

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY110119\
 Data File : VY000517.D
 Acq On : 01 Nov 2019 10:54
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 11/4/2019 3:40:22 PM

Quant Time: Nov 01 23:04:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 13:30:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	231533	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	386375	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	349349	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	175550	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	128183	53.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.00%	
35) Dibromofluoromethane	7.73	113	114973	50.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.38%	
50) Toluene-d8	10.19	98	473164	54.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.96%	
62) 4-Bromofluorobenzene	12.48	95	169488	51.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	117502	51.554	ug/l	98
3) Chloromethane	2.12	50	154675	49.264	ug/l	96
4) Vinyl Chloride	2.26	62	143852	49.338	ug/l	99
5) Bromomethane	2.65	94	91349	52.247	ug/l	94
6) Chloroethane	2.80	64	91461	50.122	ug/l	99
7) Trichlorofluoromethane	3.13	101	205159	52.104	ug/l	99
8) Diethyl Ether	3.54	74	70022	50.048	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.91	101	122198	51.333	ug/l	98
10) Methyl Iodide	4.10	142	153025	48.912	ug/l	100
11) Tert butyl alcohol	4.97	59	46313	198.562	ug/l #	90
12) 1,1-Dichloroethene	3.88	96	123125	53.237	ug/l	98
13) Acrolein	3.74	56	51162	251.823	ug/l	95
14) Allyl chloride	4.49	41	197359	52.480	ug/l	98
15) Acrylonitrile	5.18	53	166249	231.962	ug/l	99
16) Acetone	3.96	43	178753	270.681	ug/l	100
17) Carbon Disulfide	4.20	76	374156	51.293	ug/l	99
18) Methyl Acetate	4.49	43	94978	46.255	ug/l	98
19) Methyl tert-butyl Ether	5.23	73	322016	50.078	ug/l	98
20) Methylene Chloride	4.73	84	136581	48.267	ug/l	95
21) trans-1,2-Dichloroethene	5.22	96	134093	51.285	ug/l	97
22) Diisopropyl ether	6.13	45	432430	52.903	ug/l	95
23) Vinyl Acetate	6.07	43	1289644	249.937	ug/l	98
24) 1,1-Dichloroethane	6.03	63	230532	52.060	ug/l	99
25) 2-Butanone	7.00	43	266124	252.507	ug/l	100
26) 2,2-Dichloropropane	7.00	77	206939	51.137	ug/l	98
27) cis-1,2-Dichloroethene	7.00	96	150493	52.638	ug/l	99
28) Bromochloromethane	7.35	49	106776	52.636	ug/l	96
29) Tetrahydrofuran	7.36	42	147388	228.596	ug/l	99
30) Chloroform	7.52	83	234813	52.418	ug/l	100
31) Cyclohexane	7.79	56	229942	49.578	ug/l	95
32) 1,1,1-Trichloroethane	7.71	97	209006	52.352	ug/l	99
36) 1,1-Dichloropropene	7.93	75	188231	51.533	ug/l	99
37) Ethyl Acetate	7.09	43	103114	47.550	ug/l	99
38) Carbon Tetrachloride	7.91	117	186316	53.012	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	238986	50.645	ug/l	98
40) Benzene	8.17	78	549572	51.321	ug/l	99
41) Methacrylonitrile	7.34	41	61143m	50.542	ug/l	
