

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY061620\
 Data File : VY002911.D
 Acq On : 16 Jun 2020 16:06
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 6.42G/5ML/MSVOA Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/18/2020 11:14:30 AM

Quant Time: Jun 17 02:45:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y052720S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 27 13:13:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	278174	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	409686	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	384595	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	208111	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.14	65	115480	47.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.62%	
35) Dibromofluoromethane	7.72	113	118842	49.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.00%	
50) Toluene-d8	10.18	98	454470	46.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.64%	
62) 4-Bromofluorobenzene	12.48	95	161430	48.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	83531	43.641	ug/l	97
3) Chloromethane	2.11	50	94319	44.550	ug/l	98
4) Vinyl Chloride	2.26	62	106389	47.543	ug/l	100
5) Bromomethane	2.65	94	77267	46.076	ug/l	97
6) Chloroethane	2.80	64	67881	46.794	ug/l	94
7) Trichlorofluoromethane	3.13	101	190714	48.120	ug/l	100
8) Diethyl Ether	3.54	74	72340	46.745	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.91	101	118504	50.360	ug/l	97
10) Methyl Iodide	4.10	142	156172	47.430	ug/l	100
11) Tert butyl alcohol	4.97	59	65505	252.459	ug/l	99
12) 1,1-Dichloroethene	3.88	96	114428	48.354	ug/l	96
13) Acrolein	3.74	56	55325	195.461	ug/l	99
14) Allyl chloride	4.49	41	167689	49.407	ug/l	99
15) Acrylonitrile	5.18	53	179424	257.000	ug/l	98
16) Acetone	3.96	43	156586	276.476	ug/l	99
17) Carbon Disulfide	4.20	76	304530	42.585	ug/l	100
18) Methyl Acetate	4.49	43	74950	52.793	ug/l	99
19) Methyl tert-butyl Ether	5.22	73	337876	51.718	ug/l	97
20) Methylene Chloride	4.72	84	133741	48.321	ug/l	99
21) trans-1,2-Dichloroethene	5.22	96	127709	47.987	ug/l	99
22) Diisopropyl ether	6.13	45	359797	51.013	ug/l	97
23) Vinyl Acetate	6.07	43	1208521	259.529	ug/l	100
24) 1,1-Dichloroethane	6.03	63	211141	51.175	ug/l	99
25) 2-Butanone	6.99	43	226009	256.132	ug/l	100
26) 2,2-Dichloropropane	6.99	77	199216	50.346	ug/l	99
27) cis-1,2-Dichloroethene	6.99	96	147872	49.634	ug/l	99
28) Bromochloromethane	7.34	49	82734	48.847	ug/l	100
29) Tetrahydrofuran	7.35	42	142723	248.662	ug/l	98
30) Chloroform	7.52	83	227523	51.968	ug/l	97
31) Cyclohexane	7.79	56	183196	44.721	ug/l	98
32) 1,1,1-Trichloroethane	7.71	97	205988	50.490	ug/l	99
36) 1,1-Dichloropropene	7.92	75	170266	49.337	ug/l	100
37) Ethyl Acetate	7.08	43	97661	52.012	ug/l	100
38) Carbon Tetrachloride	7.91	117	195336	50.951	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	215777	47.435	ug/l	98
40) Benzene	8.16	78	508569	49.873	ug/l	99
41) Methacrylonitrile	7.32	41	52437m	51.984	ug/l	
42) 1,2-Dichloroethane	8.24	62	144581	50.591	ug/l	99
43) Isopropyl Acetate	8.28	43	184192	51.766	ug/l	99
44) Trichloroethene	8.94	130	158902	49.333	ug/l	97
45) 1,2-Dichloropropane	9.22	63	125292	51.235	ug/l	100
46) Dibromomethane	9.31	93	74060	50.995	ug/l	99
47) Bromodichloromethane	9.50	83	179351	52.384	ug/l	99
48) Methyl methacrylate	9.30	41	82001	51.051	ug/l	99
49) 1,4-Dioxane	9.31	88	21667	971.631	ug/l	98
51) 4-Methyl-2-Pentanone	10.07	43	493087	261.704	ug/l	100
52) Toluene	10.25	92	335148	50.241	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	195022	52.151	ug/l	99
54) cis-1,3-Dichloropropene	9.93	75	217517	51.333	ug/l	98
55) 1,1,2-Trichloroethane	10.64	97	113635	51.108	ug/l	97
56) Ethyl methacrylate	10.51	69	154993	52.045	ug/l	99
57) 1,3-Dichloropropane	10.79	76	188021	51.413	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	365840	251.407	ug/l	100
59) 2-Hexanone	10.83	43	352966	264.029	ug/l	99
60) Dibromochloromethane	10.99	129	149852	53.160	ug/l	100
61) 1,2-Dibromoethane	11.09	107	112663	51.367	ug/l	100
64) Tetrachloroethene	10.72	164	165284	47.286	ug/l	98
65) Chlorobenzene	11.52	112	380695	50.081	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	148343	51.816	ug/l	99
67) Ethyl Benzene	11.59	91	663150	50.322	ug/l	99
68) m/p-Xylenes	11.70	106	512411	100.288	ug/l	100
69) o-Xylene	12.03	106	244235	50.635	ug/l	99
70) Styrene	12.05	104	426042	50.952	ug/l	99
71) Bromoform	12.21	173	102514	53.514	ug/l	100
73) Isopropylbenzene	12.33	105	668490	50.124	ug/l	100
74) N-amyl acetate	12.14	43	172502	50.411	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	125659	53.701	ug/l	98
76) 1,2,3-Trichloropropane	12.64	75	99664m	53.148	ug/l	
77) Bromobenzene	12.61	156	173128	49.855	ug/l	100
78) n-propylbenzene	12.67	91	776427	50.400	ug/l	99
79) 2-Chlorotoluene	12.76	91	428768	49.617	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	564623	50.705	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	50565	50.802	ug/l	98
82) 4-Chlorotoluene	12.86	91	452709	50.001	ug/l	100
83) tert-Butylbenzene	13.08	119	501308	50.469	ug/l	100
84) 1,2,4-Trimethylbenzene	13.12	105	561494	50.148	ug/l	99
85) sec-Butylbenzene	13.25	105	687120	50.593	ug/l	100
86) p-Isopropyltoluene	13.37	119	638682	50.539	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	327301	49.757	ug/l	100
88) 1,4-Dichlorobenzene	13.45	146	329853	50.128	ug/l	99
89) n-Butylbenzene	13.70	91	573885	50.018	ug/l	100
90) Hexachloroethane	13.96	117	120288	50.843	ug/l	98
91) 1,2-Dichlorobenzene	13.74	146	303006	50.793	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	22887	50.838	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	217907	48.461	ug/l	100
94) Hexachlorobutadiene	15.11	225	125318	49.138	ug/l	99
95) Naphthalene	15.23	128	434210	48.162	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	193406	48.167	ug/l	98

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

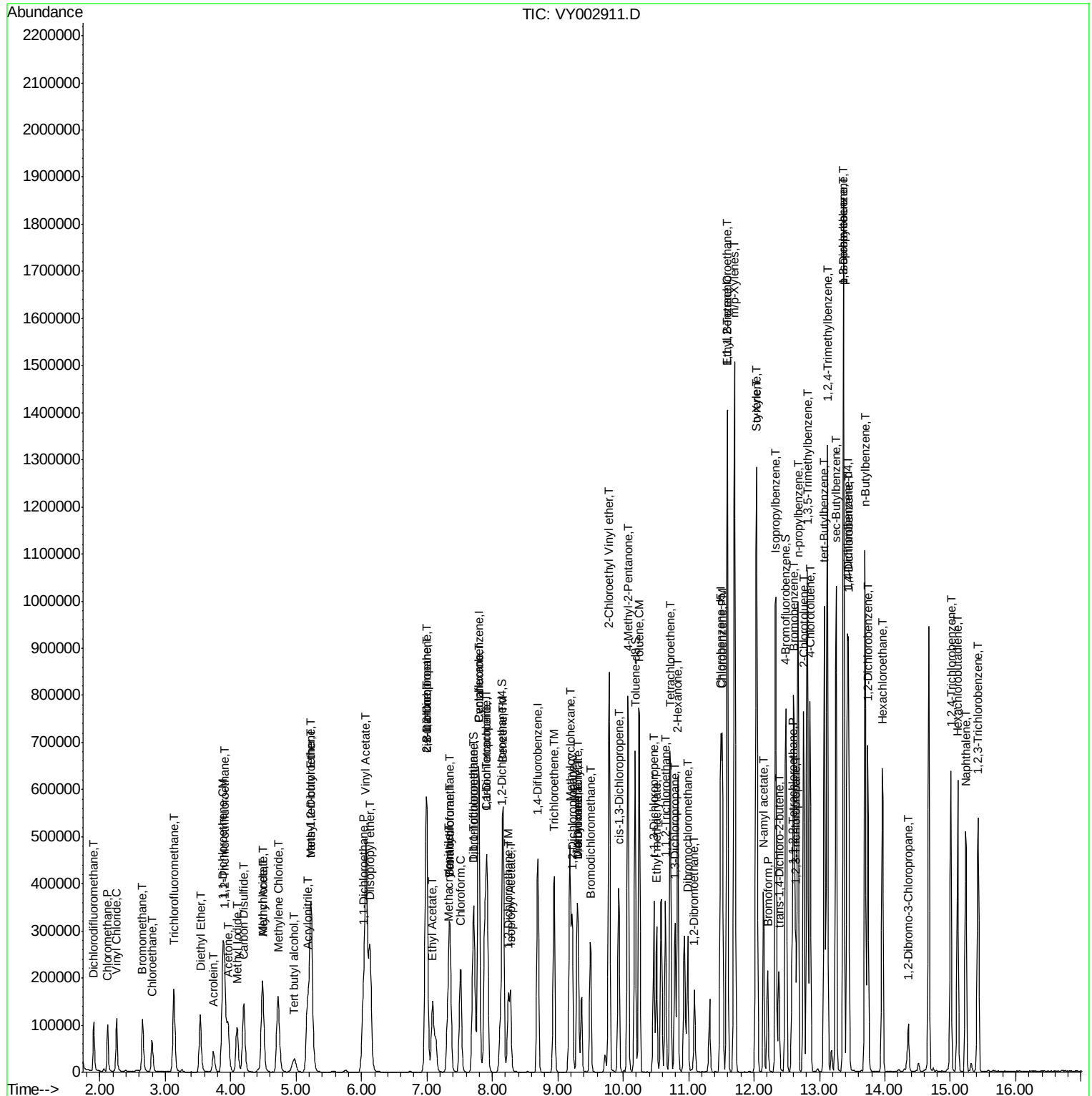
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY061620\
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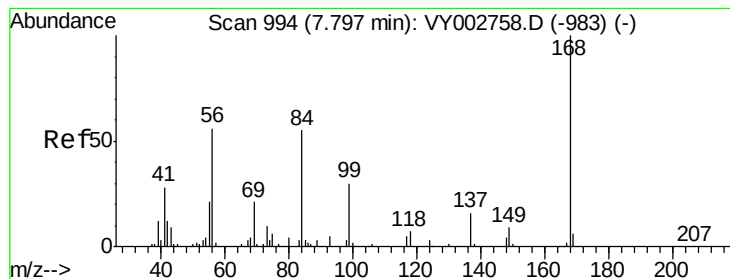
Instrument :
MSVOA_Y
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.00 min

Lab File: VY002911.D

Acq: 16 Jun 2020 16:06

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 278174

Ion Ratio Lower Upper

168 100

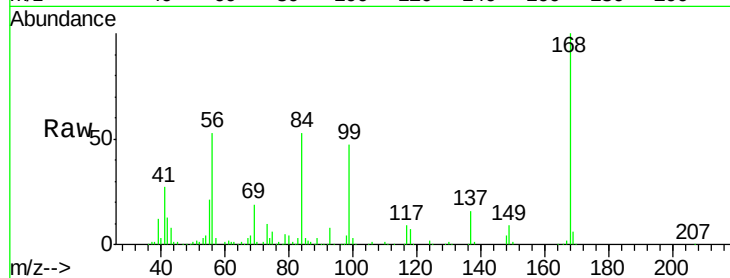
99 47.3 39.0 58.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VY002758.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY002758.D (-983) (-)

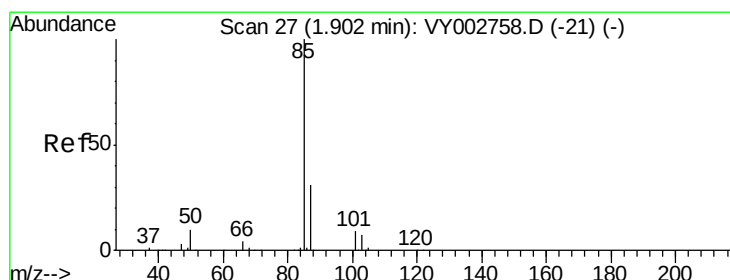
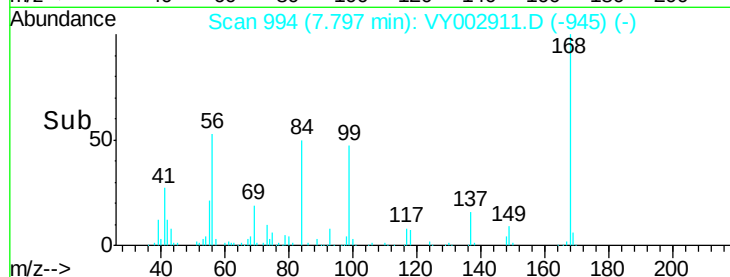
7.80

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 43.641 ug/l

RT: 1.91 min Scan# 28

Delta R.T. 0.01 min

Lab File: VY002911.D

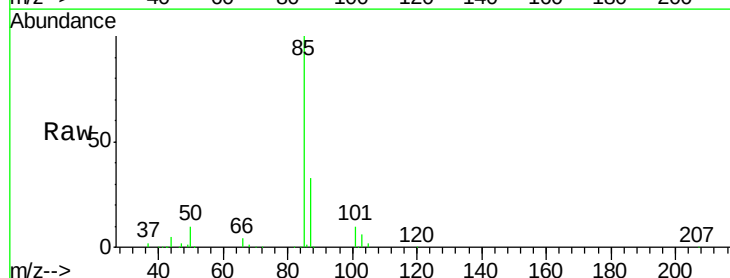
Acq: 16 Jun 2020 16:06

Tgt Ion: 85 Resp: 83531

Ion Ratio Lower Upper

85 100

87 32.9 15.5 46.5



Abundance Ion 84.90 (84.60 to 85.60): VY002758.D (-21) (-)

Ion 86.90 (86.60 to 87.60): VY002758.D (-21) (-)

1.91

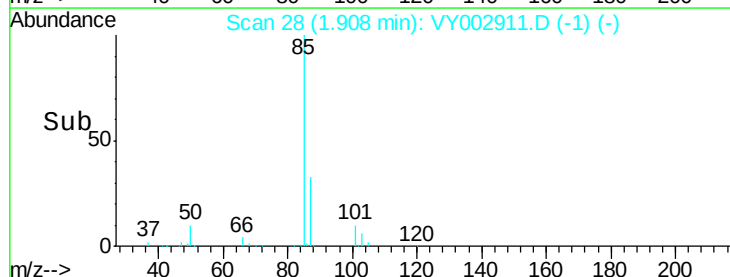
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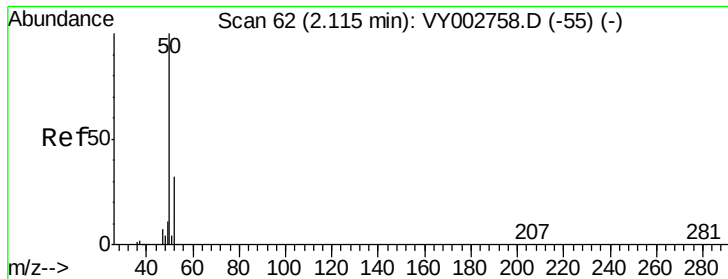
40000

20000

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Time-->





#3

Chloromethane

Concen: 44.550 ug/l

RT: 2.11 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY002911.D

Acq: 16 Jun 2020 16:06

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 94319

Ion Ratio Lower Upper

50 100

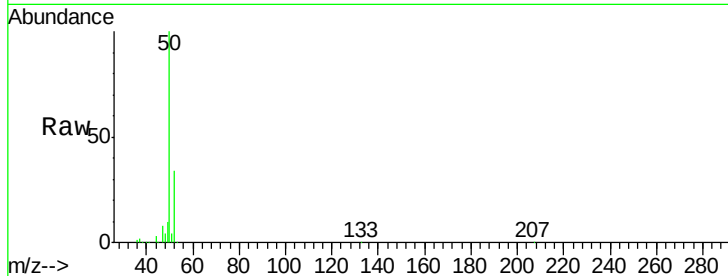
52 33.6 25.8 38.6

Manual Integrations

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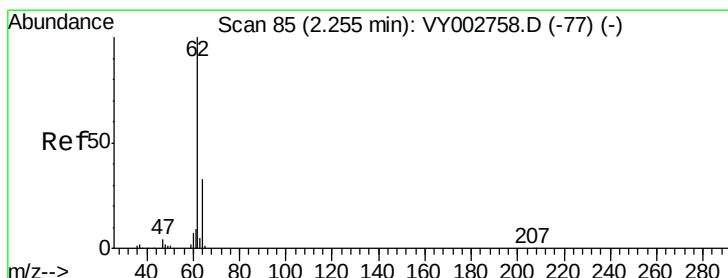
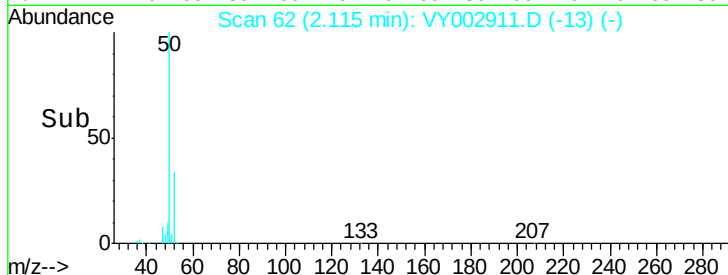
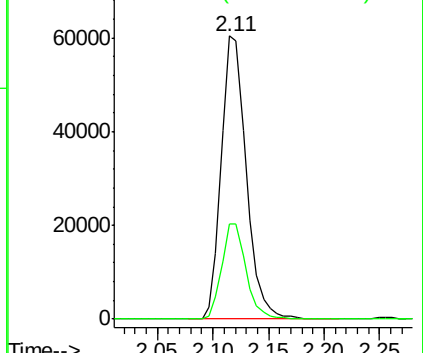
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Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 47.543 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.00 min

Lab File: VY002911.D

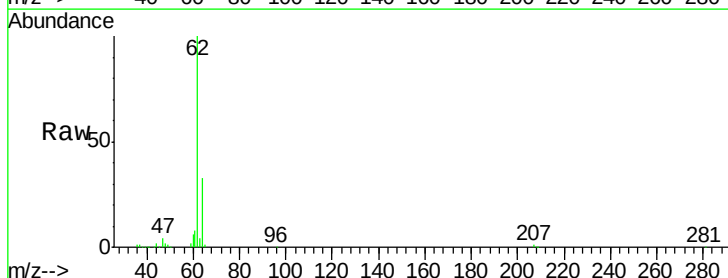
Acq: 16 Jun 2020 16:06

Tgt Ion: 62 Resp: 106389

Ion Ratio Lower Upper

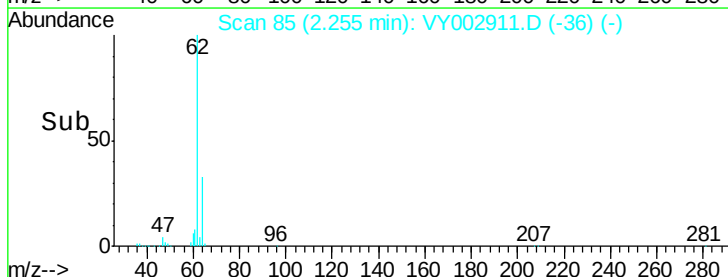
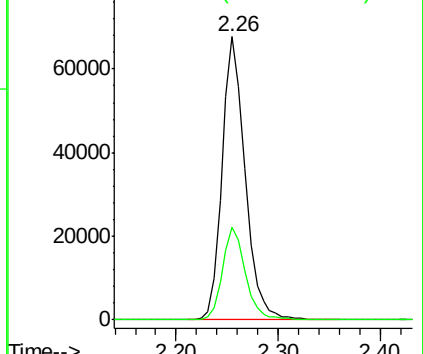
62 100

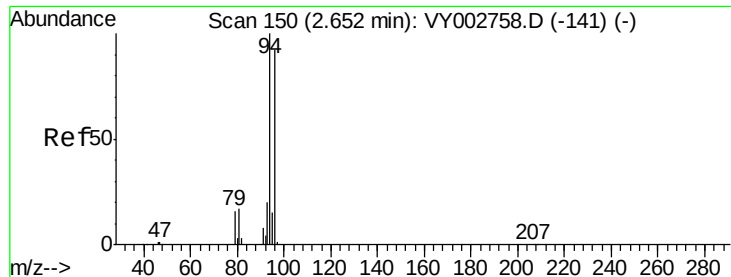
64 32.6 26.1 39.1



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 46.076 ug/l

RT: 2.65 min Scan# 150

Delta R.T. -0.00 min

Lab File: VY002911.D

Acq: 16 Jun 2020 16:06

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 77267

Ion Ratio Lower Upper

94 100

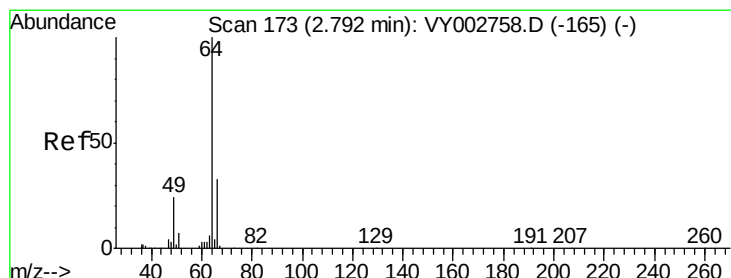
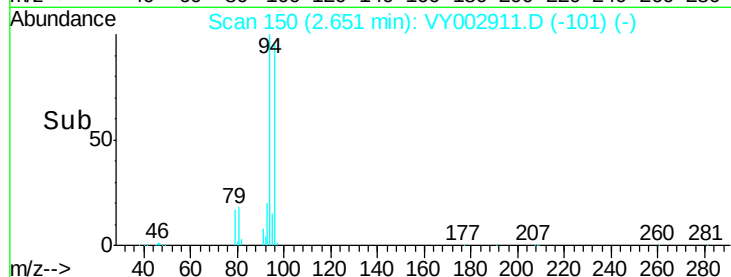
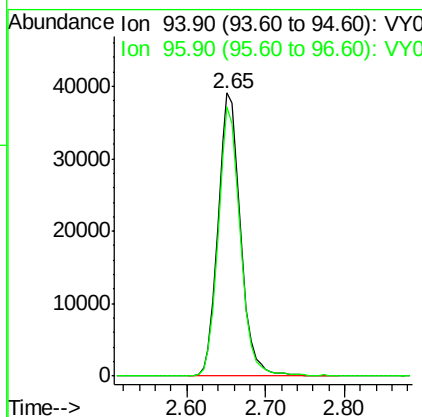
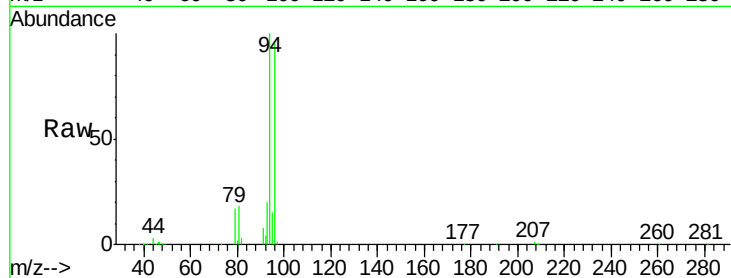
96 95.1 73.7 110.5

Manual Integrations

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#6

Chloroethane

Concen: 46.794 ug/l

RT: 2.80 min Scan# 174

Delta R.T. 0.01 min

Lab File: VY002911.D

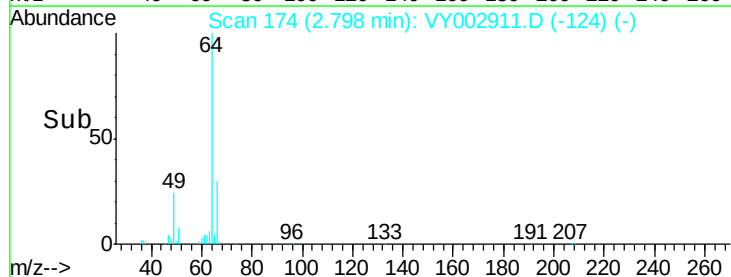
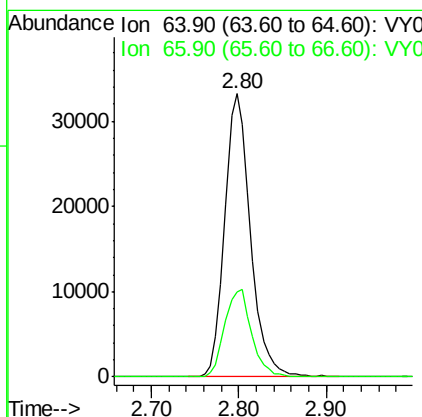
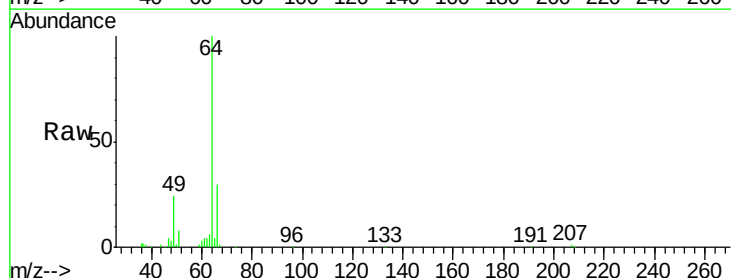
Acq: 16 Jun 2020 16:06

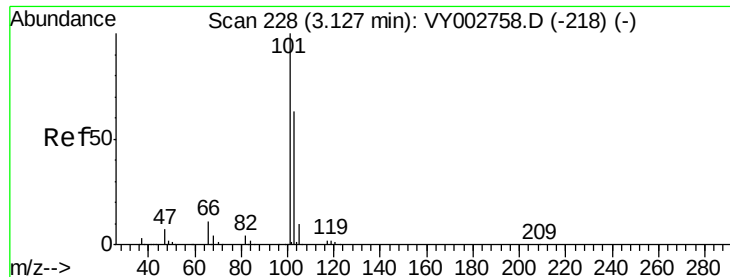
Tgt Ion: 64 Resp: 67881

Ion Ratio Lower Upper

64 100

66 29.8 26.4 39.6





#7

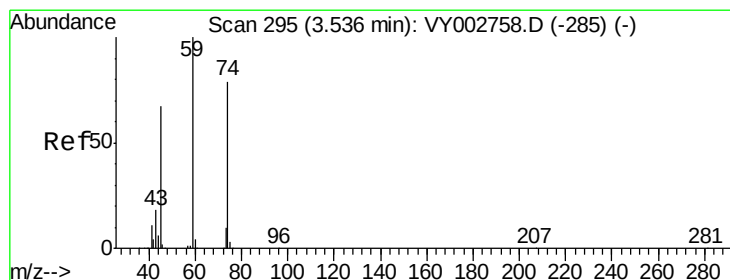
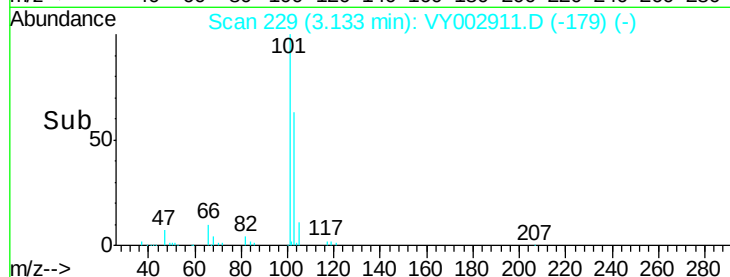
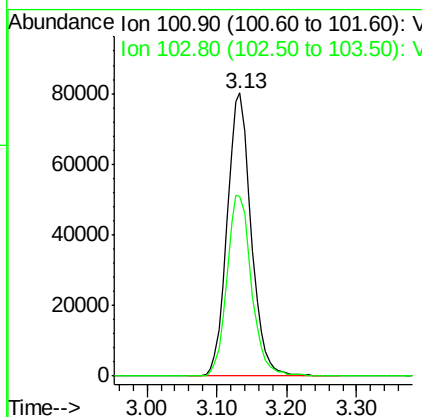
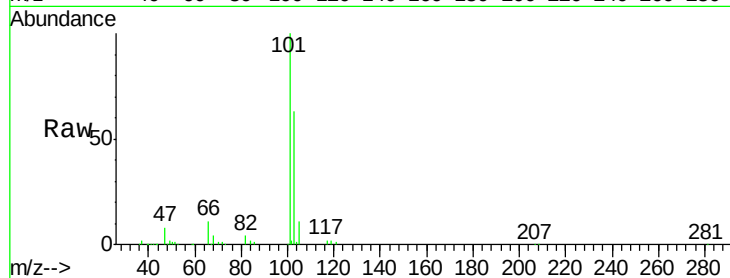
Trichlorofluoromethane
 Concen: 48.120 ug/l
 RT: 3.13 min Scan# 229
 Delta R.T. 0.01 min
 Lab File: VY002911.D
 Acq: 16 Jun 2020 16:06

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.4	50.6	76.0

Manual Integrations
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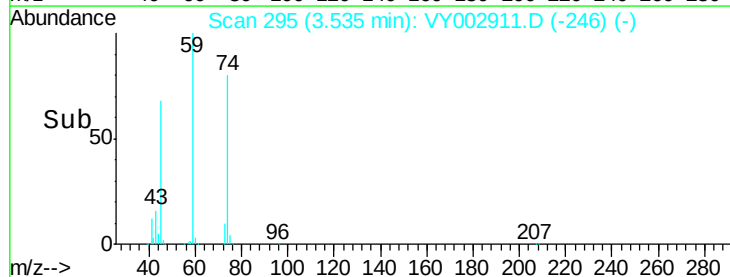
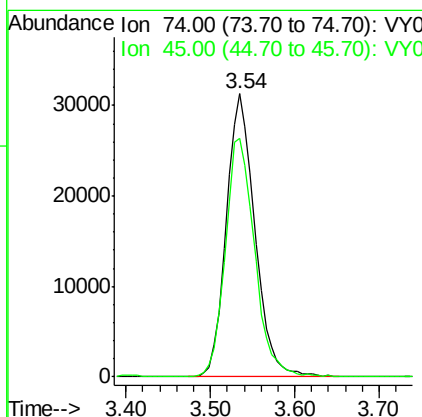
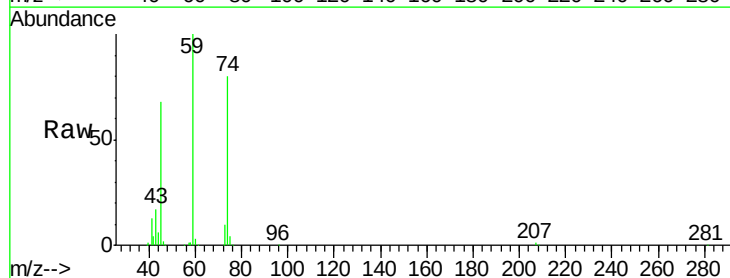
MMDadoda
 6/18/2020 11:14:30 AM

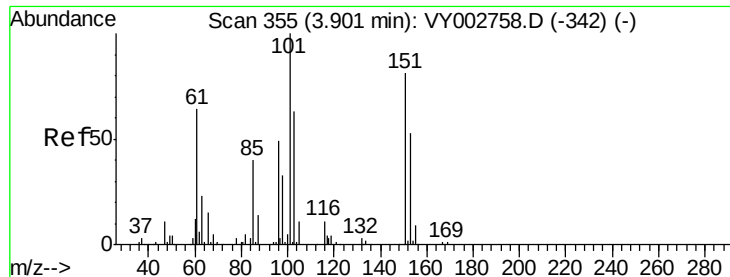


#8

Diethyl Ether
 Concen: 46.745 ug/l
 RT: 3.54 min Scan# 295
 Delta R.T. -0.00 min
 Lab File: VY002911.D
 Acq: 16 Jun 2020 16:06

Tgt Ion	Ratio	Lower	Upper
74	100		
45	86.6	44.0	131.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.360 ug/l

RT: 3.91 min Scan# 356

Delta R.T. 0.01 min

Lab File: VY002911.D

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MSVOA_Y

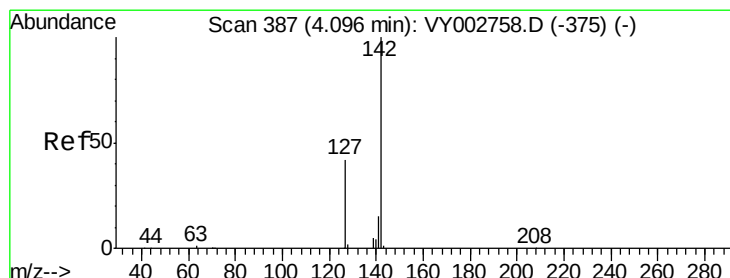
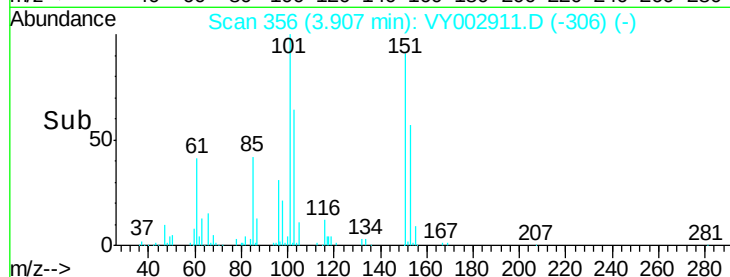
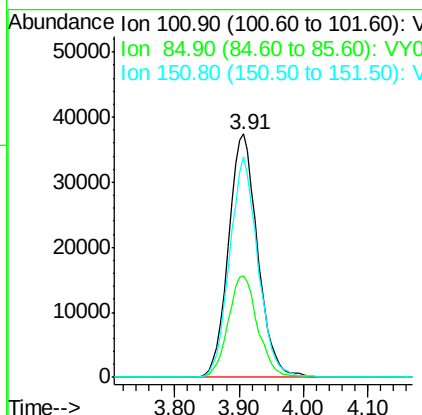
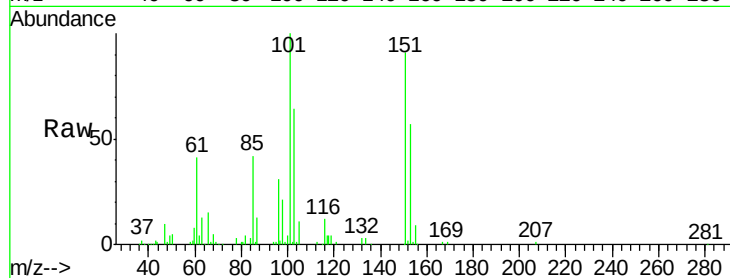
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	118504
Ion Ratio	Lower	Upper	
101	100		
85	42.2	32.7	49.1
151	87.9	68.0	102.0

