scan# 1793

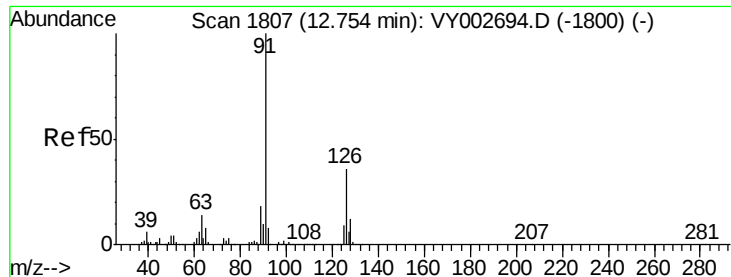
Delta R.T. -0.00 min

Lab File: VY002696.D

Acq: 15 May 2020 13:16

Tgt Ion:	91	Resp:	2671239
Ion Ratio	Lower	Upper	
91	100		
120	24.7	12.3	36.8





#79

2-Chlorotoluene

Concen: 144.780 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. -0.00 min

Lab File: VY002696.D

Acq: 15 May 2020 13:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 1488500

Ion Ratio Lower Upper

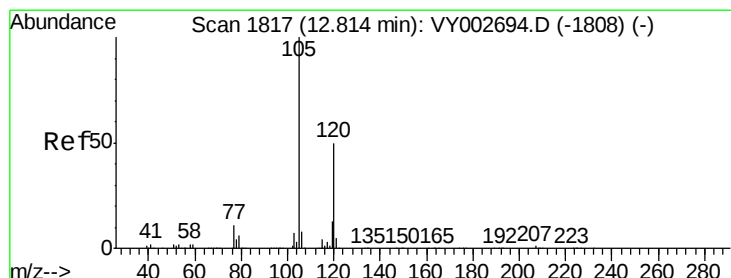
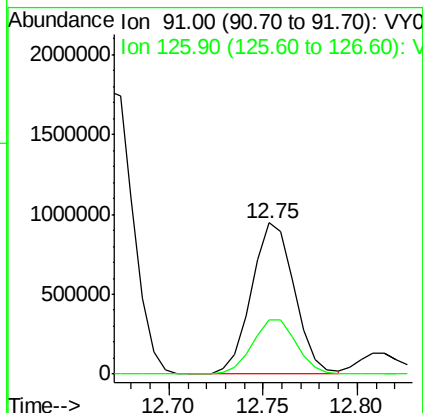
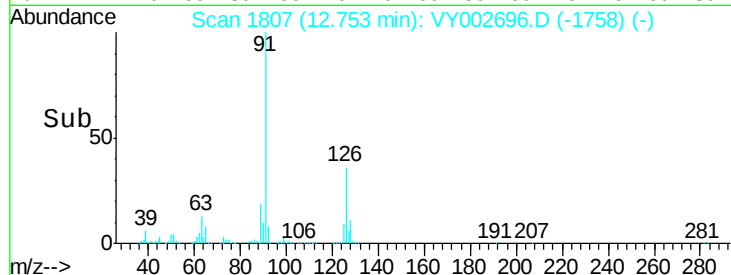
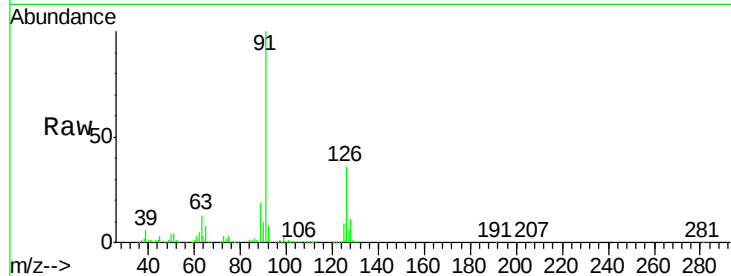
91 100

126 36.6 18.4 55.0

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 145.701 ug/l

RT: 12.81 min Scan# 1817

Delta R.T. -0.00 min

Lab File: VY002696.D

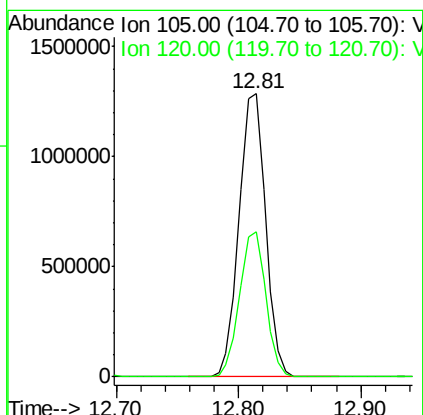
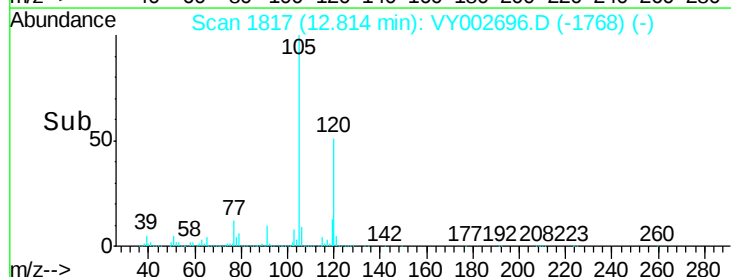
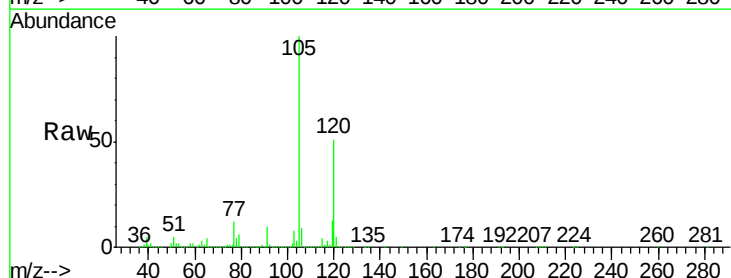
Acq: 15 May 2020 13:16

