

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY062920\
 Data File : VY003003.D
 Acq On : 29 Jun 2020 12:40
 Operator : SY/MD
 Sample : VSTDIC100
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 6/30/2020 12:54:10 PM

Quant Time: Jun 30 04:12:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 29 17:26:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	463982	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	680637	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	624608	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	323902	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	472521	102.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	205.08%	
35) Dibromofluoromethane	7.72	113	430618	101.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	202.84%	
50) Toluene-d8	10.18	98	1615740	102.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	204.30%	
62) 4-Bromofluorobenzene	12.48	95	562627	101.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	202.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	367664	104.632	ug/l	99
3) Chloromethane	2.12	50	492096	95.634	ug/l	98
4) Vinyl Chloride	2.26	62	529433	105.481	ug/l	95
5) Bromomethane	2.65	94	361531	106.086	ug/l	97
6) Chloroethane	2.79	64	330426	103.485	ug/l	96
7) Trichlorofluoromethane	3.13	101	734502	103.680	ug/l	100
8) Diethyl Ether	3.54	74	255974	105.398	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.91	101	439022	103.788	ug/l	99
10) Methyl Iodide	4.10	142	568412	108.369	ug/l	99
11) Tert butyl alcohol	4.96	59	235520	501.494	ug/l	99
12) 1,1-Dichloroethene	3.88	96	417398	103.709	ug/l	98
13) Acrolein	3.74	56	204394	484.574	ug/l	100
14) Allyl chloride	4.49	41	751834	106.993	ug/l	99
15) Acrylonitrile	5.18	53	672301	537.124	ug/l	100
16) Acetone	3.96	43	608300	559.690	ug/l	100
17) Carbon Disulfide	4.20	76	1337934	104.046	ug/l	99
18) Methyl Acetate	4.48	43	307955	105.171	ug/l	100
19) Methyl tert-butyl Ether	5.23	73	1271421	108.376	ug/l	99
20) Methylene Chloride	4.72	84	482499	79.539	ug/l	99
21) trans-1,2-Dichloroethene	5.23	96	472351	103.756	ug/l	98
22) Diisopropyl ether	6.13	45	1605463	106.598	ug/l	99
23) Vinyl Acetate	6.07	43	5516262	547.831	ug/l	100
24) 1,1-Dichloroethane	6.03	63	863660	104.977	ug/l	100
25) 2-Butanone	7.00	43	947962	549.075	ug/l	98
26) 2,2-Dichloropropane	6.99	77	761450	101.869	ug/l	100
27) cis-1,2-Dichloroethene	7.00	96	531372	104.064	ug/l	100
28) Bromochloromethane	7.34	49	405661	110.818	ug/l	98
29) Tetrahydrofuran	7.35	42	627039	546.150	ug/l	100
30) Chloroform	7.52	83	845542	103.741	ug/l	100
31) Cyclohexane	7.79	56	799621	98.659	ug/l	99
32) 1,1,1-Trichloroethane	7.71	97	778098	104.587	ug/l	99
36) 1,1-Dichloropropene	7.93	75	681483	103.945	ug/l	100
37) Ethyl Acetate	7.08	43	428672	108.747	ug/l	100
38) Carbon Tetrachloride	7.91	117	717279	105.153	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	855756	105.276	ug/l	98
40) Benzene	8.17	78	1877039	104.576	ug/l	99
41) Methacrylonitrile	7.33	41	219936m	45.489	ug/l	
42) 1,2-Dichloroethane	8.24	62	603940	106.360	ug/l	99
43) Isopropyl Acetate	8.28	43	819611	109.372	ug/l	99
44) Trichloroethene	8.94	130	545343	104.533	ug/l	99
45) 1,2-Dichloropropane	9.22	63	511857	105.998	ug/l	96
46) Dibromomethane	9.31	93	282851	104.875	ug/l	99
47) Bromodichloromethane	9.50	83	700481	106.068	ug/l	98
48) Methyl methacrylate	9.30	41	377812	110.764	ug/l	99
49) 1,4-Dioxane	9.30	88	72550	2203.638	ug/l	95
51) 4-Methyl-2-Pentanone	10.07	43	2140241	552.574	ug/l	100
52) Toluene	10.24	92	1180900	104.514	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	752277	108.649	ug/l	98
54) cis-1,3-Dichloropropene	9.93	75	844112	106.599	ug/l	99
55) 1,1,2-Trichloroethane	10.64	97	398558	106.345	ug/l	99
56) Ethyl methacrylate	10.51	69	603463	111.235	ug/l	98
57) 1,3-Dichloropropane	10.79	76	699295	106.287	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	1524196	547.800	ug/l	100
59) 2-Hexanone	10.83	43	1520513	561.646	ug/l	99
60) Dibromochloromethane	10.99	129	511906	106.732	ug/l	99
61) 1,2-Dibromoethane	11.09	107	394082	106.659	ug/l	98
64) Tetrachloroethene	10.72	164	553599	104.723	ug/l	98
65) Chlorobenzene	11.52	112	1283629	104.224	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	513995	106.894	ug/l	99
67) Ethyl Benzene	11.59	91	2374438	105.383	ug/l	99
68) m/p-Xylenes	11.70	106	1769890	211.058	ug/l	99
69) o-Xylene	12.03	106	835356	105.713	ug/l	99
70) Styrene	12.04	104	1447750	107.242	ug/l	99
71) Bromoform	12.20	173	345476	107.750	ug/l	# 100
73) Isopropylbenzene	12.33	105	2256106	106.430	ug/l	99
74) N-amyl acetate	12.14	43	766726	111.105	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.58	83	460837	107.727	ug/l	100
76) 1,2,3-Trichloropropane	12.63	75	340479m	61.499	ug/l	
77) Bromobenzene	12.61	156	572162	105.271	ug/l	99
78) n-propylbenzene	12.67	91	2687963	105.437	ug/l	100
79) 2-Chlorotoluene	12.75	91	1508782	106.029	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	1882712	105.841	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	180803	109.734	ug/l	97
82) 4-Chlorotoluene	12.86	91	1567445	105.797	ug/l	100
83) tert-Butylbenzene	13.08	119	1645648	105.359	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	1904978	106.279	ug/l	100
85) sec-Butylbenzene	13.25	105	2244050	104.234	ug/l	100
86) p-Isopropyltoluene	13.37	119	2111886	105.864	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	1084317	106.858	ug/l	100
88) 1,4-Dichlorobenzene	13.44	146	1043718	104.310	ug/l	100
89) n-Butylbenzene	13.70	91	1994771	104.510	ug/l	99
90) Hexachloroethane	13.96	117	421472	106.397	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	956250	105.034	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	82491	108.931	ug/l	99

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VSTDICC100

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Quant Title : SW846 8260
QLast Update : Mon Jun 29 17:26:44 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	712638	105.341	ug/l	99
94) Hexachlorobutadiene	15.11	225	436667	102.332	ug/l	98
95) Naphthalene	15.23	128	1345670	108.904	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	620841	105.687	ug/l	100

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

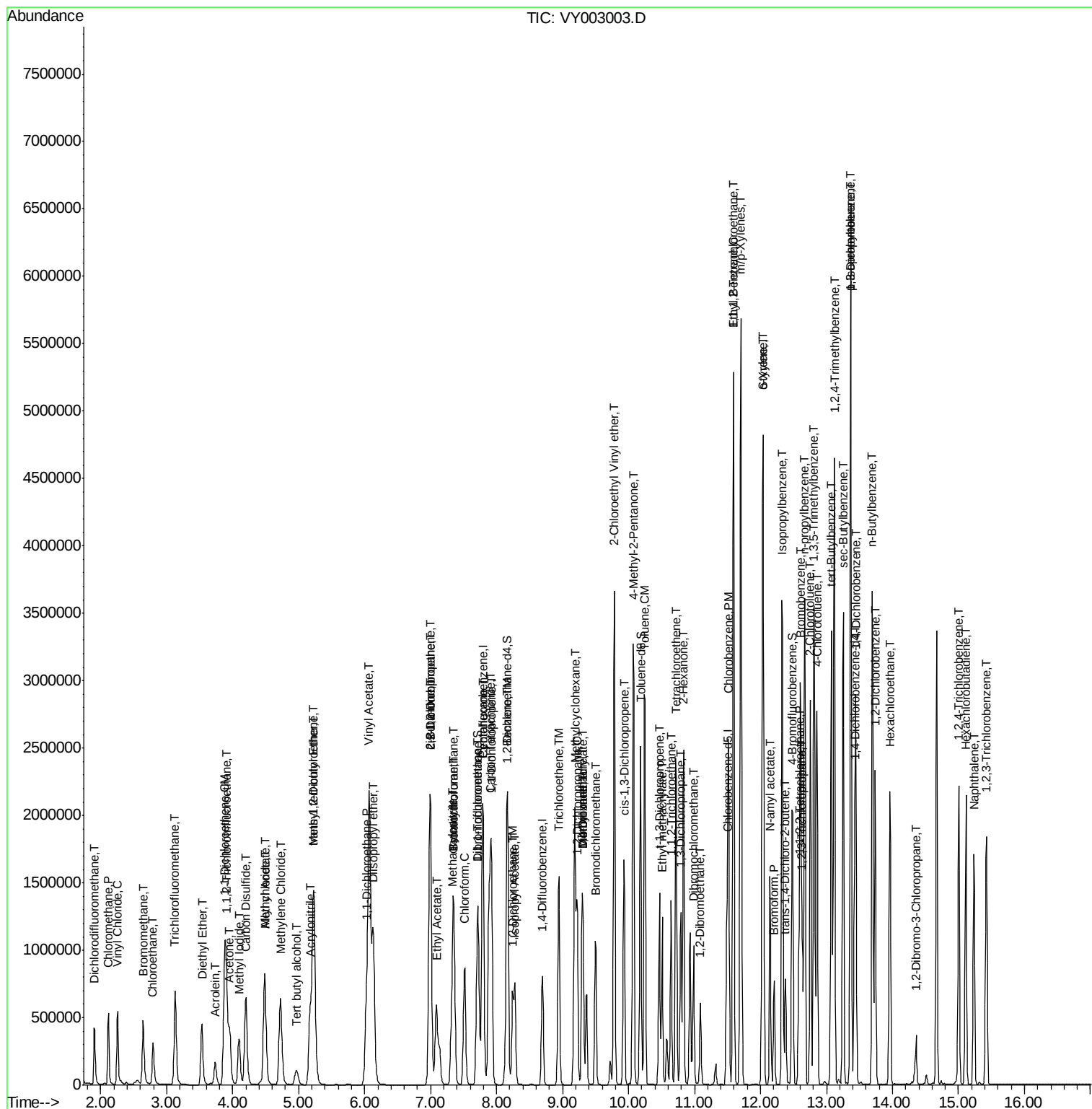
Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY062920\
 Data File : VY003003.D
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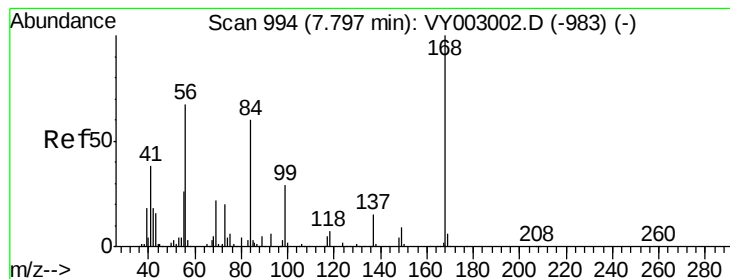
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.00 min

Lab File: VY003003.D

Acq: 29 Jun 2020 12:40

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tot Ion:168 Resp: 463982

Ion Ratio Lower Upper

168 100

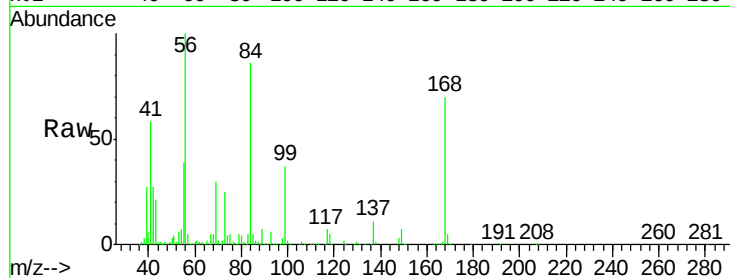
99 53.0 39.2 58.8

Manual Integrations

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6/30/2020 12:54:10 PM



Abundance Ion 167.90 (167.60 to 168.60): VY003003.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY003003.D (-983) (-)

7.80

200000

150000

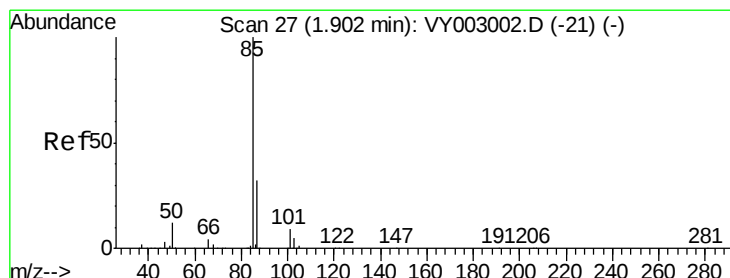
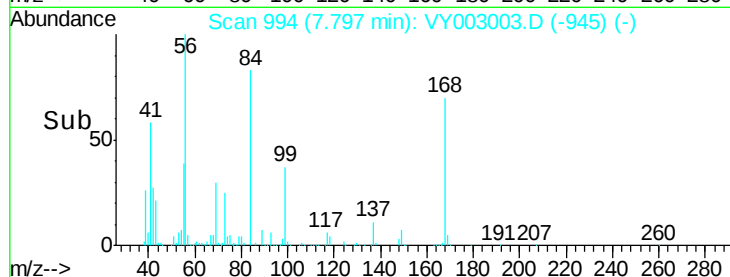
100000

50000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 104.632 ug/l

RT: 1.90 min Scan# 27

Delta R.T. -0.00 min

Lab File: VY003003.D

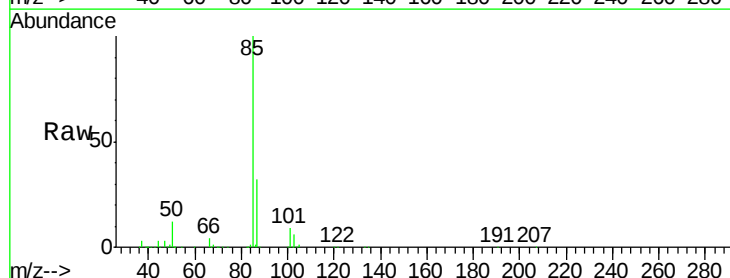
Acq: 29 Jun 2020 12:40

Tgt Ion: 85 Resp: 367664

Ion Ratio Lower Upper

85 100

87 32.0 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VY003003.D (-21) (-)

Ion 86.90 (86.60 to 87.60): VY003003.D (-21) (-)

1.90

250000

200000

150000

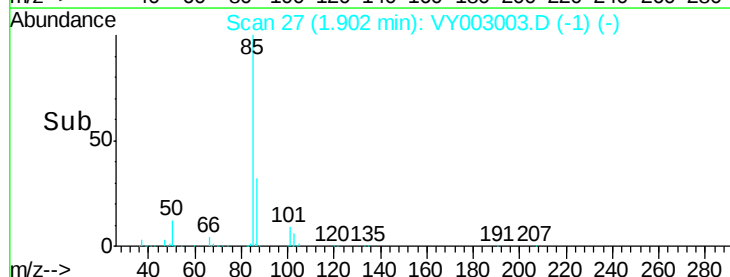
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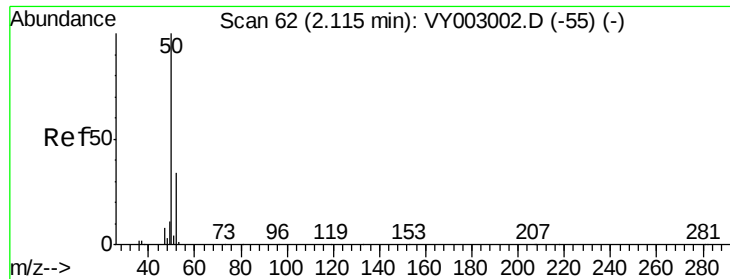
50000

0

1.80 1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 95.634 ug/l

RT: 2.12 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY003003.D

Acq: 29 Jun 2020 12:40

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 492096

Ion Ratio Lower Upper

50 100

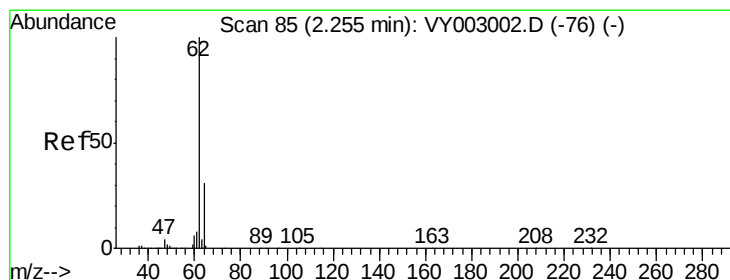
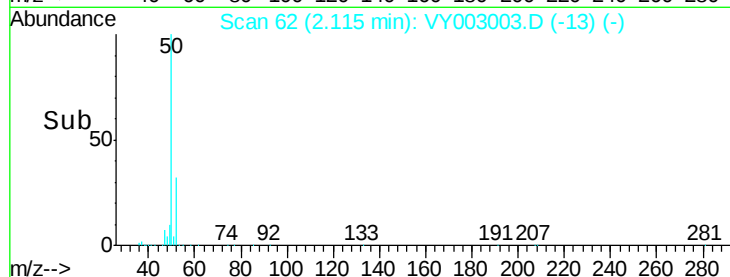
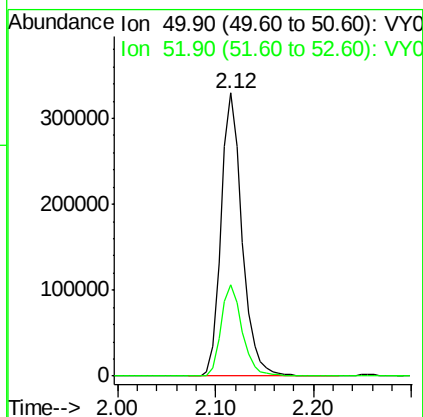
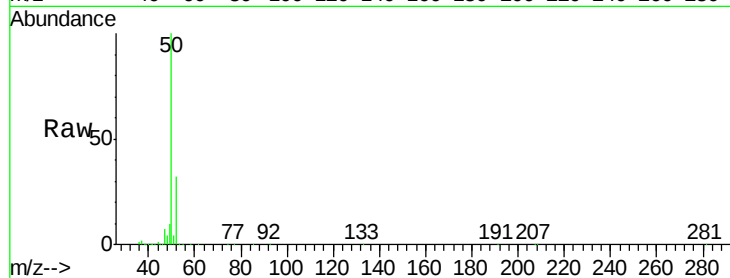
52 32.3 26.9 40.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 105.481 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.00 min

Lab File: VY003003.D

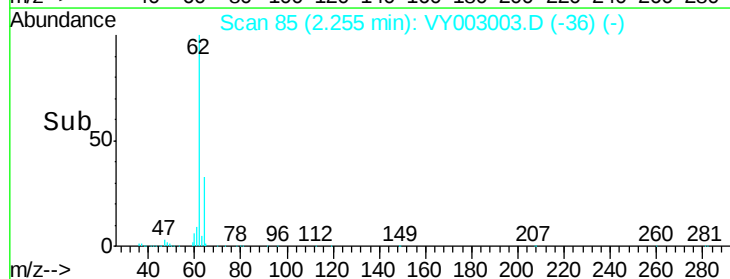
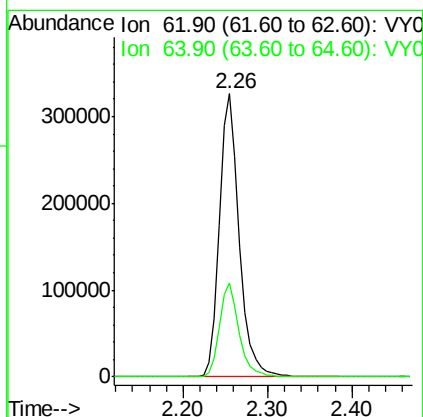
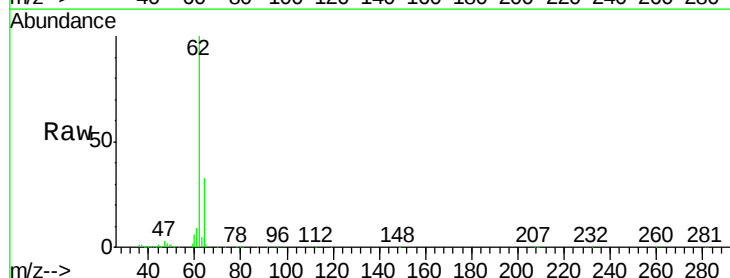
Acq: 29 Jun 2020 12:40

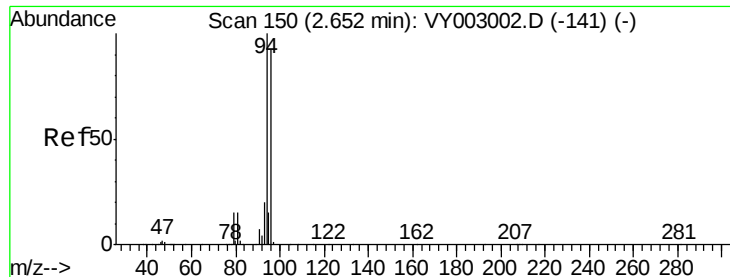
Tgt Ion: 62 Resp: 529433

Ion Ratio Lower Upper

62 100

64 33.2 24.4 36.6





#5

Bromomethane

Concen: 106.086 ug/l

RT: 2.65 min Scan# 149

Delta R.T. -0.01 min

Lab File: VY003003.D

Acq: 29 Jun 2020 12:40

Instrument :

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ClientSampleId :

VSTDICC100

Tot Ion: 94 Resp: 361531

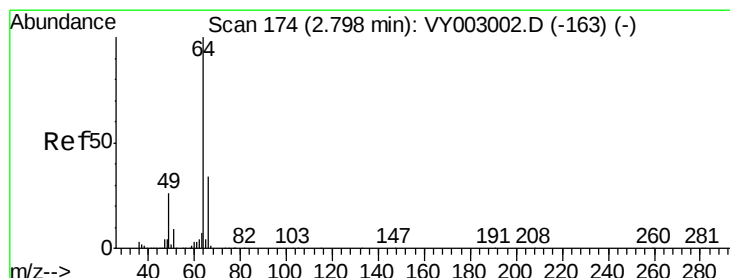
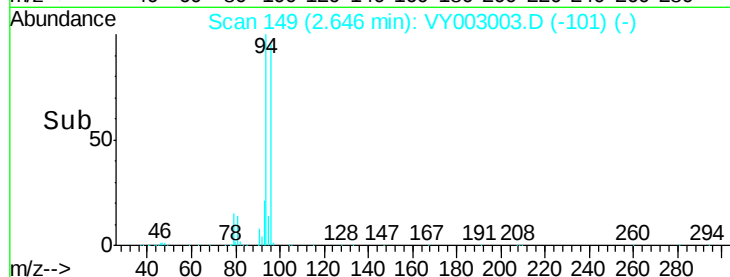
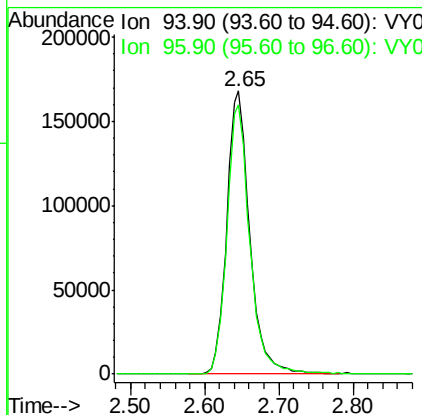
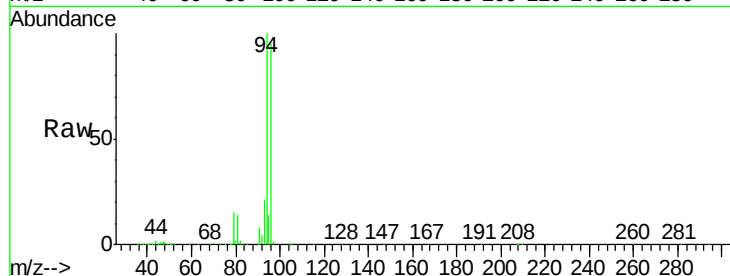
Ion Ratio Lower Upper

94 100

96 95.1 73.4 110.2

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#6

Chloroethane

Concen: 103.485 ug/l

RT: 2.79 min Scan# 173

Delta R.T. -0.01 min

Lab File: VY003003.D

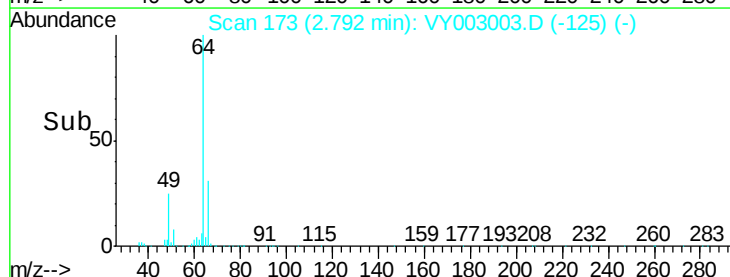
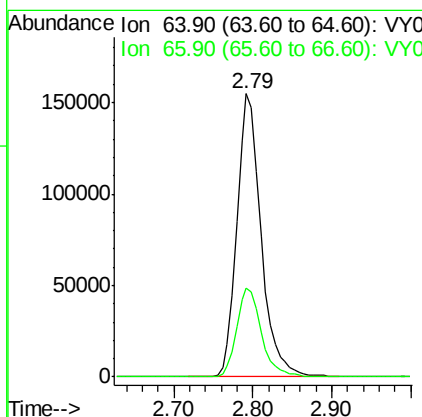
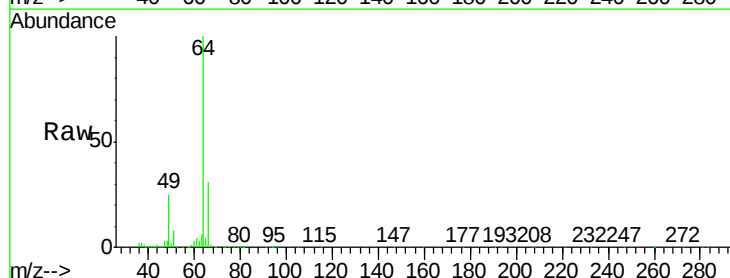
Acq: 29 Jun 2020 12:40

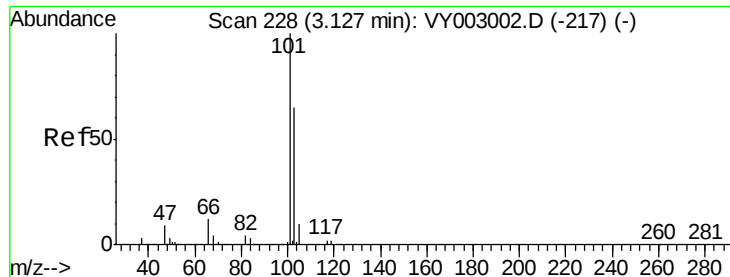
Tgt Ion: 64 Resp: 330426

Ion Ratio Lower Upper

64 100

66 31.4 27.0 40.4





#7

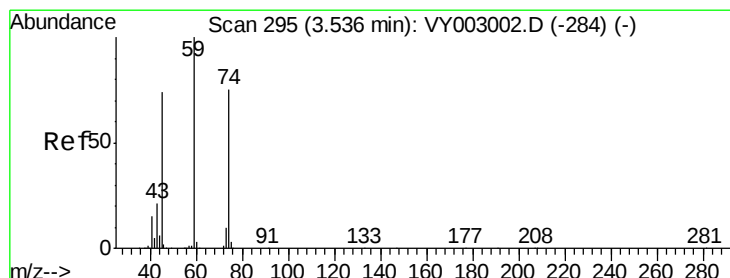
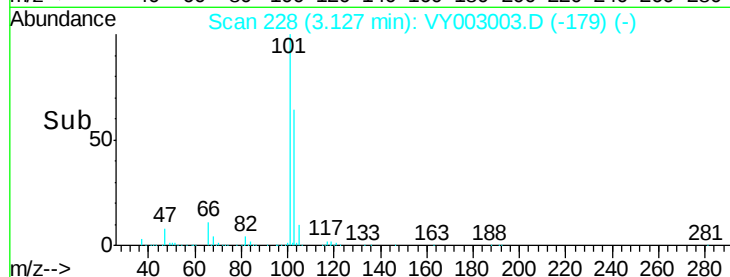
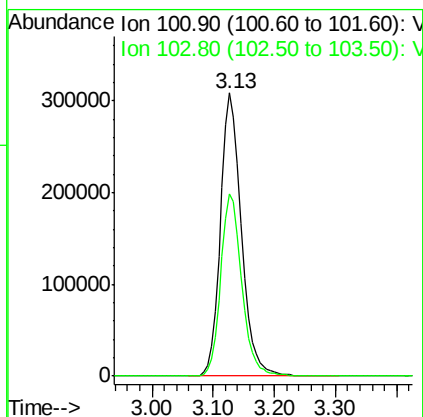
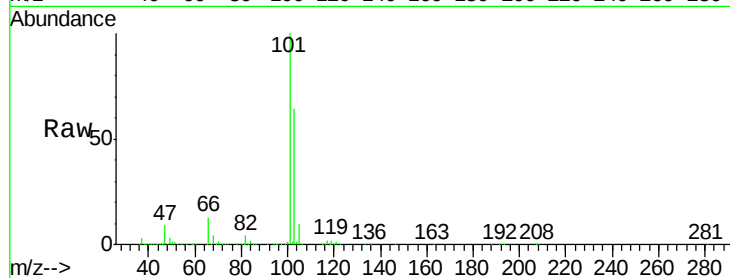
Trichlorofluoromethane
Concen: 103.680 ug/l
RT: 3.13 min Scan# 228
Delta R.T. -0.00 min
Lab File: VY003003.D
Acq: 29 Jun 2020 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.3	51.6	77.4

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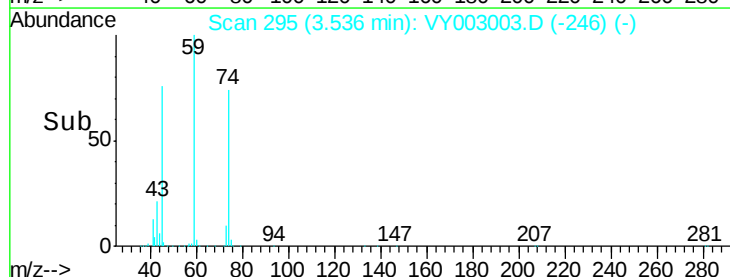
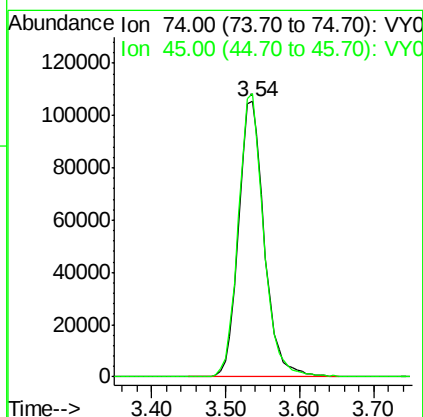
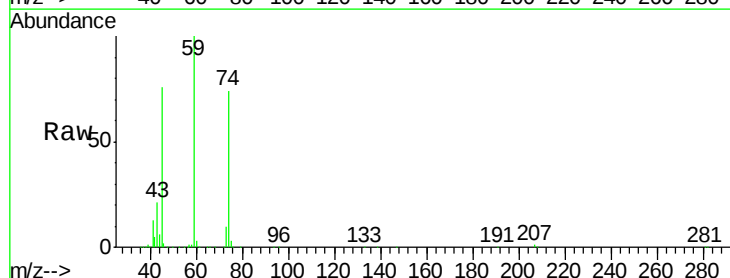
MMDadoda
6/30/2020 12:54:10 PM

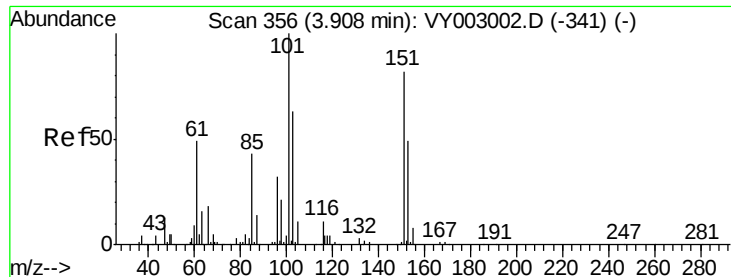


#8

Diethyl Ether
Concen: 105.398 ug/l
RT: 3.54 min Scan# 295
Delta R.T. -0.00 min
Lab File: VY003003.D
Acq: 29 Jun 2020 12:40

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.4	49.3	147.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 103.788 ug/l

RT: 3.91 min Scan# 356

Delta R.T. -0.00 min

Lab File: VY003003.D

Acq: 29 Jun 2020 12:40

Instrument :

MSVOA_Y

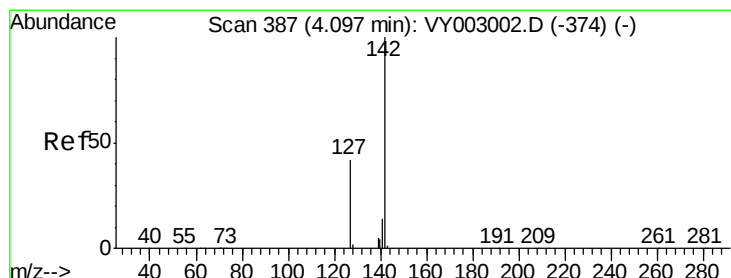
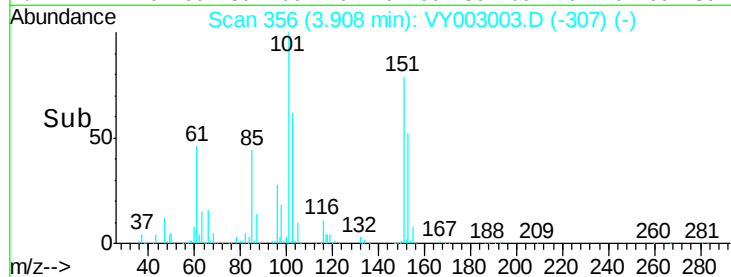
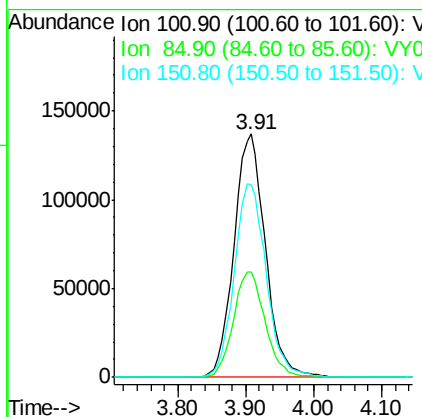
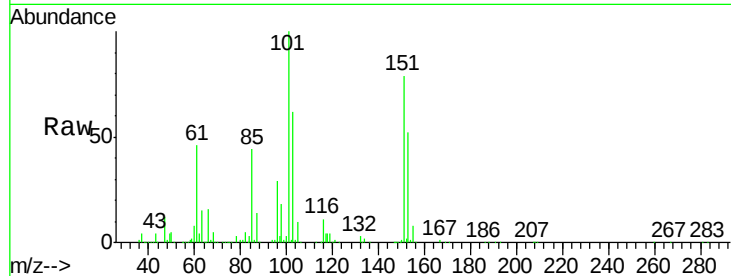
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	439022
Ion Ratio	Lower	Upper	
101	100		
85	44.1	35.5	53.3
151	81.1	65.5	98.3