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#10

Methyl Iodide

Concen: 47.430 ug/l

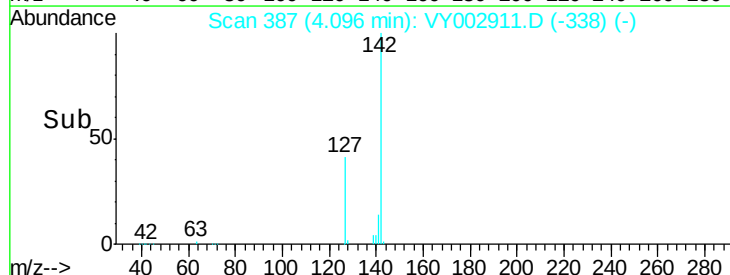
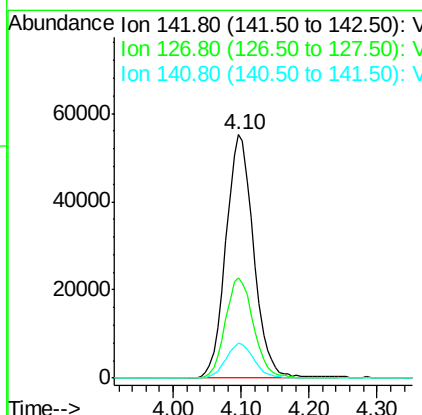
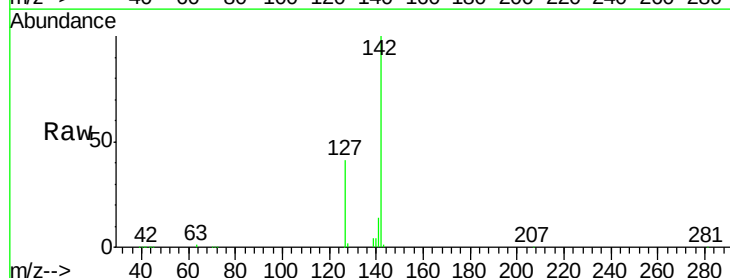
RT: 4.10 min Scan# 387

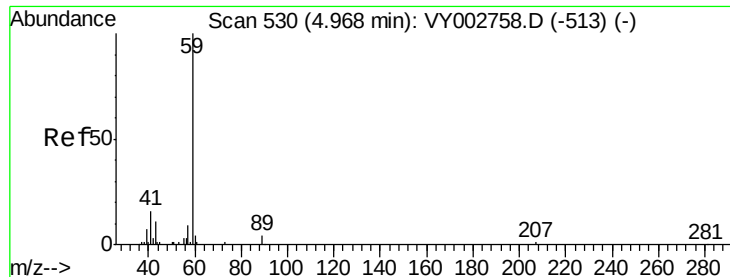
Delta R.T. -0.00 min

Lab File: VY002911.D

Acq: 16 Jun 2020 16:06

Tgt Ion:	142	Resp:	156172
Ion Ratio	Lower	Upper	
142	100		
127	42.0	33.3	49.9
141	14.4	11.5	17.3





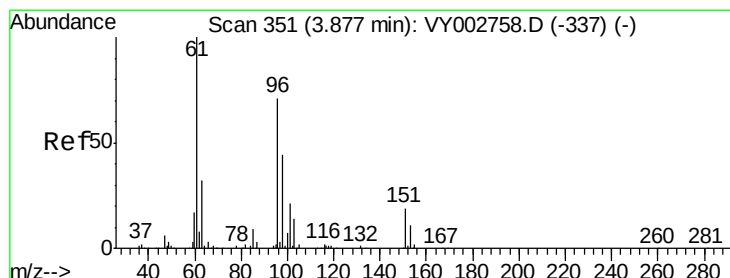
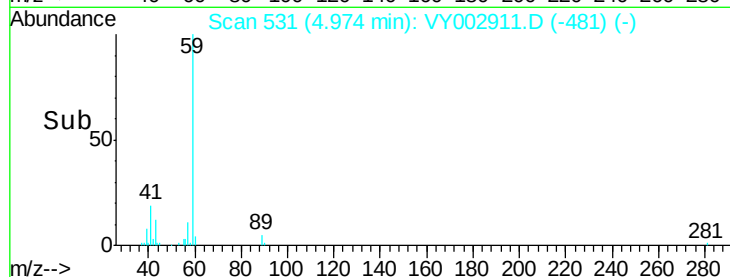
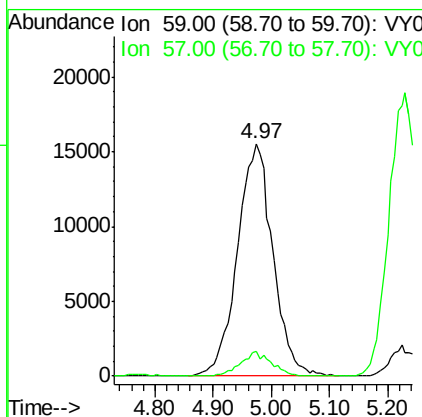
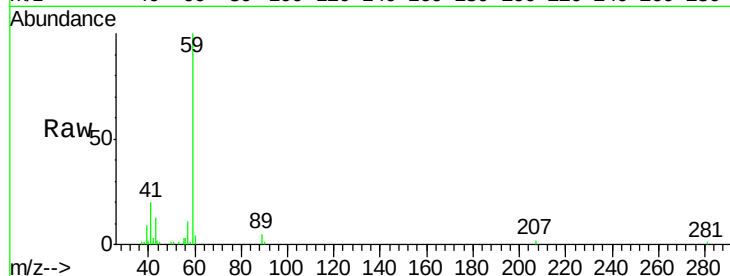
#11
Tert butyl alcohol
Concen: 252.459 ug/l
RT: 4.97 min Scan# 531
Delta R.T. 0.01 min
Lab File: VY002911.D
Acq: 16 Jun 2020 16:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.2	7.7	11.5

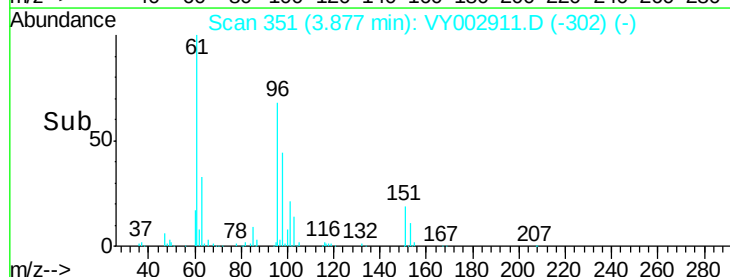
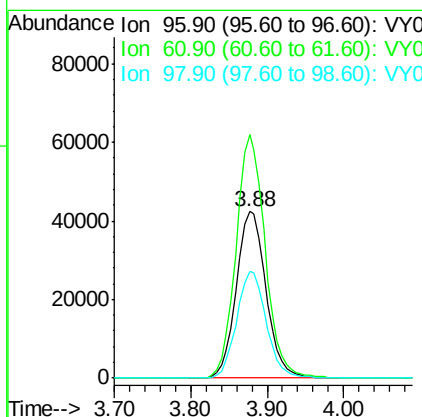
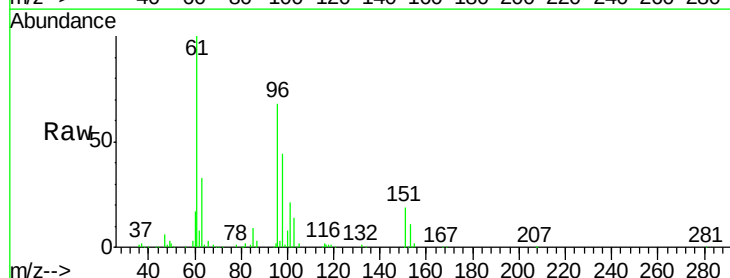
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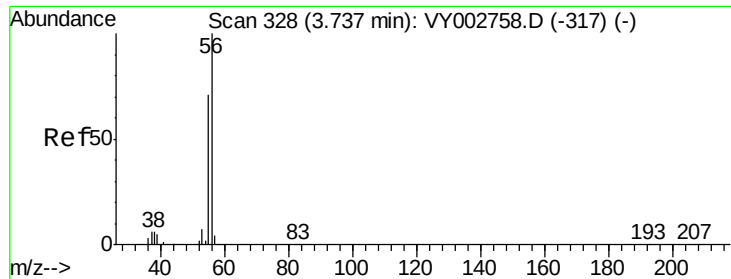
MMDadoda
6/18/2020 11:14:30 AM



#12
1,1-Dichloroethene
Concen: 48.354 ug/l
RT: 3.88 min Scan# 351
Delta R.T. -0.00 min
Lab File: VY002911.D
Acq: 16 Jun 2020 16:06

Tgt Ion	Ratio	Lower	Upper
96	100		
61	146.1	112.6	168.8
98	64.2	50.0	75.0





#13

Acrolein

Concen: 195.461 ug/l

RT: 3.74 min Scan# 328

Delta R.T. -0.00 min

Lab File: VY002911.D

Acq: 16 Jun 2020 16:06

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 55325

Ion Ratio Lower Upper

56 100

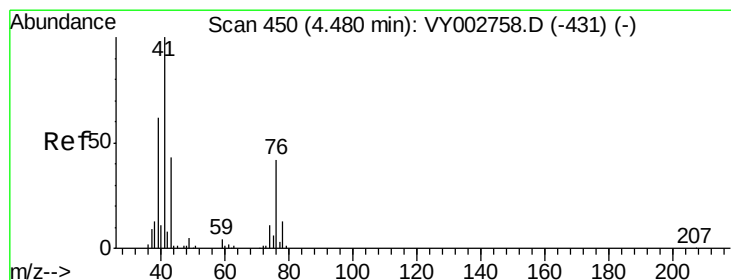
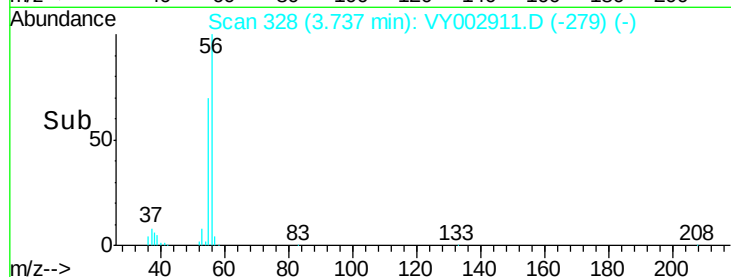
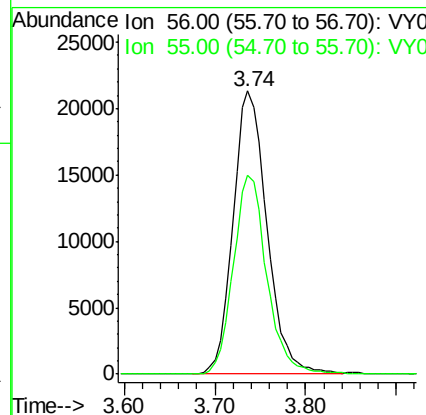
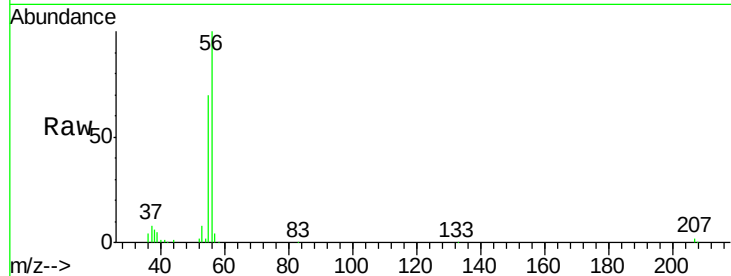
55 69.2 56.0 84.0

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#14

Allyl chloride

Concen: 49.407 ug/l

RT: 4.49 min Scan# 451

Delta R.T. 0.01 min

Lab File: VY002911.D

Acq: 16 Jun 2020 16:06

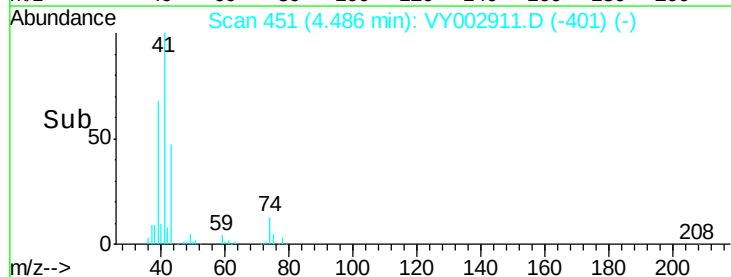
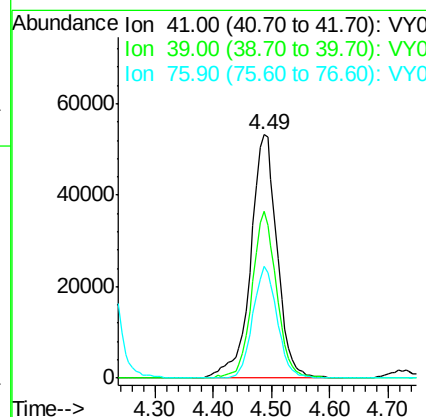
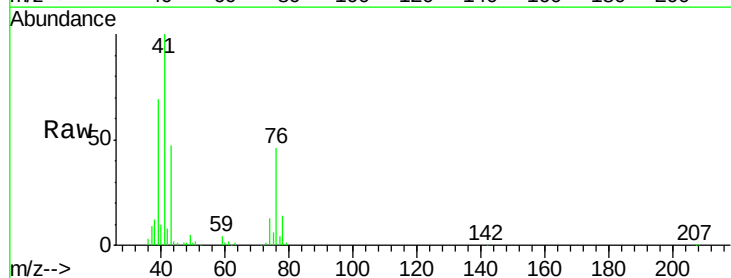
Tgt Ion: 41 Resp: 167689

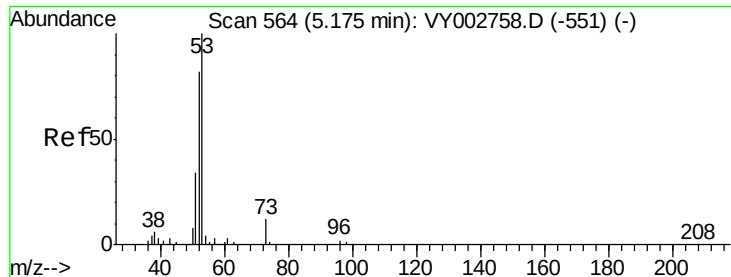
Ion Ratio Lower Upper

41 100

39 63.5 49.9 74.9

76 42.3 33.2 49.8





#15

Acrylonitrile

Concen: 257.000 ug/l

RT: 5.18 min Scan# 564

Delta R.T. -0.00 min

Lab File: VY002911.D

Acq: 16 Jun 2020 16:06

Instrument :

MSVOA_Y

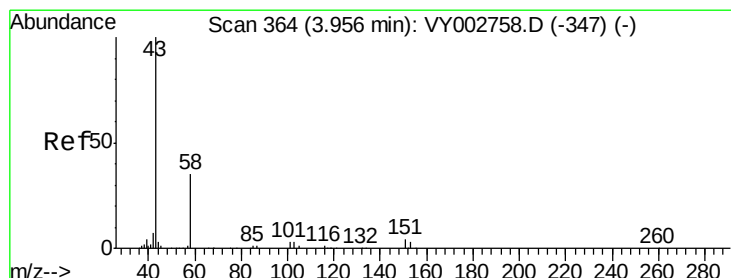
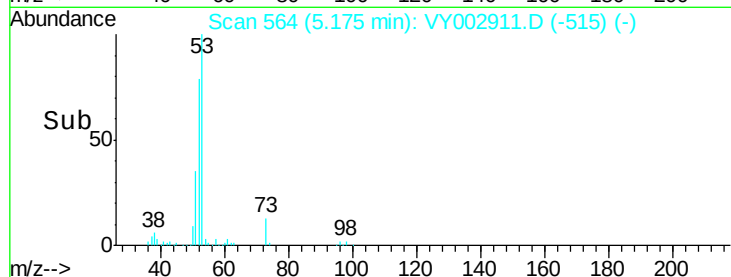
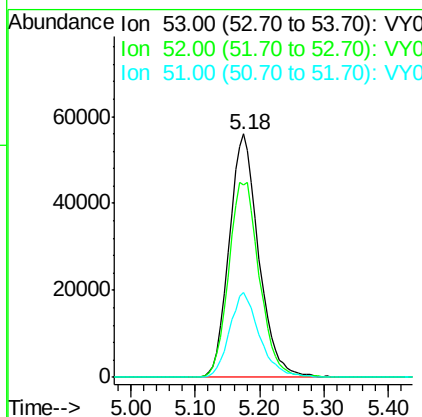
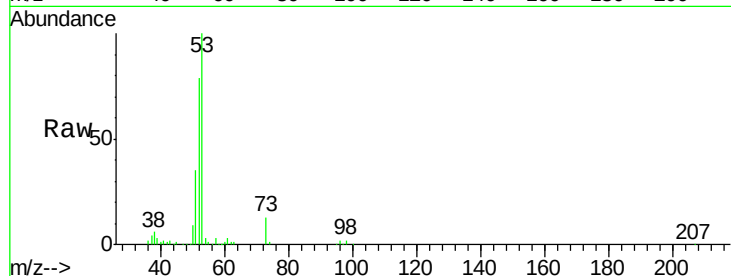
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	179424
Ion	Ratio	Lower	Upper
53	100		
52	83.3	65.3	97.9
51	35.5	28.0	42.0

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#16

Acetone

Concen: 276.476 ug/l

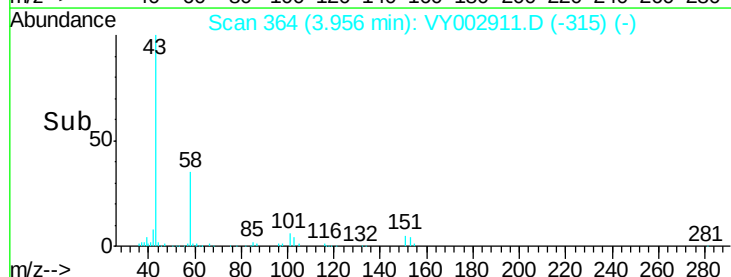
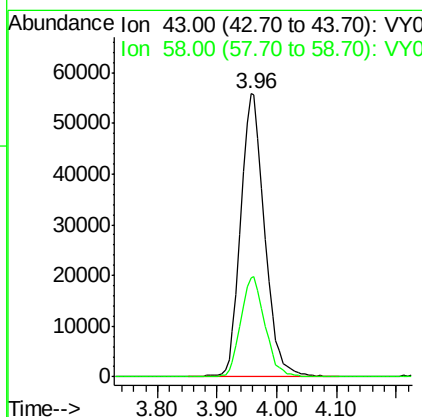
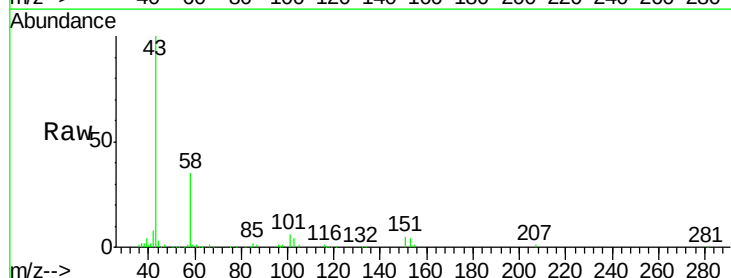
RT: 3.96 min Scan# 364

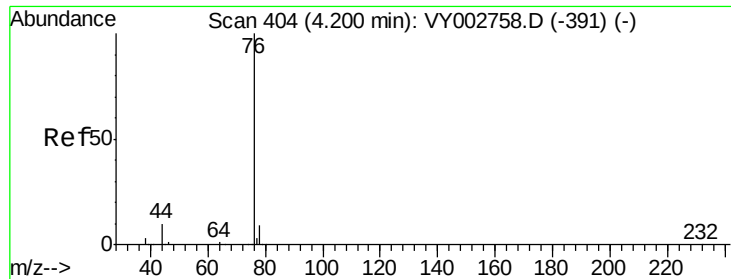
Delta R.T. -0.00 min

Lab File: VY002911.D

Acq: 16 Jun 2020 16:06

Tgt Ion:	43	Resp:	156586
Ion	Ratio	Lower	Upper
43	100		
58	35.1	27.7	41.5





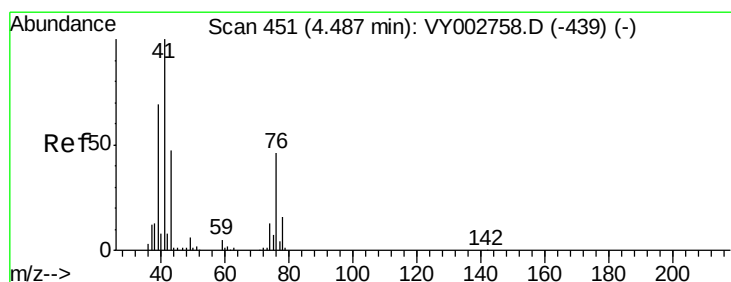
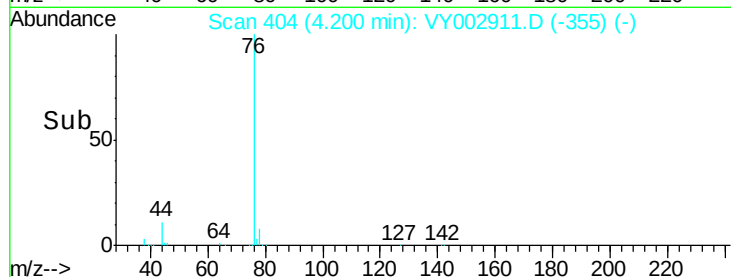
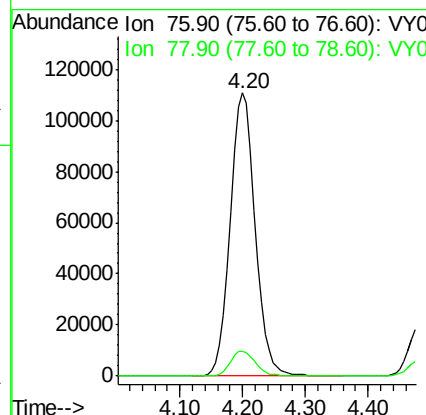
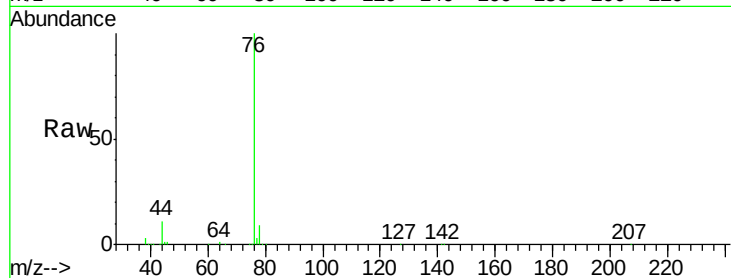
#17
Carbon Disulfide
Concen: 42.585 ug/l
RT: 4.20 min Scan# 404
Delta R.T. -0.00 min
Lab File: VY002911.D
Acq: 16 Jun 2020 16:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	6.9	10.3

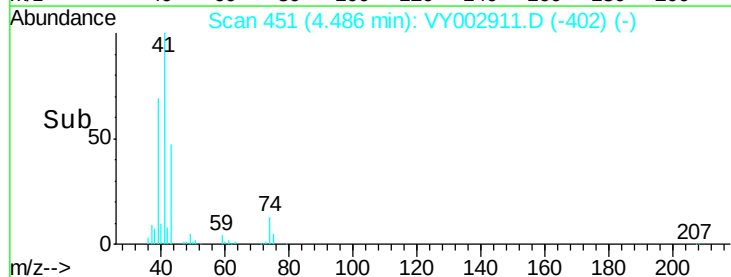
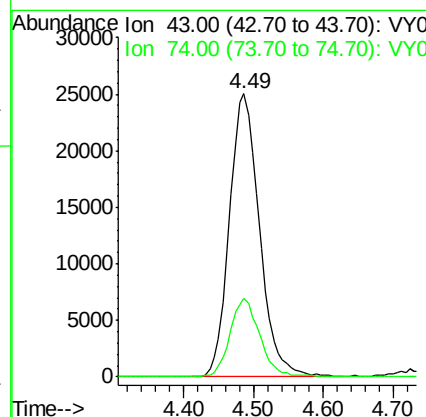
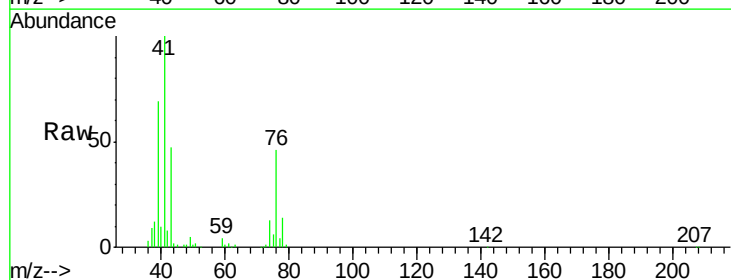
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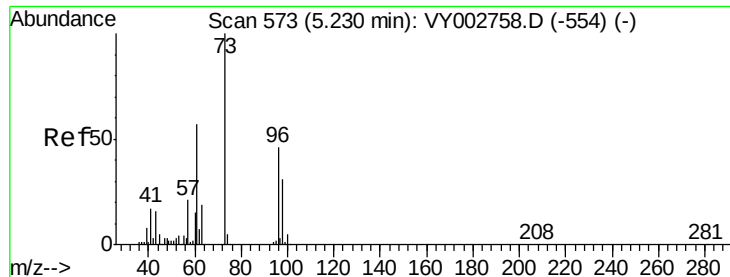
MMDadoda
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#18
Methyl Acetate
Concen: 52.793 ug/l
RT: 4.49 min Scan# 451
Delta R.T. 0.00 min
Lab File: VY002911.D
Acq: 16 Jun 2020 16:06

Tgt Ion	Ratio	Lower	Upper
43	100		
74	27.0	21.4	32.0





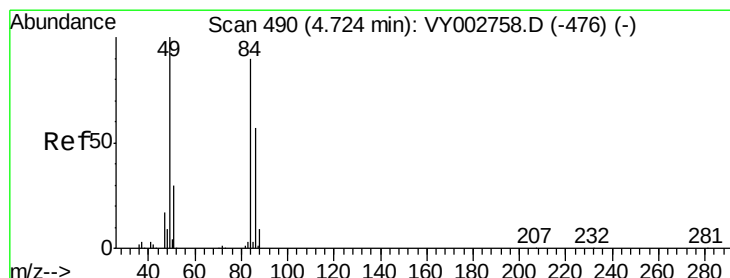
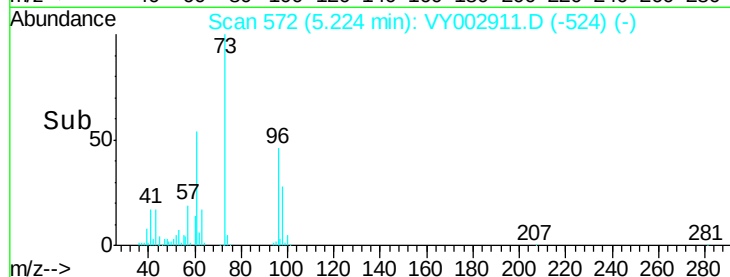
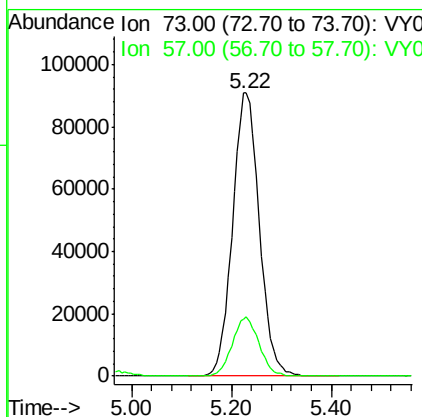
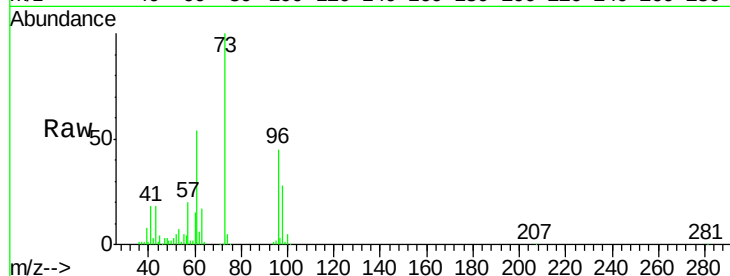
#19
Methyl tert-butyl Ether
Concen: 51.718 ug/l
RT: 5.22 min Scan# 572
Delta R.T. -0.01 min
Lab File: VY002911.D
Acq: 16 Jun 2020 16:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	19.9	17.0	25.4

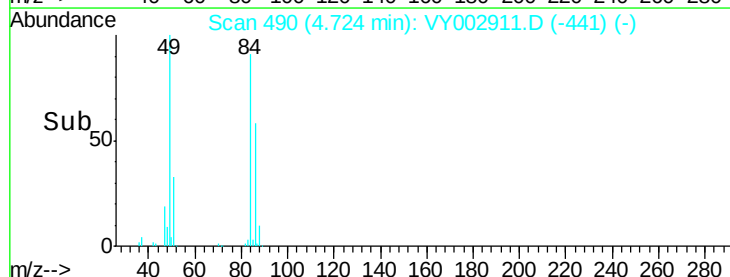
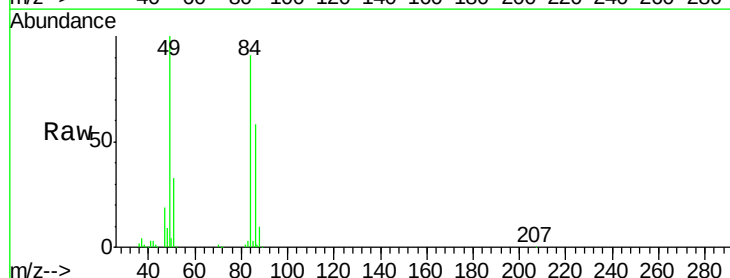
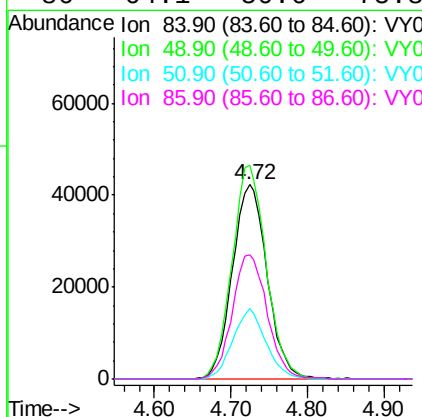
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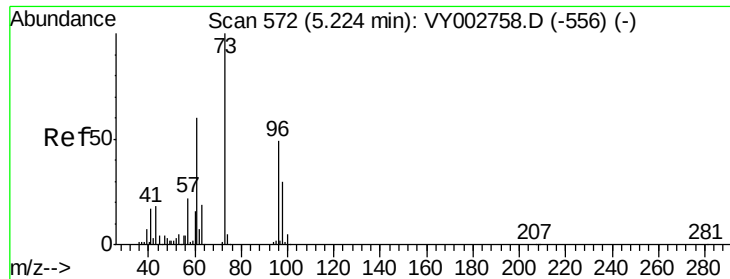
MMDadoda
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#20
Methylene Chloride
Concen: 48.321 ug/l
RT: 4.72 min Scan# 490
Delta R.T. -0.00 min
Lab File: VY002911.D
Acq: 16 Jun 2020 16:06

Tgt Ion	Ratio	Lower	Upper
84	100		
49	109.9	88.5	132.7
51	36.0	26.8	40.2
86	64.1	50.6	75.8





#21

trans-1,2-Dichloroethene

Concen: 47.987 ug/l

RT: 5.22 min Scan# 572

Delta R.T. -0.00 min

Lab File: VY002911.D

Acq: 16 Jun 2020 16:06

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 127709

Ion Ratio Lower Upper

96 100

61 119.7 96.8 145.2

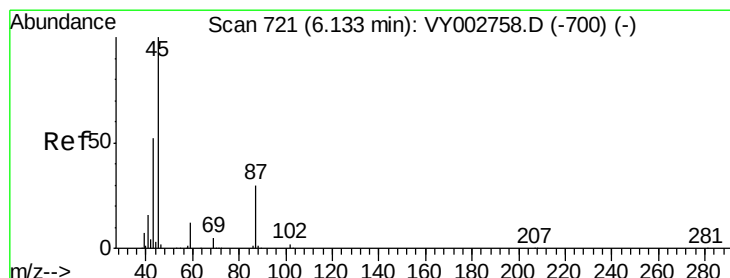
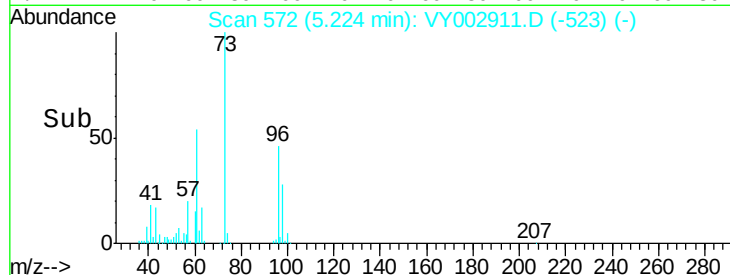
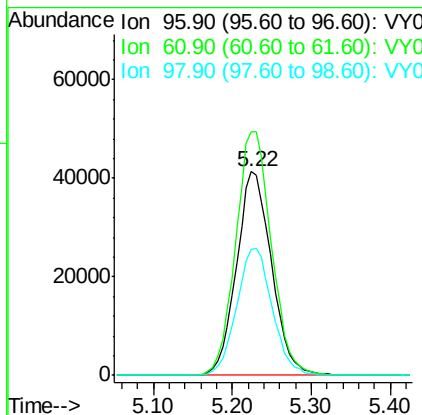
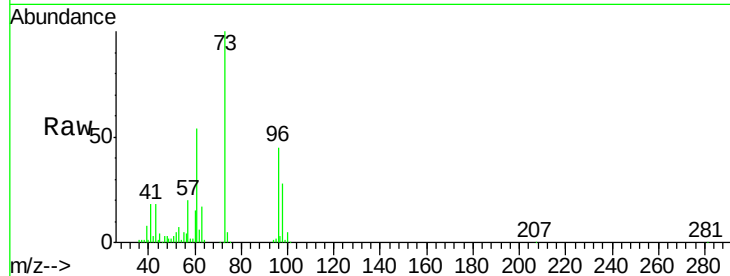
98 61.6 49.4 74.0