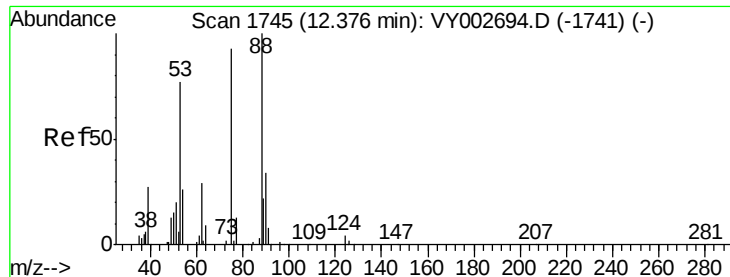
Tgt Ion: 105 Resp: 1931596

Ion Ratio Lower Upper

105 100

120 50.9 25.1 75.4





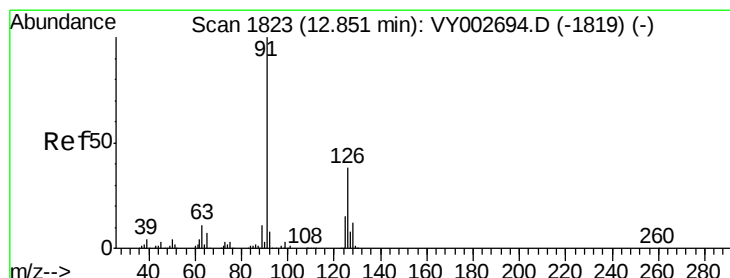
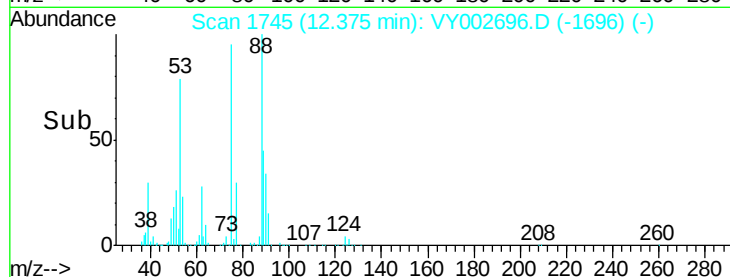
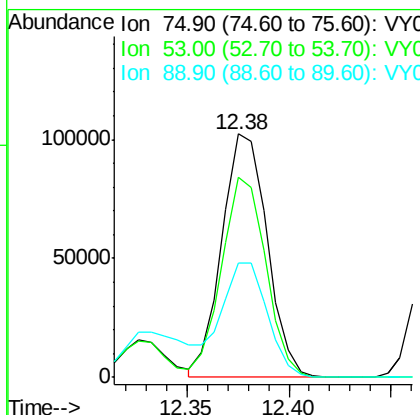
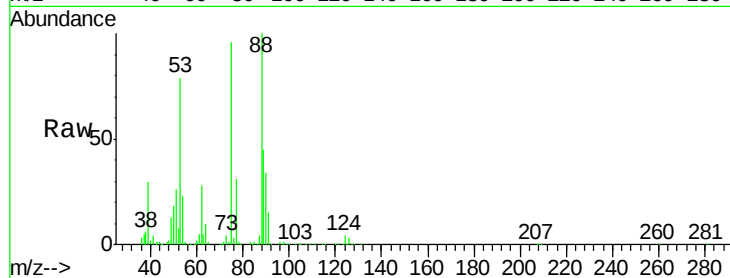
#81
trans-1,4-Dichloro-2-butene
Concen: 144.325 ug/l
RT: 12.38 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VY002696.D
Acq: 15 May 2020 13:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
53	81.1	65.0	97.6
89	47.2	66.6	99.8

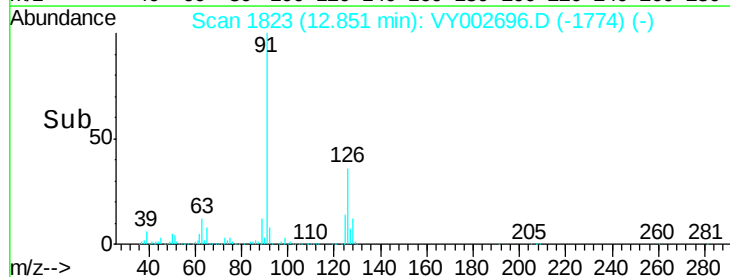
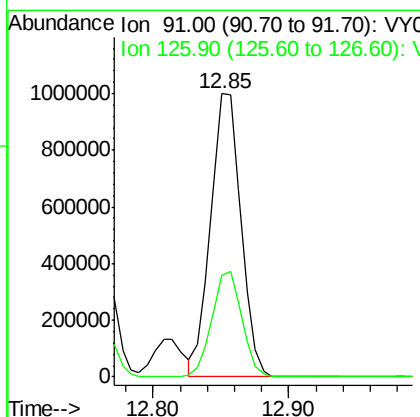
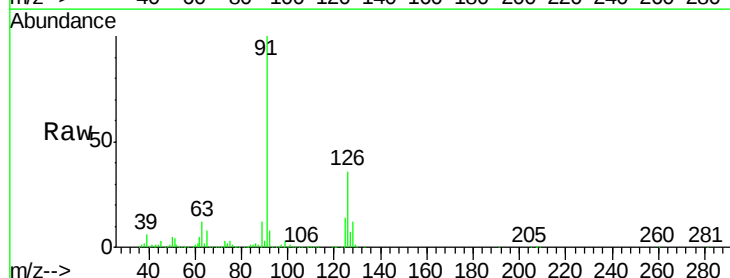
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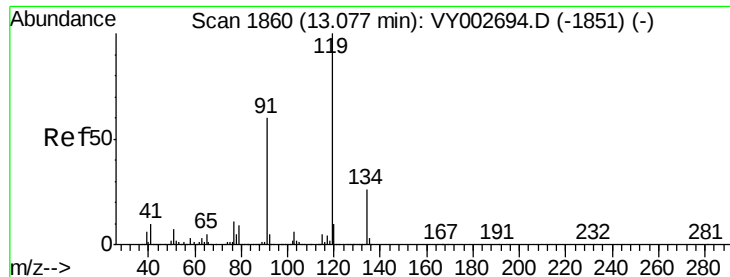
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#82
4-Chlorotoluene
Concen: 143.188 ug/l
RT: 12.85 min Scan# 1823
Delta R.T. -0.00 min
Lab File: VY002696.D
Acq: 15 May 2020 13:16