42) 1,2-Dichloroethane	8.25	62	159069	52.373	ug/l	99
43) Isopropyl Acetate	8.28	43	194298	47.696	ug/l	99
44) Trichloroethene	8.95	130	147794	52.345	ug/l	92
45) 1,2-Dichloropropane	9.22	63	135378	51.366	ug/l	93
46) Dibromomethane	9.31	93	73467	50.685	ug/l	99
47) Bromodichloromethane	9.50	83	183666	53.402	ug/l	97
48) Methyl methacrylate	9.30	41	88644	49.803	ug/l	96
49) 1,4-Dioxane	9.31	88	18298	937.989	ug/l	92
51) 4-Methyl-2-Pentanone	10.08	43	510180	235.555	ug/l	100
52) Toluene	10.25	92	355715	52.540	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	194184	52.841	ug/l	100
54) cis-1,3-Dichloropropene	9.93	75	220872	52.464	ug/l	97
55) 1,1,2-Trichloroethane	10.65	97	105605	50.372	ug/l	94
56) Ethyl methacrylate	10.52	69	151341	50.932	ug/l	98
57) 1,3-Dichloropropane	10.79	76	188754	51.442	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.79	63	320220	238.375	ug/l	99
59) 2-Hexanone	10.83	43	403527	255.715	ug/l	100
60) Dibromochloromethane	10.99	129	125777	52.377	ug/l	99
61) 1,2-Dibromoethane	11.09	107	101211	50.210	ug/l	96
64) Tetrachloroethene	10.72	164	143947	49.831	ug/l	99
65) Chlorobenzene	11.52	112	373728	52.764	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.60	131	131941	53.711	ug/l	99
67) Ethyl Benzene	11.60	91	686169	52.637	ug/l	100
68) m/p-Xylenes	11.70	106	529248	104.898	ug/l	98
69) o-Xylene	12.03	106	248813	52.473	ug/l	98
70) Styrene	12.05	104	430525	53.023	ug/l	100
71) Bromoform	12.21	173	74371	52.637	ug/l #	100
73) Isopropylbenzene	12.33	105	675544	52.067	ug/l	99
74) N-amyl acetate	12.14	43	186994	50.323	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	125028	48.669	ug/l	98
76) 1,2,3-Trichloropropane	12.63	75	95843m	47.948	ug/l	
77) Bromobenzene	12.61	156	150679	51.213	ug/l	99
78) n-propylbenzene	12.67	91	816708	52.170	ug/l	100
79) 2-Chlorotoluene	12.76	91	456842	52.566	ug/l	98
80) 1,3,5-Trimethylbenzene	12.81	105	567066	52.478	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	43602	48.908	ug/l	99
82) 4-Chlorotoluene	12.86	91	482206	53.526	ug/l	98
83) tert-Butylbenzene	13.08	119	475789	51.568	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	567566	52.753	ug/l	99
85) sec-Butylbenzene	13.25	105	685804	52.172	ug/l	99
86) p-Isopropyltoluene	13.37	119	613694	52.383	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	301226	52.270	ug/l	100
88) 1,4-Dichlorobenzene	13.45	146	299725	52.047	ug/l	99
89) n-Butylbenzene	13.70	91	607223	52.551	ug/l	100
90) Hexachloroethane	13.96	117	116680	53.873	ug/l	98
91) 1,2-Dichlorobenzene	13.74	146	269710	51.582	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	21077	46.358	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	183094	51.427	ug/l	98
94) Hexachlorobutadiene	15.11	225	92315	50.302	ug/l	99
95) Naphthalene	15.23	128	377283	47.736	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	160805	50.344	ug/l	99