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#22

Diisopropyl ether

Concen: 51.013 ug/l

RT: 6.13 min Scan# 720

Delta R.T. -0.01 min

Lab File: VY002911.D

Acq: 16 Jun 2020 16:06

Tgt Ion: 45 Resp: 359797

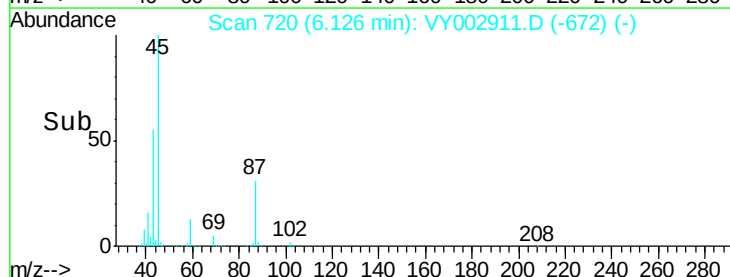
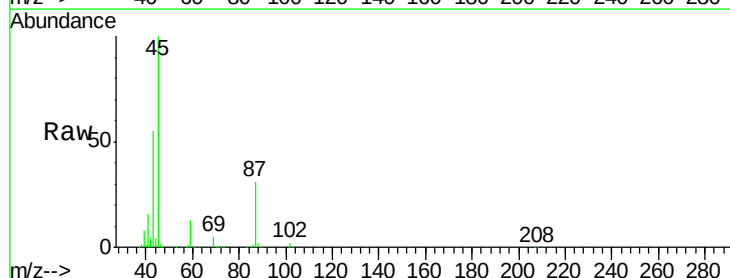
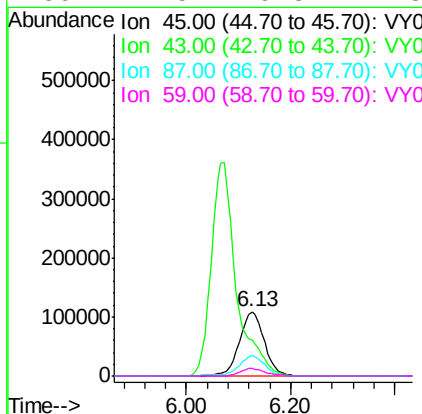
Ion Ratio Lower Upper

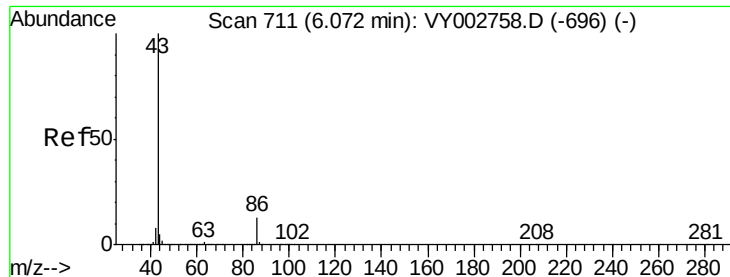
45 100

43 55.1 41.7 62.5

87 31.2 24.2 36.2

59 12.5 9.8 14.8





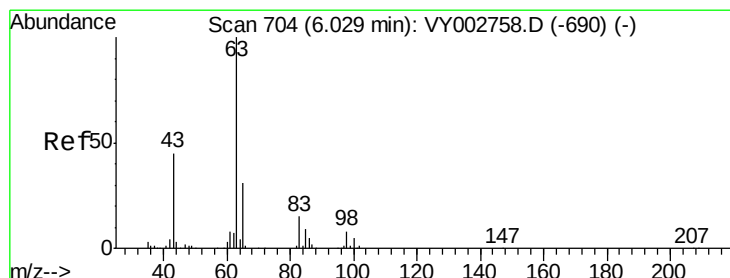
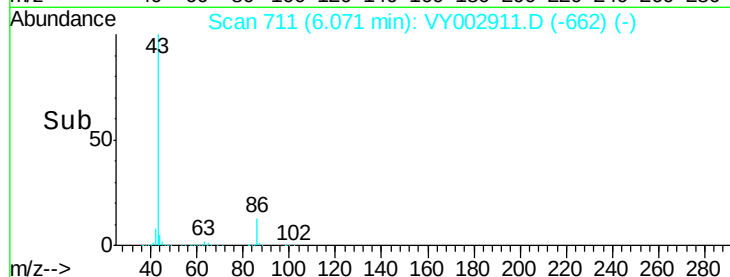
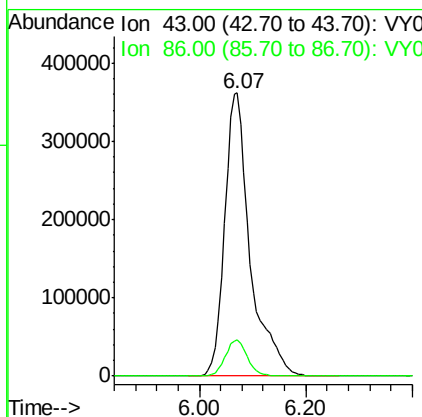
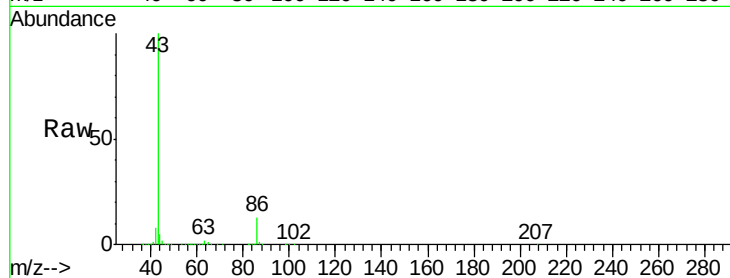
#23
 Vinyl Acetate
 Concen: 259.529 ug/l
 RT: 6.07 min Scan# 711
 Delta R.T. -0.00 min
 Lab File: VY002911.D
 Acq: 16 Jun 2020 16:06

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 1208521
 Ion Ratio Lower Upper
 43 100
 86 12.8 10.2 15.2

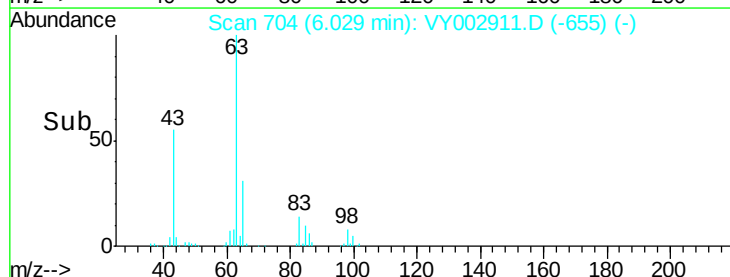
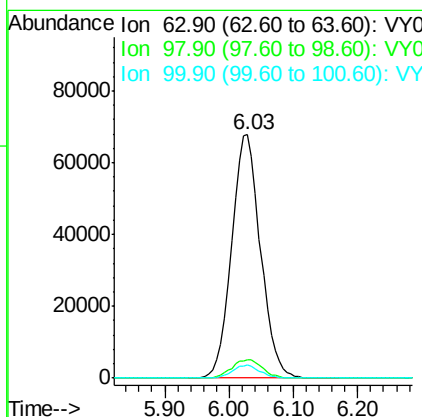
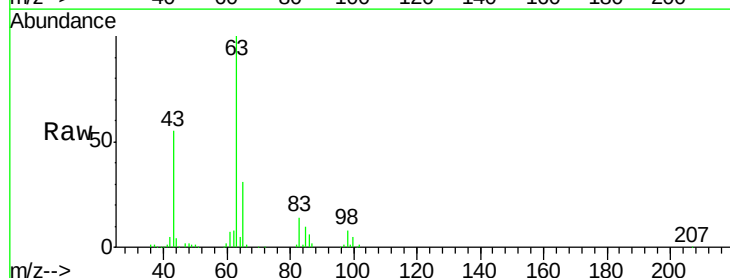
Manual Integrations
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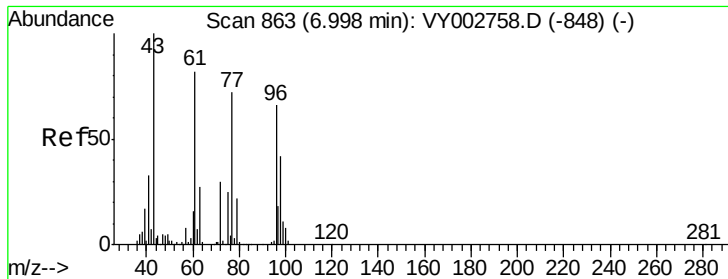
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 51.175 ug/l
 RT: 6.03 min Scan# 704
 Delta R.T. -0.00 min
 Lab File: VY002911.D
 Acq: 16 Jun 2020 16:06

Tgt Ion: 63 Resp: 211141
 Ion Ratio Lower Upper
 63 100
 98 7.7 4.0 12.2
 100 5.3 2.4 7.1





#25

2-Butanone

Concen: 256.132 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.01 min

Lab File: VY002911.D

Acq: 16 Jun 2020 16:06

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 226009

Ion Ratio Lower Upper

43 100

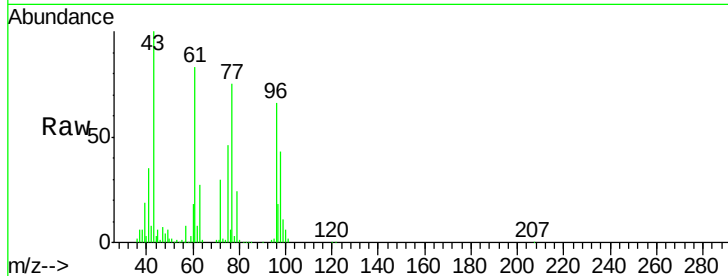
72 30.1 23.9 35.9

Manual Integrations

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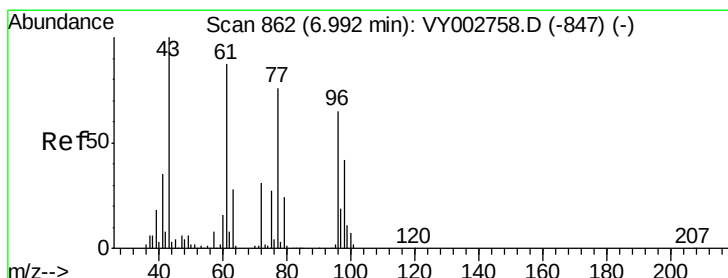
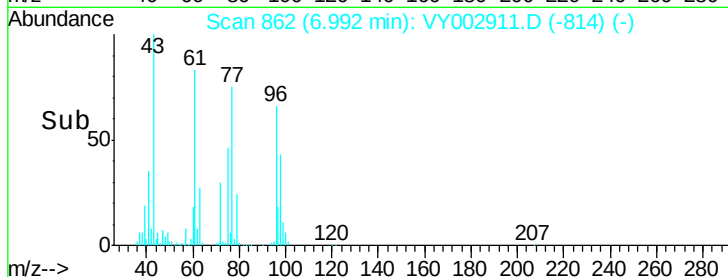
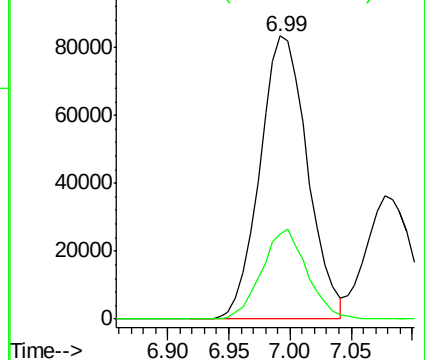
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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#26

2,2-Dichloropropane

Concen: 50.346 ug/l

RT: 6.99 min Scan# 861

Delta R.T. -0.01 min

Lab File: VY002911.D

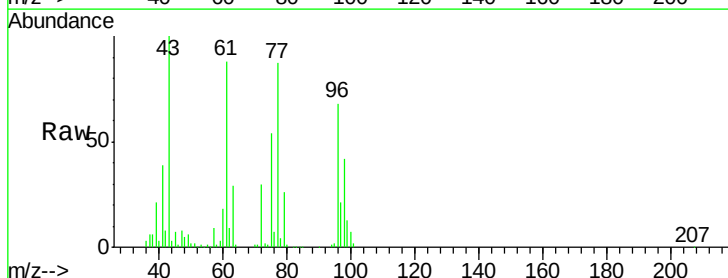
Acq: 16 Jun 2020 16:06

Tgt Ion: 77 Resp: 199216

Ion Ratio Lower Upper

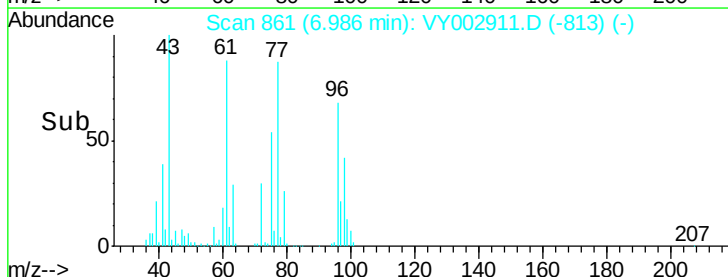
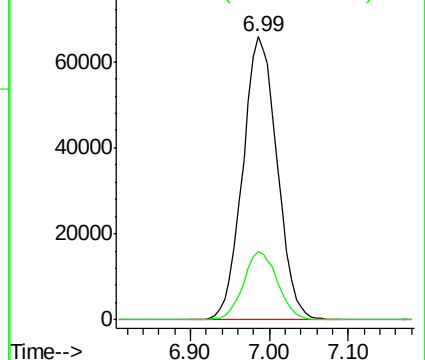
77 100

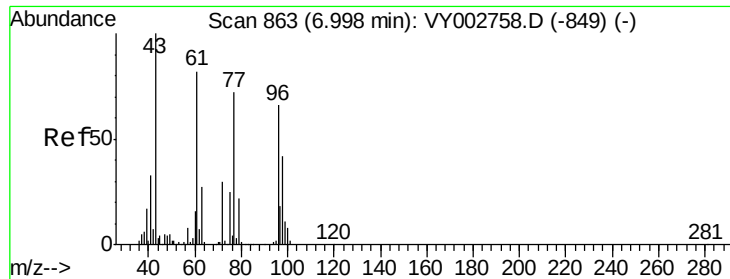
97 24.0 12.2 36.6



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0





#27

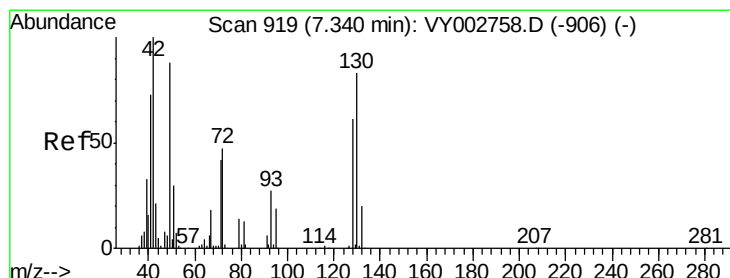
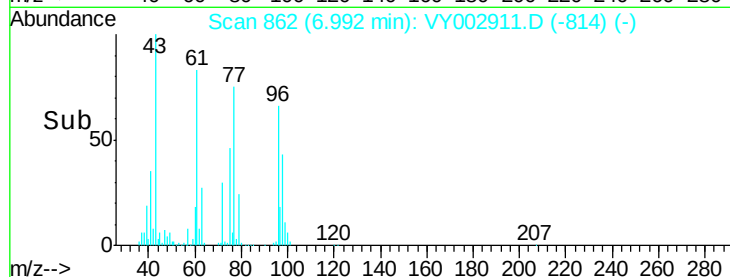
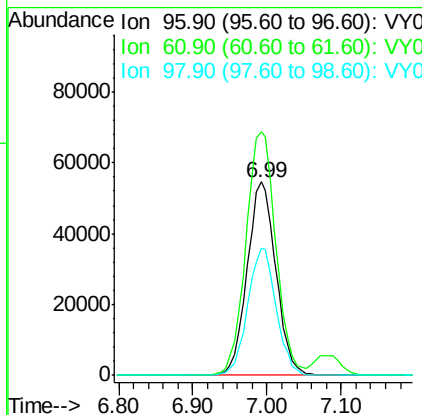
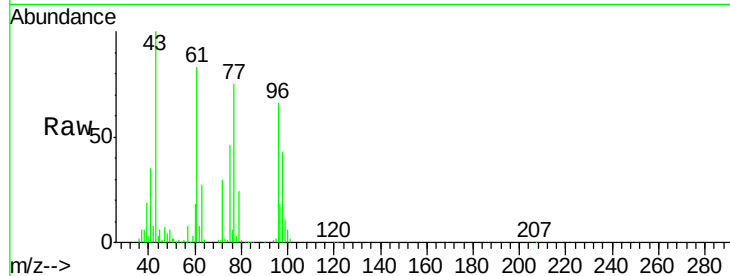
cis-1,2-Dichloroethene
 Concen: 49.634 ug/l
 RT: 6.99 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: VY002911.D
 Acq: 16 Jun 2020 16:06

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	131.1	0.0	260.2
98	65.1	0.0	128.2

Manual Integrations
 APPROVED

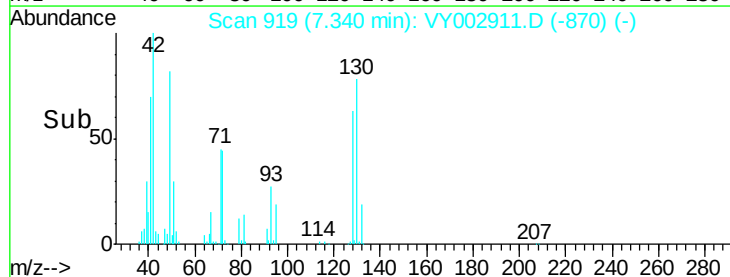
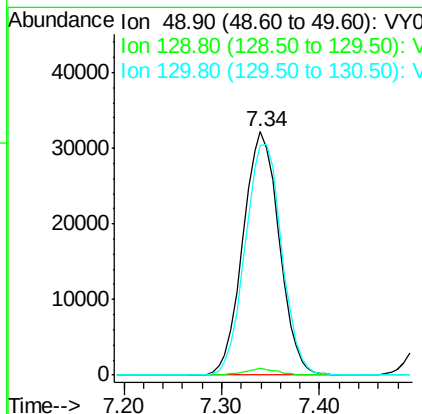
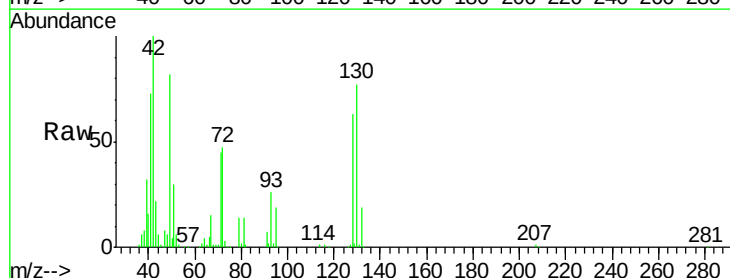
MMDadoda
 6/18/2020 11:14:30 AM

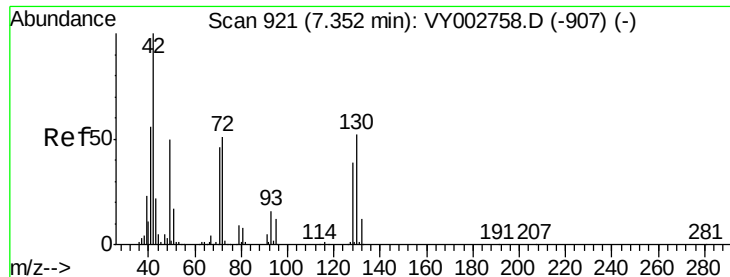


#28

Bromochloromethane
 Concen: 48.847 ug/l
 RT: 7.34 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VY002911.D
 Acq: 16 Jun 2020 16:06

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	5.2
130	96.0	77.1	115.7





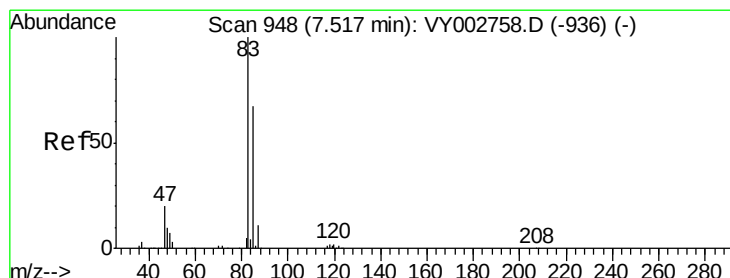
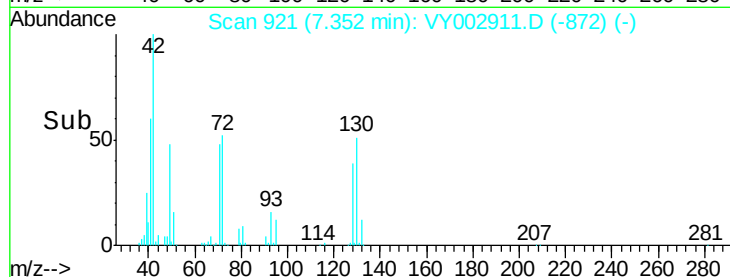
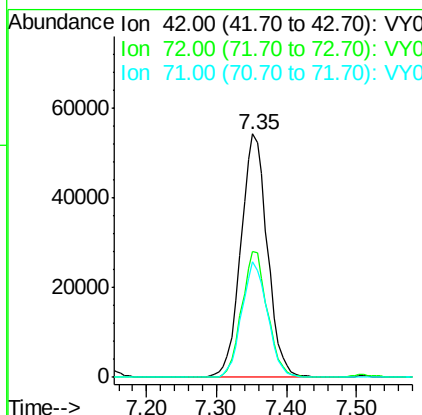
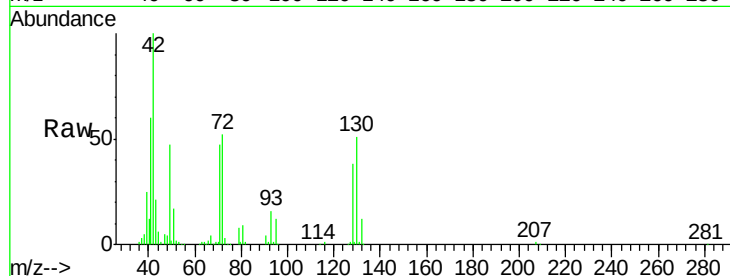
#29
Tetrahydrofuran
Concen: 248.662 ug/l
RT: 7.35 min Scan# 921
Delta R.T. -0.00 min
Lab File: VY002911.D
Acq: 16 Jun 2020 16:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.9	38.6	58.0
71	46.0	35.8	53.8

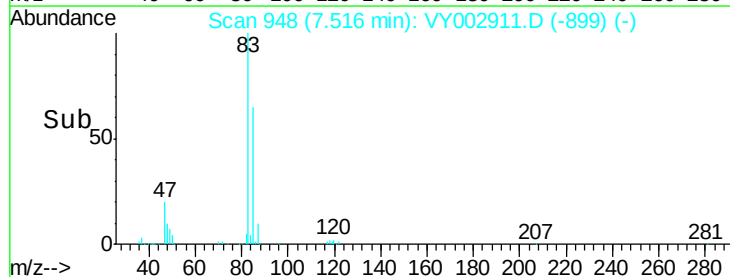
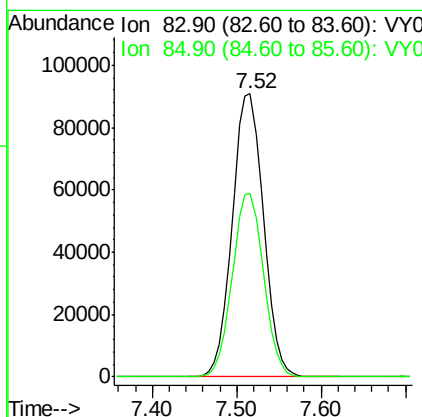
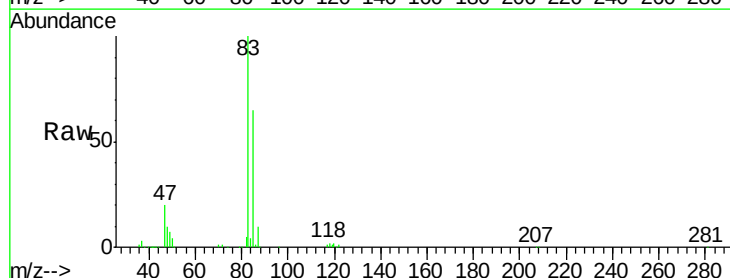
Manual Integrations
APPROVED

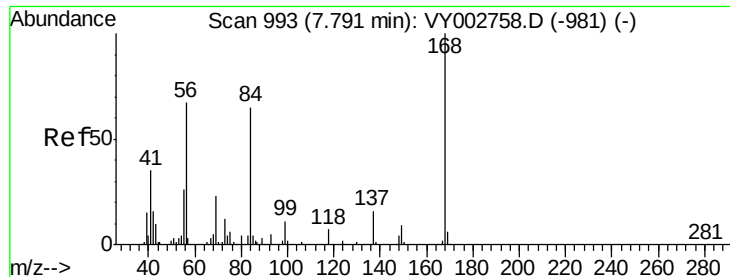
MMDadoda
6/18/2020 11:14:30 AM



#30
Chloroform
Concen: 51.968 ug/l
RT: 7.52 min Scan# 948
Delta R.T. -0.00 min
Lab File: VY002911.D
Acq: 16 Jun 2020 16:06

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	53.8	80.8





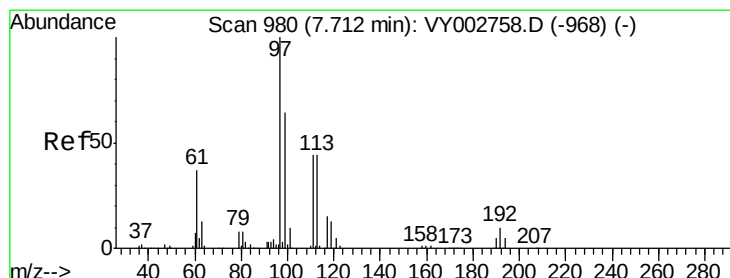
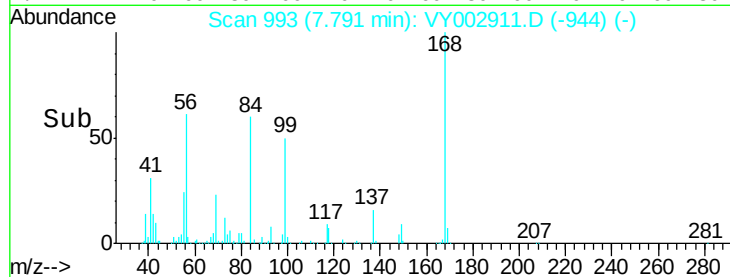
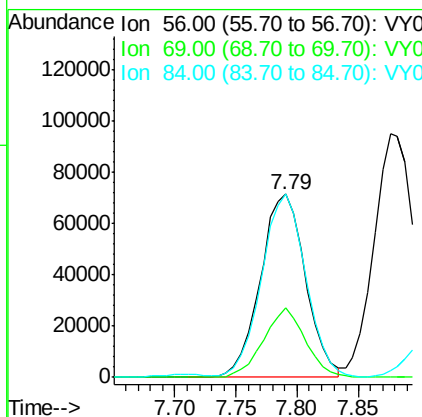
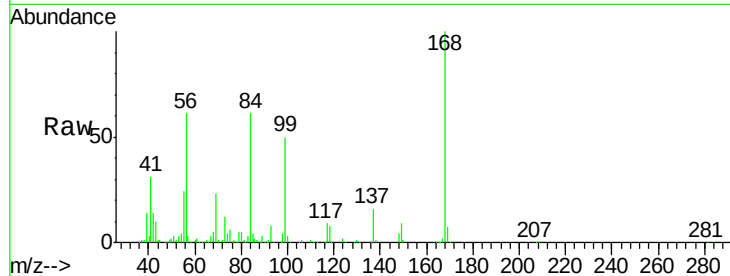
#31
Cyclohexane
Concen: 44.721 ug/l
RT: 7.79 min Scan# 993
Delta R.T. -0.00 min
Lab File: VY002911.D
Acq: 16 Jun 2020 16:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.2	28.0	42.0
84	98.2	77.7	116.5

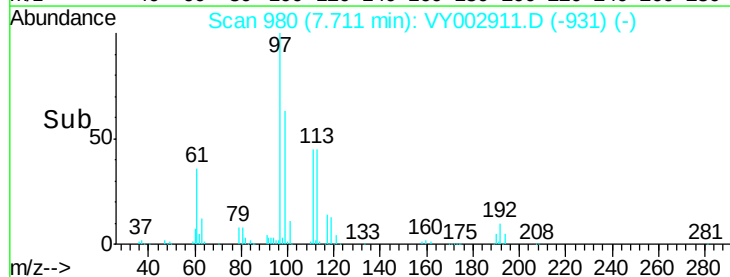
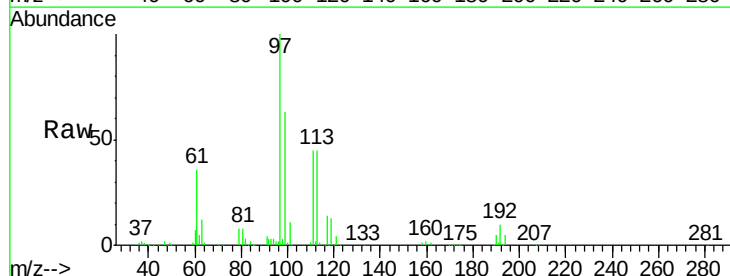
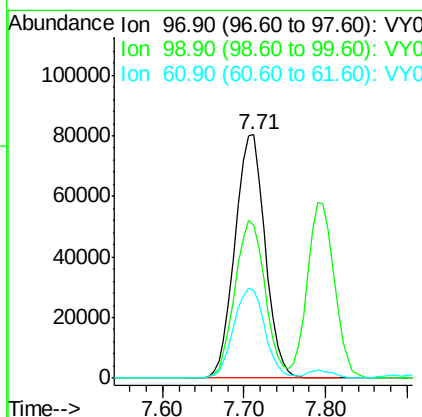
Manual Integrations
APPROVED

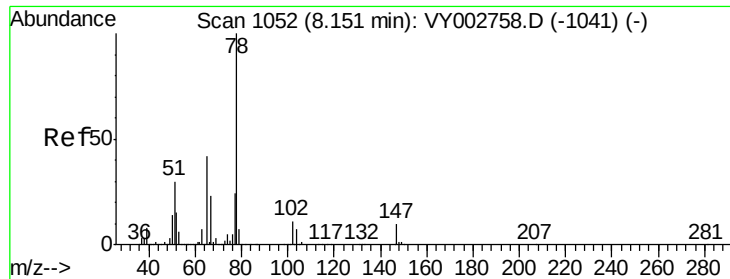
MMDadoda
6/18/2020 11:14:30 AM



#32
1,1,1-Trichloroethane
Concen: 50.490 ug/l
RT: 7.71 min Scan# 980
Delta R.T. -0.00 min
Lab File: VY002911.D
Acq: 16 Jun 2020 16:06

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.1	51.4	77.0
61	38.2	30.1	45.1





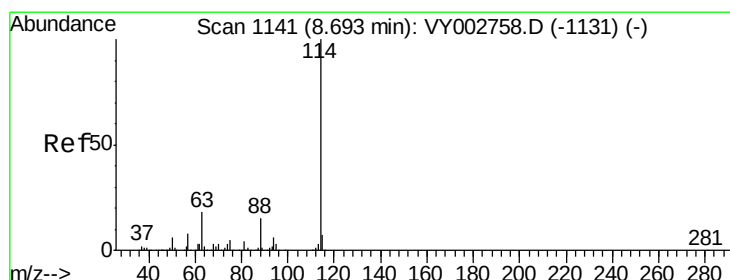
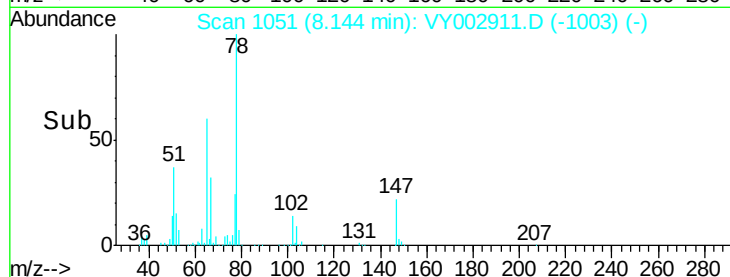
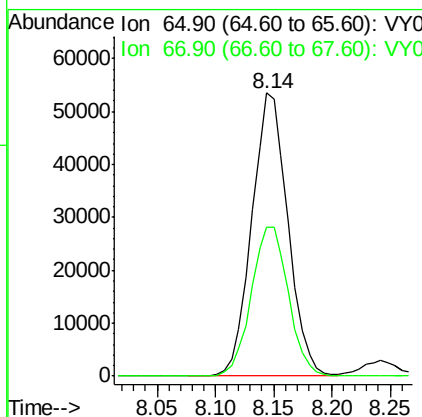
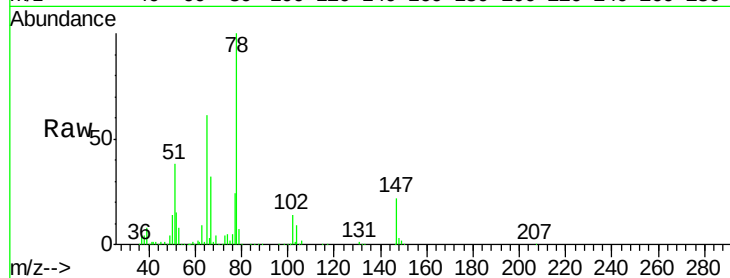
#33
 1,2-Dichloroethane-d4
 Concen: 47.811 ug/l
 RT: 8.14 min Scan# 1051
 Delta R.T. -0.01 min
 Lab File: VY002911.D
 Acq: 16 Jun 2020 16:06