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.8	18.6	56.0





#83

tert-Butylbenzene

Concen: 146.994 ug/l

RT: 13.08 min Scan# 1860

Delta R.T. -0.00 min

Lab File: VY002696.D

Acq: 15 May 2020 13:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tot Ion:119 Resp: 1708334

Ion Ratio Lower Upper

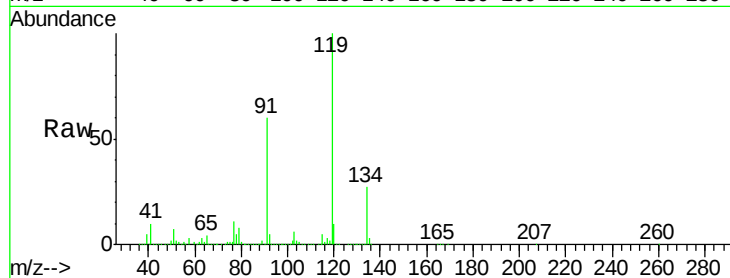
119 100

91 60.1 30.4 91.2

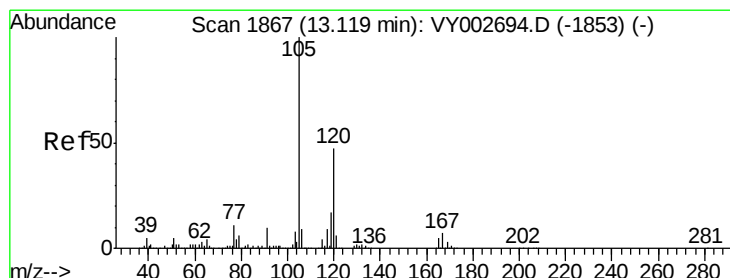
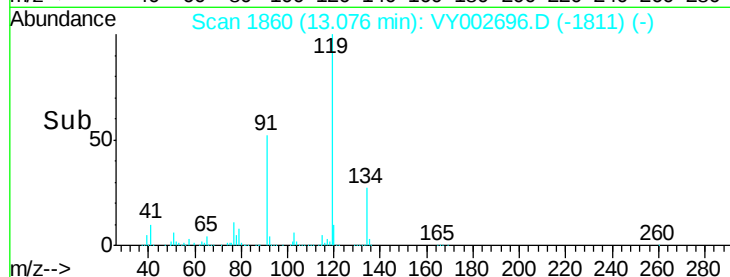
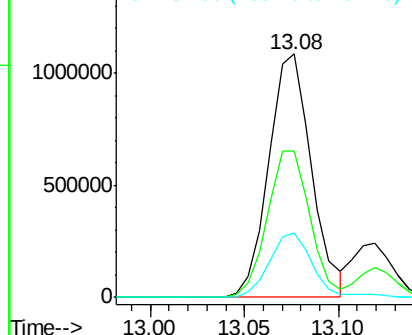
134 27.0 13.4 40.2

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Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VY0
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 145.239 ug/l

RT: 13.12 min Scan# 1867

Delta R.T. -0.00 min

Lab File: VY002696.D

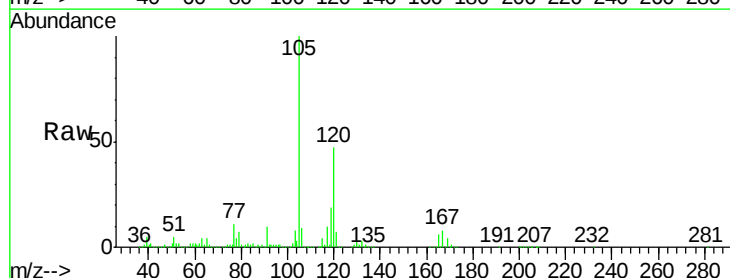
Acq: 15 May 2020 13:16

Tgt Ion:105 Resp: 1920864

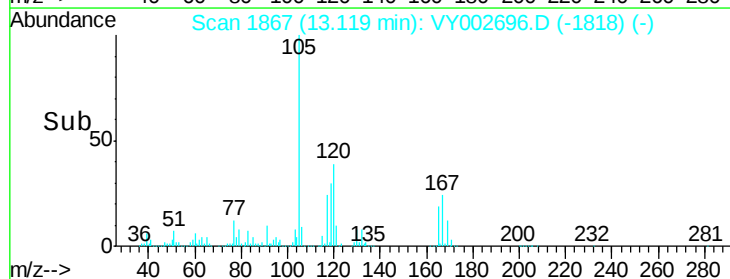
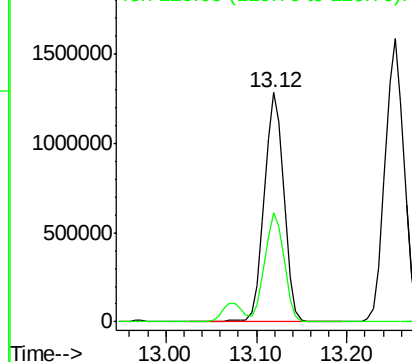
Ion Ratio Lower Upper

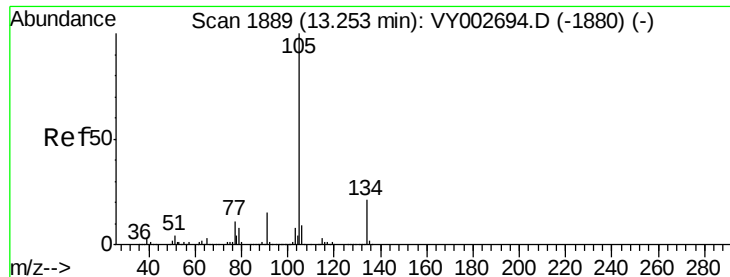
105 100

120 46.8 23.5 70.5



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 143.503 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VY002696.D