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#10

Methyl Iodide

Concen: 108.369 ug/l

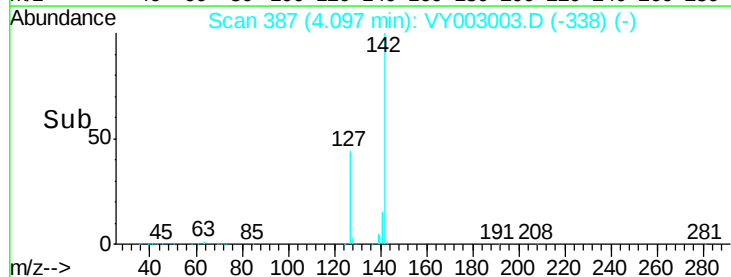
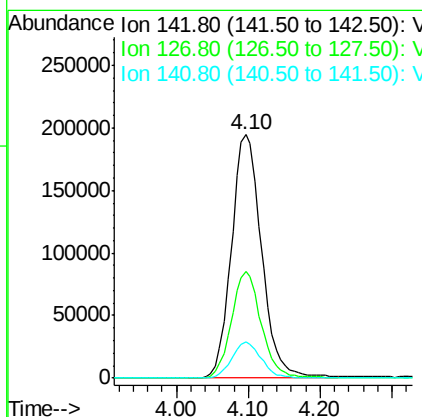
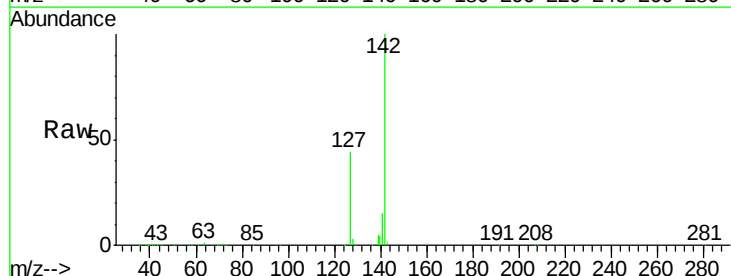
RT: 4.10 min Scan# 387

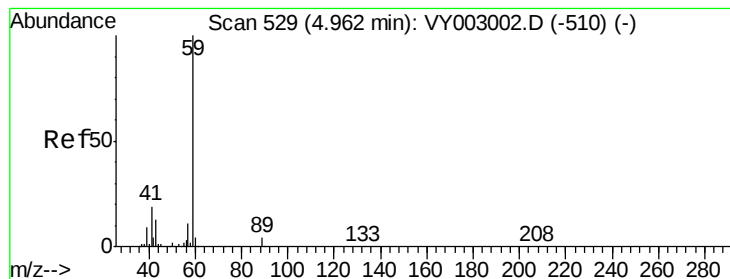
Delta R.T. -0.00 min

Lab File: VY003003.D

Acq: 29 Jun 2020 12:40

Tgt Ion:	142	Resp:	568412
Ion Ratio	Lower	Upper	
142	100		
127	43.3	34.2	51.2
141	14.5	11.7	17.5





#11

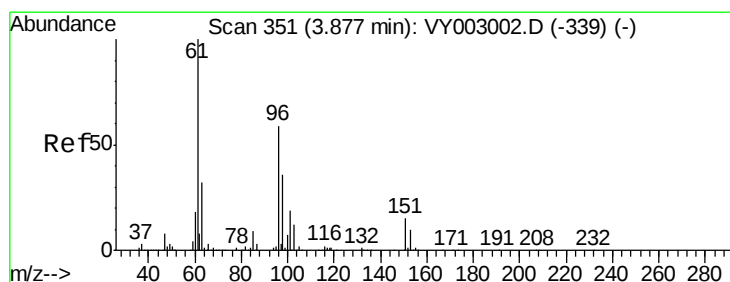
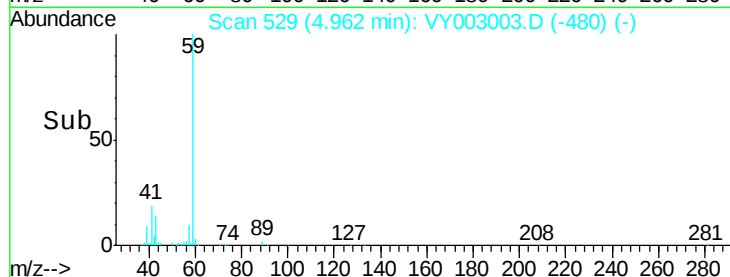
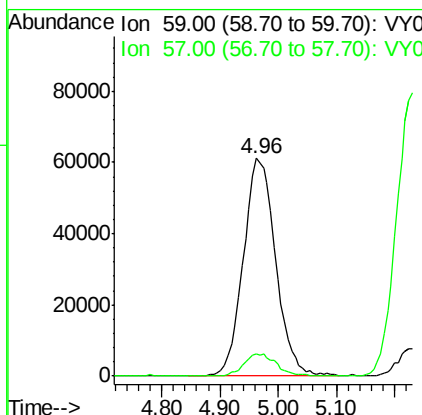
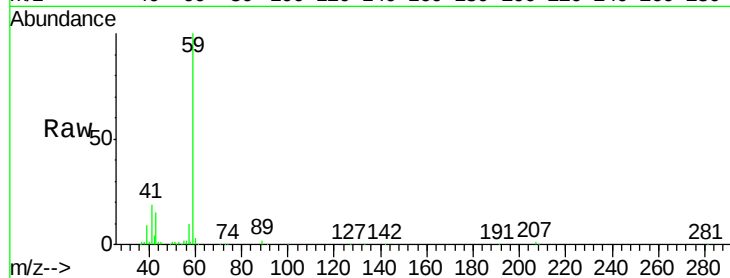
Tert butyl alcohol
 Concen: 501.494 ug/l
 RT: 4.96 min Scan# 529
 Delta R.T. -0.00 min
 Lab File: VY003003.D
 Acq: 29 Jun 2020 12:40

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.0	12.0

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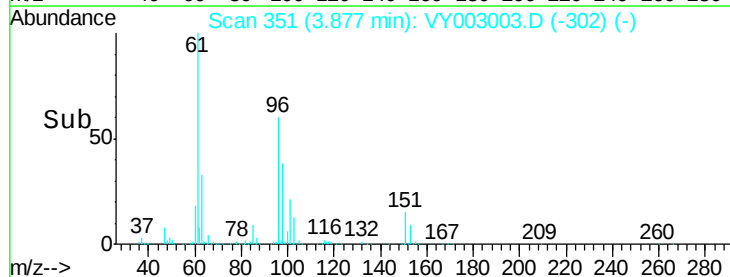
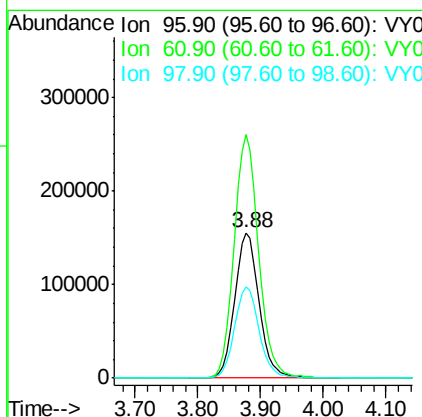
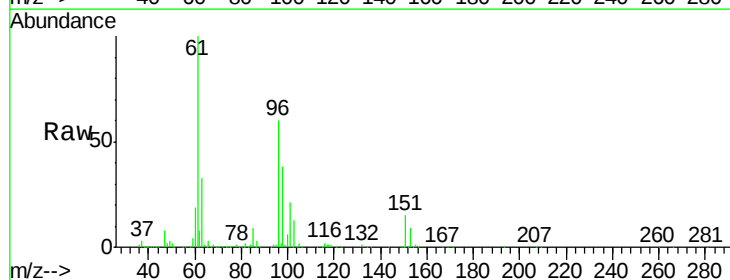
MMDadoda
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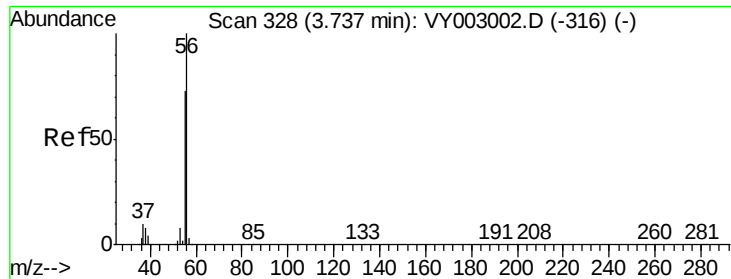


#12

1,1-Dichloroethene
 Concen: 103.709 ug/l
 RT: 3.88 min Scan# 351
 Delta R.T. -0.00 min
 Lab File: VY003003.D
 Acq: 29 Jun 2020 12:40

Tgt Ion	Ratio	Lower	Upper
96	100		
61	167.2	136.7	205.1
98	63.0	49.7	74.5





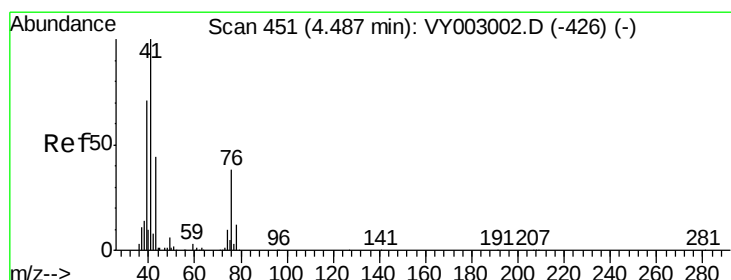
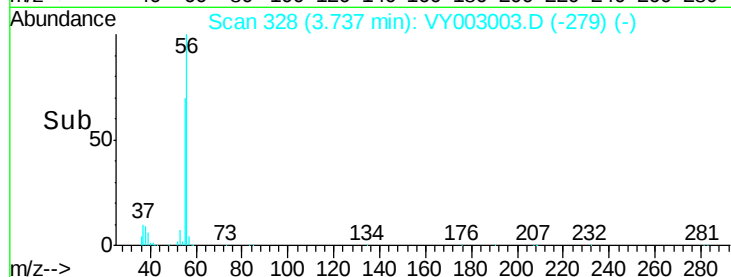
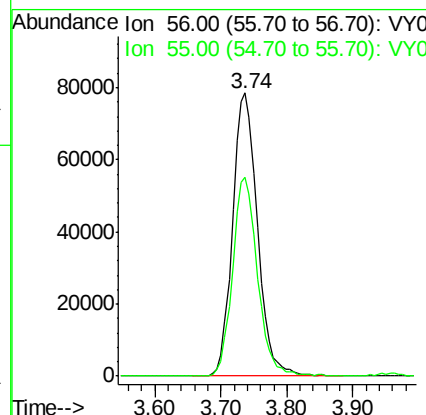
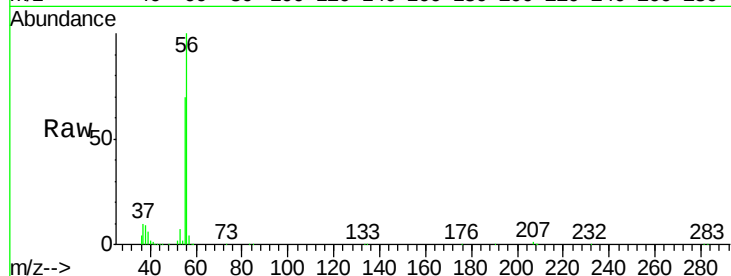
#13
Acrolein
Concen: 484.574 ug/l
RT: 3.74 min Scan# 328
Delta R.T. -0.00 min
Lab File: VY003003.D
Acq: 29 Jun 2020 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	56	Resp	204394
Ion Ratio	100	Lower	Upper
55	70.6	56.4	84.6

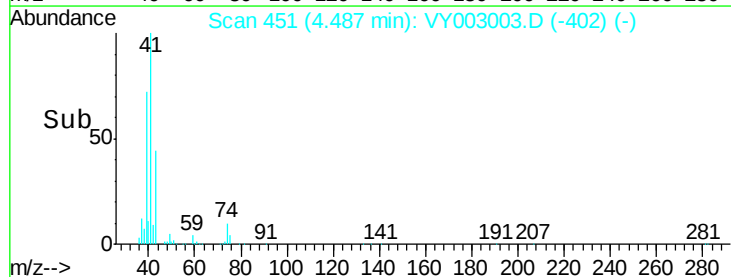
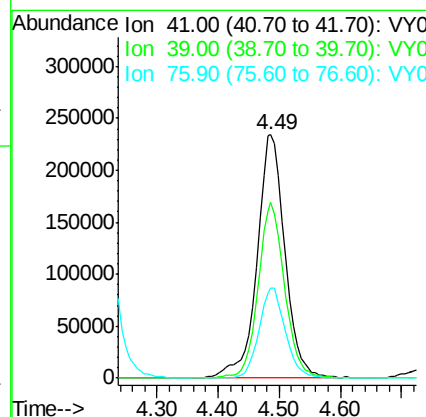
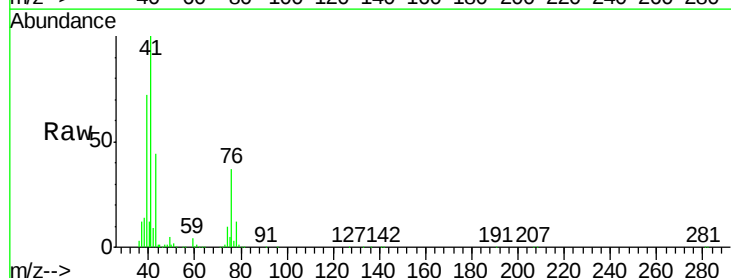
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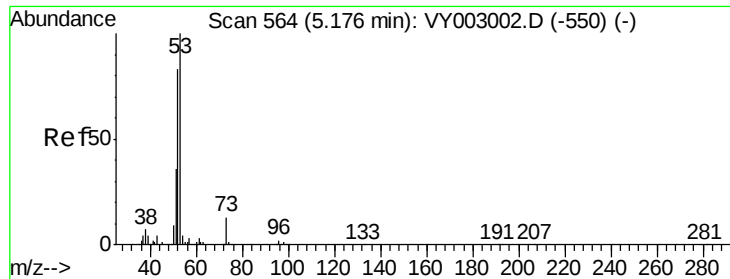
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#14
Allyl chloride
Concen: 106.993 ug/l
RT: 4.49 min Scan# 451
Delta R.T. -0.00 min
Lab File: VY003003.D
Acq: 29 Jun 2020 12:40

Tgt Ion	41	Resp	751834
Ion Ratio	100	Lower	Upper
39	68.5	55.6	83.4
76	34.8	28.6	43.0





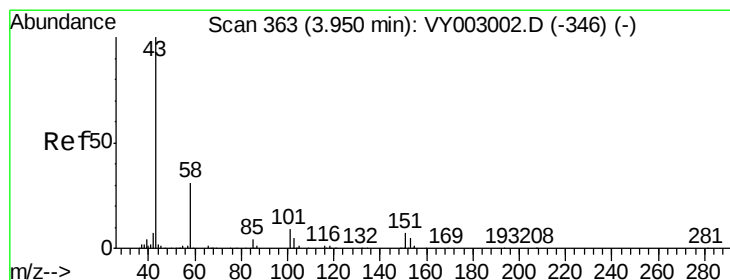
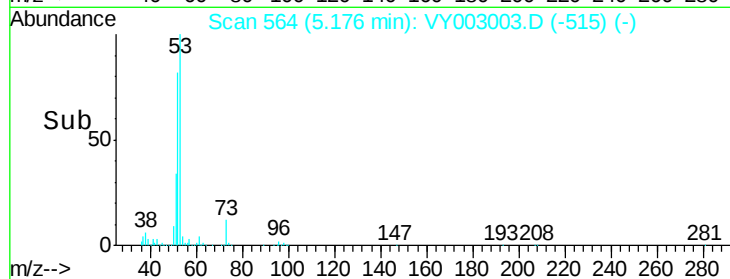
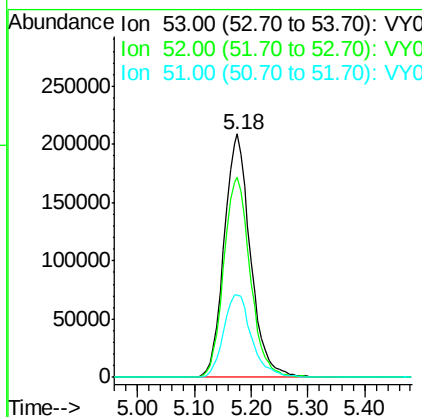
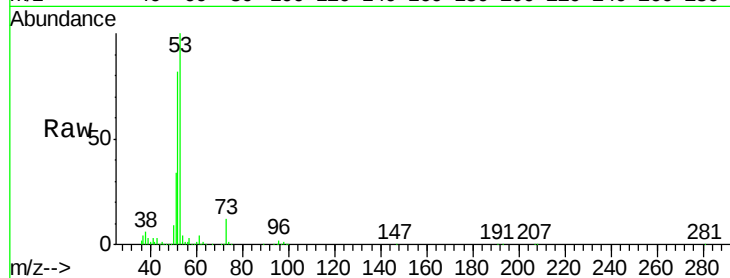
#15
 Acrylonitrile
 Concen: 537.124 ug/l
 RT: 5.18 min Scan# 564
 Delta R.T. -0.00 min
 Lab File: VY003003.D
 Acq: 29 Jun 2020 12:40

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion:	53	Resp:	672301
Ion	Ratio	Lower	Upper
53	100		
52	82.7	66.2	99.2
51	36.5	29.5	44.3

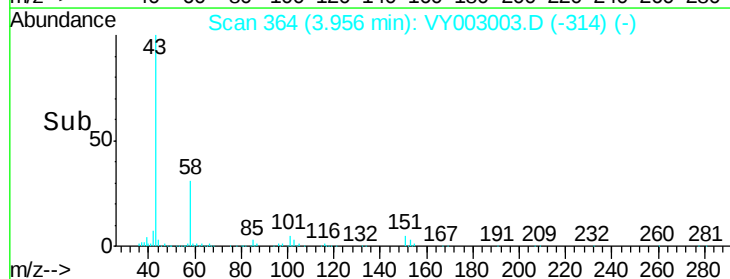
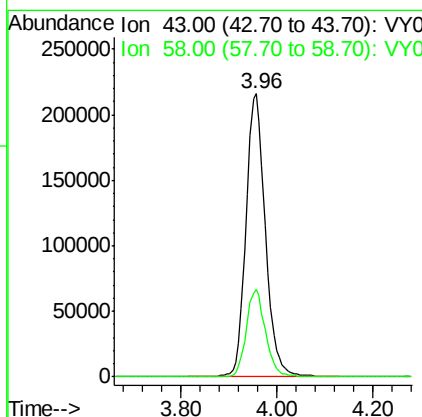
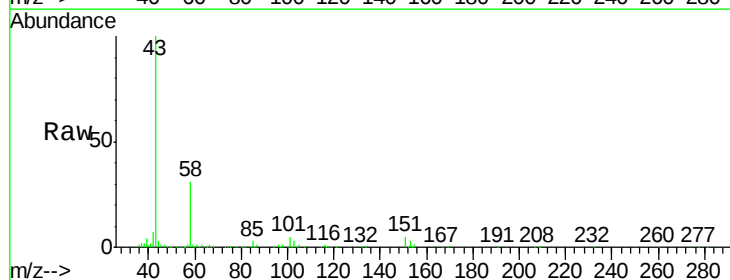
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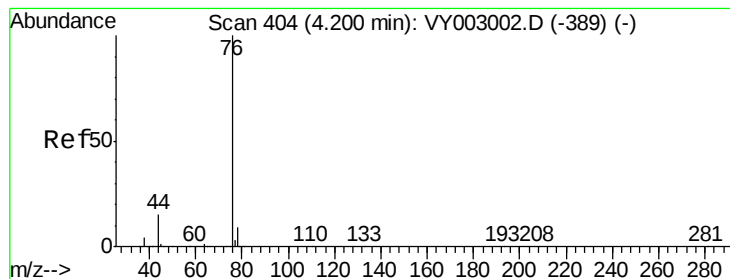
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#16
 Acetone
 Concen: 559.690 ug/l
 RT: 3.96 min Scan# 364
 Delta R.T. 0.01 min
 Lab File: VY003003.D
 Acq: 29 Jun 2020 12:40

Tgt Ion:	43	Resp:	608300
Ion	Ratio	Lower	Upper
43	100		
58	30.8	24.7	37.1





#17

Carbon Disulfide

Concen: 104.046 ug/l

RT: 4.20 min Scan# 404

Delta R.T. -0.00 min

Lab File: VY003003.D

Acq: 29 Jun 2020 12:40

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tot Ion: 76 Resp: 1337934

Ion Ratio Lower Upper

76 100

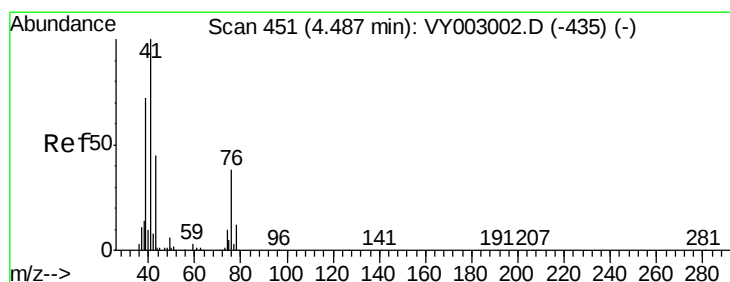
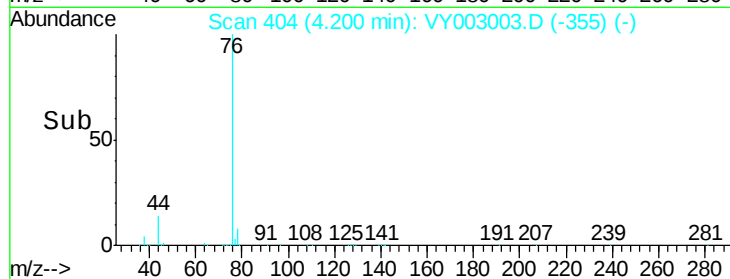
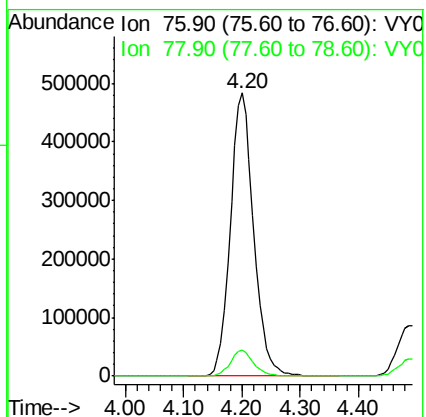
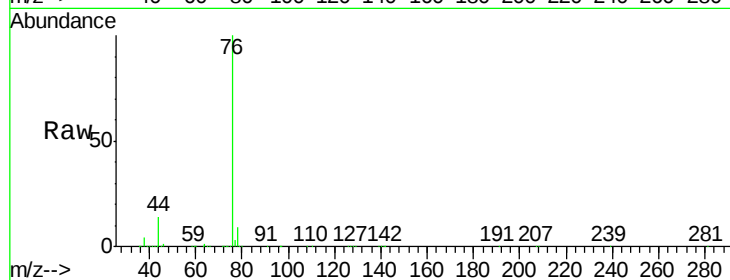
78 9.2 7.0 10.6

Manual Integrations

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#18

Methyl Acetate

Concen: 105.171 ug/l

RT: 4.48 min Scan# 450

Delta R.T. -0.01 min

Lab File: VY003003.D

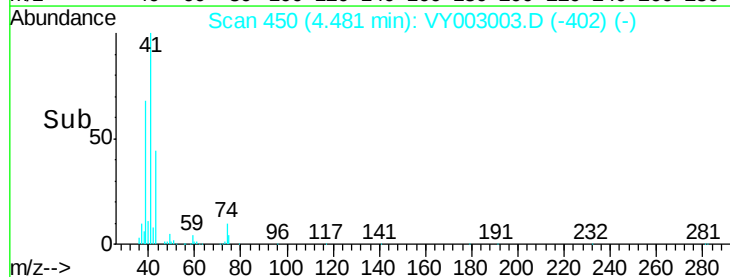
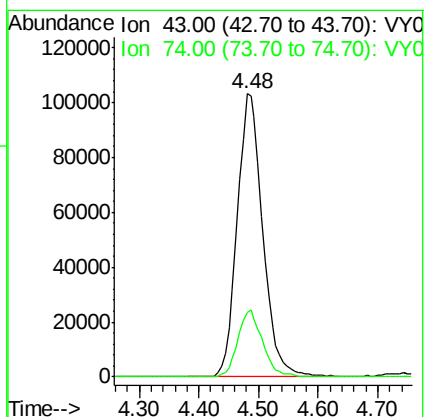
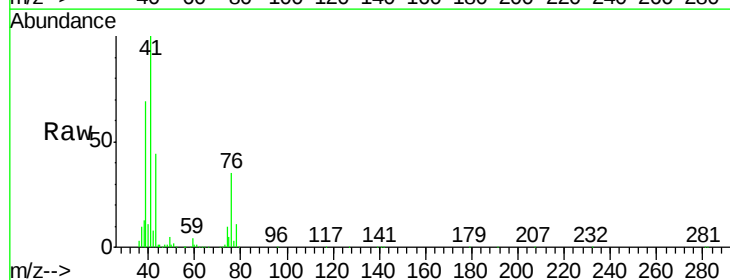
Acq: 29 Jun 2020 12:40

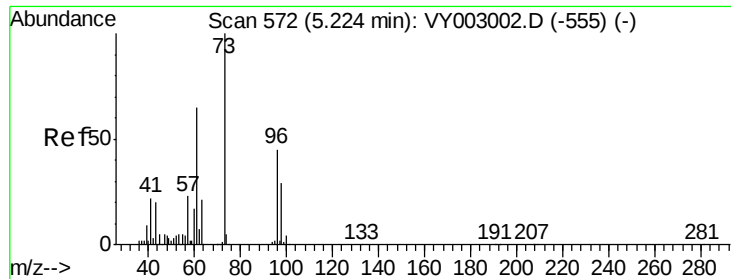
Tgt Ion: 43 Resp: 307955

Ion Ratio Lower Upper

43 100

74 22.9 18.2 27.4





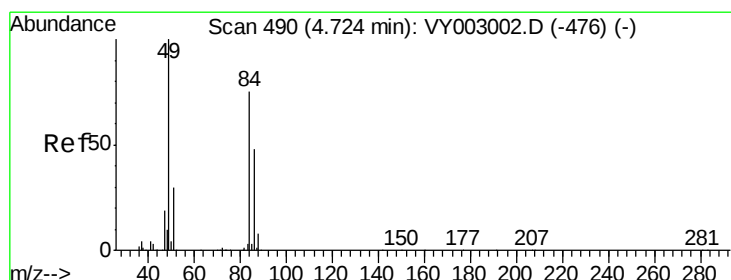
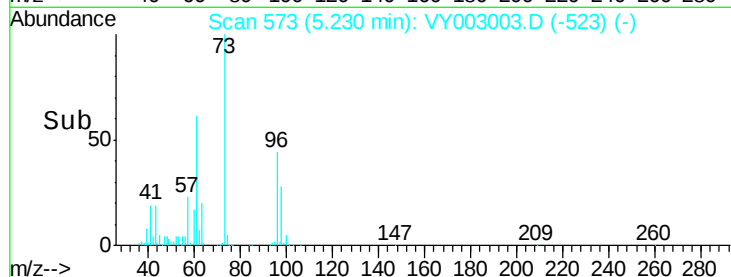
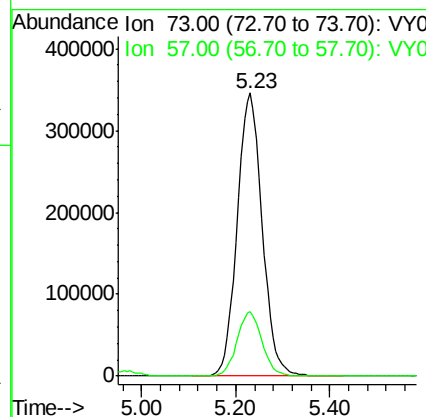
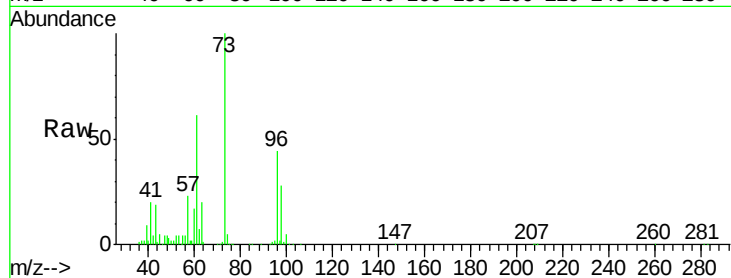
#19
Methvl tert-butvl Ether
Concen: 108.376 ug/l
RT: 5.23 min Scan# 573
Delta R.T. 0.01 min
Lab File: VY003003.D
Acq: 29 Jun 2020 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion: 73 Resp: 1271421
Ion Ratio Lower Upper
73 100
57 23.0 18.2 27.2

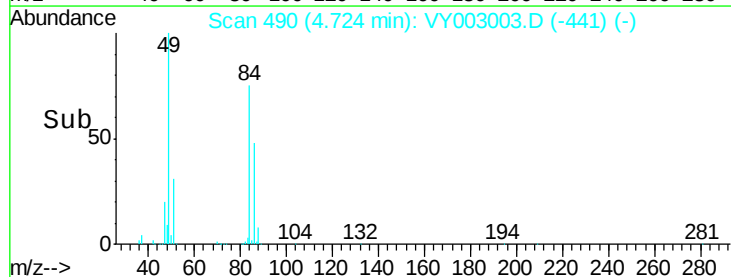
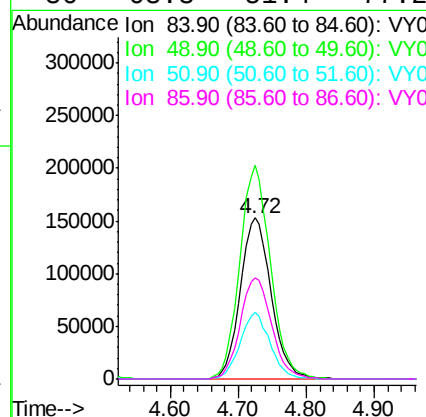
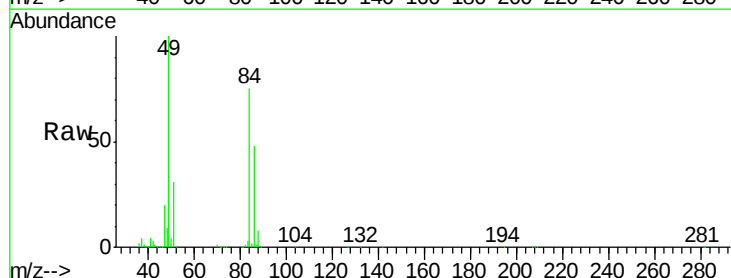
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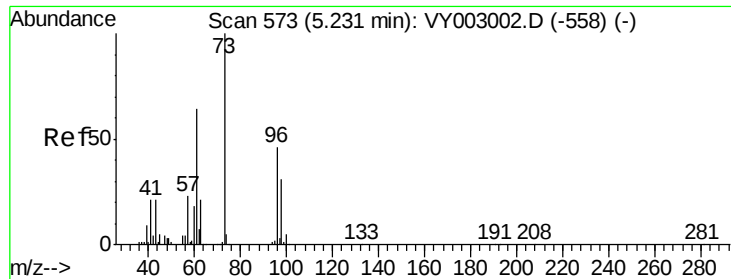
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#20
Methylene Chloride
Concen: 79.539 ug/l
RT: 4.72 min Scan# 490
Delta R.T. -0.00 min
Lab File: VY003003.D
Acq: 29 Jun 2020 12:40

Tgt Ion: 84 Resp: 482499
Ion Ratio Lower Upper
84 100
49 132.8 106.8 160.2
51 41.1 32.0 48.0
86 63.3 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 103.756 ug/l

RT: 5.23 min Scan# 573

Delta R.T. -0.00 min

Lab File: VY003003.D

Acq: 29 Jun 2020 12:40

Instrument :

MSVOA_Y

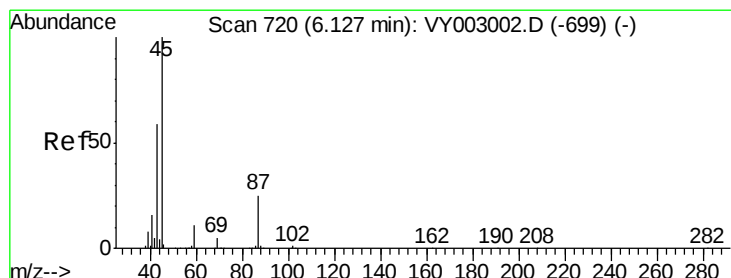
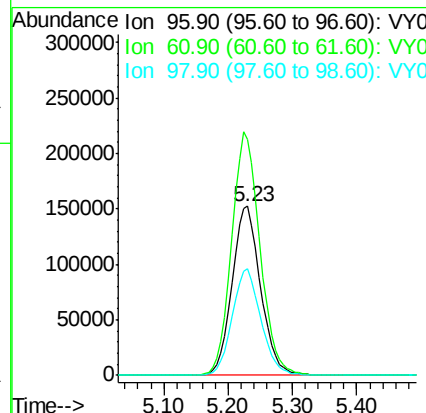
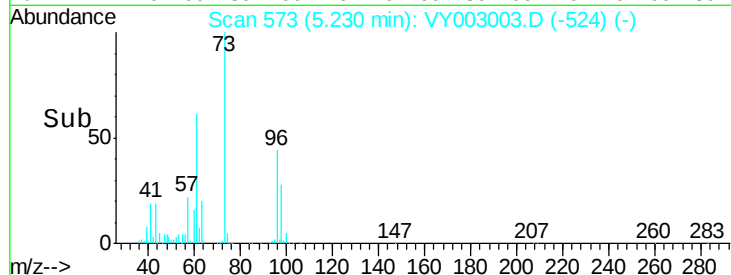
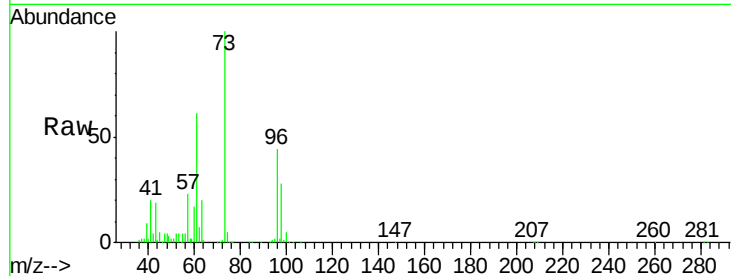
ClientSampled :