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	115480		
67	54.4	0.0	111.0	

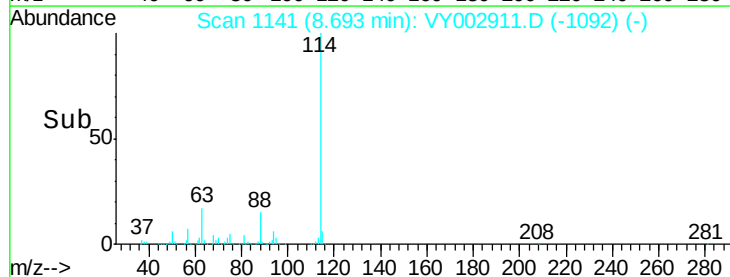
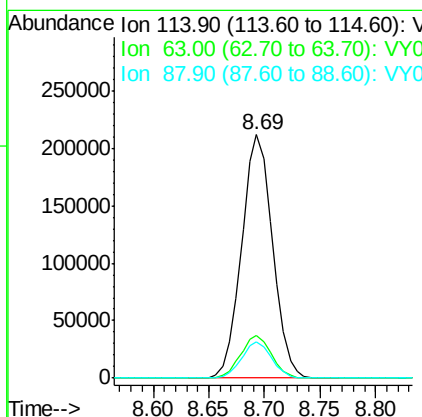
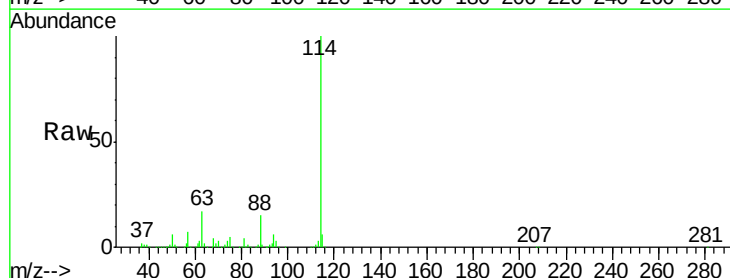
Manual Integrations
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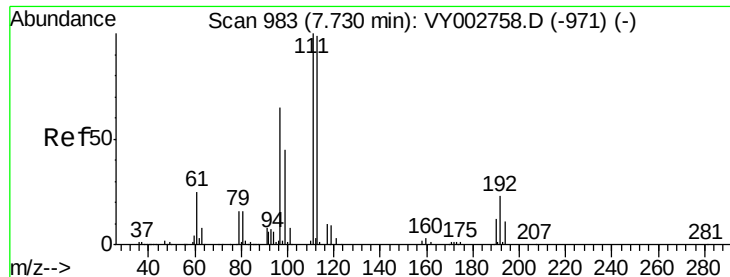
MMDadoda
 6/18/2020 11:14:30 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.00 min
 Lab File: VY002911.D
 Acq: 16 Jun 2020 16:06

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	409686		
63	17.4	0.0	35.2	
88	14.7	0.0	29.2	





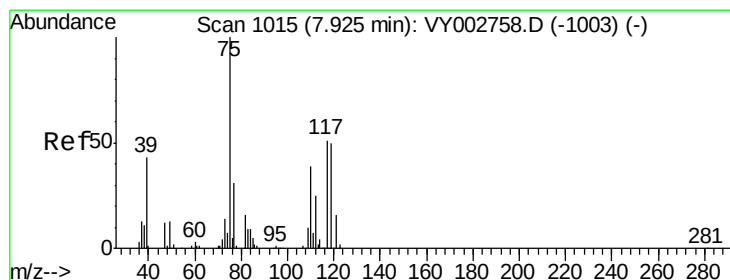
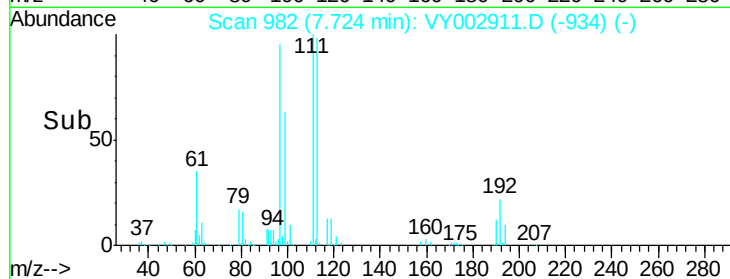
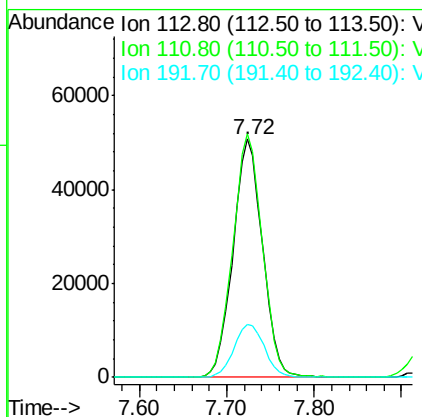
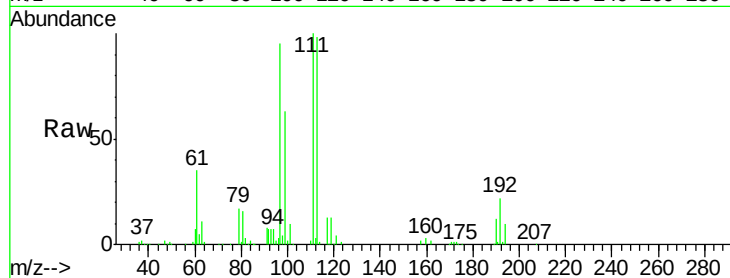
#35
Dibromofluoromethane
Concen: 49.498 ug/l
RT: 7.72 min Scan# 982
Delta R.T. -0.01 min
Lab File: VY002911.D
Acq: 16 Jun 2020 16:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.8	82.0	123.0	
192	22.9	18.9	28.3	

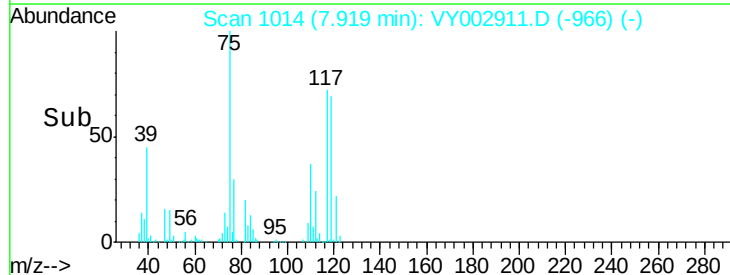
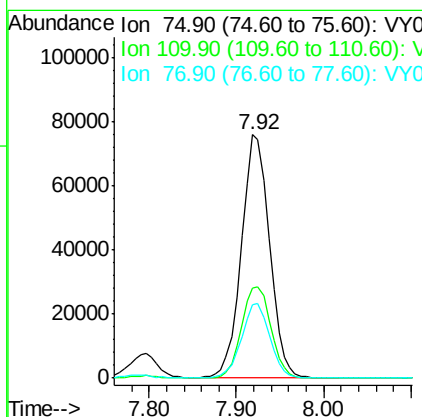
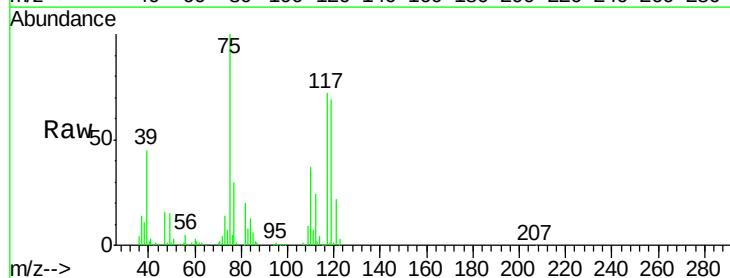
Manual Integrations
APPROVED

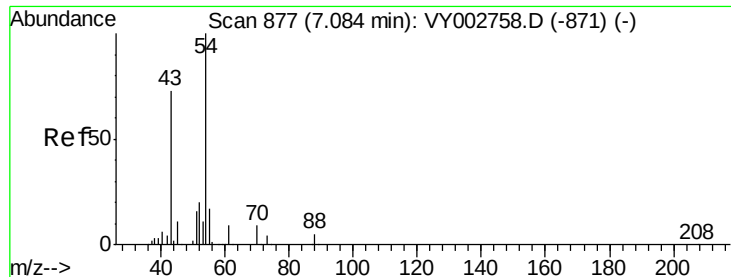
MMDadoda
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#36
1,1-Dichloropropene
Concen: 49.337 ug/l
RT: 7.92 min Scan# 1014
Delta R.T. -0.01 min
Lab File: VY002911.D
Acq: 16 Jun 2020 16:06

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	39.1	19.3	57.9	
77	30.9	24.8	37.2	





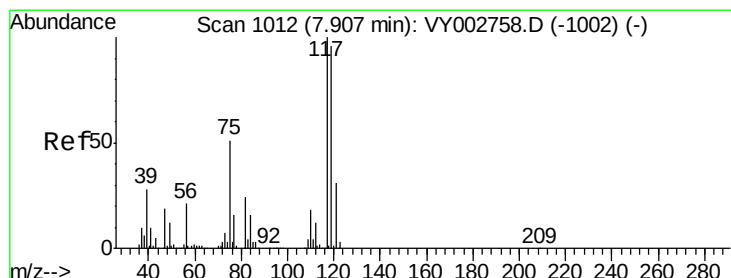
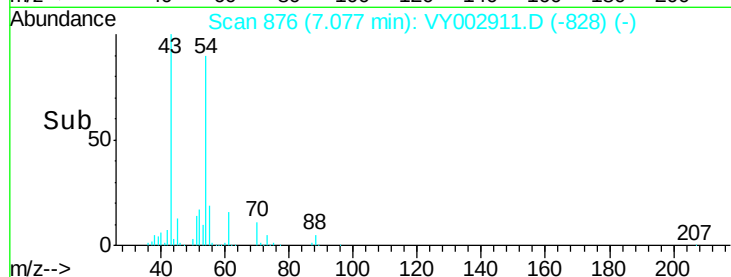
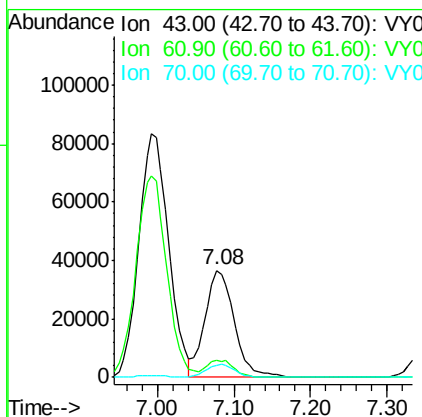
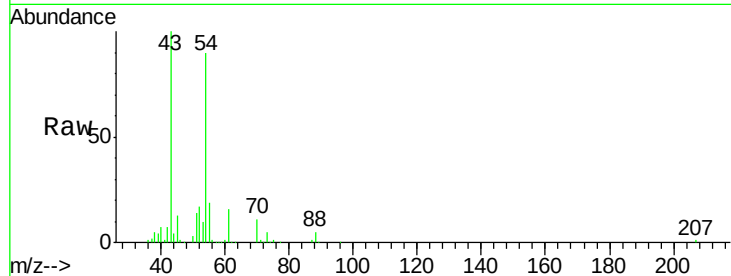
#37
Ethyl Acetate
Concen: 52.012 ug/l
RT: 7.08 min Scan# 876
Delta R.T. -0.01 min
Lab File: VY002911.D
Acq: 16 Jun 2020 16:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.9	11.9	17.9
70	11.6	9.1	13.7

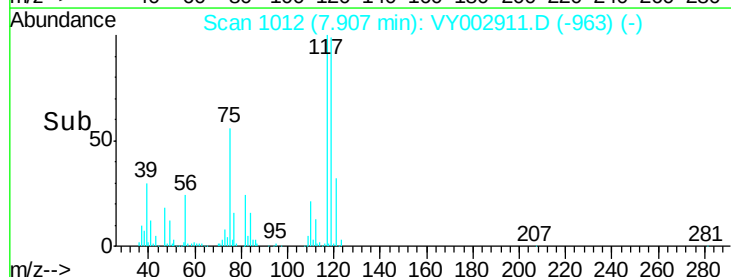
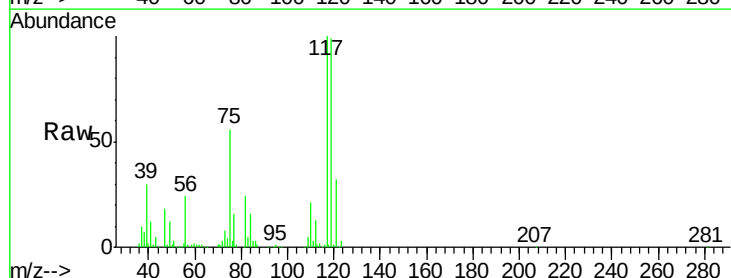
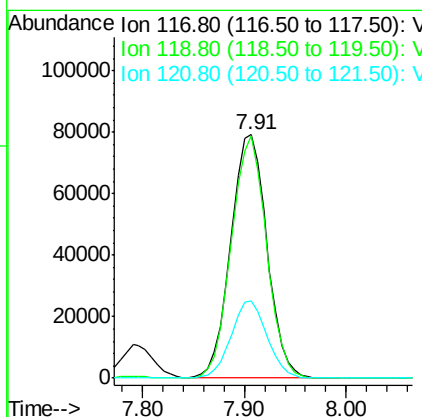
Manual Integrations
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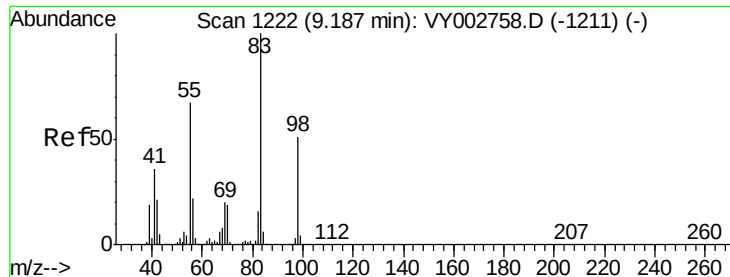
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#38
Carbon Tetrachloride
Concen: 50.951 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VY002911.D
Acq: 16 Jun 2020 16:06

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.4	76.8	115.2
121	31.7	24.8	37.2





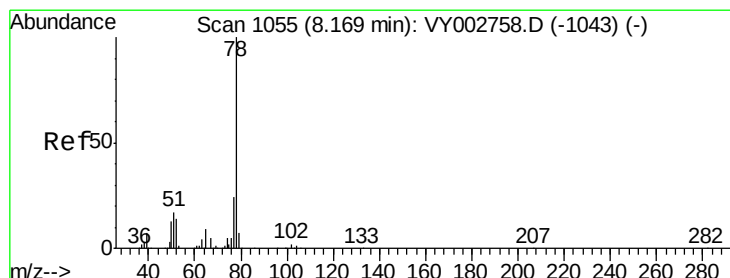
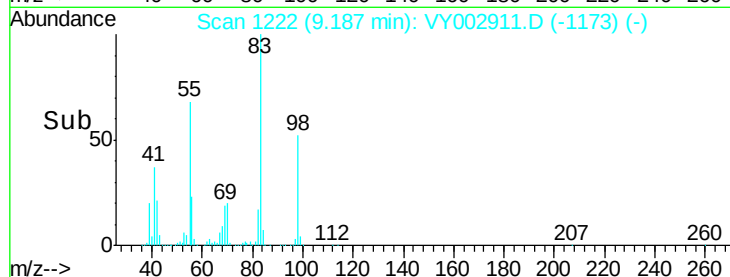
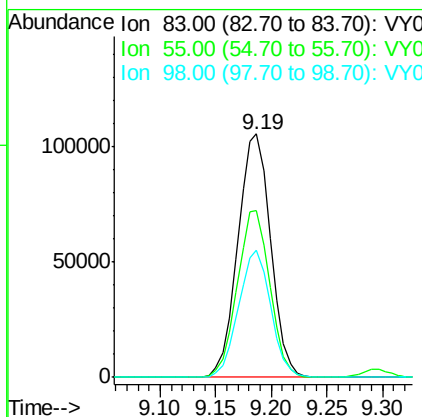
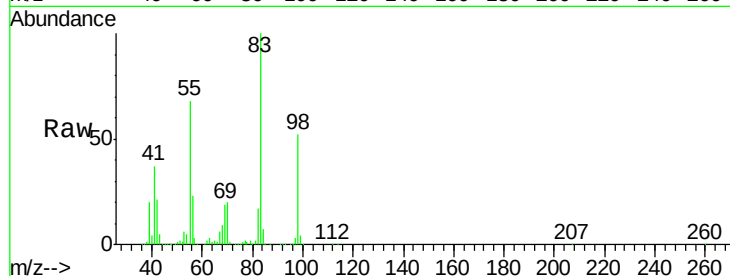
#39
Methylvlcyclohexane
Concen: 47.435 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.00 min
Lab File: VY002911.D
Acq: 16 Jun 2020 16:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	68.3	53.3	79.9
98	52.3	41.1	61.7

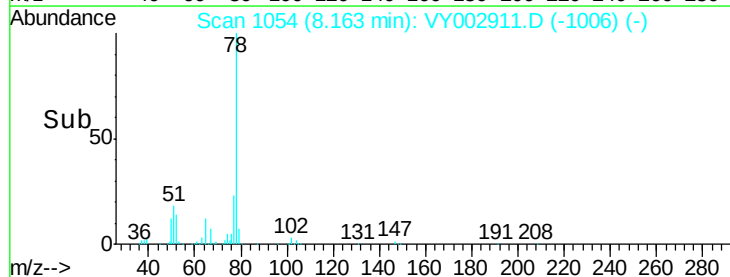
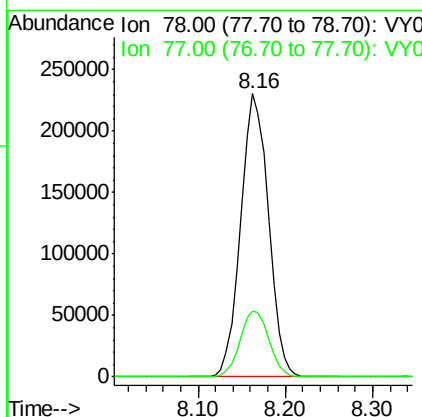
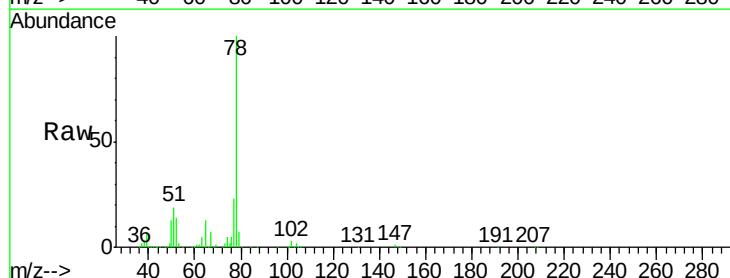
Manual Integrations
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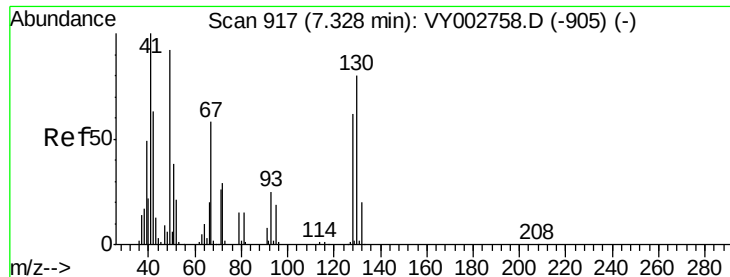
MMDadoda
6/18/2020 11:14:30 AM



#40
Benzene
Concen: 49.873 ug/l
RT: 8.16 min Scan# 1054
Delta R.T. -0.01 min
Lab File: VY002911.D
Acq: 16 Jun 2020 16:06

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.8	28.2





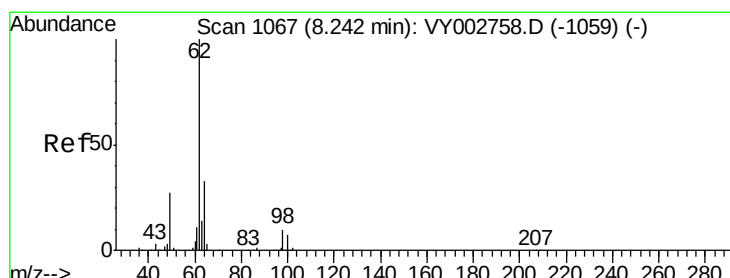
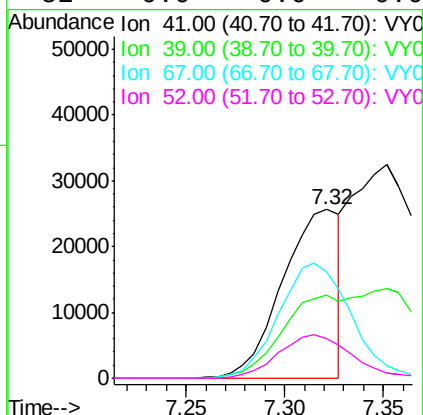
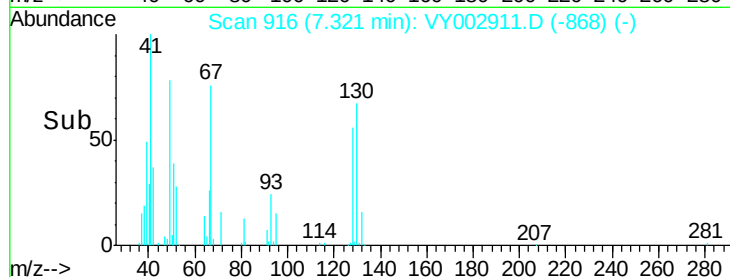
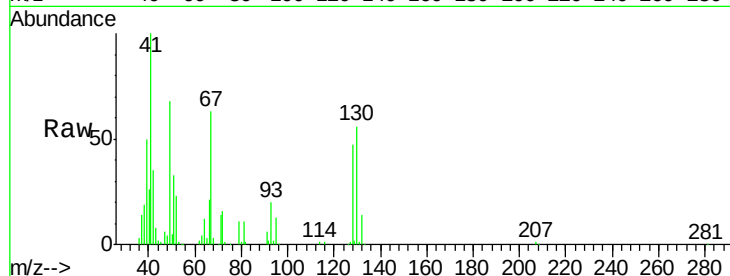
#41
Methacrylonitrile
Concen: 51.984 ug/l m
RT: 7.32 min Scan# 916
Delta R.T. -0.01 min
Lab File: VY002911.D
Acq: 16 Jun 2020 16:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	97.6	146.4#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

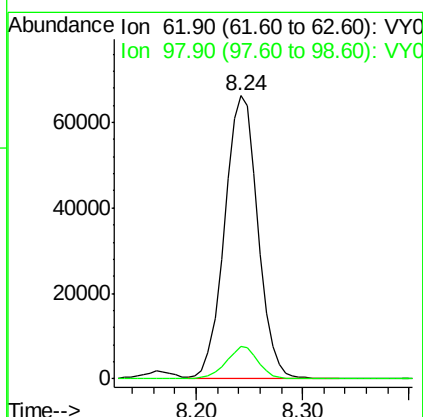
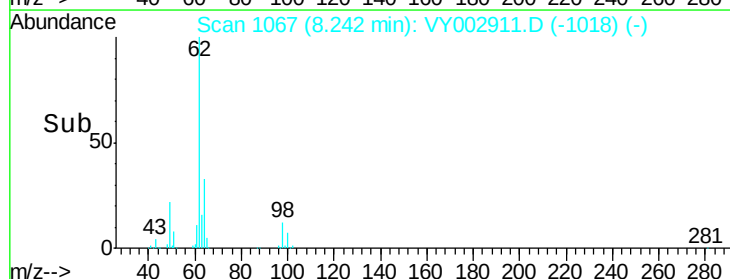
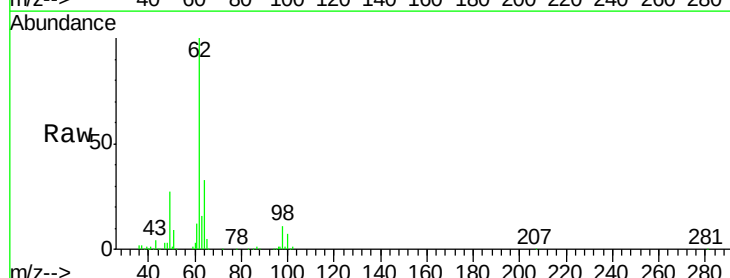
Manual Integrations
APPROVED

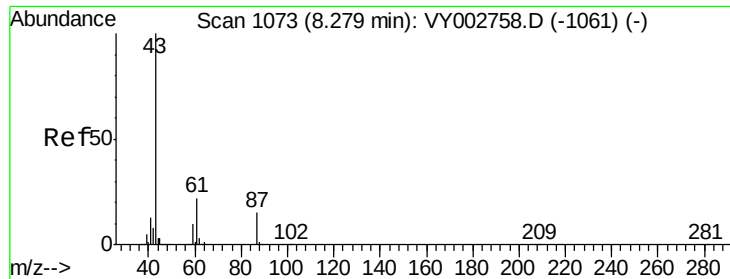
MMDadoda
6/18/2020 11:14:30 AM



#42
1,2-Dichloroethane
Concen: 50.591 ug/l
RT: 8.24 min Scan# 1067
Delta R.T. -0.00 min
Lab File: VY002911.D
Acq: 16 Jun 2020 16:06

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.9	0.0	22.6





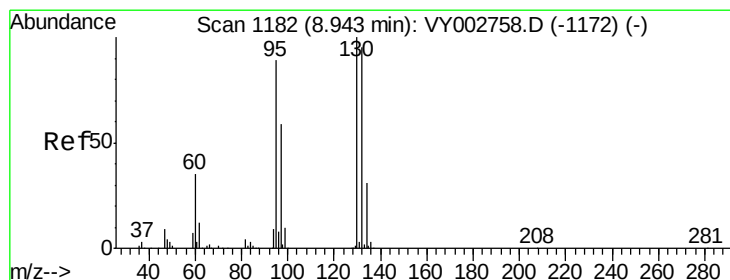
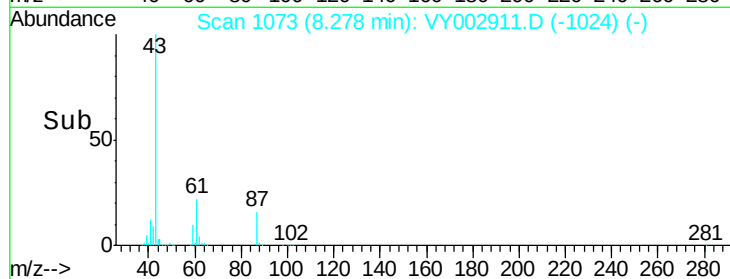
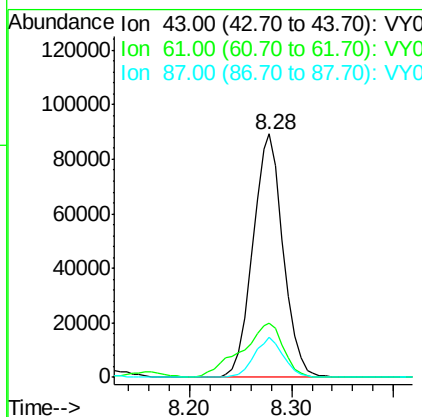
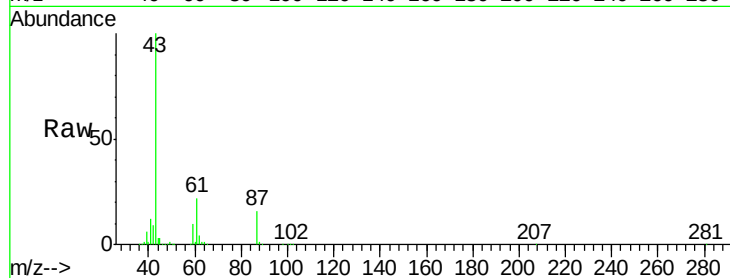
#43
Isopropyl Acetate
Concen: 51.766 ug/l
RT: 8.28 min Scan# 1073
Delta R.T. -0.00 min
Lab File: VY002911.D
Acq: 16 Jun 2020 16:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.8	24.8	37.2
87	15.9	12.4	18.6

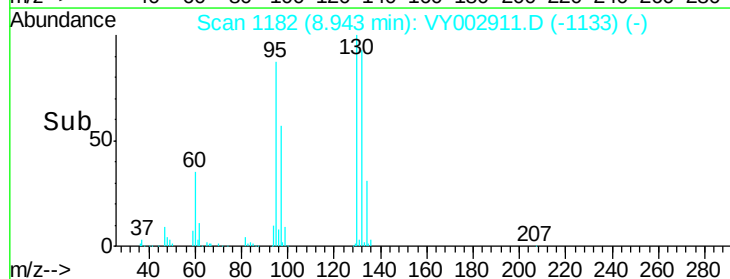
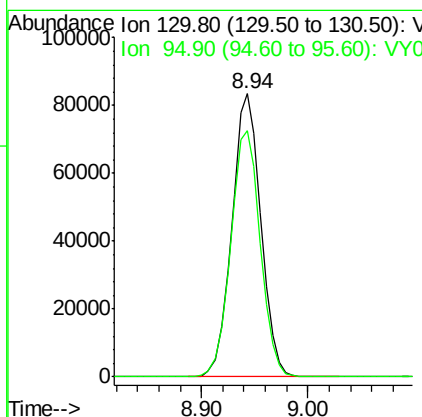
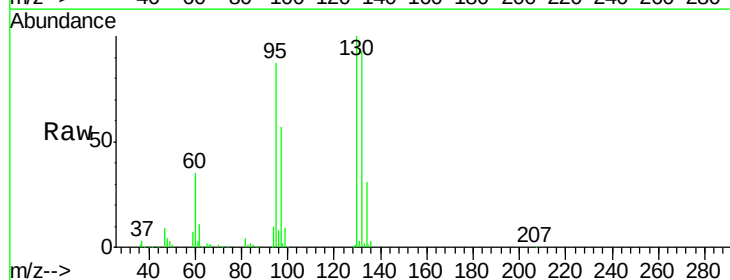
Manual Integrations
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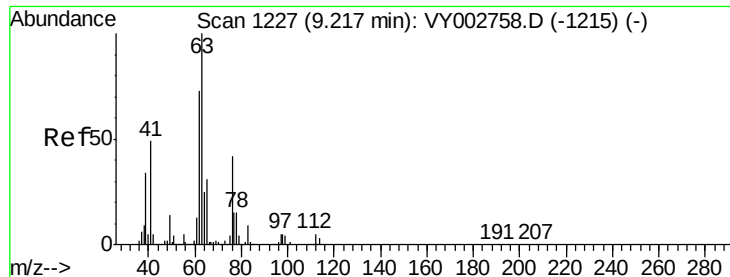
MMDadoda
6/18/2020 11:14:30 AM



#44
Trichloroethene
Concen: 49.333 ug/l
RT: 8.94 min Scan# 1182
Delta R.T. -0.00 min
Lab File: VY002911.D
Acq: 16 Jun 2020 16:06

Tgt Ion	Ratio	Lower	Upper
130	100		
95	86.9	0.0	178.8





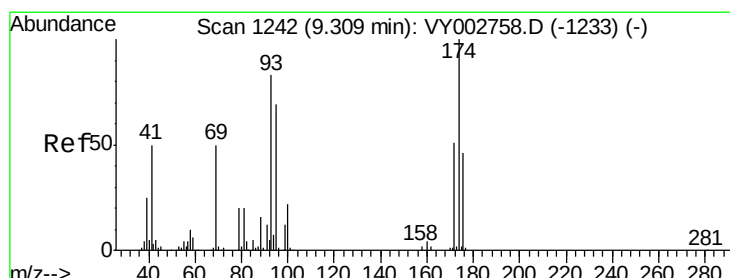
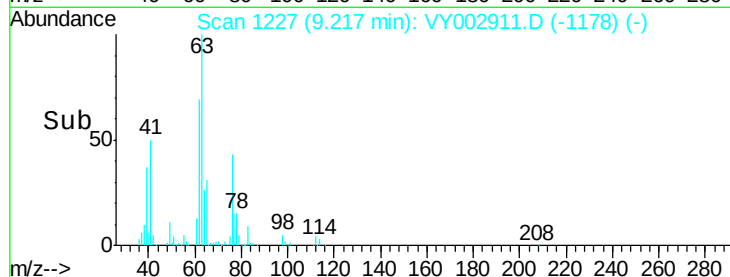
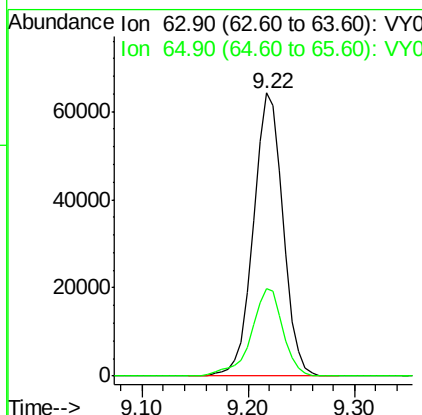
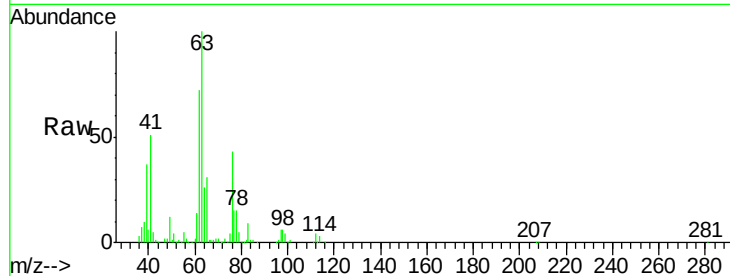
#45
 1,2-Dichloropropane
 Concen: 51.235 ug/l
 RT: 9.22 min Scan# 1227
 Delta R.T. -0.00 min
 Lab File: VY002911.D
 Acq: 16 Jun 2020 16:06