Acq: 15 May 2020 13:16

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 2314667

Ion Ratio Lower Upper

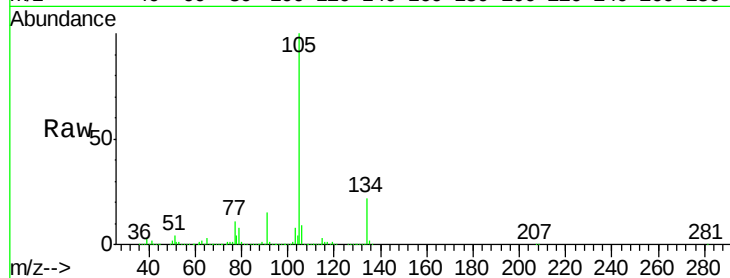
105 100

134 21.8 10.8 32.3

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.25

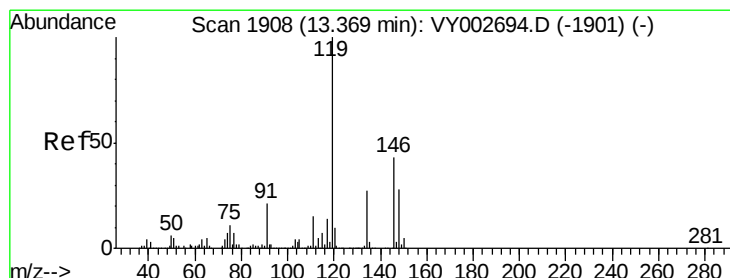
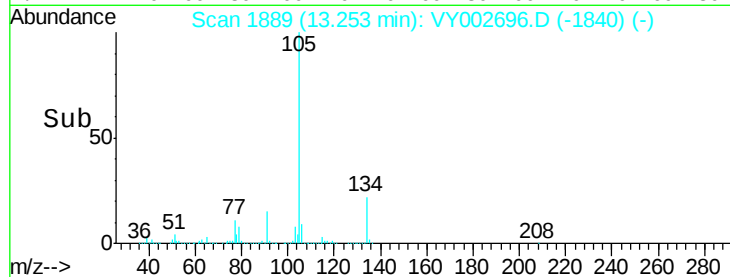
1500000

1000000

500000

0

Time-->



#86

p-Isopropyltoluene

Concen: 143.395 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. -0.00 min

Lab File: VY002696.D

Acq: 15 May 2020 13:16

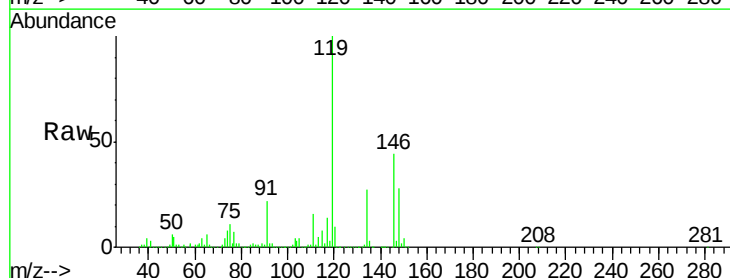
Tgt Ion:119 Resp: 2167396

Ion Ratio Lower Upper

119 100

134 27.3 13.5 40.5

91 21.8 10.8 32.3



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

2000000

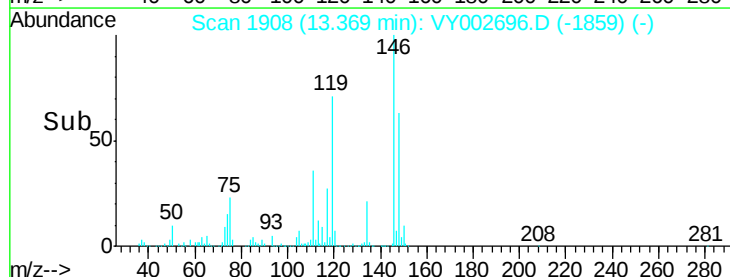
1500000

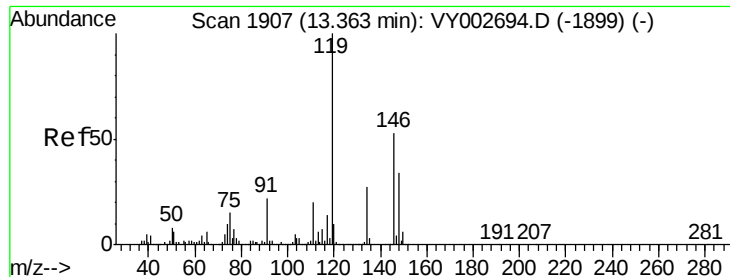
1000000

500000

0

Time-->





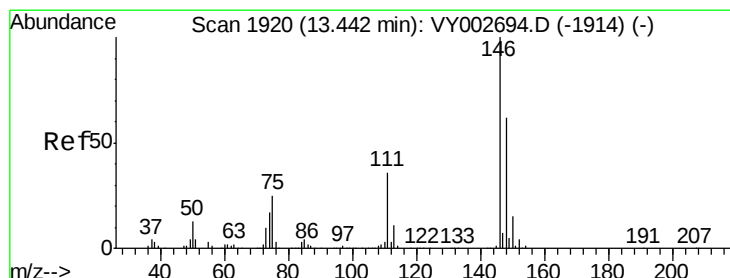
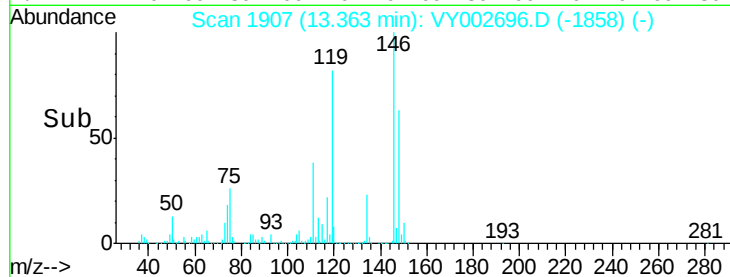
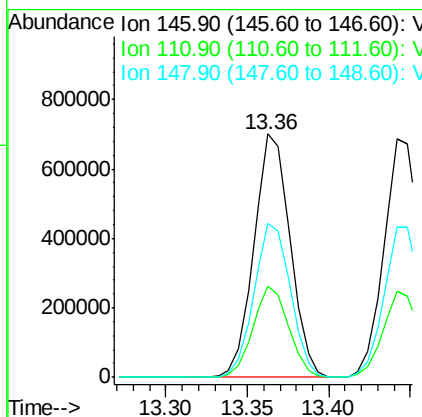
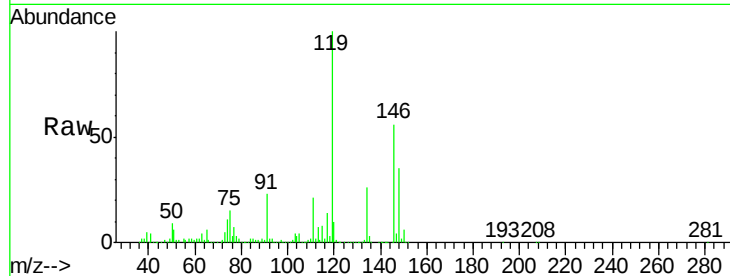
#87
 1,3-Dichlorobenzene
 Concen: 142.484 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. -0.00 min
 Lab File: VY002696.D
 Acq: 15 May 2020 13:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.5	55.5
148	63.9	32.1	96.5

