

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY060220\
 Data File : VY002819.D
 Acq On : 02 Jun 2020 17:20
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/3/2020 11:31:40 AM

Quant Time: Jun 03 06:45:22 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	351315	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	524494	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	481103	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	248241	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.14	65	153223	50.23	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.46%	
35) Dibromofluoromethane	7.72	113	162859	52.98	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.96%	
50) Toluene-d8	10.18	98	617184	49.66	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.32%	
62) 4-Bromofluorobenzene	12.48	95	215284	50.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.38%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.90	85	110398	45.669	ug/l	96
3) Chloromethane	2.12	50	126855	47.443	ug/l	97
4) Vinyl Chloride	2.26	62	142701	50.493	ug/l	100
5) Bromomethane	2.65	94	104795	49.481	ug/l	97
6) Chloroethane	2.80	64	93990	51.303	ug/l	98
7) Trichlorofluoromethane	3.13	101	253409	50.628	ug/l	100
8) Diethyl Ether	3.54	74	95496	48.861	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.90	101	159463	53.658	ug/l	98
10) Methyl Iodide	4.10	142	224497	53.986	ug/l	98
11) Tert butyl alcohol	4.97	59	87784	268.709	ug/l	100
12) 1,1-Dichloroethene	3.88	96	158160	52.919	ug/l	99
13) Acrolein	3.74	56	100864	282.160	ug/l	98
14) Allyl chloride	4.49	41	240609	56.132	ug/l	97
15) Acrylonitrile	5.18	53	243284	275.922	ug/l	99
16) Acetone	3.96	43	187056	261.515	ug/l	99
17) Carbon Disulfide	4.20	76	449161	49.733	ug/l	99
18) Methyl Acetate	4.49	43	103622	57.887	ug/l	99
19) Methyl tert-butyl Ether	5.23	73	445043	53.939	ug/l	99
20) Methylene Chloride	4.72	84	179855	51.453	ug/l	98
21) trans-1,2-Dichloroethene	5.22	96	173490	51.617	ug/l	98
22) Diisopropyl ether	6.13	45	499386	56.064	ug/l	95
23) Vinyl Acetate	6.07	43	1690881	287.518	ug/l	99
24) 1,1-Dichloroethane	6.03	63	286299	54.945	ug/l	99
25) 2-Butanone	7.00	43	308350	276.695	ug/l	99
26) 2,2-Dichloropropane	6.99	77	250759	50.178	ug/l	99
27) cis-1,2-Dichloroethene	6.99	96	198509	52.758	ug/l	100
28) Bromochloromethane	7.34	49	110967	51.876	ug/l	95
29) Tetrahydrofuran	7.35	42	204169	281.660	ug/l	98
30) Chloroform	7.52	83	295744	53.487	ug/l	98
31) Cyclohexane	7.79	56	259791	50.216	ug/l	96
32) 1,1,1-Trichloroethane	7.71	97	263211	51.084	ug/l	99
36) 1,1-Dichloropropene	7.93	75	228112	51.630	ug/l	100
37) Ethyl Acetate	7.08	43	132505	55.122	ug/l	99
38) Carbon Tetrachloride	7.91	117	243673	49.646	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	297629	51.107	ug/l	99
40) Benzene	8.16	78	680739	52.144	ug/l	98
41) Methacrylonitrile	7.33	41	70149m	54.320	ug/l	
42) 1,2-Dichloroethane	8.24	62	185383	50.669	ug/l	100
43) Isopropyl Acetate	8.28	43	254031	55.766	ug/l	99
44) Trichloroethene	8.94	130	210344	51.009	ug/l	99
45) 1,2-Dichloropropane	9.22	63	171691	54.841	ug/l	98
46) Dibromomethane	9.31	93	99490	53.510	ug/l	97
47) Bromodichloromethane	9.50	83	234793	53.567	ug/l	98
48) Methyl methacrylate	9.30	41	115518	56.175	ug/l	97
49) 1,4-Dioxane	9.30	88	29807	1044.075	ug/l	99
51) 4-Methyl-2-Pentanone	10.07	43	668719	277.230	ug/l	99
52) Toluene	10.24	92	437023	51.172	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	252853	52.815	ug/l	99
54) cis-1,3-Dichloropropene	9.93	75	288907	53.256	ug/l	99
55) 1,1,2-Trichloroethane	10.64	97	150147	52.748	ug/l	99
56) Ethyl methacrylate	10.51	69	209130	54.852	ug/l	99
57) 1,3-Dichloropropane	10.79	76	248660	53.111	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	477618	256.376	ug/l	99
59) 2-Hexanone	10.83	43	471962	275.763	ug/l	99
60) Dibromochloromethane	10.99	129	188038	52.105	ug/l	99
61) 1,2-Dibromoethane	11.09	107	146277	52.094	ug/l	99
64) Tetrachloroethene	10.72	164	210870	48.226	ug/l	98
65) Chlorobenzene	11.52	112	495026	52.059	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	185244	51.725	ug/l	98
67) Ethyl Benzene	11.59	91	849655	51.541	ug/l	100
68) m/p-Xylenes	11.70	106	656141	102.658	ug/l	99
69) o-Xylene	12.03	106	311347	51.600	ug/l	99
70) Styrene	12.04	104	542848	51.898	ug/l	100
71) Bromoform	12.20	173	126242	52.681	ug/l #	100
73) Isopropylbenzene	12.33	105	842998	52.991	ug/l	100
74) N-amyl acetate	12.14	43	231835	56.797	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	162208	58.114	ug/l	98
76) 1,2,3-Trichloropropane	12.63	75	121725m	54.419	ug/l	
77) Bromobenzene	12.61	156	216956	52.376	ug/l	99
78) n-propylbenzene	12.67	91	986757	53.698	ug/l	99
79) 2-Chlorotoluene	12.75	91	547496	53.114	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	700186	52.714	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	65434	55.113	ug/l	99
82) 4-Chlorotoluene	12.85	91	564856	52.302	ug/l	99
83) tert-Butylbenzene	13.08	119	627510	52.962	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	701812	52.547	ug/l	100
85) sec-Butylbenzene	13.25	105	853476	52.683	ug/l	100
86) p-Isopropyltoluene	13.37	119	792733	52.588	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	406607	51.821	ug/l	100
88) 1,4-Dichlorobenzene	13.44	146	406471	51.786	ug/l	99
89) n-Butylbenzene	13.69	91	719646	52.583	ug/l	100
90) Hexachloroethane	13.96	117	150219	53.230	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	371396	52.193	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	28858	53.739	ug/l	98

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93) 1,2,4-Trichlorobenzene	15.01	180	268083	49.982	ug/l	99
94) Hexachlorobutadiene	15.11	225	153861	50.577	ug/l	99
95) Naphthalene	15.23	128	551746	51.306	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	238151	49.722	ug/l	99

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

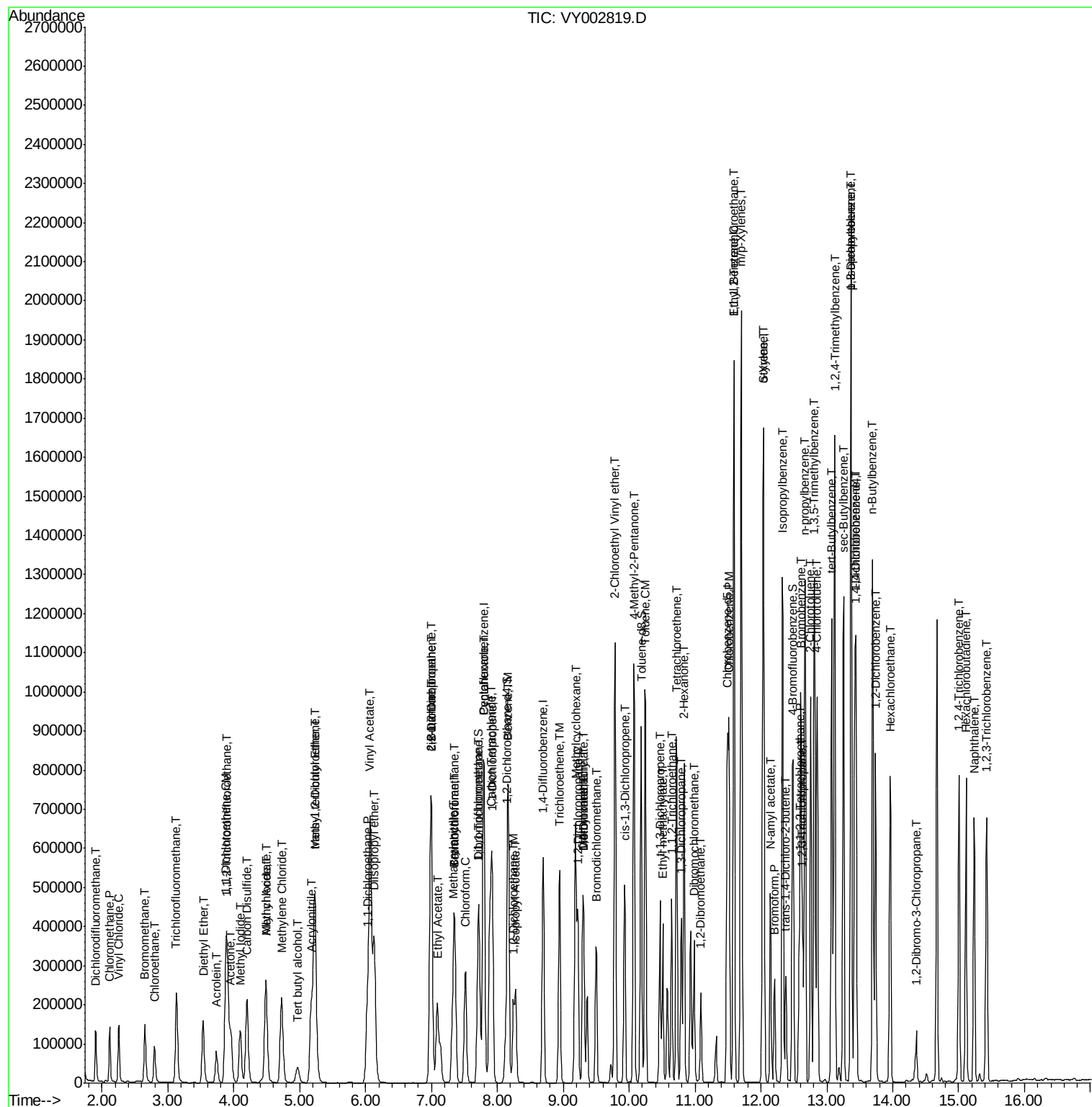
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY060220\
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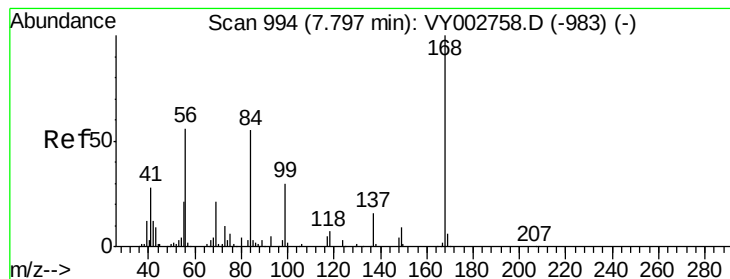
Instrument :
MSVOA_Y
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.00 min

Lab File: VY002819.D

Acq: 02 Jun 2020 17:20

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 351315

Ion Ratio Lower Upper

168 100

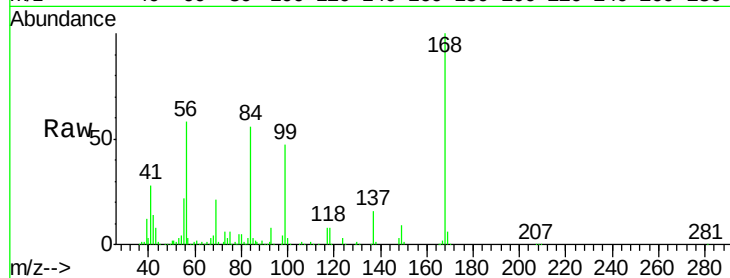
99 47.5 39.0 58.4

Manual Integrations

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6/3/2020 11:31:40 AM



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

150000

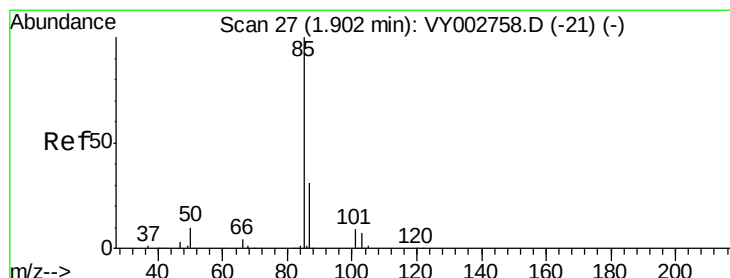
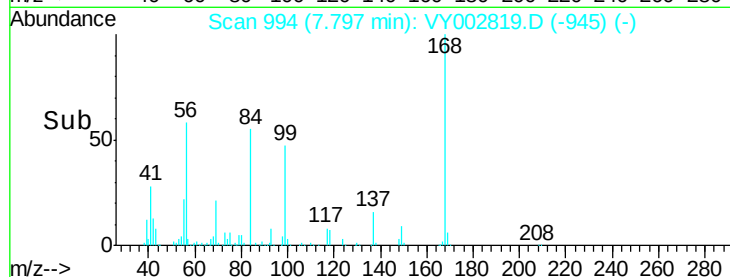
100000

50000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 45.669 ug/l

RT: 1.90 min Scan# 27

Delta R.T. 0.00 min

Lab File: VY002819.D

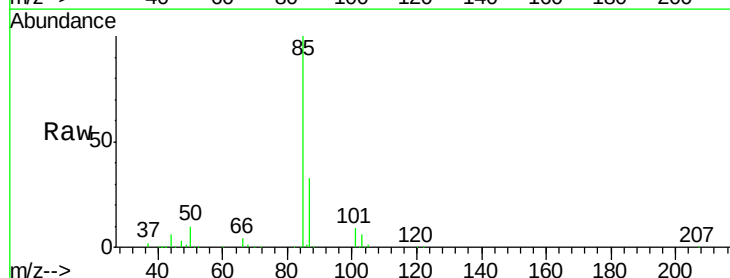
Acq: 02 Jun 2020 17:20

Tgt Ion: 85 Resp: 110398

Ion Ratio Lower Upper

85 100

87 33.1 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) (-)

1.90

80000

60000

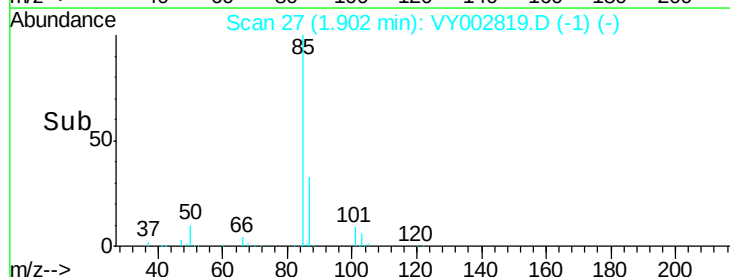
40000

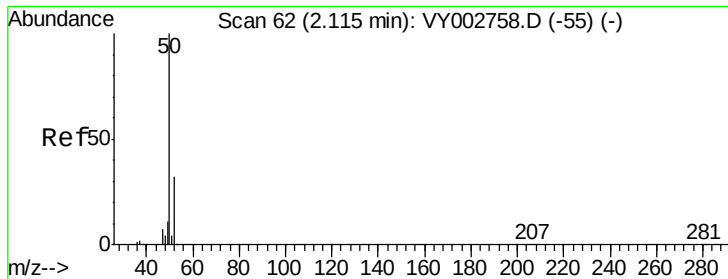
20000

0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 47.443 ug/l

RT: 2.12 min Scan# 62

Delta R.T. 0.00 min

Lab File: VY002819.D

Acq: 02 Jun 2020 17:20

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 126855

Ion Ratio Lower Upper

50 100

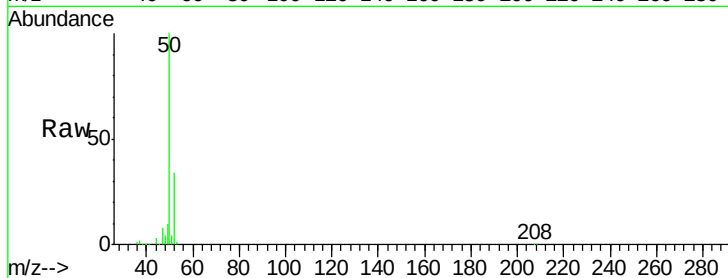
52 33.7 25.8 38.6

Manual Integrations

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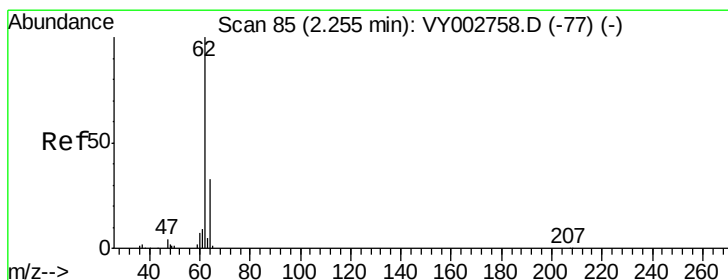
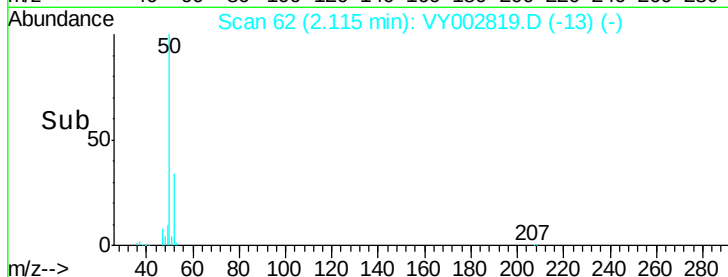
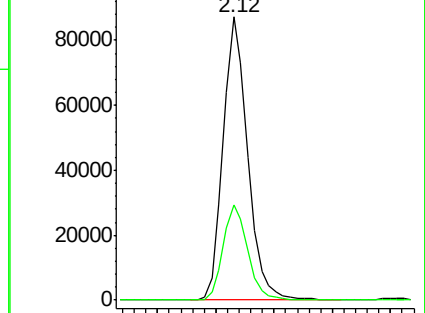
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Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 50.493 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.00 min

Lab File: VY002819.D

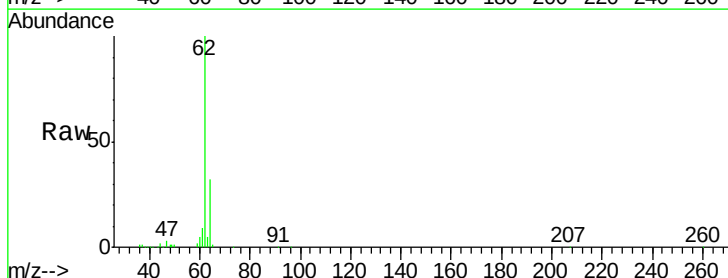
Acq: 02 Jun 2020 17:20

Tgt Ion: 62 Resp: 142701

Ion Ratio Lower Upper

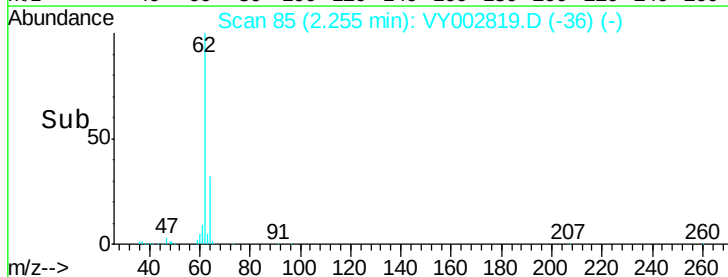
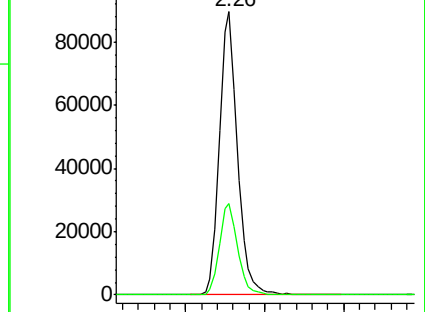
62 100

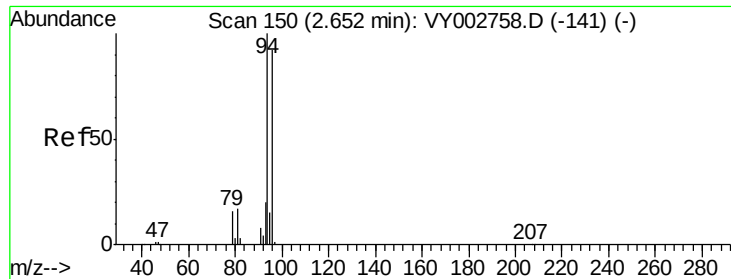
64 32.4 26.1 39.1



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 49.481 ug/l

RT: 2.65 min Scan# 150

Delta R.T. 0.00 min

Lab File: VY002819.D

Acq: 02 Jun 2020 17:20

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 104795

Ion Ratio Lower Upper

94 100

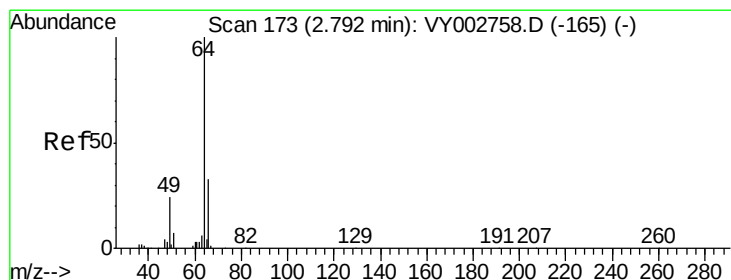
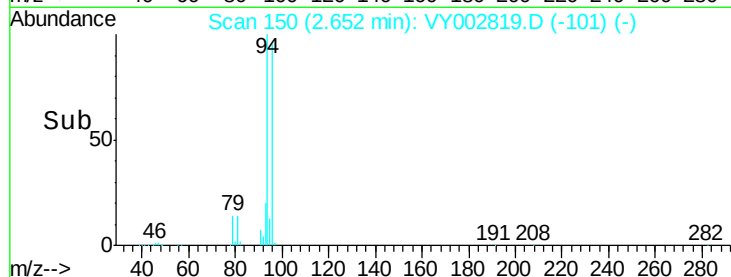
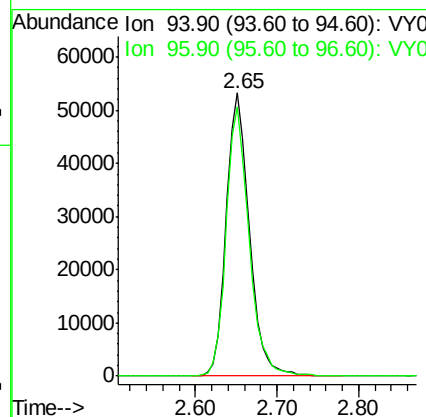
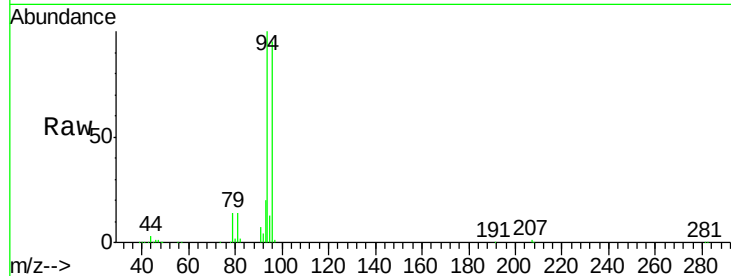
96 95.2 73.7 110.5

Manual Integrations

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#6

Chloroethane

Concen: 51.303 ug/l

RT: 2.80 min Scan# 174

Delta R.T. 0.01 min

Lab File: VY002819.D

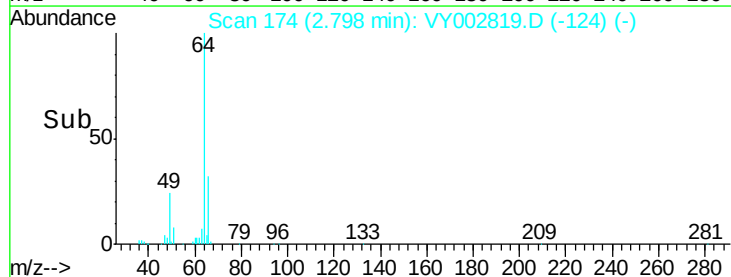
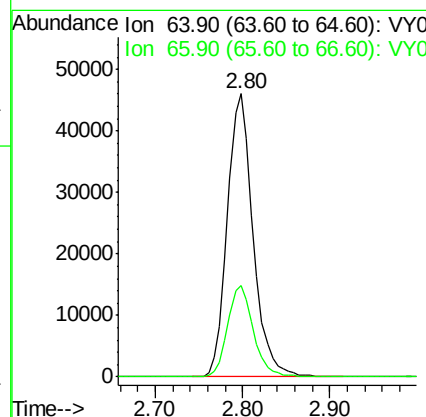
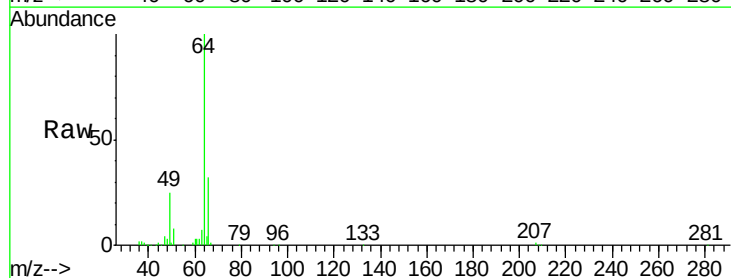
Acq: 02 Jun 2020 17:20

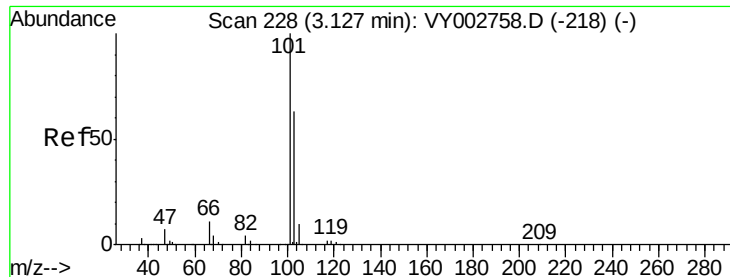
Tgt Ion: 64 Resp: 93990

Ion Ratio Lower Upper

64 100

66 32.1 26.4 39.6





#7

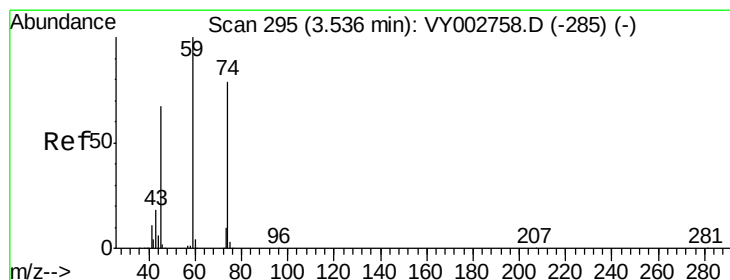
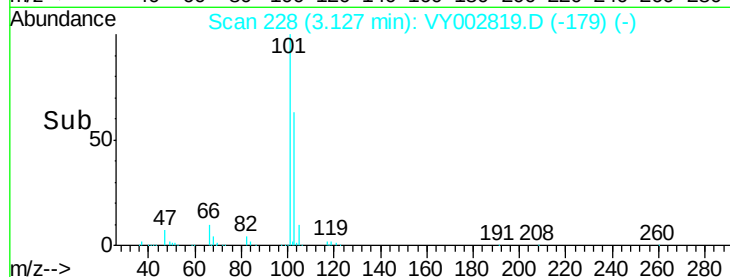
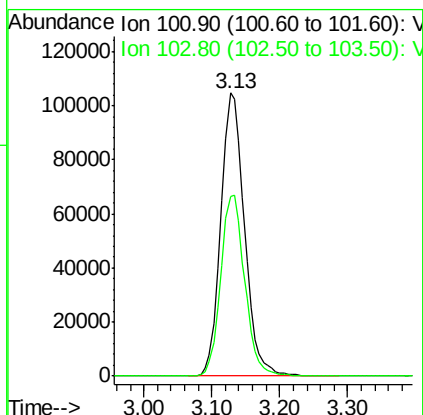
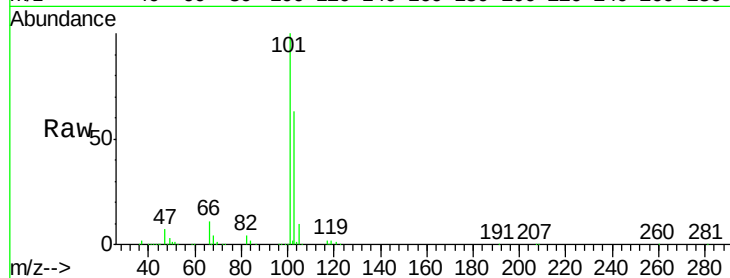
Trichlorofluoromethane
 Concen: 50.628 ug/l
 RT: 3.13 min Scan# 228
 Delta R.T. 0.00 min
 Lab File: VY002819.D
 Acq: 02 Jun 2020 17:20

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

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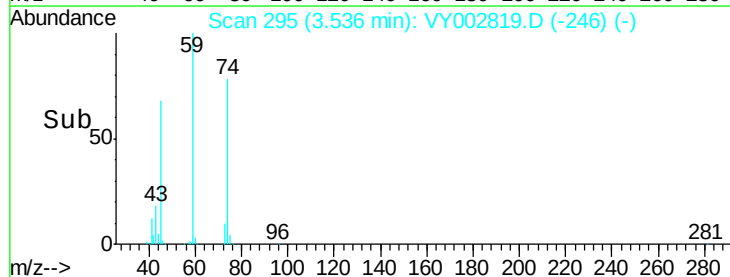
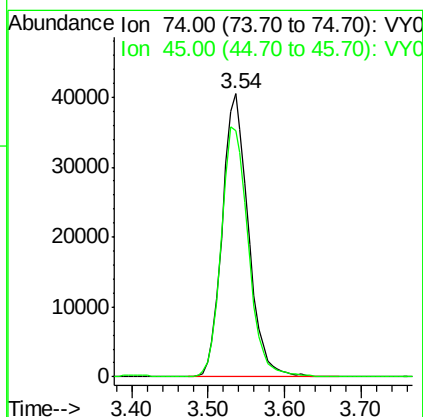
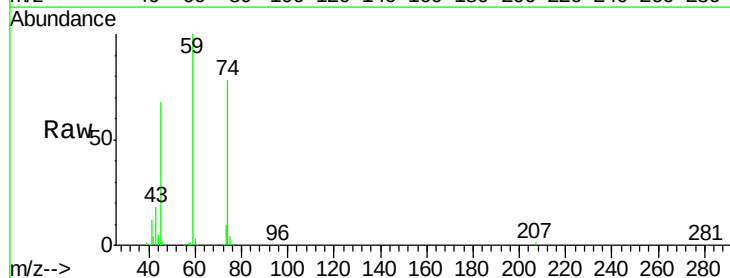
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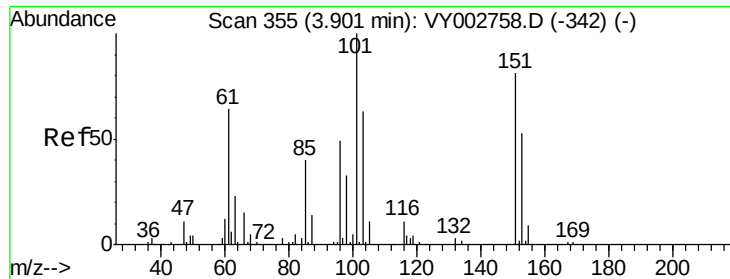


#8

Diethyl Ether
 Concen: 48.861 ug/l
 RT: 3.54 min Scan# 295
 Delta R.T. 0.00 min
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	91.7	44.0	131.8





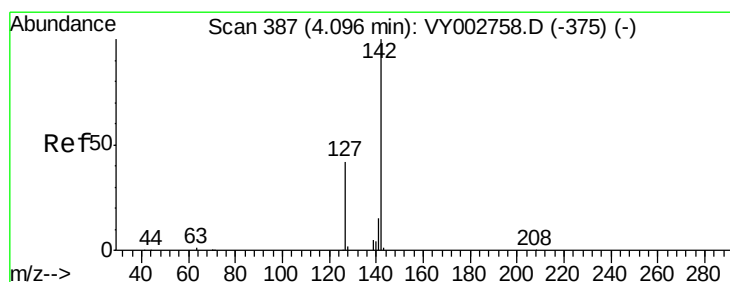
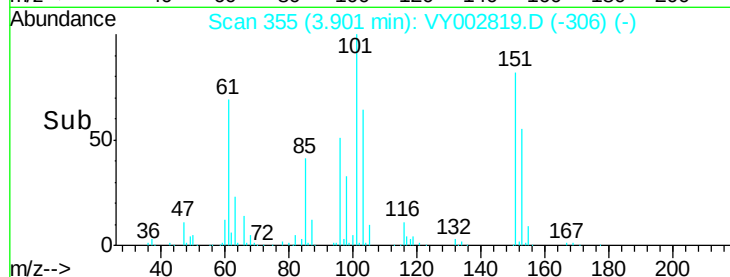
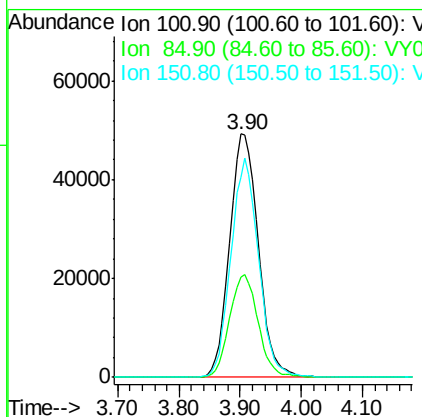
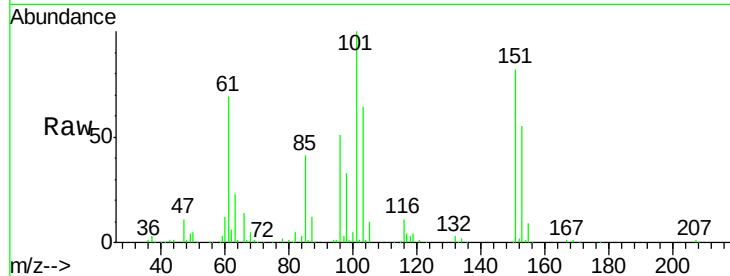
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 53.658 ug/l
 RT: 3.90 min Scan# 355
 Delta R.T. 0.00 min
 Lab File: VY002819.D
 Acq: 02 Jun 2020 17:20