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.9	24.8	37.2

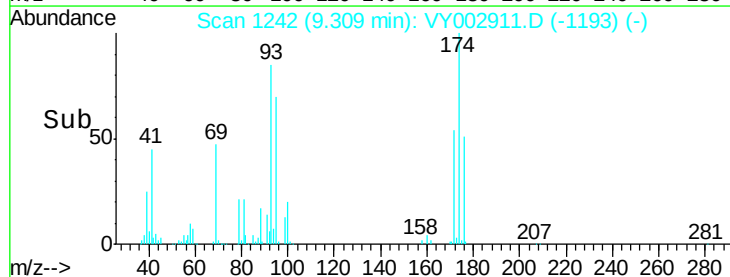
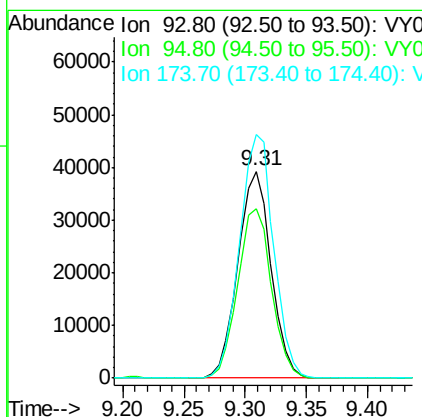
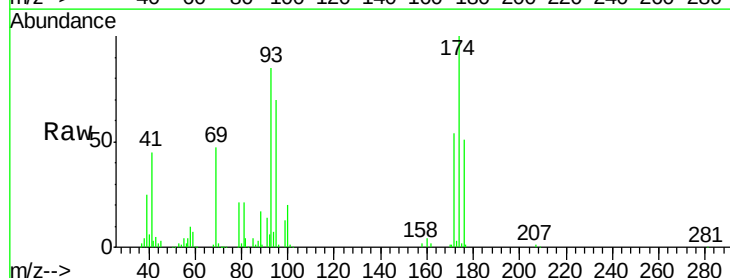
Manual Integrations
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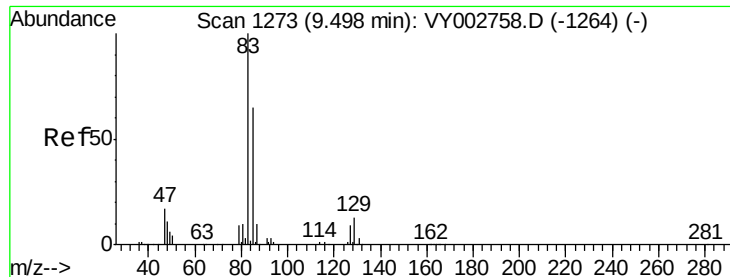
MMDadoda
 6/18/2020 11:14:30 AM



#46
 Dibromomethane
 Concen: 50.995 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. -0.00 min
 Lab File: VY002911.D
 Acq: 16 Jun 2020 16:06

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.4	66.9	100.3
174	120.5	97.7	146.5





#47

Bromodichloromethane

Concen: 52.384 ug/l

RT: 9.50 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VY002911.D

Acq: 16 Jun 2020 16:06

Instrument :

MSVOA_Y

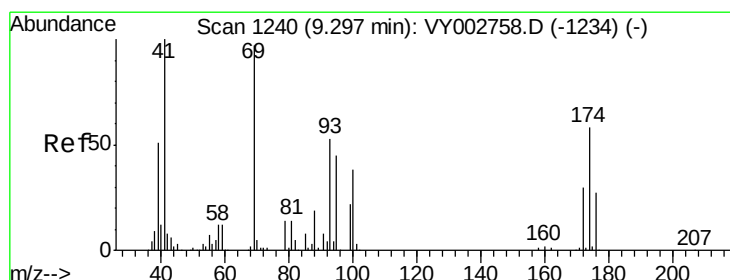
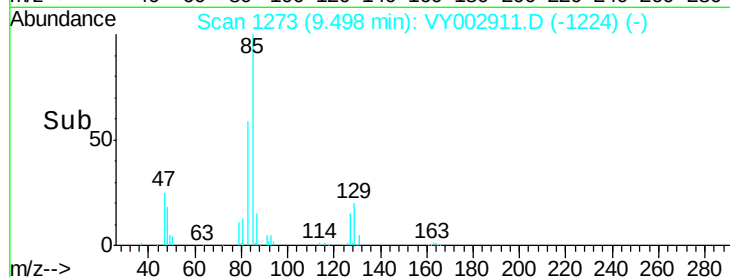
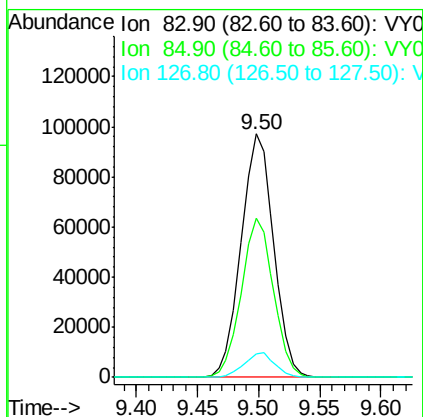
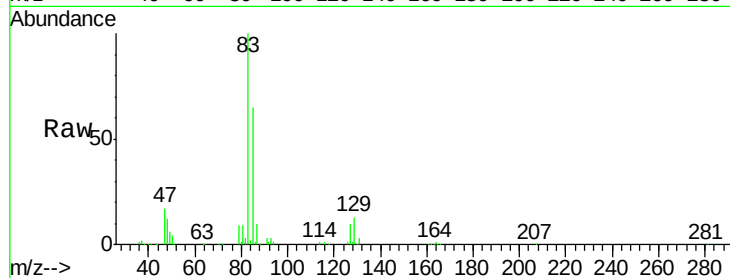
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	179351
Ion Ratio	Lower	Upper	
83	100		
85	65.2	51.9	77.9
127	9.7	7.1	10.7

Manual Integrations
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MMDadoda
6/18/2020 11:14:30 AM



#48

Methyl methacrylate

Concen: 51.051 ug/l

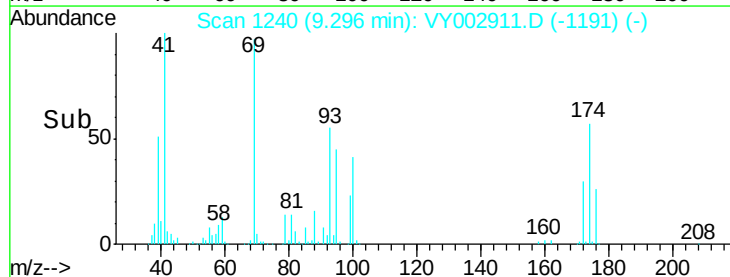
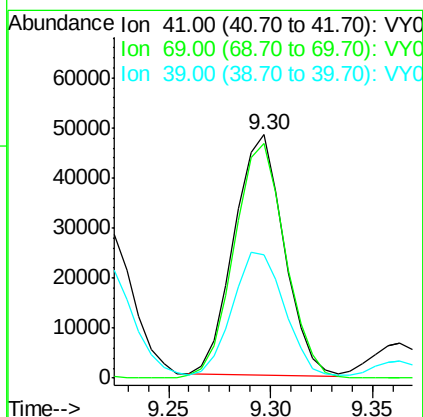
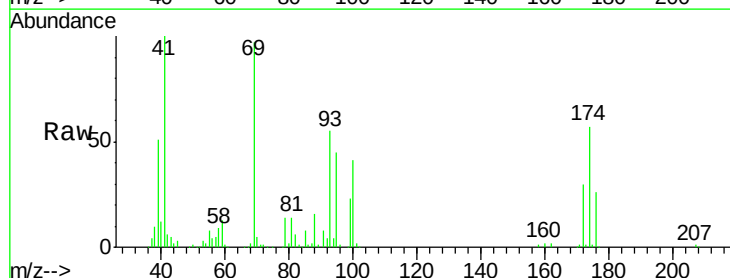
RT: 9.30 min Scan# 1240

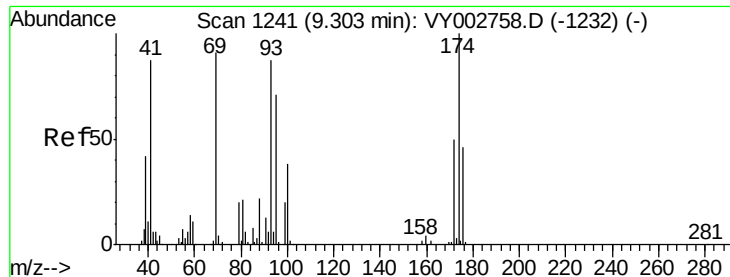
Delta R.T. -0.00 min

Lab File: VY002911.D

Acq: 16 Jun 2020 16:06

Tgt Ion:	41	Resp:	82001
Ion Ratio	Lower	Upper	
41	100		
69	100.0	79.7	119.5
39	55.6	43.3	64.9





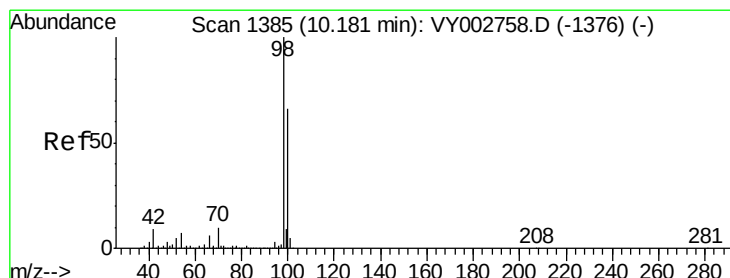
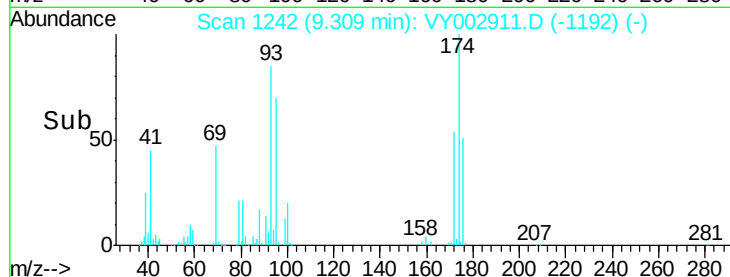
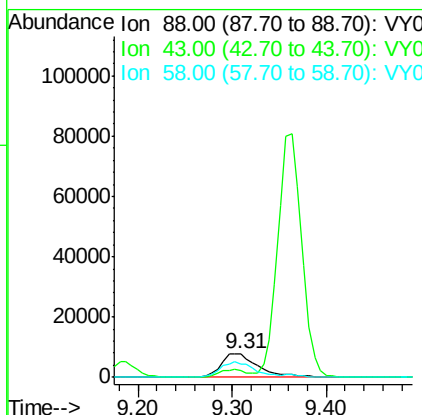
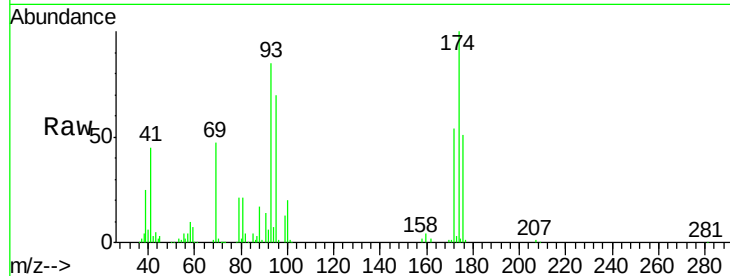
#49
1,4-Dioxane
Concen: 971.631 ug/l
RT: 9.31 min Scan# 1242
Delta R.T. 0.01 min
Lab File: VY002911.D
Acq: 16 Jun 2020 16:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	24.9	21.3	31.9
58	66.3	52.2	78.2

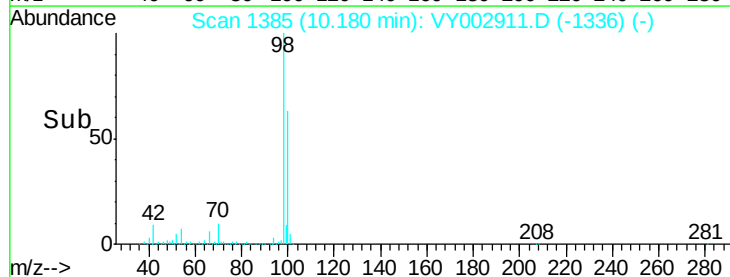
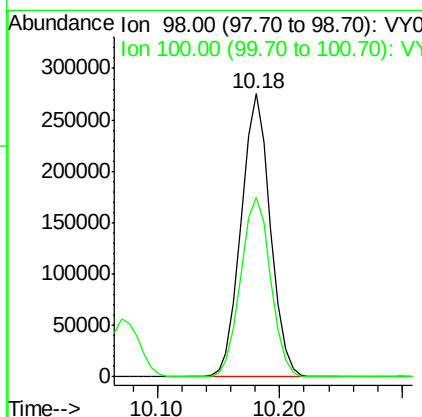
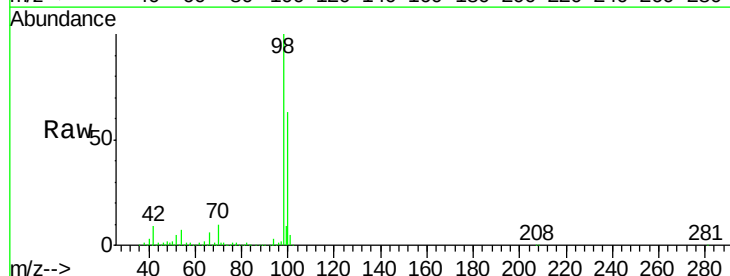
Manual Integrations
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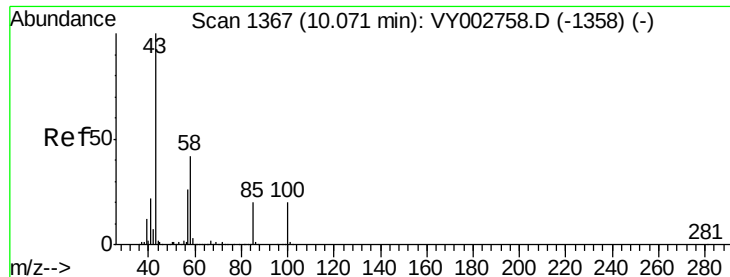
MMDadoda
6/18/2020 11:14:30 AM



#50
Toluene-d8
Concen: 46.815 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VY002911.D
Acq: 16 Jun 2020 16:06

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 261.704 ug/l

RT: 10.07 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VY002911.D

Acq: 16 Jun 2020 16:06

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 493087

Ion Ratio Lower Upper

43 100

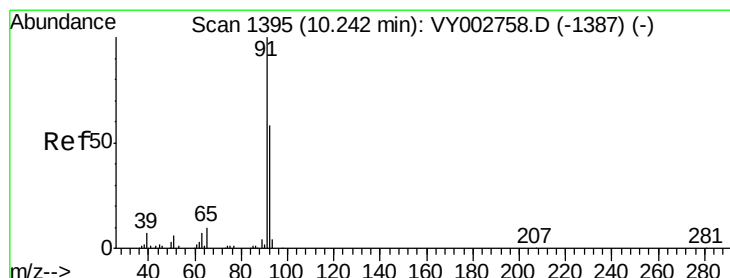
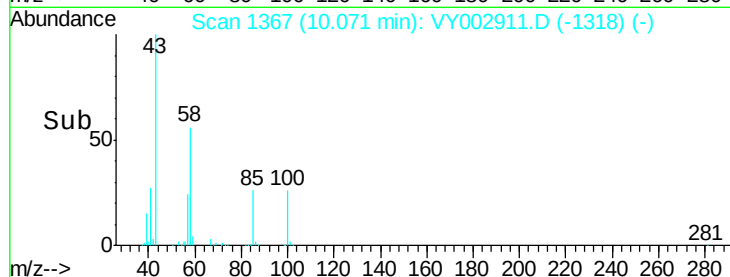
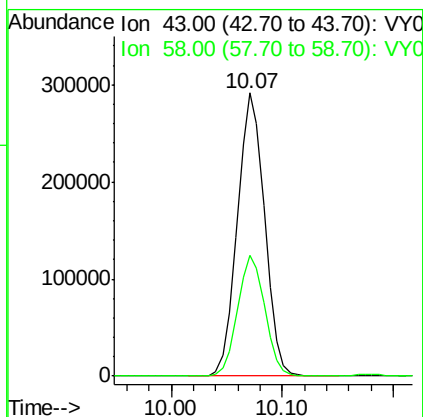
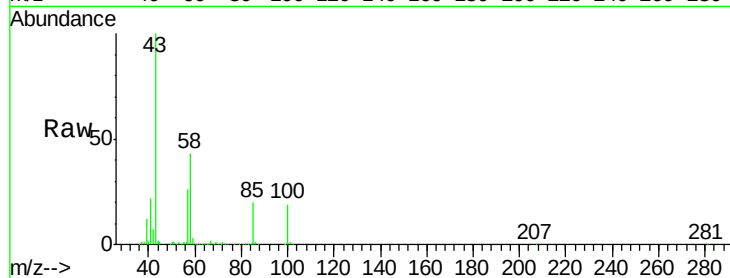
58 42.6 34.2 51.2

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#52

Toluene

Concen: 50.241 ug/l

RT: 10.25 min Scan# 1396

Delta R.T. 0.01 min

Lab File: VY002911.D

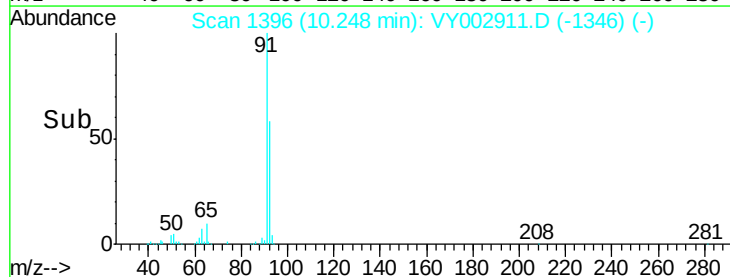
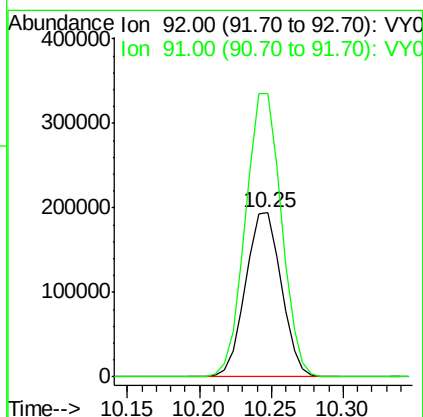
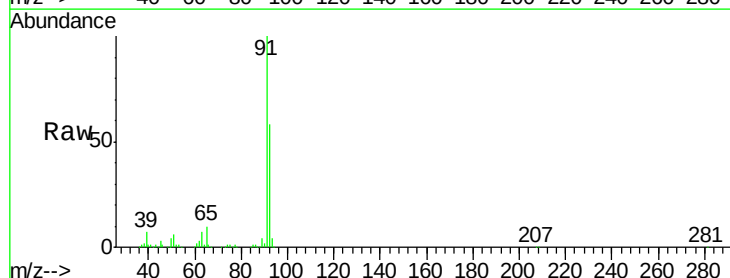
Acq: 16 Jun 2020 16:06

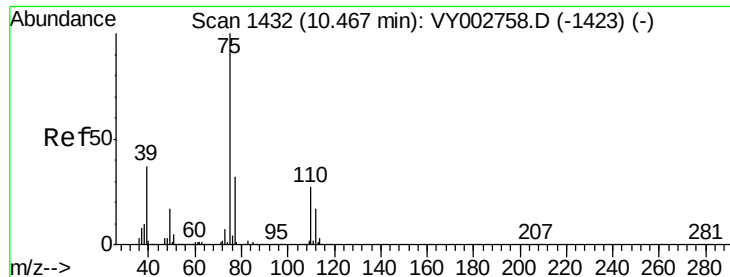
Tgt Ion: 92 Resp: 335148

Ion Ratio Lower Upper

92 100

91 172.9 138.5 207.7





#53

t-1,3-Dichloropropene

Concen: 52.151 ug/l

RT: 10.47 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VY002911.D

Acq: 16 Jun 2020 16:06

Instrument :

MSVOA_Y

ClientSampled :

VSTDCCC050EC

Tot Ion: 75 Resp: 195022

Ion Ratio Lower Upper

75 100

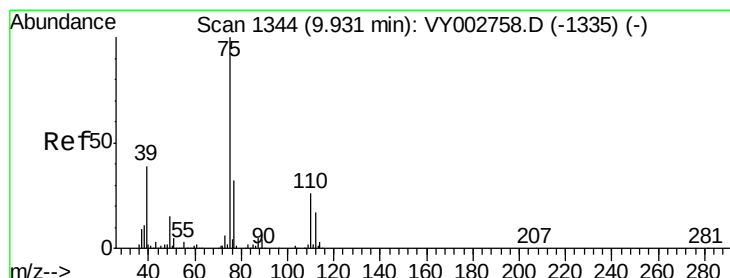
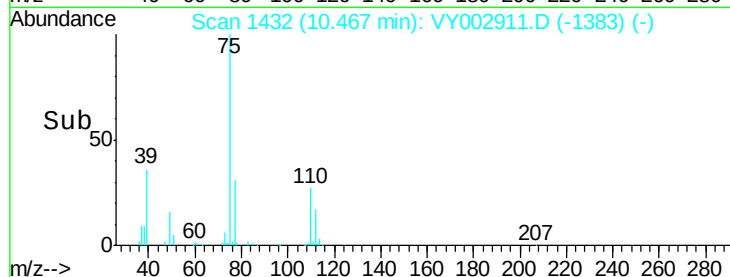
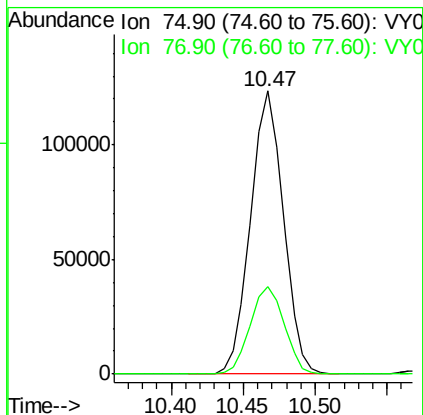
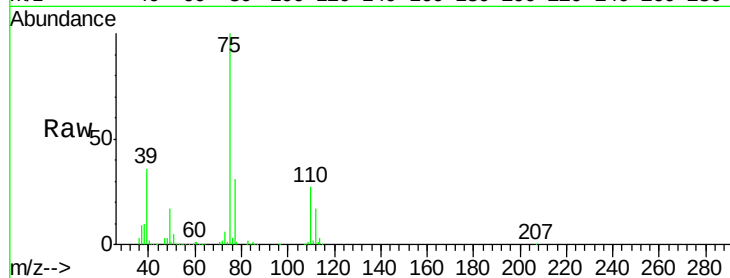
77 30.9 25.3 37.9

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 51.333 ug/l

RT: 9.93 min Scan# 1344

Delta R.T. -0.00 min

Lab File: VY002911.D

Acq: 16 Jun 2020 16:06

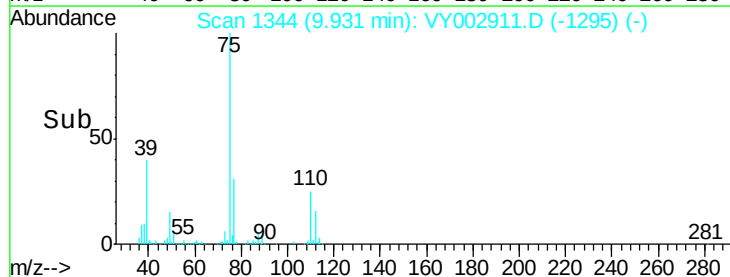
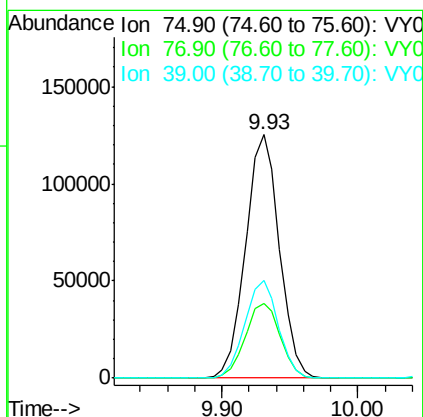
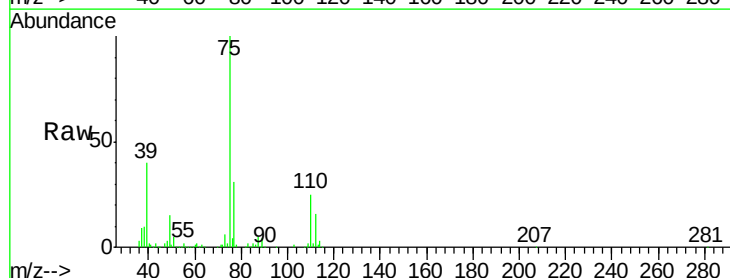
Tgt Ion: 75 Resp: 217517

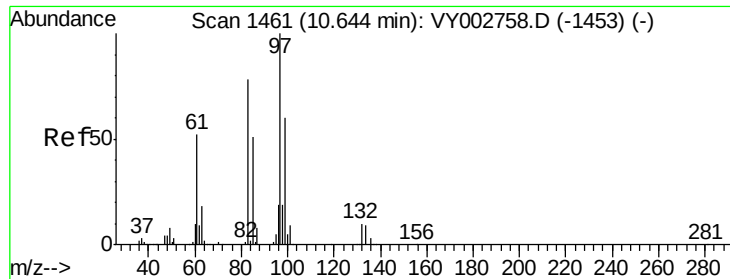
Ion Ratio Lower Upper

75 100

77 30.8 25.6 38.4

39 40.2 31.3 46.9





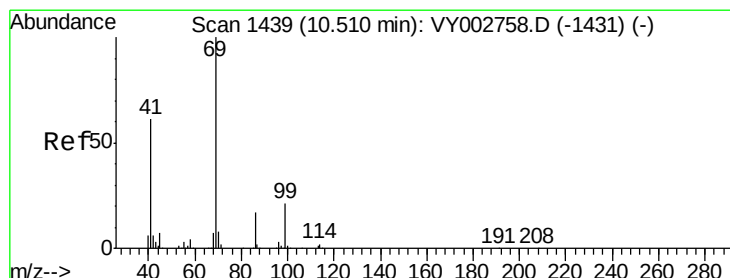
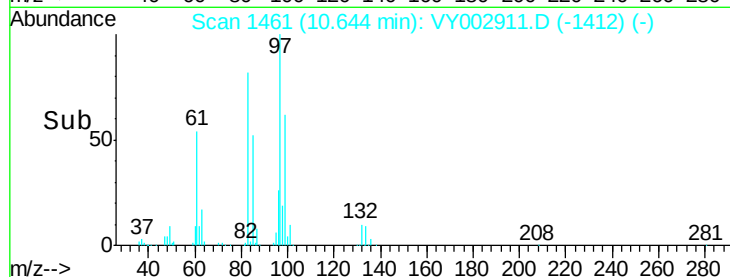
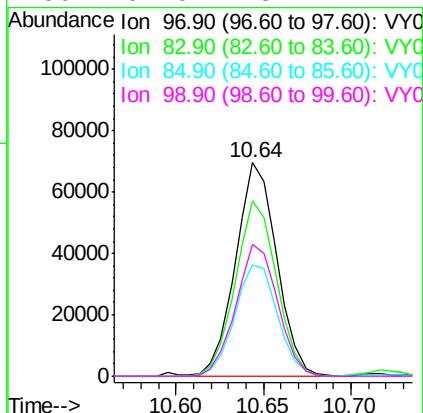
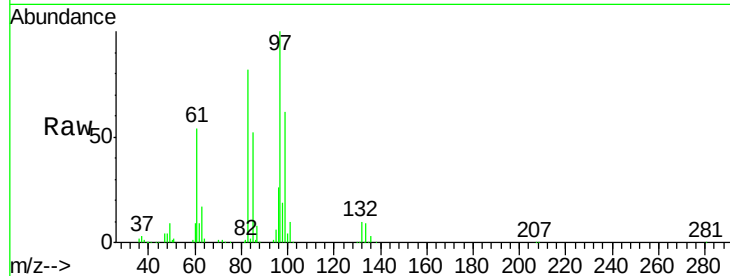
#55
 1,1,2-Trichloroethane
 Concen: 51.108 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. -0.00 min
 Lab File: VY002911.D
 Acq: 16 Jun 2020 16:06

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		113635		
83	82.2	62.7	94.1		
85	52.2	40.6	60.8		
99	62.0	48.2	72.4		

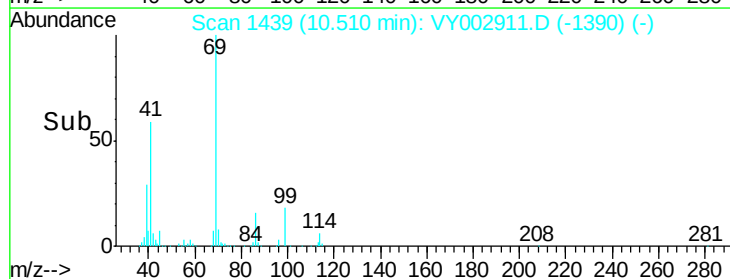
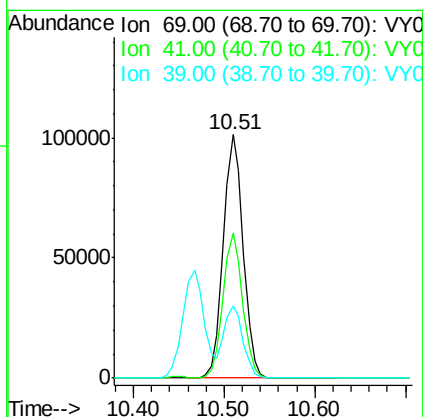
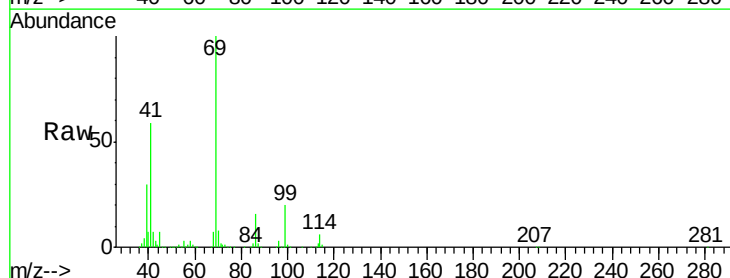
Manual Integrations
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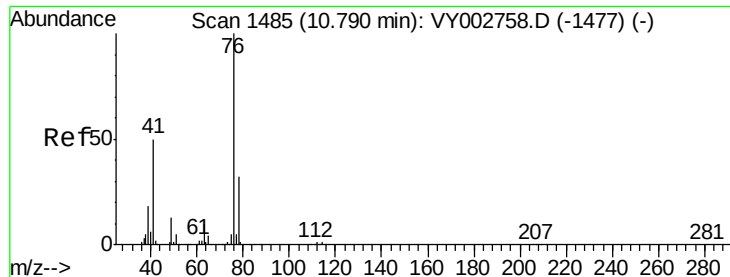
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 52.045 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. -0.00 min
 Lab File: VY002911.D
 Acq: 16 Jun 2020 16:06

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		154993		
41	58.3	47.0	70.4		
39	28.1	22.0	33.0		





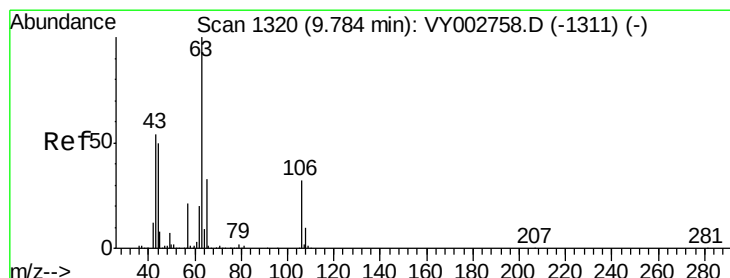
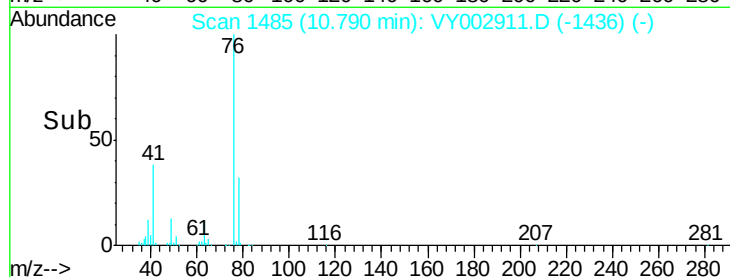
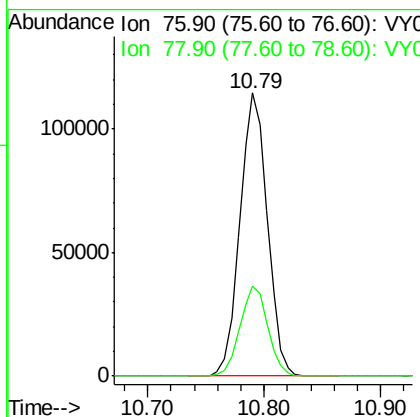
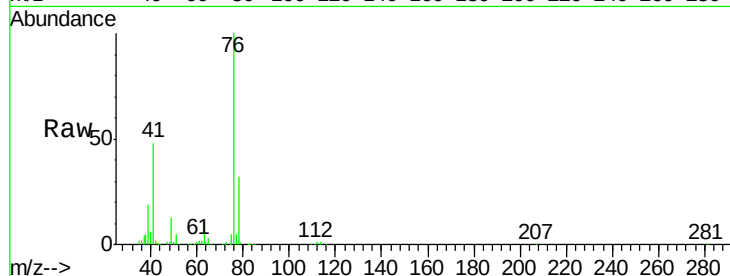
#57
 1,3-Dichloropropane
 Concen: 51.413 ug/l
 RT: 10.79 min Scan# 1485
 Delta R.T. -0.00 min
 Lab File: VY002911.D
 Acq: 16 Jun 2020 16:06

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	26.1	39.1

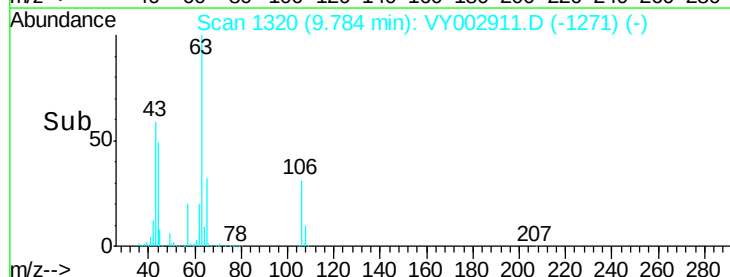
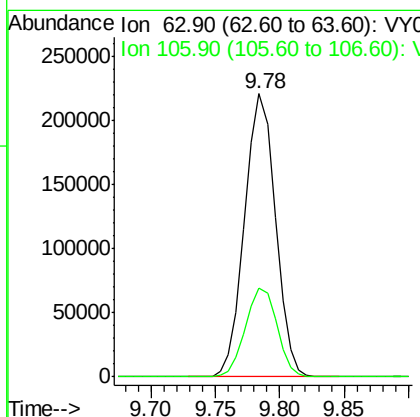
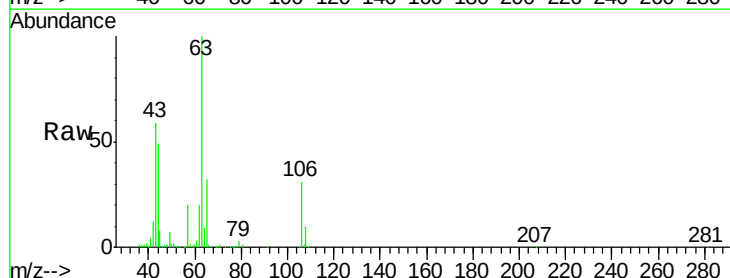
Manual Integrations
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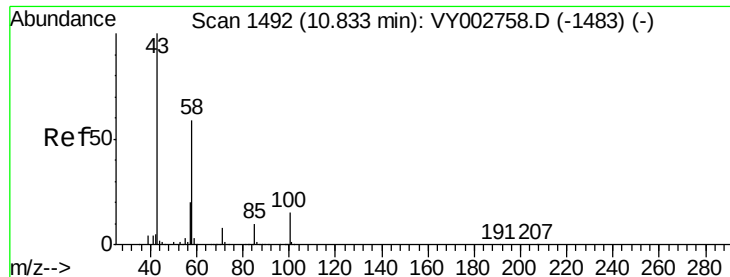
MMDadoda
 6/18/2020 11:14:30 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 251.407 ug/l
 RT: 9.78 min Scan# 1320
 Delta R.T. -0.00 min
 Lab File: VY002911.D
 Acq: 16 Jun 2020 16:06