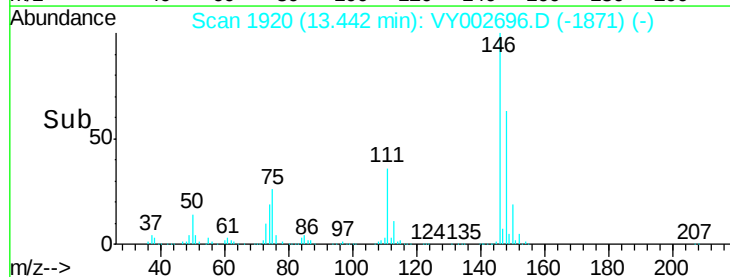
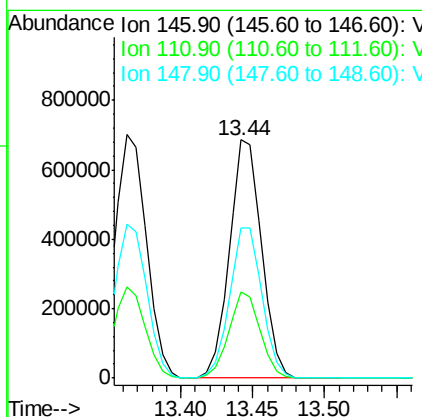
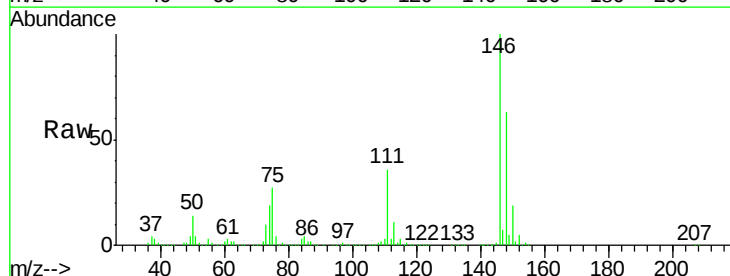
Manual Integrations
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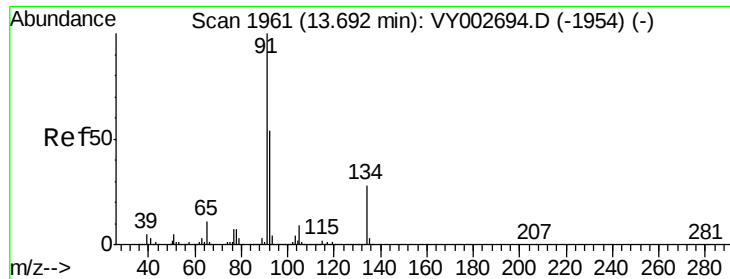
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#88
 1,4-Dichlorobenzene
 Concen: 142.531 ug/l
 RT: 13.44 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VY002696.D
 Acq: 15 May 2020 13:16

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.4	18.1	54.4
148	63.8	31.8	95.3





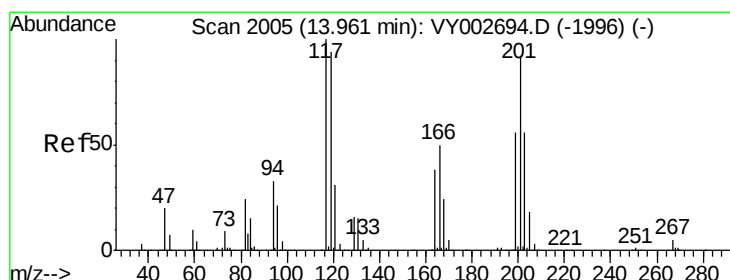
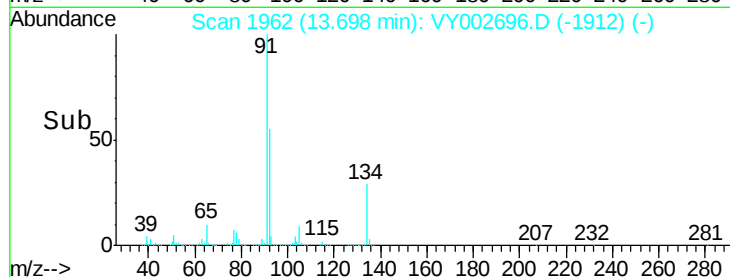
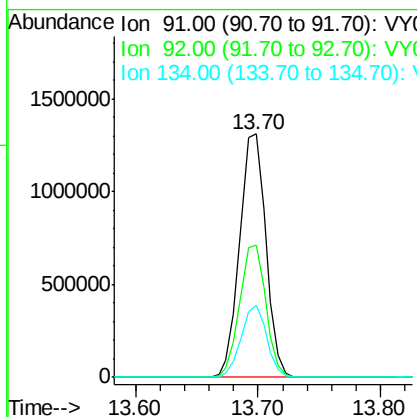
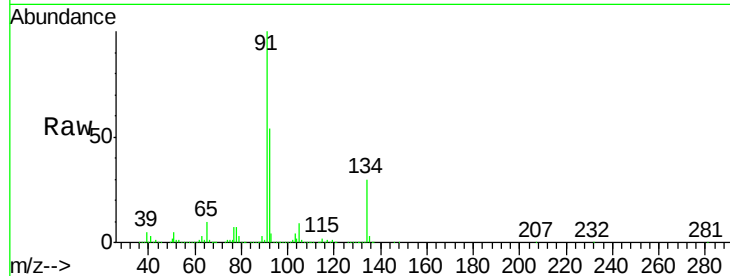
#89
n-Butylbenzene
Concen: 141.414 ug/l
RT: 13.70 min Scan# 1962
Delta R.T. 0.01 min
Lab File: VY002696.D
Acq: 15 May 2020 13:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.2	26.8	80.4
134	29.0	14.5	43.5