VSTDIC100

Tot Ion:	96	Resp:	472351
Ion Ratio	Lower	Upper	
96	100		
61	139.3	112.3	168.5
98	63.1	53.8	80.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 106.598 ug/l

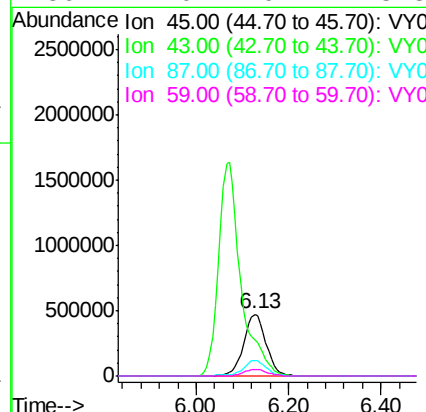
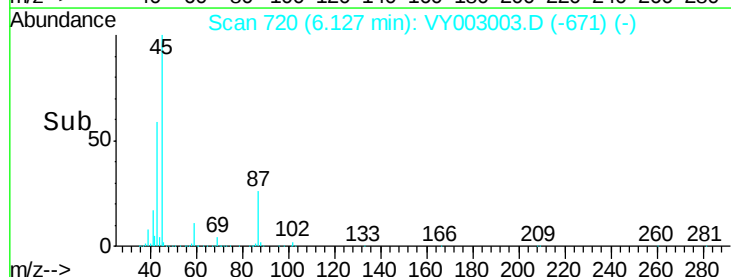
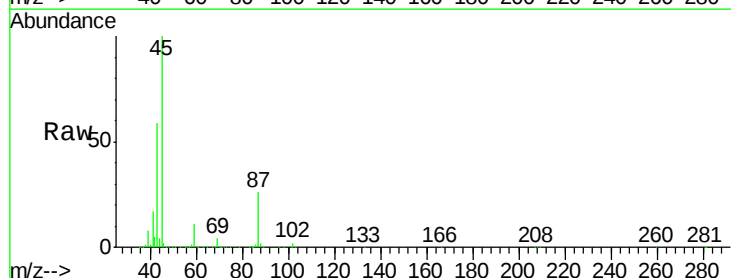
RT: 6.13 min Scan# 720

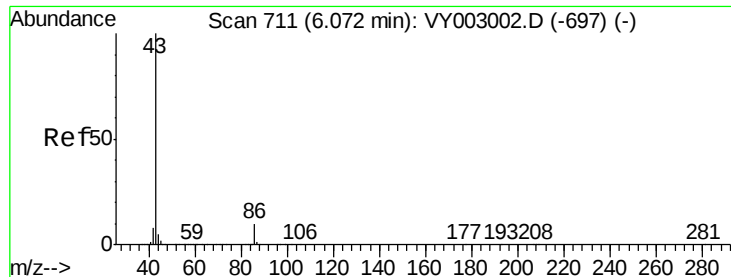
Delta R.T. -0.00 min

Lab File: VY003003.D

Acq: 29 Jun 2020 12:40

Tgt Ion:	45	Resp:	1605463
Ion Ratio	Lower	Upper	
45	100		
43	58.6	47.4	71.2
87	25.6	20.2	30.2
59	11.0	9.2	13.8





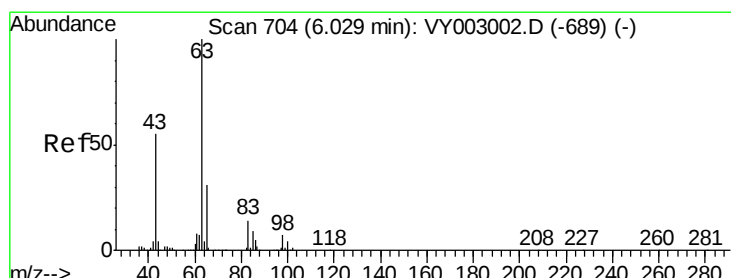
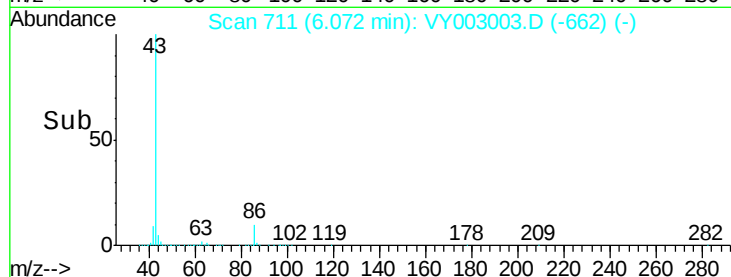
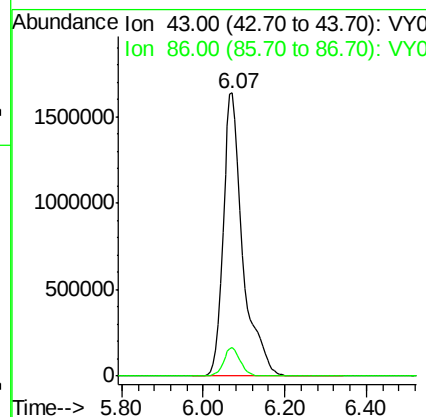
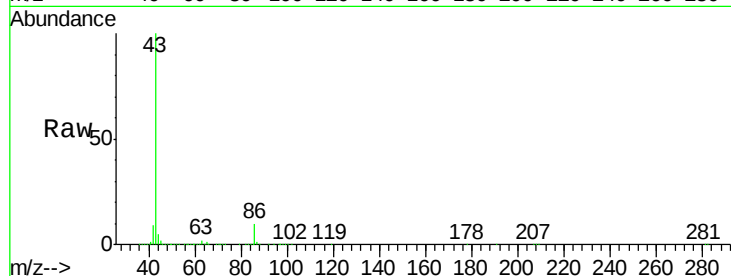
#23
 Vinyl Acetate
 Concen: 547.831 ug/l
 RT: 6.07 min Scan# 711
 Delta R.T. -0.00 min
 Lab File: VY003003.D
 Acq: 29 Jun 2020 12:40

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion: 43 Resp: 5516262
 Ion Ratio Lower Upper
 43 100
 86 9.9 8.1 12.1

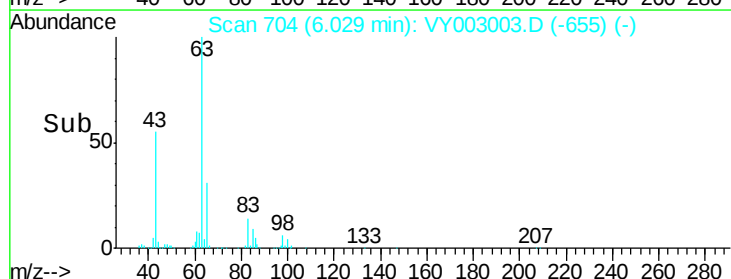
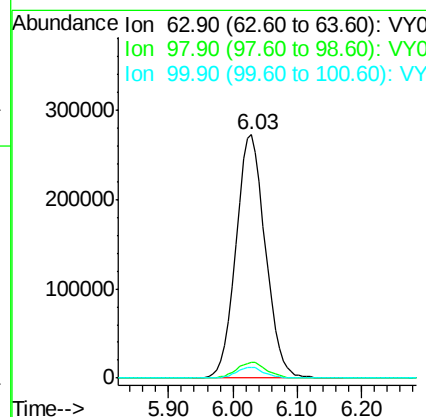
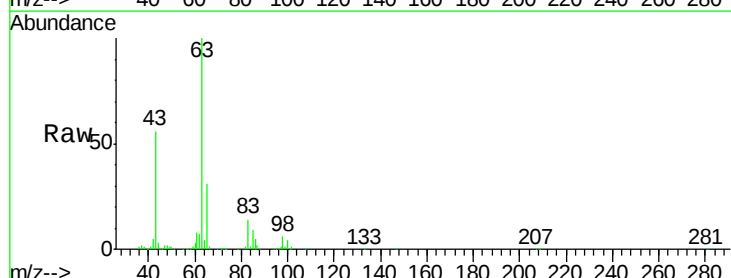
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#24
 1,1-Dichloroethane
 Concen: 104.977 ug/l
 RT: 6.03 min Scan# 704
 Delta R.T. -0.00 min
 Lab File: VY003003.D
 Acq: 29 Jun 2020 12:40

Tgt Ion: 63 Resp: 863660
 Ion Ratio Lower Upper
 63 100
 98 6.5 3.4 10.1
 100 4.5 2.3 6.8





#25

2-Butanone

Concen: 549.075 ug/l

RT: 7.00 min Scan# 863

Delta R.T. 0.01 min

Lab File: VY003003.D

Acq: 29 Jun 2020 12:40

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 947962

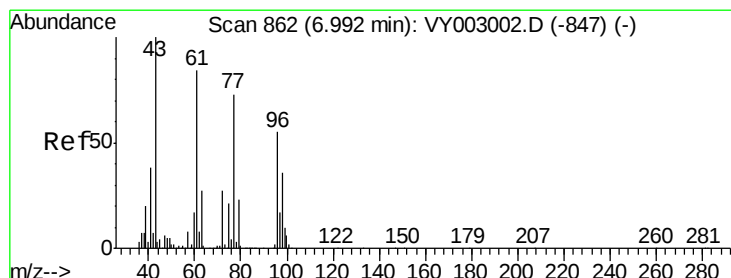
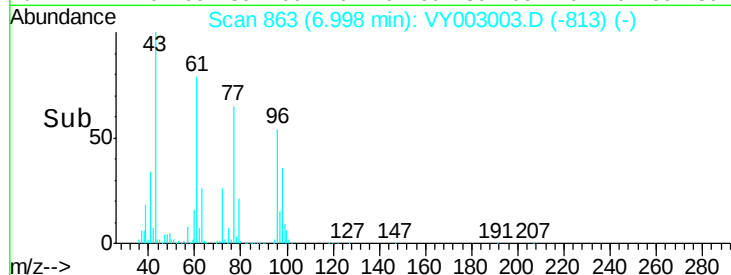
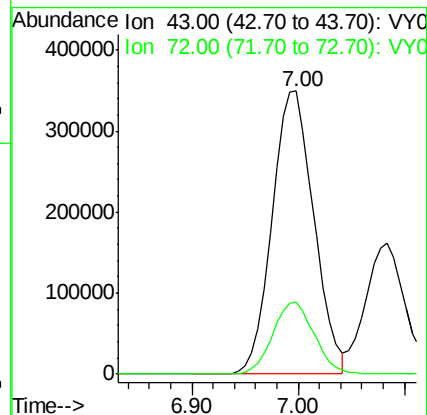
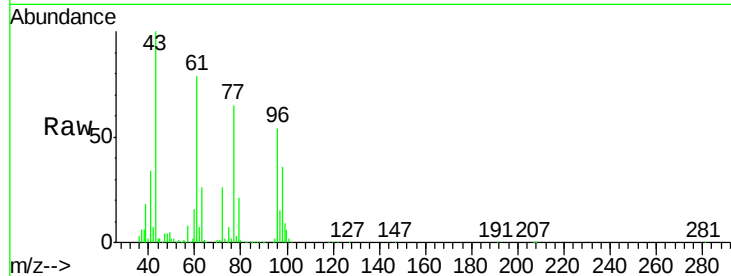
Ion Ratio Lower Upper

43 100

72 25.6 21.4 32.0

Manual Integrations
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MMDadoda
6/30/2020 12:54:10 PM



#26

2,2-Dichloropropane

Concen: 101.869 ug/l

RT: 6.99 min Scan# 861

Delta R.T. -0.01 min

Lab File: VY003003.D

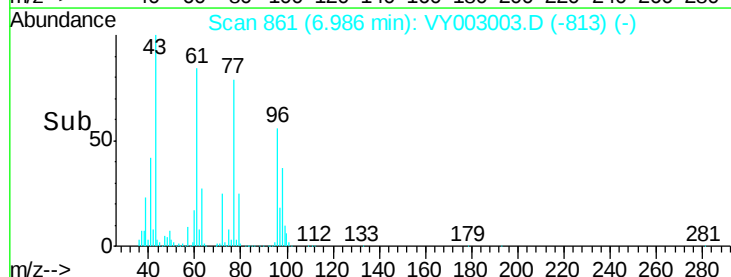
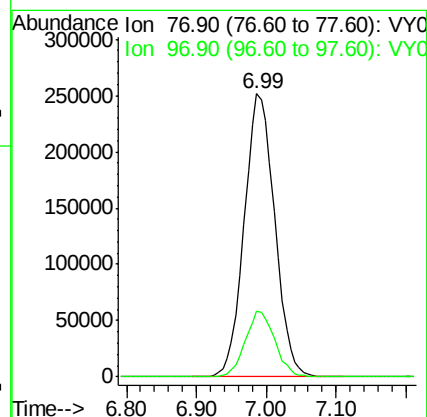
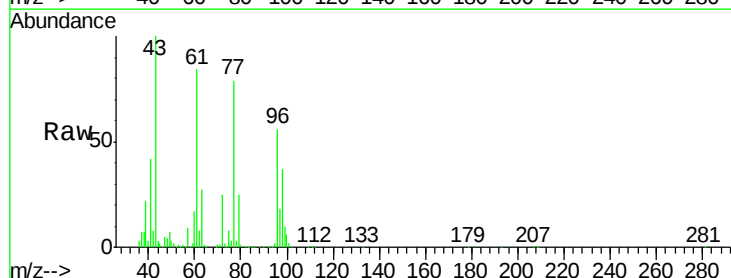
Acq: 29 Jun 2020 12:40

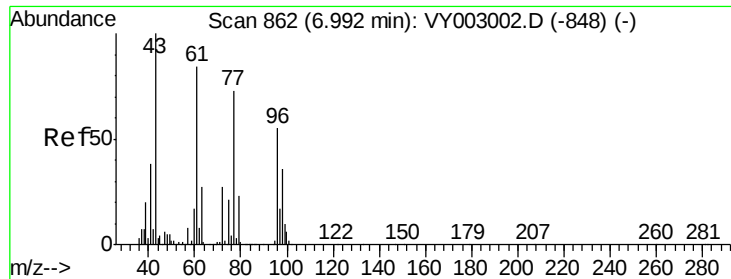
Tgt Ion: 77 Resp: 761450

Ion Ratio Lower Upper

77 100

97 22.4 11.3 33.9





#27

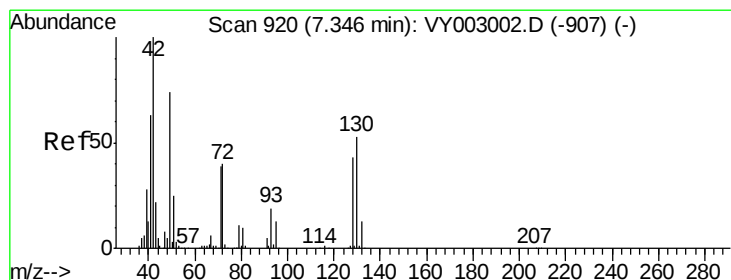
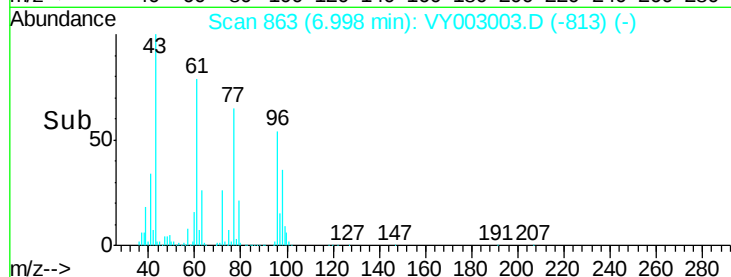
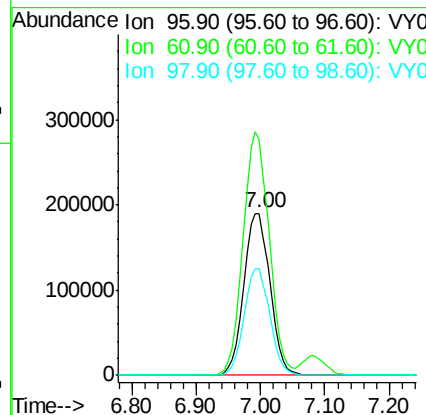
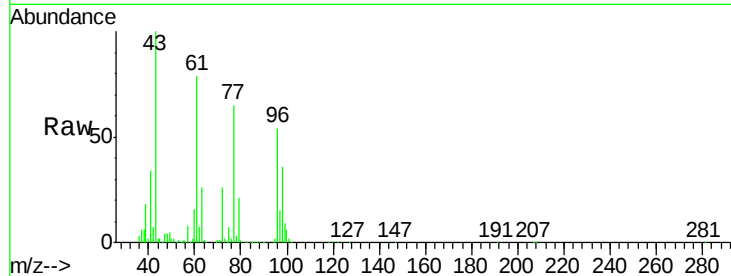
cis-1,2-Dichloroethene
Concen: 104.064 ug/l
RT: 7.00 min Scan# 863
Delta R.T. 0.01 min
Lab File: VY003003.D
Acq: 29 Jun 2020 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
96	100		
61	150.4	0.0	301.2
98	64.8	0.0	129.0

Manual Integrations
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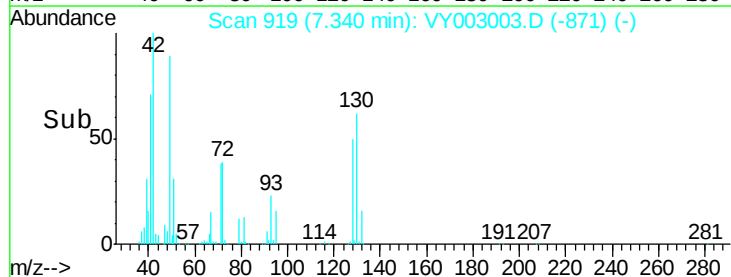
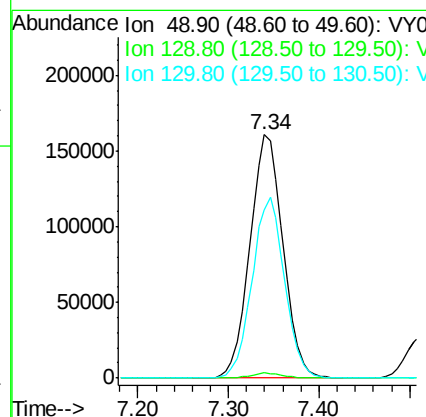
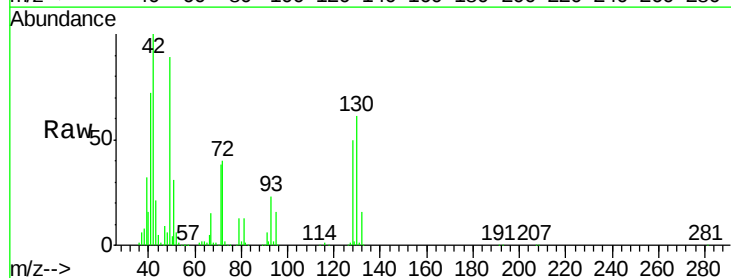
MMDadoda
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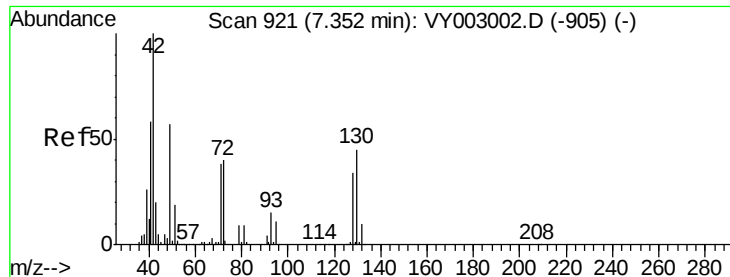


#28

Bromochloromethane
Concen: 110.818 ug/l
RT: 7.34 min Scan# 919
Delta R.T. -0.01 min
Lab File: VY003003.D
Acq: 29 Jun 2020 12:40

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.4
130	72.9	57.0	85.6





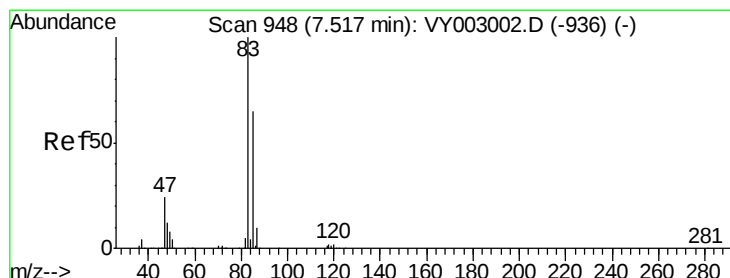
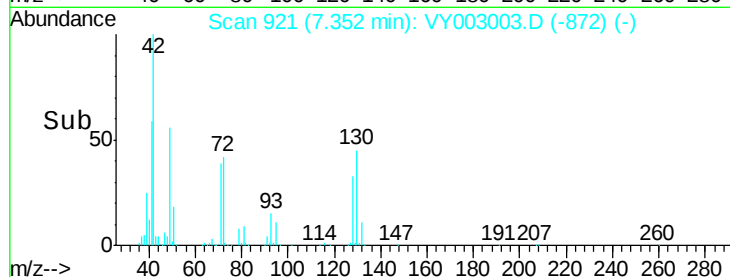
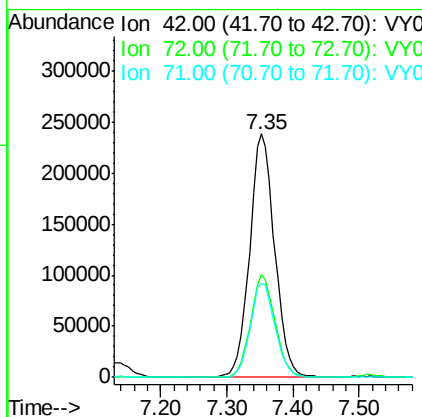
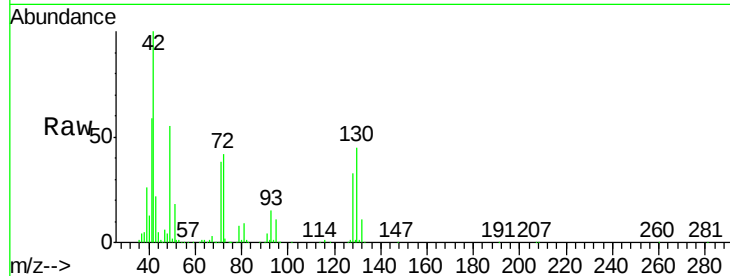
#29
Tetrahydrofuran
Concen: 546.150 ug/l
RT: 7.35 min Scan# 921
Delta R.T. -0.00 min
Lab File: VY003003.D
Acq: 29 Jun 2020 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.1	32.9	49.3
71	38.5	31.2	46.8

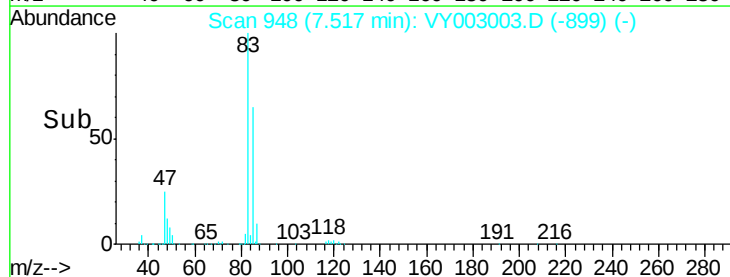
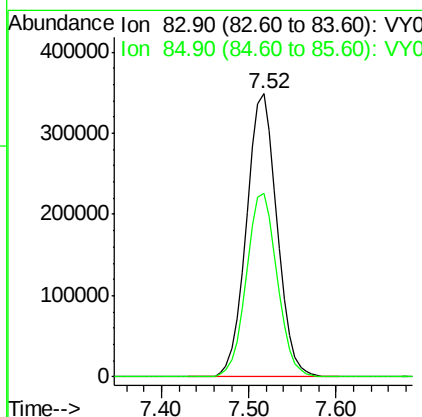
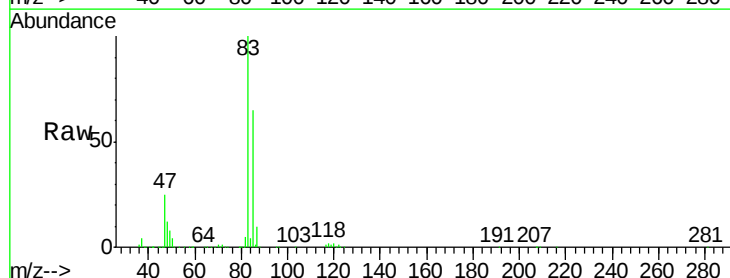
Manual Integrations
APPROVED

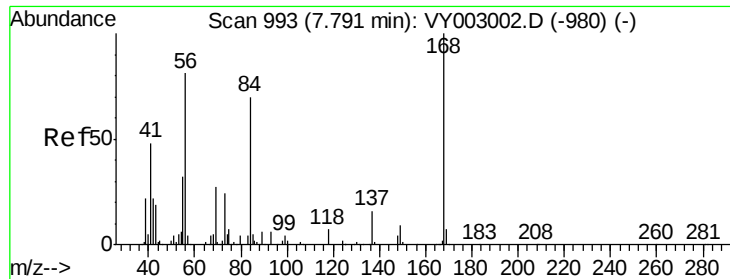
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#30
Chloroform
Concen: 103.741 ug/l
RT: 7.52 min Scan# 948
Delta R.T. -0.00 min
Lab File: VY003003.D
Acq: 29 Jun 2020 12:40

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.7	77.5





#31

Cvclohexane

Concen: 98.659 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.00 min

Lab File: VY003003.D

Acq: 29 Jun 2020 12:40

Instrument :

MSVOA_Y

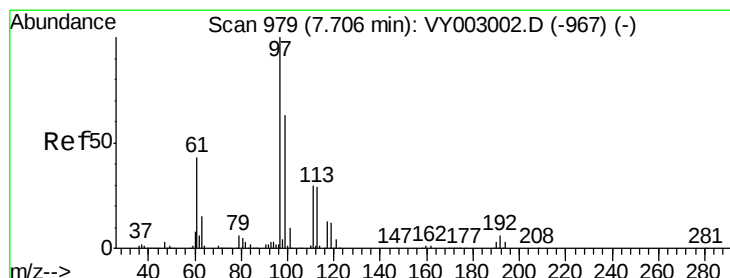
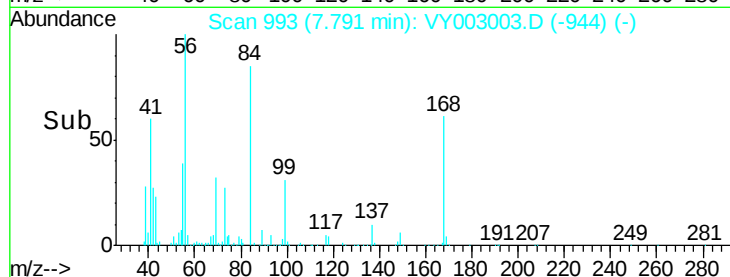
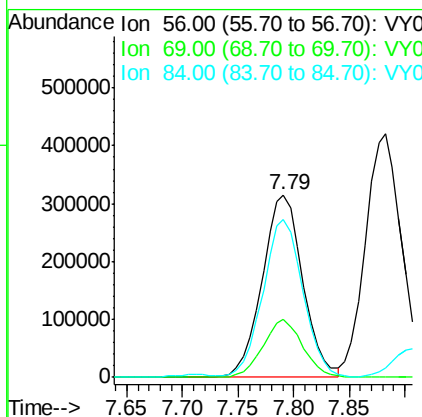
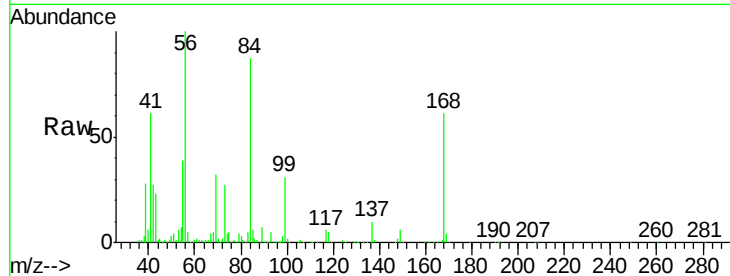
ClientSampleId :

VSTDIC100

Tot Ion:	56	Resp:	799621
Ion Ratio	Lower	Upper	
56	100		
69	32.0	27.0	40.4
84	85.1	68.1	102.1

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 104.587 ug/l

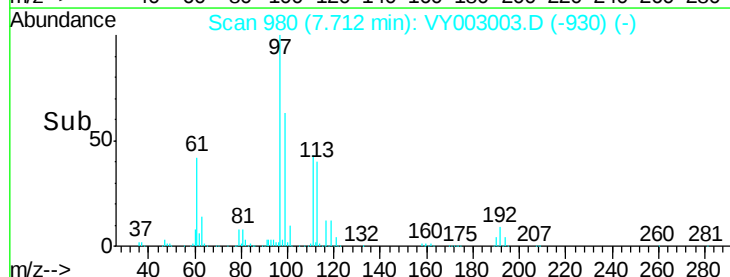
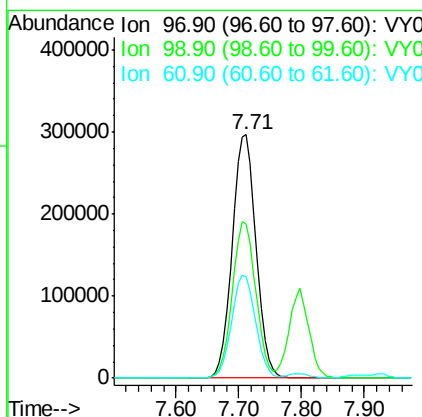
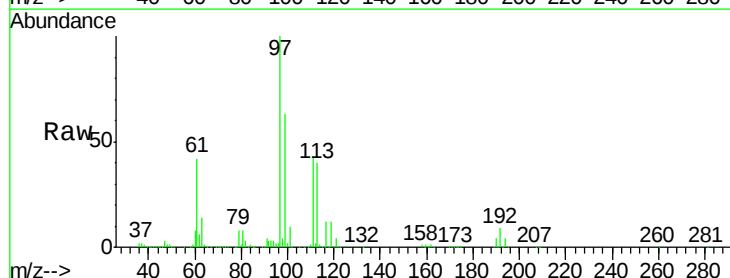
RT: 7.71 min Scan# 980

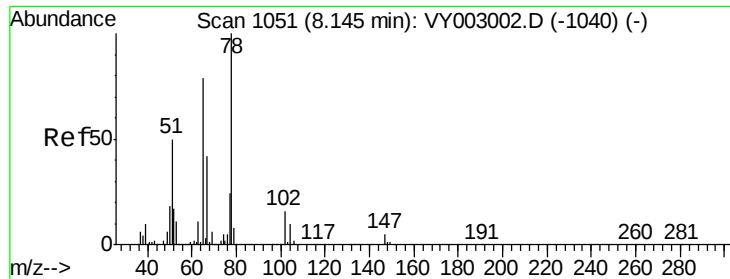
Delta R.T. 0.01 min

Lab File: VY003003.D

Acq: 29 Jun 2020 12:40

Tgt Ion:	97	Resp:	778098
Ion Ratio	Lower	Upper	
97	100		
99	63.3	51.4	77.2
61	42.5	33.9	50.9





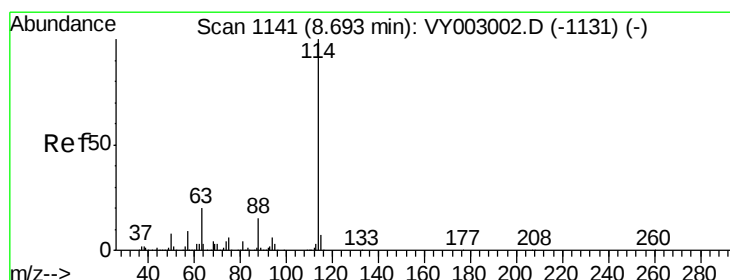
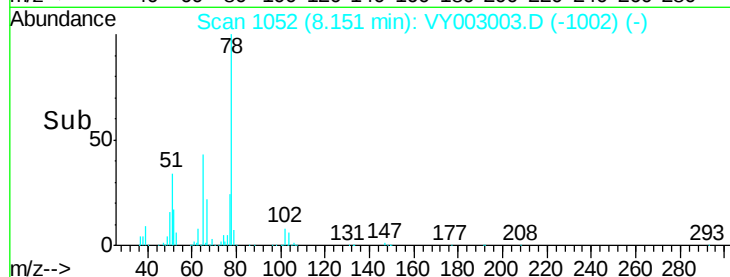
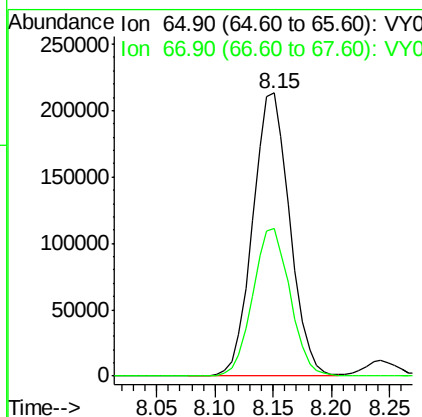
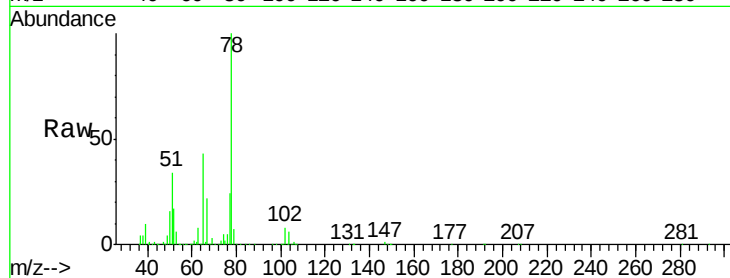
#33
 1,2-Dichloroethane-d4
 Concen: 102.537 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. 0.01 min
 Lab File: VY003003.D
 Acq: 29 Jun 2020 12:40