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
101	100	159463		
85	41.9	32.7	49.1	
151	86.4	68.0	102.0	

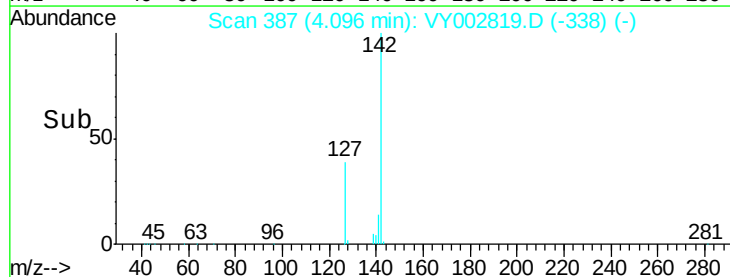
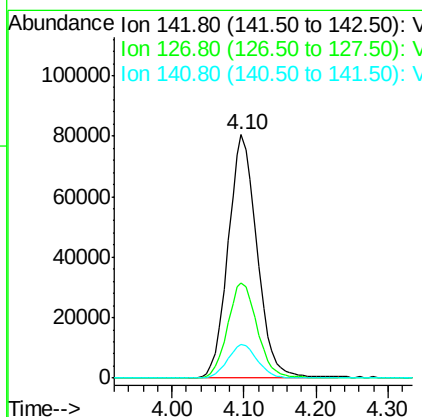
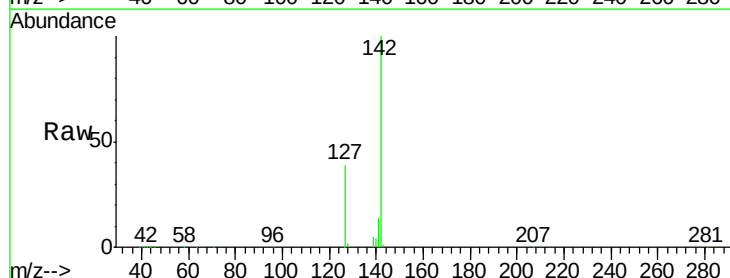
Manual Integrations
 APPROVED

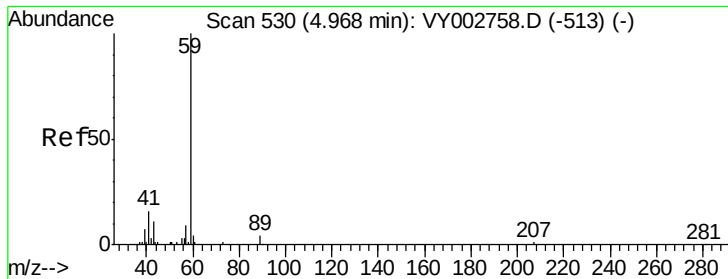
MMDadoda
 6/3/2020 11:31:40 AM



#10
 Methyl Iodide
 Concen: 53.986 ug/l
 RT: 4.10 min Scan# 387
 Delta R.T. 0.00 min
 Lab File: VY002819.D
 Acq: 02 Jun 2020 17:20

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	224497		
127	40.2	33.3	49.9	
141	14.2	11.5	17.3	





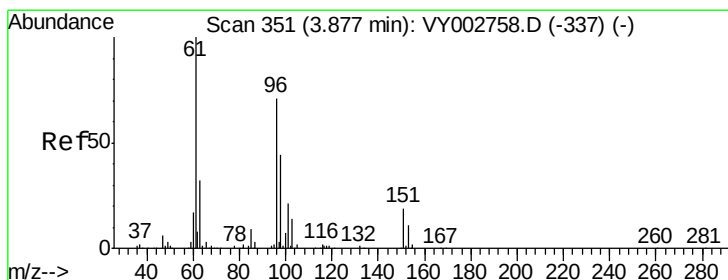
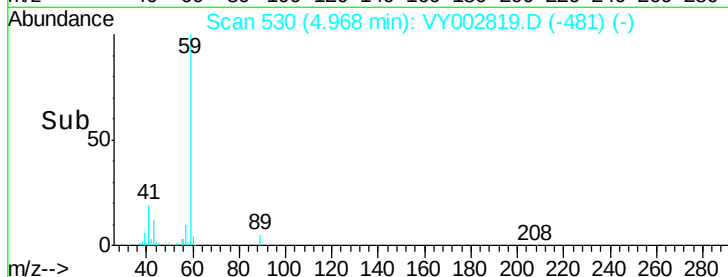
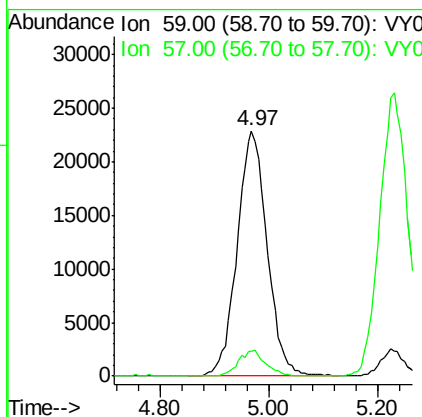
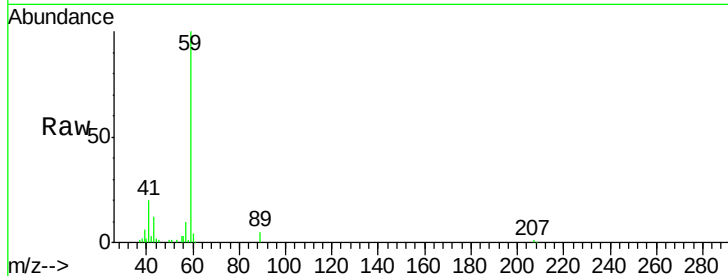
#11
Tert butyl alcohol
Concen: 268.709 ug/l
RT: 4.97 min Scan# 530
Delta R.T. 0.00 min
Lab File: VY002819.D
Acq: 02 Jun 2020 17:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	59	Resp	87784
Ion Ratio	100	Lower	Upper
57	9.5	7.7	11.5

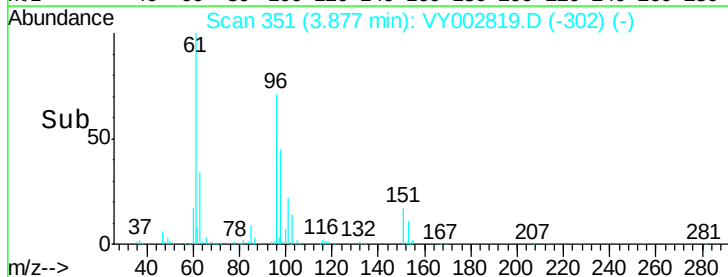
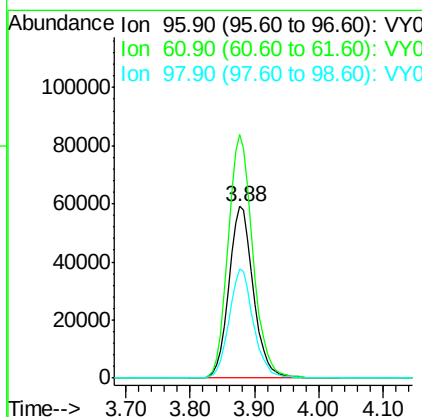
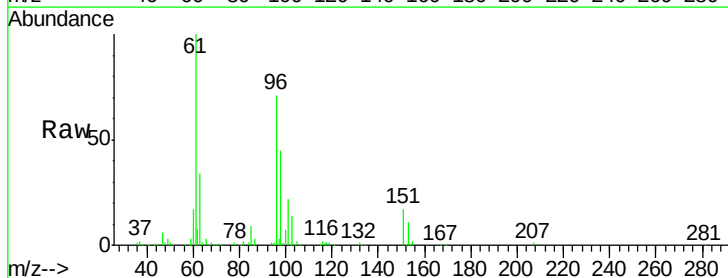
Manual Integrations
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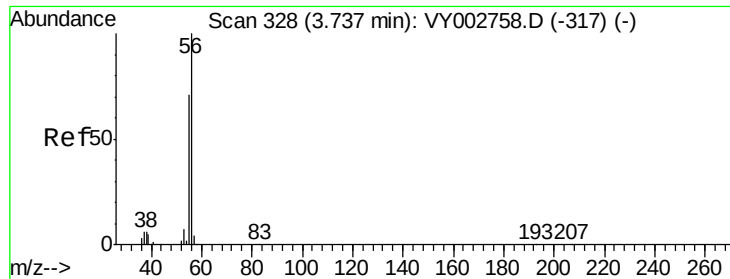
MMDadoda
6/3/2020 11:31:40 AM



#12
1,1-Dichloroethene
Concen: 52.919 ug/l
RT: 3.88 min Scan# 351
Delta R.T. 0.00 min
Lab File: VY002819.D
Acq: 02 Jun 2020 17:20

Tgt Ion	96	Resp	158160
Ion Ratio	100	Lower	Upper
61	141.7	112.6	168.8
98	63.2	50.0	75.0





#13

Acrolein

Concen: 282.160 ug/l

RT: 3.74 min Scan# 328

Delta R.T. 0.00 min

Lab File: VY002819.D

Acq: 02 Jun 2020 17:20

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 100864

Ion Ratio Lower Upper

56 100

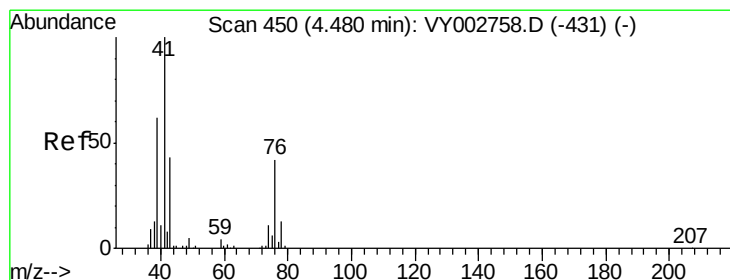
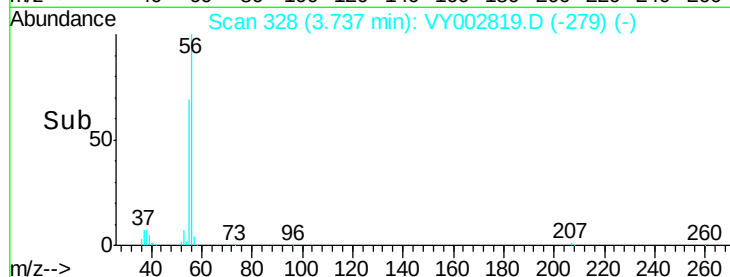
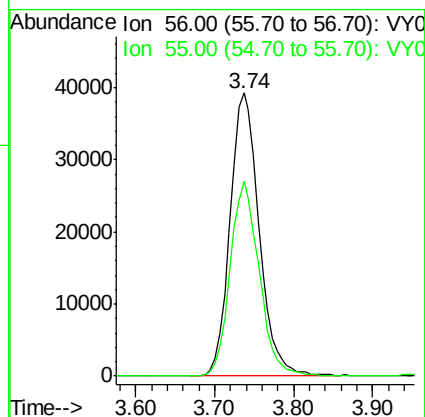
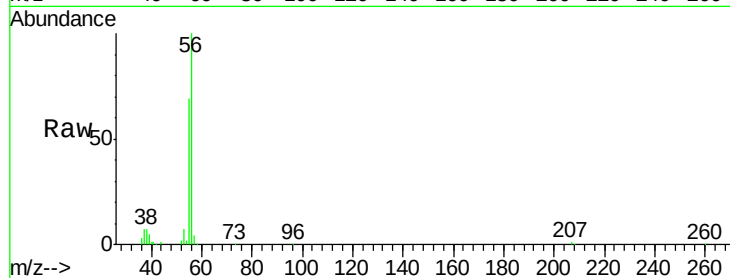
55 68.6 56.0 84.0

Manual Integrations

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#14

Allyl chloride

Concen: 56.132 ug/l

RT: 4.49 min Scan# 451

Delta R.T. 0.01 min

Lab File: VY002819.D

Acq: 02 Jun 2020 17:20

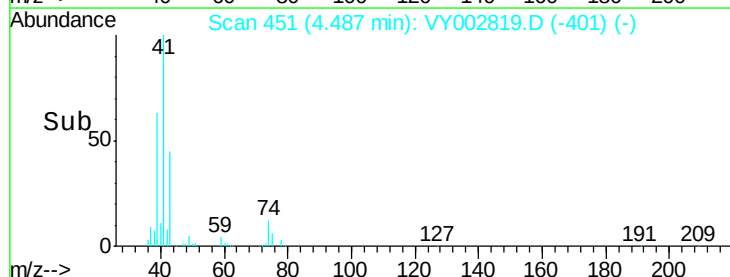
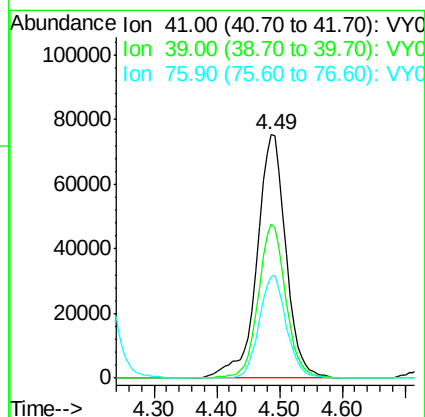
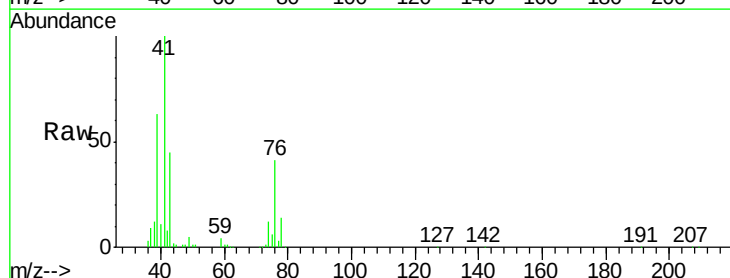
Tgt Ion: 41 Resp: 240609

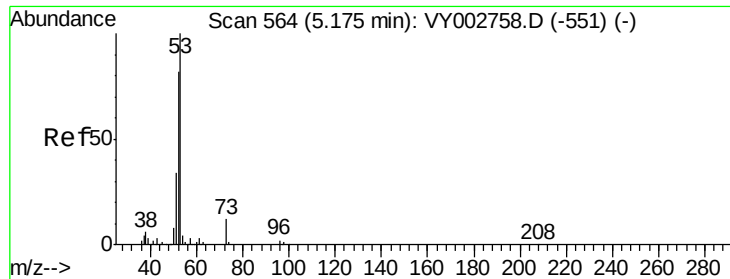
Ion Ratio Lower Upper

41 100

39 60.1 49.9 74.9

76 39.5 33.2 49.8





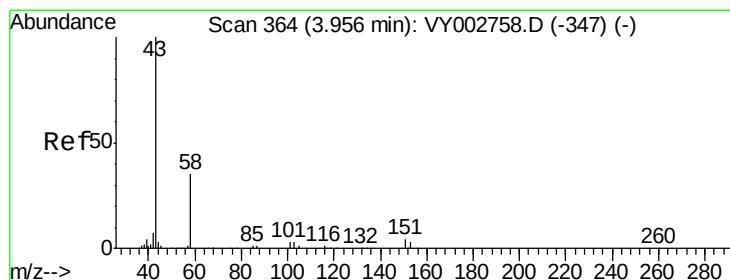
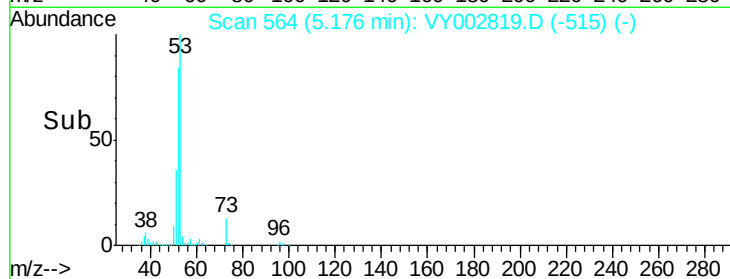
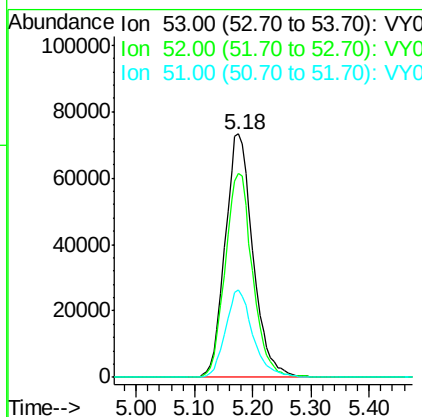
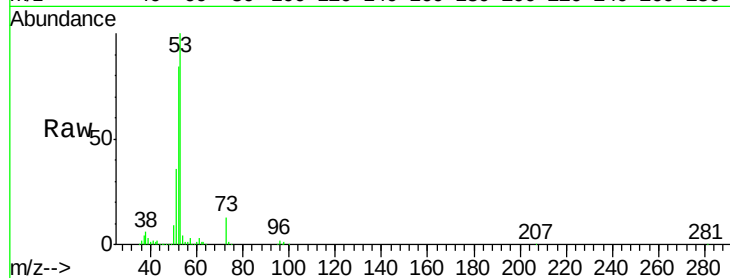
#15
 Acrylonitrile
 Concen: 275.922 ug/l
 RT: 5.18 min Scan# 564
 Delta R.T. 0.00 min
 Lab File: VY002819.D
 Acq: 02 Jun 2020 17:20

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	53	Resp:	243284
Ion	Ratio	Lower	Upper
53	100		
52	82.4	65.3	97.9
51	35.4	28.0	42.0

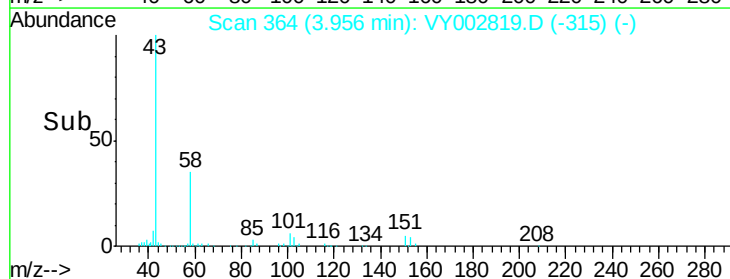
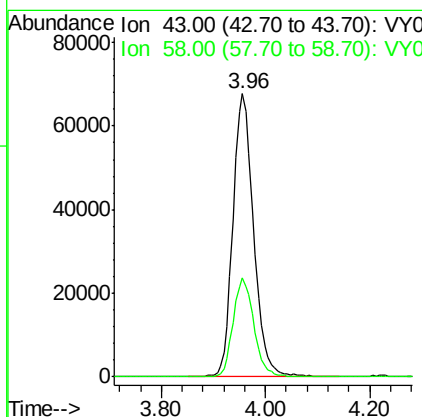
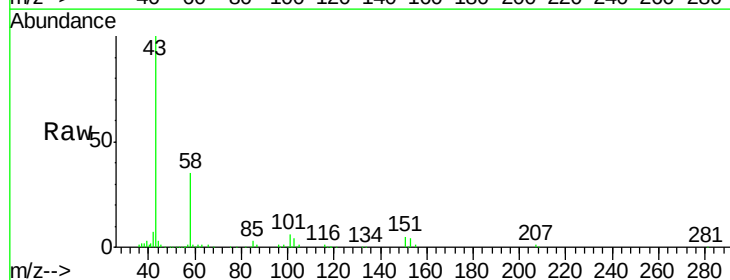
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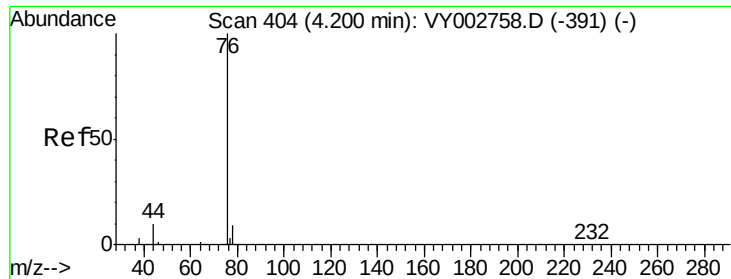
MMDadoda
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#16
 Acetone
 Concen: 261.515 ug/l
 RT: 3.96 min Scan# 364
 Delta R.T. 0.00 min
 Lab File: VY002819.D
 Acq: 02 Jun 2020 17:20

Tgt Ion:	43	Resp:	187056
Ion	Ratio	Lower	Upper
43	100		
58	35.2	27.7	41.5





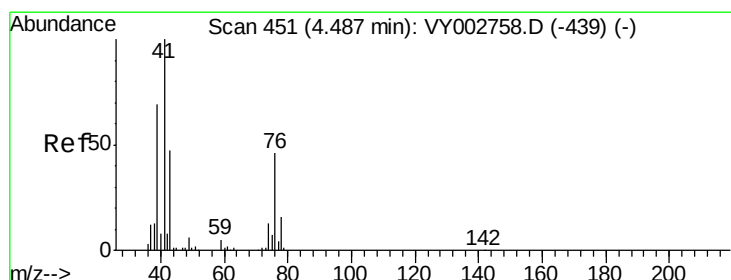
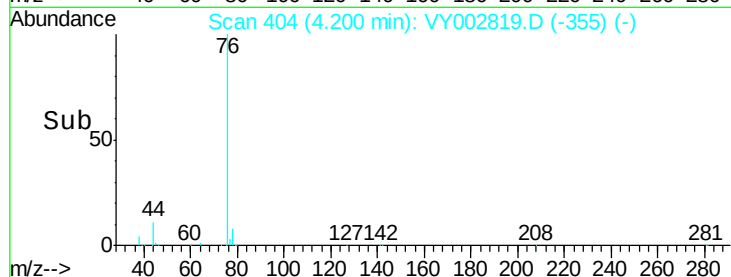
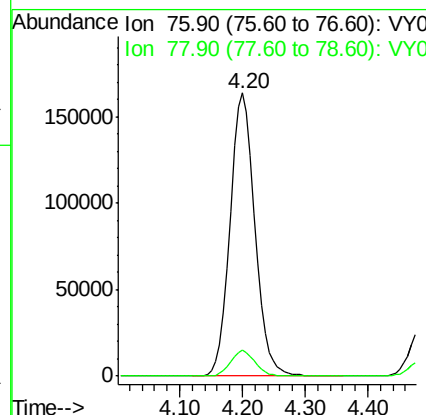
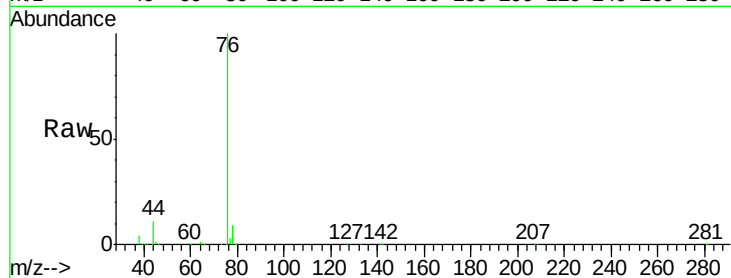
#17
Carbon Disulfide
Concen: 49.733 ug/l
RT: 4.20 min Scan# 404
Delta R.T. 0.00 min
Lab File: VY002819.D
Acq: 02 Jun 2020 17:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	6.9	10.3

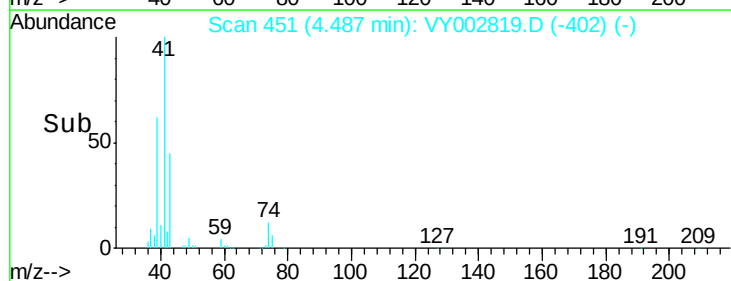
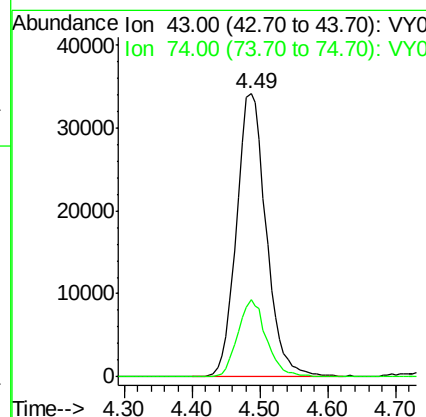
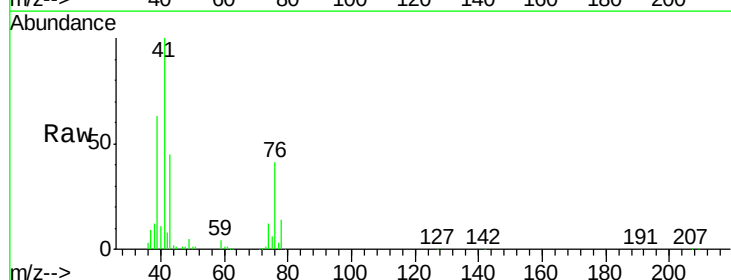
Manual Integrations
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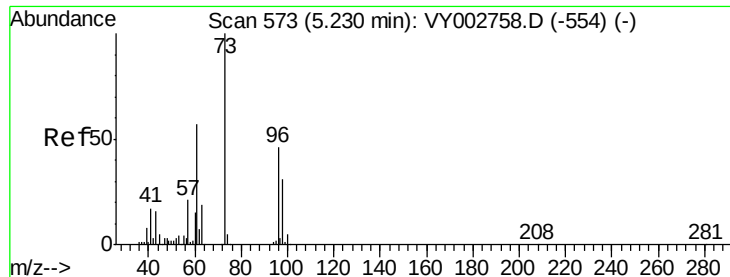
MMDadoda
6/3/2020 11:31:40 AM



#18
Methyl Acetate
Concen: 57.887 ug/l
RT: 4.49 min Scan# 451
Delta R.T. 0.00 min
Lab File: VY002819.D
Acq: 02 Jun 2020 17:20

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.1	21.4	32.0





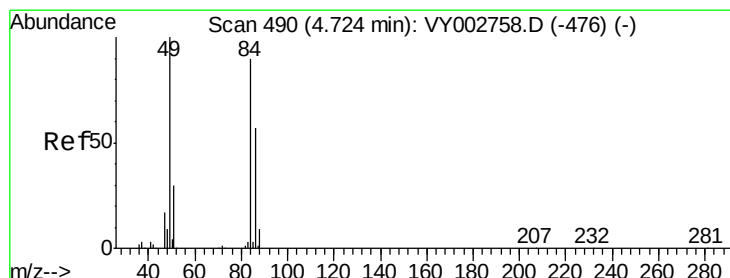
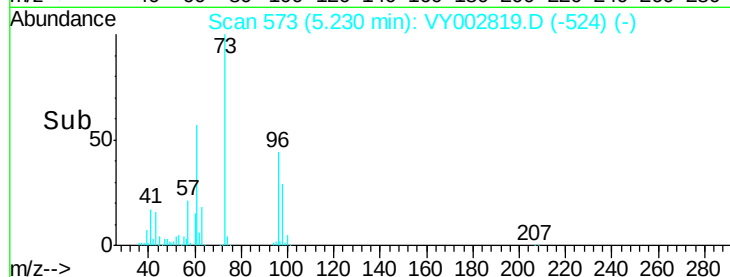
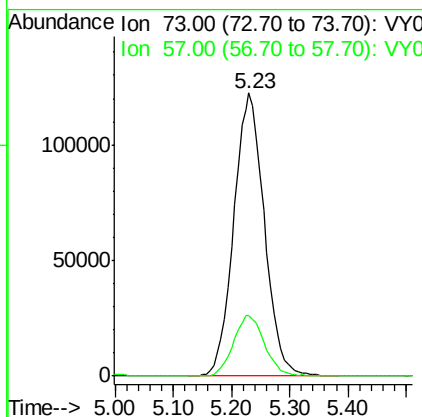
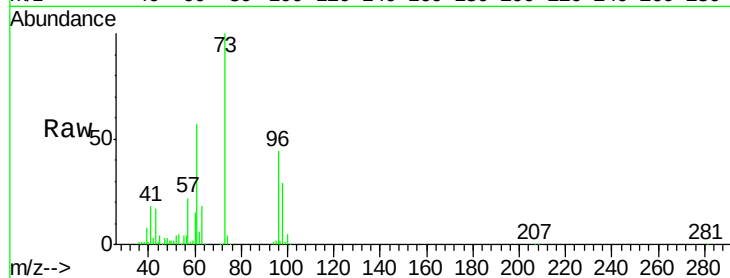
#19
Methyl tert-butyl Ether
Concen: 53.939 ug/l
RT: 5.23 min Scan# 573
Delta R.T. 0.00 min
Lab File: VY002819.D
Acq: 02 Jun 2020 17:20

Instrument :
MSVOA_Y
ClientSampleID :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.6	17.0	25.4

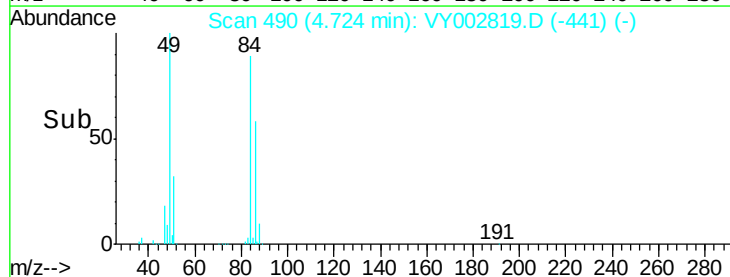
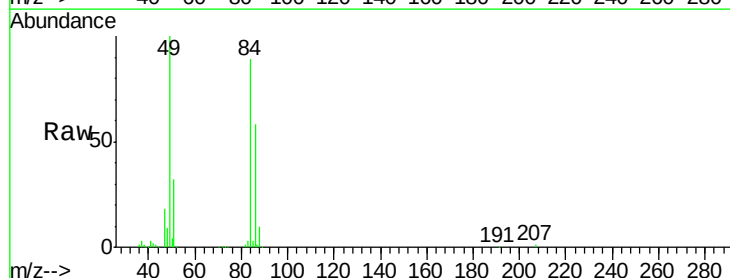
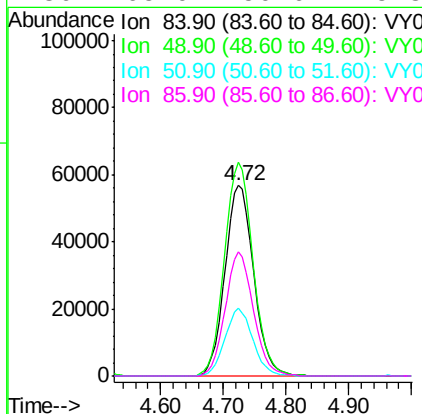
Manual Integrations
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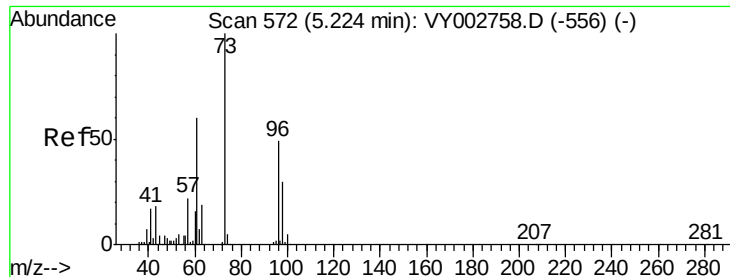
MMDadoda
6/3/2020 11:31:40 AM



#20
Methylene Chloride
Concen: 51.453 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY002819.D
Acq: 02 Jun 2020 17:20

Tgt Ion	Ratio	Lower	Upper
84	100		
49	112.0	88.5	132.7
51	35.5	26.8	40.2
86	65.0	50.6	75.8





#21

trans-1,2-Dichloroethene

Concen: 51.617 ug/l

RT: 5.22 min Scan# 572

Delta R.T. 0.00 min

Lab File: VY002819.D

Acq: 02 Jun 2020 17:20

Instrument :

MSVOA_Y

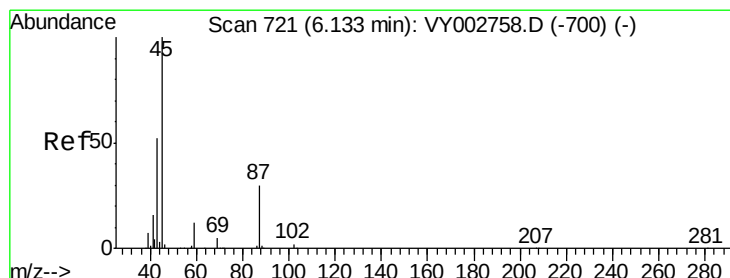
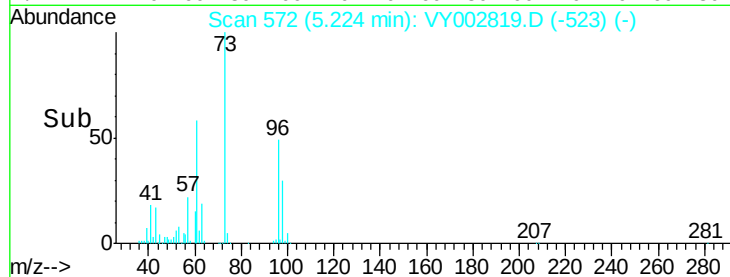
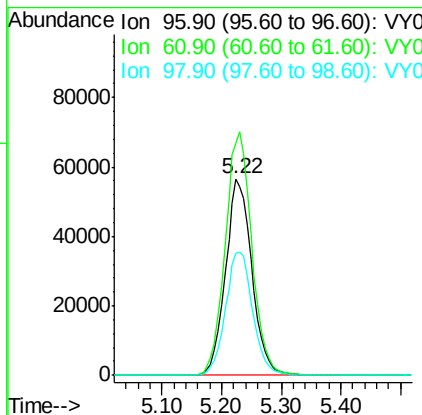
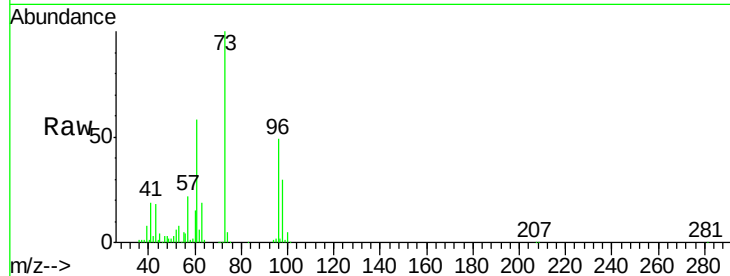
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	173490
Ion	Ratio	Lower	Upper
96	100		
61	118.5	96.8	145.2
98	62.0	49.4	74.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 56.064 ug/l