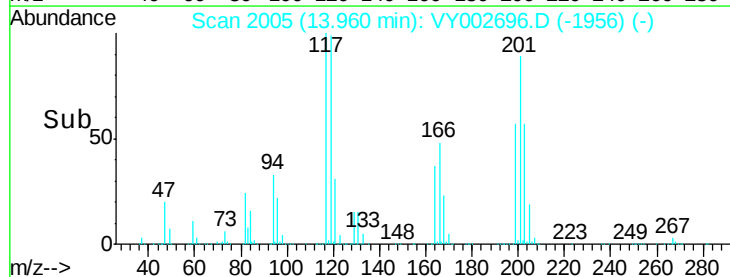
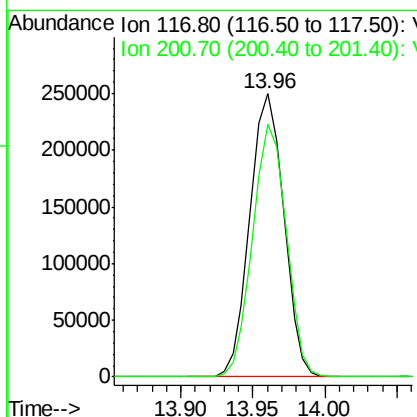
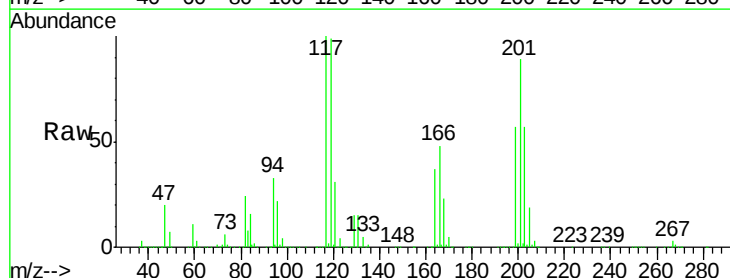
Manual Integrations
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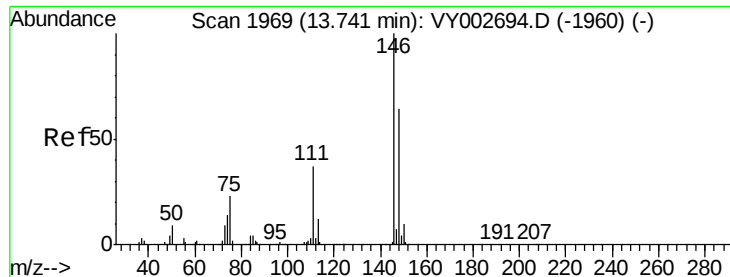
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#90
Hexachloroethane
Concen: 147.564 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. -0.00 min
Lab File: VY002696.D
Acq: 15 May 2020 13:16

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.6	44.9	134.7





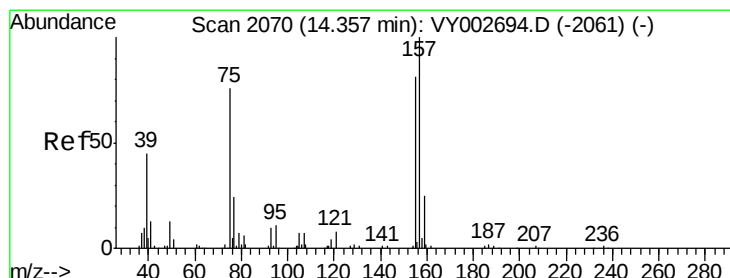
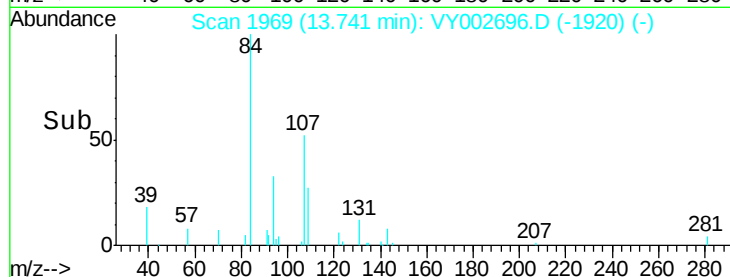
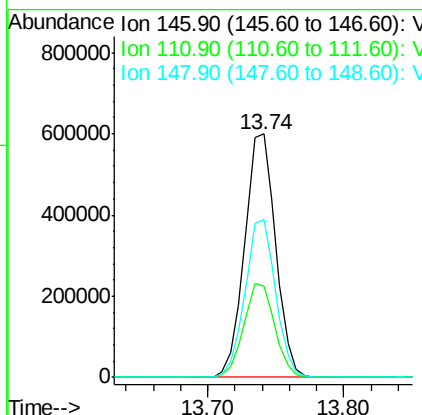
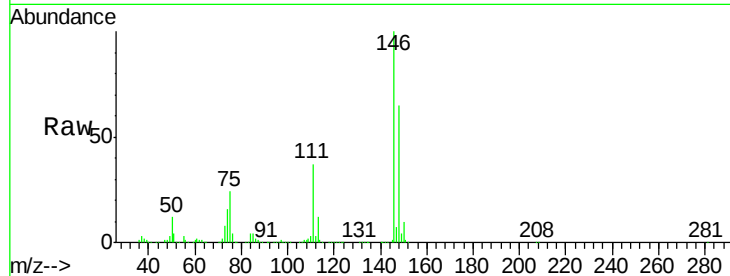
#91
 1,2-Dichlorobenzene
 Concen: 141.934 ug/l
 RT: 13.74 min Scan# 1969
 Delta R.T. -0.00 min
 Lab File: VY002696.D
 Acq: 15 May 2020 13:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.1	57.1
148	64.1	31.9	95.7