Tgt Ion	Ratio	Lower	Upper
63	100		
106	32.1	25.4	38.2





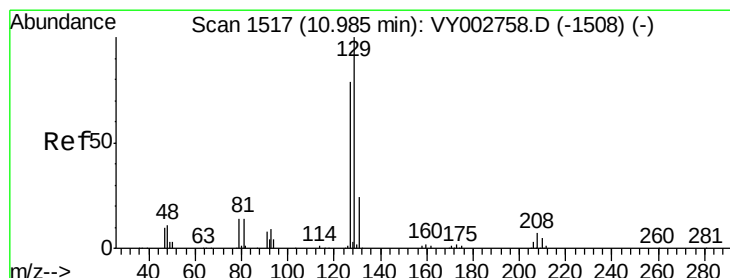
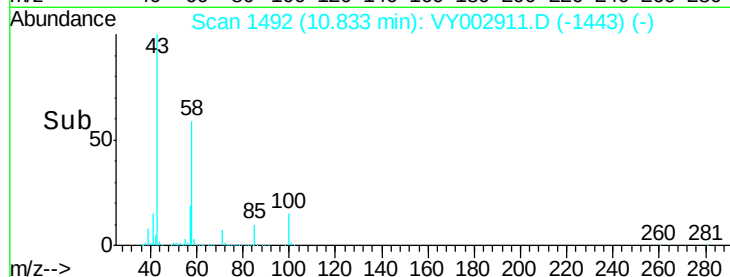
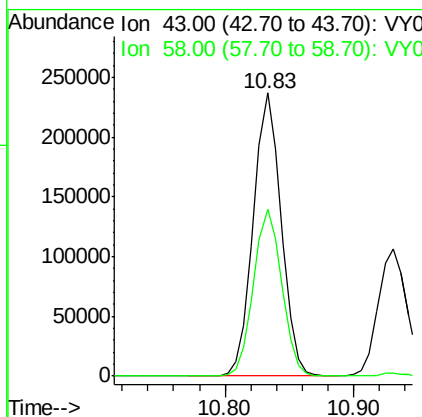
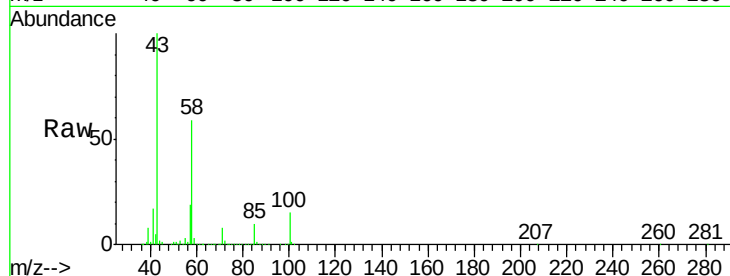
#59
2-Hexanone
Concen: 264.029 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VY002911.D
Acq: 16 Jun 2020 16:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	59.5	29.5	88.5

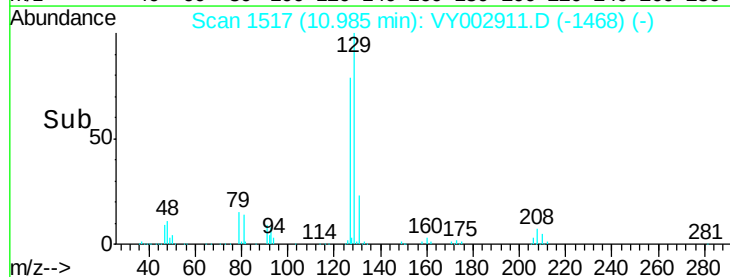
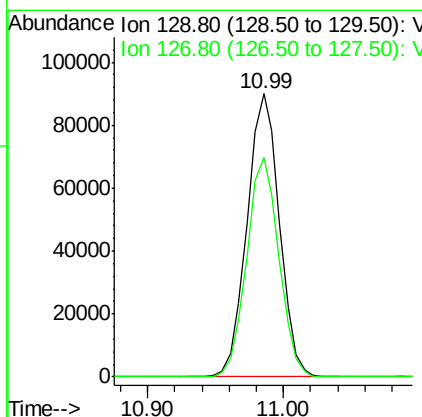
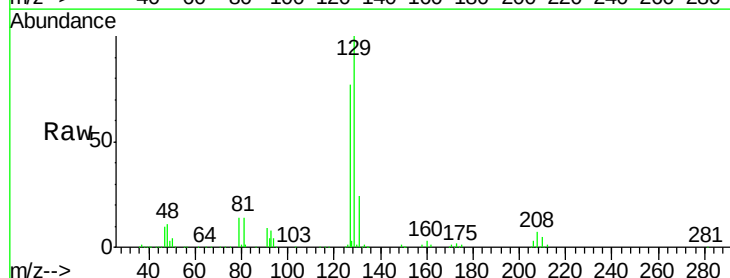
Manual Integrations
APPROVED

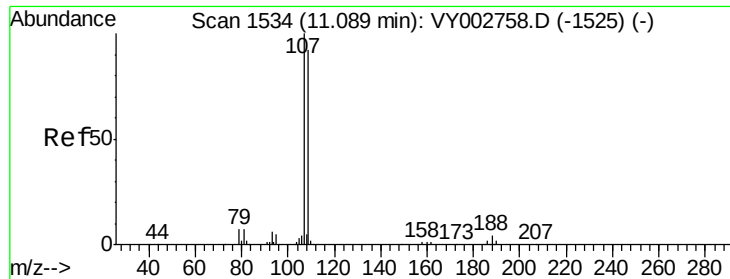
MMDadoda
6/18/2020 11:14:30 AM



#60
Dibromochloromethane
Concen: 53.160 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VY002911.D
Acq: 16 Jun 2020 16:06

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.2	38.5	115.3





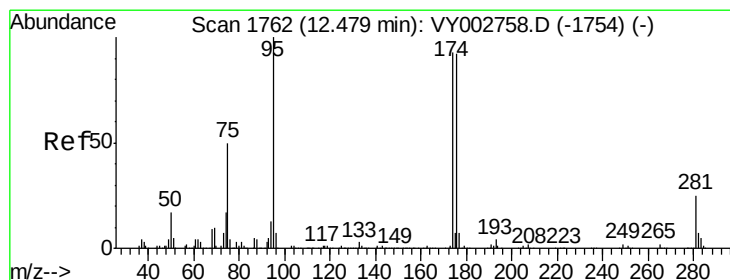
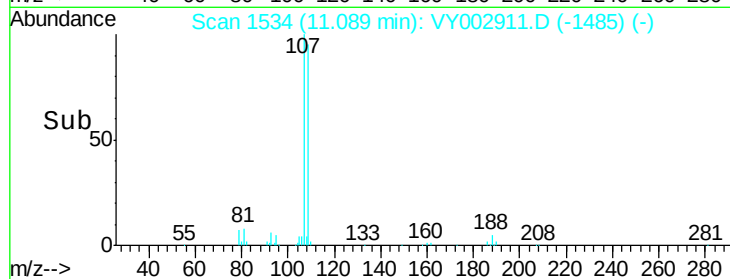
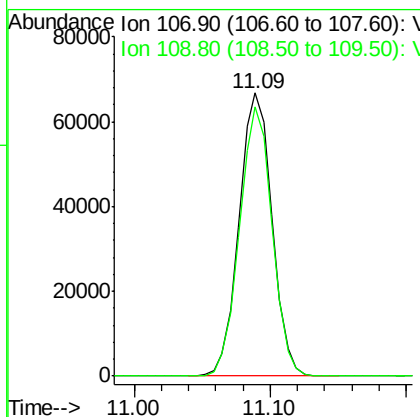
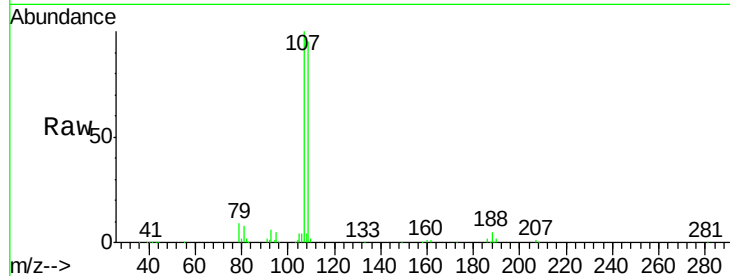
#61
 1,2-Dibromoethane
 Concen: 51.367 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VY002911.D
 Acq: 16 Jun 2020 16:06

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 107 Resp: 112663
 Ion Ratio Lower Upper
 107 100
 109 94.1 75.6 113.4

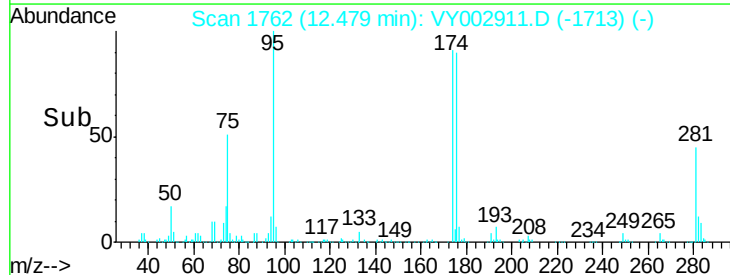
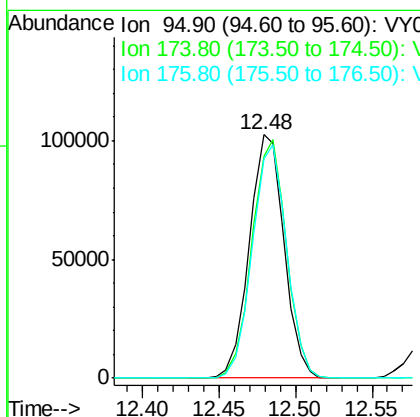
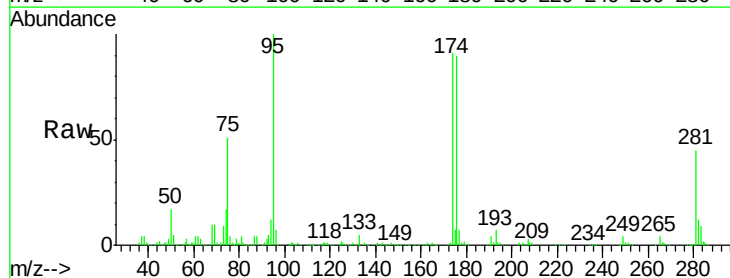
Manual Integrations
 APPROVED

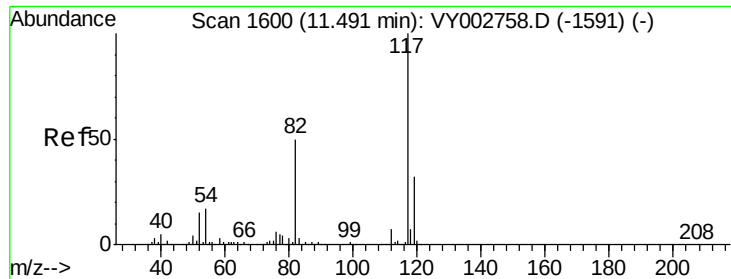
MMDadoda
 6/18/2020 11:14:30 AM



#62
 4-Bromofluorobenzene
 Concen: 48.658 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.00 min
 Lab File: VY002911.D
 Acq: 16 Jun 2020 16:06

Tgt Ion: 95 Resp: 161430
 Ion Ratio Lower Upper
 95 100
 174 97.3 0.0 191.2
 176 95.6 0.0 188.8





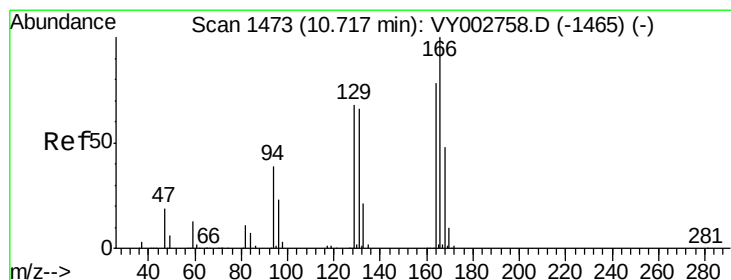
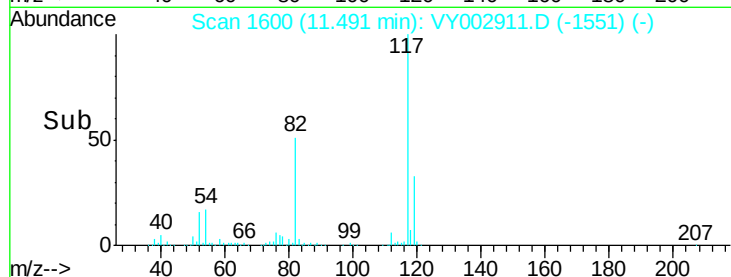
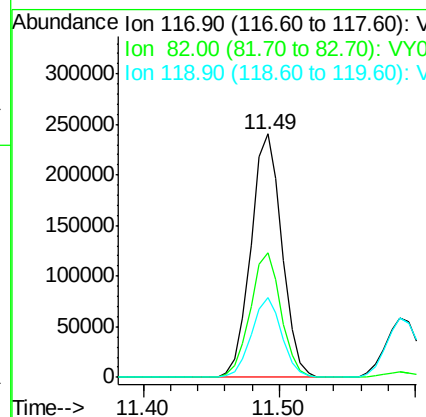
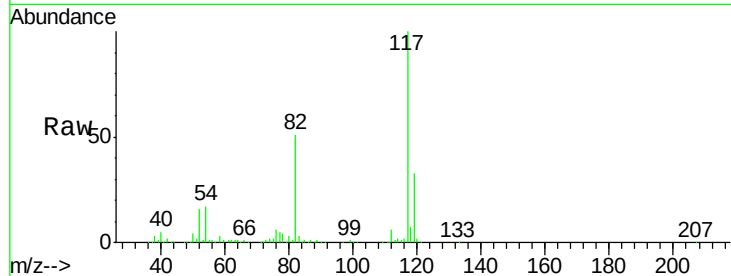
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY002911.D
Acq: 16 Jun 2020 16:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	384595		
82	50.9		40.2	60.4
119	32.6		25.8	38.8

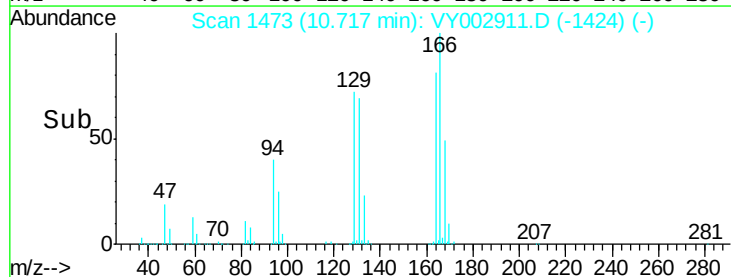
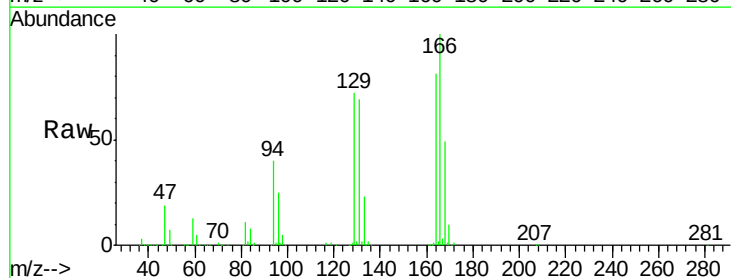
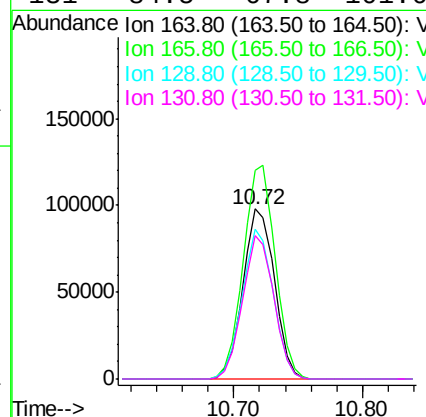
Manual Integrations
APPROVED

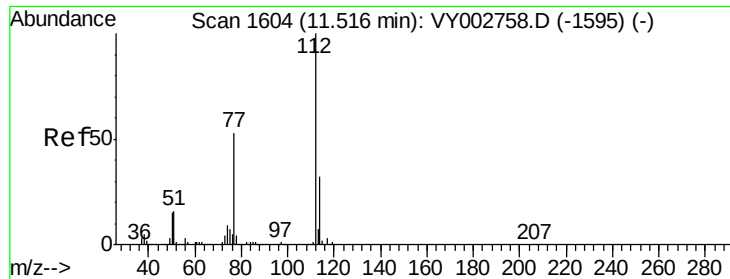
MMDadoda
6/18/2020 11:14:30 AM



#64
Tetrachloroethene
Concen: 47.286 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VY002911.D
Acq: 16 Jun 2020 16:06

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	165284		
166	122.8		102.3	153.5
129	88.0		69.4	104.2
131	84.5		67.8	101.6





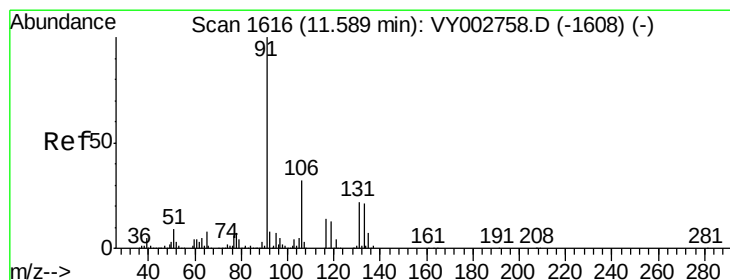
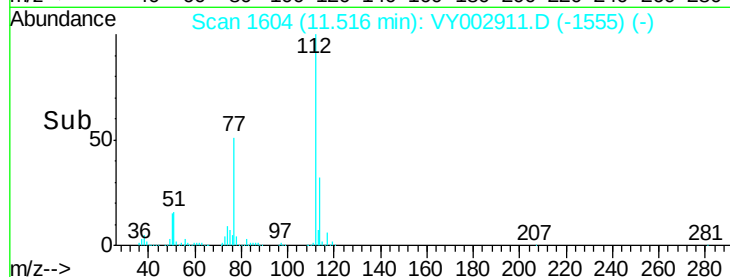
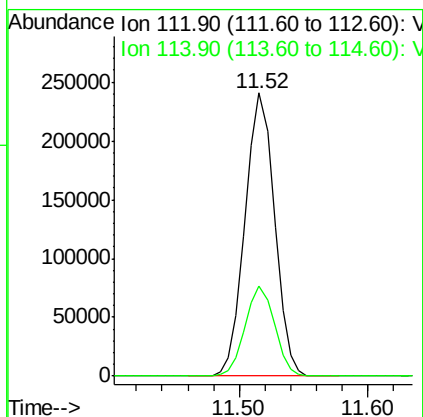
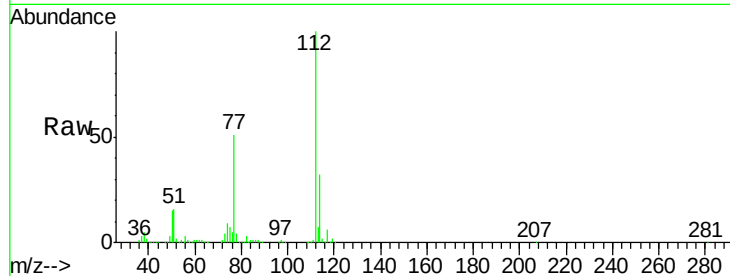
#65
Chlorobenzene
Concen: 50.081 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VY002911.D
Acq: 16 Jun 2020 16:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 380695
Ion Ratio Lower Upper
112 100
114 31.8 25.7 38.5

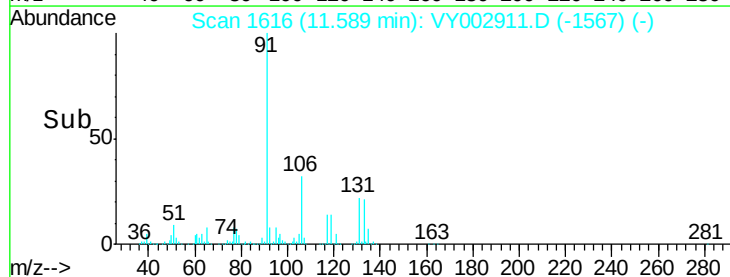
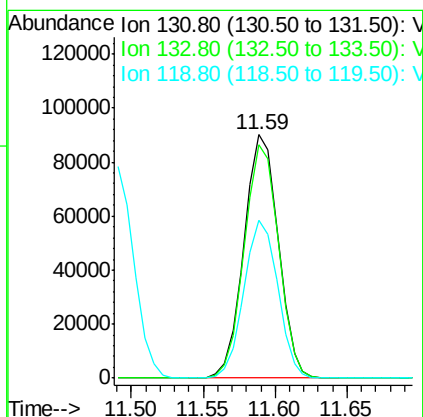
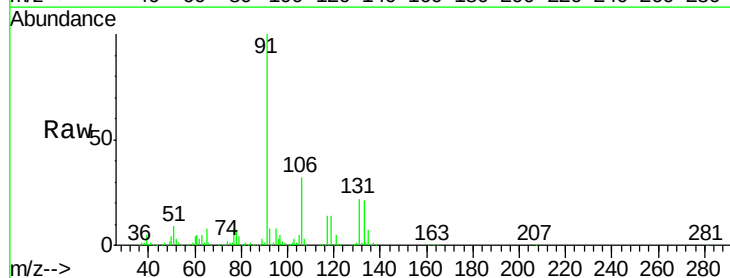
Manual Integrations
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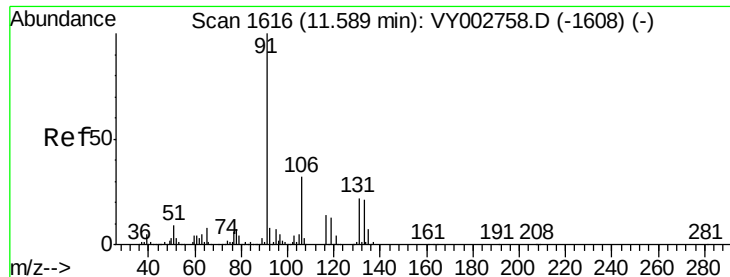
MMDadoda
6/18/2020 11:14:30 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.816 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. -0.00 min
Lab File: VY002911.D
Acq: 16 Jun 2020 16:06

Tgt Ion:131 Resp: 148343
Ion Ratio Lower Upper
131 100
133 96.0 47.6 142.8
119 64.1 31.7 95.1





#67

Ethyl Benzene

Concen: 50.322 ug/l

RT: 11.59 min Scan# 1617

Delta R.T. 0.01 min

Lab File: VY002911.D

Acq: 16 Jun 2020 16:06

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 663150

Ion Ratio Lower Upper

91 100

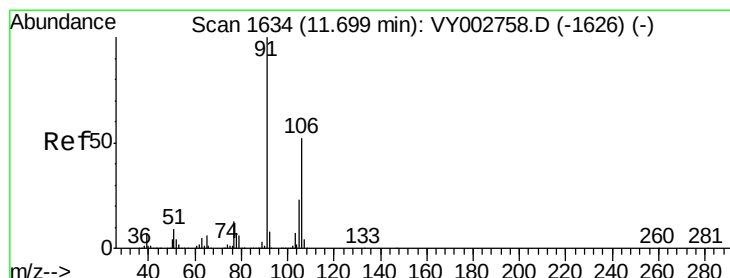
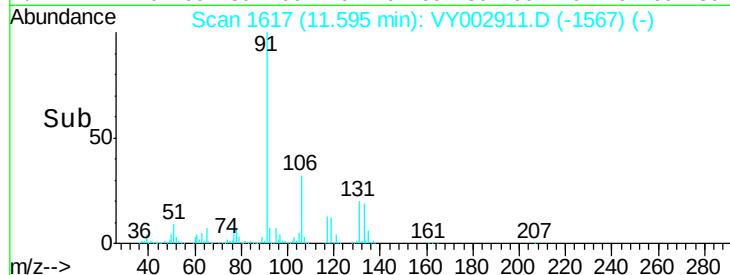
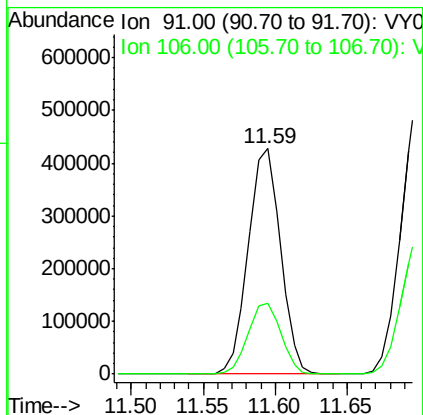
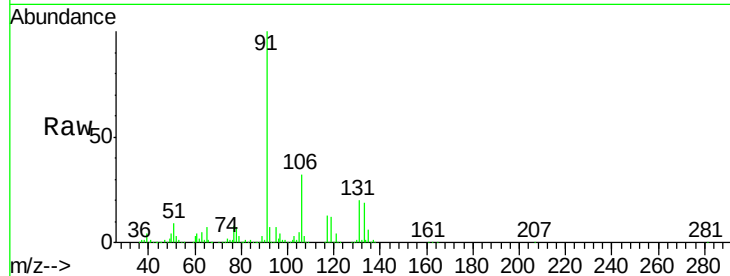
106 31.6 25.7 38.5

Manual Integrations

APPROVED

MMDadoda

6/18/2020 11:14:30 AM



#68

m/p-Xylenes

Concen: 100.288 ug/l

RT: 11.70 min Scan# 1635

Delta R.T. 0.01 min

Lab File: VY002911.D

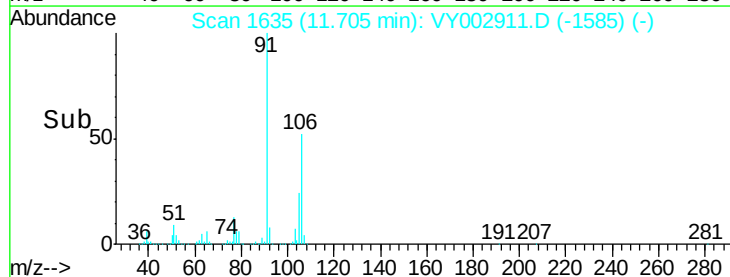
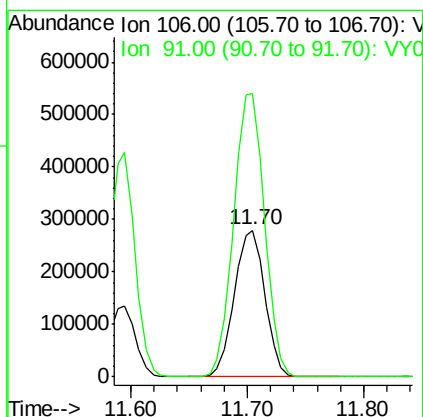
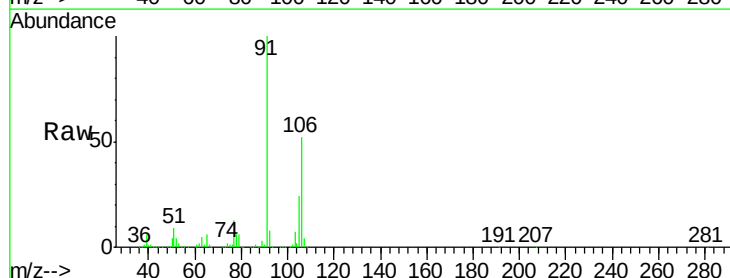
Acq: 16 Jun 2020 16:06

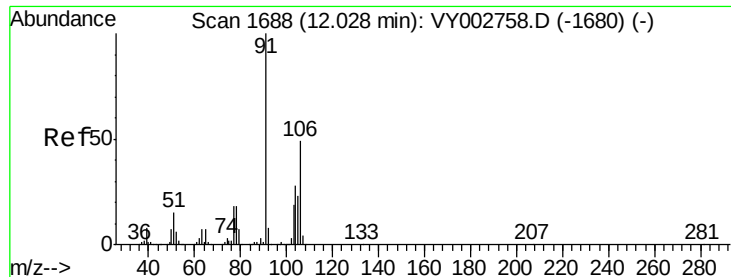
Tgt Ion: 106 Resp: 512411

Ion Ratio Lower Upper

106 100

91 194.8 156.0 234.0





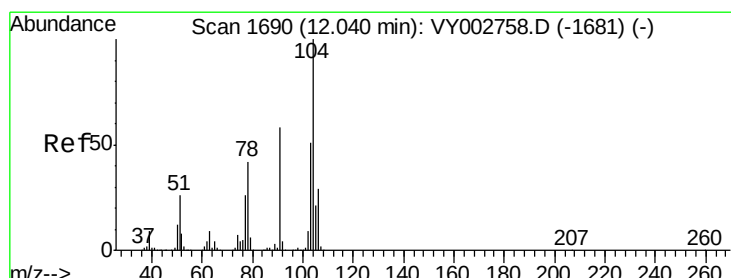
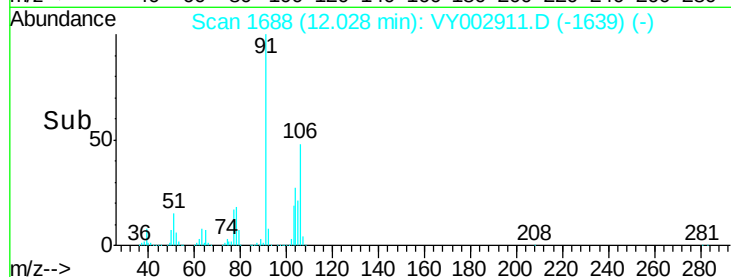
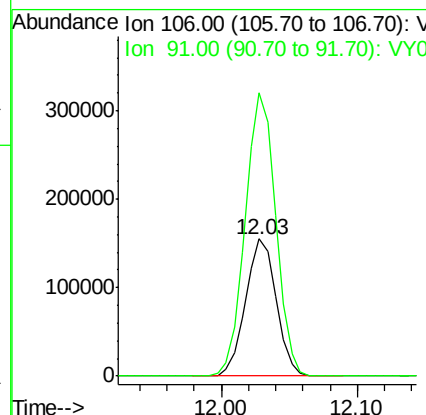
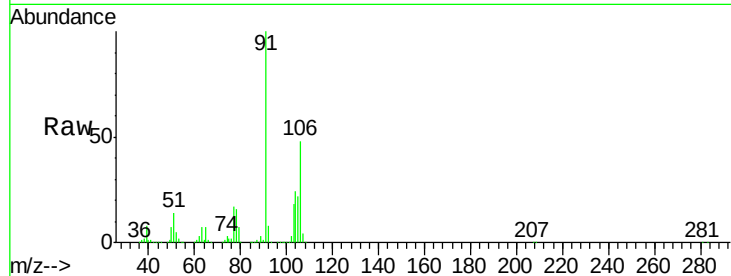
#69
o-Xylene
Concen: 50.635 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VY002911.D
Acq: 16 Jun 2020 16:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
244235	106	100		
	91	205.8	102.4	307.1

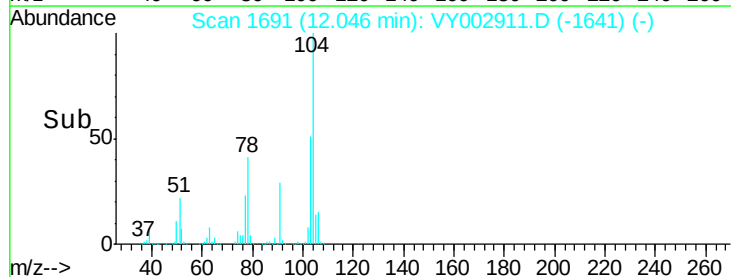
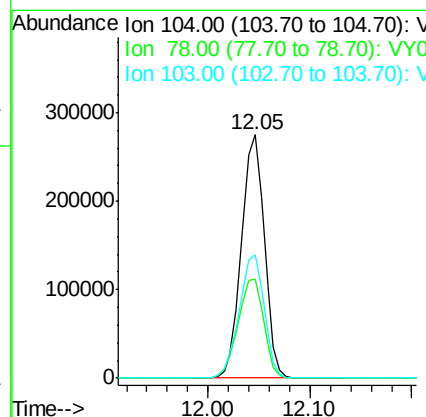
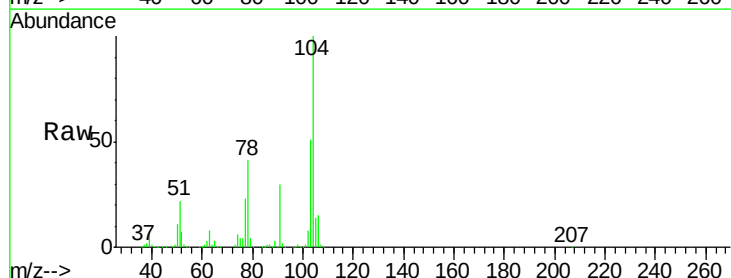
Manual Integrations
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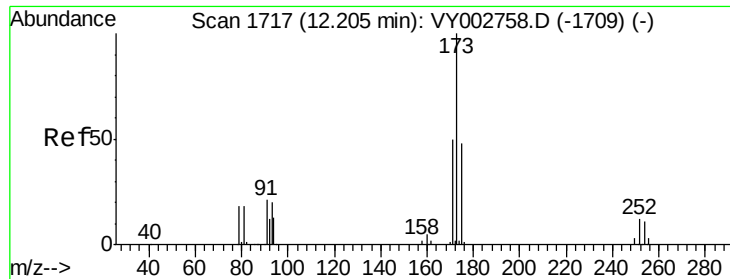
MMDadoda
6/18/2020 11:14:30 AM