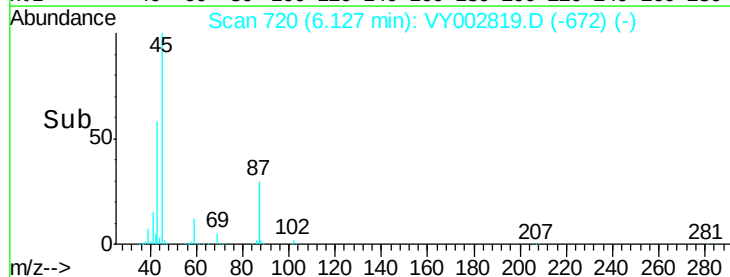
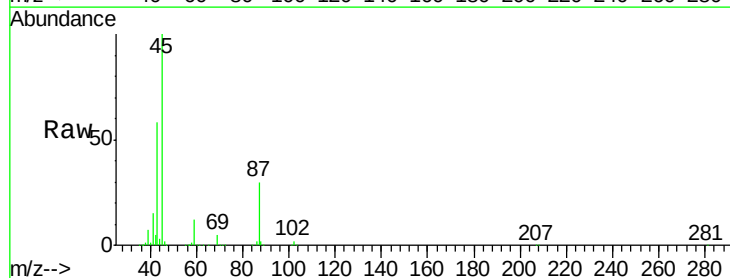
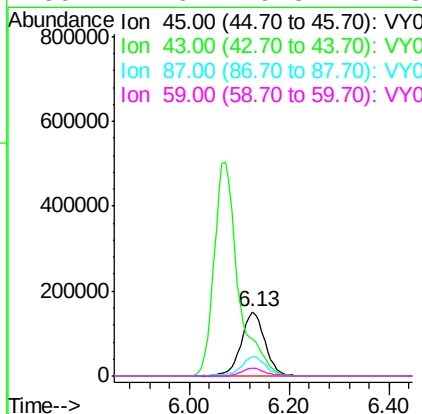
RT: 6.13 min Scan# 720

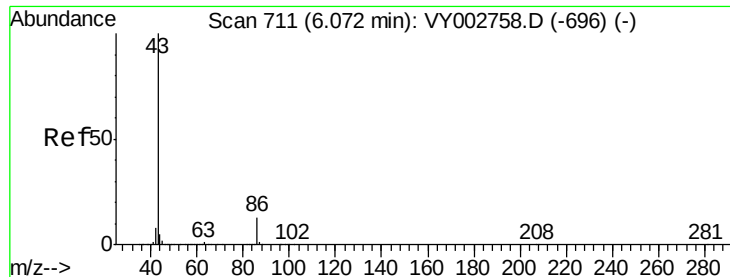
Delta R.T. -0.01 min

Lab File: VY002819.D

Acq: 02 Jun 2020 17:20

Tgt Ion:	45	Resp:	499386
Ion	Ratio	Lower	Upper
45	100		
43	57.6	41.7	62.5
87	30.1	24.2	36.2
59	11.6	9.8	14.8





#23

Vinyl Acetate

Concen: 287.518 ug/l

RT: 6.07 min Scan# 711

Delta R.T. 0.00 min

Lab File: VY002819.D

Acq: 02 Jun 2020 17:20

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1690881

Ion Ratio Lower Upper

43 100

86 12.2

10.2

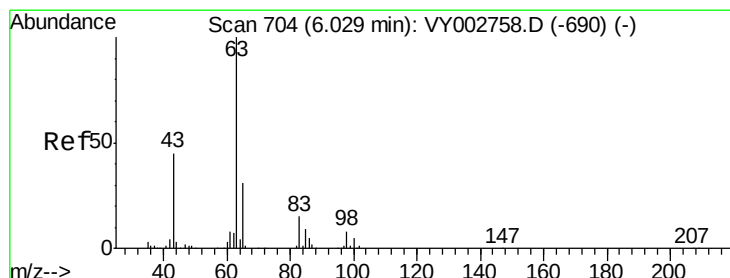
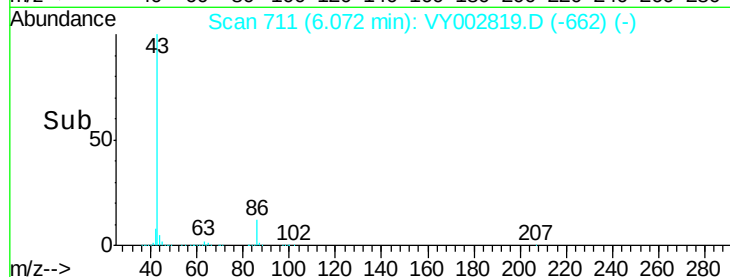
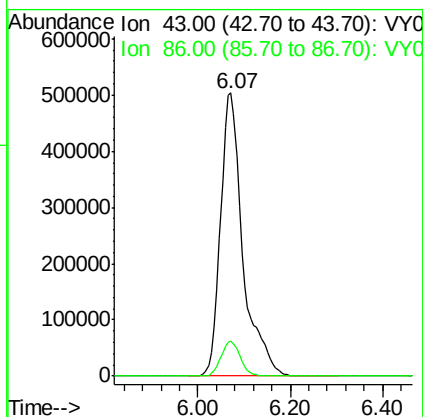
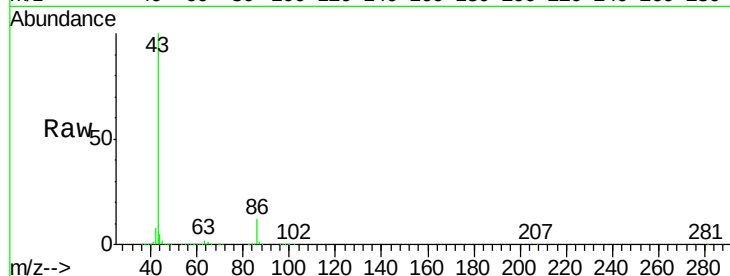
15.2

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#24

1,1-Dichloroethane

Concen: 54.945 ug/l

RT: 6.03 min Scan# 704

Delta R.T. 0.00 min

Lab File: VY002819.D

Acq: 02 Jun 2020 17:20

Tgt Ion: 63 Resp: 286299

Ion Ratio Lower Upper

63 100

98 7.7

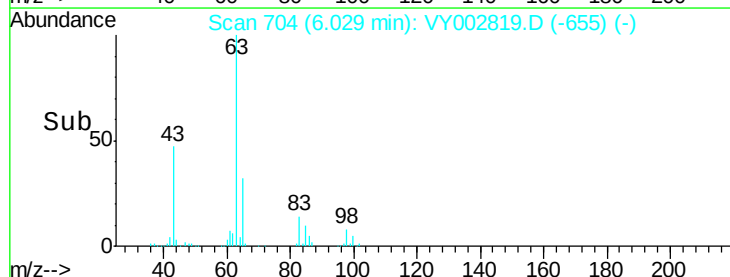
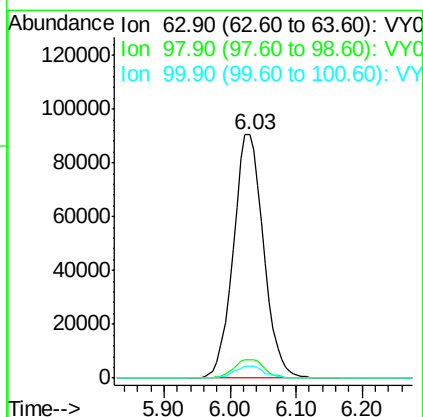
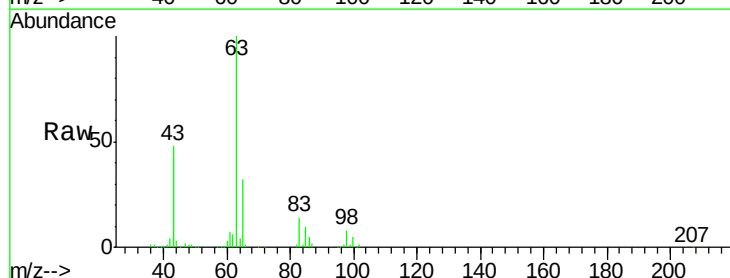
4.0

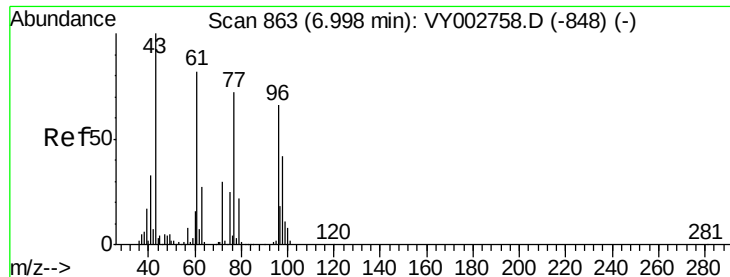
12.2

100 4.8

2.4

7.1





#25

2-Butanone

Concen: 276.695 ug/l

RT: 7.00 min Scan# 863

Delta R.T. 0.00 min

Lab File: VY002819.D

Acq: 02 Jun 2020 17:20

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 308350

Ion Ratio Lower Upper

43 100

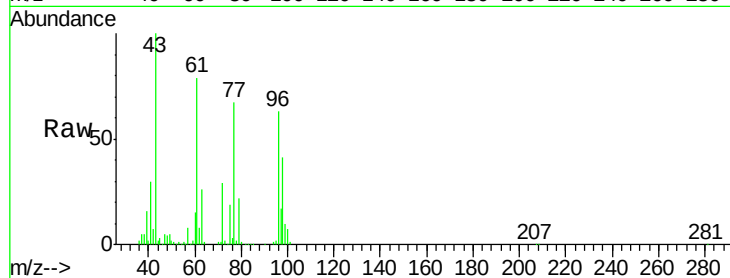
72 29.2 23.9 35.9

Manual Integrations

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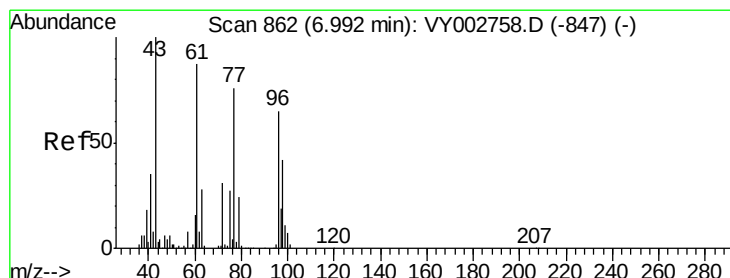
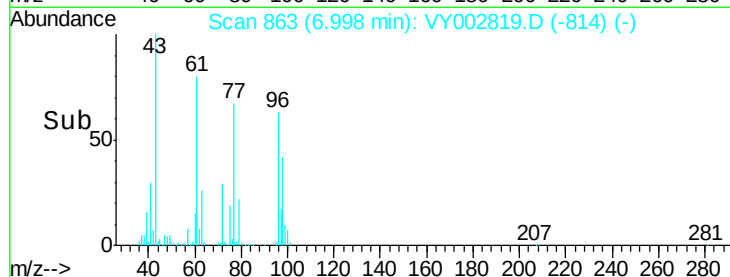
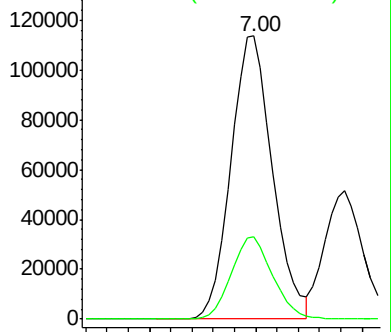
MMDadoda

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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: 50.178 ug/l

RT: 6.99 min Scan# 862

Delta R.T. 0.00 min

Lab File: VY002819.D

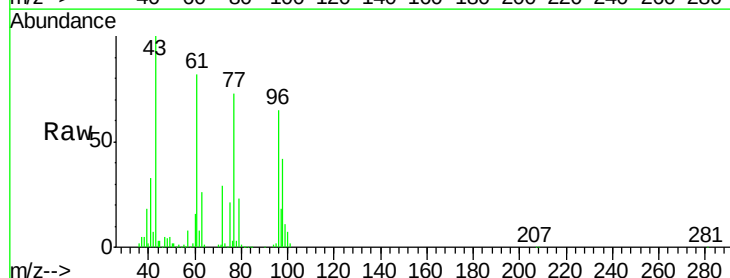
Acq: 02 Jun 2020 17:20

Tgt Ion: 77 Resp: 250759

Ion Ratio Lower Upper

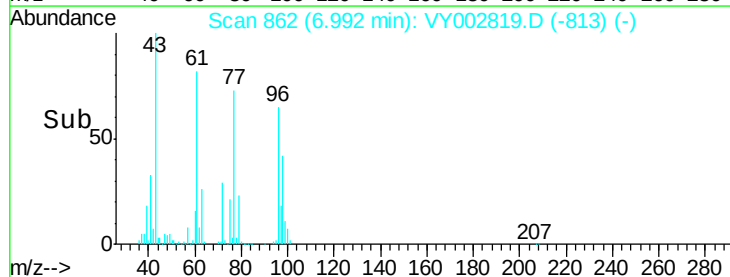
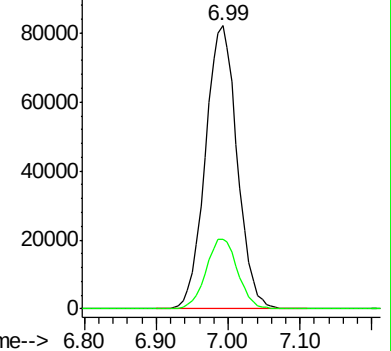
77 100

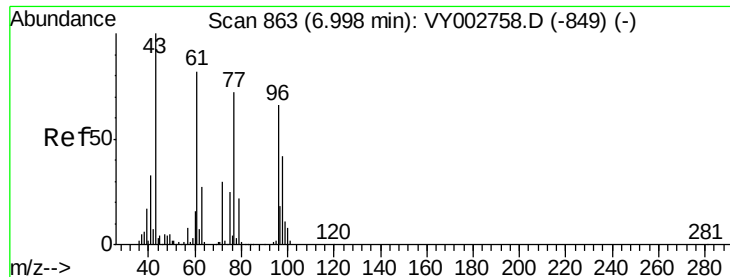
97 24.7 12.2 36.6



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0





#27

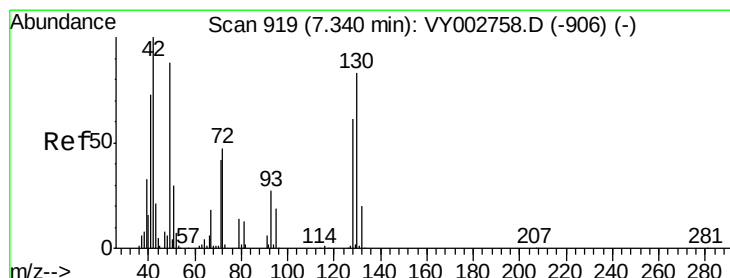
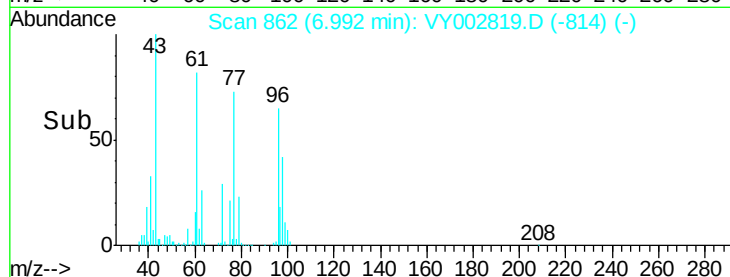
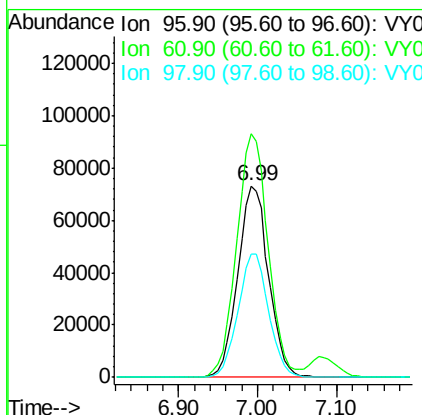
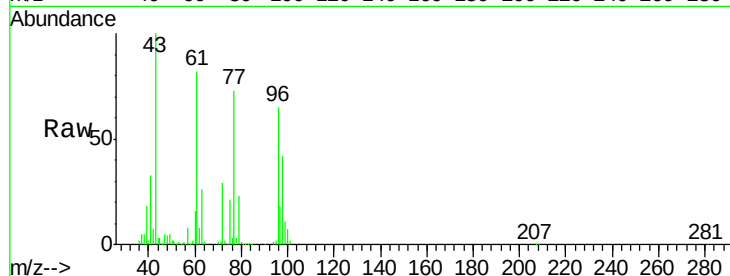
cis-1,2-Dichloroethene
 Concen: 52.758 ug/l
 RT: 6.99 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: VY002819.D
 Acq: 02 Jun 2020 17:20

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	129.4	0.0	260.2	
98	64.1	0.0	128.2	

Manual Integrations
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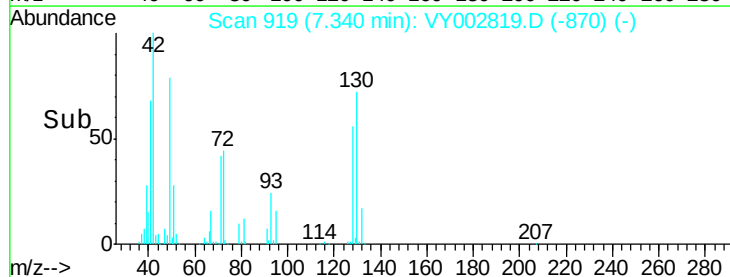
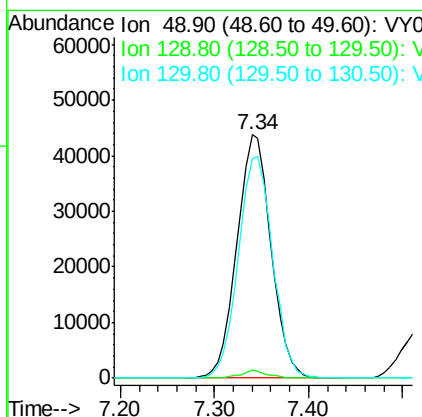
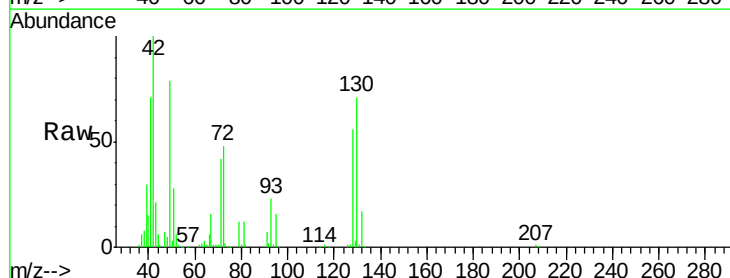
MMDadoda
 6/3/2020 11:31:40 AM

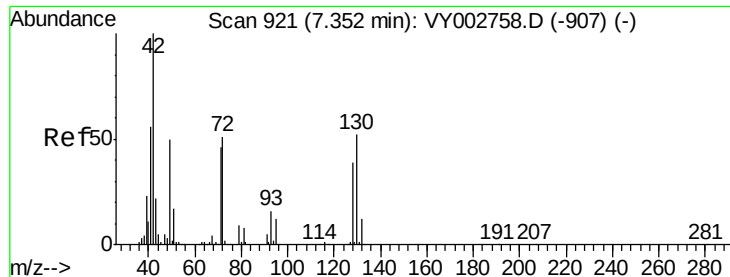


#28

Bromochloromethane
 Concen: 51.876 ug/l
 RT: 7.34 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VY002819.D
 Acq: 02 Jun 2020 17:20

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.6	0.0	5.2	
130	91.7	77.1	115.7	





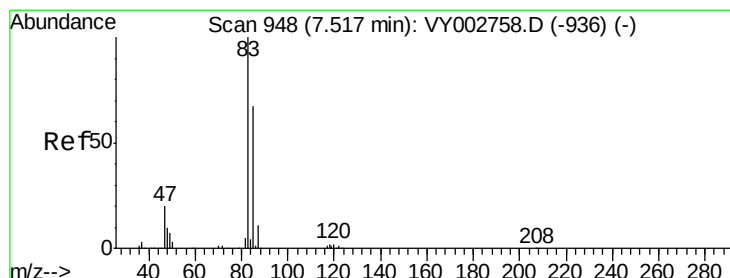
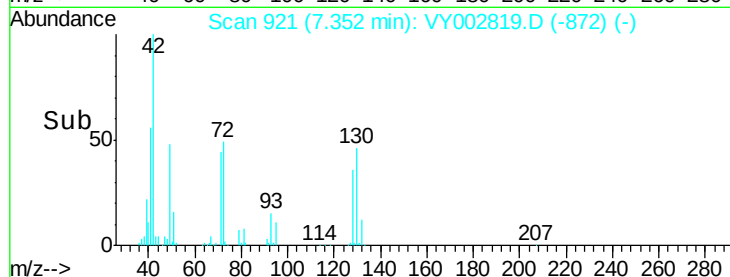
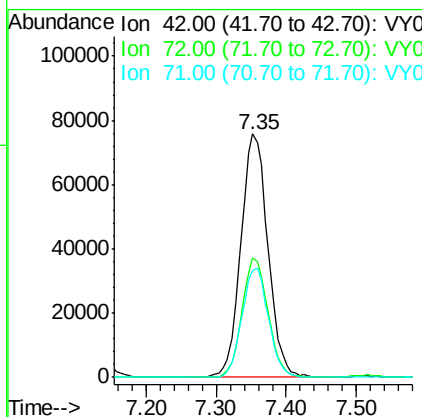
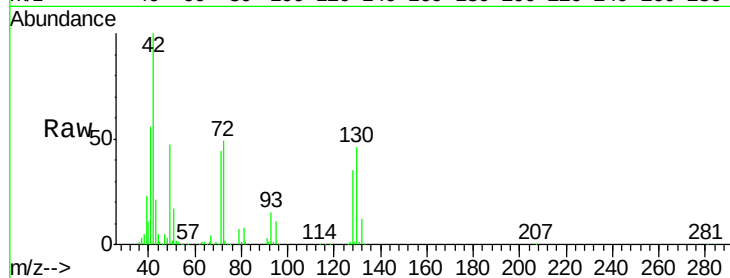
#29
Tetrahydrofuran
Concen: 281.660 ug/l
RT: 7.35 min Scan# 921
Delta R.T. 0.00 min
Lab File: VY002819.D
Acq: 02 Jun 2020 17:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.0	38.6	58.0
71	43.9	35.8	53.8

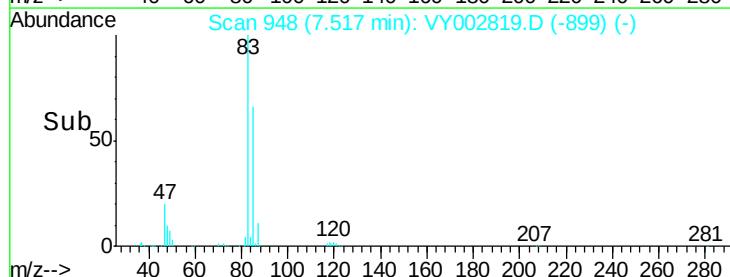
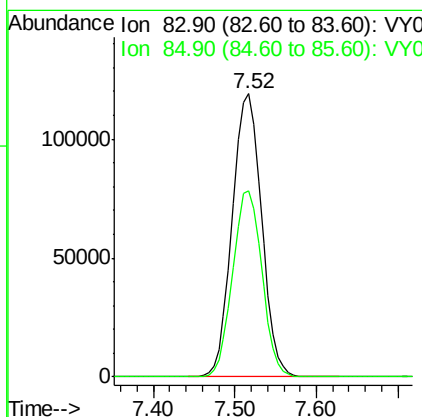
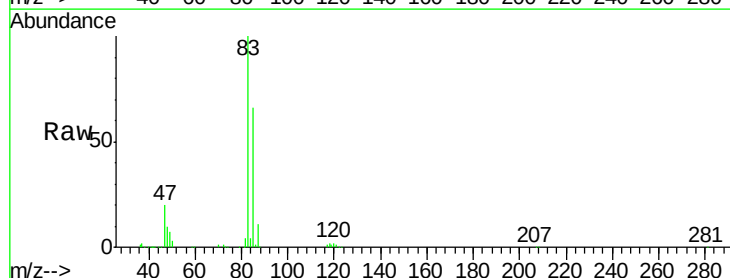
Manual Integrations
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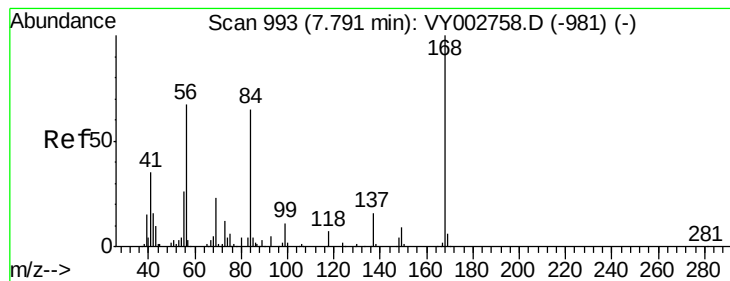
MMDadoda
6/3/2020 11:31:40 AM



#30
Chloroform
Concen: 53.487 ug/l
RT: 7.52 min Scan# 948
Delta R.T. 0.00 min
Lab File: VY002819.D
Acq: 02 Jun 2020 17:20

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	53.8	80.8





#31

Cyclohexane

Concen: 50.216 ug/l

RT: 7.79 min Scan# 993

Delta R.T. 0.00 min

Lab File: VY002819.D

Acq: 02 Jun 2020 17:20

Instrument :

MSVOA_Y

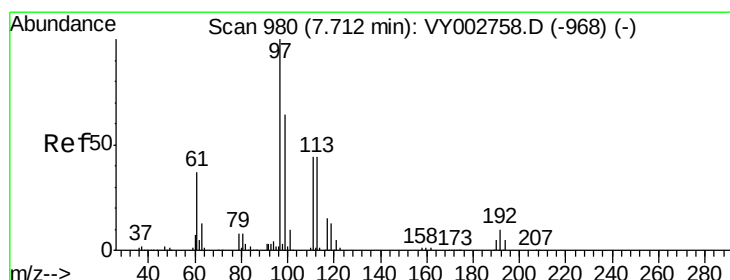
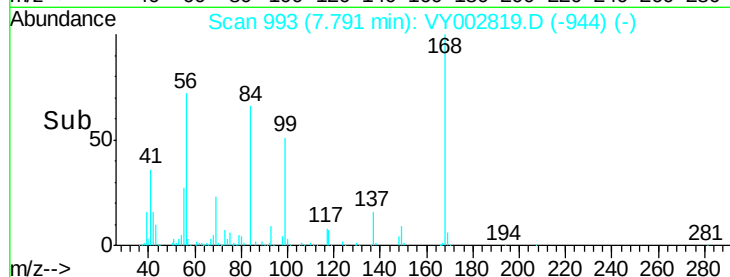
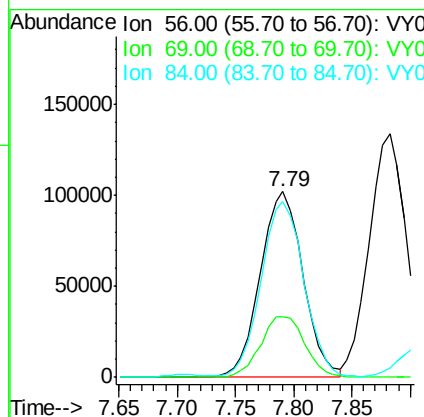
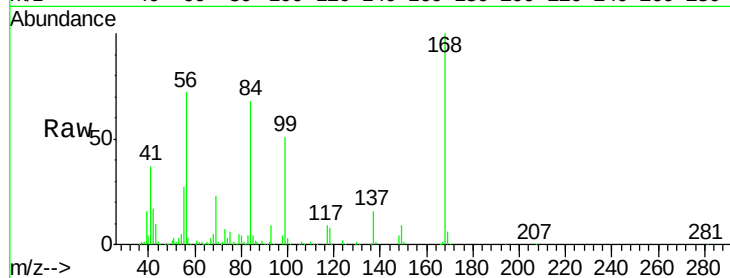
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	259791
Ion Ratio	Lower	Upper	
56	100		
69	32.6	28.0	42.0
84	93.2	77.7	116.5

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 51.084 ug/l

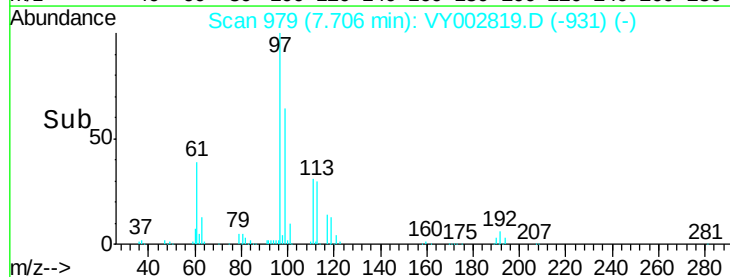
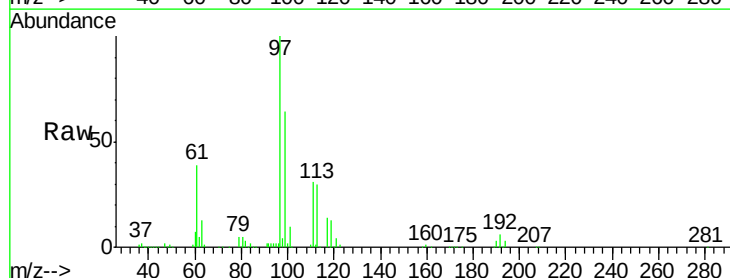
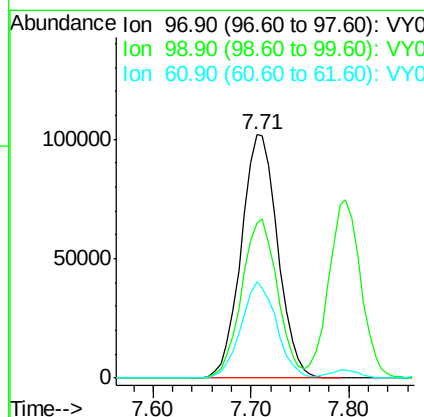
RT: 7.71 min Scan# 979

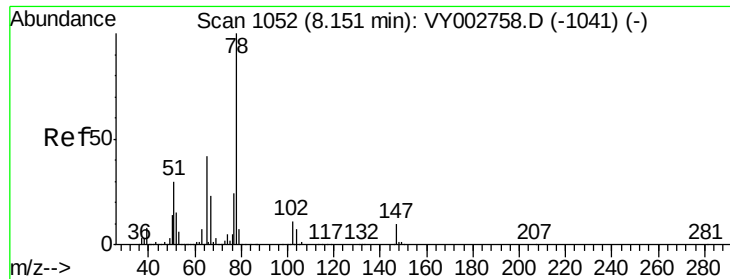
Delta R.T. -0.01 min

Lab File: VY002819.D

Acq: 02 Jun 2020 17:20

Tgt Ion:	97	Resp:	263211
Ion Ratio	Lower	Upper	
97	100		
99	64.4	51.4	77.0
61	38.5	30.1	45.1





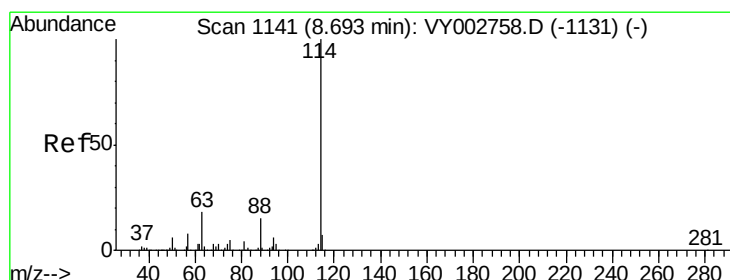
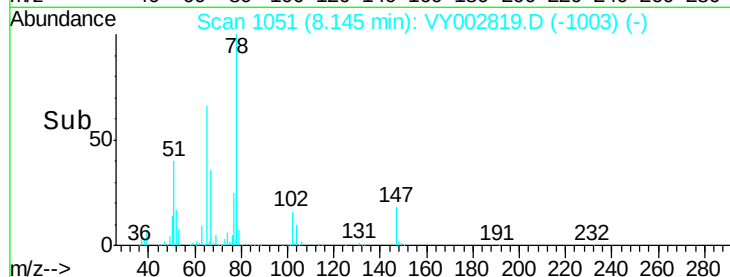
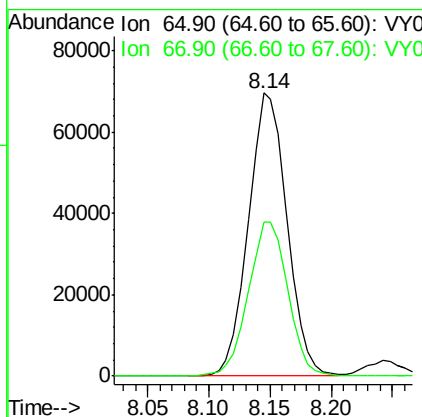
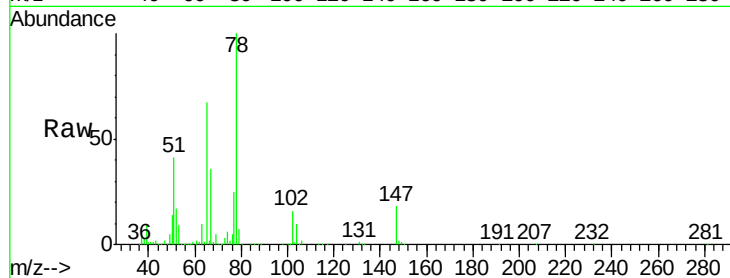
#33
 1,2-Dichloroethane-d4
 Concen: 50.231 ug/l
 RT: 8.14 min Scan# 1051
 Delta R.T. -0.01 min
 Lab File: VY002819.D
 Acq: 02 Jun 2020 17:20