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
65	100	472521		
67	52.5	0.0	105.6	

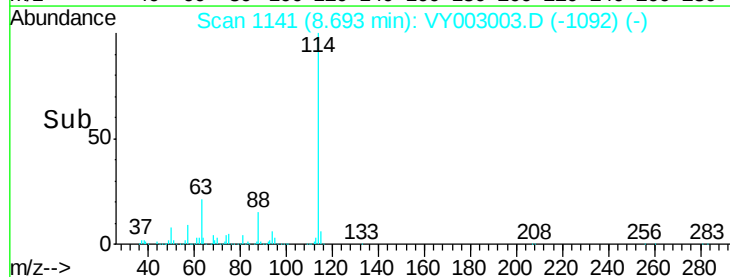
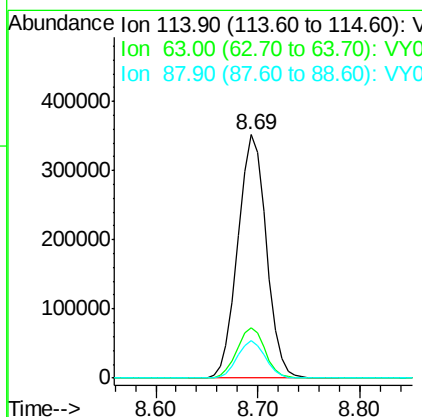
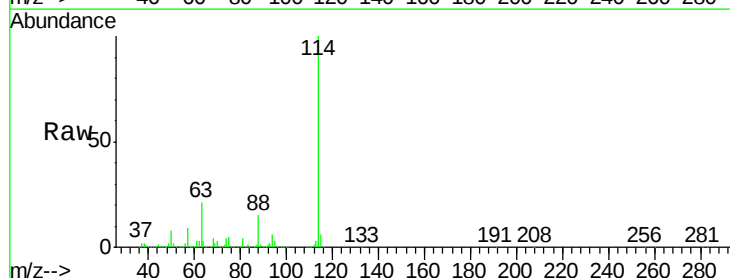
Manual Integrations
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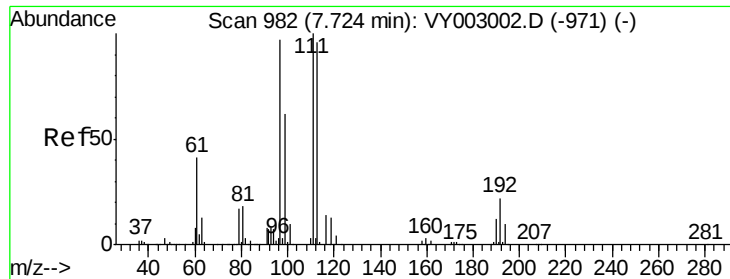
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.00 min
 Lab File: VY003003.D
 Acq: 29 Jun 2020 12:40

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	680637		
63	20.9	0.0	40.6	
88	15.2	0.0	30.0	





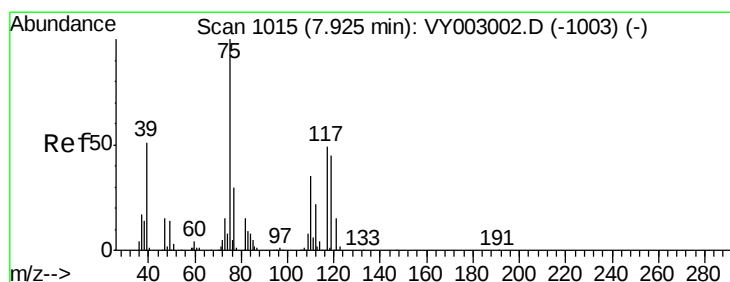
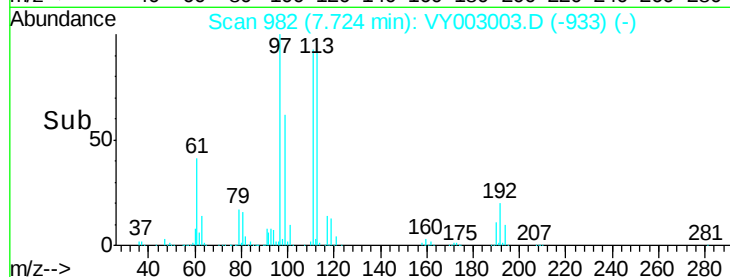
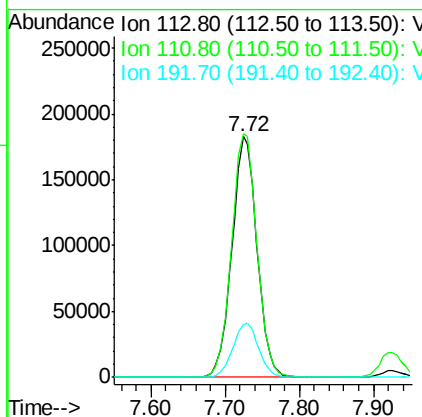
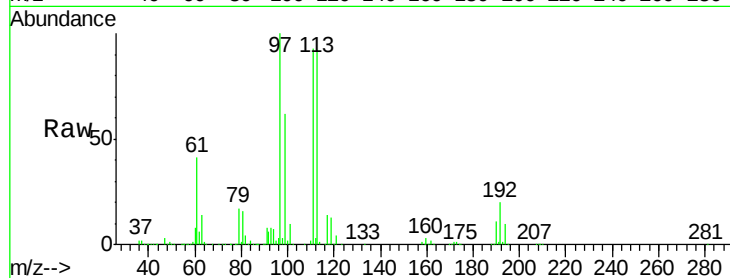
#35
Dibromofluoromethane
Concen: 101.419 ug/l
RT: 7.72 min Scan# 982
Delta R.T. -0.00 min
Lab File: VY003003.D
Acq: 29 Jun 2020 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
113	100	430618		
111	102.5	82.6	123.8	
192	23.0	18.1	27.1	

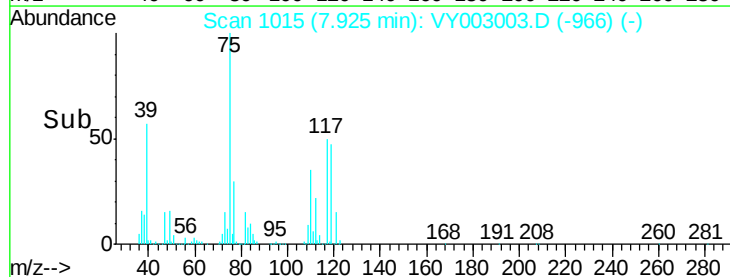
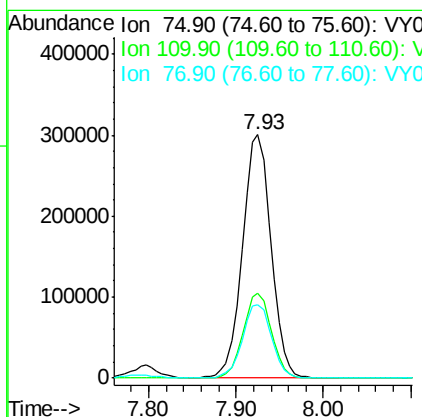
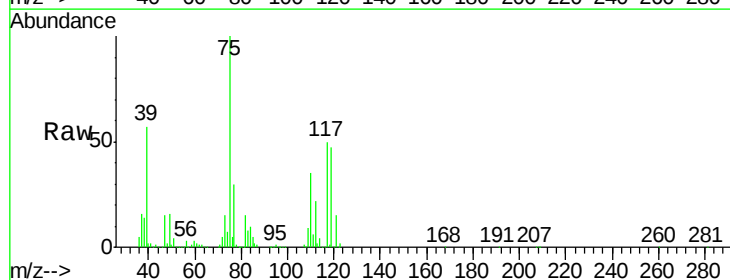
Manual Integrations
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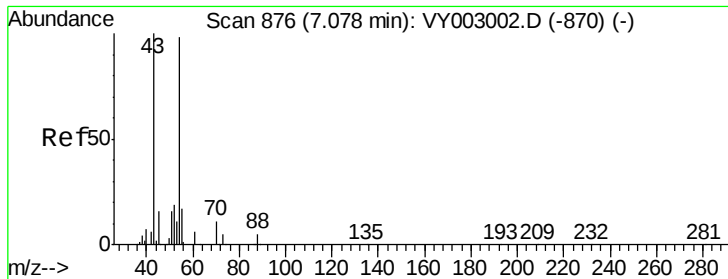
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#36
1,1-Dichloropropene
Concen: 103.945 ug/l
RT: 7.93 min Scan# 1015
Delta R.T. -0.00 min
Lab File: VY003003.D
Acq: 29 Jun 2020 12:40

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	681483		
110	34.3	17.1	51.2	
77	31.0	24.9	37.3	





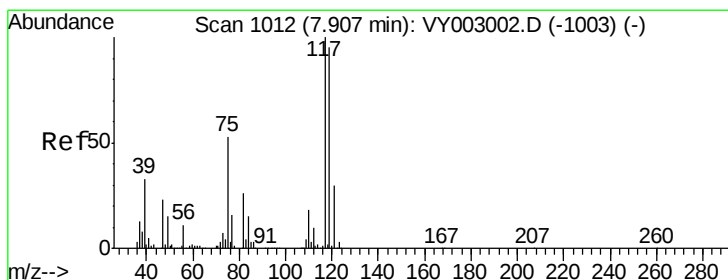
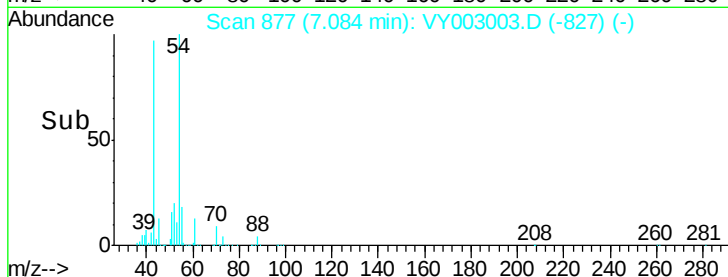
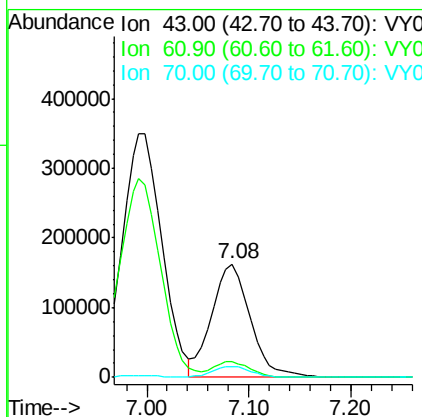
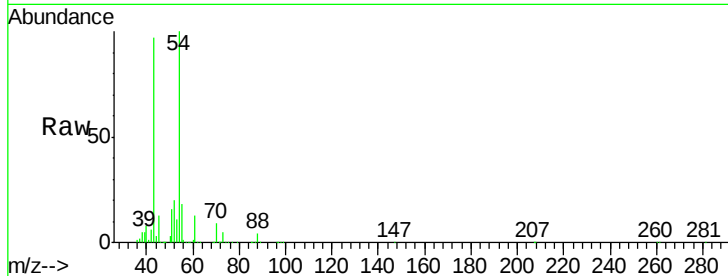
#37
Ethyl Acetate
Concen: 108.747 ug/l
RT: 7.08 min Scan# 877
Delta R.T. 0.01 min
Lab File: VY003003.D
Acq: 29 Jun 2020 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.2	10.4	15.6
70	9.7	7.7	11.5

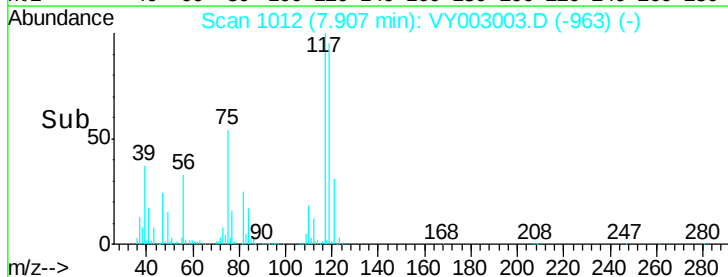
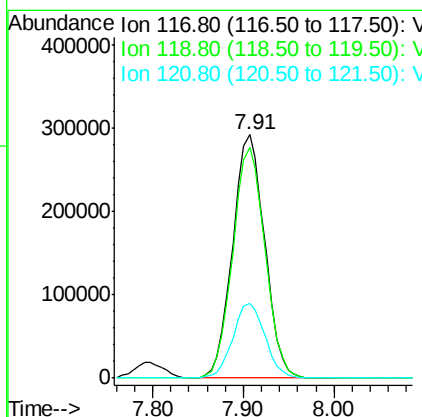
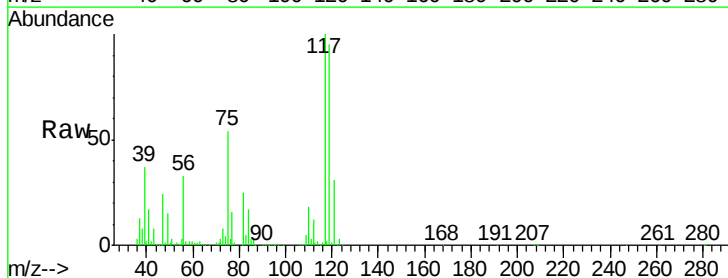
Manual Integrations
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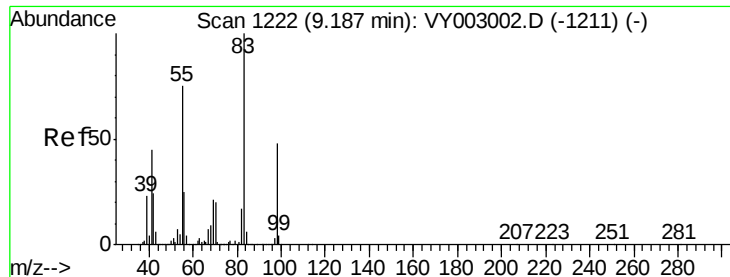
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#38
Carbon Tetrachloride
Concen: 105.153 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VY003003.D
Acq: 29 Jun 2020 12:40

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.0	75.7	113.5
121	30.6	23.9	35.9





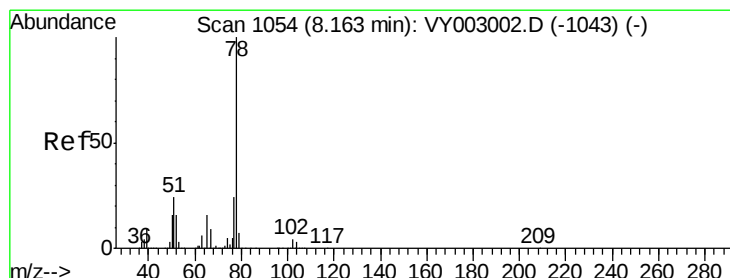
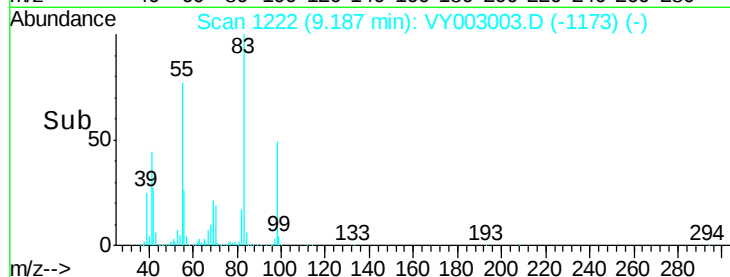
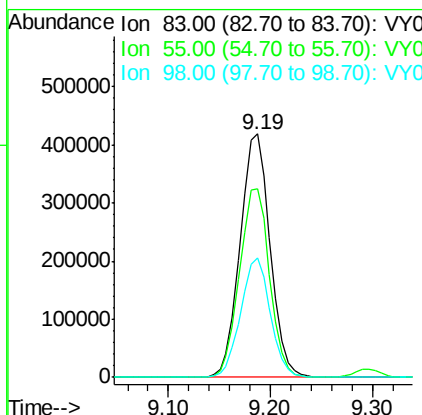
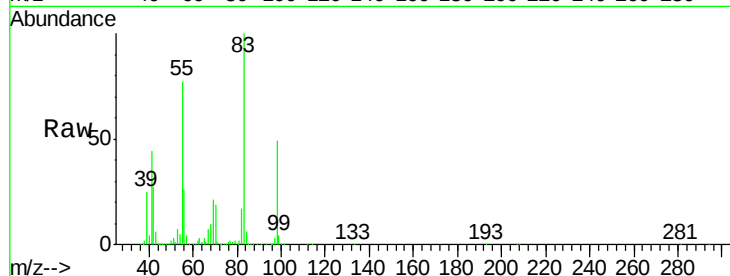
#39
Methvlcvclohexane
Concen: 105.276 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.00 min
Lab File: VY003003.D
Acq: 29 Jun 2020 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.2	59.9	89.9
98	49.0	38.7	58.1

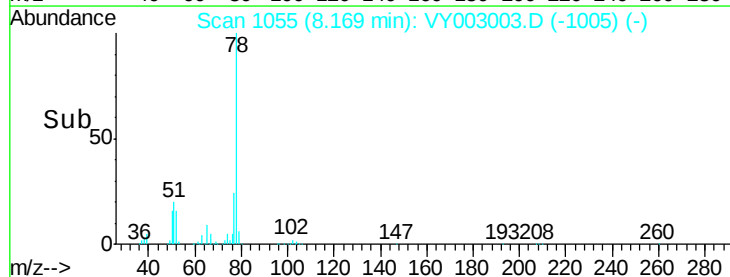
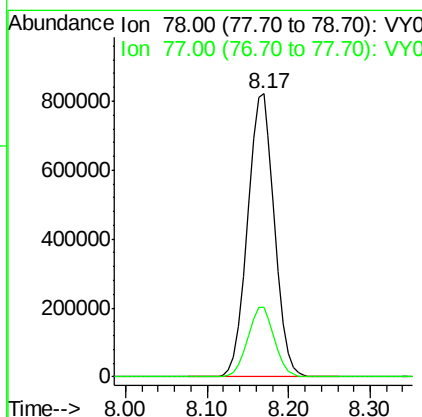
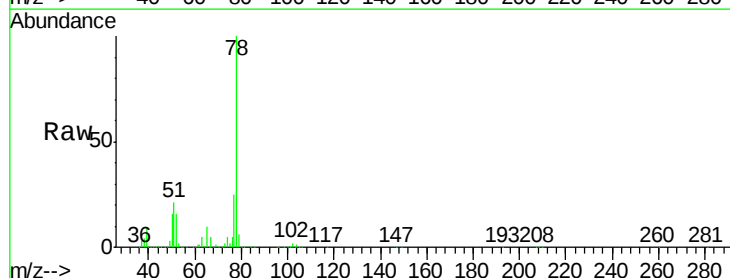
Manual Integrations
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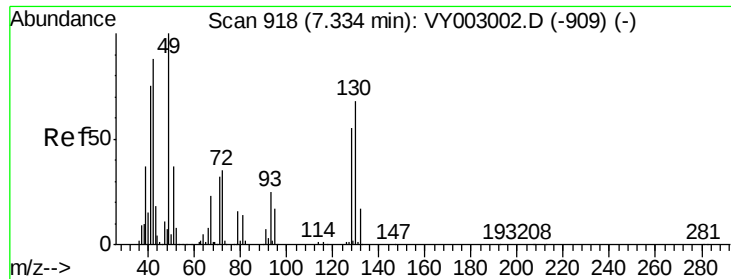
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#40
Benzene
Concen: 104.576 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. 0.01 min
Lab File: VY003003.D
Acq: 29 Jun 2020 12:40

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.2	28.8





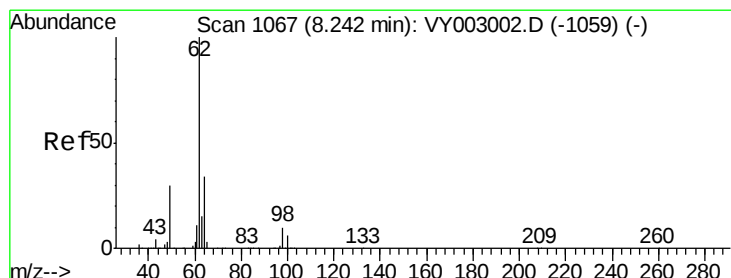
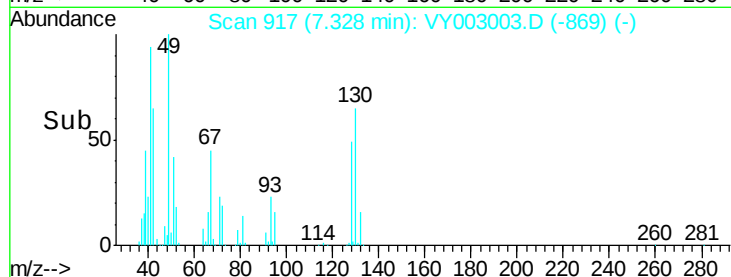
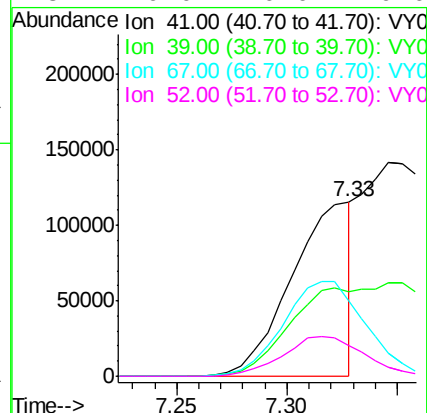
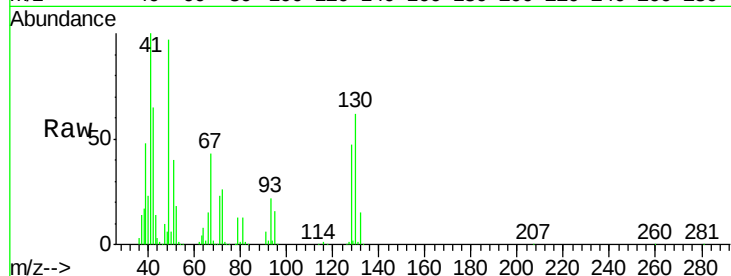
#41
Methacrylonitrile
Concen: 45.489 ug/l m
RT: 7.33 min Scan# 917
Delta R.T. -0.01 min
Lab File: VY003003.D
Acq: 29 Jun 2020 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tot Ion	41	Resp	219936
Ion	Ratio	Lower	Upper
41	100		
39	0.0	85.7	128.5#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

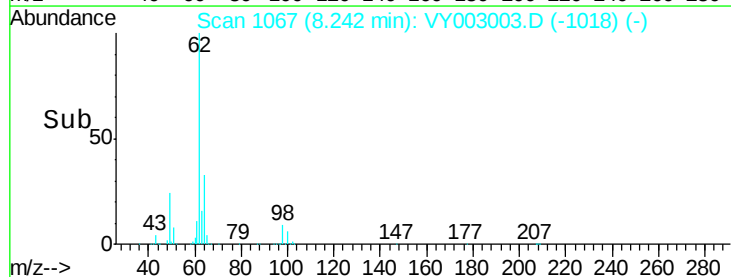
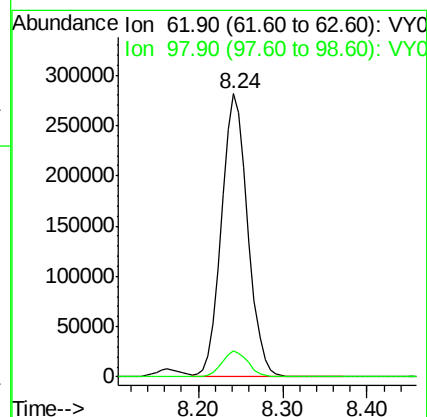
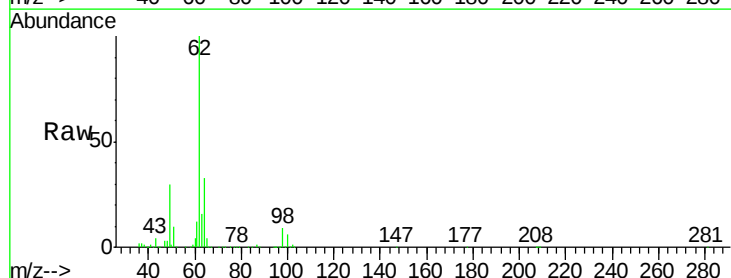
Manual Integrations
APPROVED

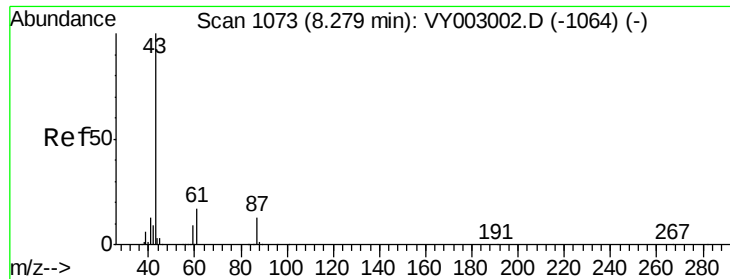
MMDadoda
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#42
1,2-Dichloroethane
Concen: 106.360 ug/l
RT: 8.24 min Scan# 1067
Delta R.T. -0.00 min
Lab File: VY003003.D
Acq: 29 Jun 2020 12:40

Tgt Ion	62	Resp	603940
Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	19.2





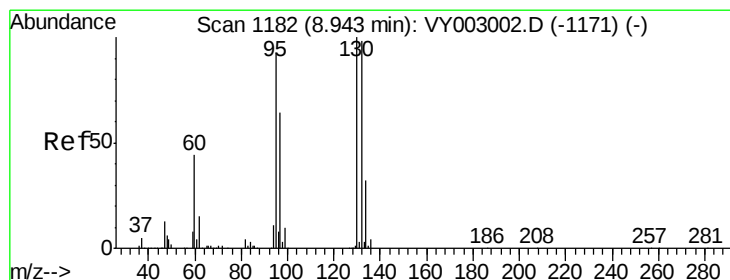
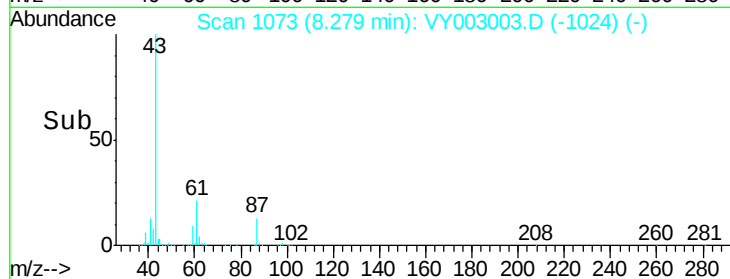
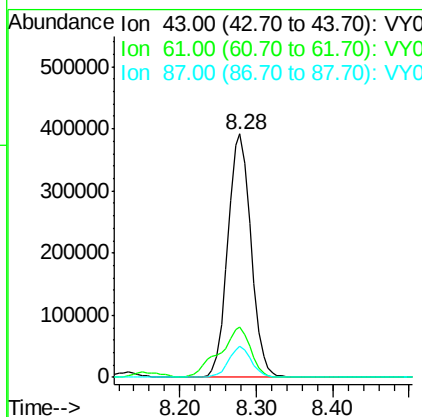
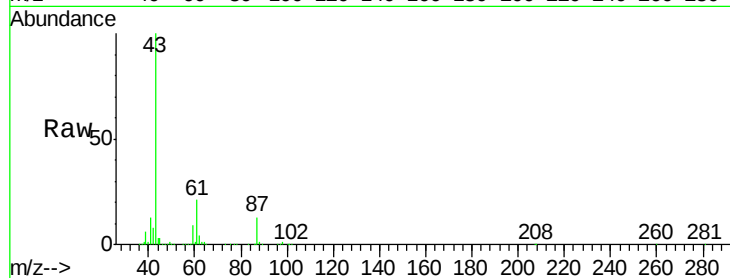
#43
Isopropyl Acetate
Concen: 109.372 ug/l
RT: 8.28 min Scan# 1073
Delta R.T. -0.00 min
Lab File: VY003003.D
Acq: 29 Jun 2020 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.7	21.8	32.6
87	12.5	10.1	15.1

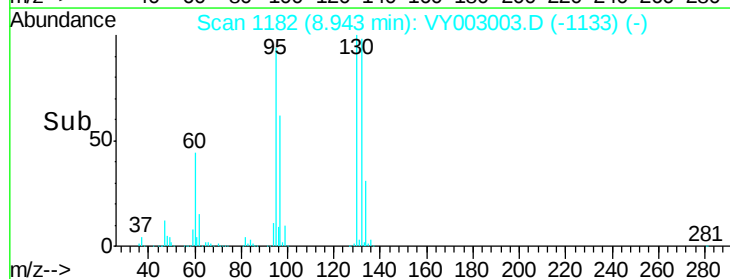
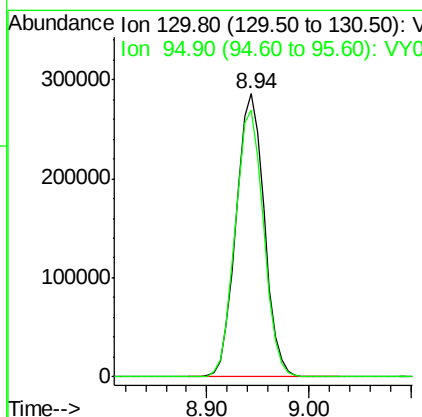
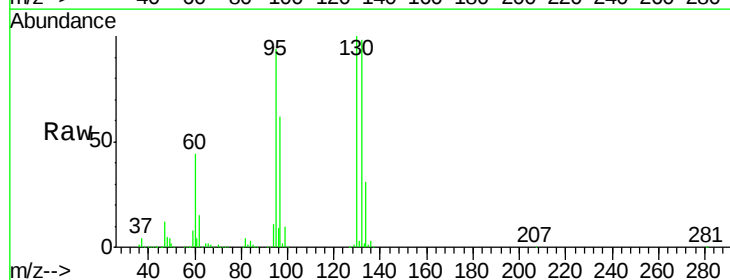
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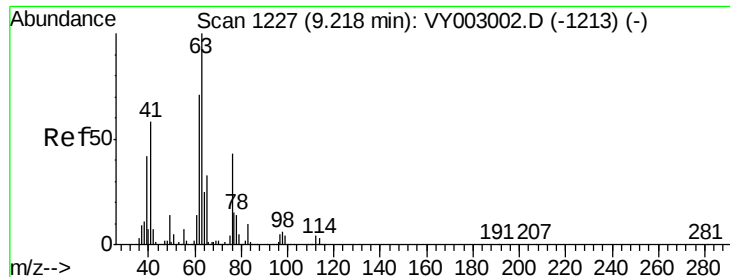
MMDadoda
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#44
Trichloroethene
Concen: 104.533 ug/l
RT: 8.94 min Scan# 1182
Delta R.T. -0.00 min
Lab File: VY003003.D
Acq: 29 Jun 2020 12:40

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.2	0.0	186.4





#45

1,2-Dichloropropane

Concen: 105.998 ug/l

RT: 9.22 min Scan# 1227

Delta R.T. -0.00 min

Lab File: VY003003.D

Acq: 29 Jun 2020 12:40

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tot Ion: 63 Resp: 511857

Ion Ratio Lower Upper

63 100

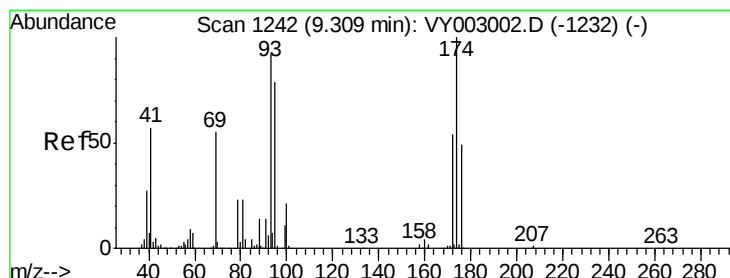
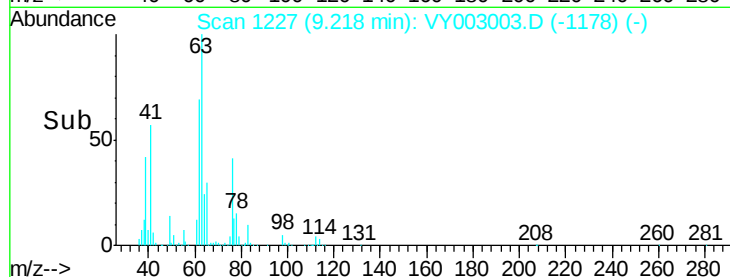
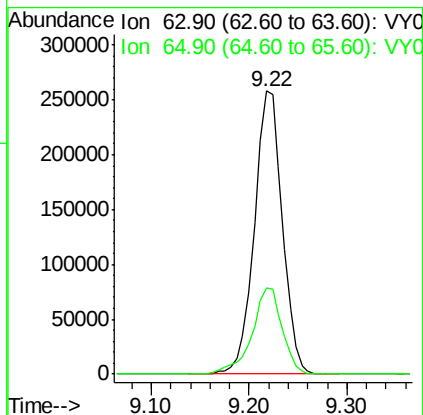
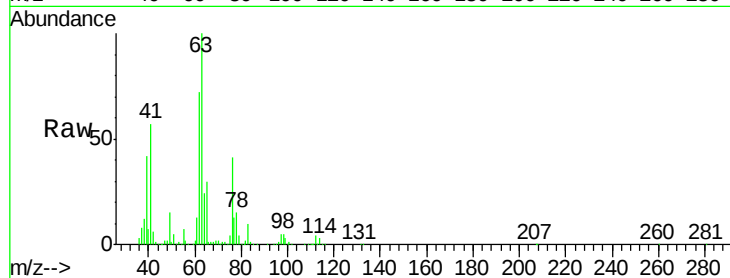
65 30.3 26.2 39.4