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

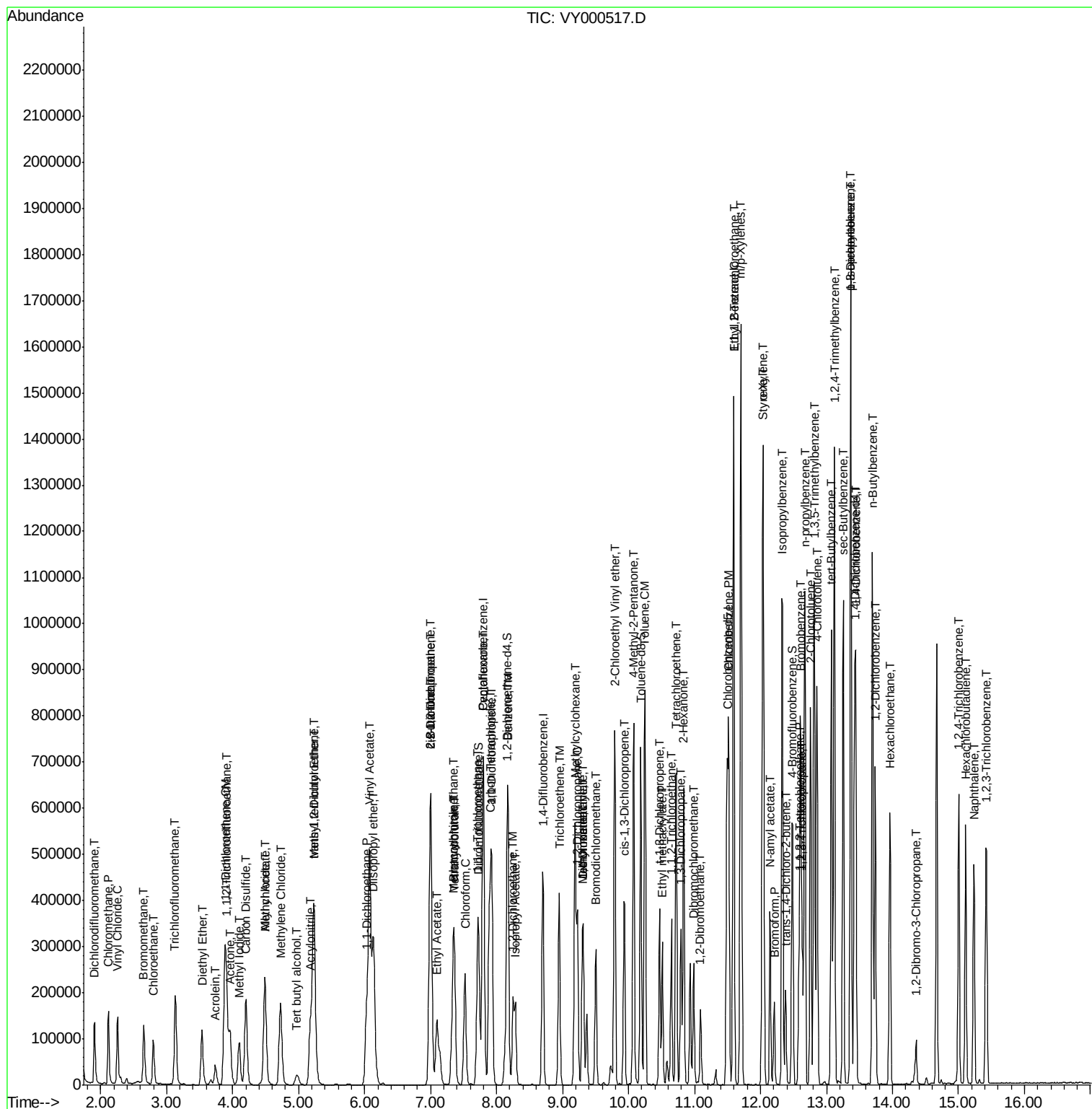
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_Y\DATA\VY110119\
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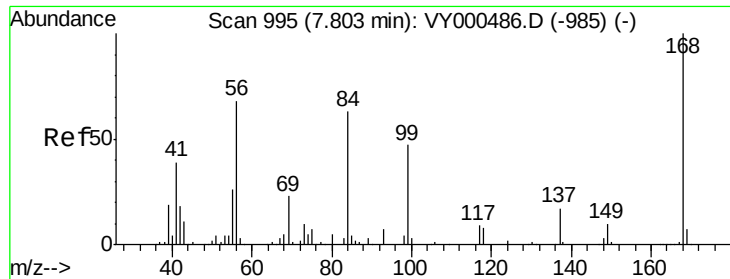
Instrument :
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ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.00 min

Lab File: VY000517.D

Acq: 01 Nov 2019 10:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion:168 Resp: 231533

Ion Ratio Lower Upper

168 100

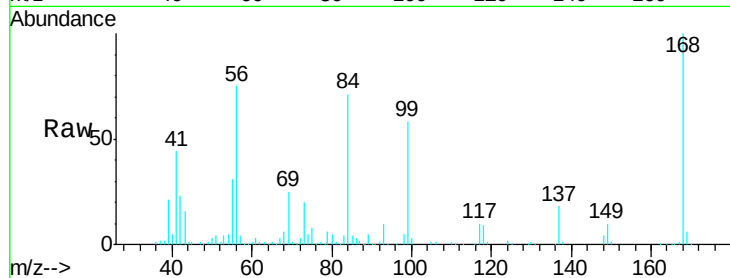
99 58.2 45.7 68.5

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VY000486.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY000486.D (-985) (-)