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	55.8	0.0	111.0	

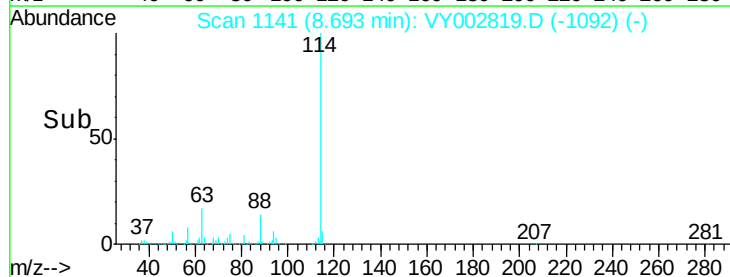
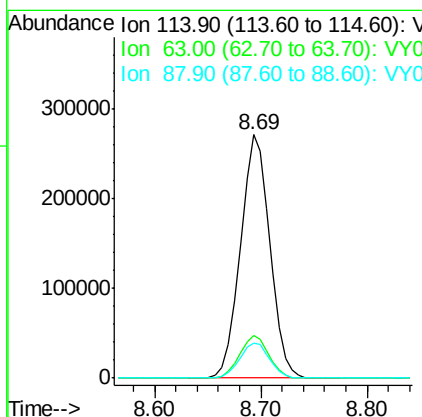
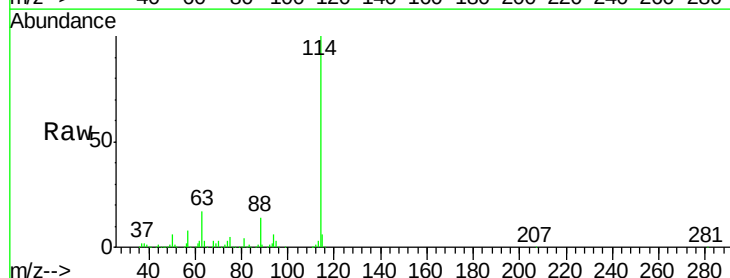
Manual Integrations
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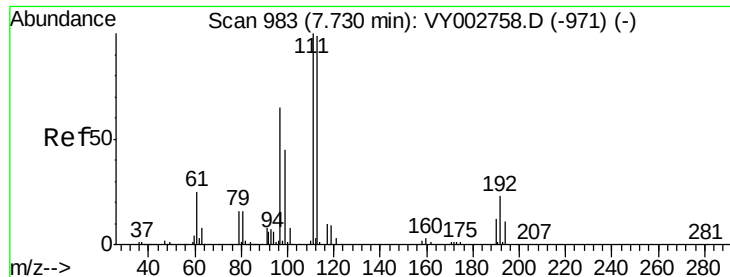
MMDadoda
 6/3/2020 11:31:40 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: VY002819.D
 Acq: 02 Jun 2020 17:20

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	17.3	0.0	35.2	
88	14.3	0.0	29.2	





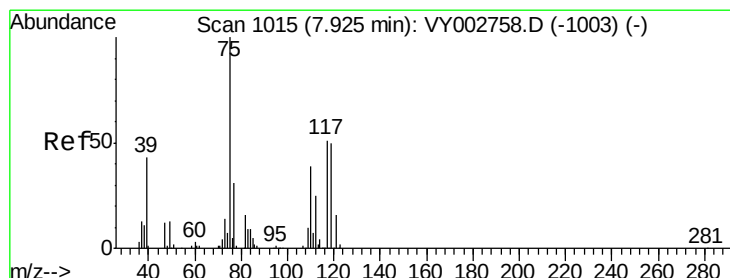
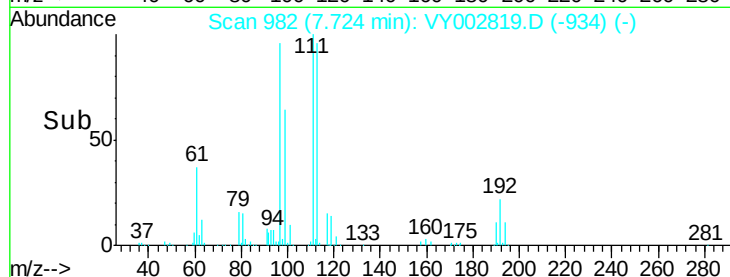
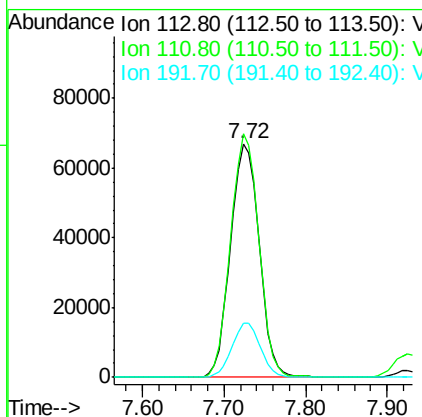
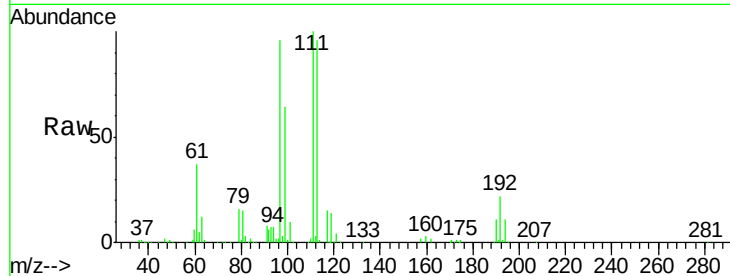
#35
 Dibromofluoromethane
 Concen: 52.983 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. -0.01 min
 Lab File: VY002819.D
 Acq: 02 Jun 2020 17:20

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.8	82.0	123.0	
192	22.7	18.9	28.3	

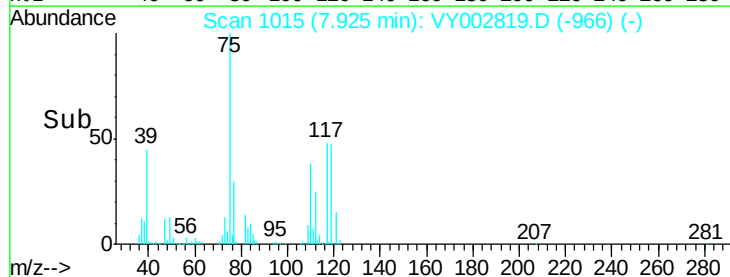
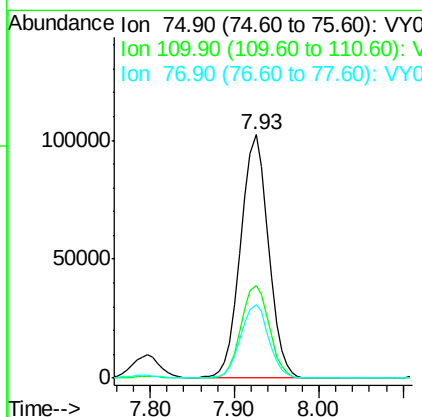
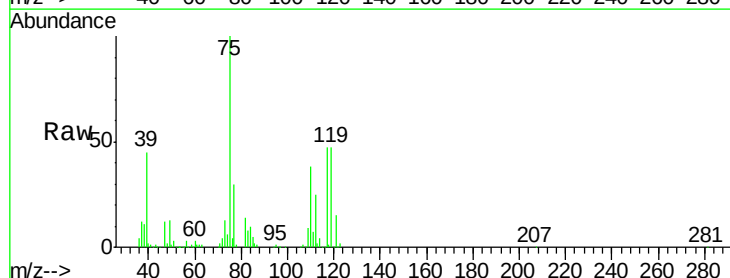
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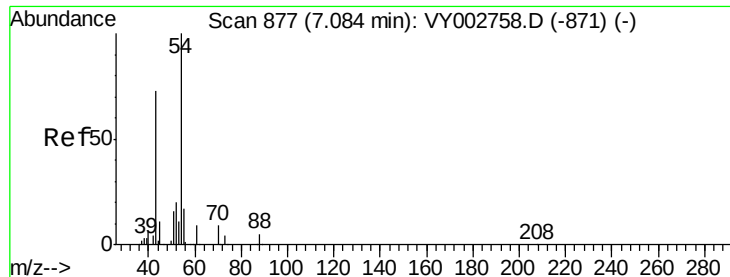
MMDadoda
 6/3/2020 11:31:40 AM



#36
 1,1-Dichloropropene
 Concen: 51.630 ug/l
 RT: 7.93 min Scan# 1015
 Delta R.T. 0.00 min
 Lab File: VY002819.D
 Acq: 02 Jun 2020 17:20

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	38.6	19.3	57.9	
77	30.6	24.8	37.2	





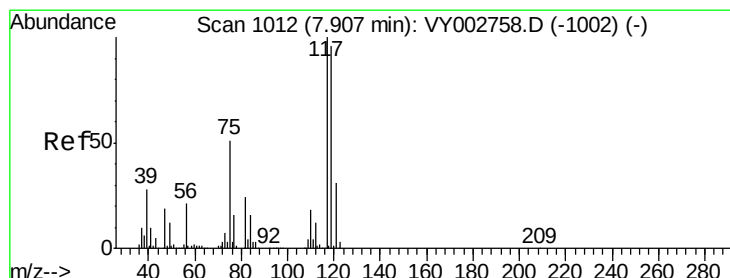
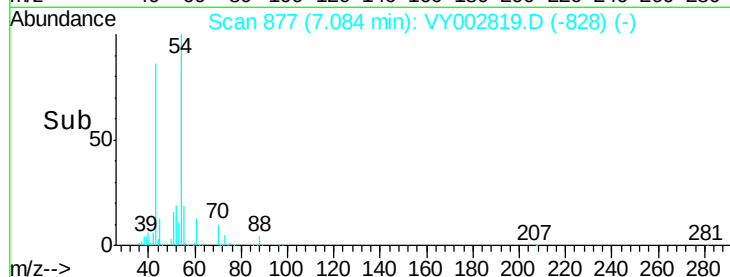
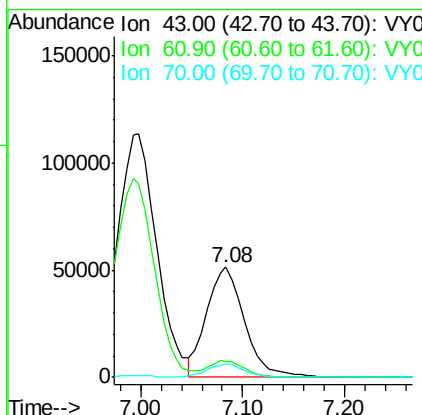
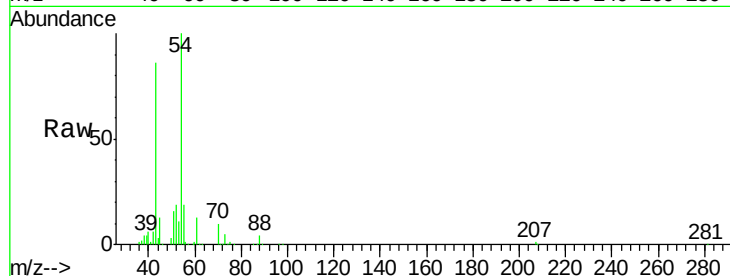
#37
Ethyl Acetate
Concen: 55.122 ug/l
RT: 7.08 min Scan# 877
Delta R.T. 0.00 min
Lab File: VY002819.D
Acq: 02 Jun 2020 17:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.7	11.9	17.9
70	11.9	9.1	13.7

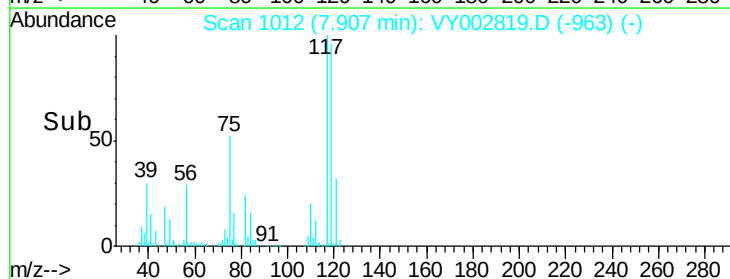
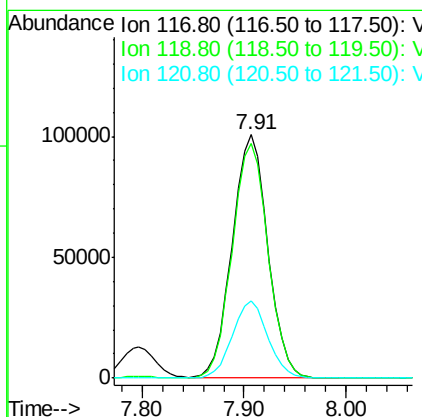
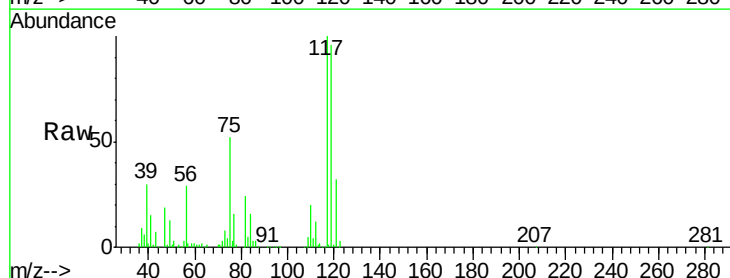
Manual Integrations
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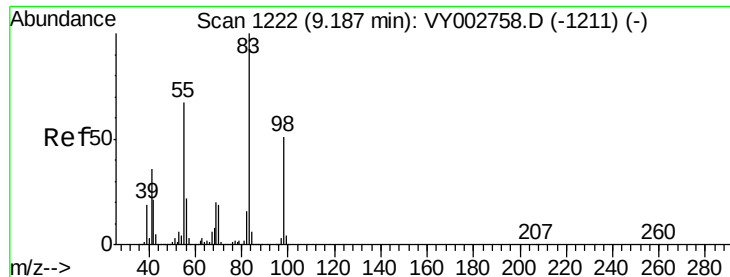
MMDadoda
6/3/2020 11:31:40 AM



#38
Carbon Tetrachloride
Concen: 49.646 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VY002819.D
Acq: 02 Jun 2020 17:20

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.4	76.8	115.2
121	31.8	24.8	37.2





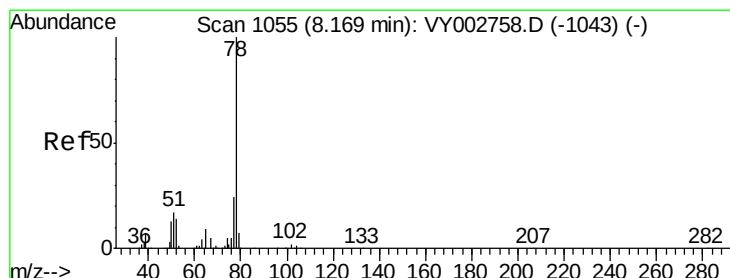
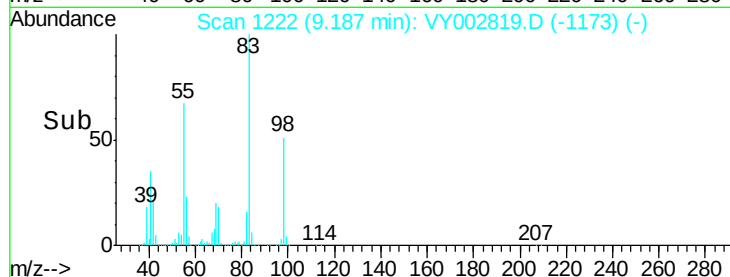
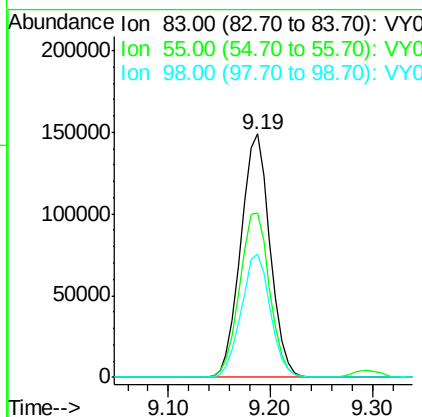
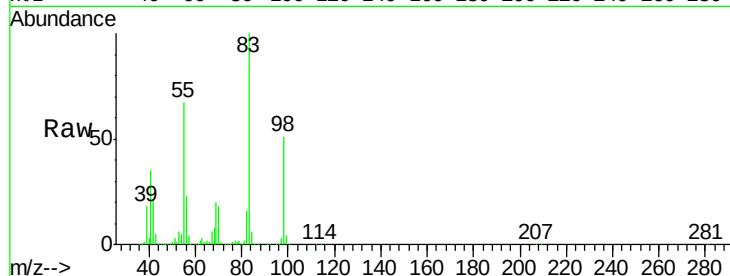
#39
Methylvlcyclohexane
Concen: 51.107 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. 0.00 min
Lab File: VY002819.D
Acq: 02 Jun 2020 17:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	297629
Ion	Ratio	Lower	Upper
83	100		
55	67.4	53.3	79.9
98	50.7	41.1	61.7

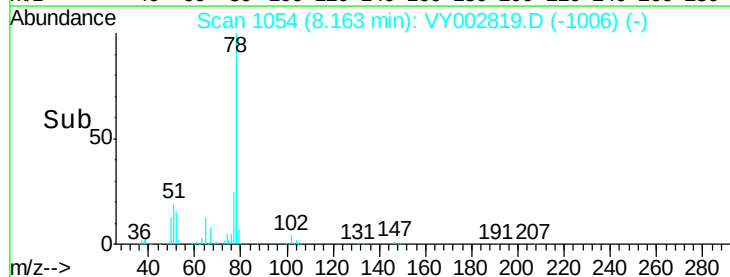
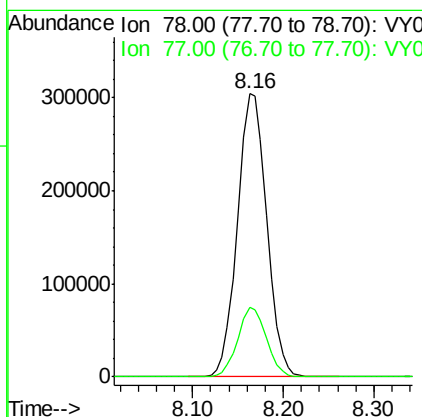
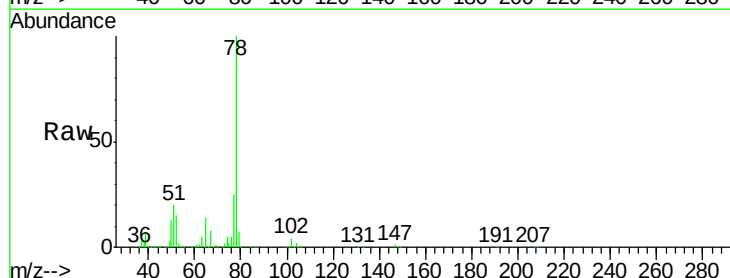
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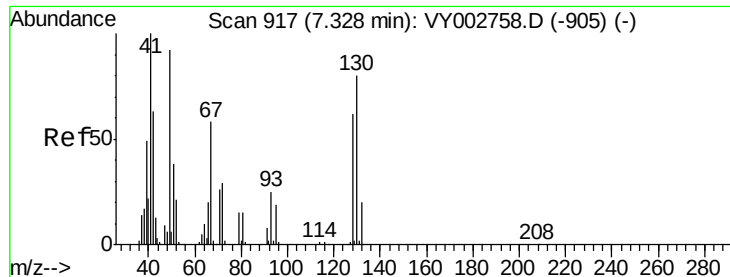
MMDadoda
6/3/2020 11:31:40 AM



#40
Benzene
Concen: 52.144 ug/l
RT: 8.16 min Scan# 1054
Delta R.T. -0.01 min
Lab File: VY002819.D
Acq: 02 Jun 2020 17:20

Tgt Ion	78	Resp	680739
Ion	Ratio	Lower	Upper
78	100		
77	24.7	18.8	28.2





#41

Methacrylonitrile

Concen: 54.320 ug/l m

RT: 7.33 min Scan# 917

Delta R.T. 0.00 min

Lab File: VY002819.D

Acq: 02 Jun 2020 17:20

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 70149

Ion Ratio Lower Upper

41 100

39 0.0 97.6 146.4#

67 0.0 0.0 0.0

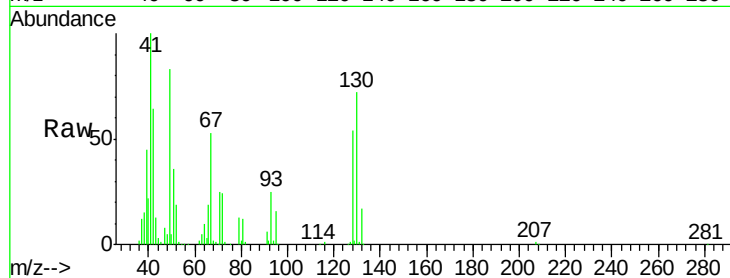
52 0.0 0.0 0.0

Manual Integrations

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MMDadoda

6/3/2020 11:31:40 AM

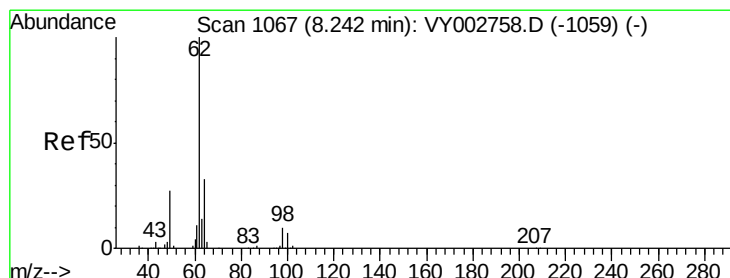
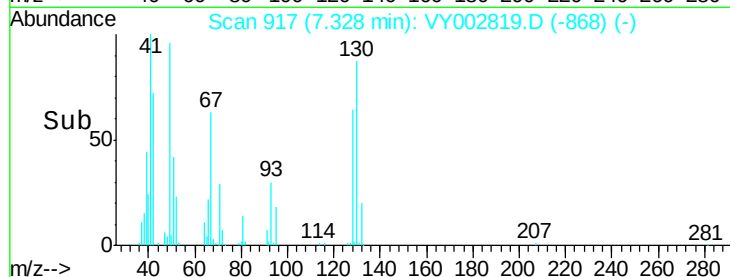
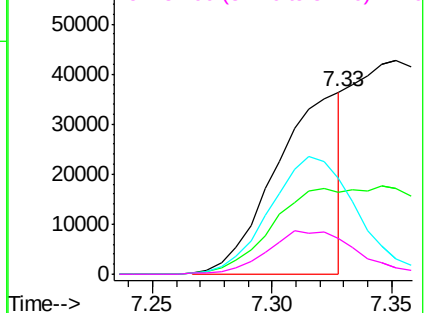


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 67.00 (66.70 to 67.70): VY0

Ion 52.00 (51.70 to 52.70): VY0



#42

1,2-Dichloroethane

Concen: 50.669 ug/l

RT: 8.24 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VY002819.D

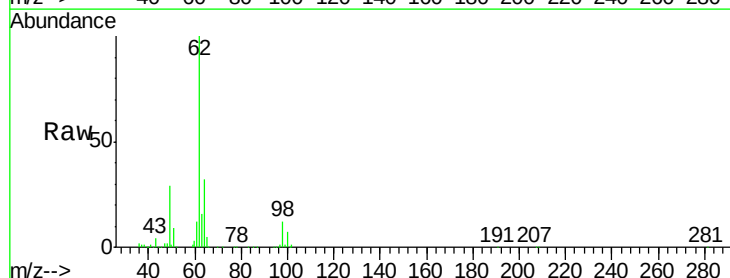
Acq: 02 Jun 2020 17:20

Tgt Ion: 62 Resp: 185383

Ion Ratio Lower Upper

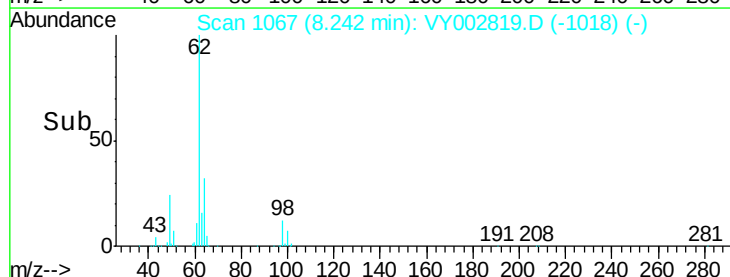
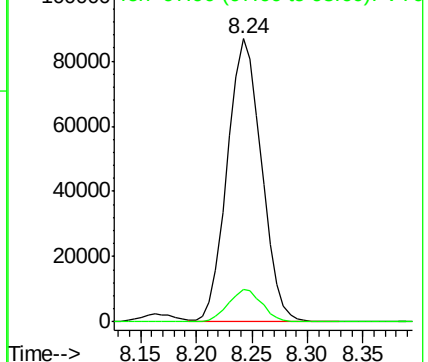
62 100

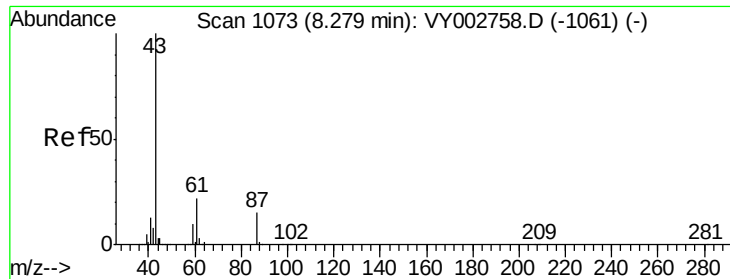
98 11.3 0.0 22.6



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 97.90 (97.60 to 98.60): VY0





#43

Isopropyl Acetate

Concen: 55.766 ug/l

RT: 8.28 min Scan# 1073

Delta R.T. 0.00 min

Lab File: VY002819.D

Acq: 02 Jun 2020 17:20

Instrument :

MSVOA_Y

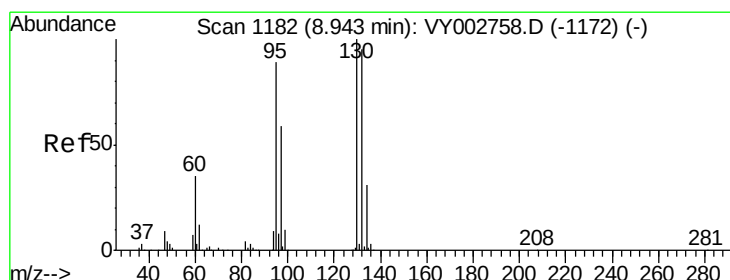
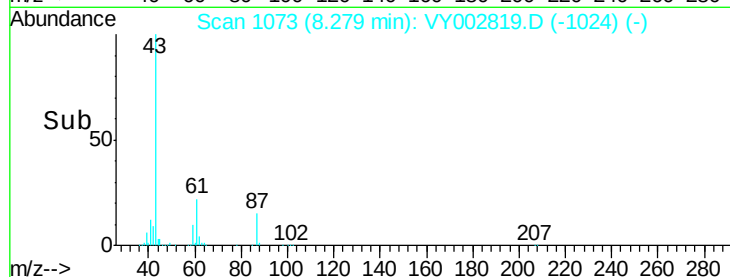
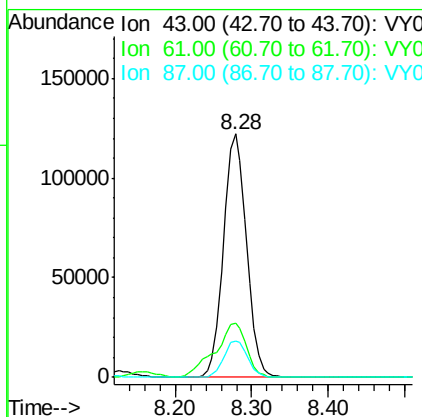
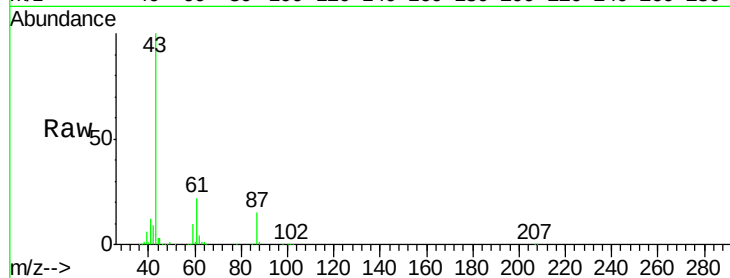
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	254031
Ion	Ratio	Lower	Upper
43	100		
61	30.5	24.8	37.2
87	15.4	12.4	18.6

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MMDadoda
6/3/2020 11:31:40 AM



#44

Trichloroethene

Concen: 51.009 ug/l

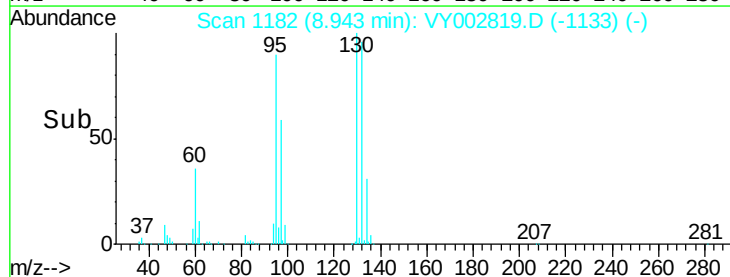
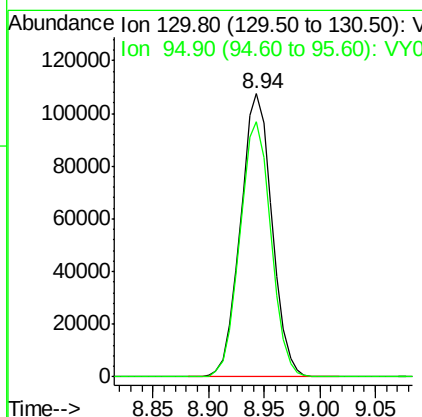
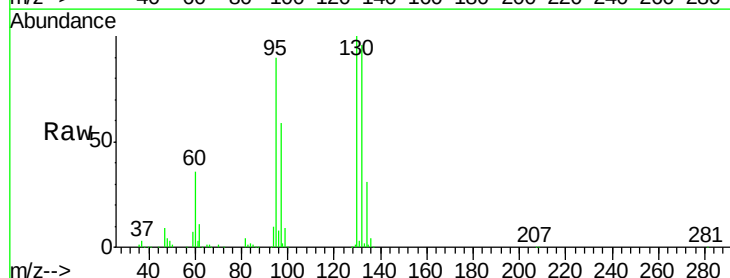
RT: 8.94 min Scan# 1182

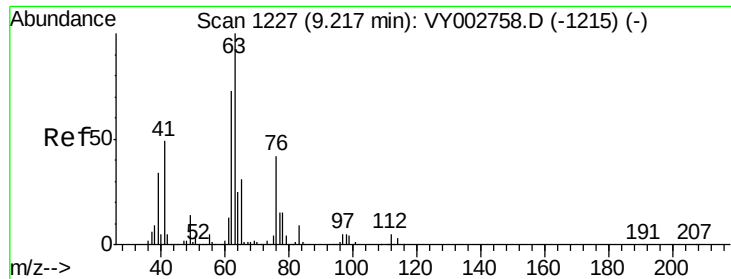
Delta R.T. 0.00 min

Lab File: VY002819.D

Acq: 02 Jun 2020 17:20

Tgt Ion:	130	Resp:	210344
Ion	Ratio	Lower	Upper
130	100		
95	90.1	0.0	178.8





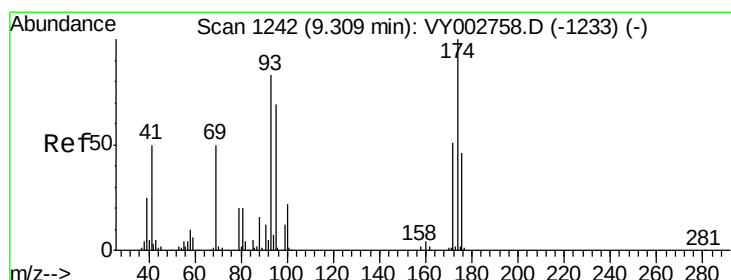
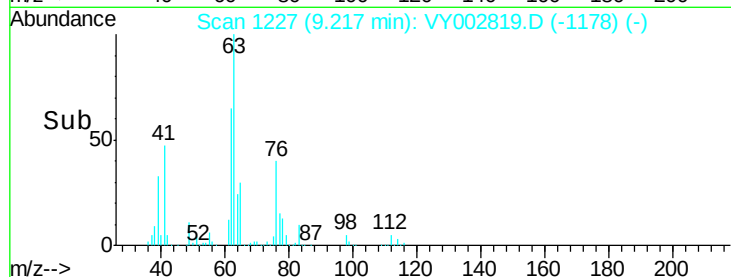
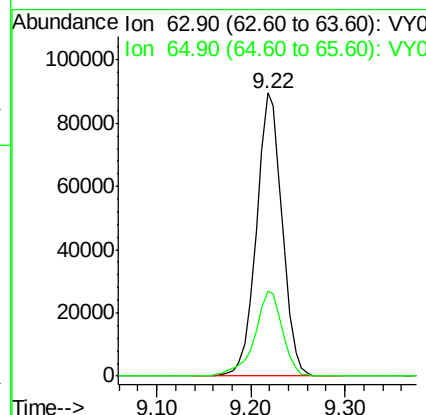
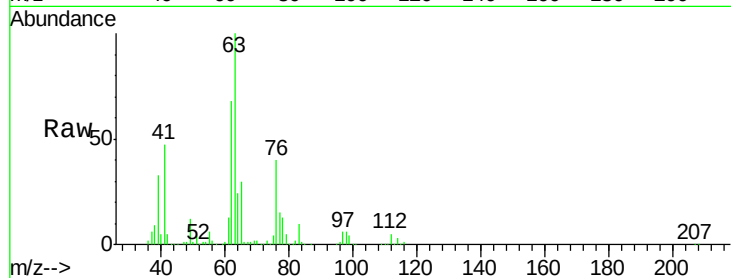
#45
 1,2-Dichloropropane
 Concen: 54.841 ug/l
 RT: 9.22 min Scan# 1227
 Delta R.T. 0.00 min
 Lab File: VY002819.D
 Acq: 02 Jun 2020 17:20

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.0	24.8	37.2

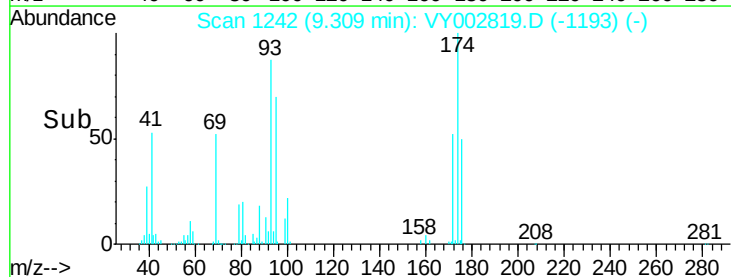
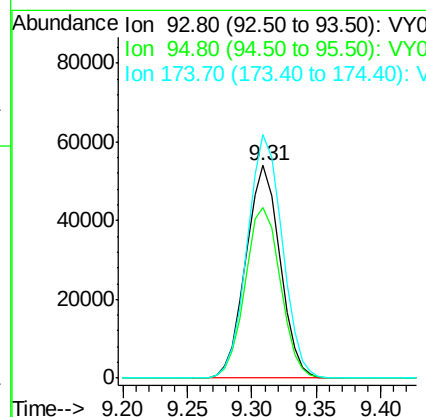
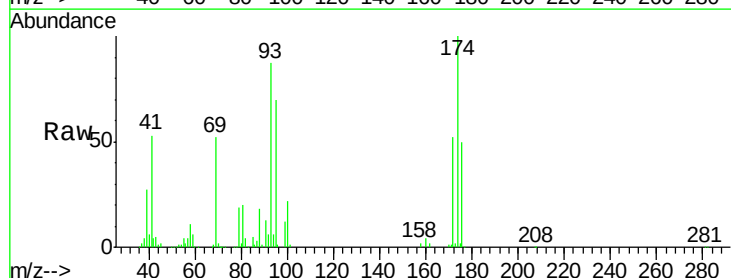
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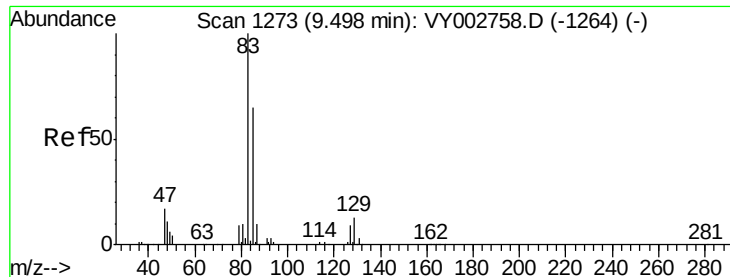
MMDadoda
 6/3/2020 11:31:40 AM