#70
Styrene
Concen: 50.952 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. 0.01 min
Lab File: VY002911.D
Acq: 16 Jun 2020 16:06

Tgt Ion	Ion	Ratio	Lower	Upper
426042	104	100		
	78	45.8	36.2	54.4
	103	55.5	43.6	65.4





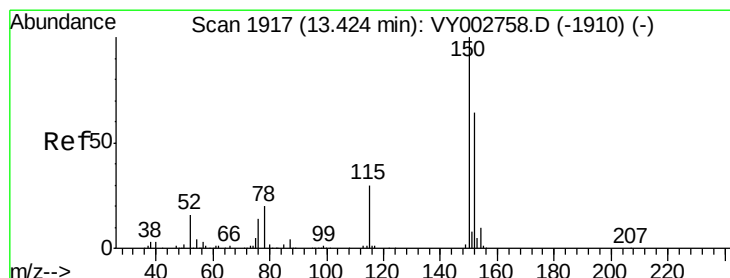
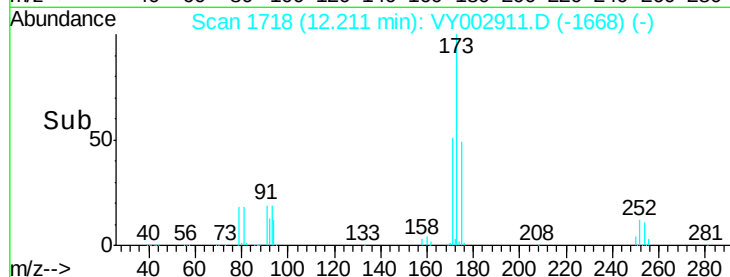
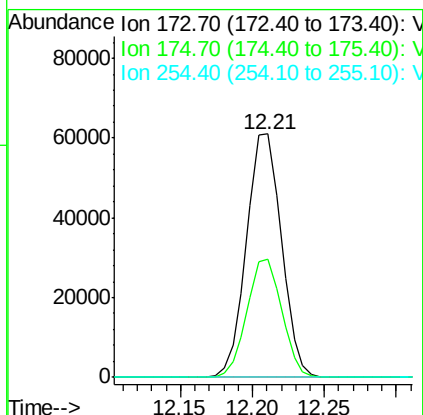
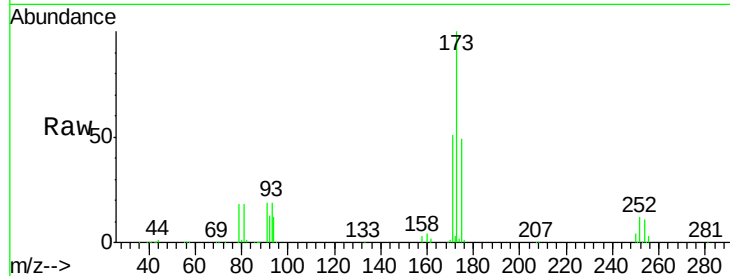
#71
Bromoform
Concen: 53.514 ug/l
RT: 12.21 min Scan# 1718
Delta R.T. 0.01 min
Lab File: VY002911.D
Acq: 16 Jun 2020 16:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.3	72.8
254	0.1	0.1	0.1

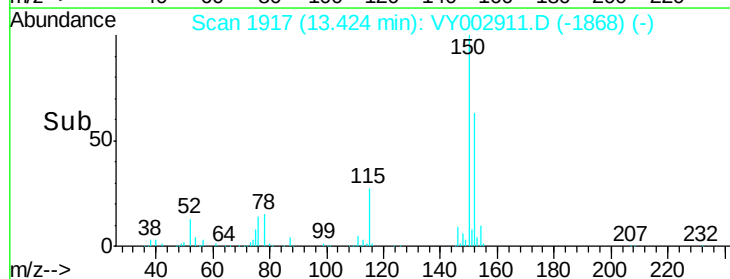
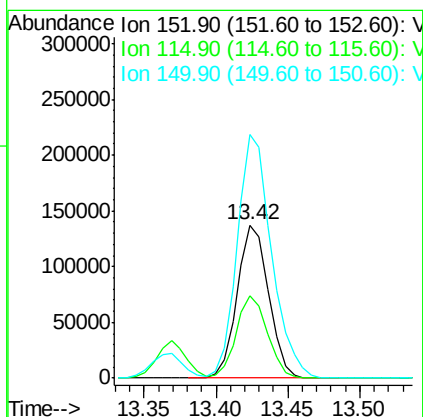
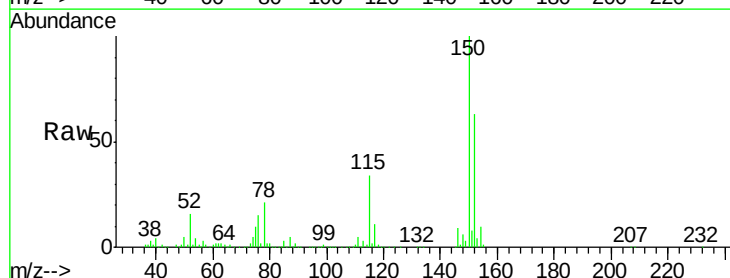
Manual Integrations
APPROVED

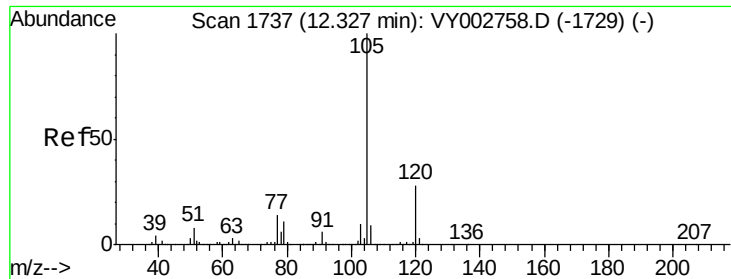
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY002911.D
Acq: 16 Jun 2020 16:06

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.6	27.0	81.0
150	173.8	0.0	344.8





#73

Isopropylbenzene

Concen: 50.124 ug/l

RT: 12.33 min Scan# 1738

Delta R.T. 0.01 min

Lab File: VY002911.D

Acq: 16 Jun 2020 16:06

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 668490

Ion Ratio Lower Upper

105 100

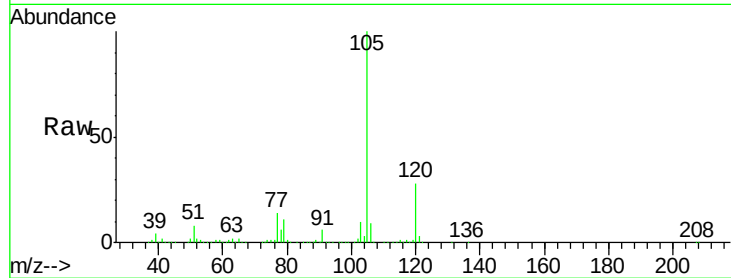
120 27.5 13.7 41.1

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

12.33

400000

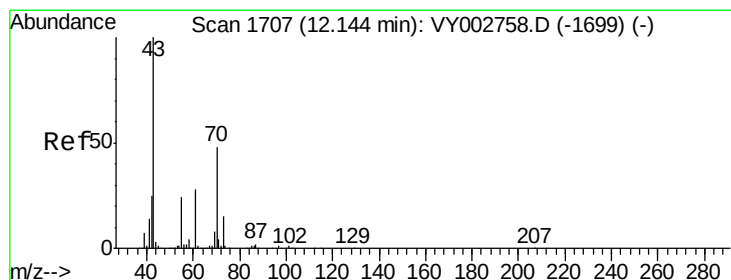
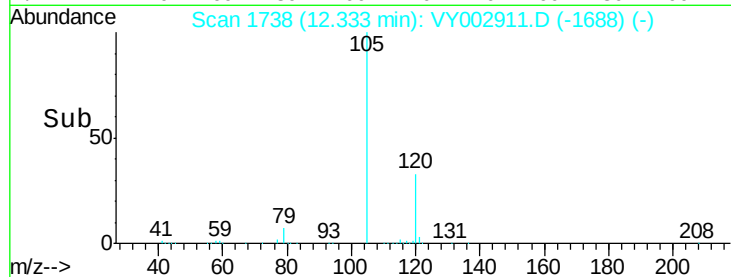
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 50.411 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VY002911.D

Acq: 16 Jun 2020 16:06

Tgt Ion: 43 Resp: 172502

Ion Ratio Lower Upper

43 100

70 48.8 37.7 56.5

55 25.1 19.8 29.6

61 26.7 21.7 32.5

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

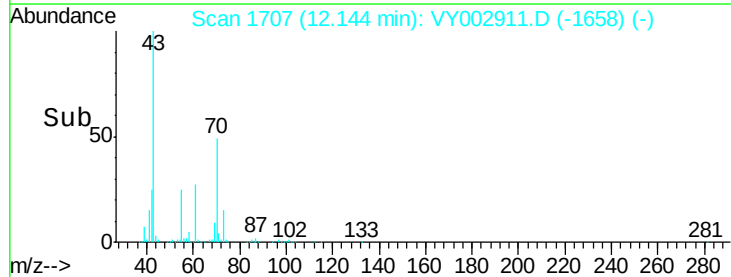
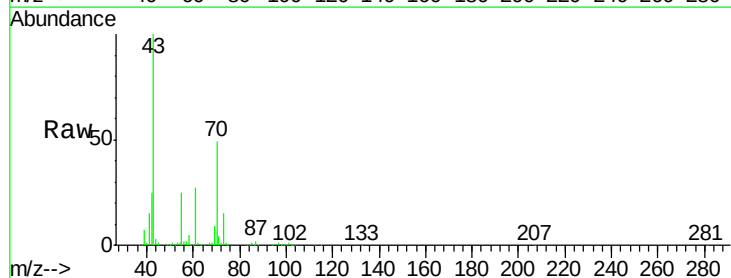
150000

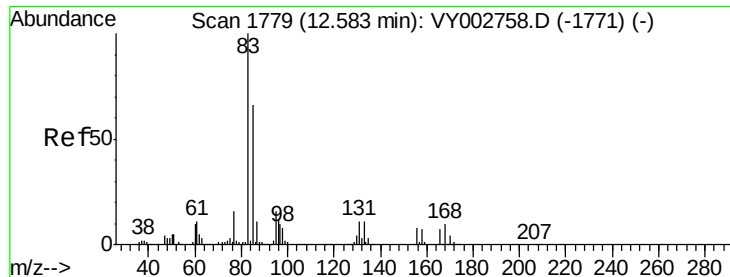
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 53.701 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VY002911.D

Acq: 16 Jun 2020 16:06

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 125659

Ion Ratio Lower Upper

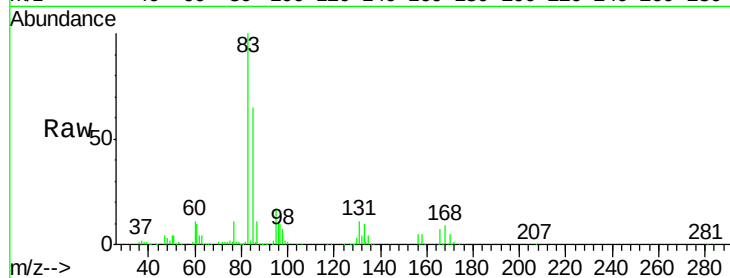
83 100

131 11.8 5.8 17.4

85 64.0 32.6 98.0

Manual Integrations
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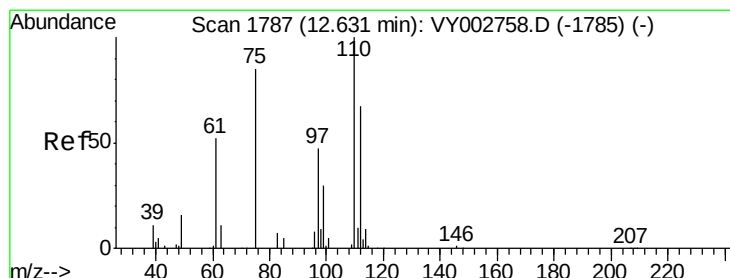
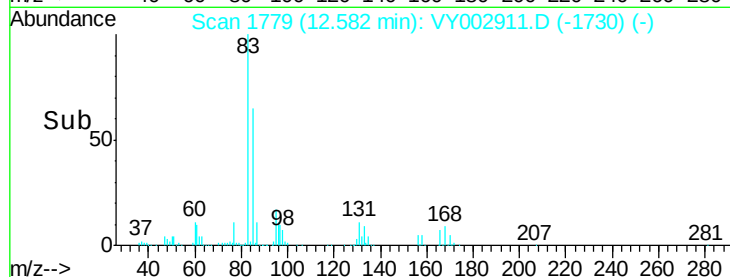
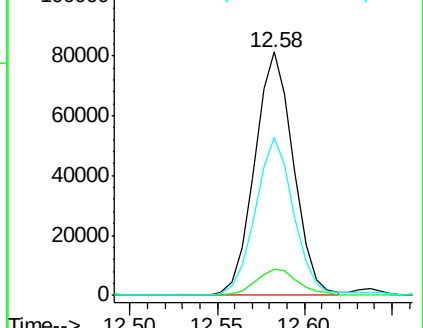
MMDadoda
6/18/2020 11:14:30 AM



Abundance Ion 82.90 (82.60 to 83.60): VY002911.D (-1730) (-)

Ion 130.80 (130.50 to 131.50): VY002911.D (-1730) (-)

Ion 84.90 (84.60 to 85.60): VY002911.D (-1730) (-)



#76

1,2,3-Trichloropropane

Concen: 53.148 ug/l m

RT: 12.64 min Scan# 1788

Delta R.T. 0.01 min

Lab File: VY002911.D

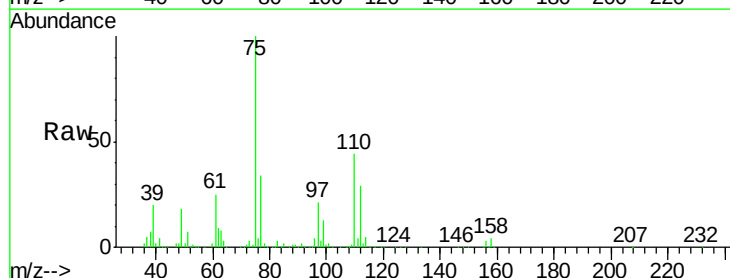
Acq: 16 Jun 2020 16:06

Tgt Ion: 75 Resp: 99664

Ion Ratio Lower Upper

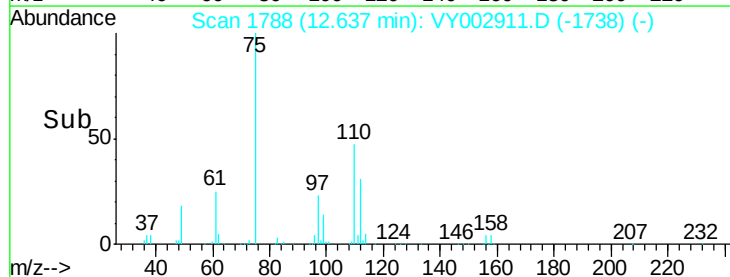
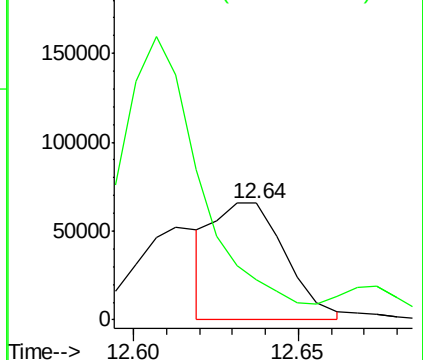
75 100

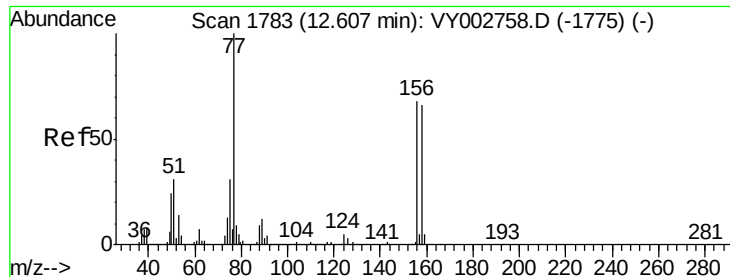
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VY002911.D (-1738) (-)

Ion 77.00 (76.70 to 77.70): VY002911.D (-1738) (-)





#77

Bromobenzene

Concen: 49.855 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VY002911.D

Acq: 16 Jun 2020 16:06

Instrument :

MSVOA_Y

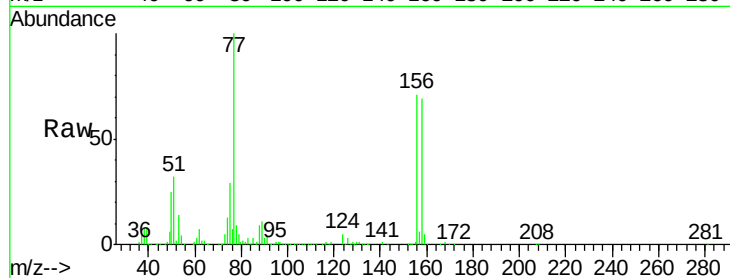
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	173128
Ion Ratio	Lower	Upper	
156	100		
77	162.3	81.4	244.2
158	96.6	48.5	145.6

Manual Integrations
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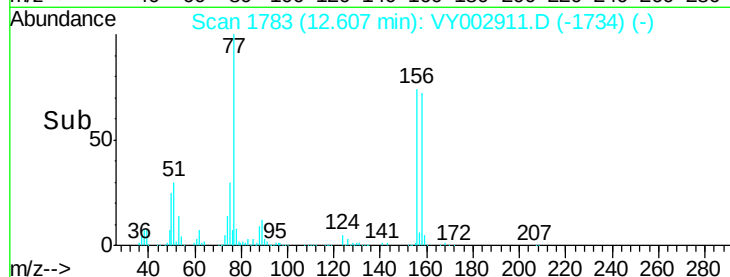
Abundance Ion 155.80 (155.50 to 156.50): VY002758.D (-1775) (-)

Ion 77.00 (76.70 to 77.70): VY002758.D (-1775) (-)

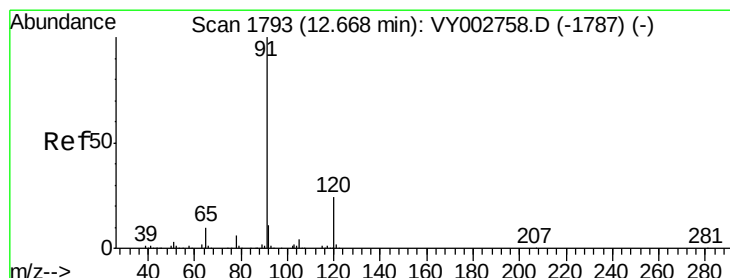
Ion 157.80 (157.50 to 158.50): VY002758.D (-1775) (-)

12.61

Time-->



Time-->



#78

n-propylbenzene

Concen: 50.400 ug/l

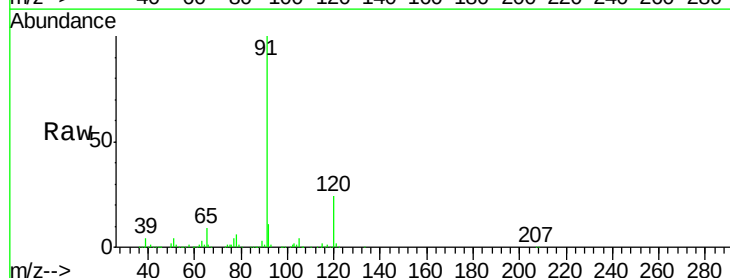
RT: 12.67 min Scan# 1794

Delta R.T. 0.01 min

Lab File: VY002911.D

Acq: 16 Jun 2020 16:06

Tgt Ion:	91	Resp:	776427
Ion Ratio	Lower	Upper	
91	100		
120	24.3	12.3	36.9

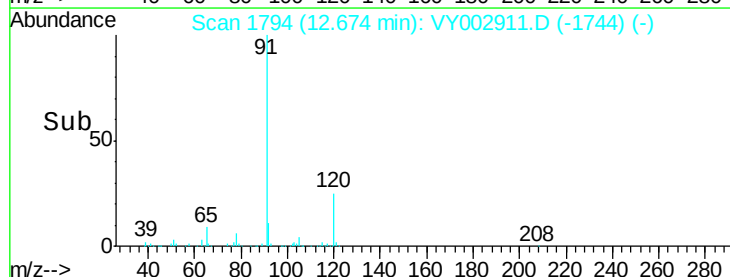


Abundance Ion 91.00 (90.70 to 91.70): VY002758.D (-1787) (-)

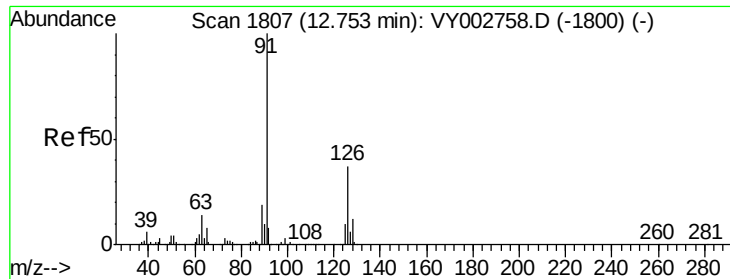
Ion 120.00 (119.70 to 120.70): VY002758.D (-1787) (-)

12.67

Time-->



Time-->



#79

2-Chlorotoluene

Concen: 49.617 ug/l

RT: 12.76 min Scan# 1808

Delta R.T. 0.01 min

Lab File: VY002911.D

Acq: 16 Jun 2020 16:06

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 428768

Ion Ratio Lower Upper

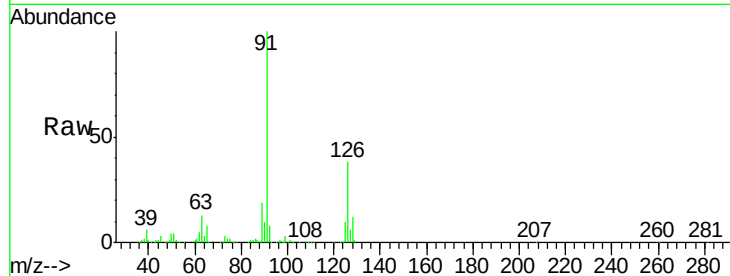
91 100

126 37.3 18.4 55.4

Manual Integrations
APPROVED

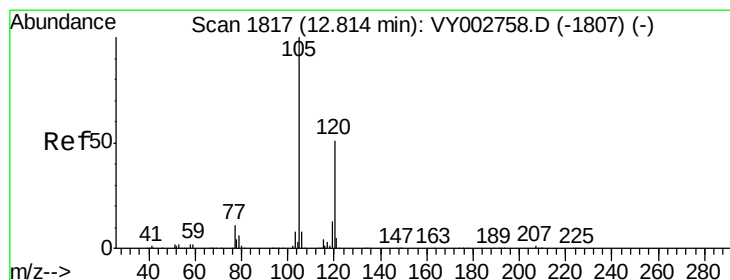
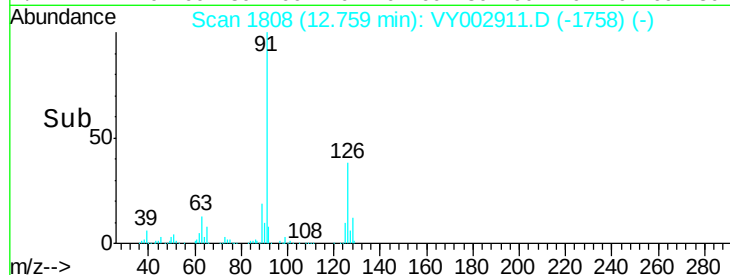
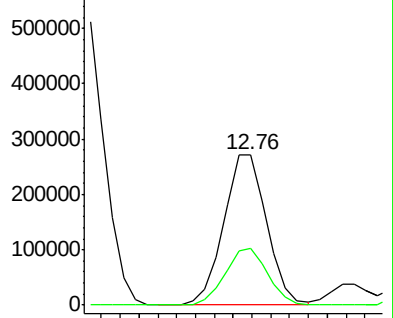
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VY002758.D (-1800) (-)

Ion 125.90 (125.60 to 126.60): VY002758.D (-1800) (-)



#80

1,3,5-Trimethylbenzene

Concen: 50.705 ug/l

RT: 12.81 min Scan# 1817

Delta R.T. -0.00 min

Lab File: VY002911.D

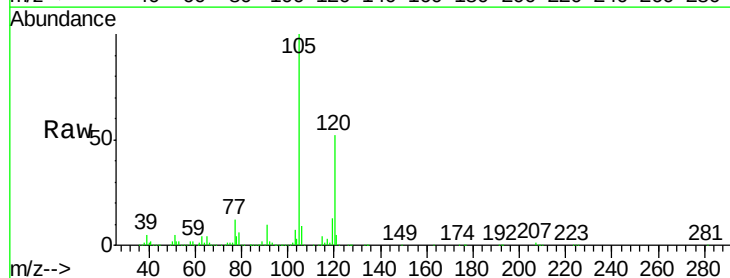
Acq: 16 Jun 2020 16:06

Tgt Ion: 105 Resp: 564623

Ion Ratio Lower Upper

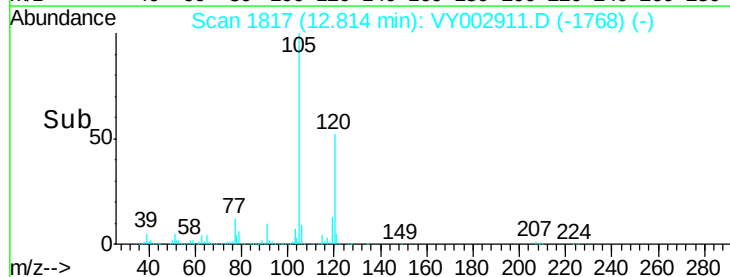
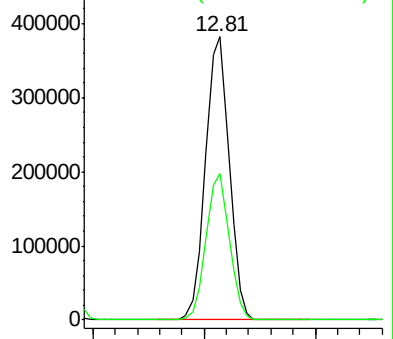
105 100

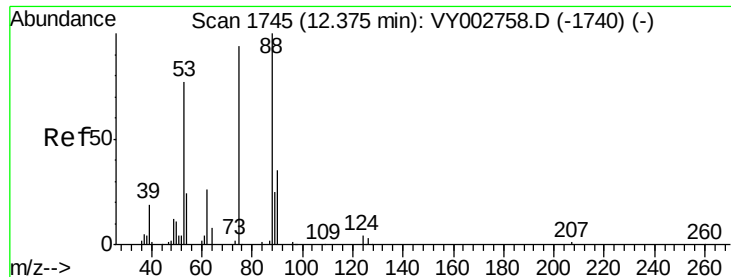
120 50.5 25.3 75.8



Abundance Ion 105.00 (104.70 to 105.70): VY002758.D (-1807) (-)

Ion 120.00 (119.70 to 120.70): VY002758.D (-1807) (-)





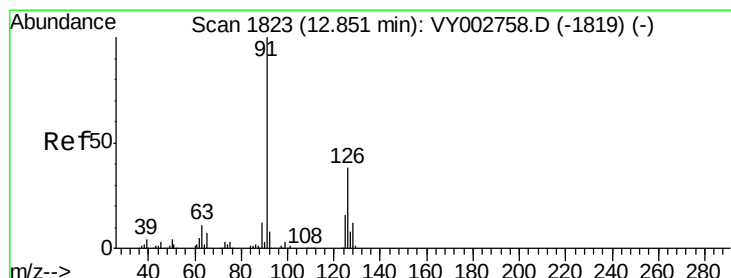
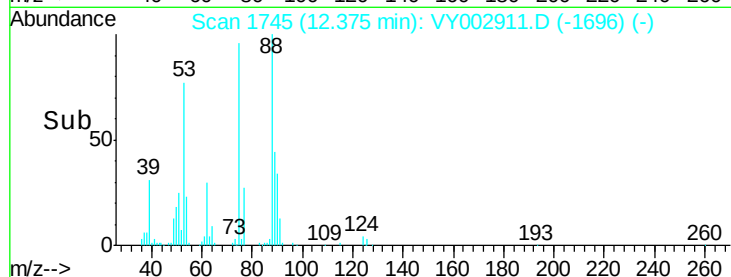
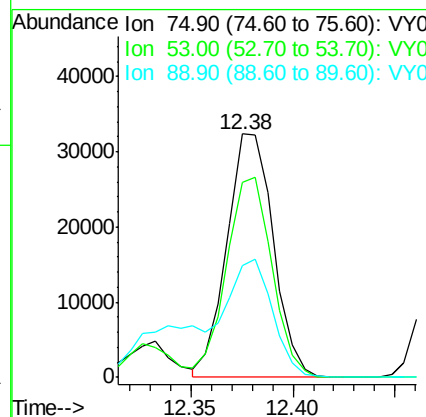
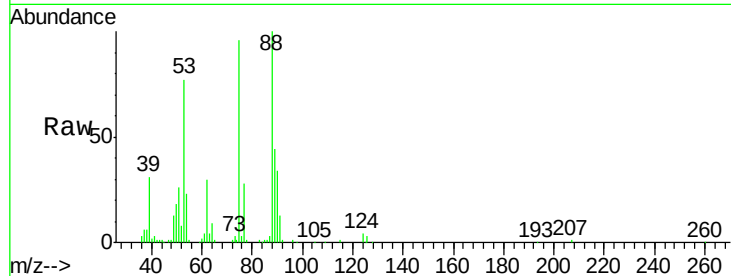
#81
trans-1,4-Dichloro-2-butene
Concen: 50.802 ug/l
RT: 12.38 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VY002911.D
Acq: 16 Jun 2020 16:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	81.5	64.0	96.0
89	48.9	37.4	56.2

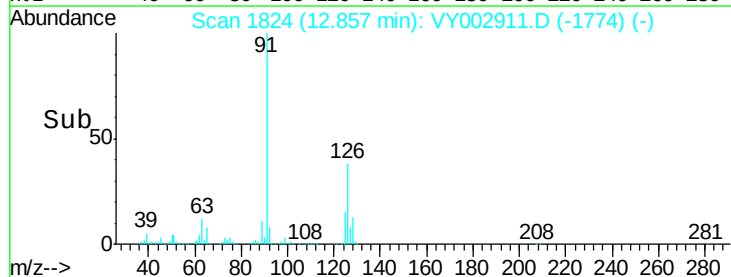
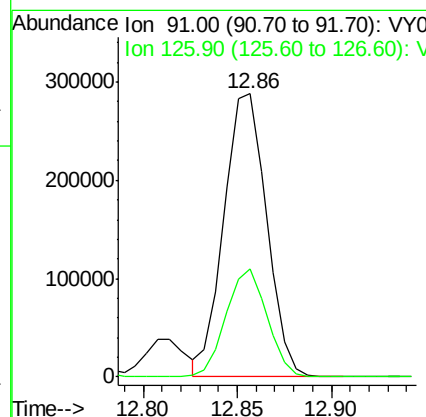
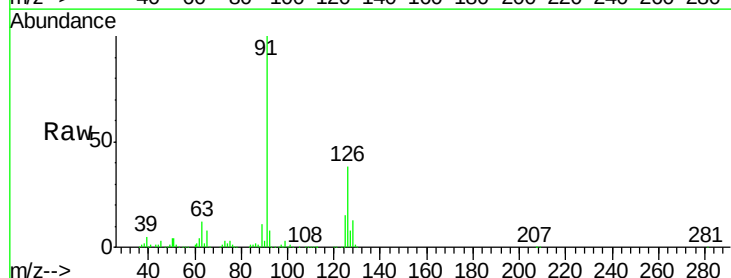
Manual Integrations
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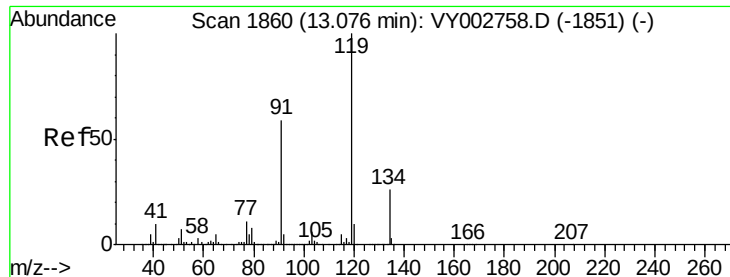
MMDadoda
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#82
4-Chlorotoluene
Concen: 50.001 ug/l
RT: 12.86 min Scan# 1824
Delta R.T. 0.01 min
Lab File: VY002911.D
Acq: 16 Jun 2020 16:06

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.7	18.5	55.5





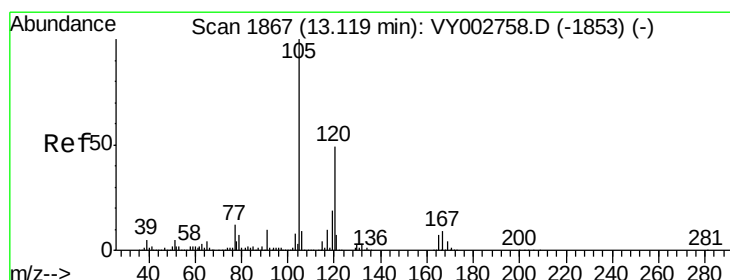
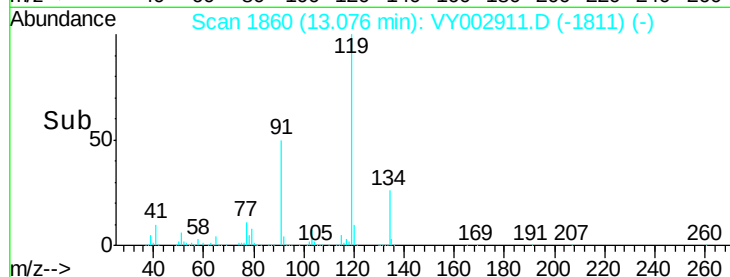
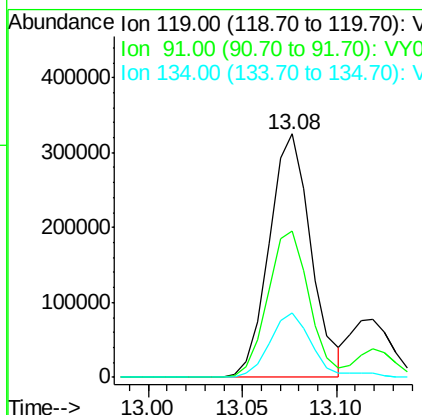
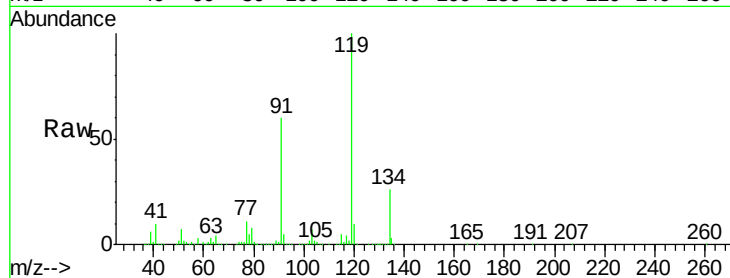
#83
tert-Butylbenzene
Concen: 50.469 ug/l
RT: 13.08 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VY002911.D
Acq: 16 Jun 2020 16:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	59.5	29.8	89.4
134	27.1	13.3	39.8