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#46

Dibromomethane

Concen: 104.875 ug/l

RT: 9.31 min Scan# 1242

Delta R.T. -0.00 min

Lab File: VY003003.D

Acq: 29 Jun 2020 12:40

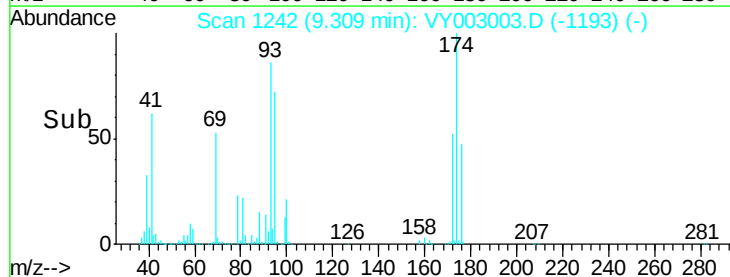
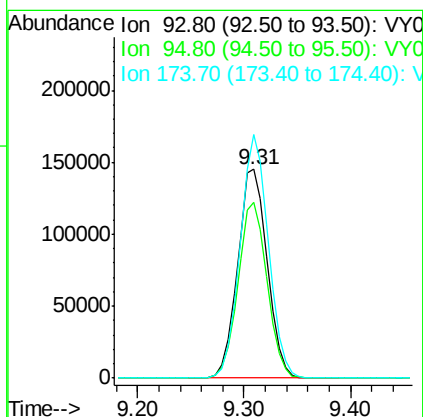
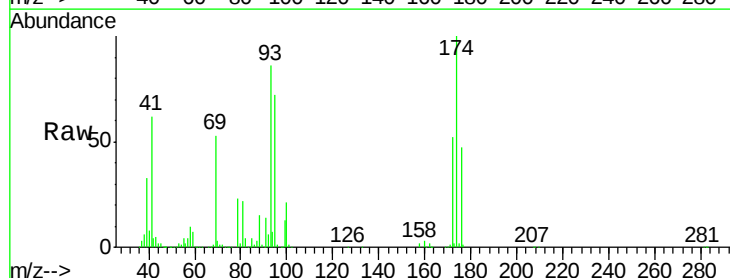
Tgt Ion: 93 Resp: 282851

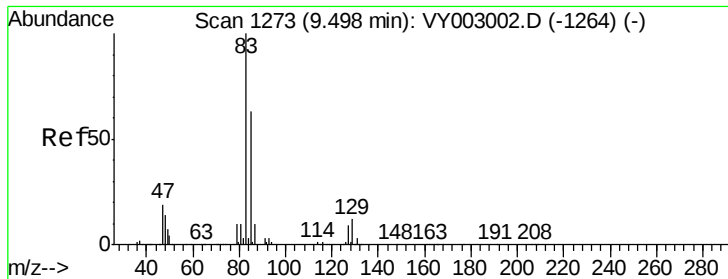
Ion Ratio Lower Upper

93 100

95 82.5 67.6 101.4

174 111.3 88.3 132.5





#47

Bromodichloromethane

Concen: 106.068 ug/l

RT: 9.50 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VY003003.D

Acq: 29 Jun 2020 12:40

Instrument :

MSVOA_Y

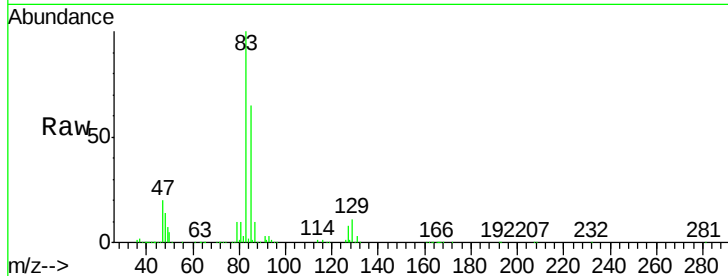
ClientSampleId :

VSTDIC100

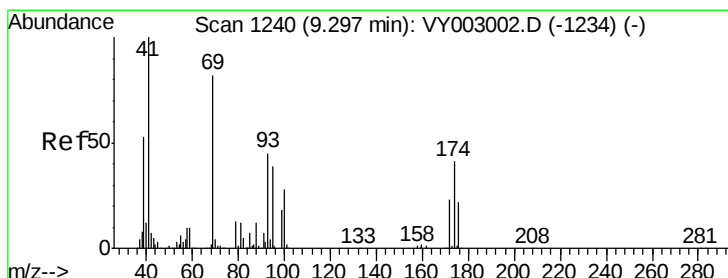
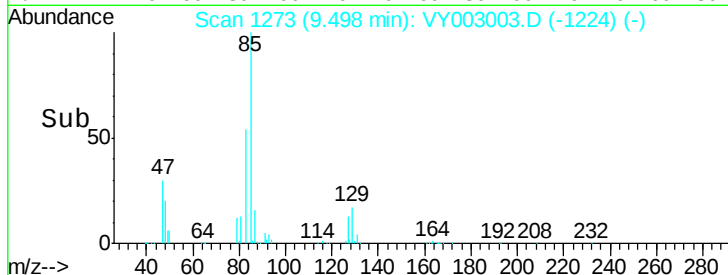
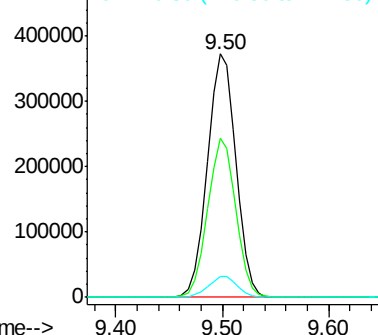
Tot Ion:	83	Resp:	700481
Ion Ratio	Lower	Upper	
83	100		
85	65.2	50.5	75.7
127	8.4	7.0	10.4

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Abundance Ion 82.90 (82.60 to 83.60): VY0
Ion 84.90 (84.60 to 85.60): VY0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 110.764 ug/l

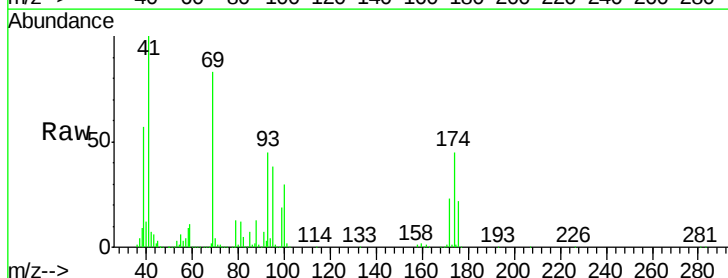
RT: 9.30 min Scan# 1240

Delta R.T. -0.00 min

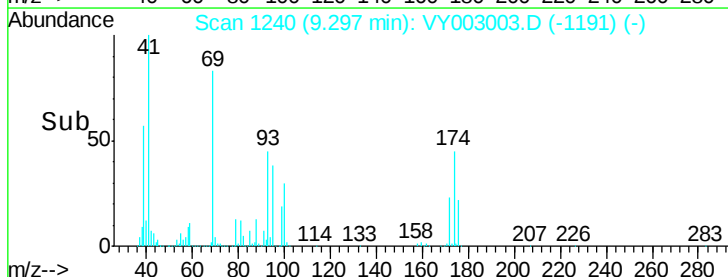
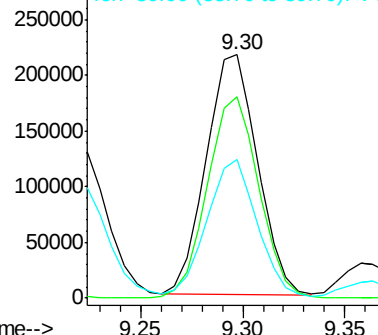
Lab File: VY003003.D

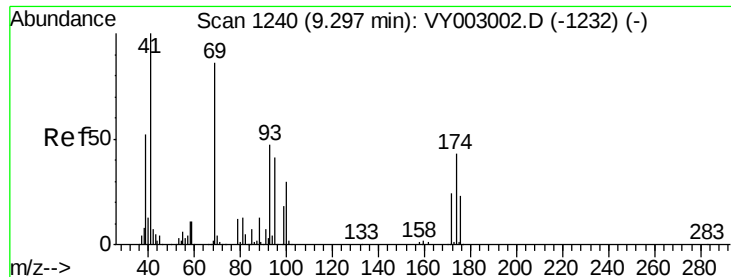
Acq: 29 Jun 2020 12:40

Tgt Ion:	41	Resp:	377812
Ion Ratio	Lower	Upper	
41	100		
69	84.0	67.7	101.5
39	57.0	45.0	67.4



Abundance Ion 41.00 (40.70 to 41.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 39.00 (38.70 to 39.70): VY0





#49

1,4-Dioxane

Concen: 2203.638 ug/l

RT: 9.30 min Scan# 1241

Delta R.T. 0.01 min

Lab File: VY003003.D

Acq: 29 Jun 2020 12:40

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion: 88 Resp: 72550

Ion Ratio Lower Upper

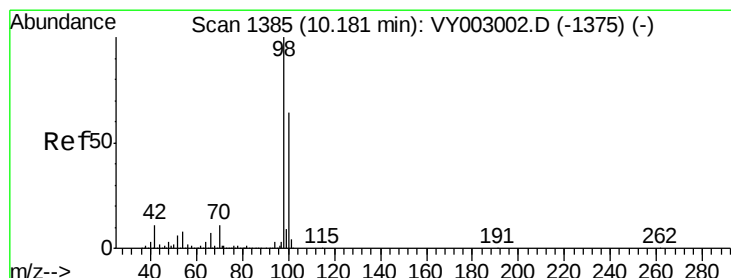
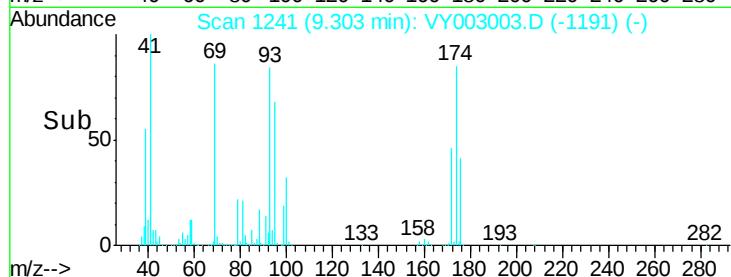
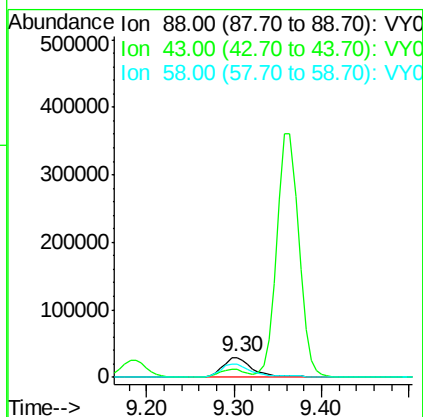
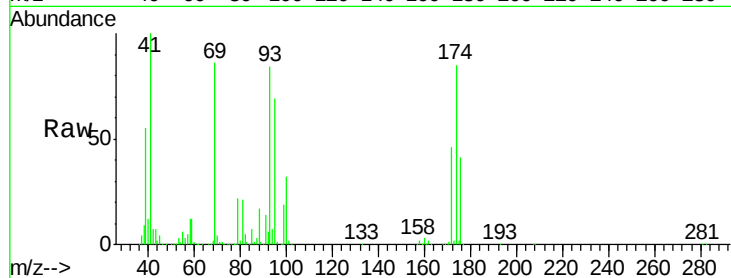
88 100

43 33.2 28.6 42.8

58 66.5 56.7 85.1

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#50

Toluene-d8

Concen: 102.146 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY003003.D

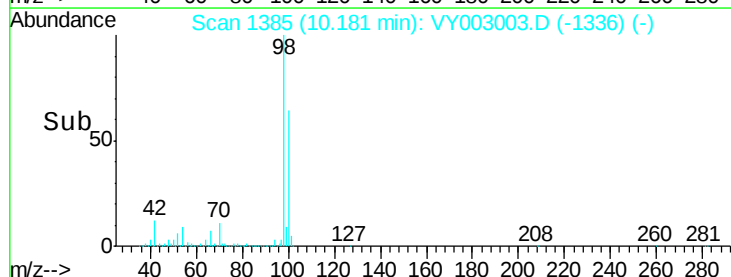
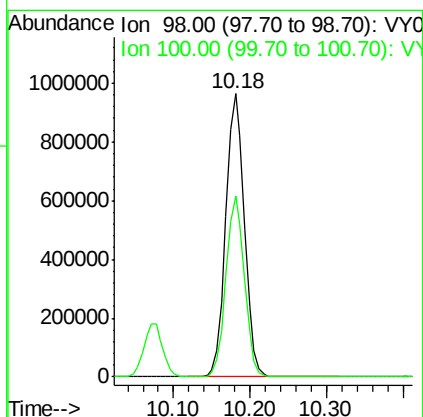
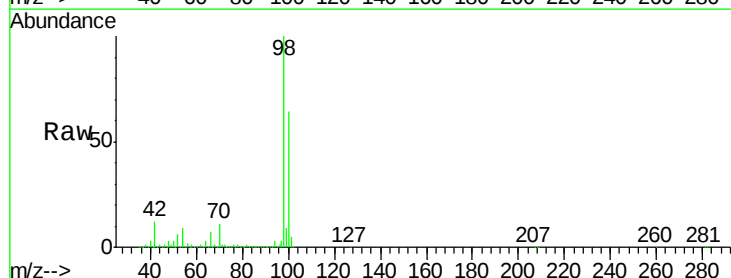
Acq: 29 Jun 2020 12:40

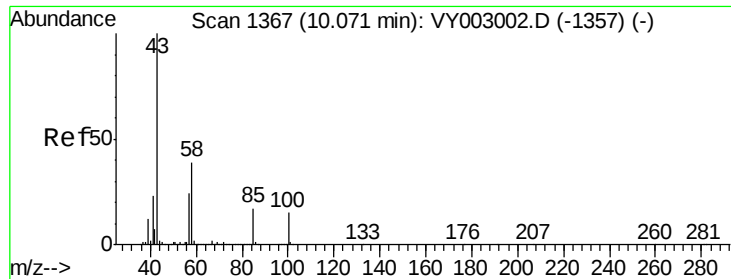
Tgt Ion: 98 Resp: 1615740

Ion Ratio Lower Upper

98 100

100 63.5 51.1 76.7





#51

4-Methyl-2-Pentanone

Concen: 552.574 ug/l

RT: 10.07 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VY003003.D

Acq: 29 Jun 2020 12:40

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 2140241

Ion Ratio Lower Upper

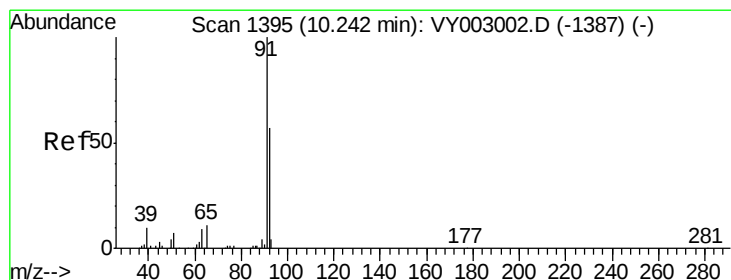
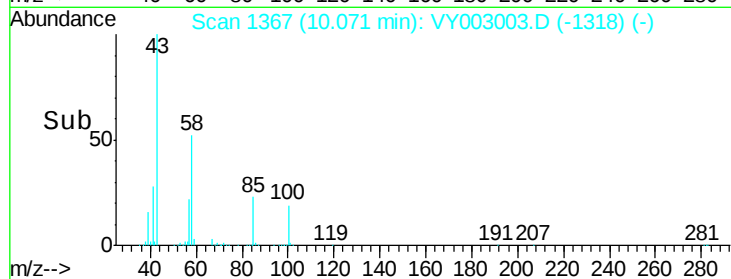
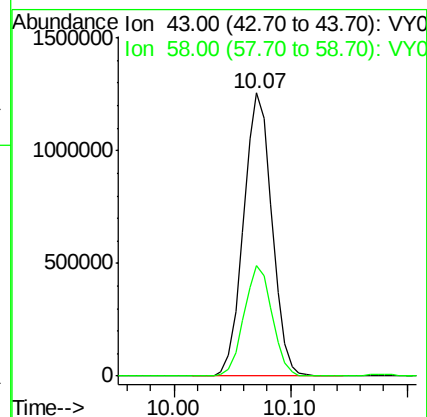
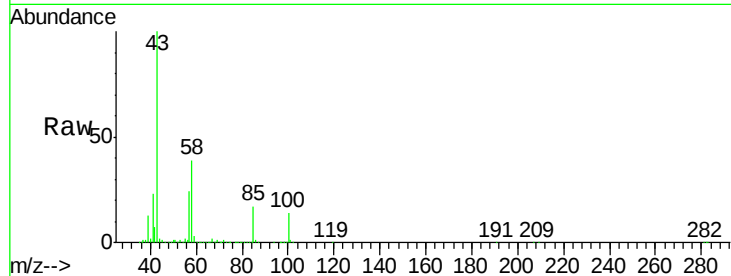
43 100

58 38.7 31.1 46.7

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#52

Toluene

Concen: 104.514 ug/l

RT: 10.24 min Scan# 1395

Delta R.T. -0.00 min

Lab File: VY003003.D

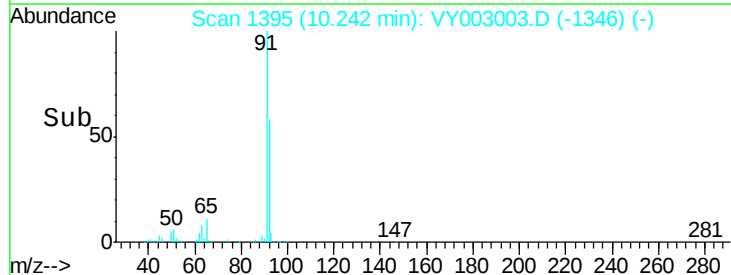
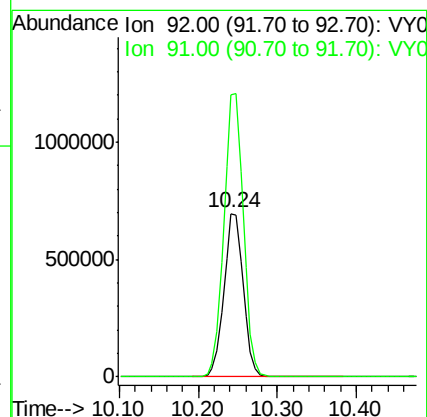
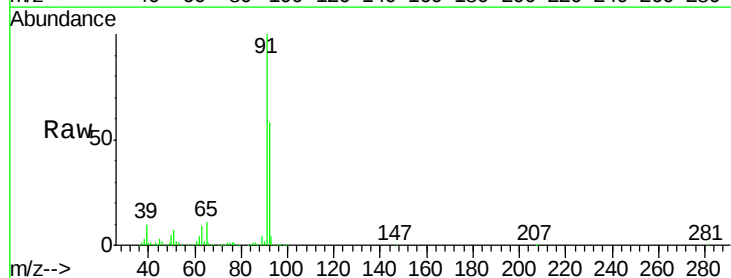
Acq: 29 Jun 2020 12:40

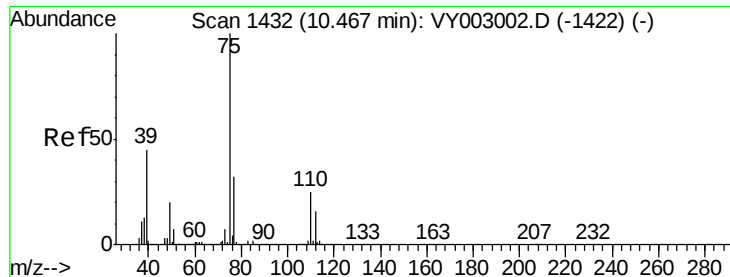
Tgt Ion: 92 Resp: 1180900

Ion Ratio Lower Upper

92 100

91 175.5 139.6 209.4





#53

t-1,3-Dichloropropene

Concen: 108.649 ug/l

RT: 10.47 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VY003003.D

Acq: 29 Jun 2020 12:40

Instrument :

MSVOA_Y

ClientSampled :

VSTDIC100

Tot Ion: 75 Resp: 752277

Ion Ratio Lower Upper

75 100

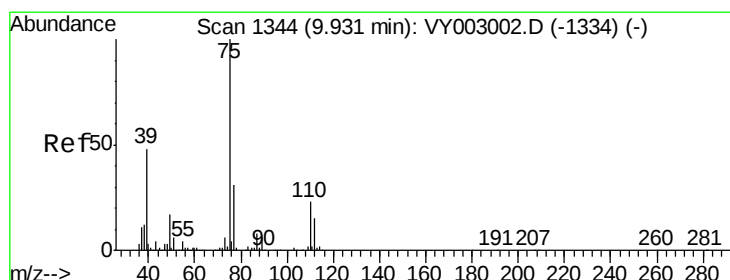
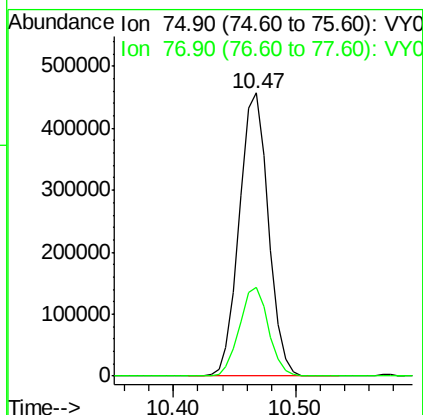
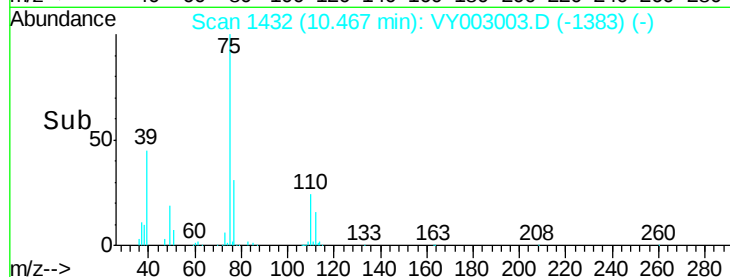
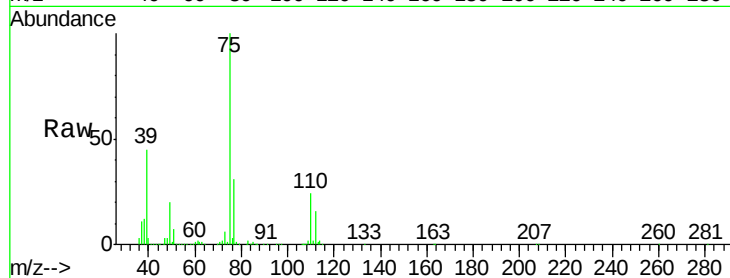
77 31.4 25.9 38.9

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#54

cis-1,3-Dichloropropene

Concen: 106.599 ug/l

RT: 9.93 min Scan# 1344

Delta R.T. -0.00 min

Lab File: VY003003.D

Acq: 29 Jun 2020 12:40

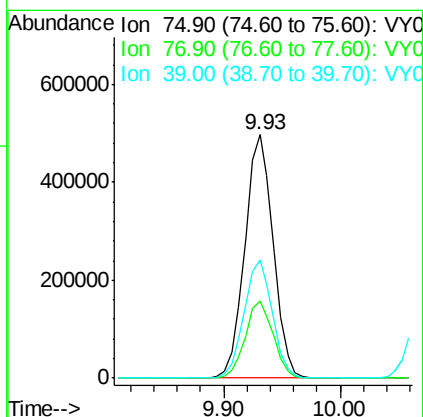
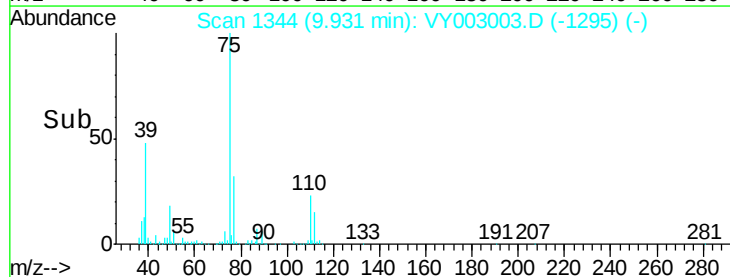
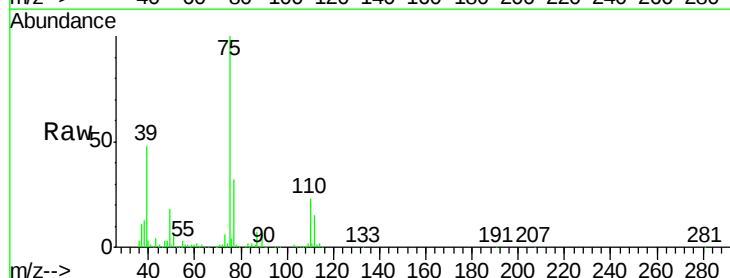
Tgt Ion: 75 Resp: 844112

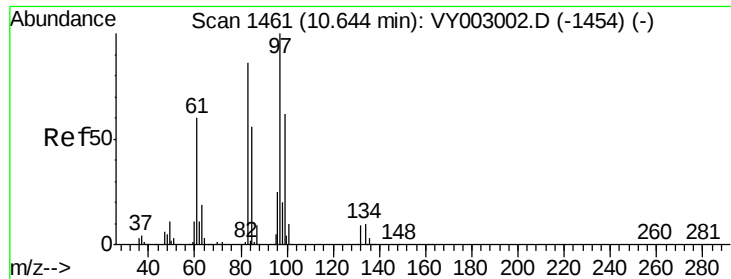
Ion Ratio Lower Upper

75 100

77 31.8 24.6 37.0

39 48.4 38.3 57.5





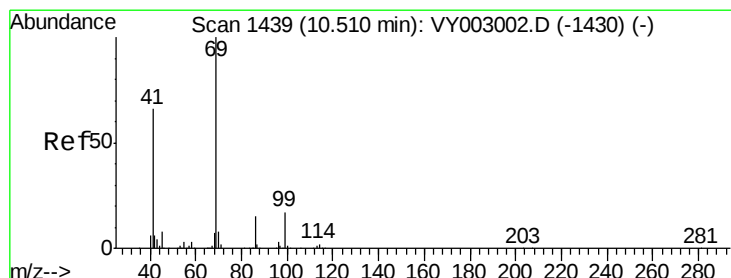
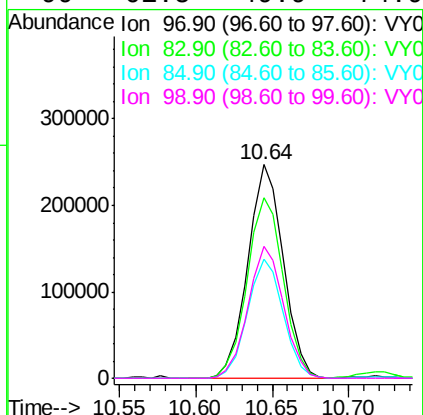
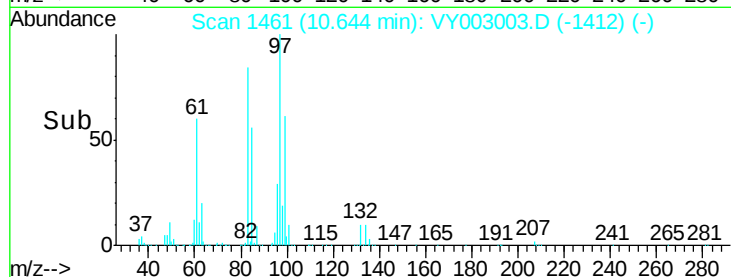
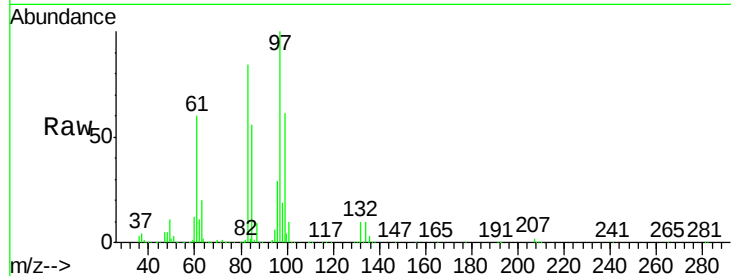
#55
 1,1,2-Trichloroethane
 Concen: 106.345 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. -0.00 min
 Lab File: VY003003.D
 Acq: 29 Jun 2020 12:40

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion:	97	Resp:	398558
Ion	Ratio	Lower	Upper
97	100		
83	84.4	69.0	103.6
85	55.5	44.8	67.2
99	61.5	49.9	74.9

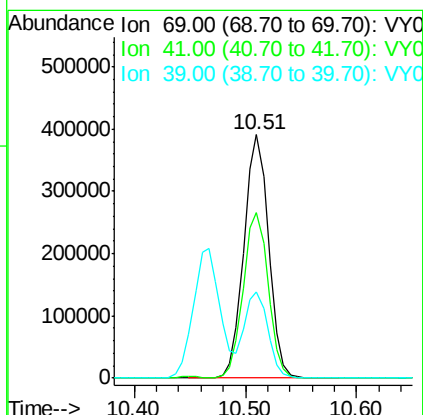
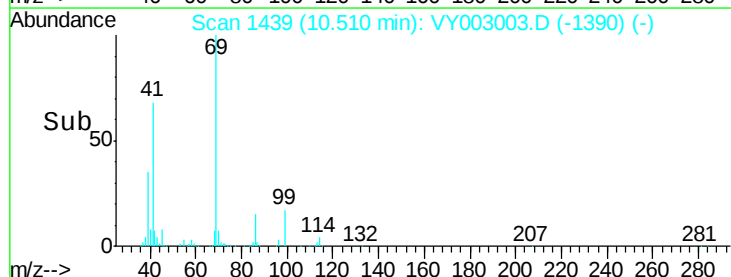
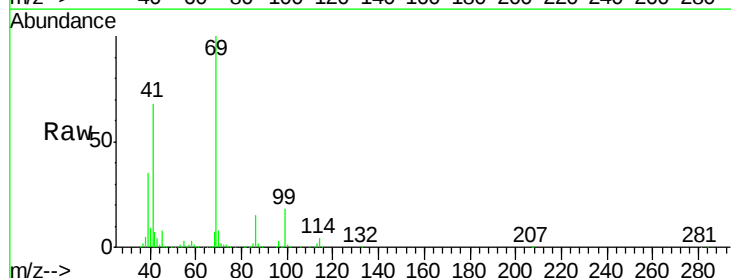
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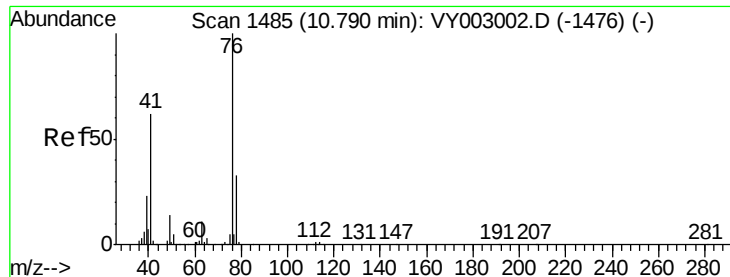
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#56
 Ethyl methacrylate
 Concen: 111.235 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. -0.00 min
 Lab File: VY003003.D
 Acq: 29 Jun 2020 12:40

Tgt Ion:	69	Resp:	603463
Ion	Ratio	Lower	Upper
69	100		
41	68.4	53.7	80.5
39	33.2	28.3	42.5





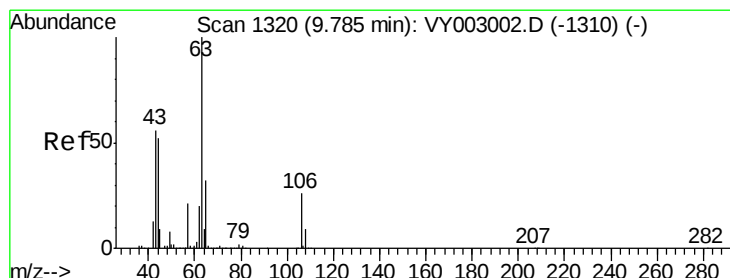
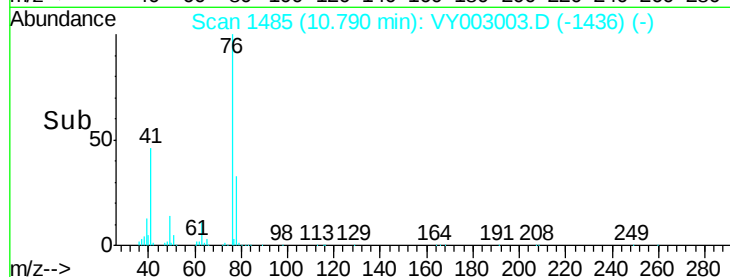
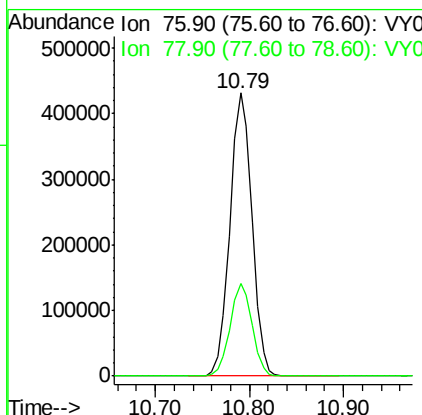
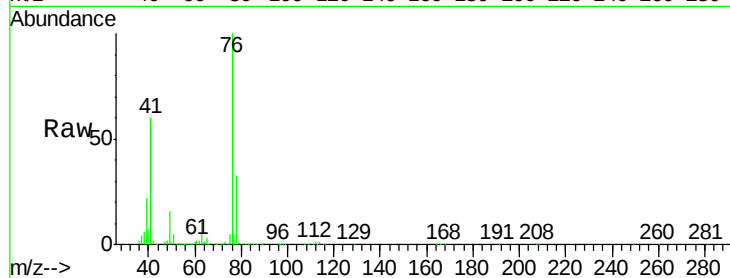
#57
 1,3-Dichloropropane
 Concen: 106.287 ug/l
 RT: 10.79 min Scan# 1485
 Delta R.T. -0.00 min
 Lab File: VY003003.D
 Acq: 29 Jun 2020 12:40