#46
 Dibromomethane
 Concen: 53.510 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VY002819.D
 Acq: 02 Jun 2020 17:20

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.8	66.9	100.3
174	116.7	97.7	146.5





#47

Bromodichloromethane

Concen: 53.567 ug/l

RT: 9.50 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VY002819.D

Acq: 02 Jun 2020 17:20

Instrument :

MSVOA_Y

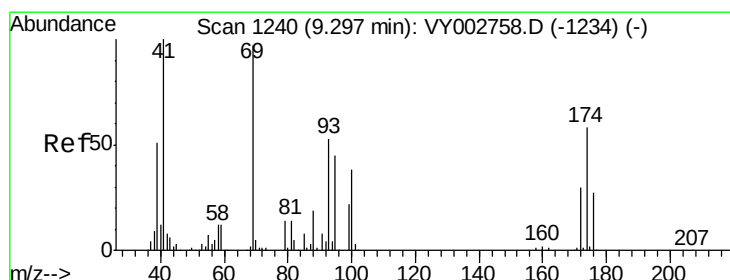
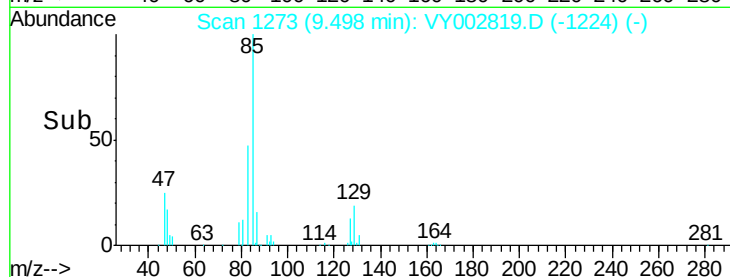
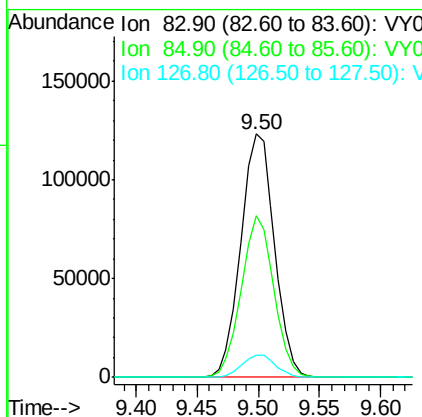
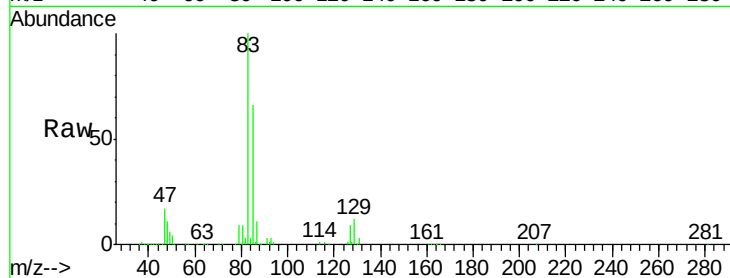
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	234793
Ion	Ratio	Lower	Upper
83	100		
85	66.3	51.9	77.9
127	8.9	7.1	10.7

Manual Integrations
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MMDadoda
6/3/2020 11:31:40 AM



#48

Methyl methacrylate

Concen: 56.175 ug/l

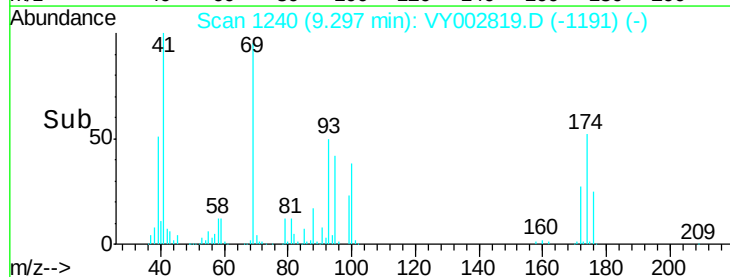
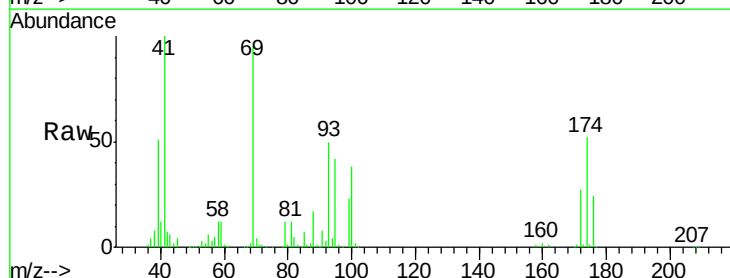
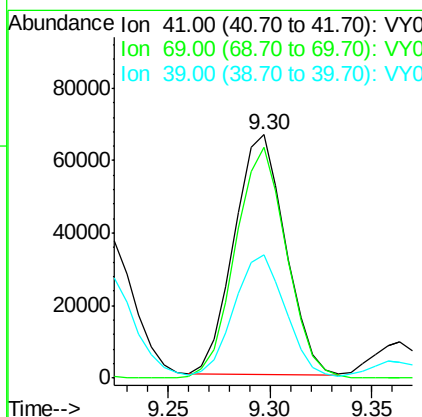
RT: 9.30 min Scan# 1240

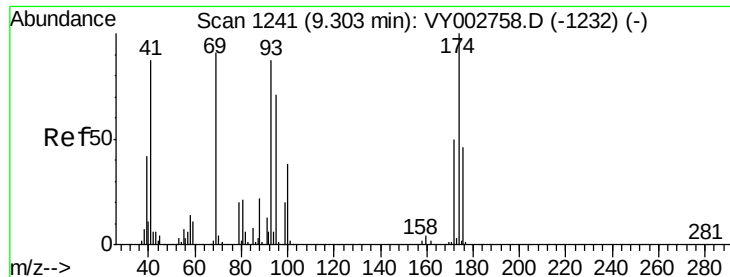
Delta R.T. 0.00 min

Lab File: VY002819.D

Acq: 02 Jun 2020 17:20

Tgt Ion:	41	Resp:	115518
Ion	Ratio	Lower	Upper
41	100		
69	96.5	79.7	119.5
39	52.2	43.3	64.9





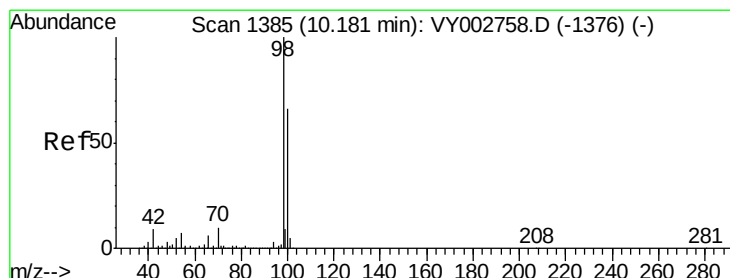
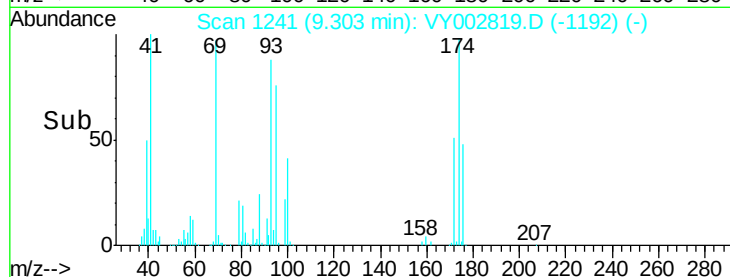
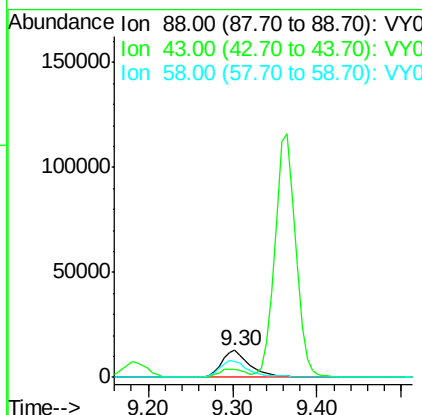
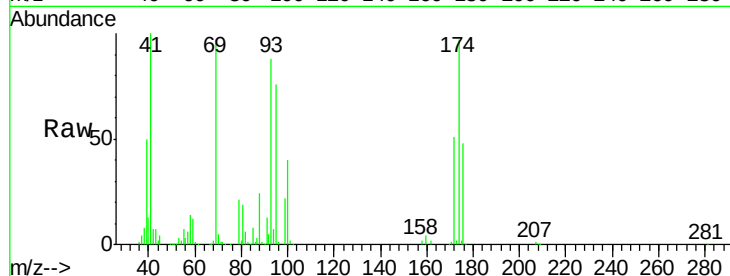
#49
1,4-Dioxane
Concen: 1044.075 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. 0.00 min
Lab File: VY002819.D
Acq: 02 Jun 2020 17:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	29807
Ion	Ratio	Lower	Upper
88	100		
43	26.7	21.3	31.9
58	66.6	52.2	78.2

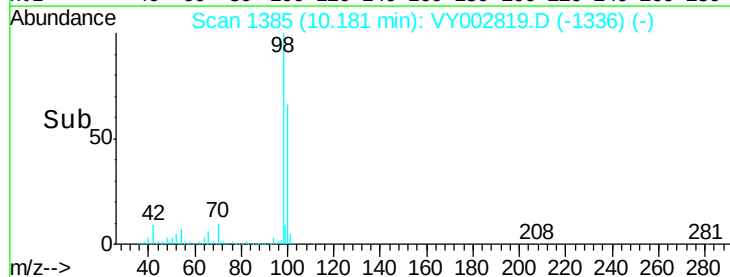
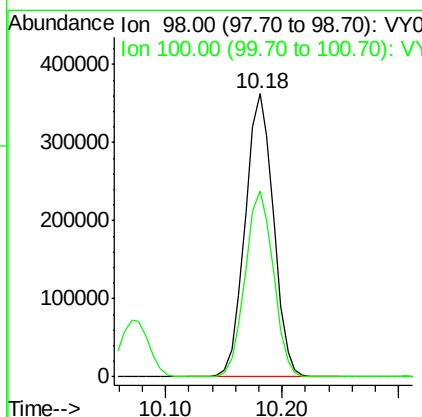
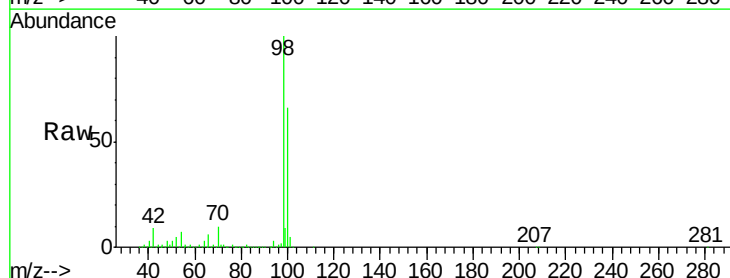
Manual Integrations
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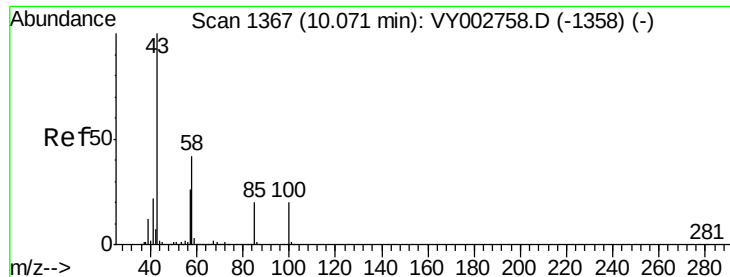
MMDadoda
6/3/2020 11:31:40 AM



#50
Toluene-d8
Concen: 49.660 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VY002819.D
Acq: 02 Jun 2020 17:20

Tgt Ion	98	Resp	617184
Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.2	78.2





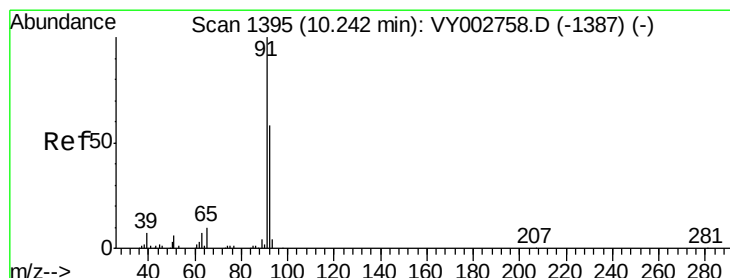
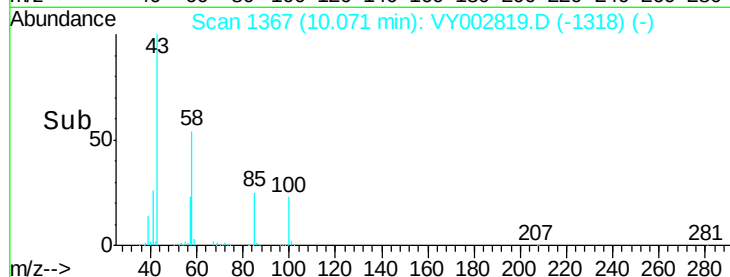
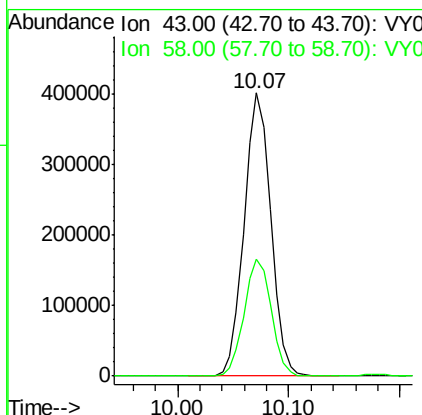
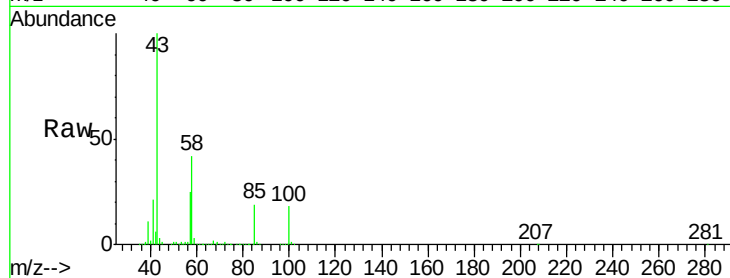
#51
4-Methyl-2-Pentanone
Concen: 277.230 ug/l
RT: 10.07 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VY002819.D
Acq: 02 Jun 2020 17:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 668719
Ion Ratio Lower Upper
43 100
58 42.1 34.2 51.2

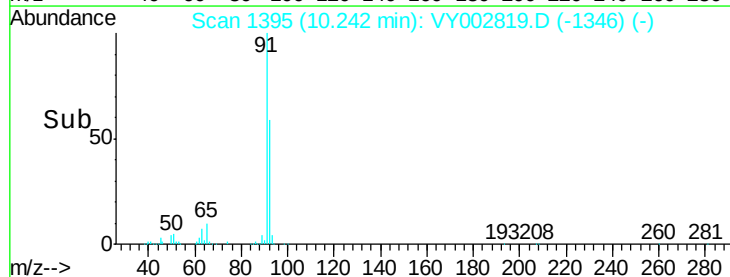
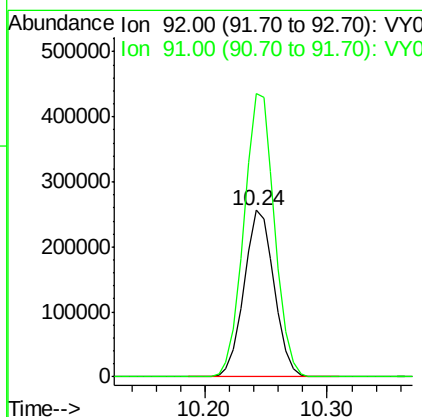
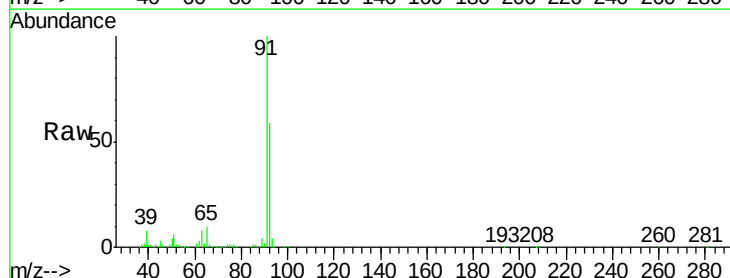
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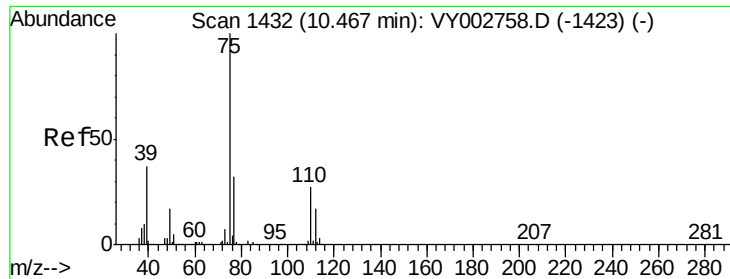
MMDadoda
6/3/2020 11:31:40 AM



#52
Toluene
Concen: 51.172 ug/l
RT: 10.24 min Scan# 1395
Delta R.T. 0.00 min
Lab File: VY002819.D
Acq: 02 Jun 2020 17:20

Tgt Ion: 92 Resp: 437023
Ion Ratio Lower Upper
92 100
91 172.5 138.5 207.7





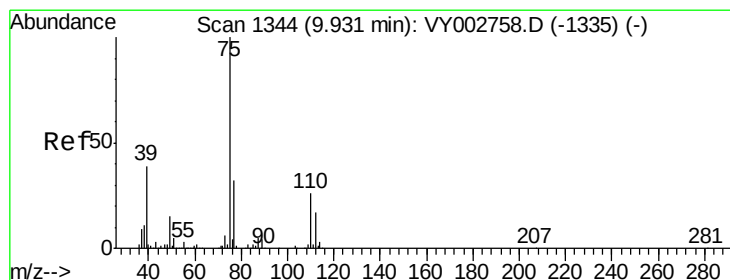
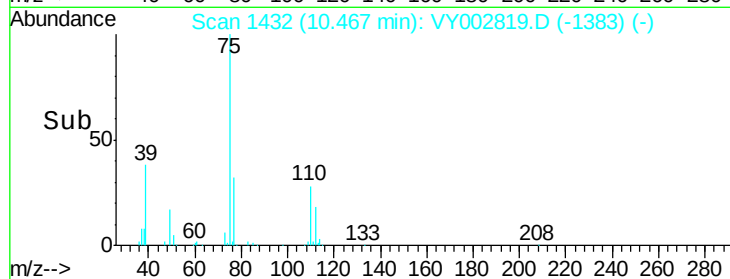
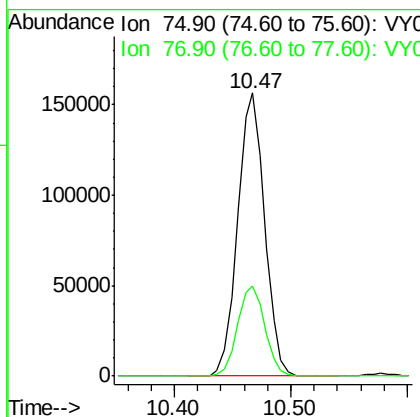
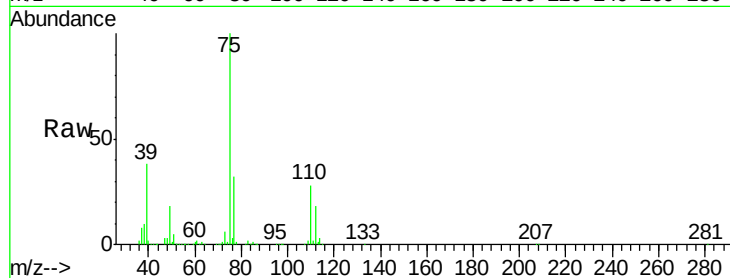
#53
t-1,3-Dichloropropene
Concen: 52.815 ug/l
RT: 10.47 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VY002819.D
Acq: 02 Jun 2020 17:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.3	37.9

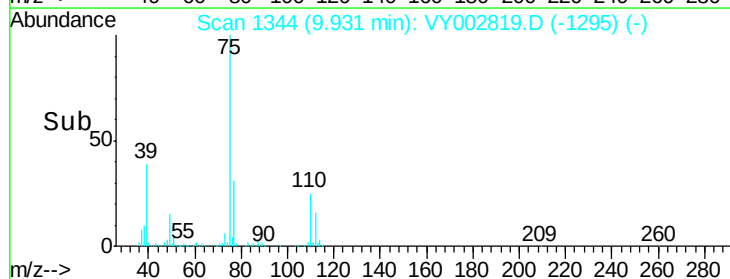
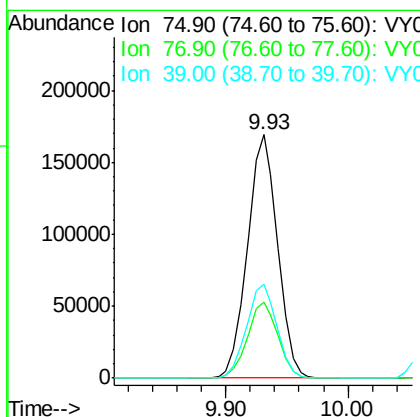
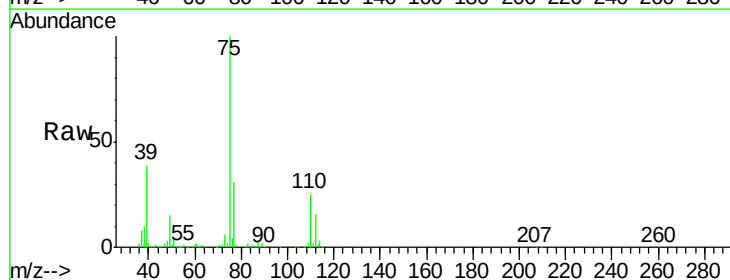
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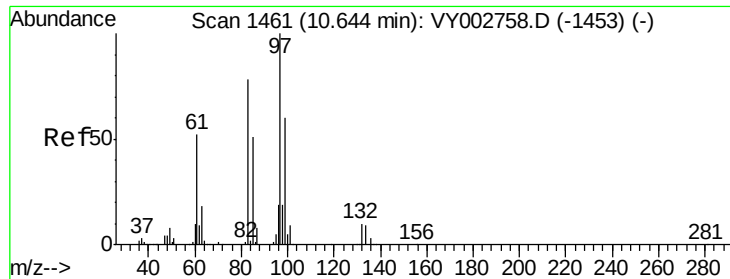
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 53.256 ug/l
RT: 9.93 min Scan# 1344
Delta R.T. 0.00 min
Lab File: VY002819.D
Acq: 02 Jun 2020 17:20

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.6	38.4
39	38.6	31.3	46.9





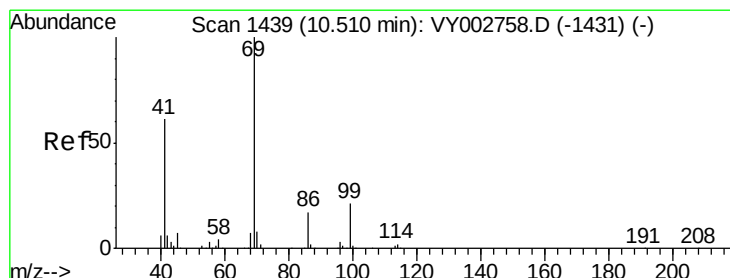
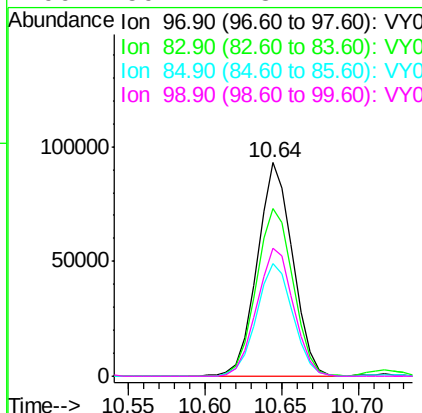
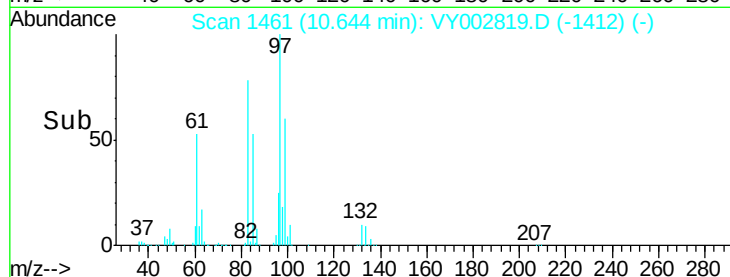
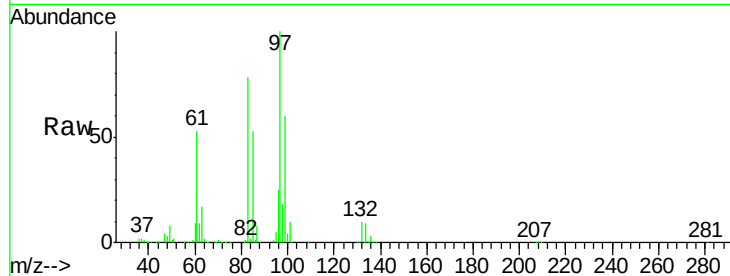
#55
 1,1,2-Trichloroethane
 Concen: 52.748 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. 0.00 min
 Lab File: VY002819.D
 Acq: 02 Jun 2020 17:20

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		150147		
83	78.2	62.7	94.1		
85	52.6	40.6	60.8		
99	59.7	48.2	72.4		

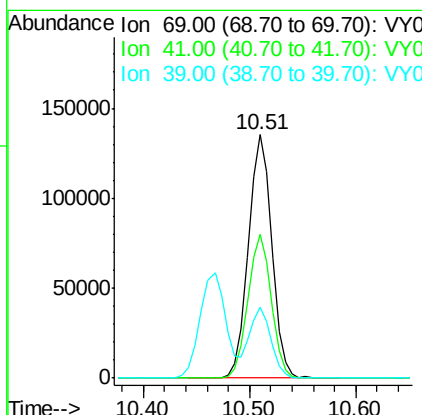
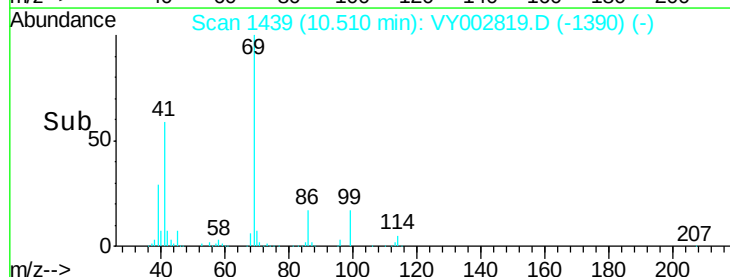
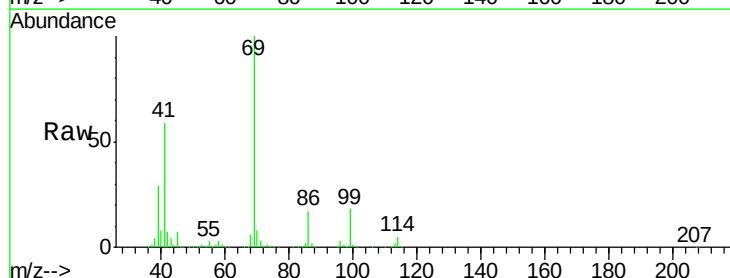
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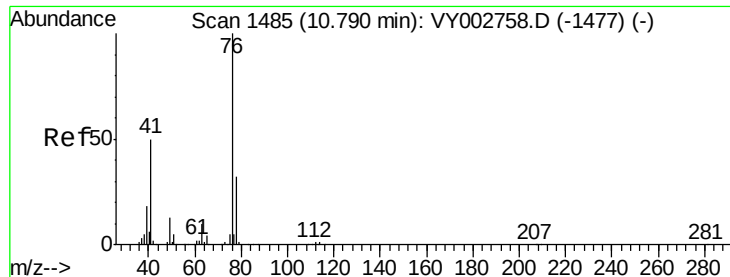
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 6/3/2020 11:31:40 AM



#56
 Ethyl methacrylate
 Concen: 54.852 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. 0.00 min
 Lab File: VY002819.D
 Acq: 02 Jun 2020 17:20

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		209130		
41	58.4	47.0	70.4		
39	26.2	22.0	33.0		





#57

1,3-Dichloropropane

Concen: 53.111 ug/l

RT: 10.79 min Scan# 1485

Delta R.T. 0.00 min

Lab File: VY002819.D

Acq: 02 Jun 2020 17:20

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 248660

Ion Ratio Lower Upper

76 100

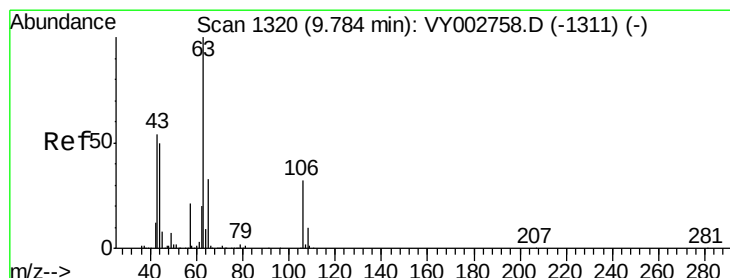
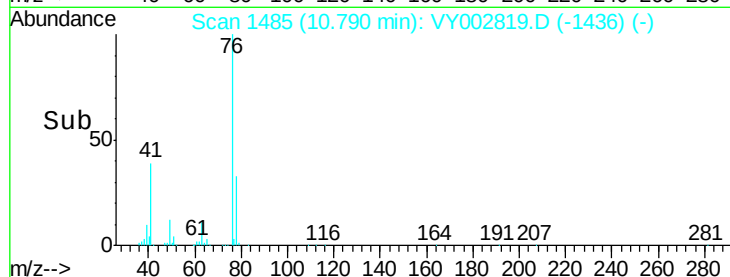
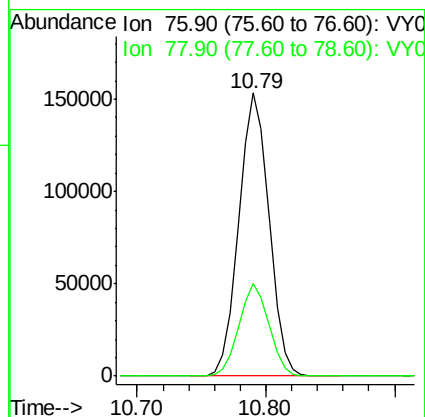
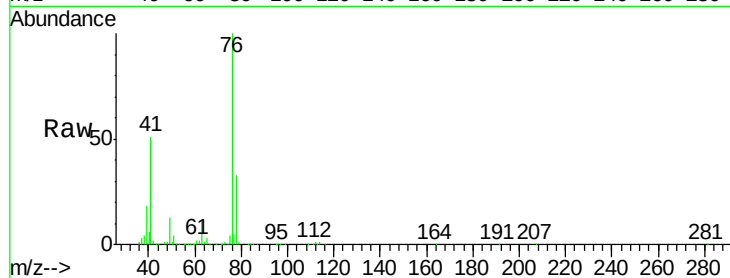
78 32.4 26.1 39.1

Manual Integrations

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MMDadoda

6/3/2020 11:31:40 AM



#58

2-Chloroethyl Vinyl ether

Concen: 256.376 ug/l

RT: 9.78 min Scan# 1320

Delta R.T. 0.00 min

Lab File: VY002819.D

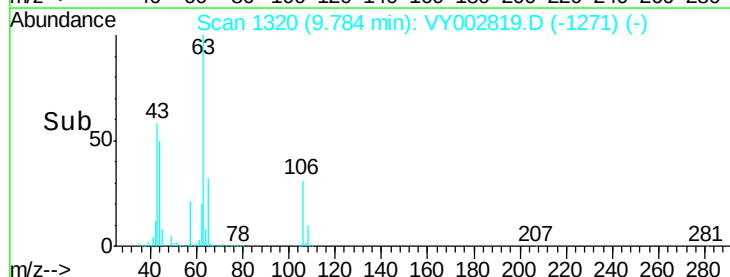
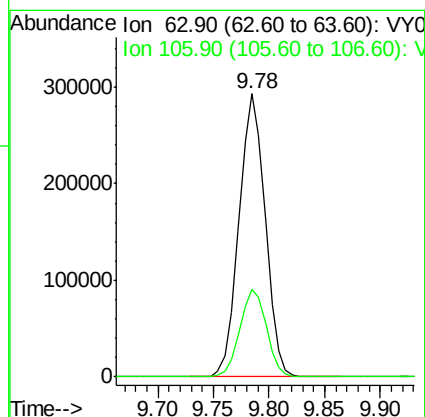
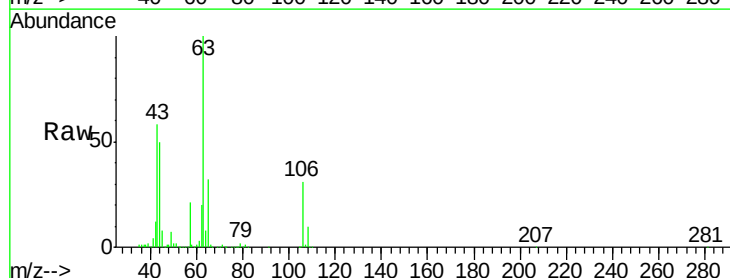
Acq: 02 Jun 2020 17:20