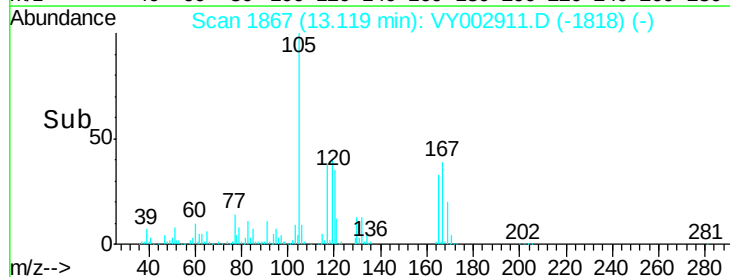
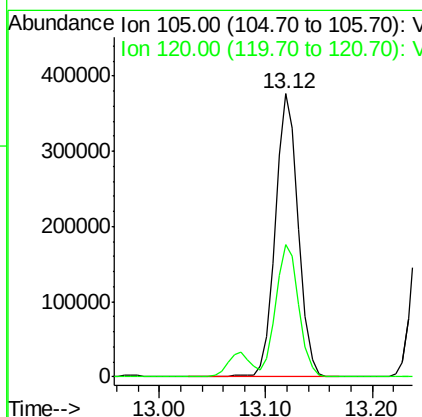
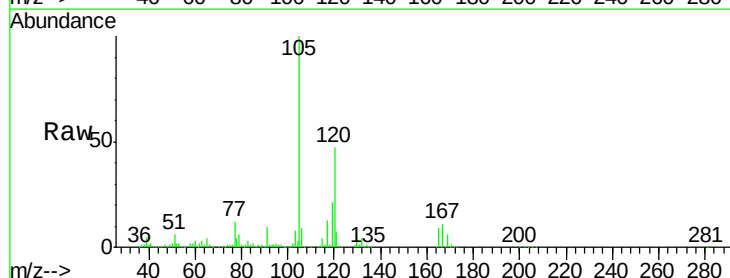
Manual Integrations
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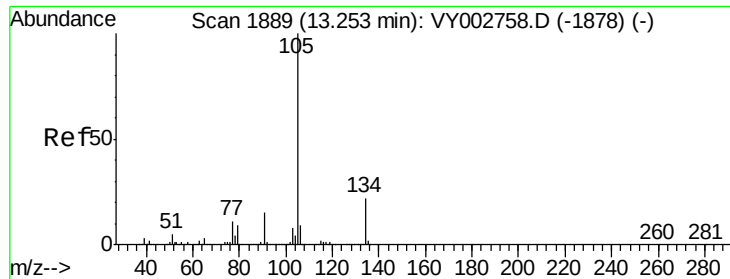
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 50.148 ug/l
RT: 13.12 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VY002911.D
Acq: 16 Jun 2020 16:06

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.7	23.6	70.8





#85

sec-Butylbenzene

Concen: 50.593 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VY002911.D

Acq: 16 Jun 2020 16:06

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 687120

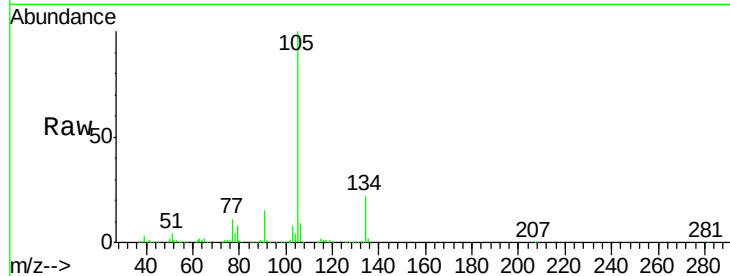
Ion Ratio Lower Upper

105 100

134 21.6 10.8 32.4

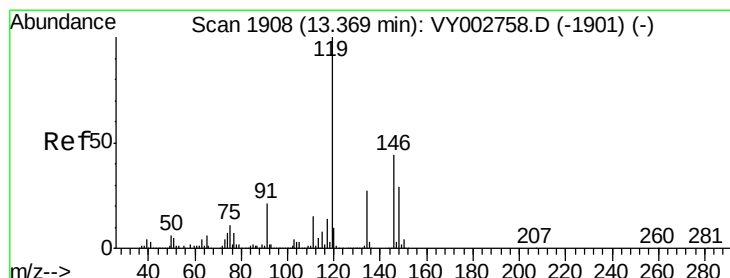
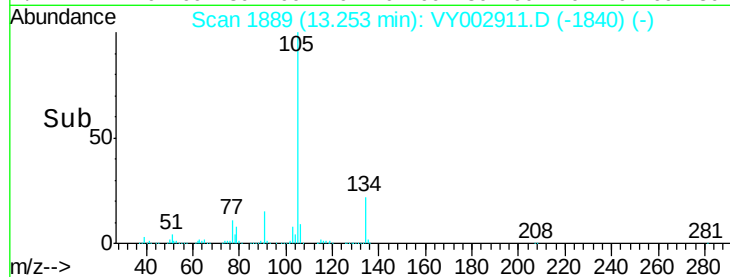
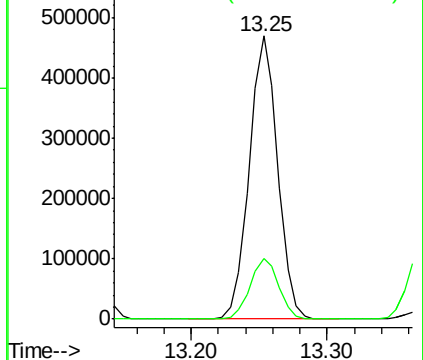
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 50.539 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. -0.00 min

Lab File: VY002911.D

Acq: 16 Jun 2020 16:06

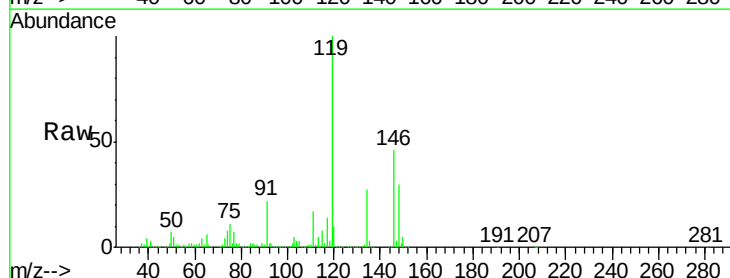
Tgt Ion:119 Resp: 638682

Ion Ratio Lower Upper

119 100

134 27.2 13.7 41.0

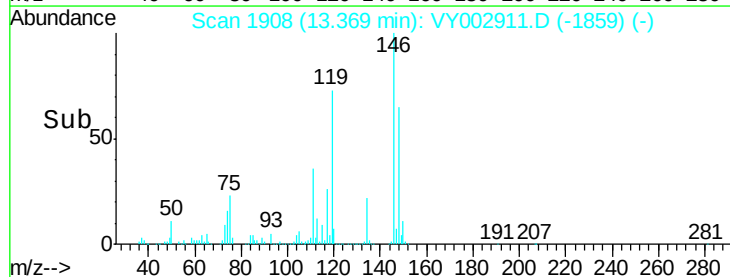
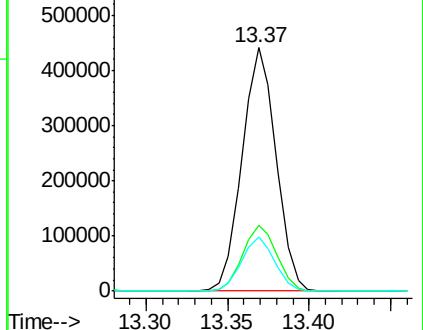
91 21.6 10.8 32.4

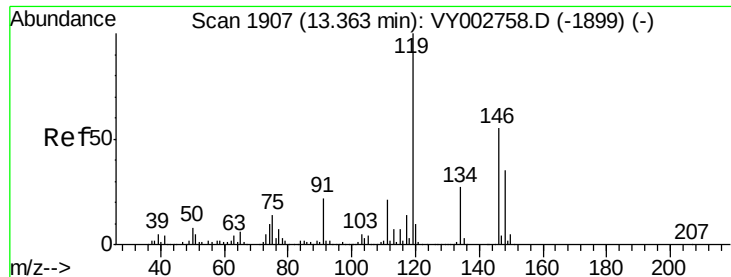


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0





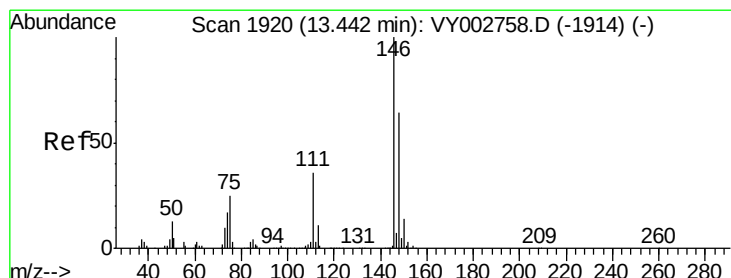
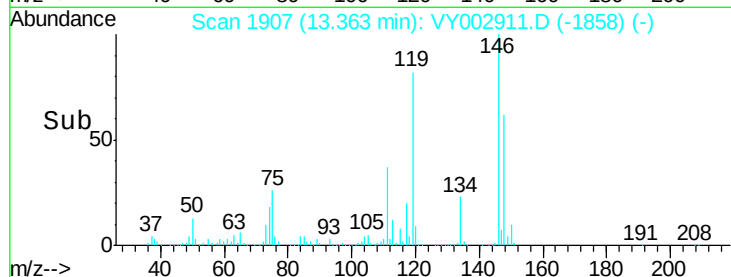
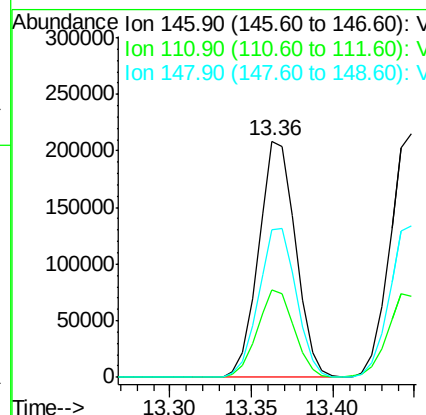
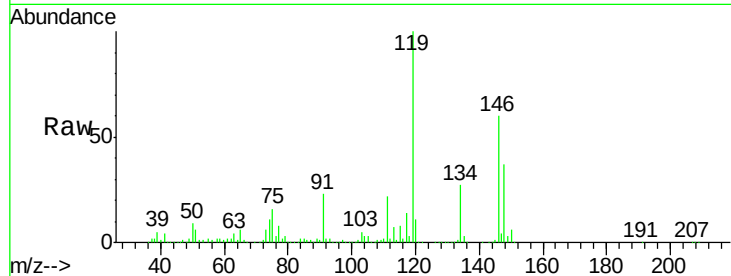
#87
 1,3-Dichlorobenzene
 Concen: 49.757 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. -0.00 min
 Lab File: VY002911.D
 Acq: 16 Jun 2020 16:06

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	327301		
111	36.9	18.4	55.0	
148	64.1	31.9	95.7	

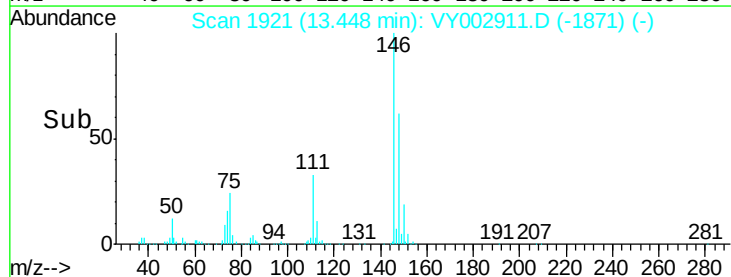
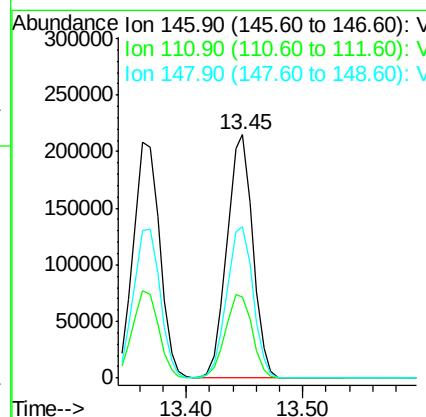
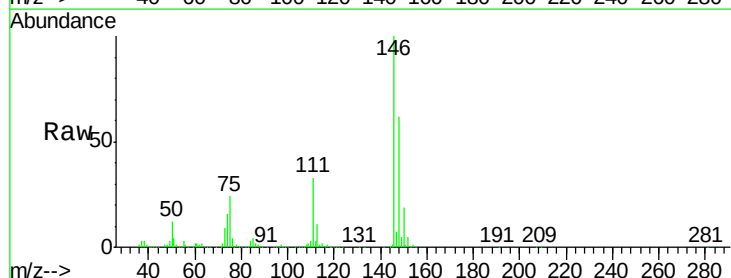
Manual Integrations
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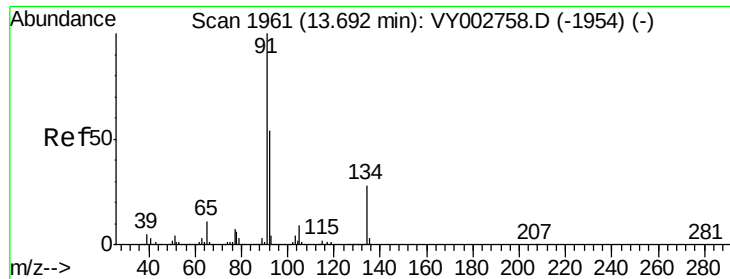
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 6/18/2020 11:14:30 AM



#88
 1,4-Dichlorobenzene
 Concen: 50.128 ug/l
 RT: 13.45 min Scan# 1921
 Delta R.T. 0.01 min
 Lab File: VY002911.D
 Acq: 16 Jun 2020 16:06

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	329853		
111	35.7	18.1	54.3	
148	63.6	32.1	96.3	





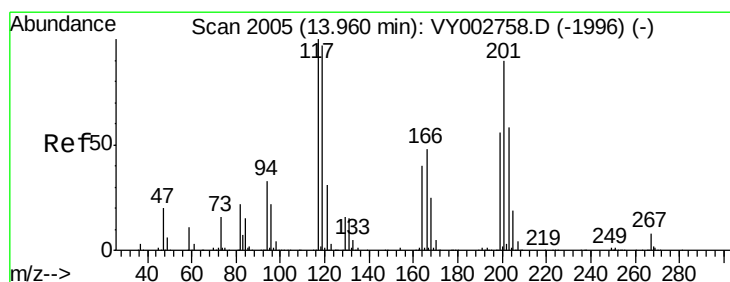
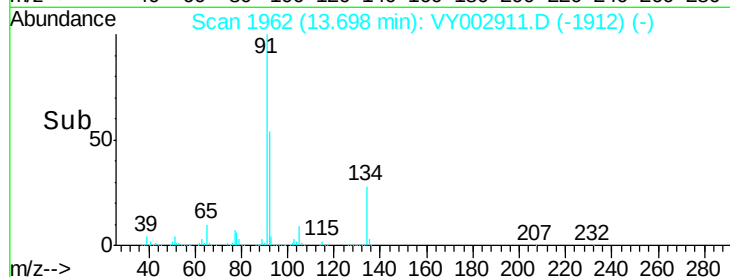
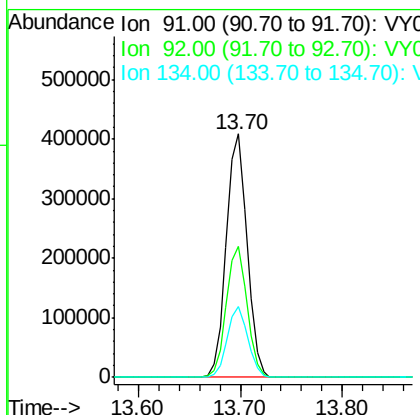
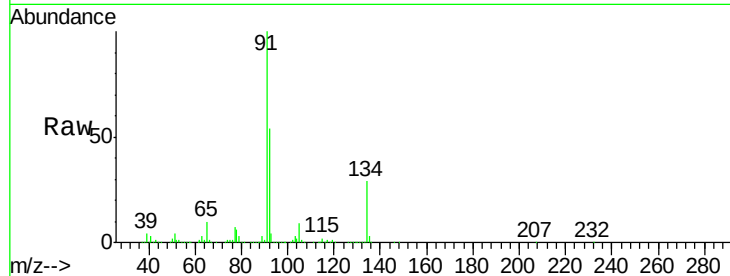
#89
n-Butylbenzene
Concen: 50.018 ug/l
RT: 13.70 min Scan# 1962
Delta R.T. 0.01 min
Lab File: VY002911.D
Acq: 16 Jun 2020 16:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.9	27.1	81.2
134	28.8	14.3	42.9

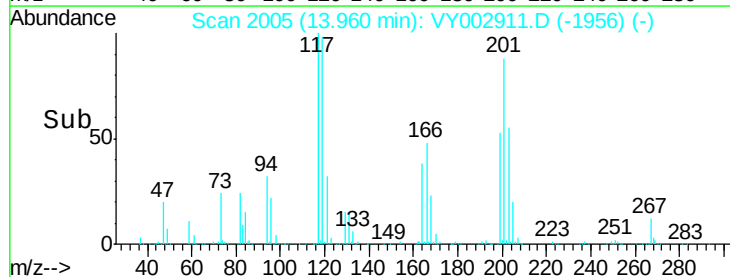
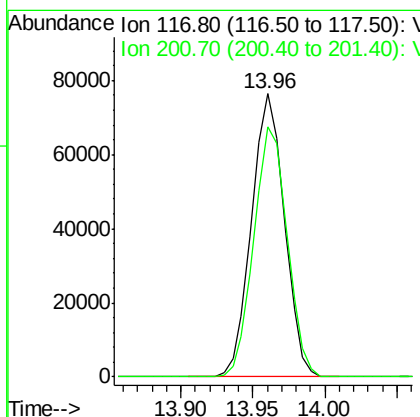
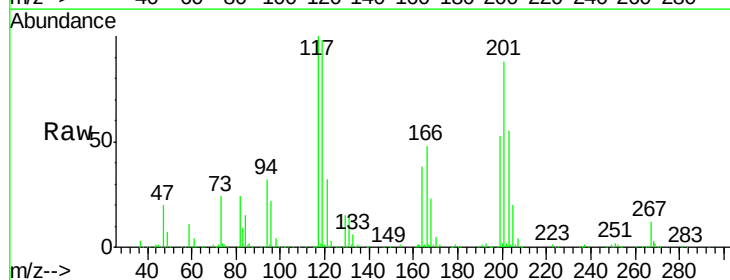
Manual Integrations
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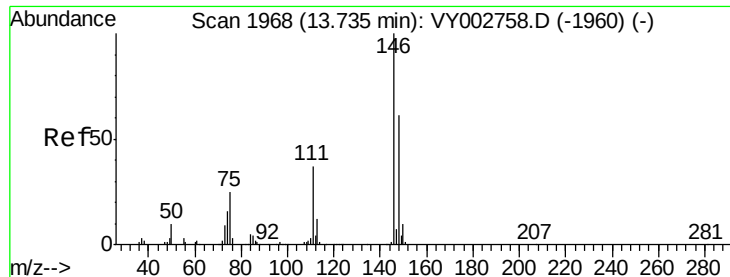
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#90
Hexachloroethane
Concen: 50.843 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. -0.00 min
Lab File: VY002911.D
Acq: 16 Jun 2020 16:06

Tgt Ion	Ratio	Lower	Upper
117	100		
201	89.9	43.9	131.6





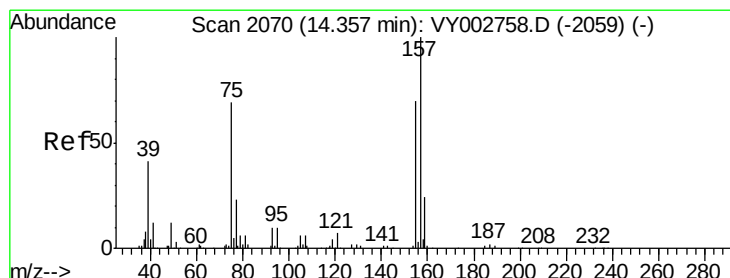
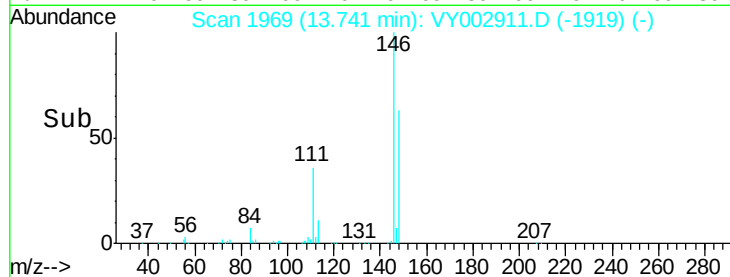
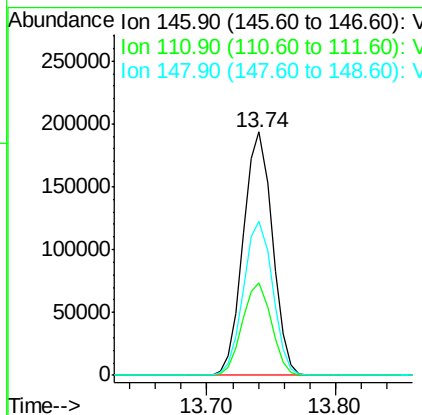
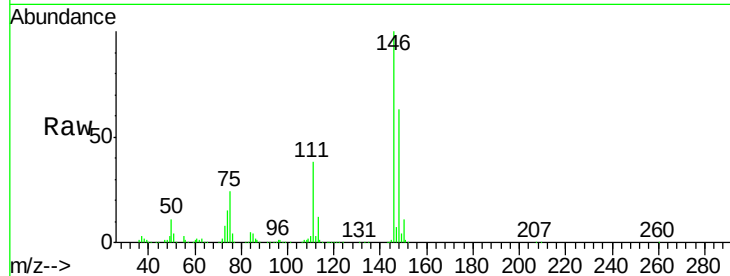
#91
 1,2-Dichlorobenzene
 Concen: 50.793 ug/l
 RT: 13.74 min Scan# 1969
 Delta R.T. 0.01 min
 Lab File: VY002911.D
 Acq: 16 Jun 2020 16:06

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	303006		
111	37.8		18.9	56.9
148	63.4		31.9	95.5

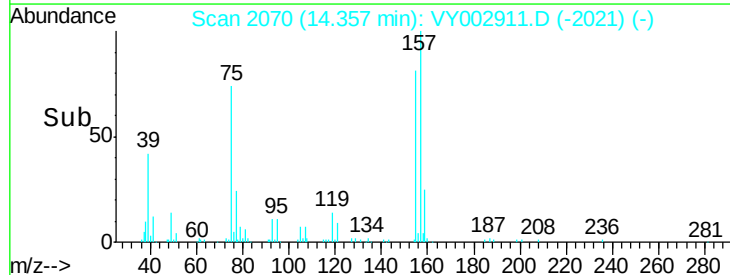
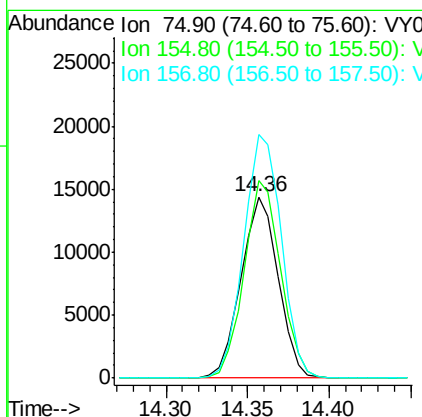
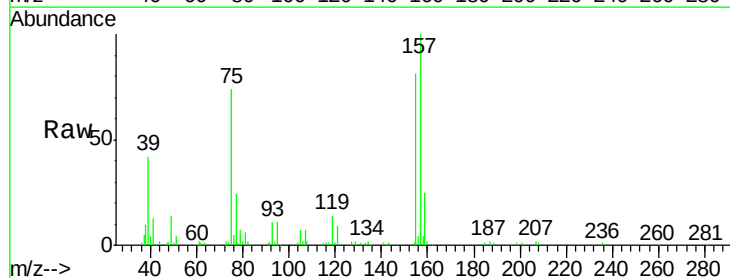
Manual Integrations
 APPROVED

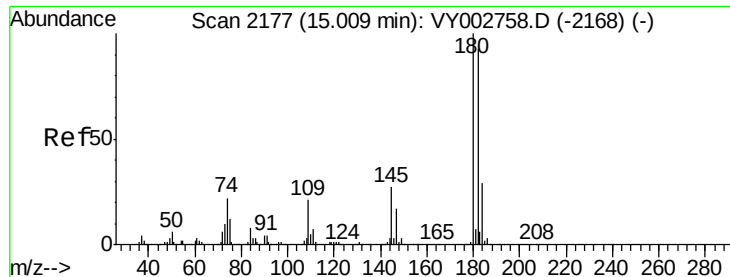
MMDadoda
 6/18/2020 11:14:30 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.838 ug/l
 RT: 14.36 min Scan# 2070
 Delta R.T. -0.00 min
 Lab File: VY002911.D
 Acq: 16 Jun 2020 16:06

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	22887		
155	107.0		53.5	160.5
157	136.2		69.9	209.7





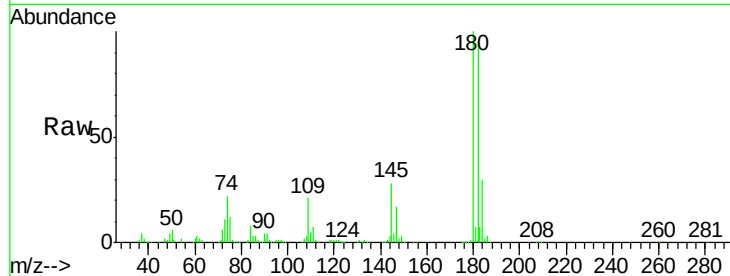
#93
 1,2,4-Trichlorobenzene
 Concen: 48.461 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. -0.00 min
 Lab File: VY002911.D
 Acq: 16 Jun 2020 16:06

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

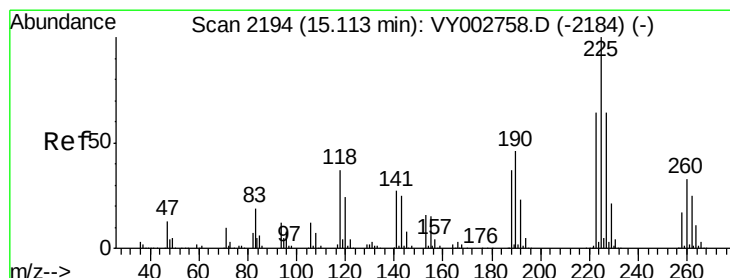
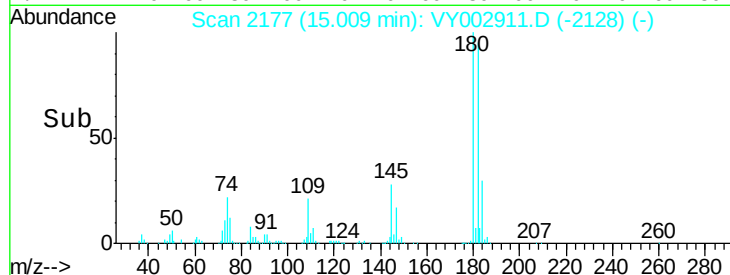
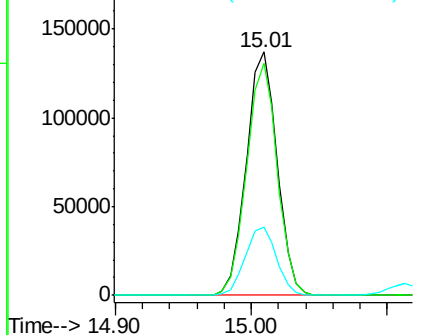
Tot Ion	Ratio	Resp	Lower	Upper
180	100	217907		
182	94.7	47.3	141.9	
145	28.4	14.1	42.3	

Manual Integrations
 APPROVED

MMDadoda
 6/18/2020 11:14:30 AM

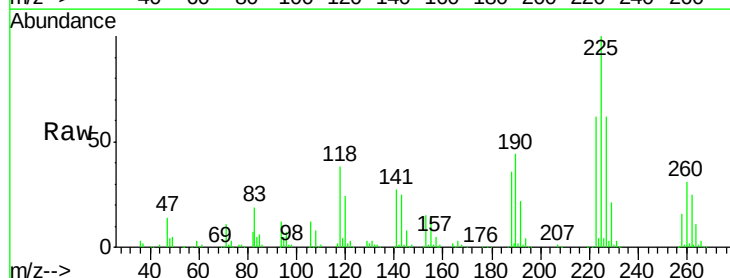


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

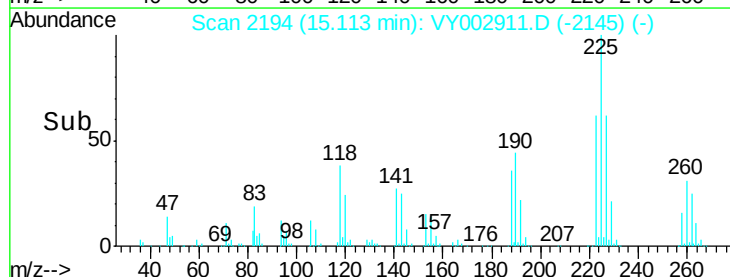
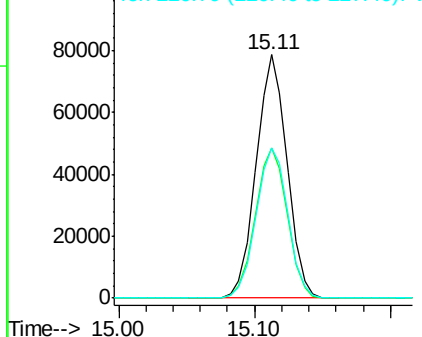


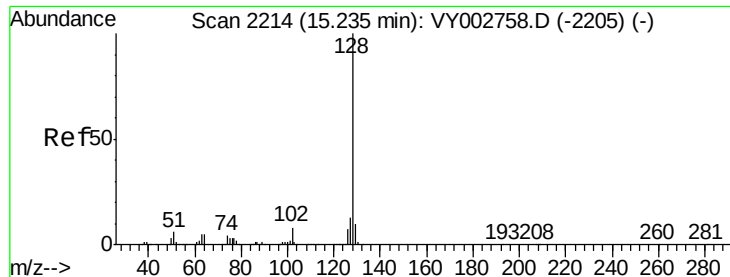
#94
 Hexachlorobutadiene
 Concen: 49.138 ug/l
 RT: 15.11 min Scan# 2194
 Delta R.T. -0.00 min
 Lab File: VY002911.D
 Acq: 16 Jun 2020 16:06

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	125318		
223	63.2	31.6	95.0	
227	63.5	32.3	96.9	



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





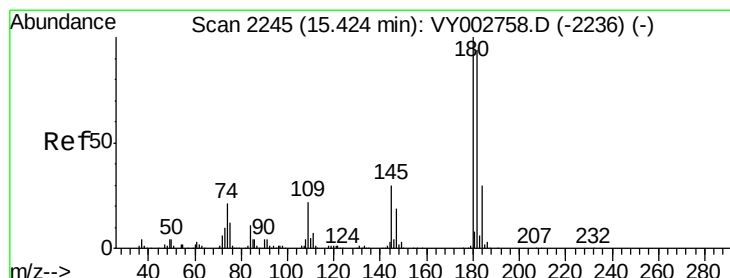
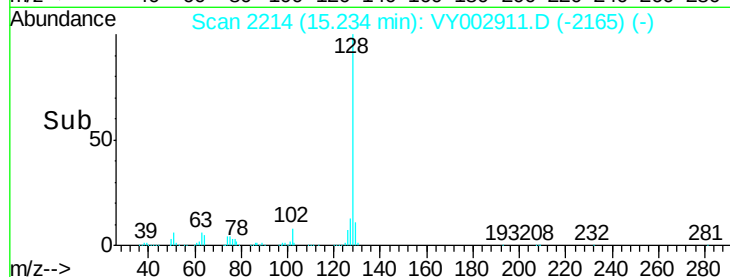
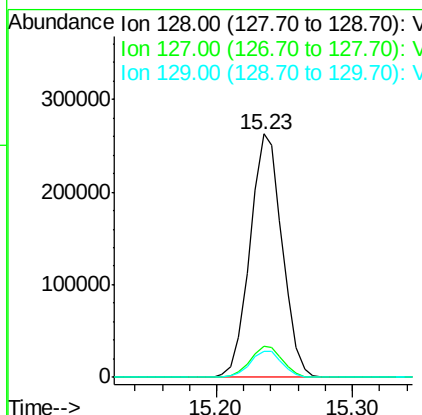
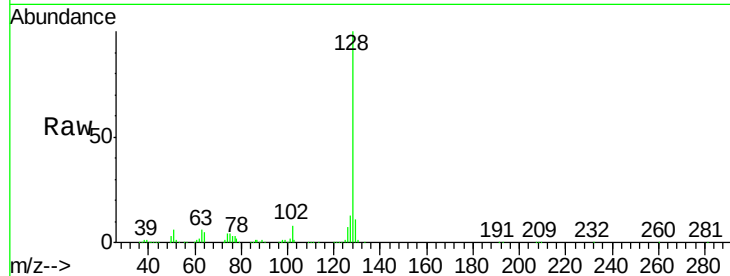
#95
Naphthalene
Concen: 48.162 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VY002911.D
Acq: 16 Jun 2020 16:06

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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

Manual Integrations
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MMDadoda
6/18/2020 11:14:30 AM



#96
1,2,3-Trichlorobenzene
Concen: 48.167 ug/l
RT: 15.42 min Scan# 2245
Delta R.T. -0.00 min
Lab File: VY002911.D
Acq: 16 Jun 2020 16:06

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.1	48.1	144.4
145	30.0	15.1	45.3