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.5	26.0	39.0

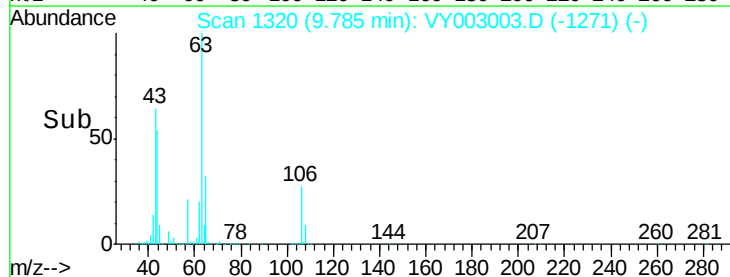
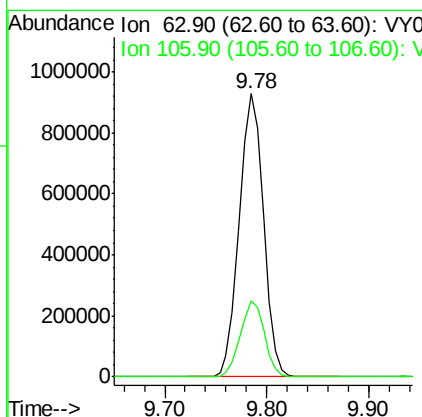
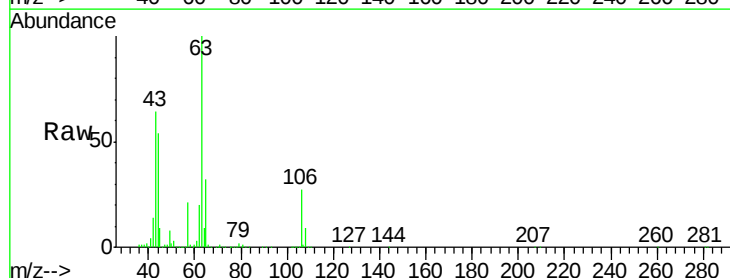
Manual Integrations
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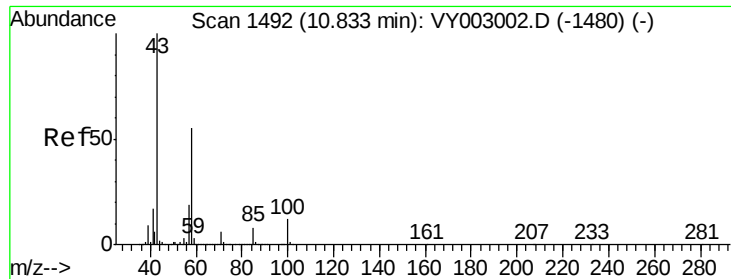
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#58
 2-Chloroethyl Vinyl ether
 Concen: 547.800 ug/l
 RT: 9.78 min Scan# 1320
 Delta R.T. -0.00 min
 Lab File: VY003003.D
 Acq: 29 Jun 2020 12:40

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.7	21.5	32.3





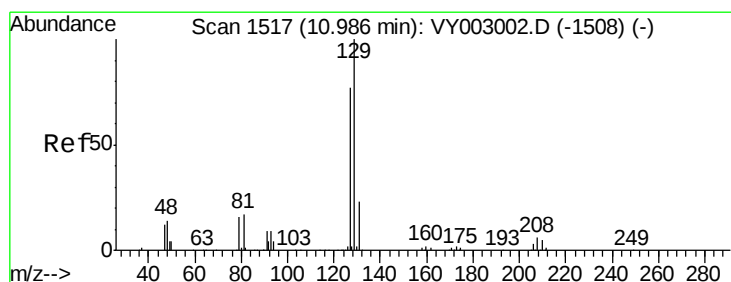
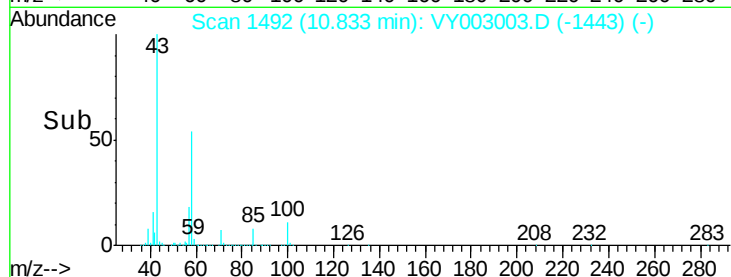
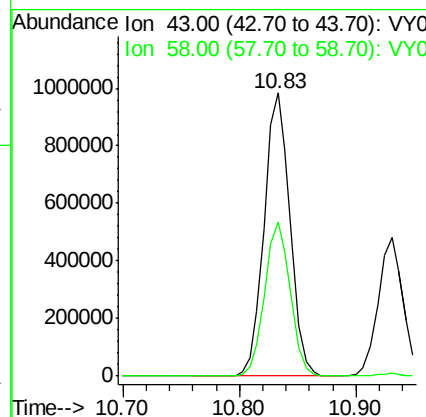
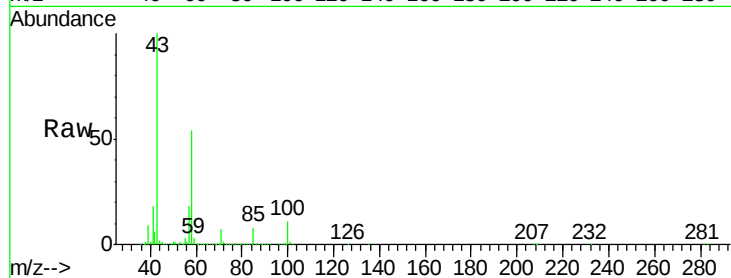
#59
2-Hexanone
Concen: 561.646 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VY003003.D
Acq: 29 Jun 2020 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tot Ion: 43 Resp: 1520513
Ion Ratio Lower Upper
43 100
58 54.0 27.5 82.4

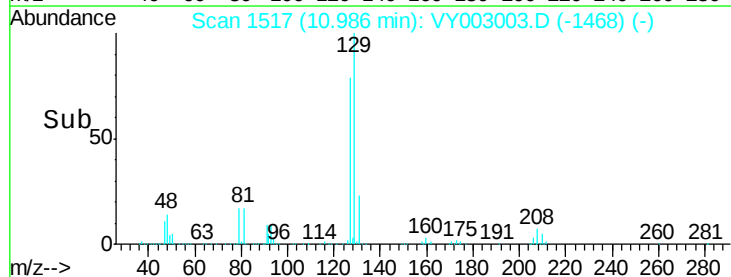
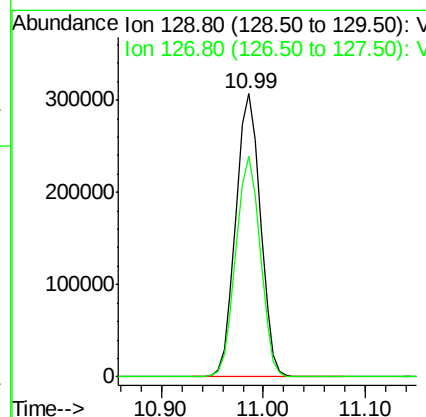
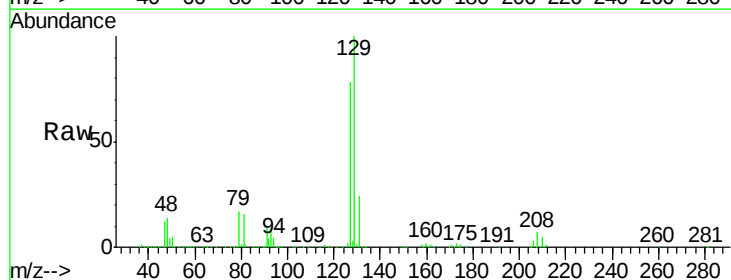
Manual Integrations
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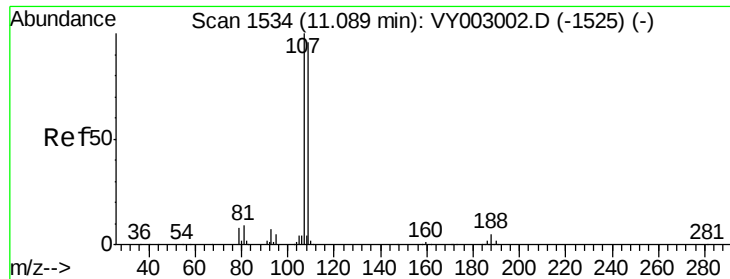
MMDadoda
6/30/2020 12:54:10 PM



#60
Dibromochloromethane
Concen: 106.732 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VY003003.D
Acq: 29 Jun 2020 12:40

Tgt Ion: 129 Resp: 511906
Ion Ratio Lower Upper
129 100
127 77.4 39.1 117.3





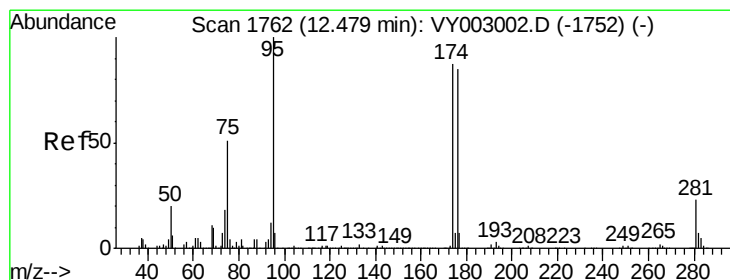
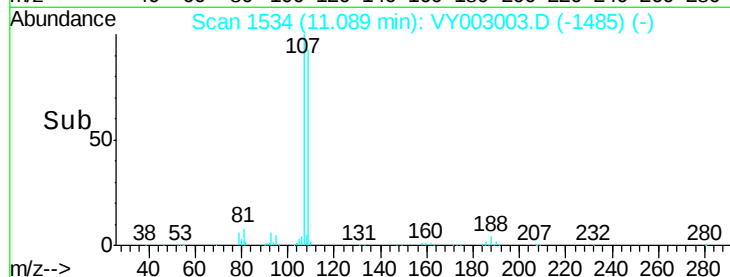
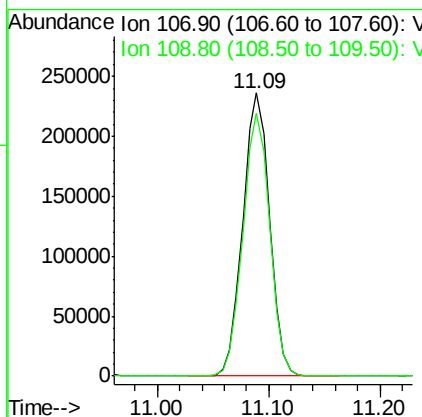
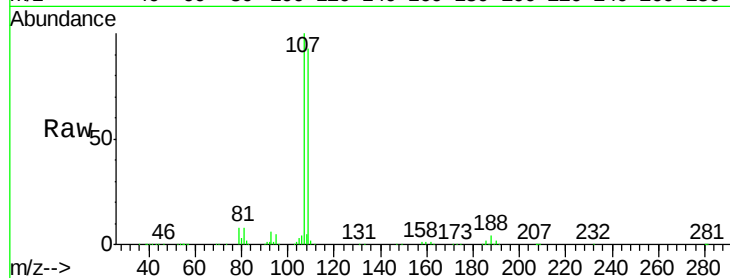
#61
 1,2-Dibromoethane
 Concen: 106.659 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VY003003.D
 Acq: 29 Jun 2020 12:40

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.1	75.8	113.8

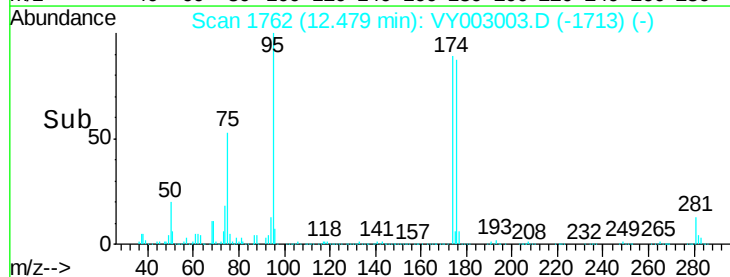
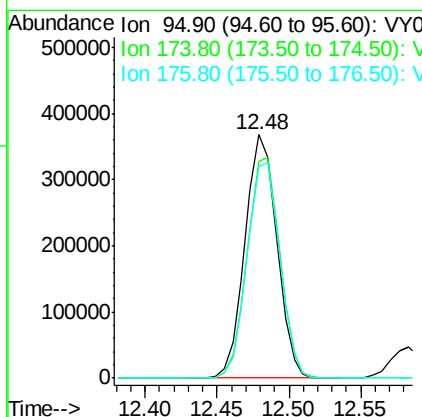
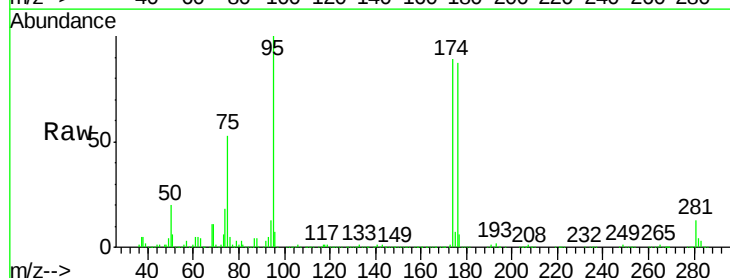
Manual Integrations
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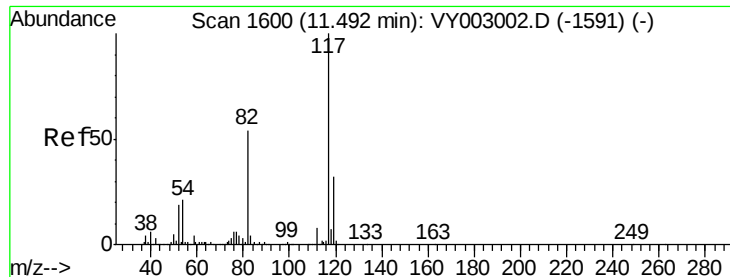
MMDadoda
 6/30/2020 12:54:10 PM



#62
 4-Bromofluorobenzene
 Concen: 101.047 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.00 min
 Lab File: VY003003.D
 Acq: 29 Jun 2020 12:40

Tgt Ion	Ratio	Lower	Upper
95	100		
174	93.0	0.0	184.8
176	90.8	0.0	183.0





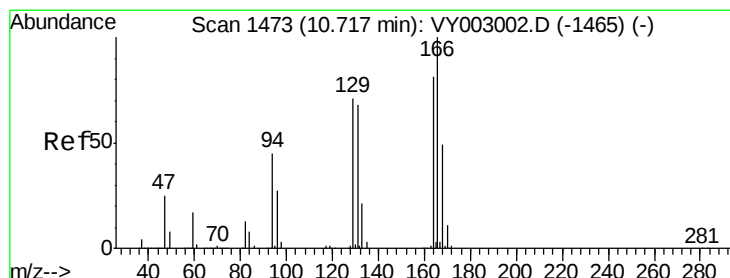
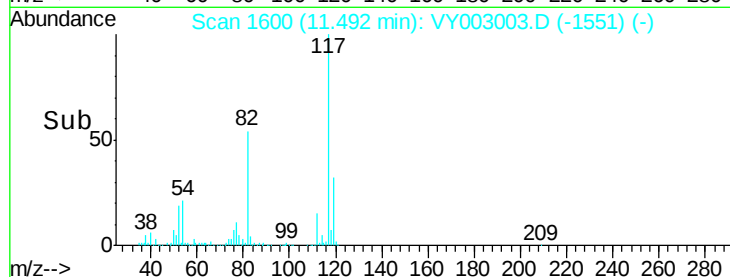
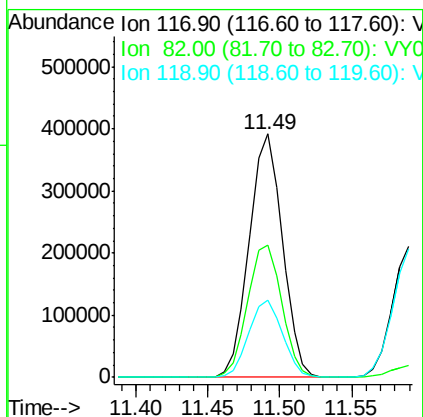
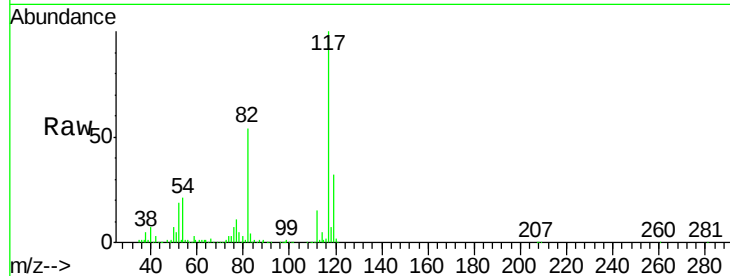
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY003003.D
Acq: 29 Jun 2020 12:40

Instrument :
MSVOA_Y
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
117	100	624608		
82	54.3		43.0	64.6
119	31.9		25.8	38.8

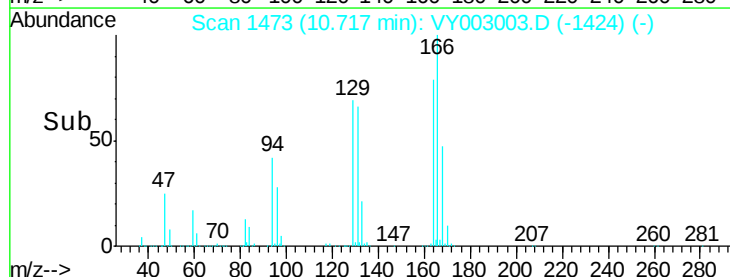
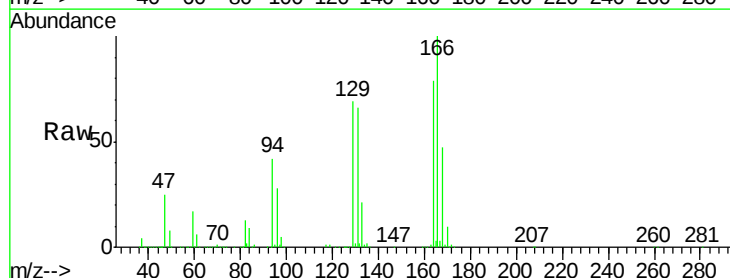
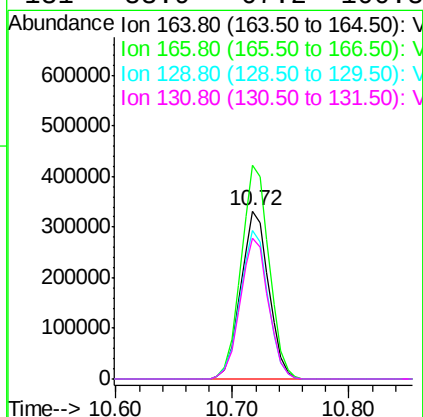
Manual Integrations
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#64
Tetrachloroethene
Concen: 104.723 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VY003003.D
Acq: 29 Jun 2020 12:40

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	553599		
166	127.3		98.5	147.7
129	88.3		69.7	104.5
131	83.9		67.2	100.8





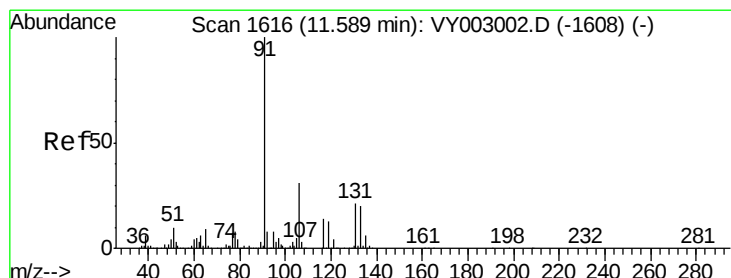
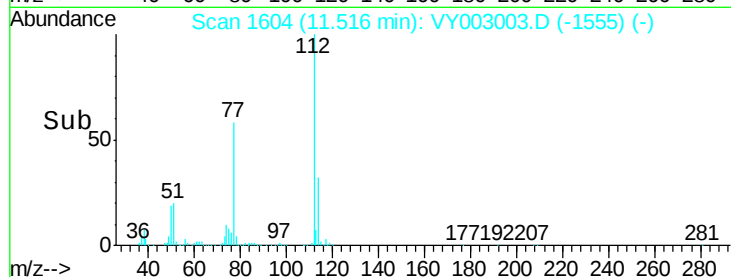
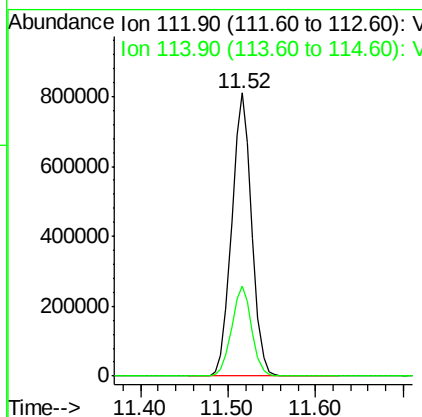
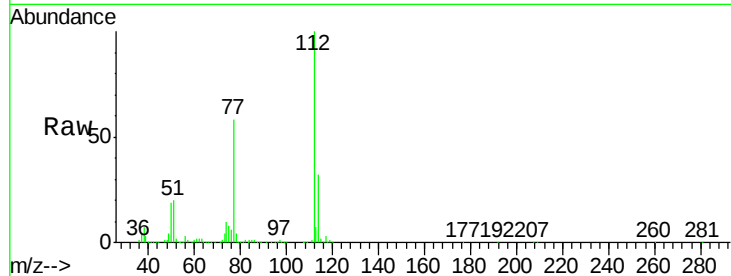
#65
Chlorobenzene
Concen: 104.224 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VY003003.D
Acq: 29 Jun 2020 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion:112 Resp: 1283629
Ion Ratio Lower Upper
112 100
114 31.7 25.7 38.5

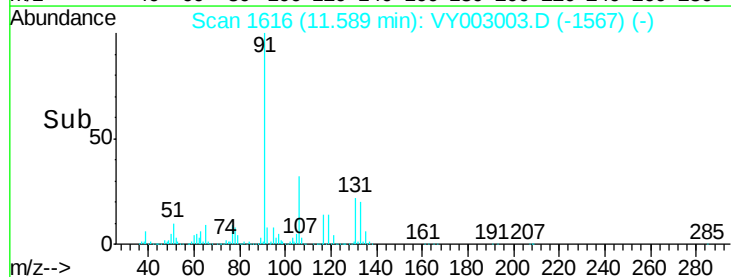
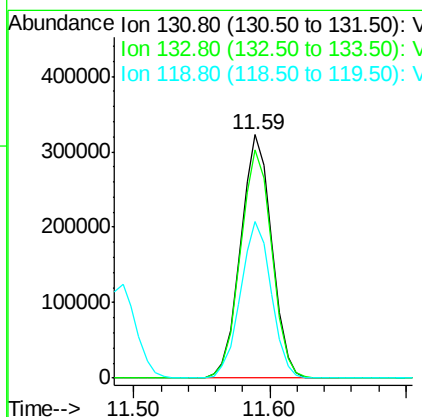
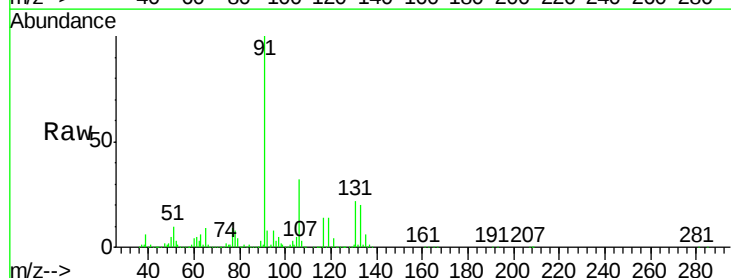
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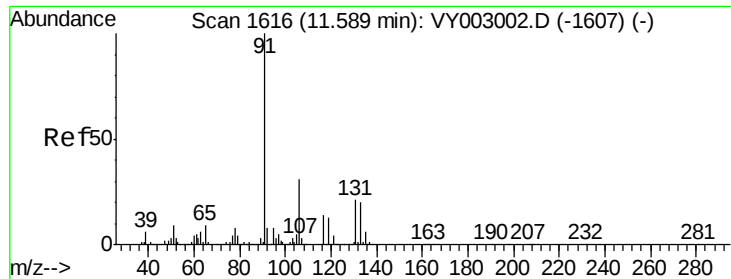
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 106.894 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. -0.00 min
Lab File: VY003003.D
Acq: 29 Jun 2020 12:40

Tgt Ion:131 Resp: 513995
Ion Ratio Lower Upper
131 100
133 95.1 47.9 143.8
119 63.7 31.8 95.3





#67

Ethyl Benzene

Concen: 105.383 ug/l

RT: 11.59 min Scan# 1616

Delta R.T. -0.00 min

Lab File: VY003003.D

Acq: 29 Jun 2020 12:40

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 2374438

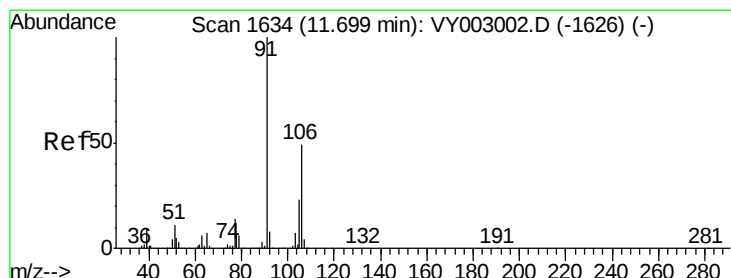
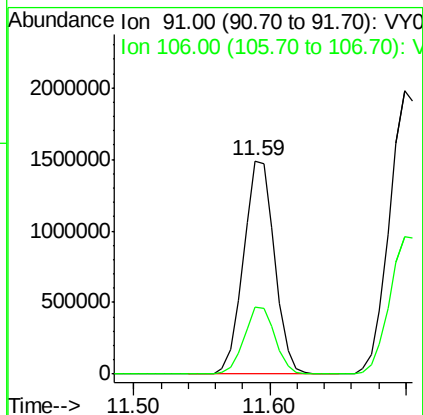
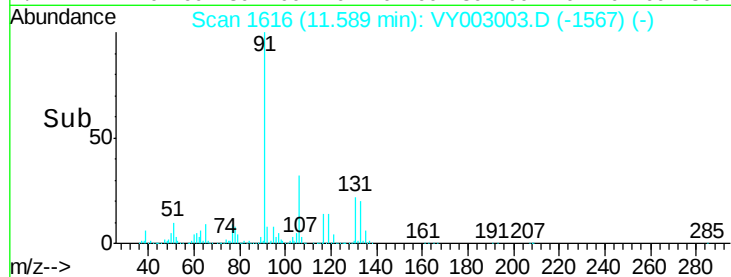
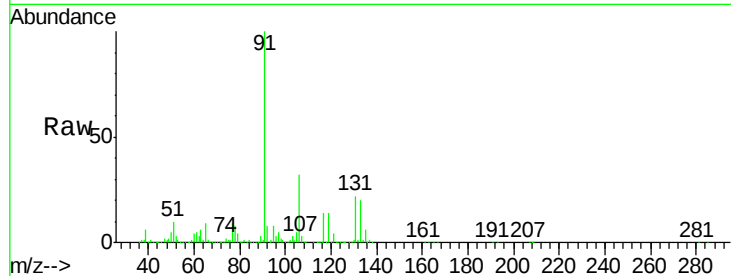
Ion Ratio Lower Upper

91 100

106 31.7 25.0 37.4

Manual Integrations
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#68

m/p-Xylenes

Concen: 211.058 ug/l

RT: 11.70 min Scan# 1634

Delta R.T. -0.00 min

Lab File: VY003003.D

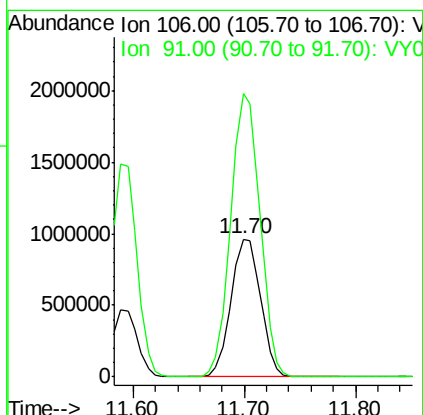
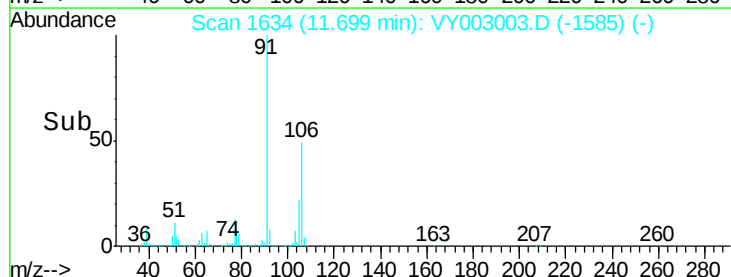
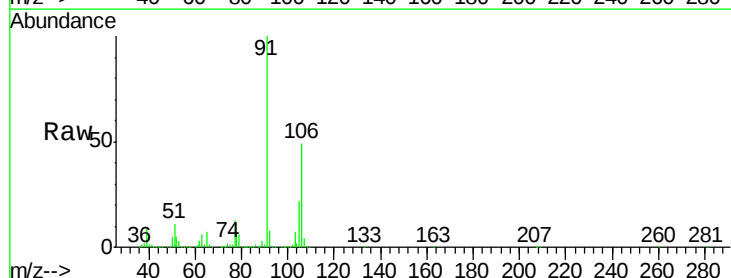
Acq: 29 Jun 2020 12:40

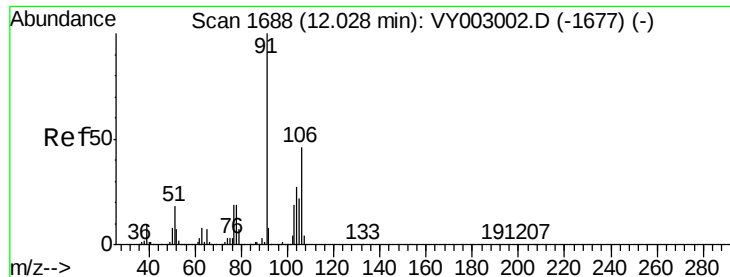
Tgt Ion: 106 Resp: 1769890

Ion Ratio Lower Upper

106 100

91 203.3 161.9 242.9





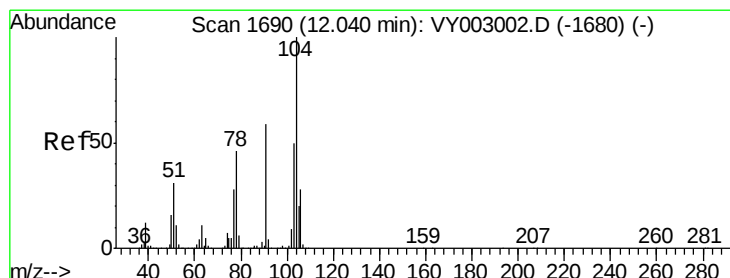
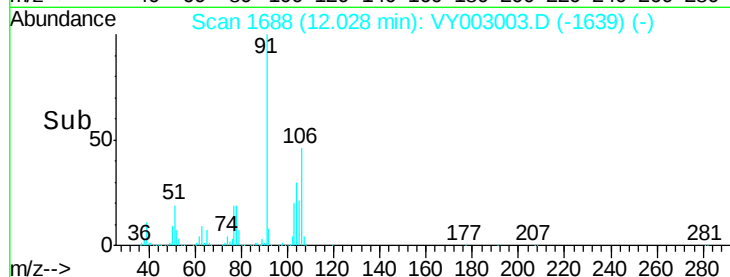
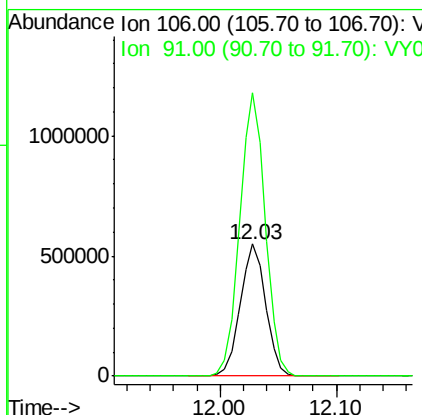
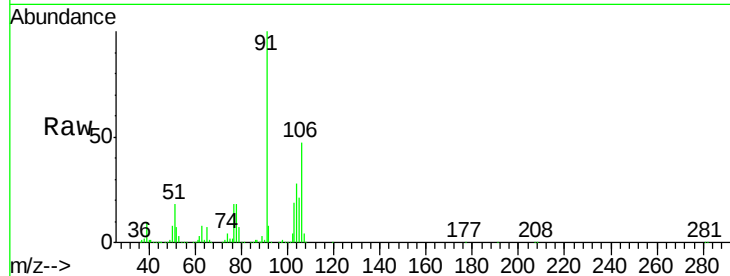
#69
o-Xylene
Concen: 105.713 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VY003003.D
Acq: 29 Jun 2020 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion:106 Resp: 835356
Ion Ratio Lower Upper
106 100
91 215.0 107.9 323.8

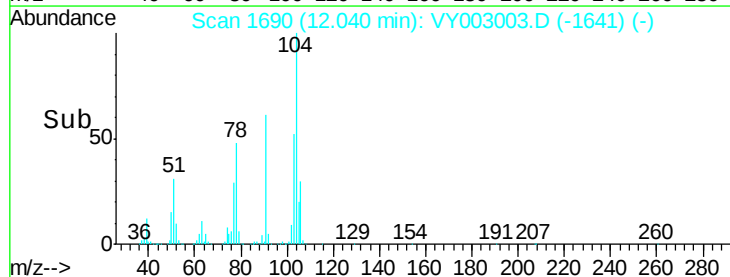
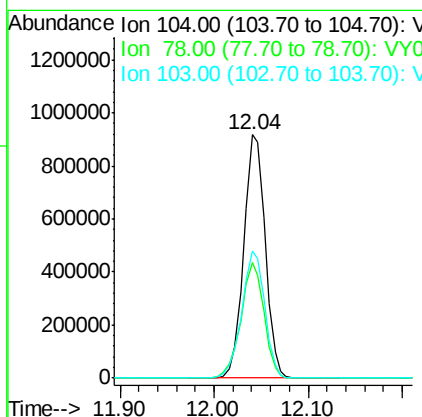
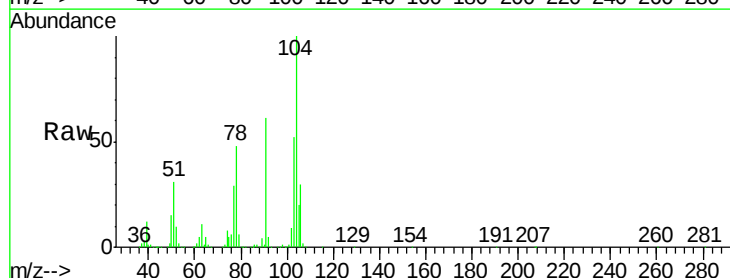
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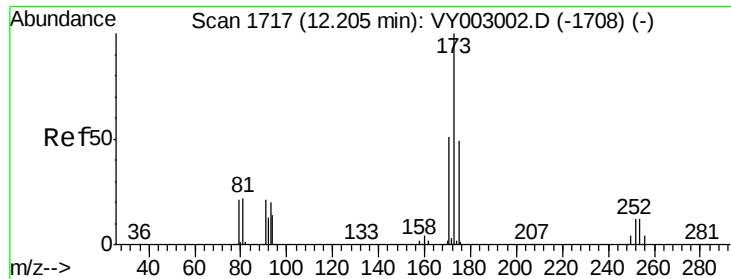
MMDadoda
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#70
Styrene
Concen: 107.242 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VY003003.D
Acq: 29 Jun 2020 12:40