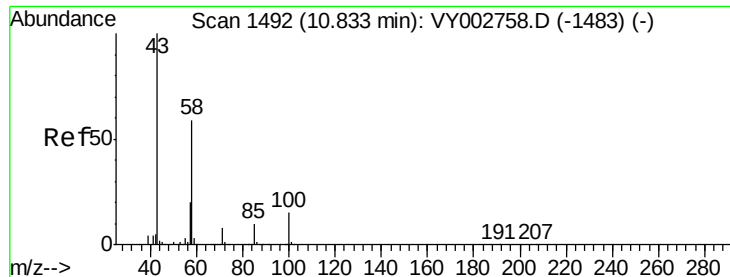
Tgt Ion: 63 Resp: 477618

Ion Ratio Lower Upper

63 100

106 31.2 25.4 38.2





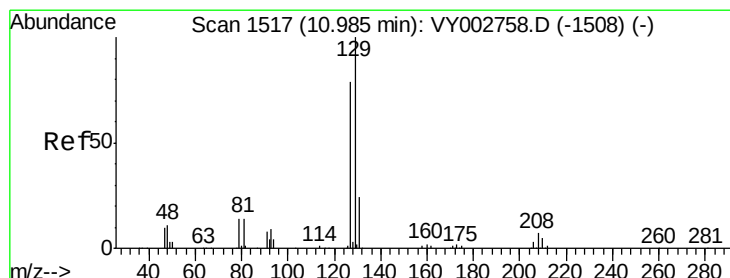
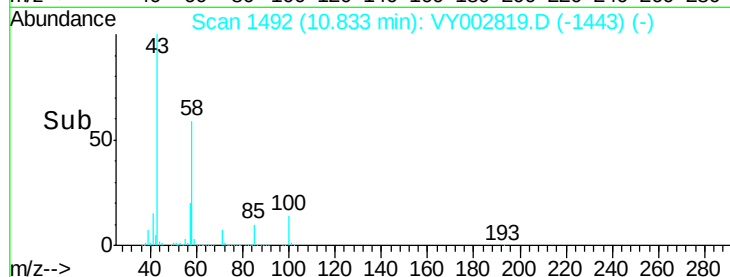
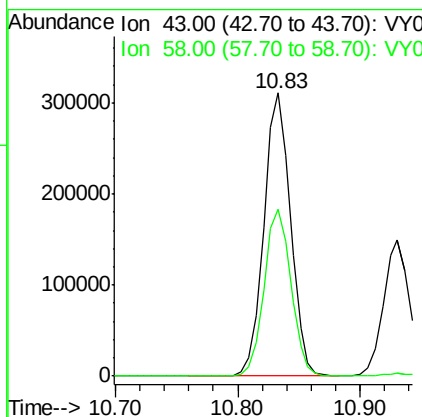
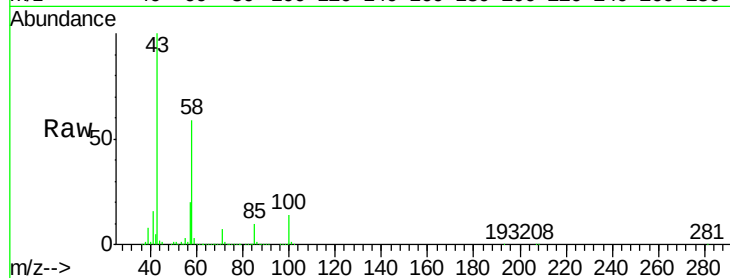
#59
2-Hexanone
Concen: 275.763 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VY002819.D
Acq: 02 Jun 2020 17:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 471962
Ion Ratio Lower Upper
43 100
58 59.4 29.5 88.5

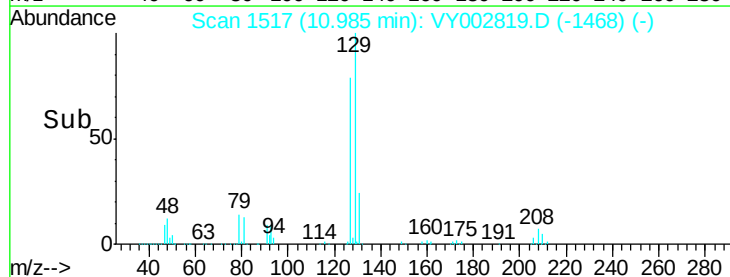
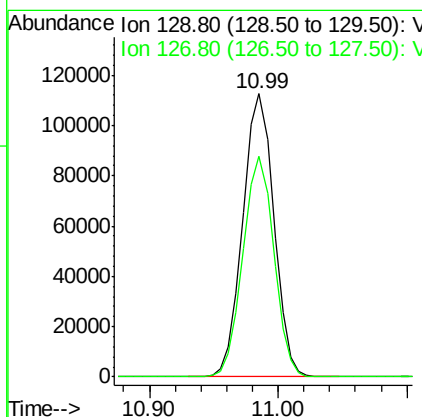
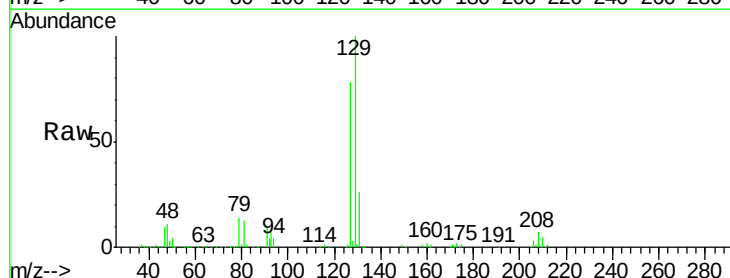
Manual Integrations
APPROVED

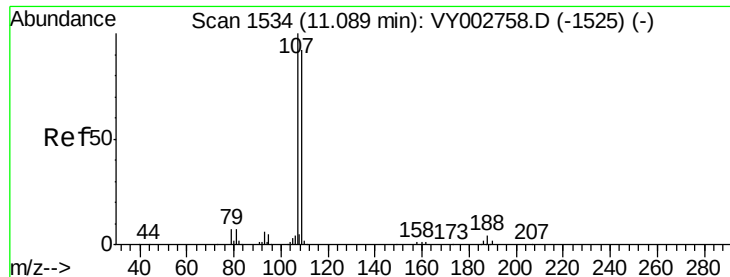
MMDadoda
6/3/2020 11:31:40 AM



#60
Dibromochloromethane
Concen: 52.105 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VY002819.D
Acq: 02 Jun 2020 17:20

Tgt Ion: 129 Resp: 188038
Ion Ratio Lower Upper
129 100
127 77.5 38.5 115.3





#61

1,2-Dibromoethane

Concen: 52.094 ug/l

RT: 11.09 min Scan# 1534

Delta R.T. 0.00 min

Lab File: VY002819.D

Acq: 02 Jun 2020 17:20

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 146277

Ion Ratio Lower Upper

107 100

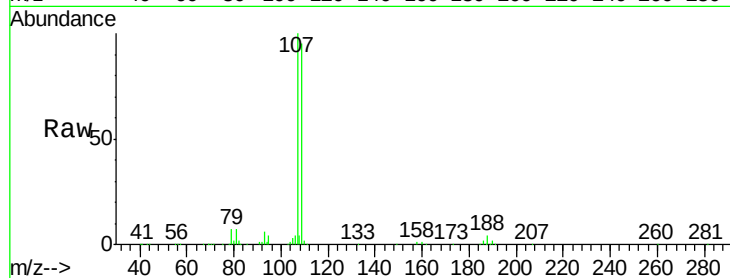
109 95.8 75.6 113.4

Manual Integrations

APPROVED

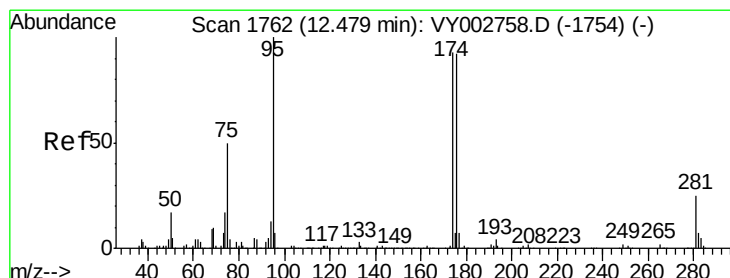
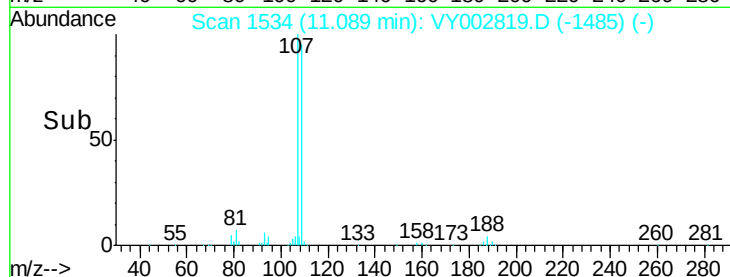
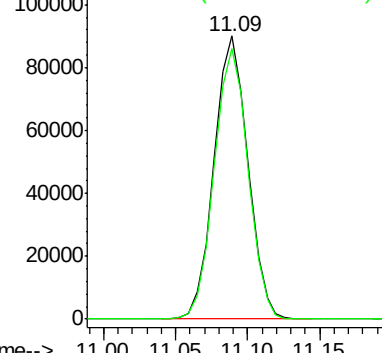
MMDadoda

6/3/2020 11:31:40 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.687 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY002819.D

Acq: 02 Jun 2020 17:20

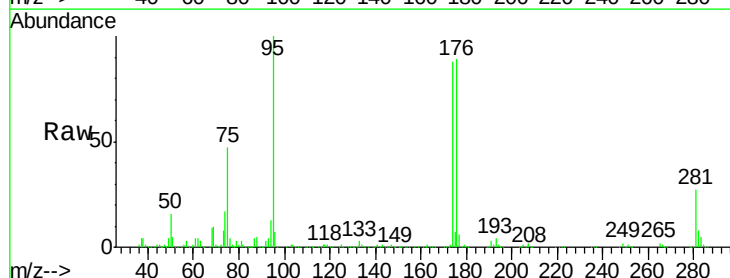
Tgt Ion: 95 Resp: 215284

Ion Ratio Lower Upper

95 100

174 93.2 0.0 191.2

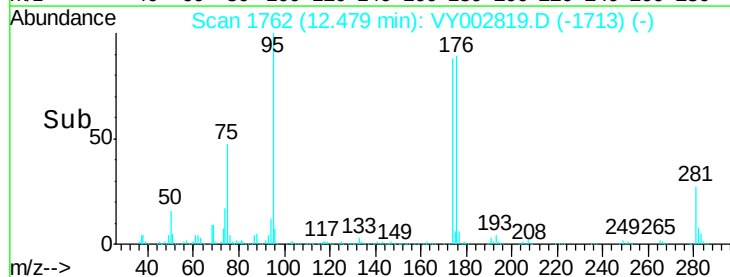
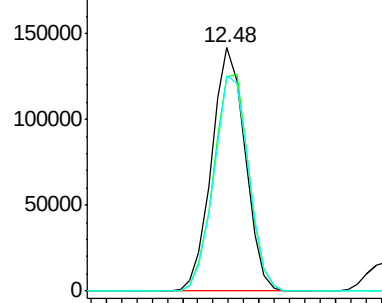
176 91.5 0.0 188.8

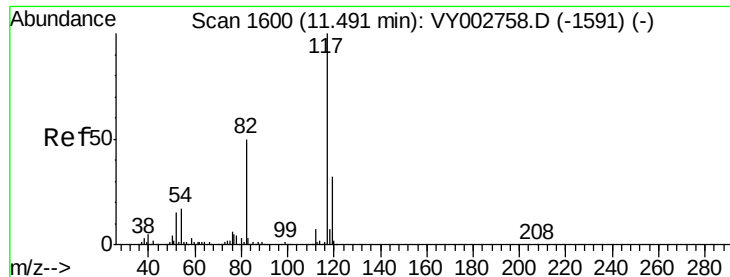


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





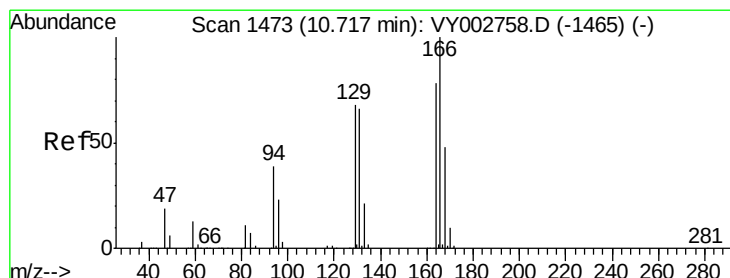
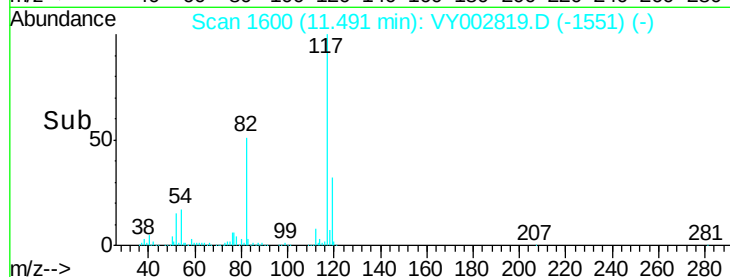
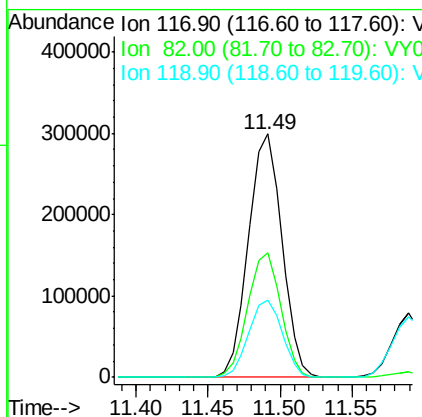
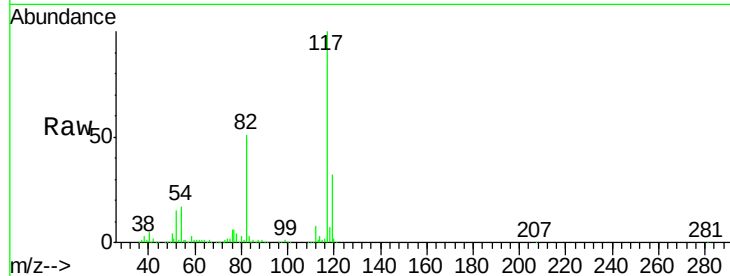
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY002819.D
Acq: 02 Jun 2020 17:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.9	40.2	60.4
119	31.7	25.8	38.8

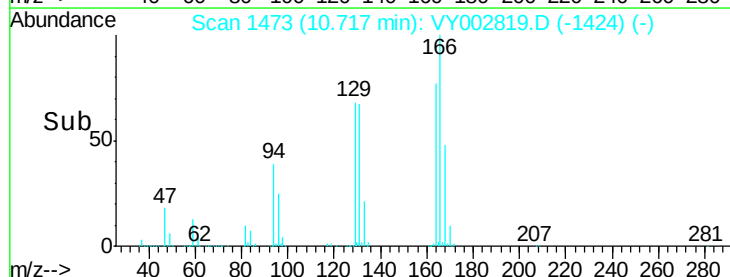
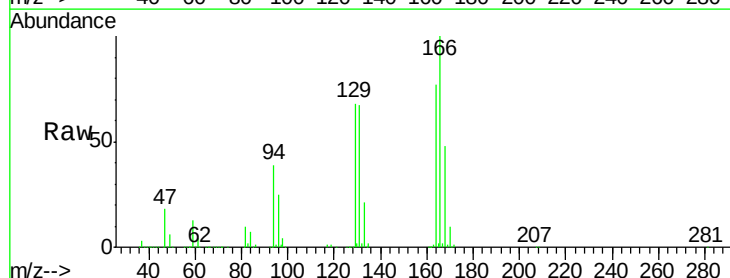
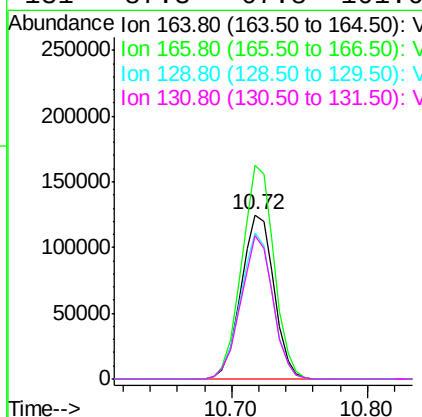
Manual Integrations
APPROVED

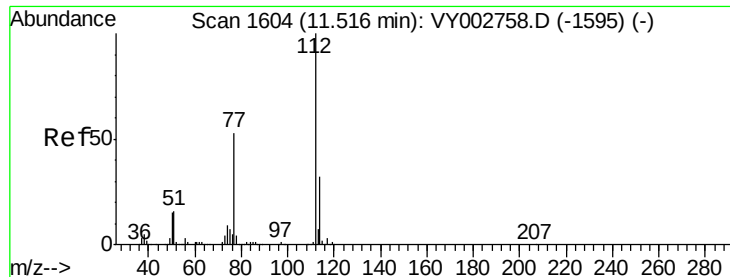
MMDadoda
6/3/2020 11:31:40 AM



#64
Tetrachloroethene
Concen: 48.226 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VY002819.D
Acq: 02 Jun 2020 17:20

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.1	102.3	153.5
129	89.0	69.4	104.2
131	87.3	67.8	101.6





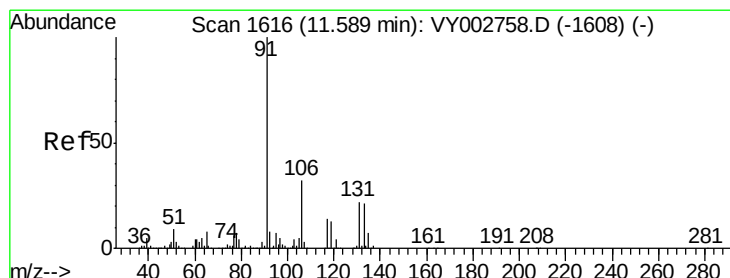
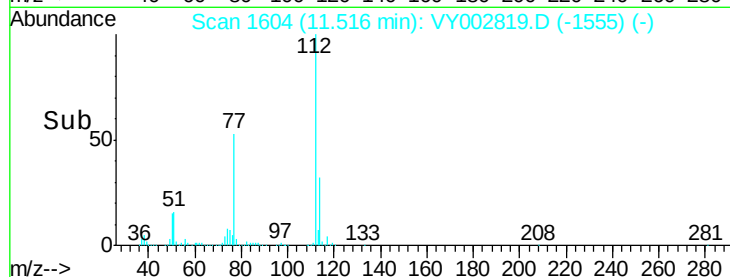
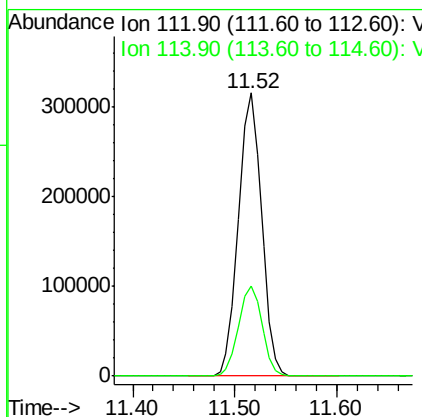
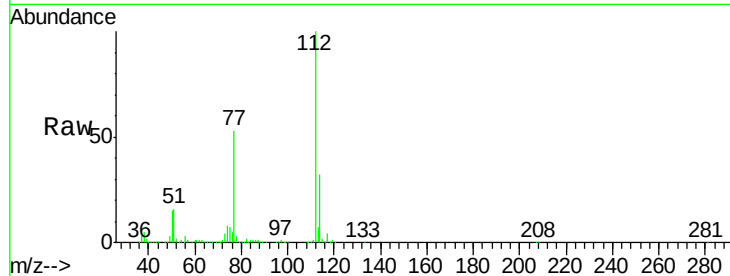
#65
Chlorobenzene
Concen: 52.059 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VY002819.D
Acq: 02 Jun 2020 17:20

Instrument :
MSVOA_Y
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.8	25.7	38.5

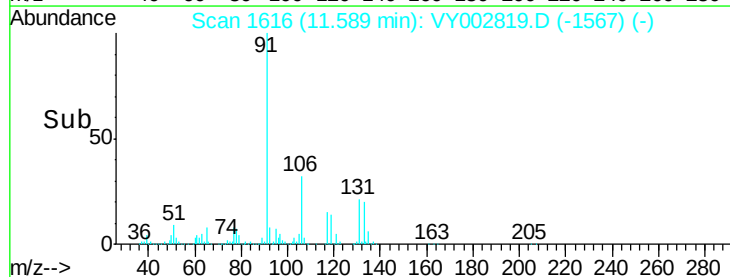
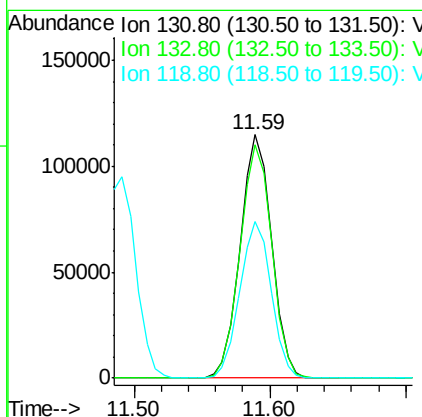
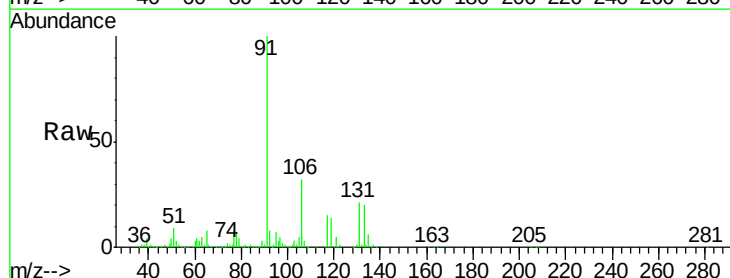
Manual Integrations
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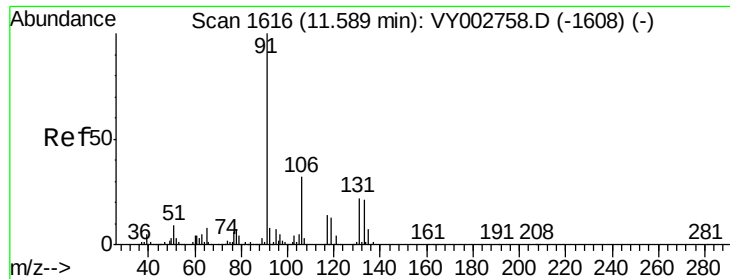
MMDadoda
6/3/2020 11:31:40 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.725 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VY002819.D
Acq: 02 Jun 2020 17:20

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.1	47.6	142.8
119	64.7	31.7	95.1





#67

Ethyl Benzene

Concen: 51.541 ug/l

RT: 11.59 min Scan# 1616

Delta R.T. 0.00 min

Lab File: VY002819.D

Acq: 02 Jun 2020 17:20

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 849655

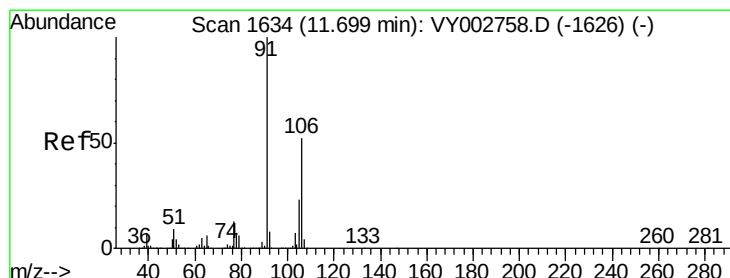
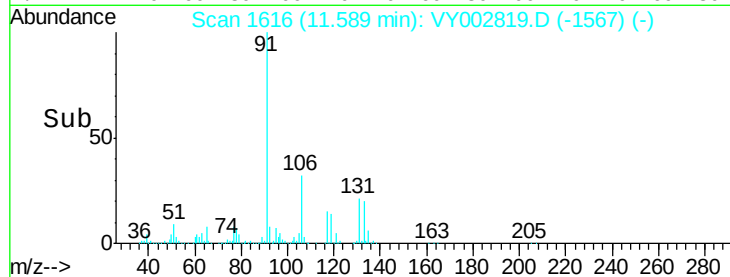
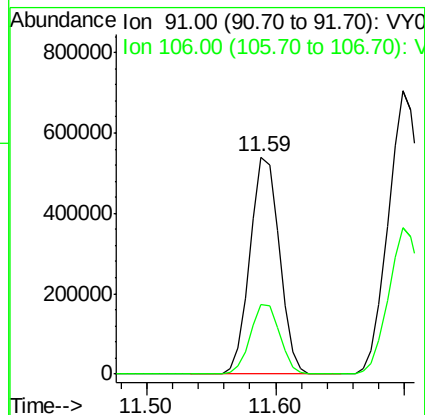
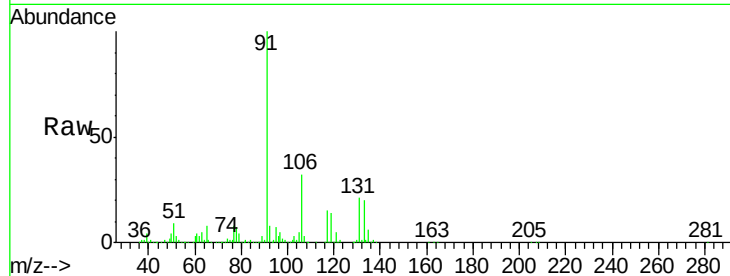
Ion Ratio Lower Upper

91 100

106 32.1 25.7 38.5

Manual Integrations
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#68

m/p-Xylenes

Concen: 102.658 ug/l

RT: 11.70 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VY002819.D

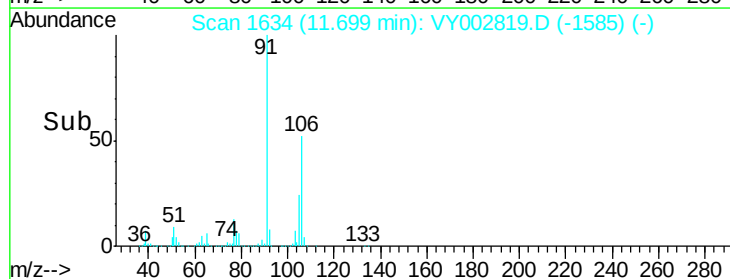
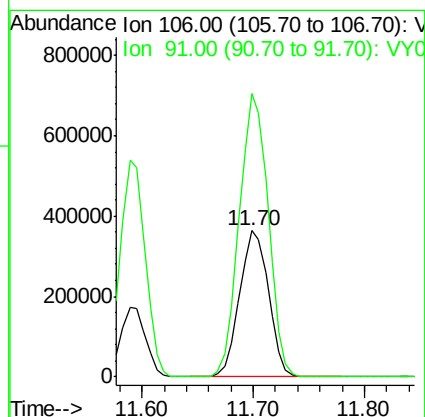
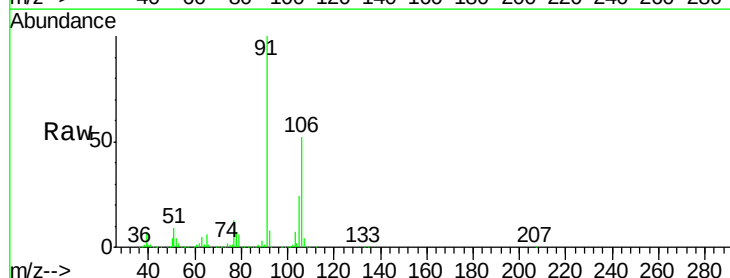
Acq: 02 Jun 2020 17:20

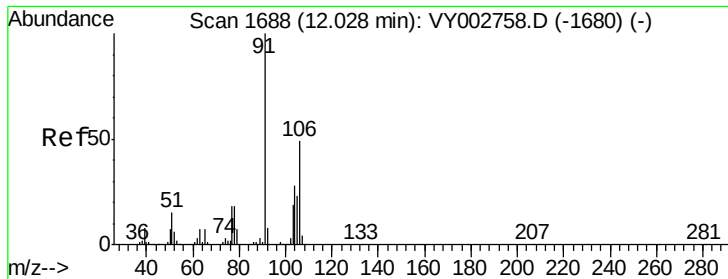
Tgt Ion: 106 Resp: 656141

Ion Ratio Lower Upper

106 100

91 193.8 156.0 234.0





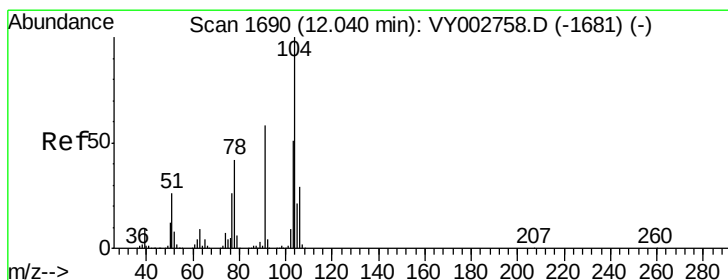
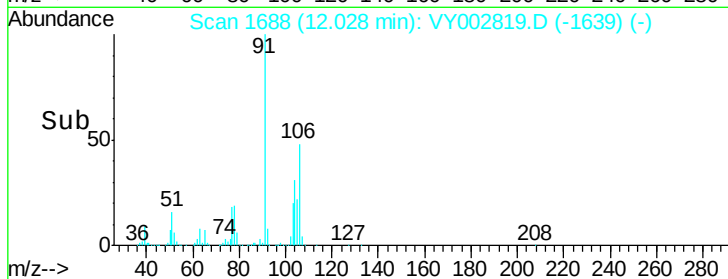
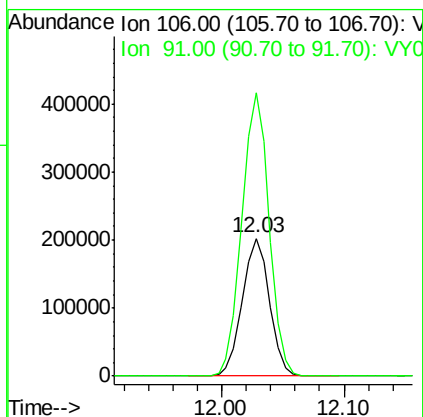
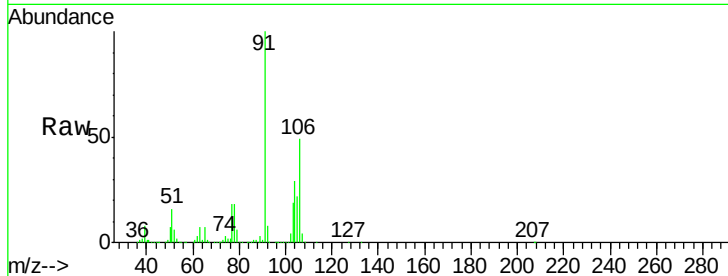
#69
o-Xylene
Concen: 51.600 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VY002819.D
Acq: 02 Jun 2020 17:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
106	106	100		
91	91	205.9	102.4	307.1

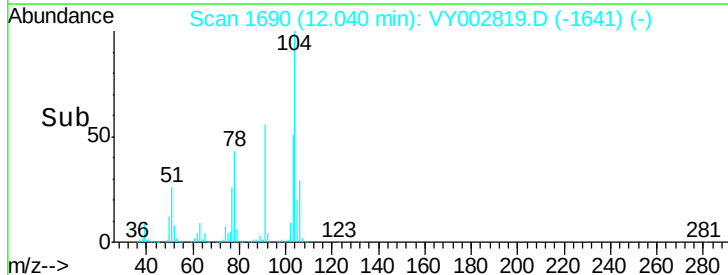
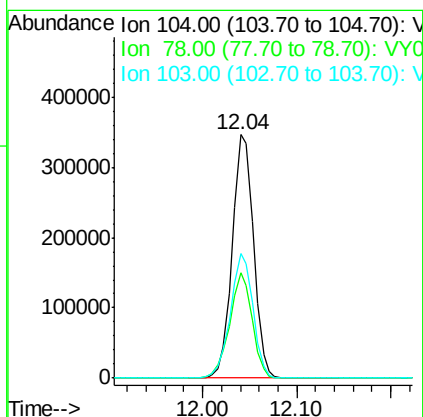
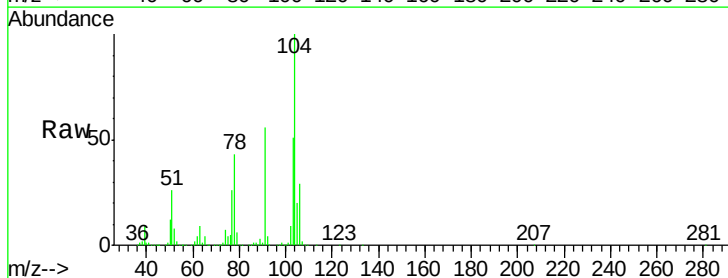
Manual Integrations
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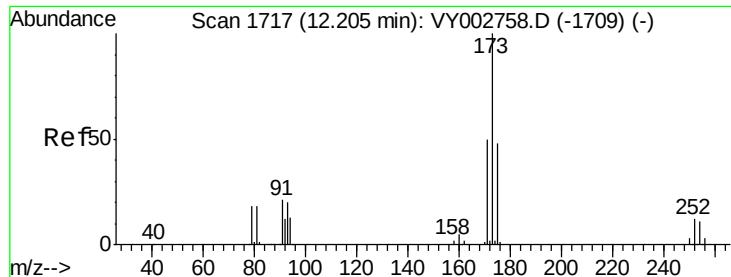
MMDadoda
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#70
Styrene
Concen: 51.898 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VY002819.D
Acq: 02 Jun 2020 17:20

Tgt Ion	Ion	Ratio	Lower	Upper
104	104	100		
78	78	45.6	36.2	54.4
103	103	54.2	43.6	65.4





#71

Bromoform

Concen: 52.681 ug/l

RT: 12.20 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VY002819.D

Acq: 02 Jun 2020 17:20

Instrument :

MSVOA_Y

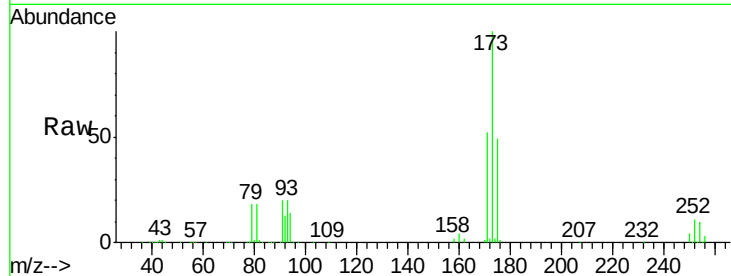
ClientSampleId :