7.80

120000

100000

80000

60000

40000

20000

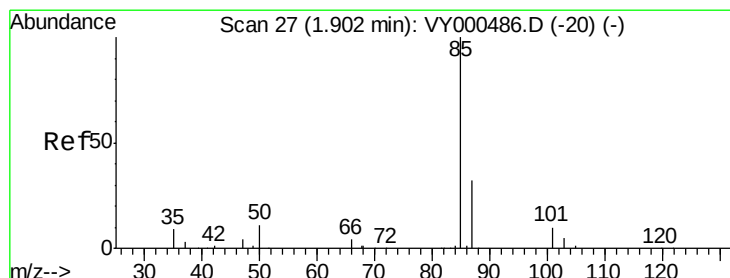
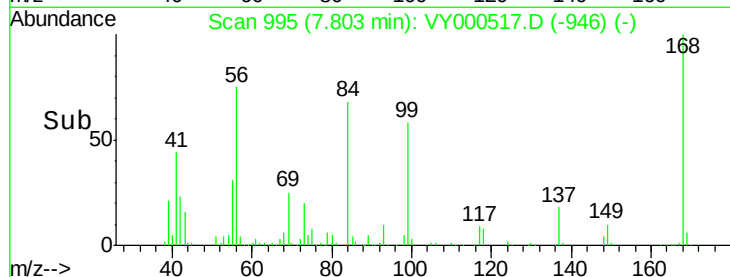
0

7.70

7.80

7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 51.554 ug/l

RT: 1.91 min Scan# 28

Delta R.T. 0.01 min

Lab File: VY000517.D

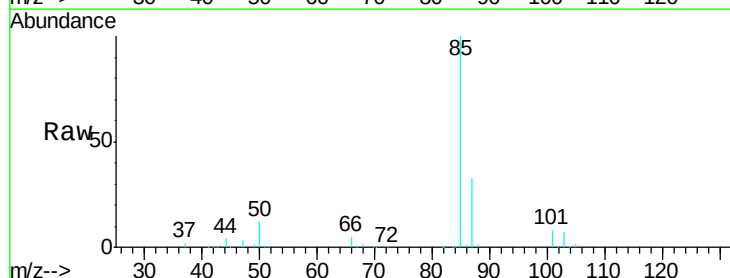
Acq: 01 Nov 2019 10:54

Tgt Ion: 85 Resp: 117502

Ion Ratio Lower Upper

85 100

87 32.9 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VY000486.D (-20) (-)

Ion 86.90 (86.60 to 87.60): VY000486.D (-20) (-)

1.91

80000

60000

40000

20000

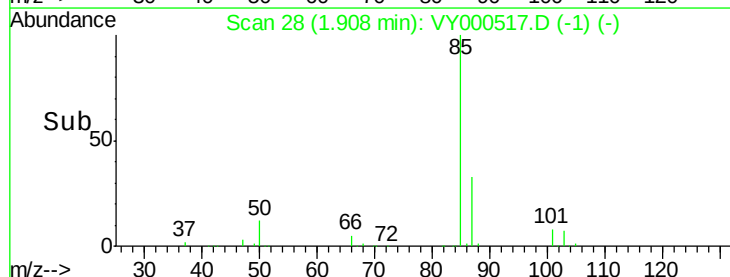
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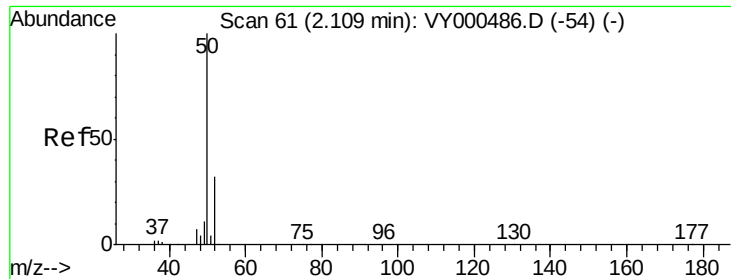
1.80