Tgt Ion:104 Resp: 1447750
Ion Ratio Lower Upper
104 100
78 50.7 40.4 60.6
103 55.8 44.1 66.1





#71

Bromoform

Concen: 107.750 ug/l

RT: 12.20 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VY003003.D

Acq: 29 Jun 2020 12:40

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion:173 Resp: 345476

Ion Ratio Lower Upper

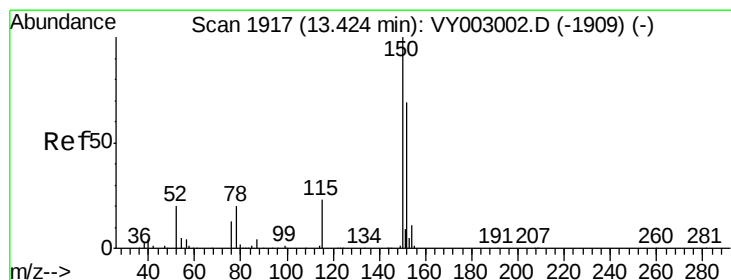
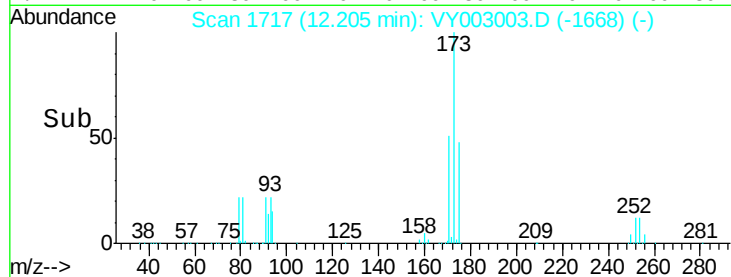
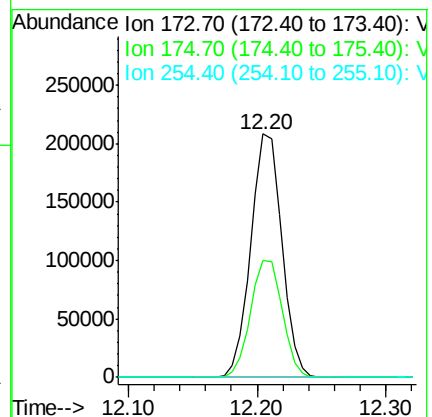
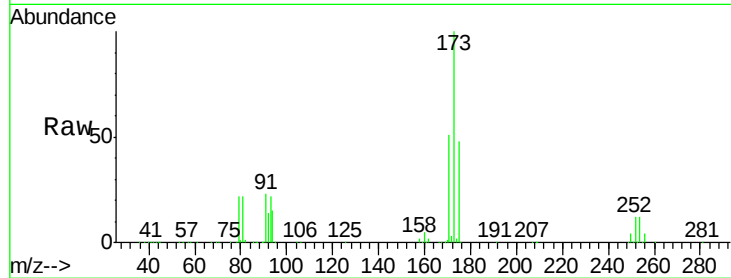
173 100

175 49.3 24.6 73.6

254 0.2 0.2 0.2#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. -0.00 min

Lab File: VY003003.D

Acq: 29 Jun 2020 12:40

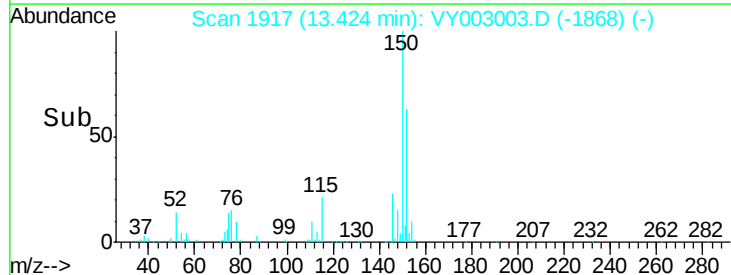
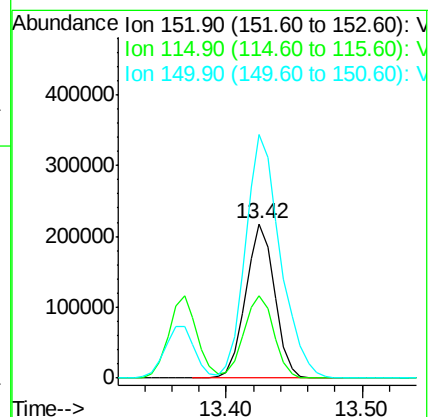
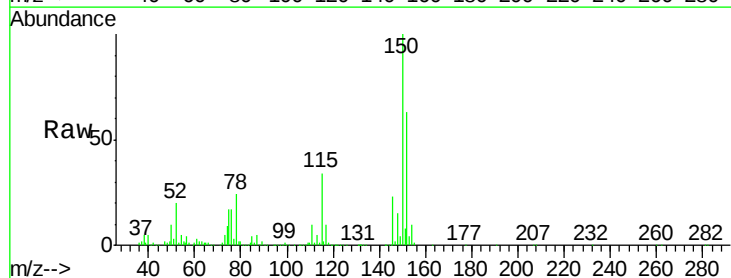
Tgt Ion:152 Resp: 323902

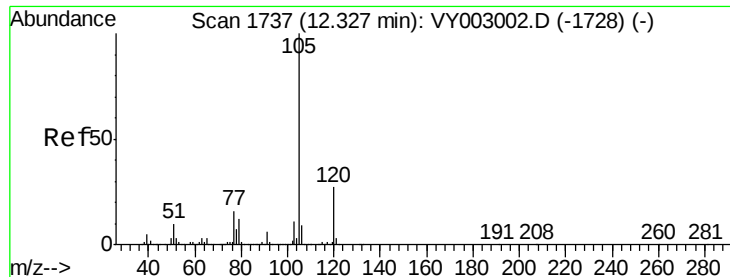
Ion Ratio Lower Upper

152 100

115 55.2 27.3 81.9

150 188.8 0.0 343.4





#73

Isopropylbenzene

Concen: 106.430 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VY003003.D

Acq: 29 Jun 2020 12:40

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 2256106

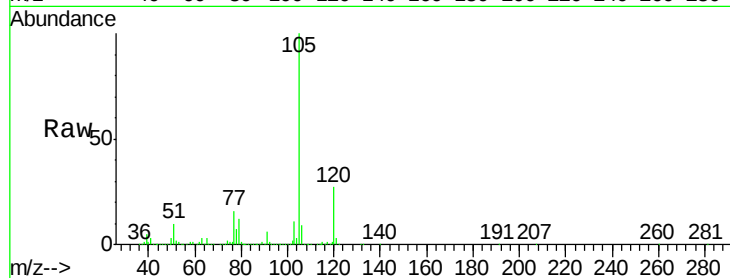
Ion Ratio Lower Upper

105 100

120 27.0 13.4 40.1

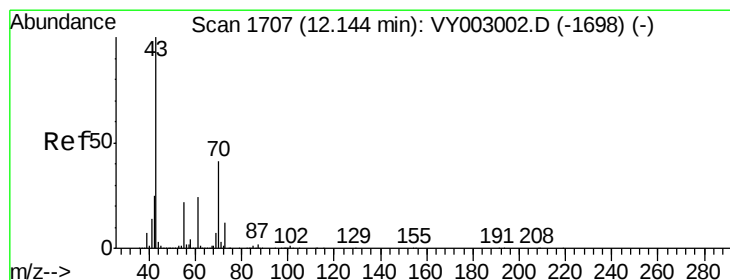
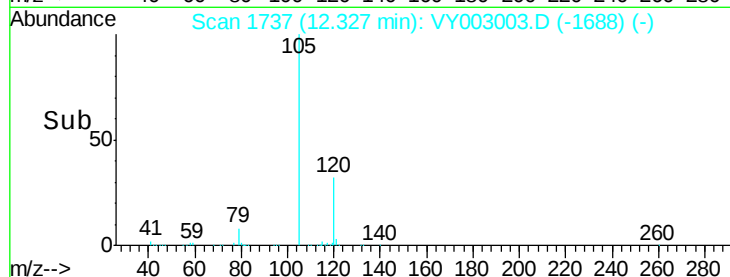
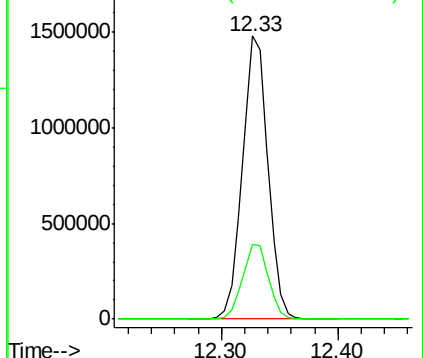
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 111.105 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VY003003.D

Acq: 29 Jun 2020 12:40

Tgt Ion: 43 Resp: 766726

Ion Ratio Lower Upper

43 100

70 41.3 33.0 49.4

55 22.6 18.2 27.2

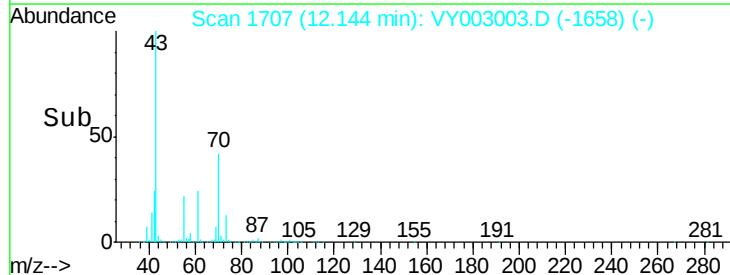
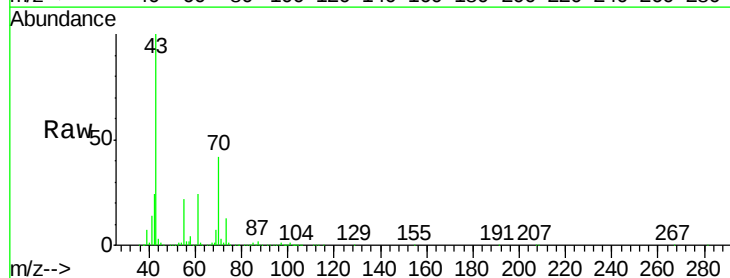
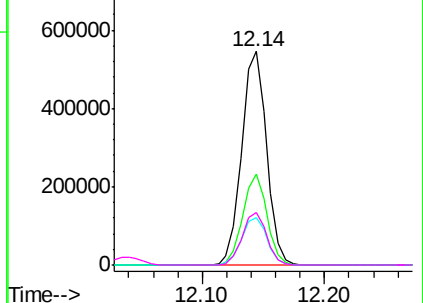
61 24.3 19.4 29.2

Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0





#75

1,1,2,2-Tetrachloroethane

Concen: 107.727 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VY003003.D

Acq: 29 Jun 2020 12:40

Instrument :

MSVOA_Y

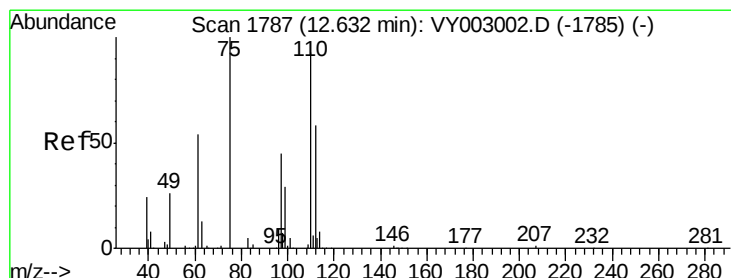
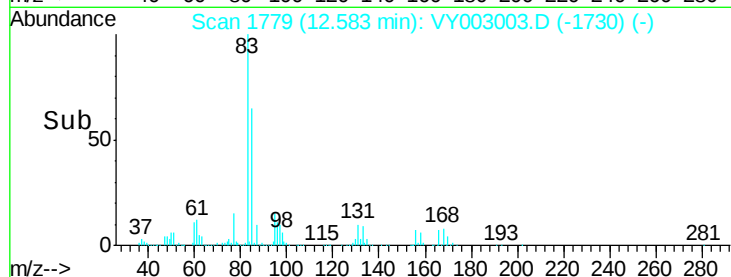
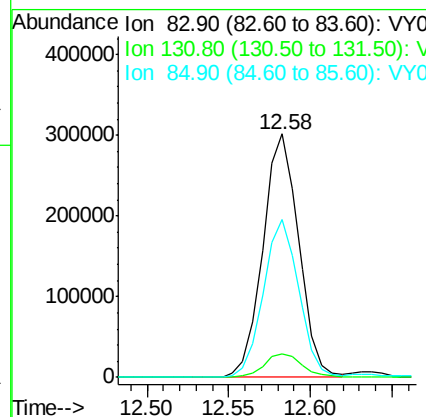
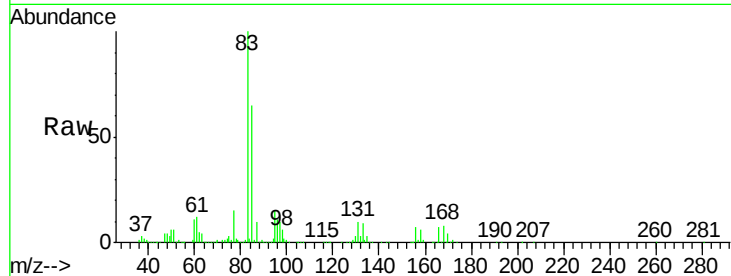
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	460837
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.3	16.1
85	64.2	32.1	96.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 61.499 ug/l m

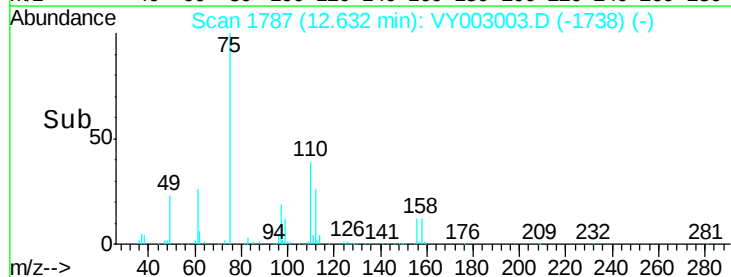
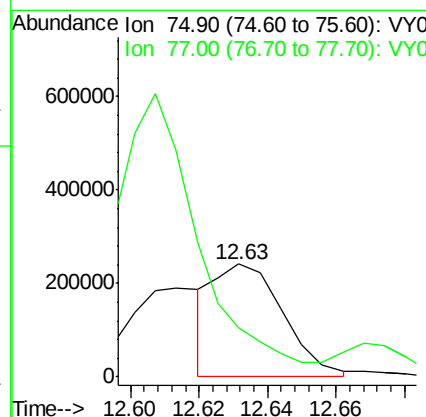
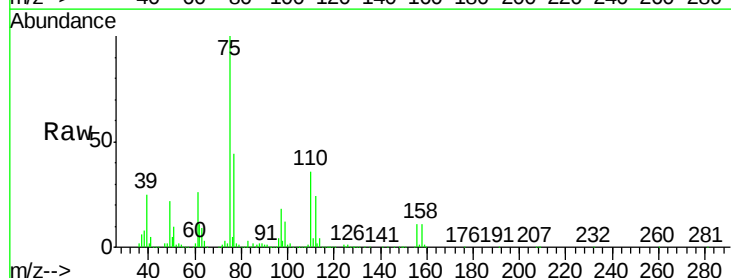
RT: 12.63 min Scan# 1787

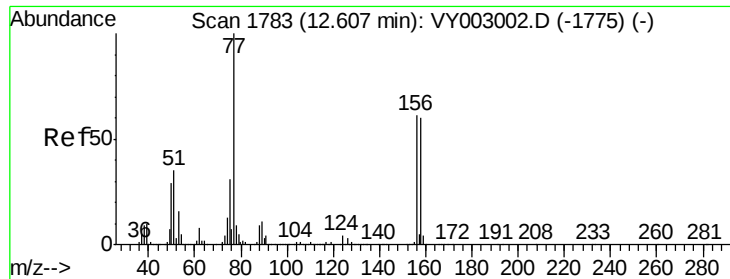
Delta R.T. -0.00 min

Lab File: VY003003.D

Acq: 29 Jun 2020 12:40

Tgt Ion:	75	Resp:	340479
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 105.271 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VY003003.D

Acq: 29 Jun 2020 12:40

Instrument :

MSVOA_Y

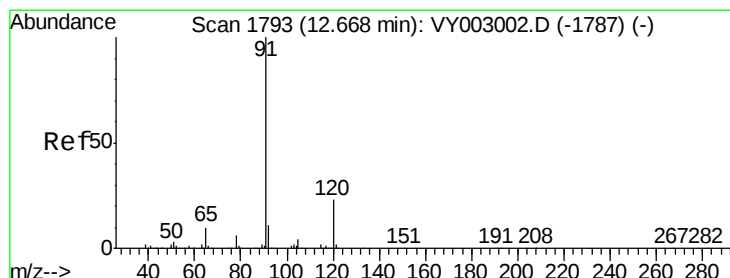
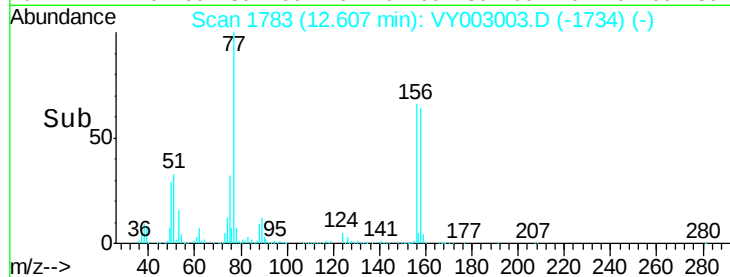
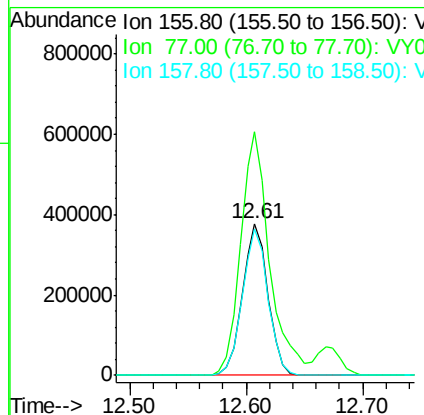
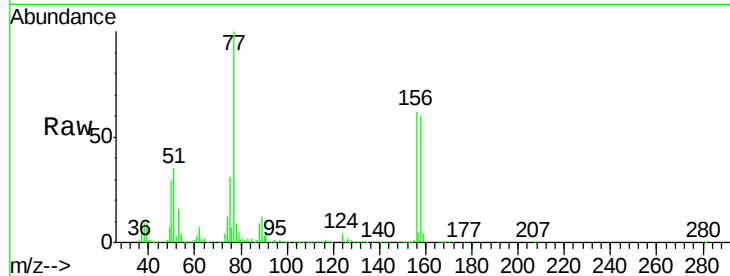
ClientSampleId :

VSTDIC100

Tot Ion:	156	Resp:	572162
Ion Ratio	Lower	Upper	
156	100		
77	182.3	90.0	270.0
158	97.6	48.5	145.5

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#78

n-propylbenzene

Concen: 105.437 ug/l

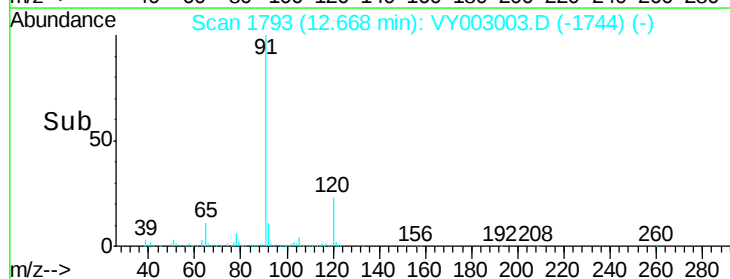
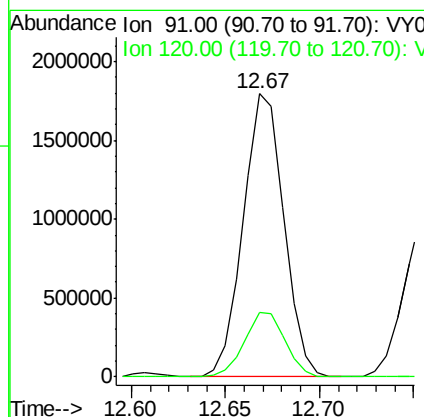
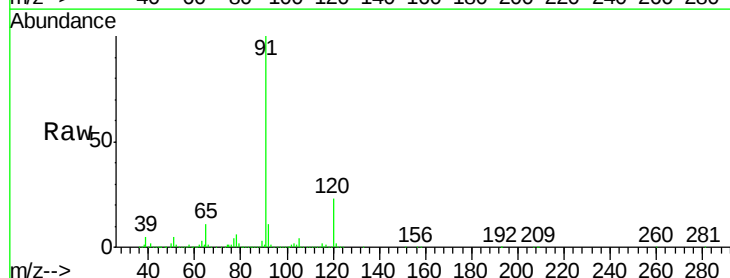
RT: 12.67 min Scan# 1793

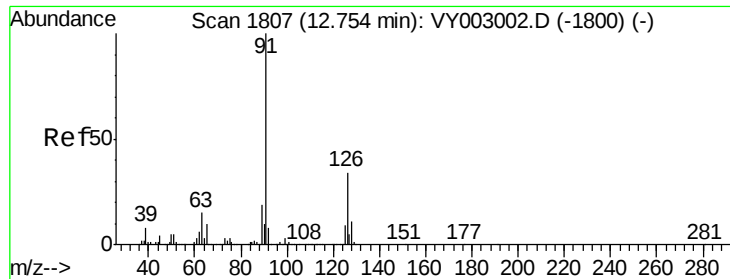
Delta R.T. -0.00 min

Lab File: VY003003.D

Acq: 29 Jun 2020 12:40

Tgt Ion:	91	Resp:	2687963
Ion Ratio	Lower	Upper	
91	100		
120	22.9	11.5	34.5





#79

2-Chlorotoluene

Concen: 106.029 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. -0.00 min

Lab File: VY003003.D

Acq: 29 Jun 2020 12:40

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 1508782

Ion Ratio Lower Upper

91 100

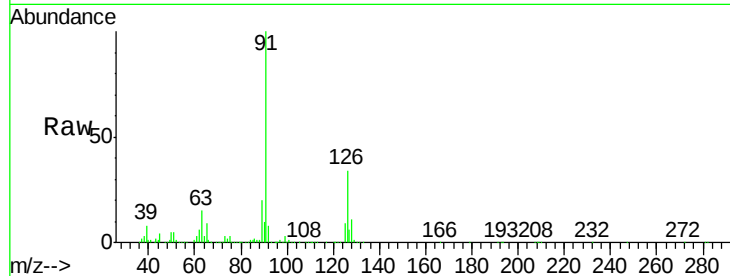
126 34.6 17.1 51.3

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Abundance Ion 91.00 (90.70 to 91.70): VY003002.D (-1800) (-)

Ion 125.90 (125.60 to 126.60): VY003002.D (-1800) (-)

2000000

1500000

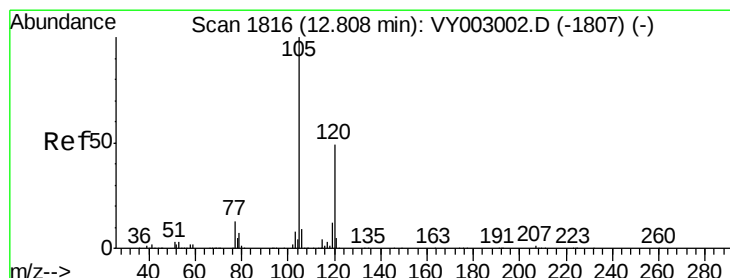
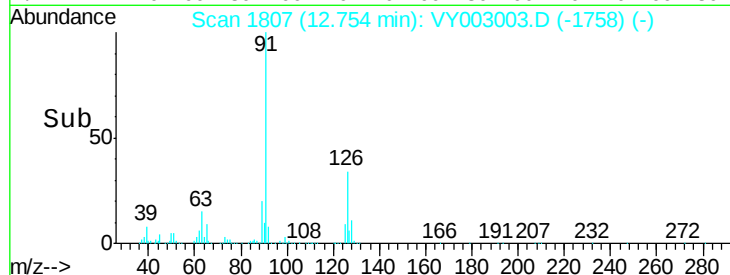
1000000

500000

0

12.70 12.75 12.80

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 105.841 ug/l

RT: 12.81 min Scan# 1817

Delta R.T. 0.01 min

Lab File: VY003003.D

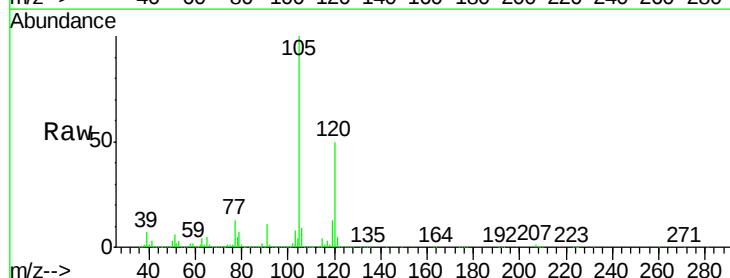
Acq: 29 Jun 2020 12:40

Tgt Ion: 105 Resp: 1882712

Ion Ratio Lower Upper

105 100

120 49.2 24.6 73.6



Abundance Ion 105.00 (104.70 to 105.70): VY003002.D (-1807) (-)

Ion 120.00 (119.70 to 120.70): VY003002.D (-1807) (-)

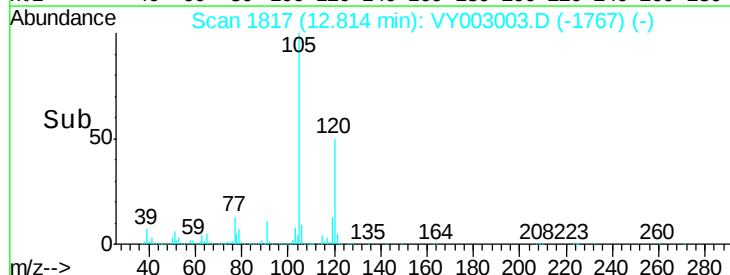
1000000

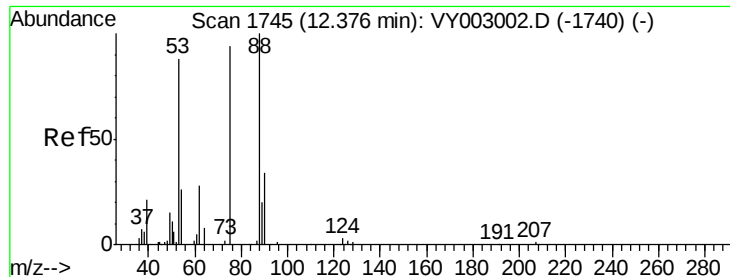
500000

0

12.70 12.80 12.90

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 109.734 ug/l

RT: 12.38 min Scan# 1746

Delta R.T. 0.01 min

Lab File: VY003003.D

Acq: 29 Jun 2020 12:40

Instrument :

MSVOA_Y

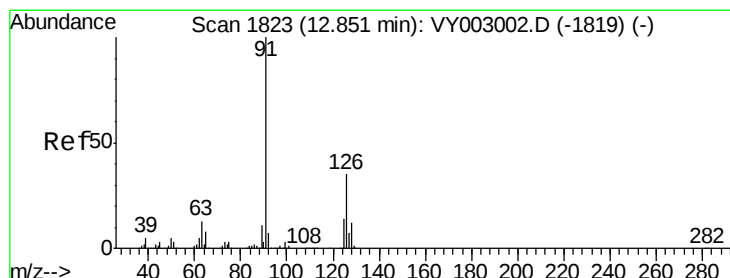
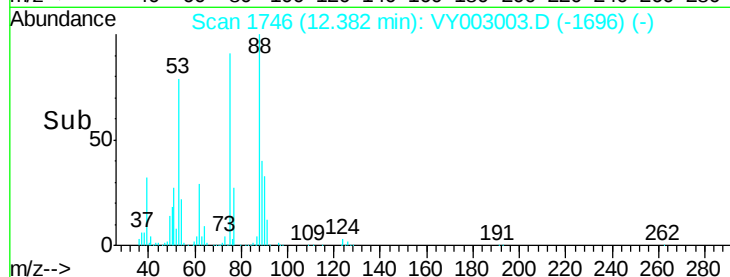
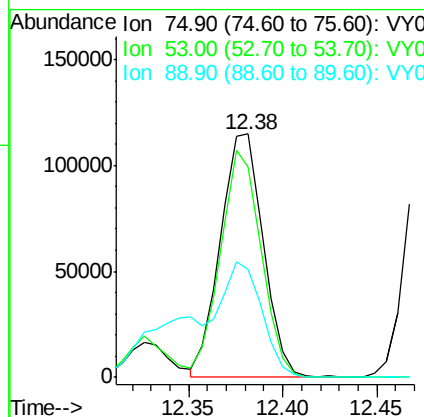
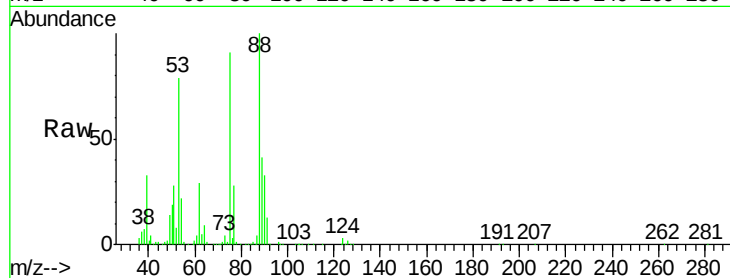
ClientSampleId :

VSTDIC100

Tot Ion:	75	Resp:	180803
Ion Ratio	Lower	Upper	
75	100		
53	88.4	73.9	110.9
89	47.1	37.5	56.3

Manual Integrations
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#82

4-Chlorotoluene

Concen: 105.797 ug/l

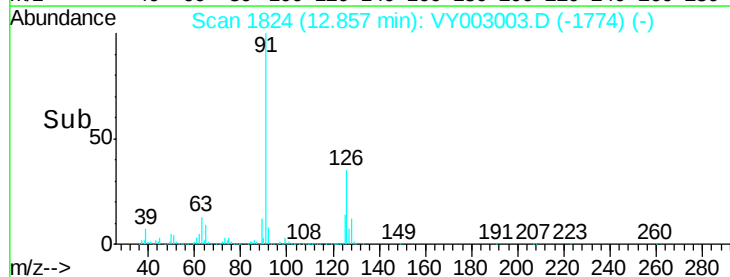
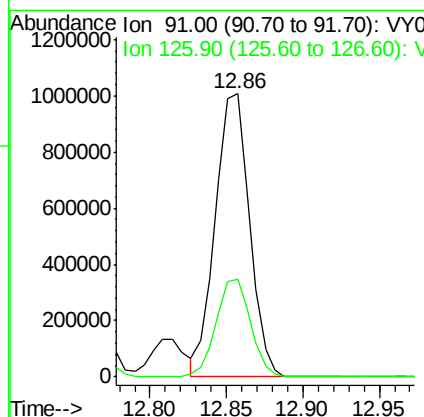
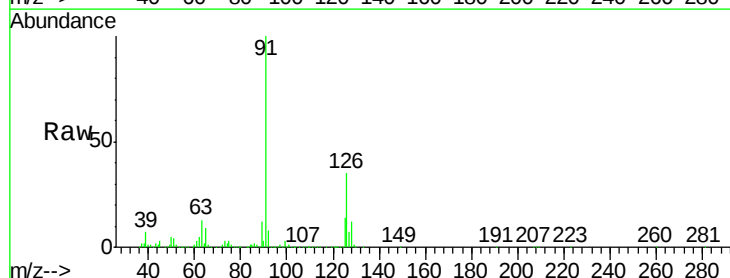
RT: 12.86 min Scan# 1824

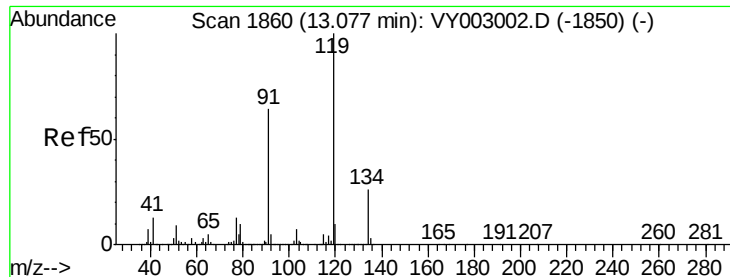
Delta R.T. 0.01 min

Lab File: VY003003.D

Acq: 29 Jun 2020 12:40

Tgt Ion:	91	Resp:	1567445
Ion Ratio	Lower	Upper	
91	100		
126	34.8	17.4	52.3





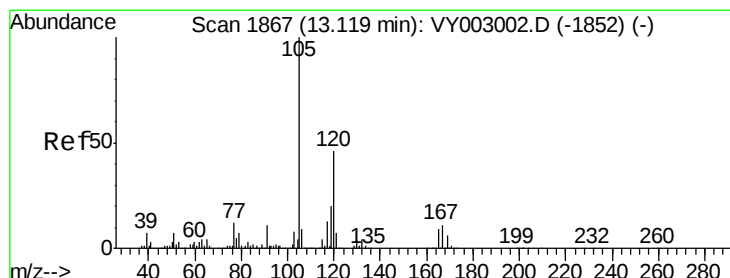
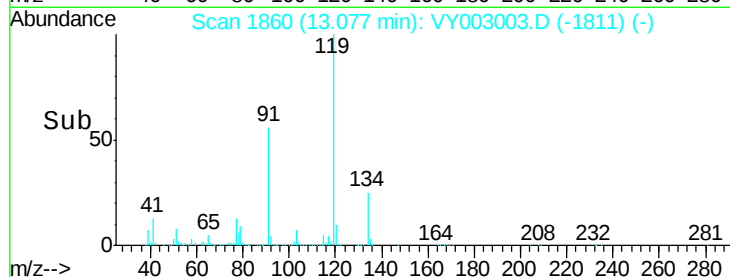
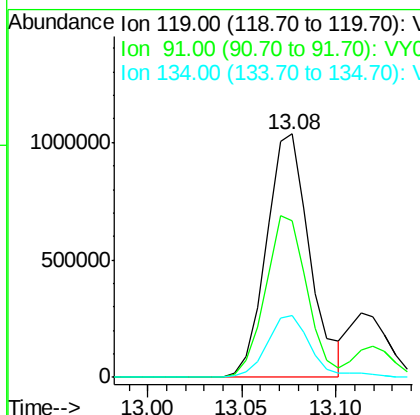
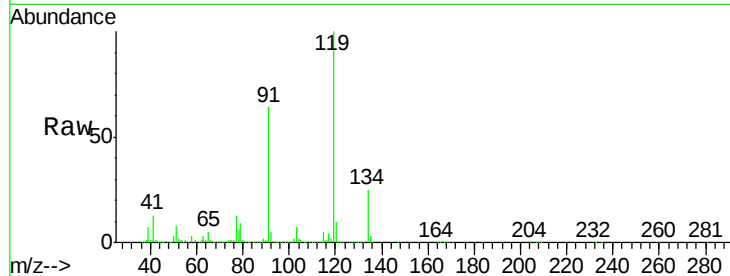
#83
tert-Butylbenzene
Concen: 105.359 ug/l
RT: 13.08 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VY003003.D
Acq: 29 Jun 2020 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion:119 Resp: 1645648
Ion Ratio Lower Upper
119 100
91 63.9 31.6 95.0
134 26.4 13.2 39.5