VSTDCCC050EC

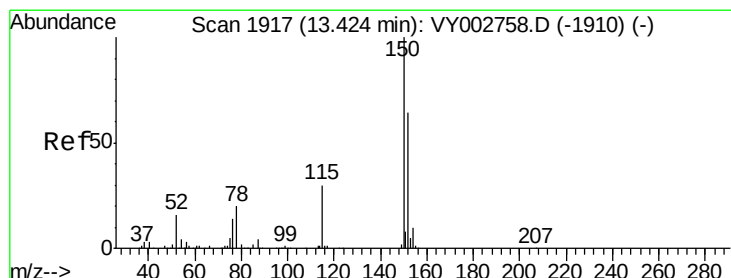
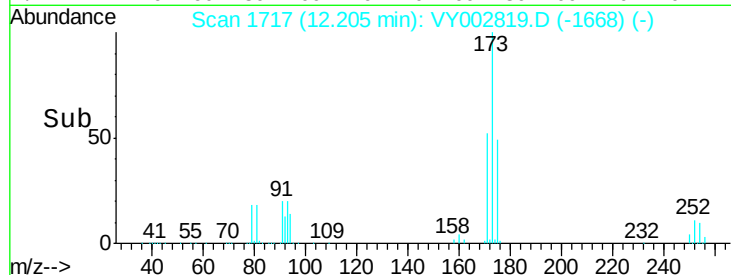
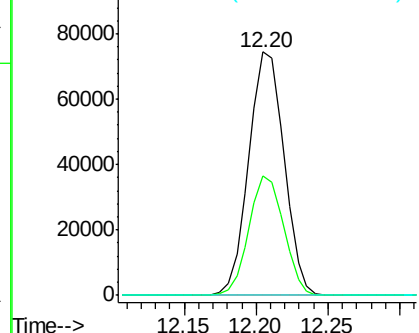
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.3	72.8
254	0.1	0.1	0.1

Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

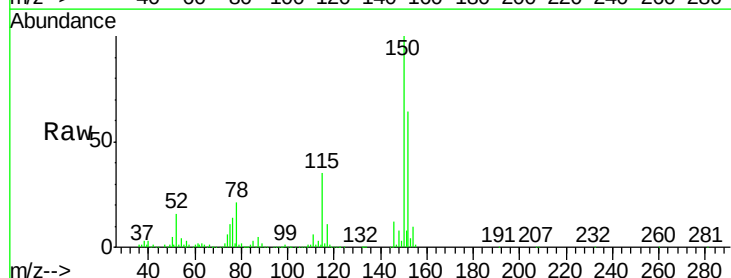
RT: 13.42 min Scan# 1917

Delta R.T. 0.00 min

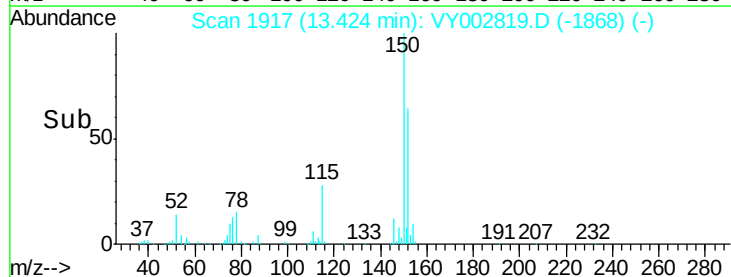
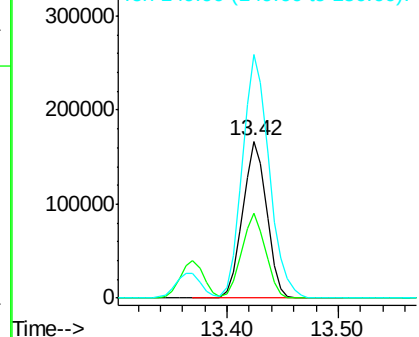
Lab File: VY002819.D

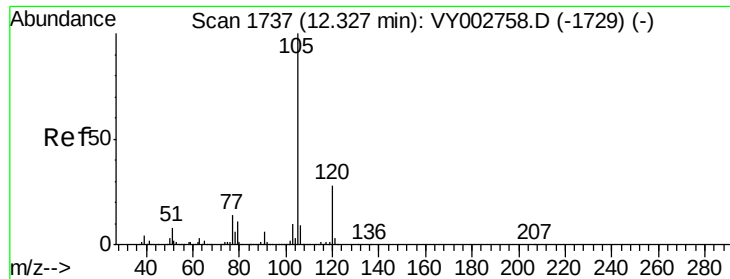
Acq: 02 Jun 2020 17:20

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.9	27.0	81.0
150	173.5	0.0	344.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





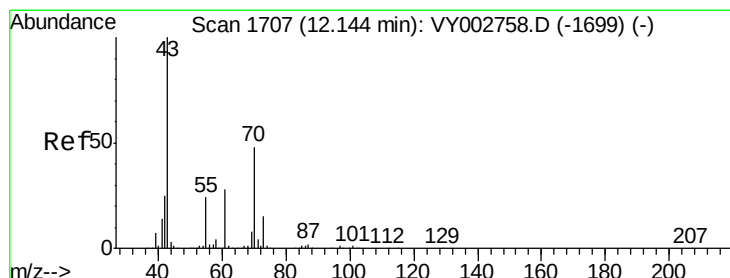
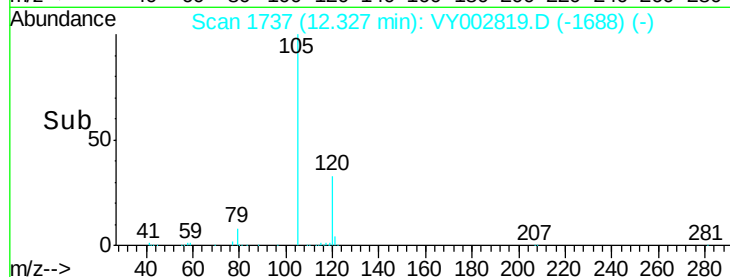
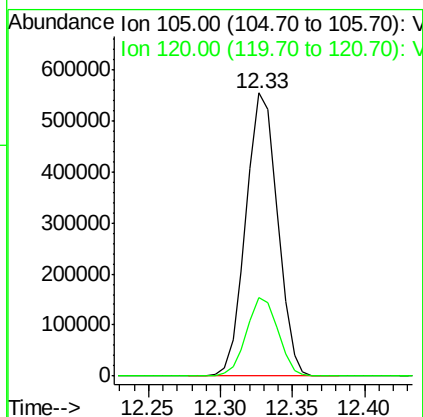
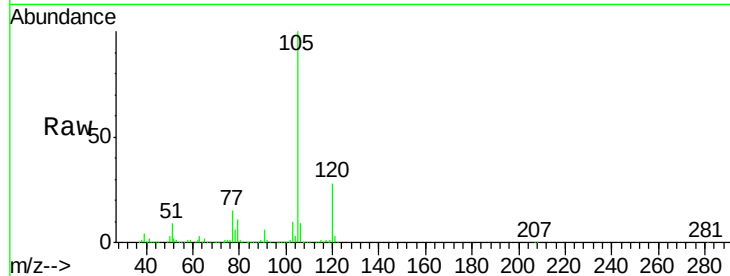
#73
Isopropylbenzene
Concen: 52.991 ug/l
RT: 12.33 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VY002819.D
Acq: 02 Jun 2020 17:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.5	13.7	41.1

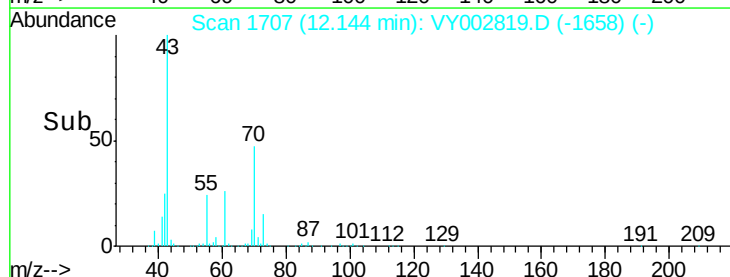
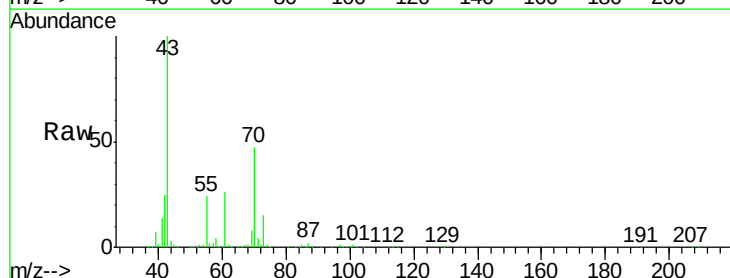
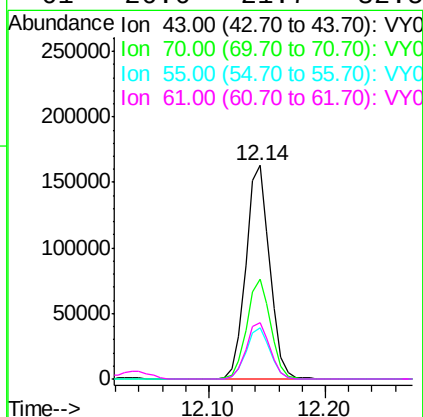
Manual Integrations
APPROVED

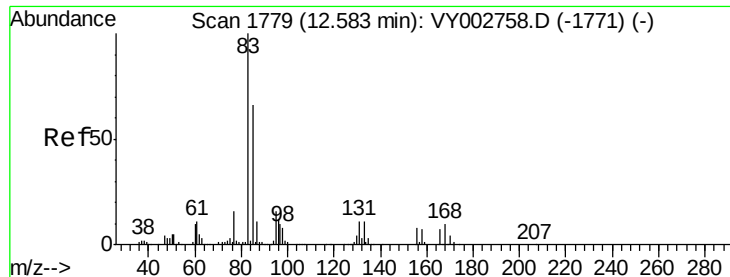
MMDadoda
6/3/2020 11:31:40 AM



#74
N-ethyl acetate
Concen: 56.797 ug/l
RT: 12.14 min Scan# 1707
Delta R.T. 0.00 min
Lab File: VY002819.D
Acq: 02 Jun 2020 17:20

Tgt Ion	Ratio	Lower	Upper
43	100		
70	46.6	37.7	56.5
55	24.0	19.8	29.6
61	26.6	21.7	32.5





#75

1,1,2,2-Tetrachloroethane

Concen: 58.114 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VY002819.D

Acq: 02 Jun 2020 17:20

Instrument :

MSVOA_Y

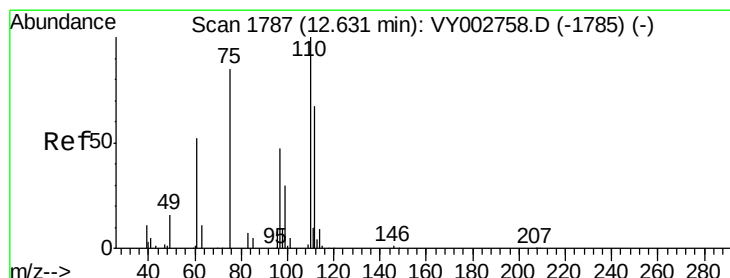
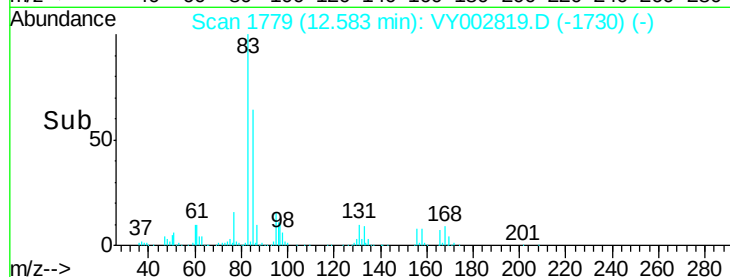
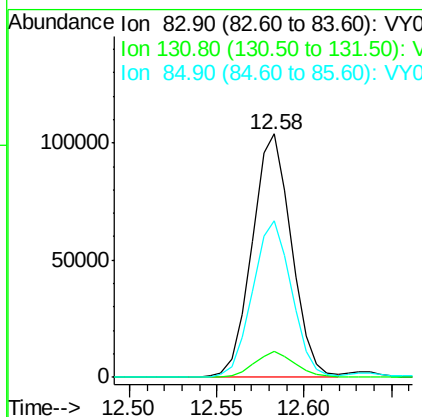
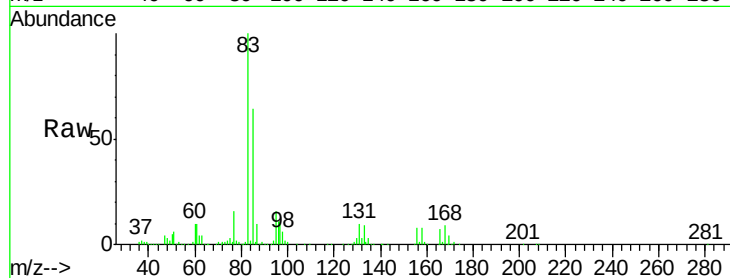
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	162208
Ion Ratio	Lower	Upper	
83	100		
131	11.1	5.8	17.4
85	63.9	32.6	98.0

Manual Integrations
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6/3/2020 11:31:40 AM



#76

1,2,3-Trichloropropane

Concen: 54.419 ug/l m

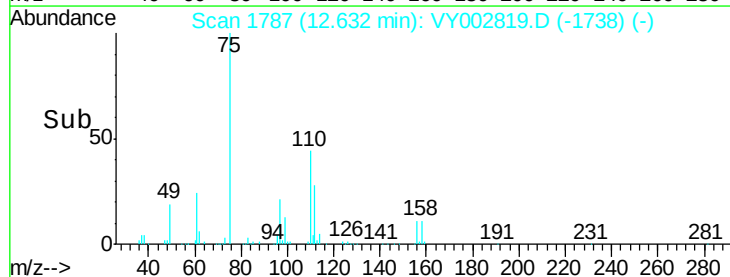
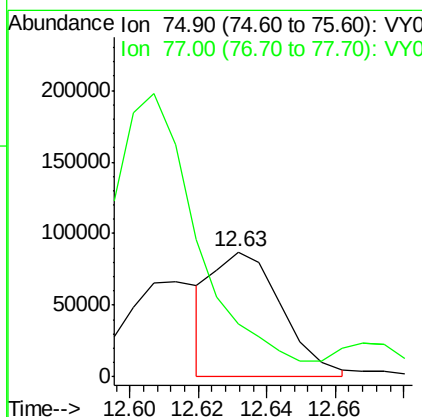
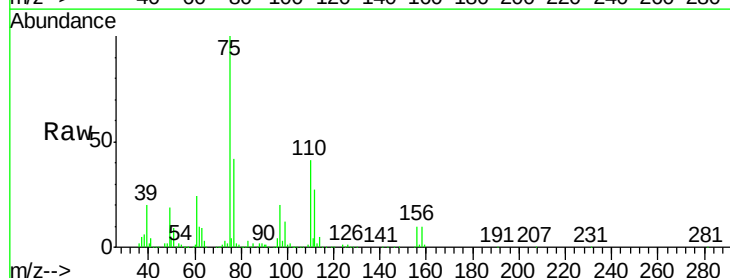
RT: 12.63 min Scan# 1787

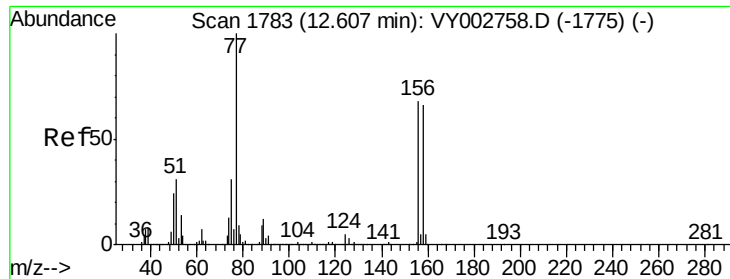
Delta R.T. 0.00 min

Lab File: VY002819.D

Acq: 02 Jun 2020 17:20

Tgt Ion:	75	Resp:	121725
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 52.376 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VY002819.D

Acq: 02 Jun 2020 17:20

Instrument :

MSVOA_Y

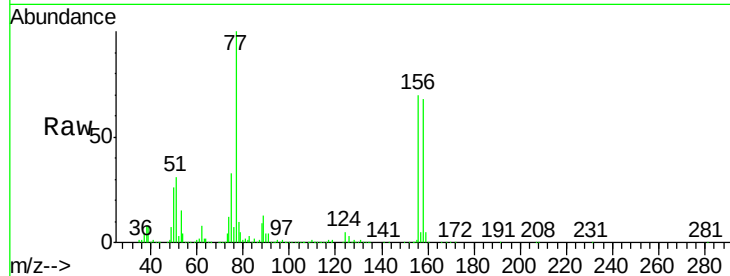
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	216956
Ion Ratio	Lower	Upper	
156	100		
77	165.4	81.4	244.2
158	97.1	48.5	145.6

Manual Integrations
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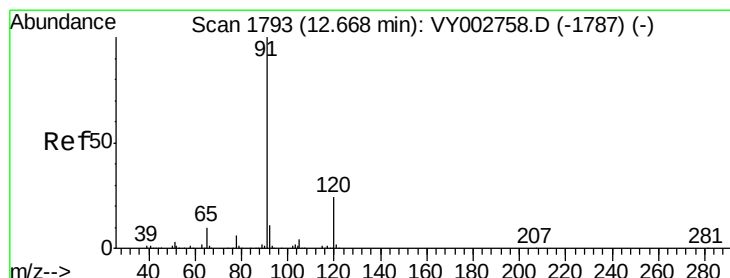
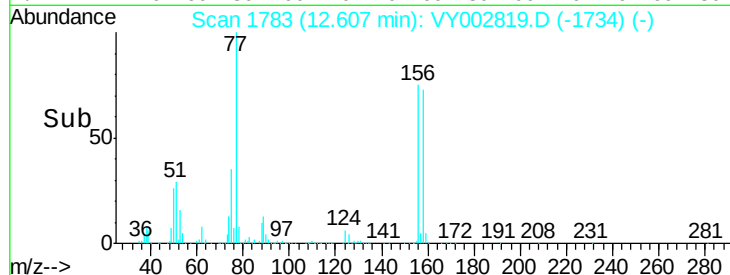
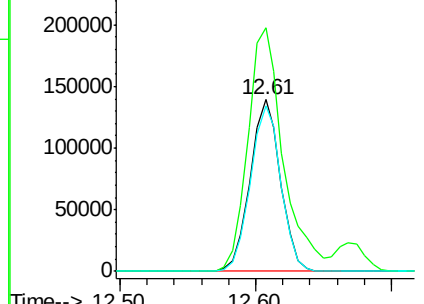
MMDadoda
6/3/2020 11:31:40 AM



Abundance Ion 155.80 (155.50 to 156.50): VY002819.D (-1734) (-)

Ion 77.00 (76.70 to 77.70): VY002819.D (-1734) (-)

Ion 157.80 (157.50 to 158.50): VY002819.D (-1734) (-)



#78

n-propylbenzene

Concen: 53.698 ug/l

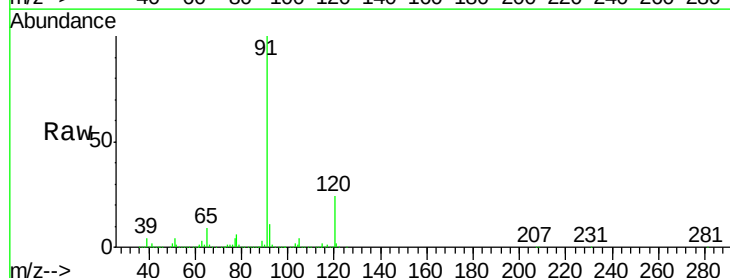
RT: 12.67 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VY002819.D

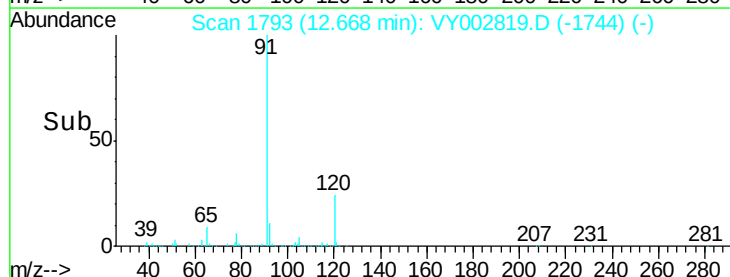
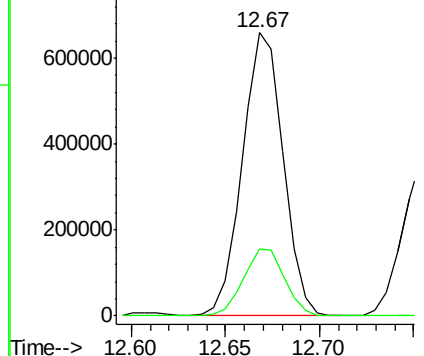
Acq: 02 Jun 2020 17:20

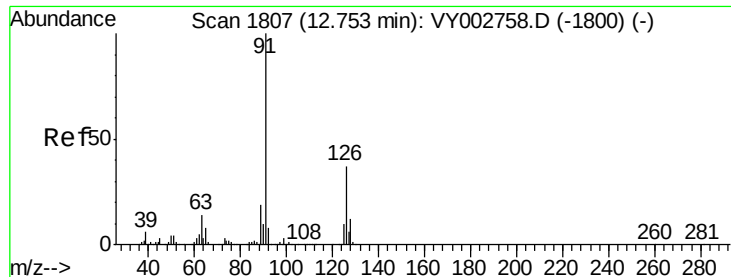
Tgt Ion:	91	Resp:	986757
Ion Ratio	Lower	Upper	
91	100		
120	23.9	12.3	36.9



Abundance Ion 91.00 (90.70 to 91.70): VY002819.D (-1744) (-)

Ion 120.00 (119.70 to 120.70): VY002819.D (-1744) (-)





#79

2-Chlorotoluene

Concen: 53.114 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VY002819.D

Acq: 02 Jun 2020 17:20

Instrument :

MSVOA_Y

ClientSampled :

VSTDCCC050EC

Tot Ion: 91 Resp: 547496

Ion Ratio Lower Upper

91 100

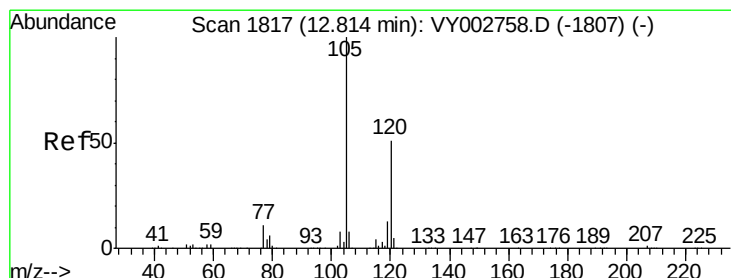
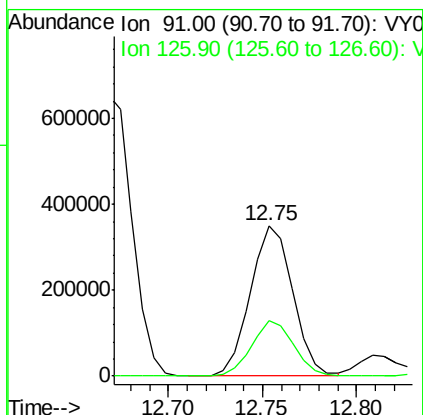
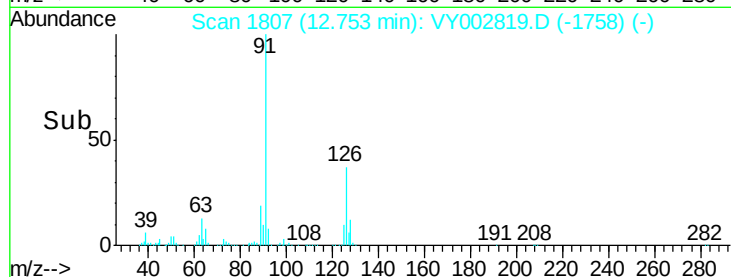
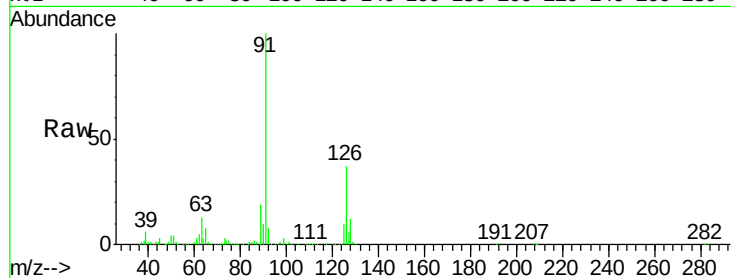
126 36.5 18.4 55.4

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 52.714 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. -0.01 min

Lab File: VY002819.D

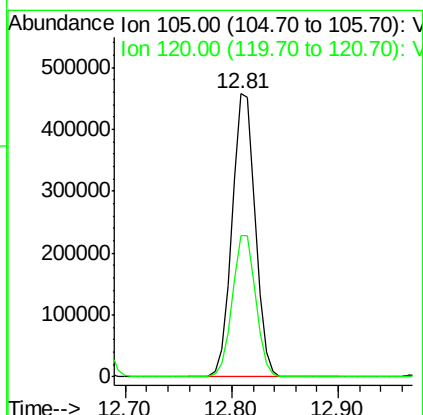
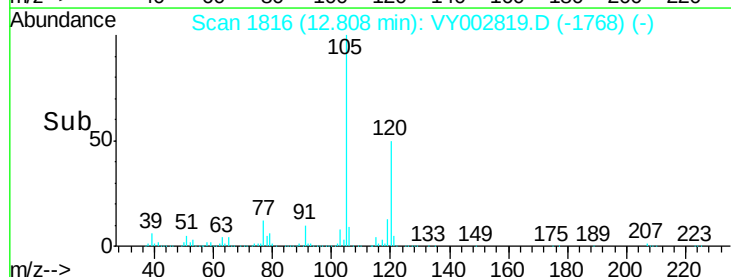
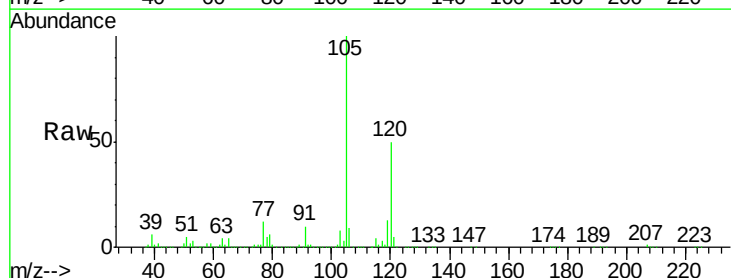
Acq: 02 Jun 2020 17:20

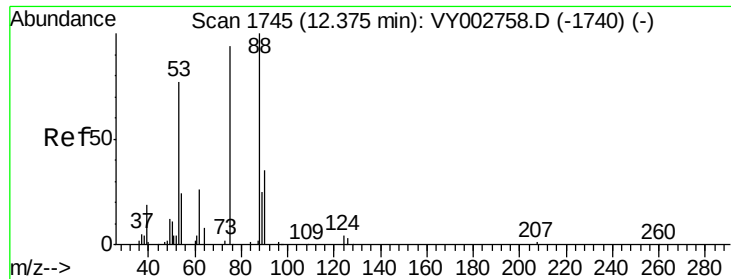
Tgt Ion: 105 Resp: 700186

Ion Ratio Lower Upper

105 100

120 50.5 25.3 75.8





#81

trans-1,4-Dichloro-2-butene

Concen: 55.113 ug/l

RT: 12.38 min Scan# 1745

Delta R.T. 0.00 min

Lab File: VY002819.D

Acq: 02 Jun 2020 17:20

Instrument :

MSVOA_Y

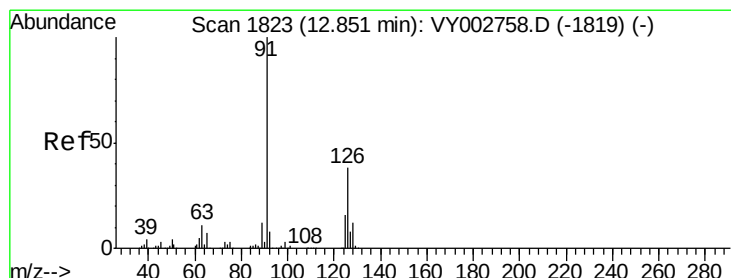
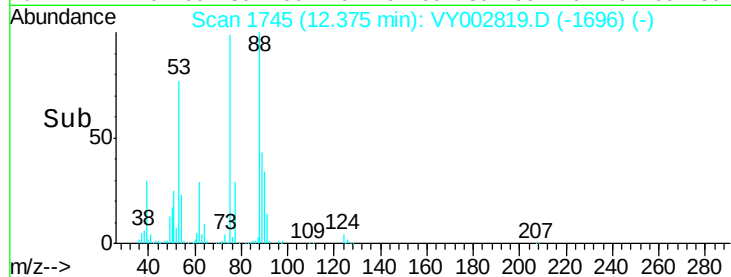
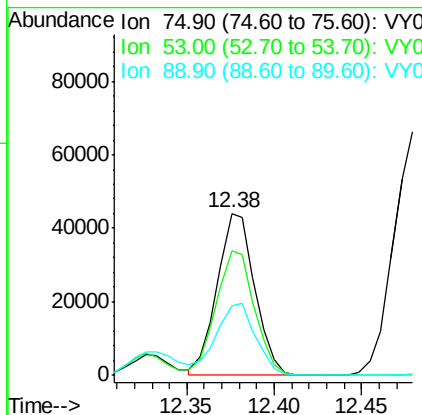
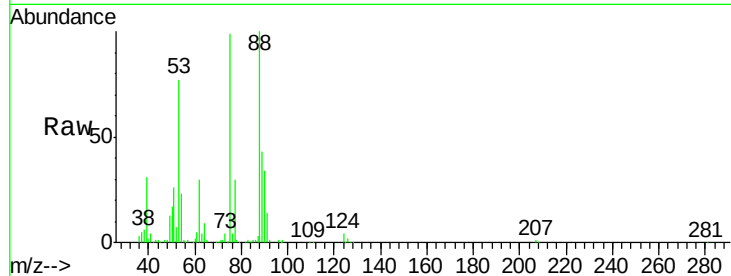
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	65434
Ion	Ratio	Lower	Upper
75	100		
53	79.6	64.0	96.0
89	47.3	37.4	56.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 52.302 ug/l

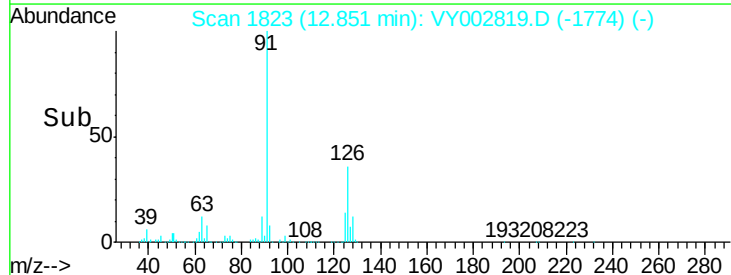
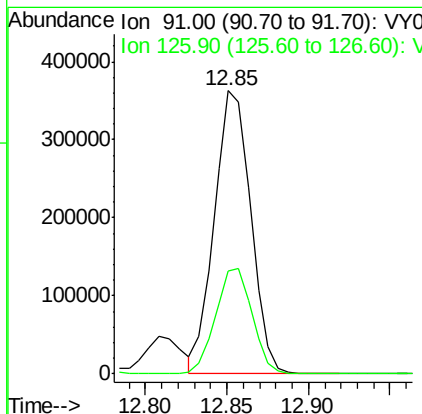
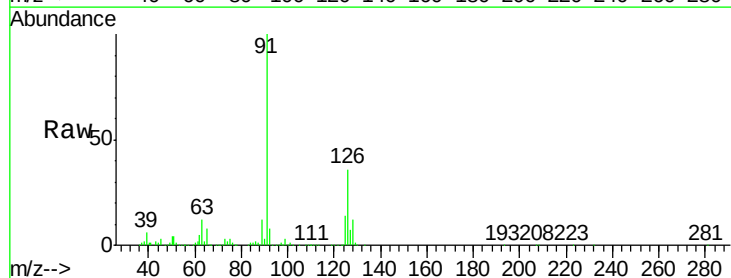
RT: 12.85 min Scan# 1823

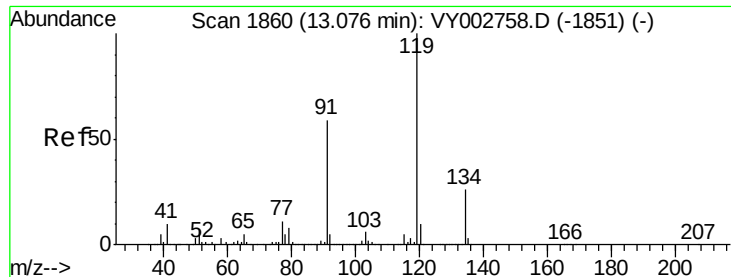
Delta R.T. 0.00 min

Lab File: VY002819.D

Acq: 02 Jun 2020 17:20

Tgt Ion:	91	Resp:	564856
Ion	Ratio	Lower	Upper
91	100		
126	37.4	18.5	55.5





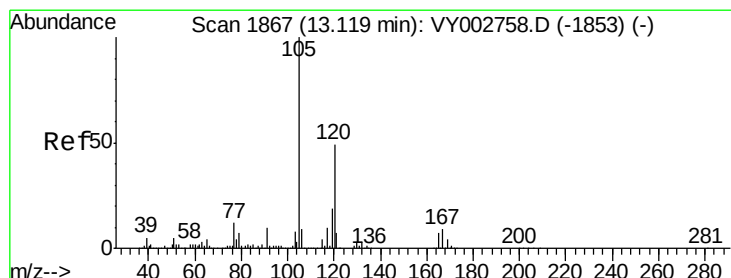
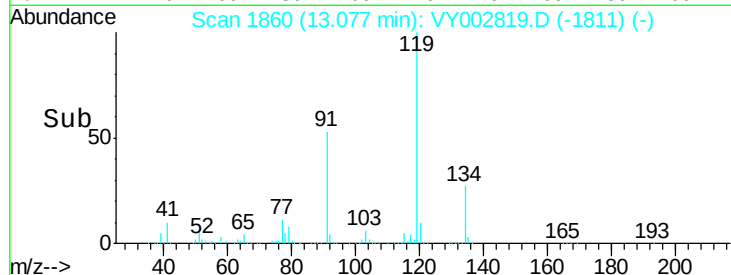
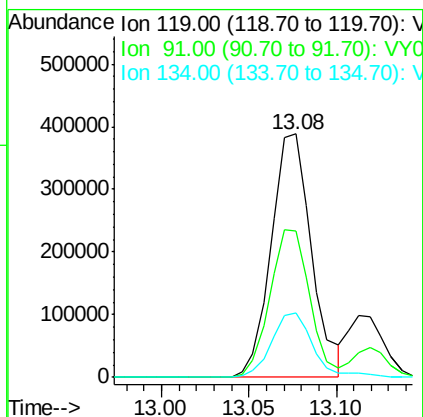
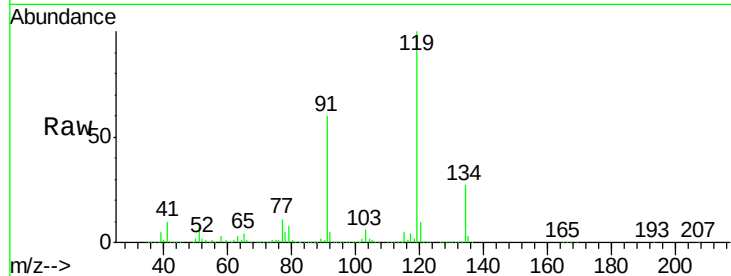
#83
 tert-Butylbenzene
 Concen: 52.962 ug/l
 RT: 13.08 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VY002819.D
 Acq: 02 Jun 2020 17:20