1.90

2.00

Time-->





#3

Chloromethane

Concen: 49.264 ug/l

RT: 2.12 min Scan# 62

Delta R.T. 0.01 min

Lab File: VY000517.D

Acq: 01 Nov 2019 10:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 50 Resp: 154675

Ion Ratio Lower Upper

50 100

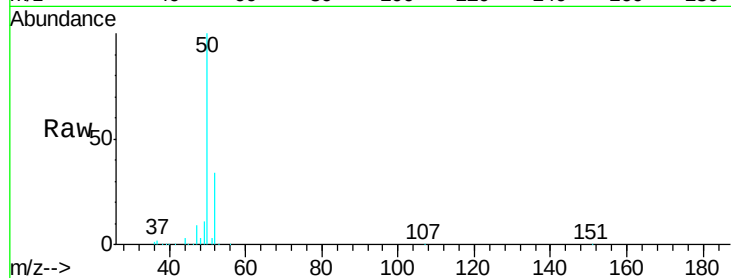
52 33.6 25.2 37.8

Manual Integrations

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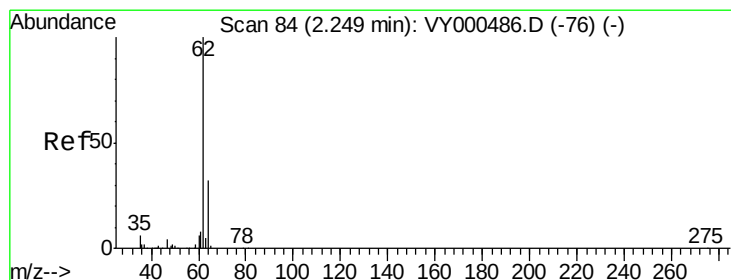
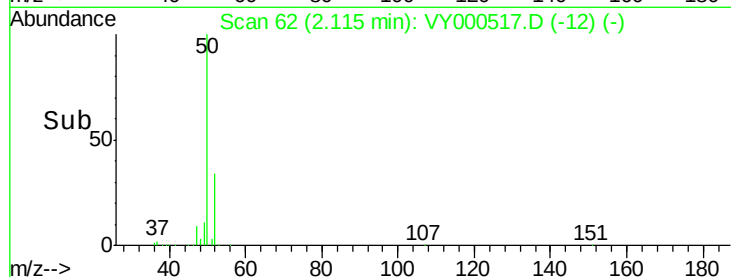
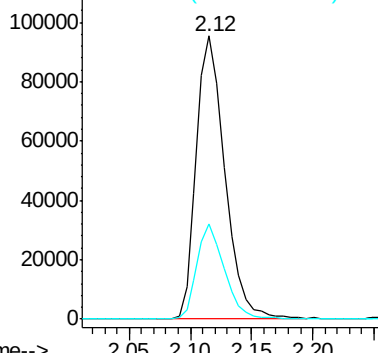
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Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 49.338 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.01 min