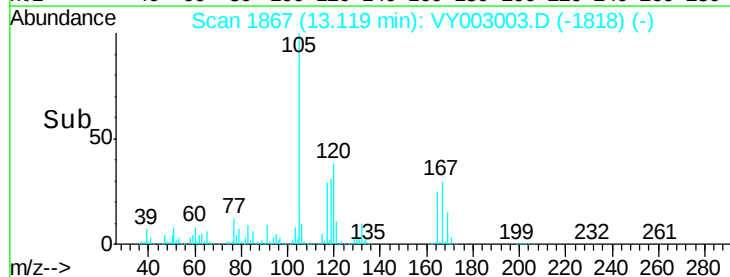
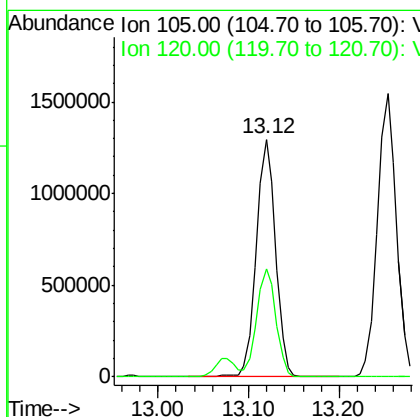
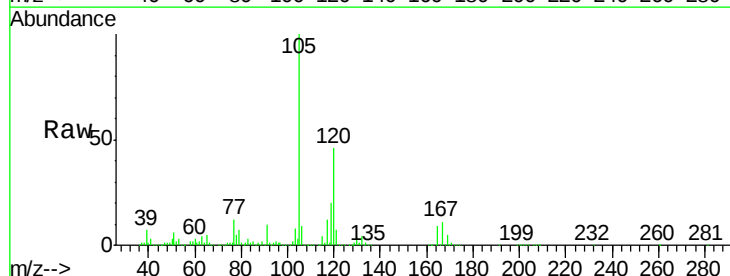
Manual Integrations
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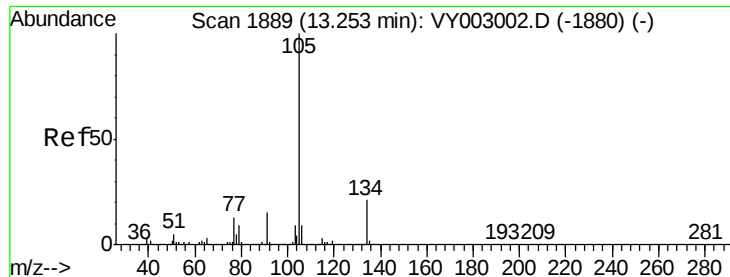
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#84
1,2,4-Trimethylbenzene
Concen: 106.279 ug/l
RT: 13.12 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VY003003.D
Acq: 29 Jun 2020 12:40

Tgt Ion:105 Resp: 1904978
Ion Ratio Lower Upper
105 100
120 44.9 22.6 67.8





#85

sec-Butylbenzene

Concen: 104.234 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VY003003.D

Acq: 29 Jun 2020 12:40

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 2244050

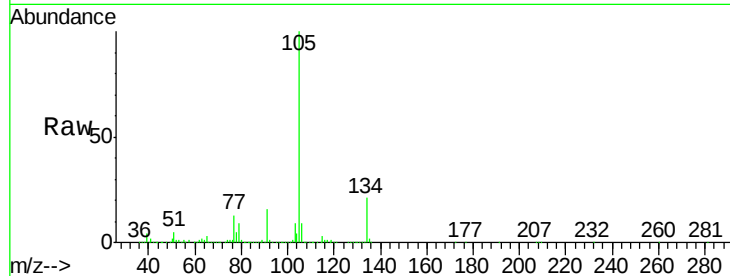
Ion Ratio Lower Upper

105 100

134 20.9 10.4 31.2

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

1500000

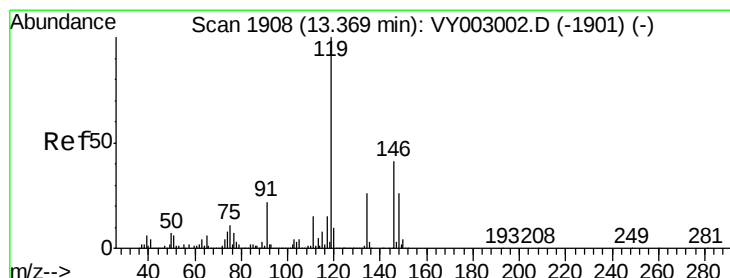
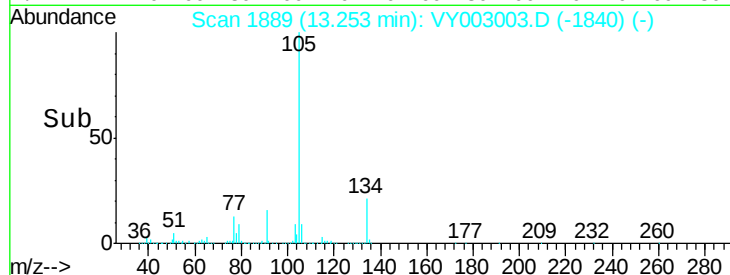
1000000

500000

0

13.20 13.30

Time-->



#86

p-Isopropyltoluene

Concen: 105.864 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. -0.00 min

Lab File: VY003003.D

Acq: 29 Jun 2020 12:40

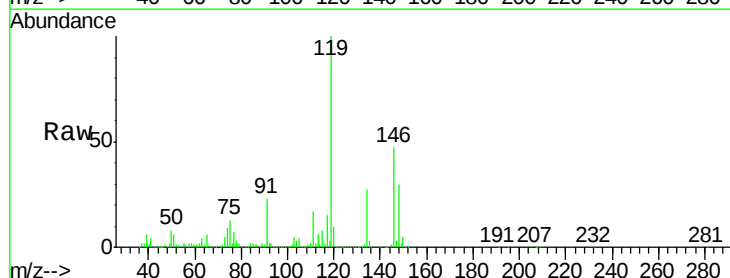
Tgt Ion:119 Resp: 2111886

Ion Ratio Lower Upper

119 100

134 27.0 13.5 40.4

91 23.3 11.5 34.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0

2000000

1500000

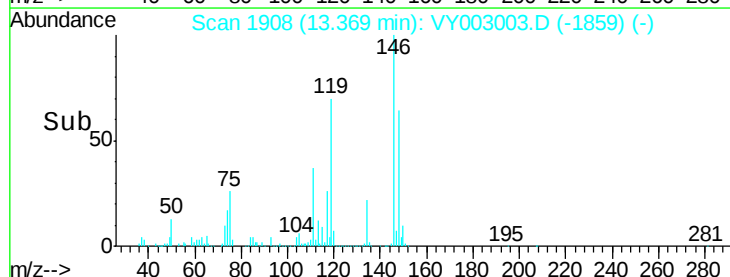
1000000

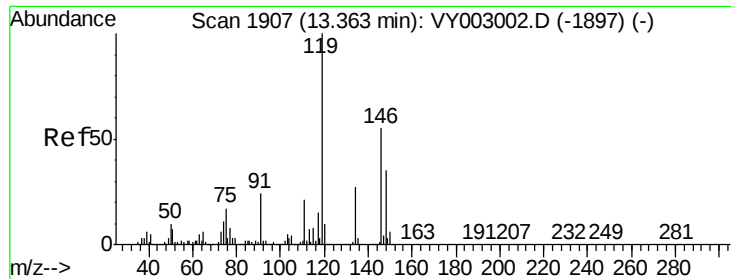
500000

0

13.30 13.35 13.40 13.45

Time-->





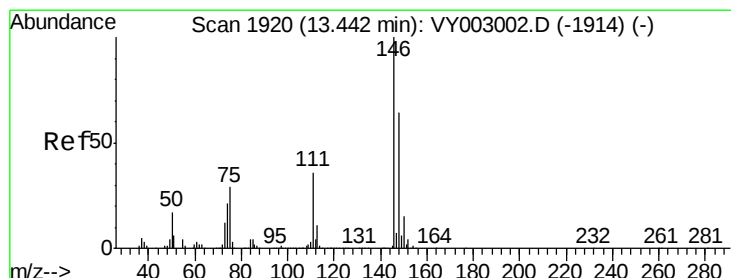
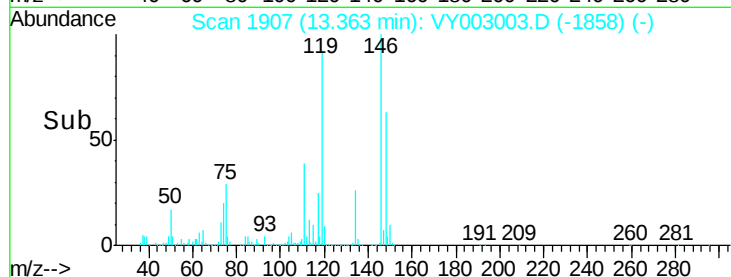
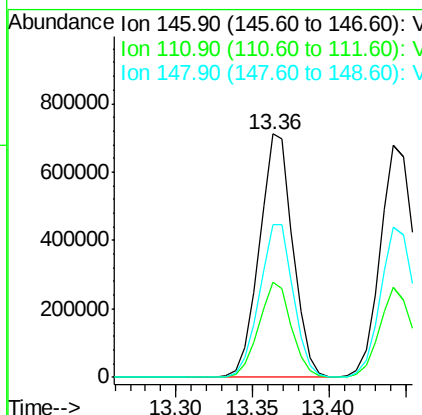
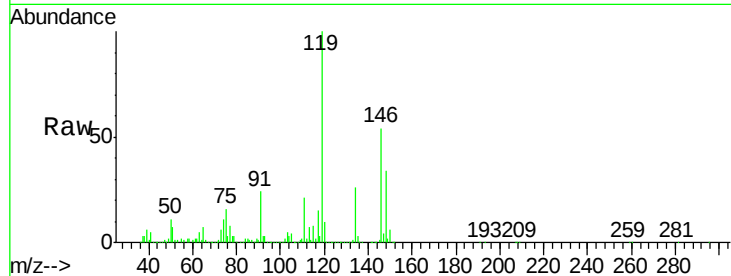
#87
 1,3-Dichlorobenzene
 Concen: 106.858 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. -0.00 min
 Lab File: VY003003.D
 Acq: 29 Jun 2020 12:40

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion:146 Resp: 1084317
 Ion Ratio Lower Upper
 146 100
 111 38.1 18.8 56.3
 148 63.6 31.8 95.3

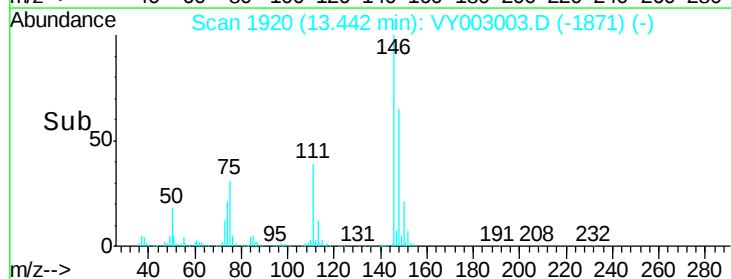
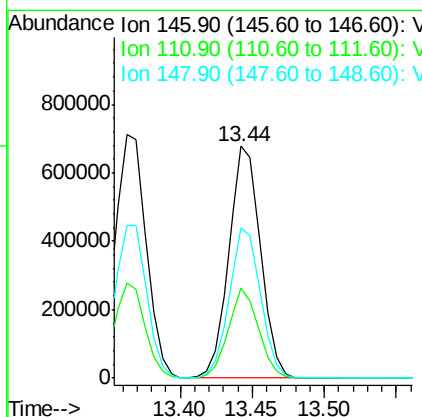
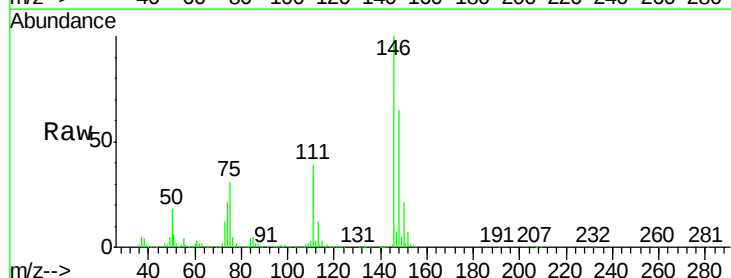
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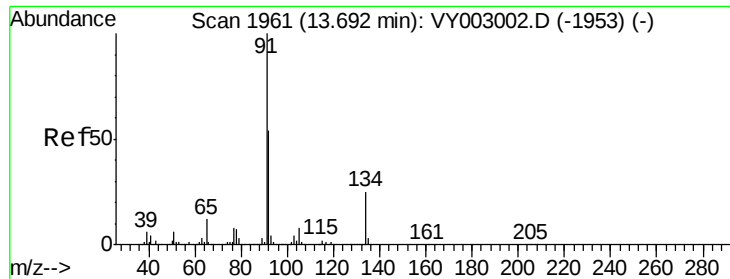
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#88
 1,4-Dichlorobenzene
 Concen: 104.310 ug/l
 RT: 13.44 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VY003003.D
 Acq: 29 Jun 2020 12:40

Tgt Ion:146 Resp: 1043718
 Ion Ratio Lower Upper
 146 100
 111 37.1 18.4 55.4
 148 64.4 32.3 96.9





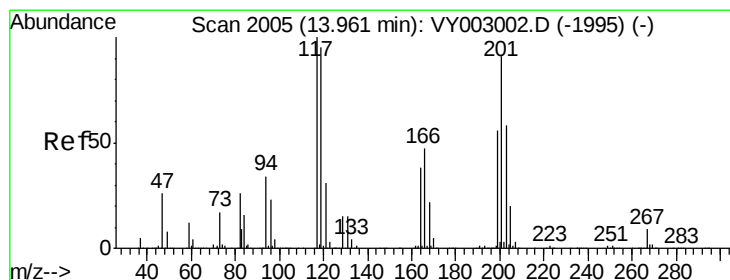
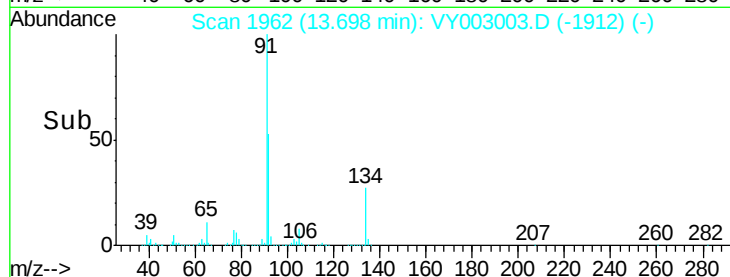
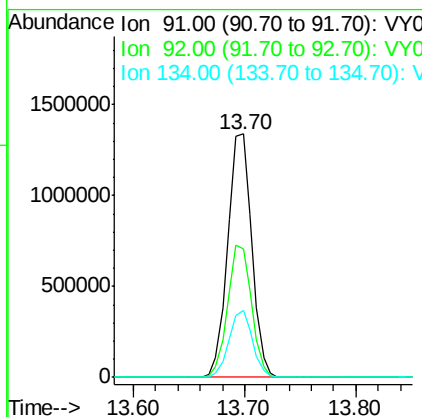
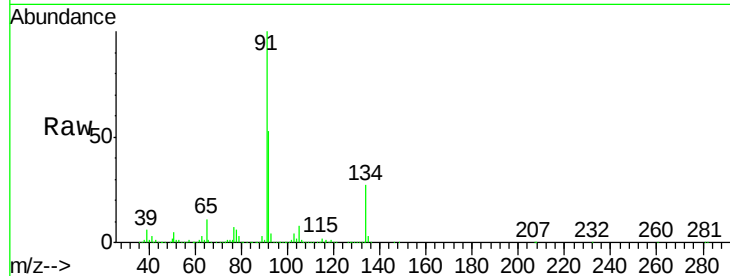
#89
n-Butylbenzene
Concen: 104.510 ug/l
RT: 13.70 min Scan# 1962
Delta R.T. 0.01 min
Lab File: VY003003.D
Acq: 29 Jun 2020 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.9	26.8	80.3
134	26.7	13.1	39.1

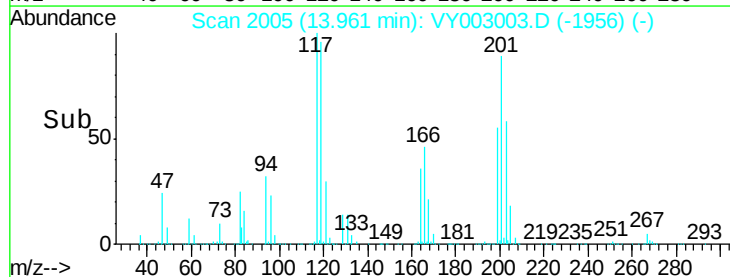
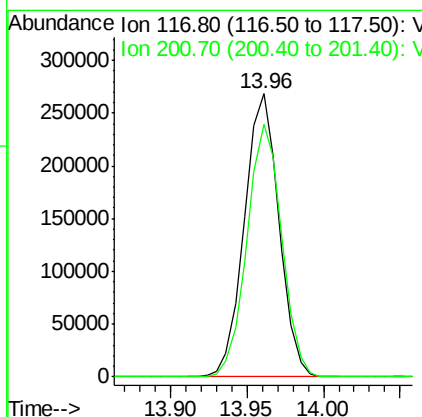
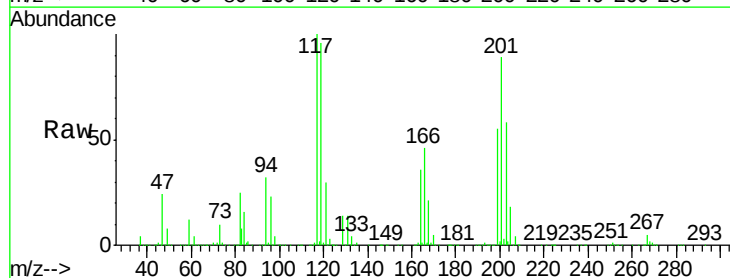
Manual Integrations
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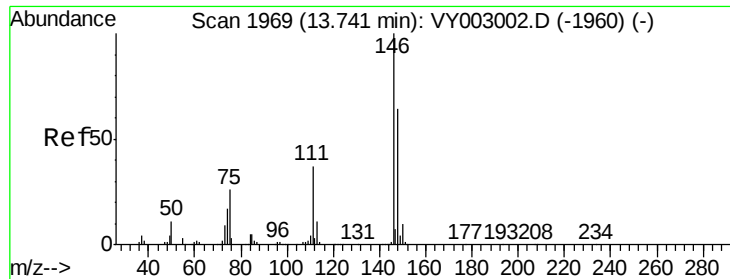
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#90
Hexachloroethane
Concen: 106.397 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. -0.00 min
Lab File: VY003003.D
Acq: 29 Jun 2020 12:40

Tgt Ion	Ratio	Lower	Upper
117	100		
201	89.5	45.5	136.4





#91

1,2-Dichlorobenzene

Concen: 105.034 ug/l

RT: 13.74 min Scan# 1969

Delta R.T. -0.00 min

Lab File: VY003003.D

Acq: 29 Jun 2020 12:40

Instrument :

MSVOA_Y

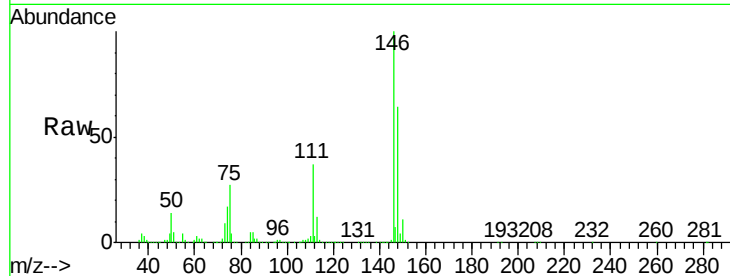
ClientSampleId :

VSTDIC100

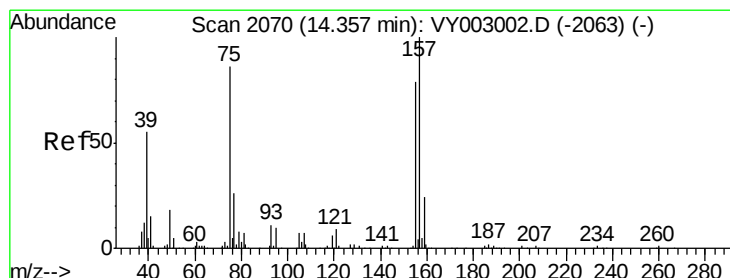
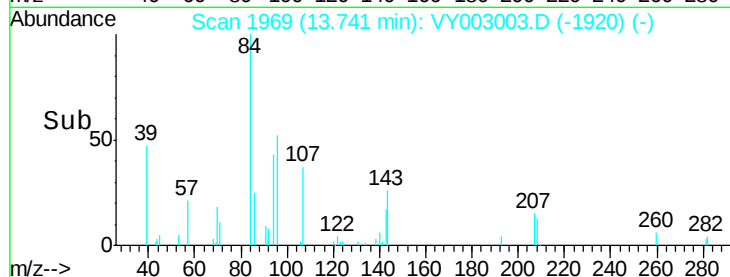
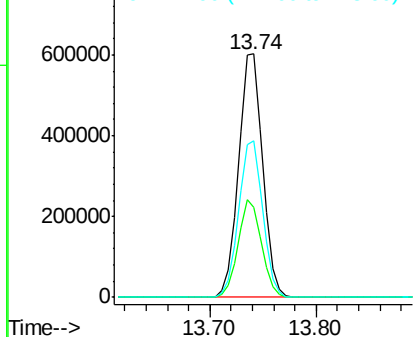
Tot Ion:	146	Resp:	956250
Ion Ratio		Lower	Upper
146	100		
111	38.8	19.1	57.5
148	64.3	31.8	95.3

Manual Integrations
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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 108.931 ug/l

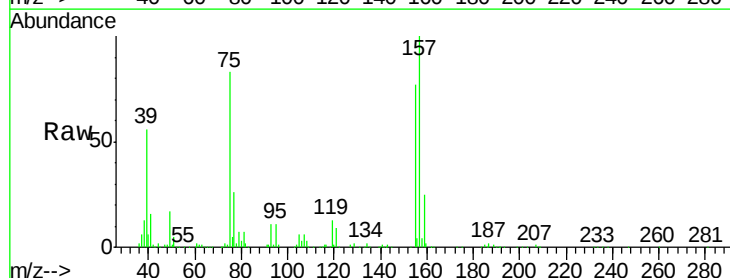
RT: 14.36 min Scan# 2070

Delta R.T. -0.00 min

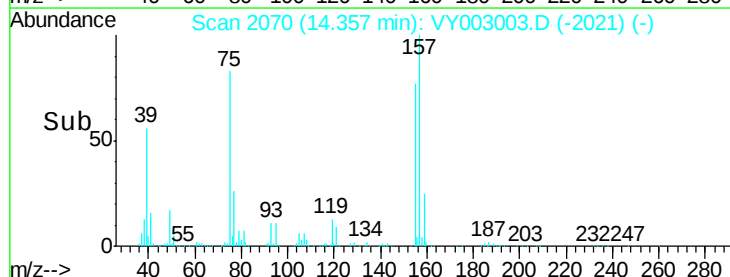
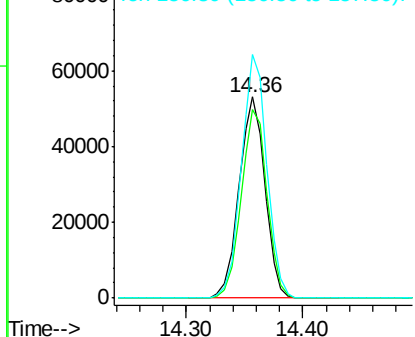
Lab File: VY003003.D

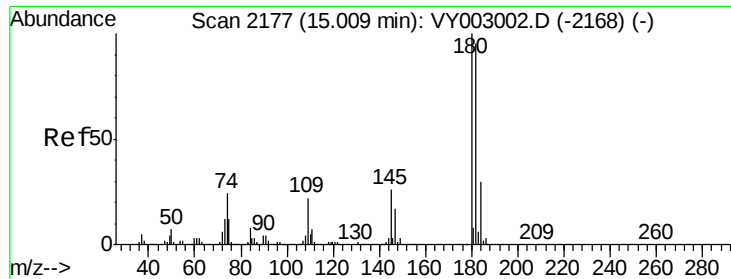
Acq: 29 Jun 2020 12:40

Tgt Ion:	75	Resp:	82491
Ion Ratio		Lower	Upper
75	100		
155	93.1	46.5	139.3
157	119.1	59.2	177.5



Abundance Ion 74.90 (74.60 to 75.60): VY0
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





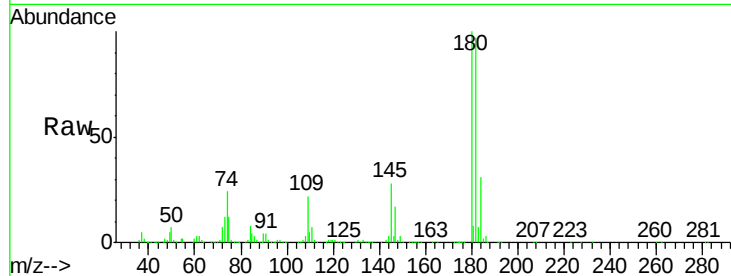
#93
 1,2,4-Trichlorobenzene
 Concen: 105.341 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. -0.00 min
 Lab File: VY003003.D
 Acq: 29 Jun 2020 12:40

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

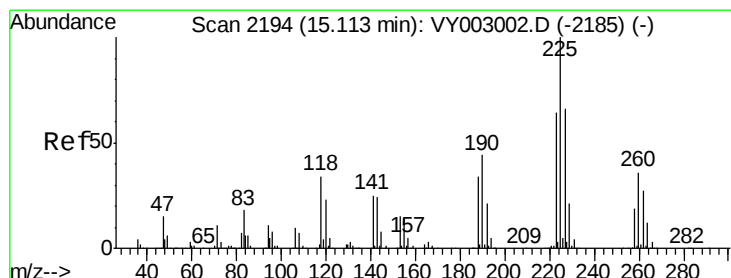
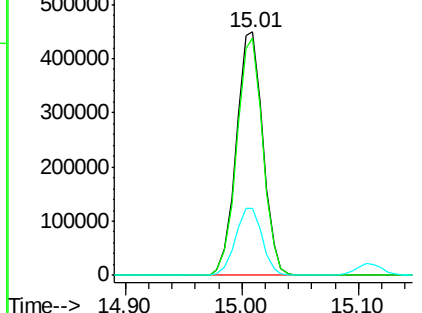
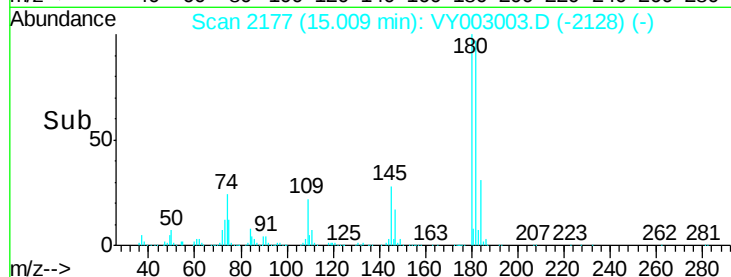
Tot Ion	Ratio	Resp	Lower	Upper
180	100	712638		
182	95.2	48.1	144.3	
145	27.9	13.9	41.6	

Manual Integrations
 APPROVED

MMDadoda
 6/30/2020 12:54:10 PM

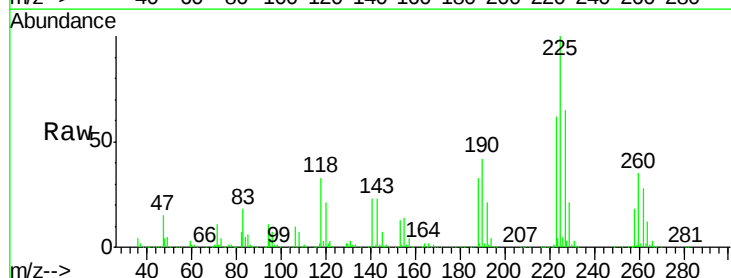


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

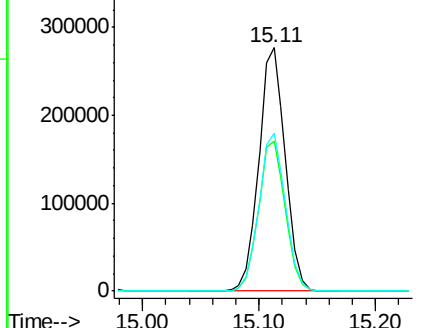
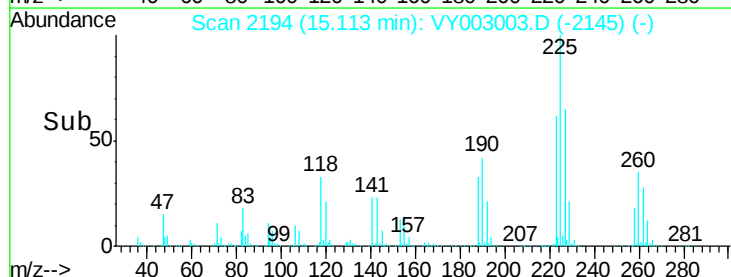


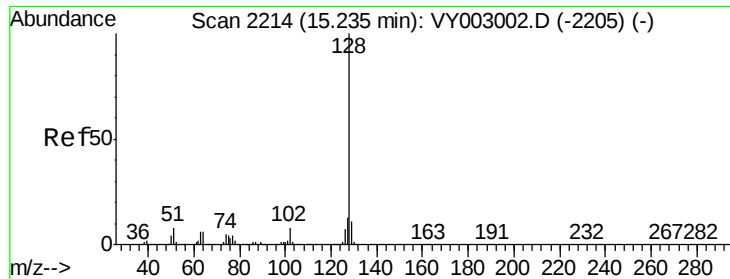
#94
 Hexachlorobutadiene
 Concen: 102.332 ug/l
 RT: 15.11 min Scan# 2194
 Delta R.T. -0.00 min
 Lab File: VY003003.D
 Acq: 29 Jun 2020 12:40

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	436667		
223	62.5	32.4	97.0	
227	65.1	32.4	97.2	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





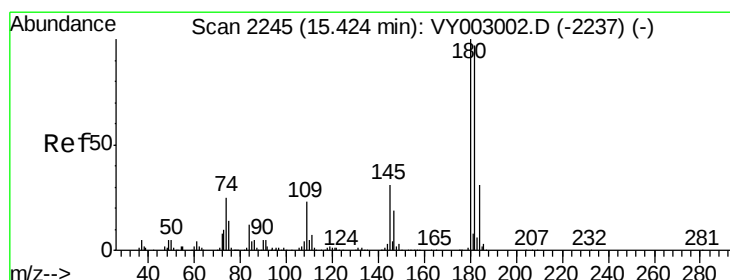
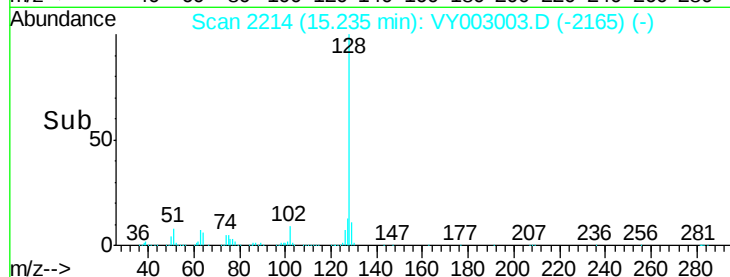
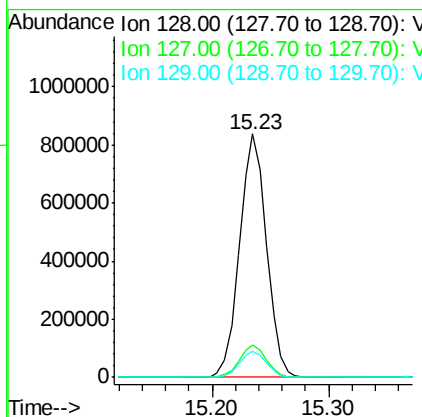
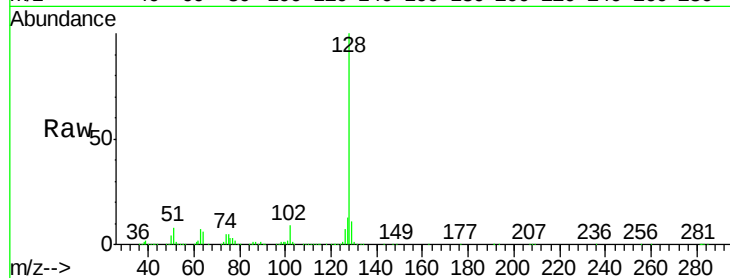
#95
Naphthalene
Concen: 108.904 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VY003003.D
Acq: 29 Jun 2020 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion:128 Resp: 1345670
Ion Ratio Lower Upper
128 100
127 13.3 10.8 16.2
129 10.8 8.8 13.2

Manual Integrations
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6/30/2020 12:54:10 PM



#96
1,2,3-Trichlorobenzene
Concen: 105.687 ug/l
RT: 15.42 min Scan# 2245
Delta R.T. -0.00 min
Lab File: VY003003.D
Acq: 29 Jun 2020 12:40

Tgt Ion:180 Resp: 620841
Ion Ratio Lower Upper
180 100
182 95.9 47.8 143.3
145 29.2 14.7 44.1