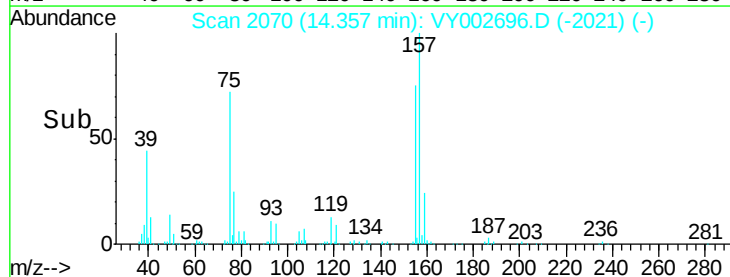
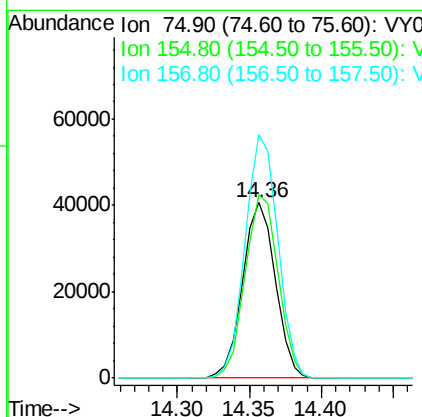
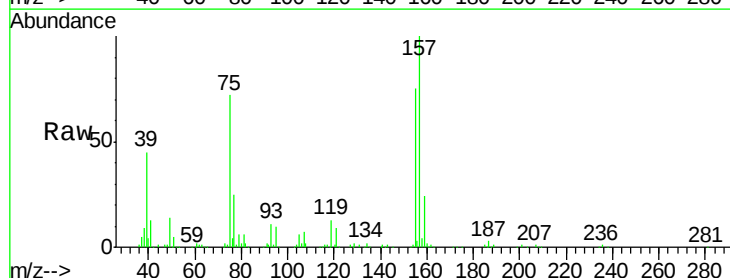
Manual Integrations
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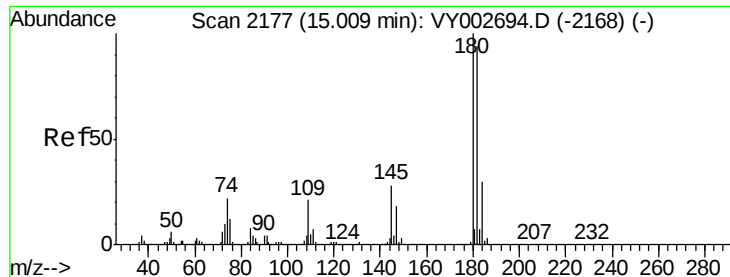
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 5/18/2020 1:36:09 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 136.035 ug/l
 RT: 14.36 min Scan# 2070
 Delta R.T. -0.00 min
 Lab File: VY002696.D
 Acq: 15 May 2020 13:16

Tgt Ion	Ratio	Lower	Upper
75	100		
155	105.1	53.5	160.7
157	138.0	67.9	203.7





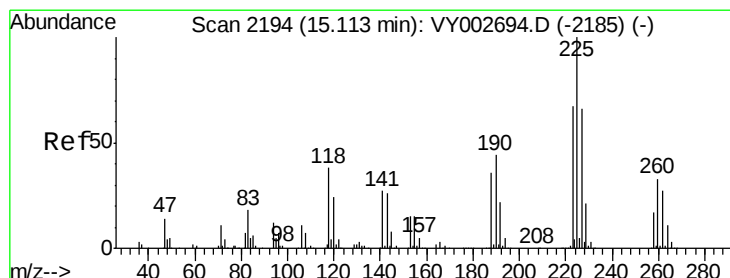
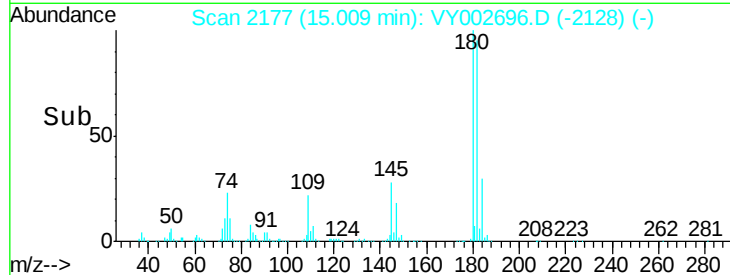
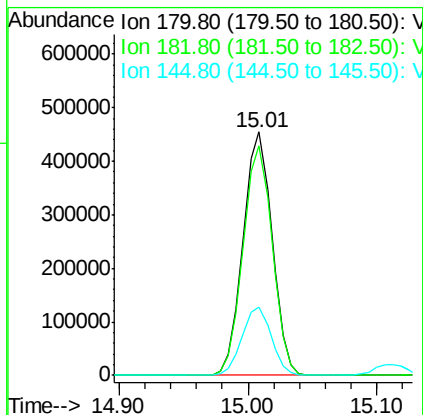
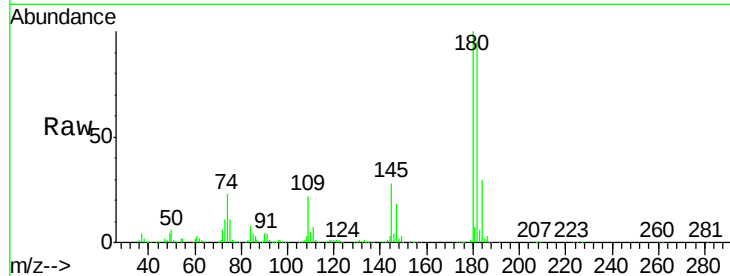
#93
 1,2,4-Trichlorobenzene
 Concen: 143.558 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. -0.00 min
 Lab File: VY002696.D
 Acq: 15 May 2020 13:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.1	47.3	142.0	
145	28.5	14.1	42.2	