Lab File: VY000517.D

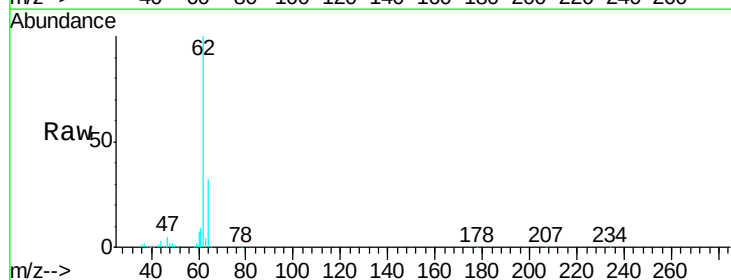
Acq: 01 Nov 2019 10:54

Tgt Ion: 62 Resp: 143852

Ion Ratio Lower Upper

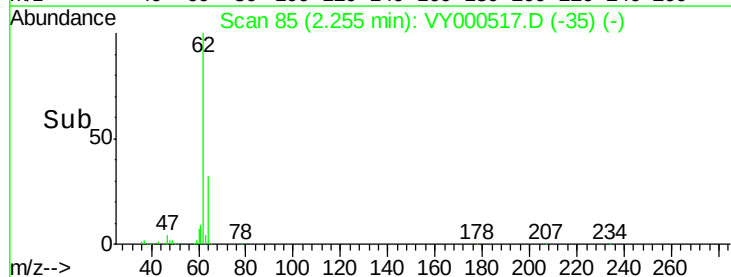
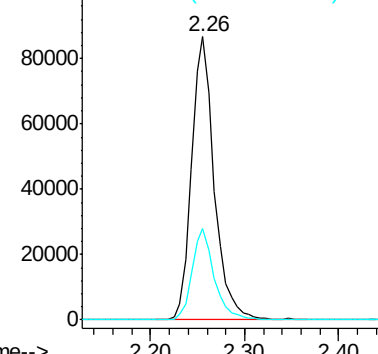
62 100

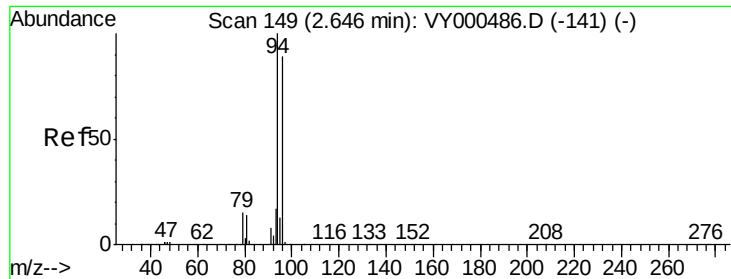
64 32.1 25.2 37.8



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 52.247 ug/l

RT: 2.65 min Scan# 150

Delta R.T. 0.01 min

Lab File: VY000517.D

Acq: 01 Nov 2019 10:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 94 Resp: 91349

Ion Ratio Lower Upper

94 100

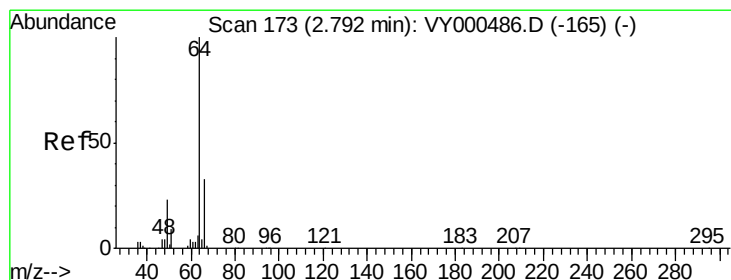
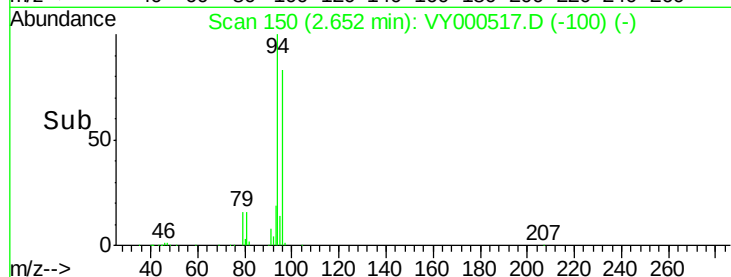
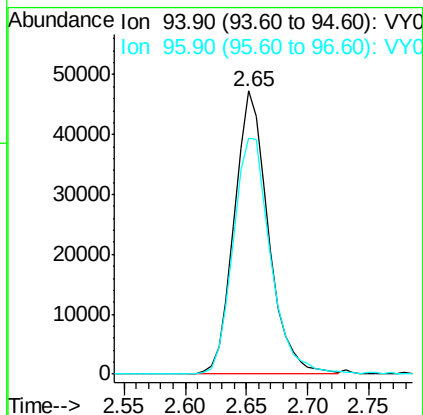
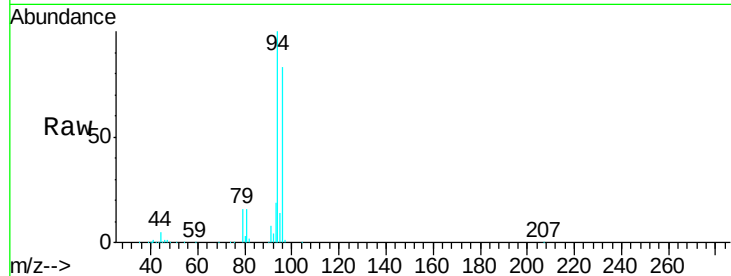
96 83.3 71.2 106.8