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	59.8	29.8	89.4
134	27.1	13.3	39.8

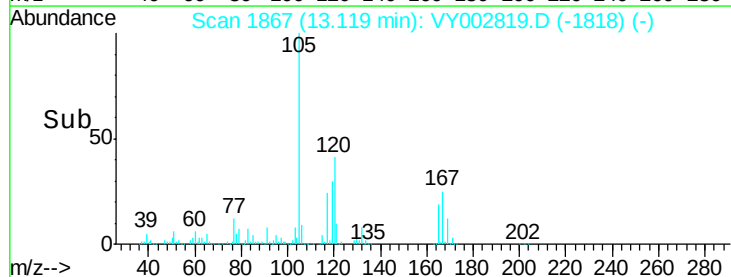
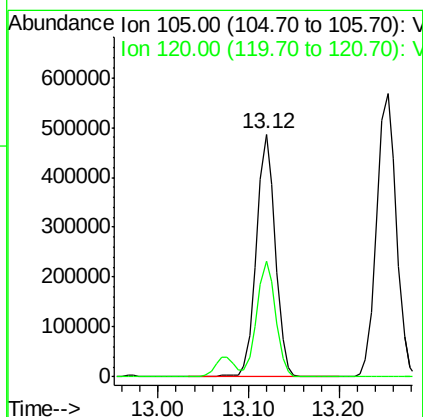
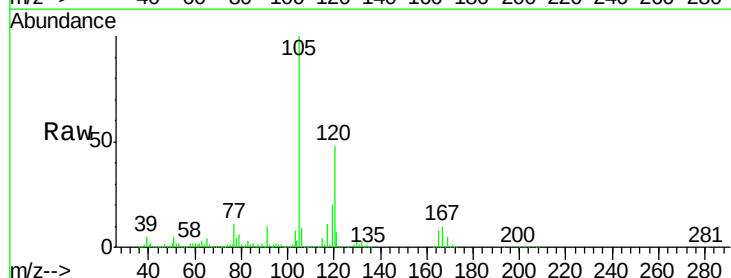
Manual Integrations
 APPROVED

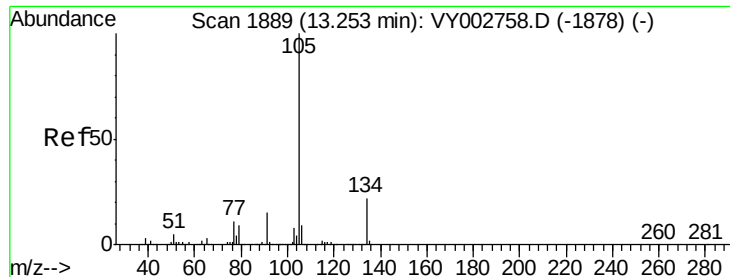
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 52.547 ug/l
 RT: 13.12 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VY002819.D
 Acq: 02 Jun 2020 17:20

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.3	23.6	70.8





#85

sec-Butylbenzene

Concen: 52.683 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. 0.00 min

Lab File: VY002819.D

Acq: 02 Jun 2020 17:20

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 853476

Ion Ratio Lower Upper

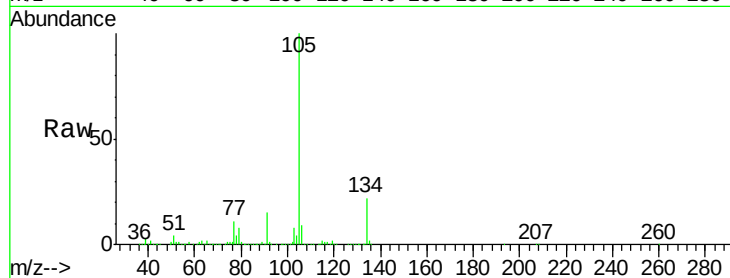
105 100

134 21.5 10.8 32.4

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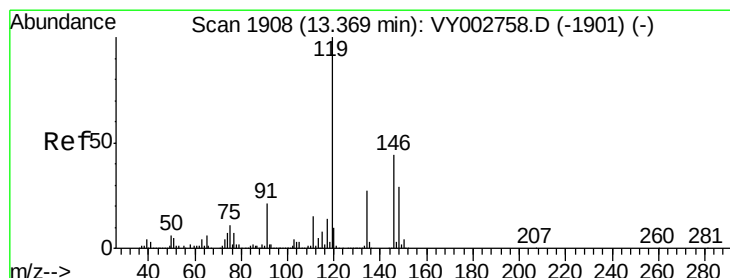
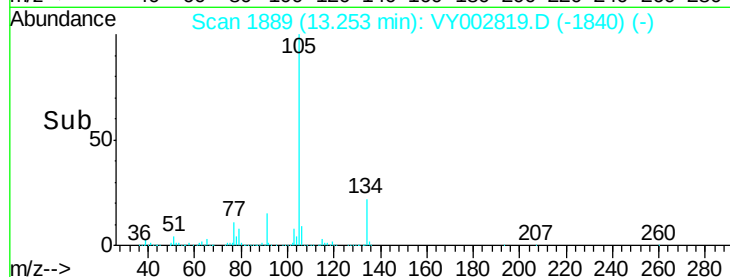
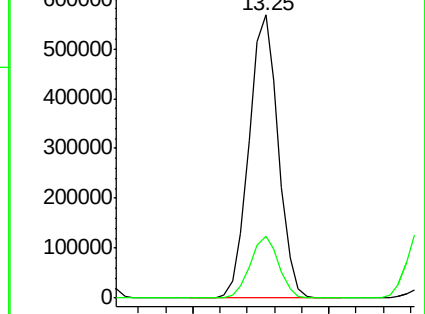
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 52.588 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. 0.00 min

Lab File: VY002819.D

Acq: 02 Jun 2020 17:20

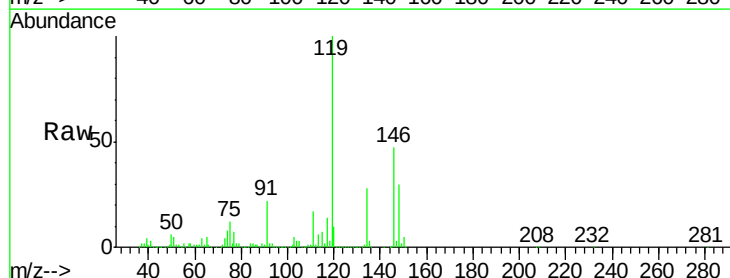
Tgt Ion:119 Resp: 792733

Ion Ratio Lower Upper

119 100

134 27.2 13.7 41.0

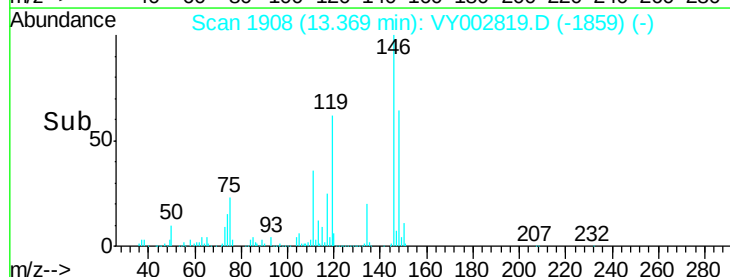
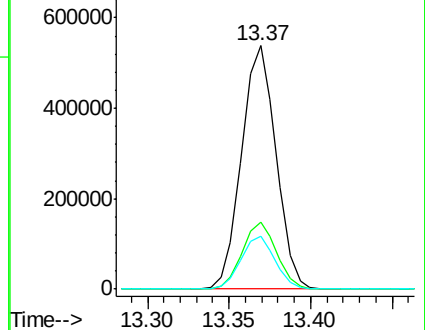
91 21.5 10.8 32.4

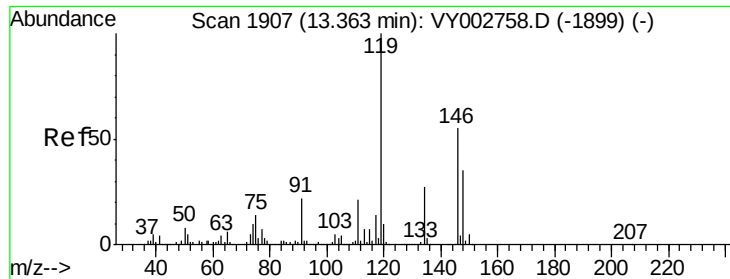


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0





#87

1,3-Dichlorobenzene

Concen: 51.821 ug/l

RT: 13.36 min Scan# 1907

Delta R.T. 0.00 min

Lab File: VY002819.D

Acq: 02 Jun 2020 17:20

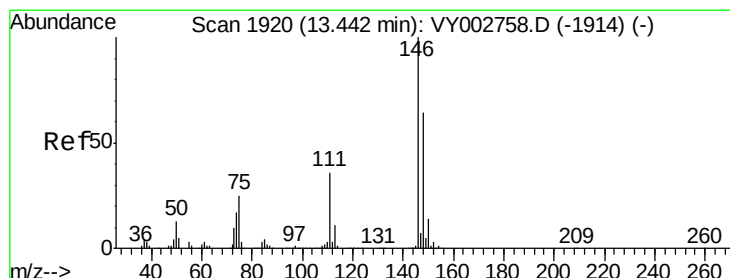
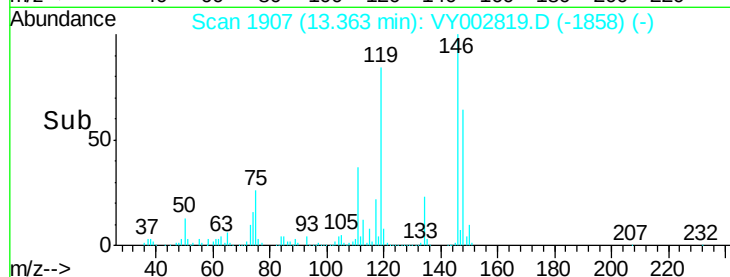
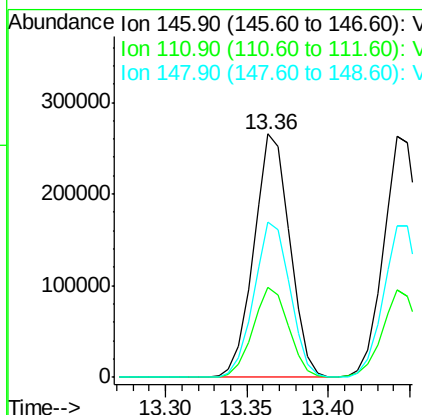
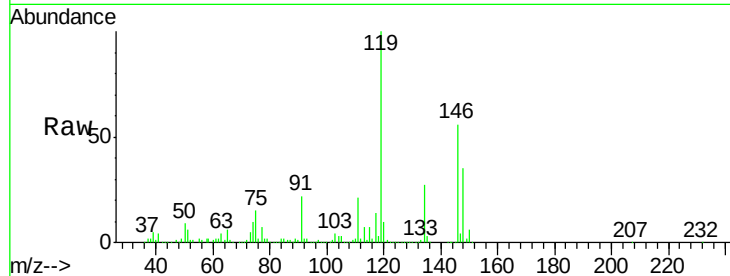
Instrument :
MSVOA_Y

ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.4	55.0
148	64.3	31.9	95.7

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 51.786 ug/l

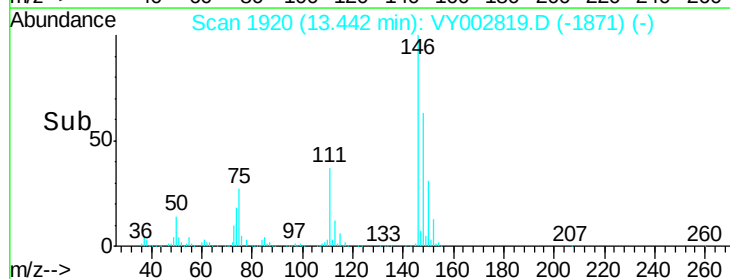
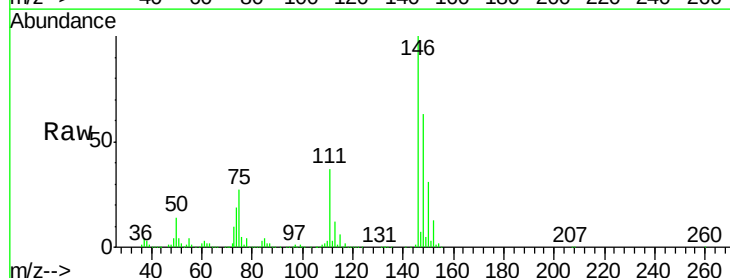
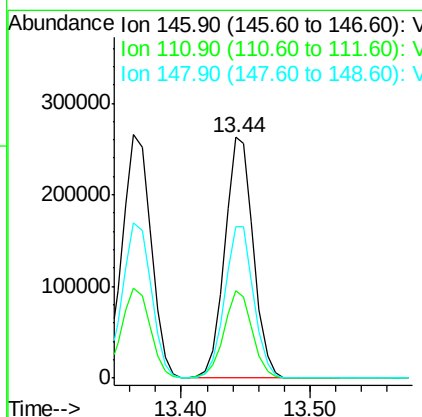
RT: 13.44 min Scan# 1920

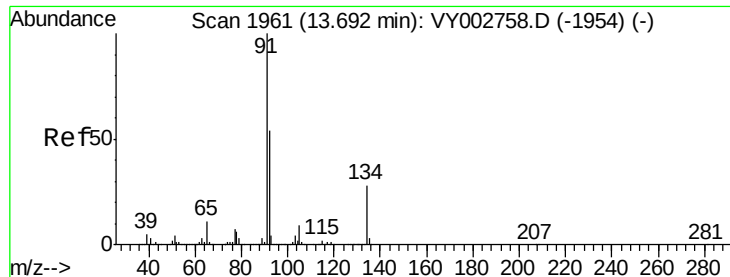
Delta R.T. 0.00 min

Lab File: VY002819.D

Acq: 02 Jun 2020 17:20

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.0	18.1	54.3
148	63.7	32.1	96.3





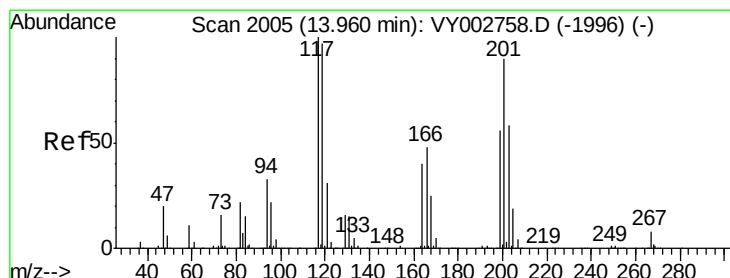
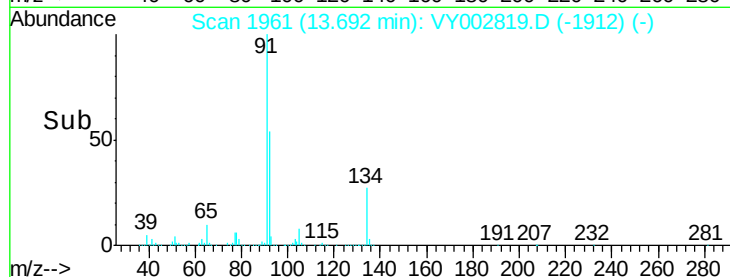
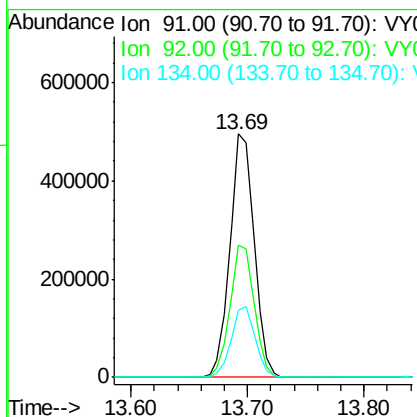
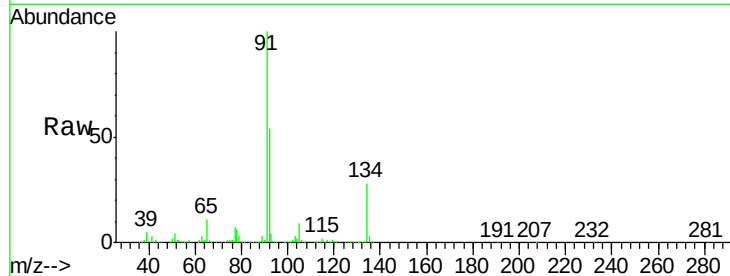
#89
n-Butylbenzene
Concen: 52.583 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. 0.00 min
Lab File: VY002819.D
Acq: 02 Jun 2020 17:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.2	27.1	81.2
134	28.7	14.3	42.9

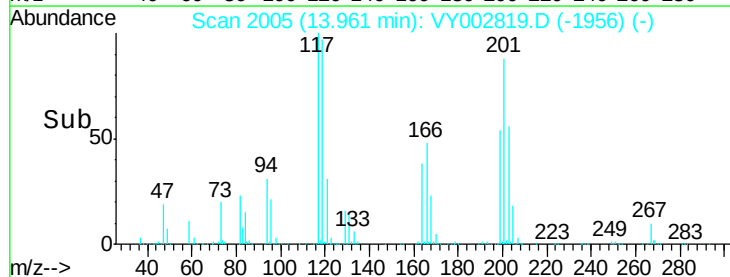
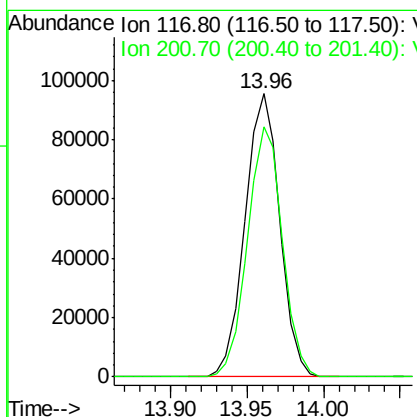
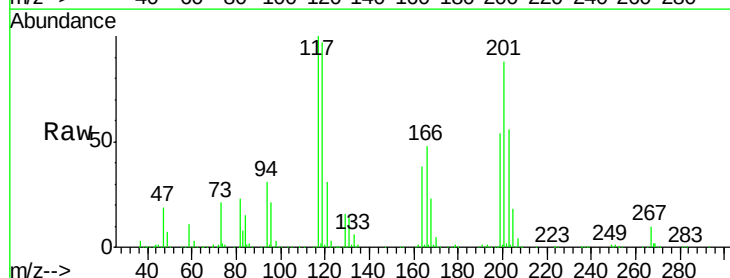
Manual Integrations
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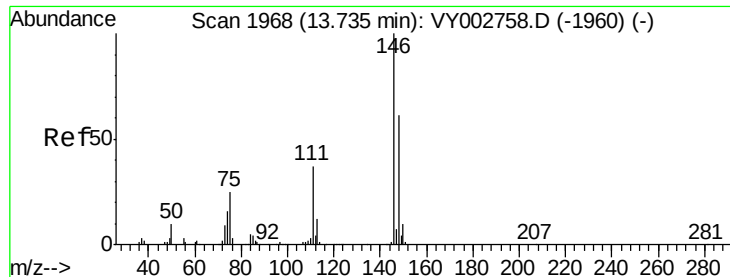
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#90
Hexachloroethane
Concen: 53.230 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. 0.00 min
Lab File: VY002819.D
Acq: 02 Jun 2020 17:20

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.7	43.9	131.6





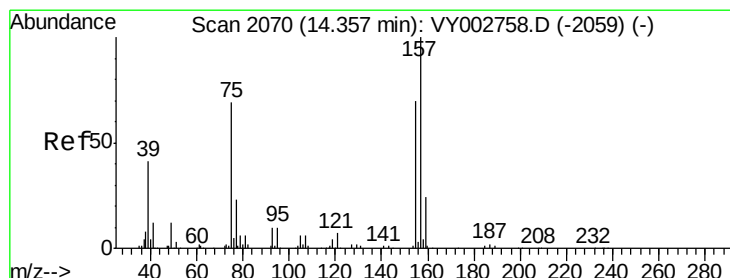
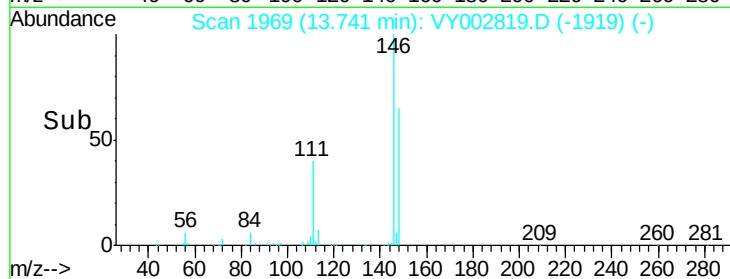
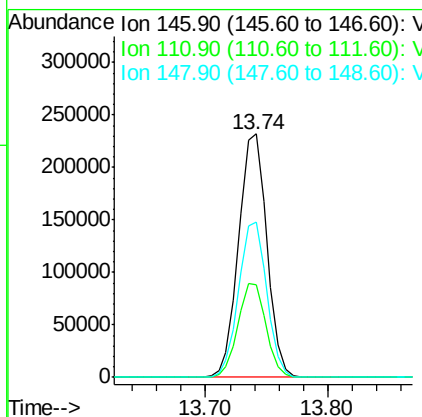
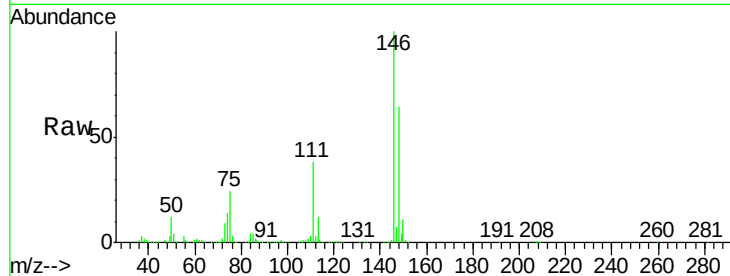
#91
 1,2-Dichlorobenzene
 Concen: 52.193 ug/l
 RT: 13.74 min Scan# 1969
 Delta R.T. 0.01 min
 Lab File: VY002819.D
 Acq: 02 Jun 2020 17:20

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	18.9	56.9
148	63.5	31.9	95.5

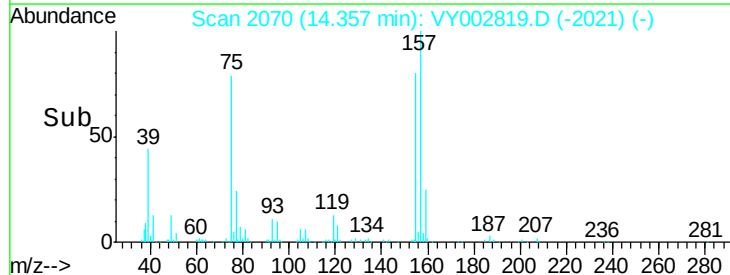
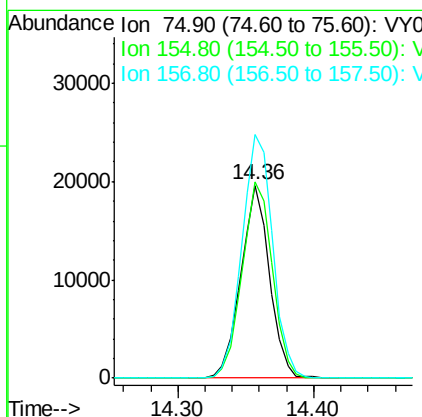
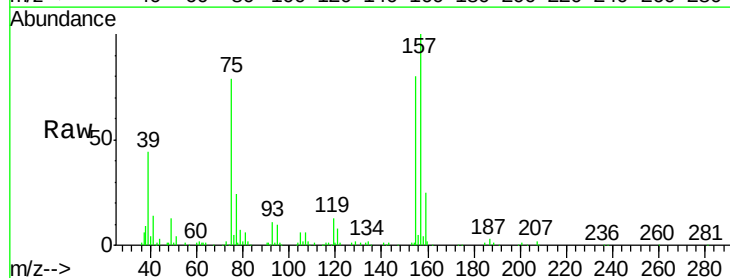
Manual Integrations
 APPROVED

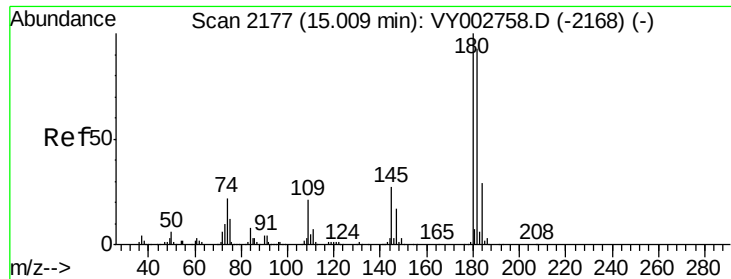
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 6/3/2020 11:31:40 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.739 ug/l
 RT: 14.36 min Scan# 2070
 Delta R.T. 0.00 min
 Lab File: VY002819.D
 Acq: 02 Jun 2020 17:20

Tgt Ion	Ratio	Lower	Upper
75	100		
155	107.2	53.5	160.5
157	135.7	69.9	209.7





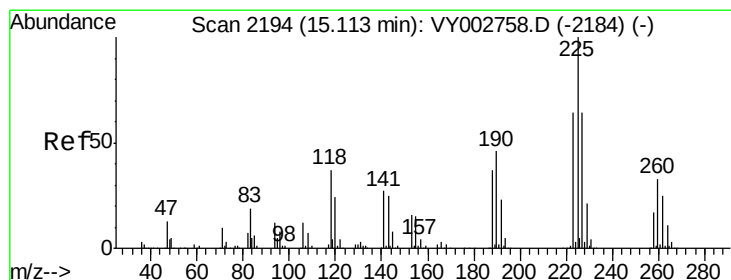
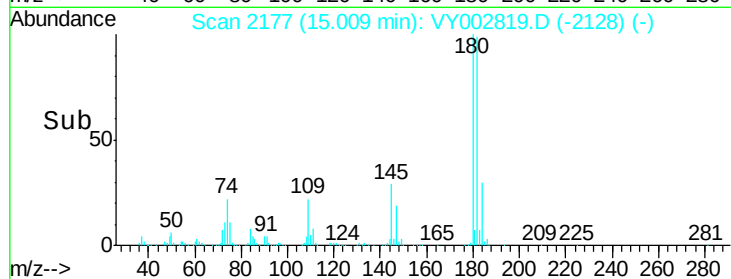
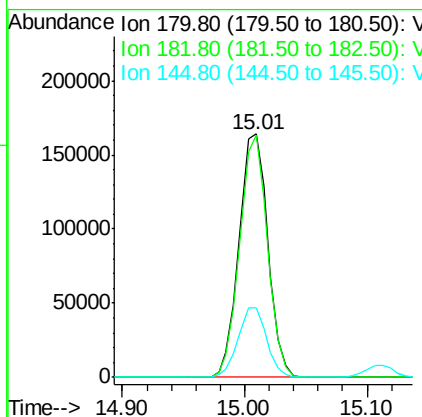
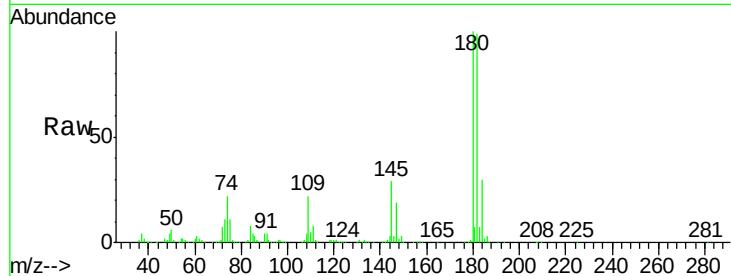
#93
 1,2,4-Trichlorobenzene
 Concen: 49.982 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VY002819.D
 Acq: 02 Jun 2020 17:20

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	268083		
182	95.7	47.3	141.9	
145	28.4	14.1	42.3	

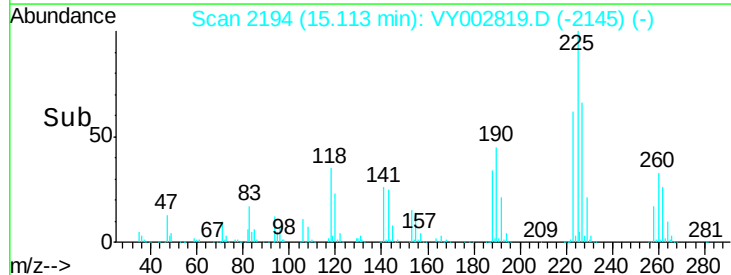
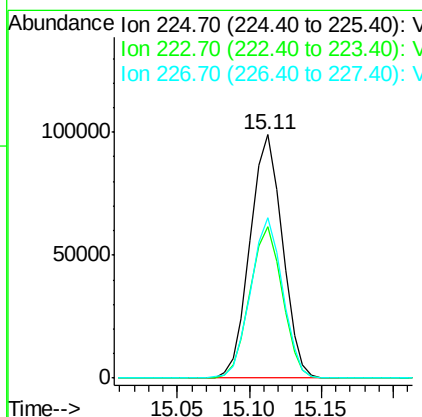
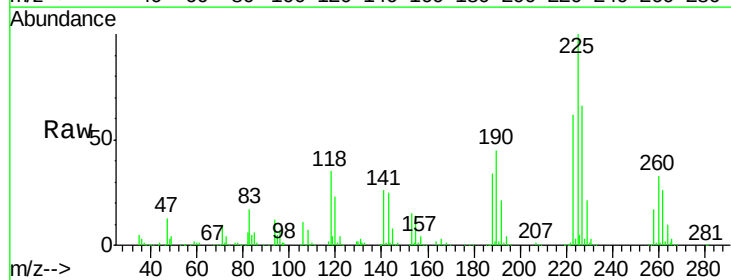
Manual Integrations
 APPROVED

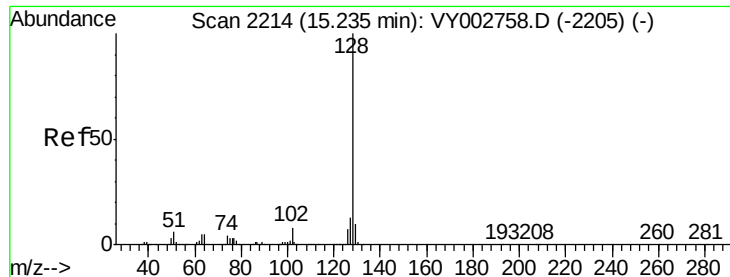
MMDadoda
 6/3/2020 11:31:40 AM



#94
 Hexachlorobutadiene
 Concen: 50.577 ug/l
 RT: 15.11 min Scan# 2194
 Delta R.T. 0.00 min
 Lab File: VY002819.D
 Acq: 02 Jun 2020 17:20

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	153861		
223	62.4	31.6	95.0	
227	64.9	32.3	96.9	





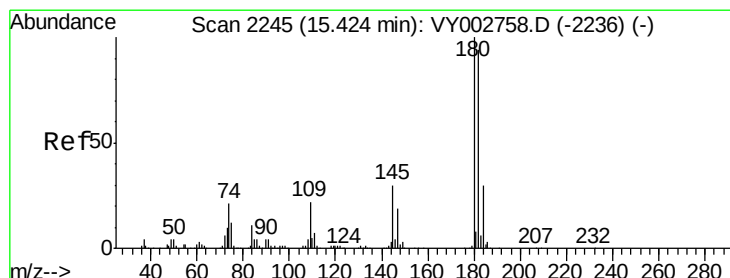
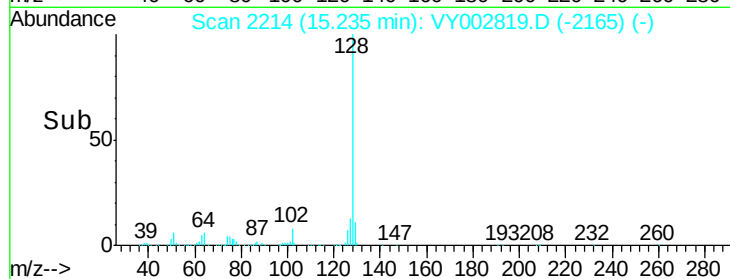
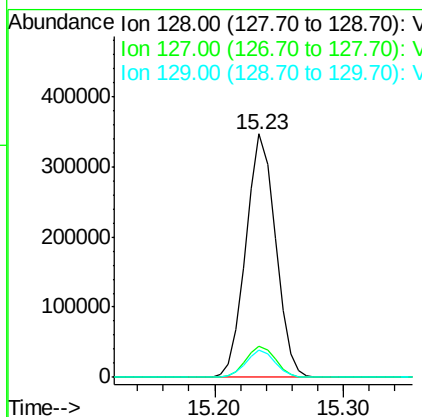
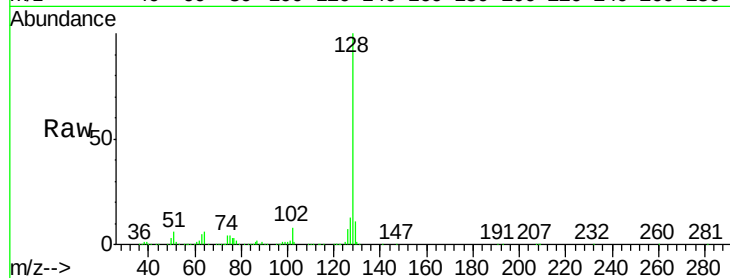
#95
Naphthalene
Concen: 51.306 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VY002819.D
Acq: 02 Jun 2020 17:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.3	15.5
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
6/3/2020 11:31:40 AM



#96
1,2,3-Trichlorobenzene
Concen: 49.722 ug/l
RT: 15.42 min Scan# 2245
Delta R.T. 0.00 min
Lab File: VY002819.D
Acq: 02 Jun 2020 17:20

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	48.1	144.4
145	30.3	15.1	45.3