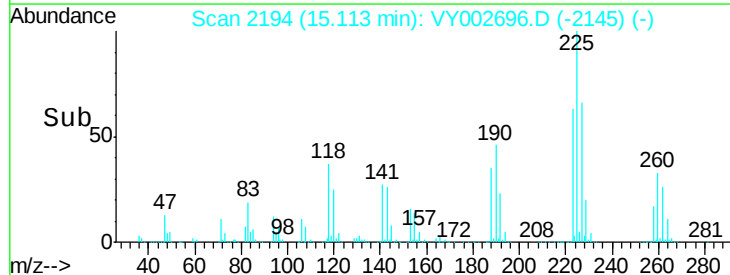
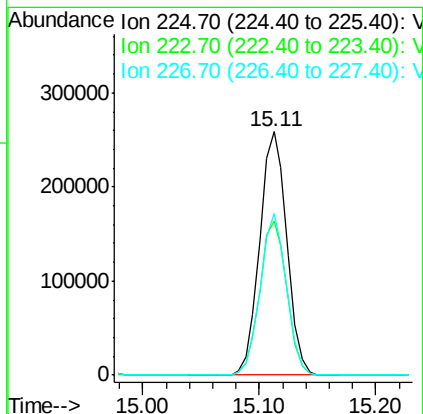
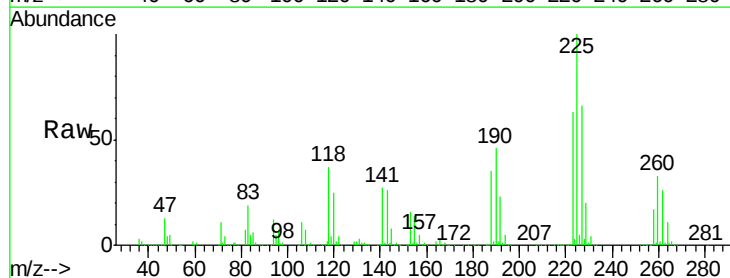
Manual Integrations
 APPROVED

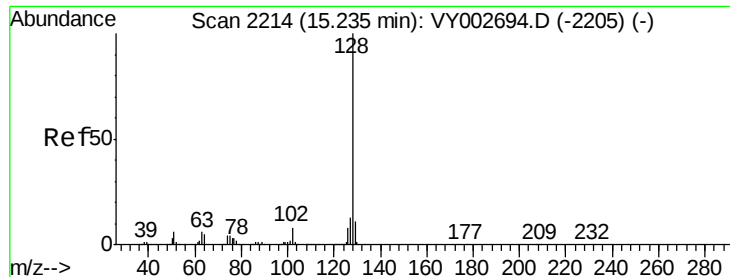
MMDadoda
 5/18/2020 1:36:09 PM



#94
 Hexachlorobutadiene
 Concen: 141.530 ug/l
 RT: 15.11 min Scan# 2194
 Delta R.T. -0.00 min
 Lab File: VY002696.D
 Acq: 15 May 2020 13:16

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.2	31.6	94.8	
227	64.1	32.2	96.6	





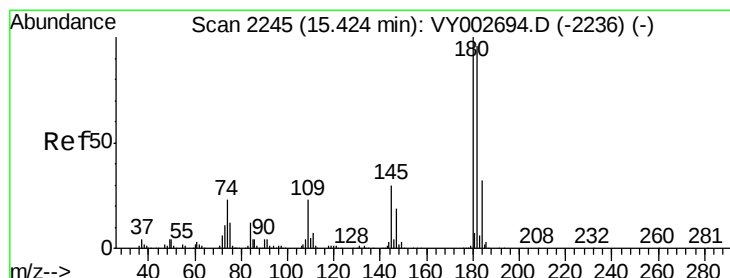
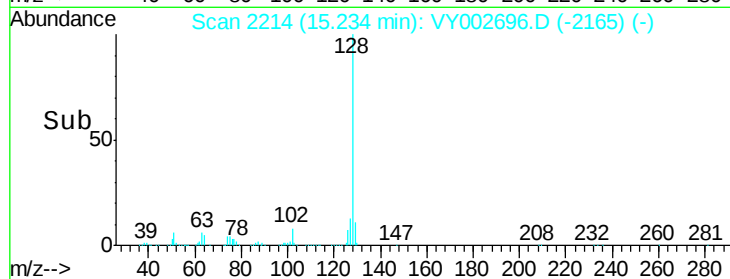
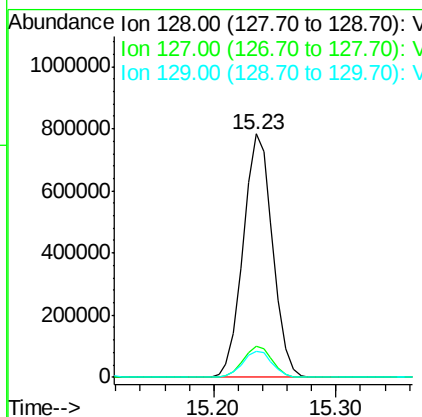
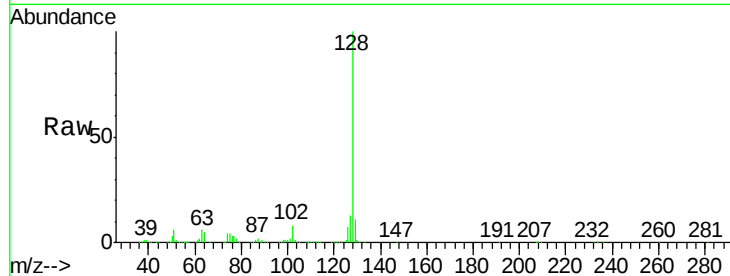
#95
Naphthalene
Concen: 145.466 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VY002696.D
Acq: 15 May 2020 13:16

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.3	15.5
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
5/18/2020 1:36:09 PM



#96
1,2,3-Trichlorobenzene
Concen: 144.255 ug/l
RT: 15.42 min Scan# 2245
Delta R.T. -0.00 min
Lab File: VY002696.D
Acq: 15 May 2020 13:16

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.6	142.9
145	30.4	15.1	45.3