Manual Integrations

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#6

Chloroethane

Concen: 50.122 ug/l

RT: 2.80 min Scan# 174

Delta R.T. 0.01 min

Lab File: VY000517.D

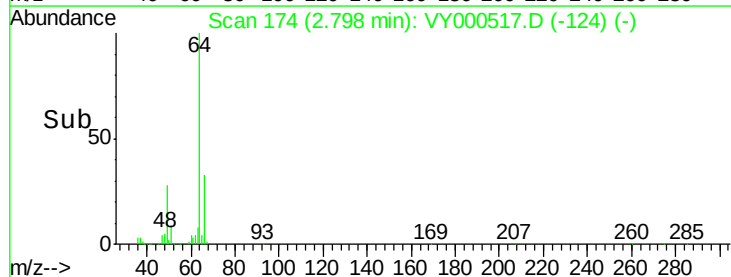
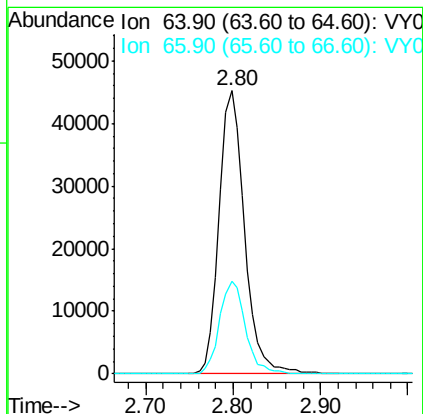
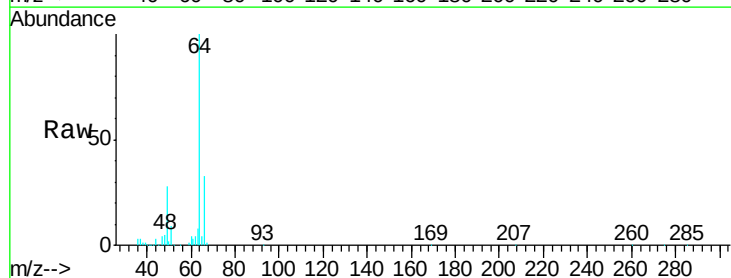
Acq: 01 Nov 2019 10:54

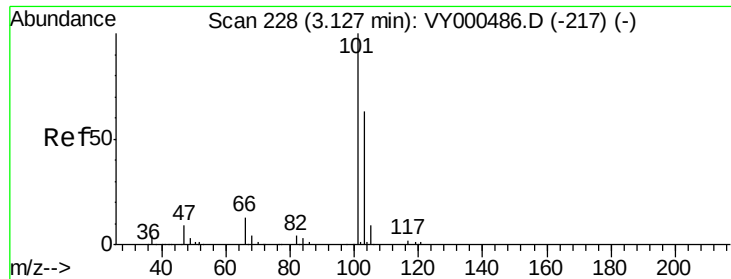
Tgt Ion: 64 Resp: 91461

Ion Ratio Lower Upper

64 100

66 32.9 26.6 40.0





#7

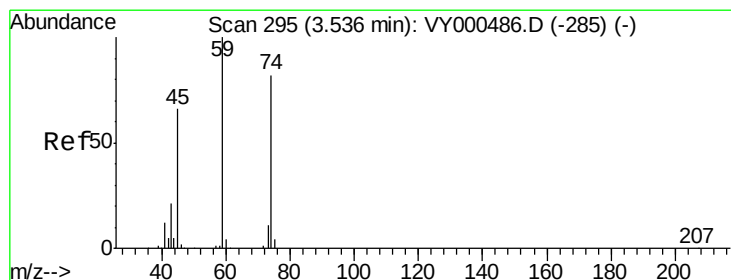
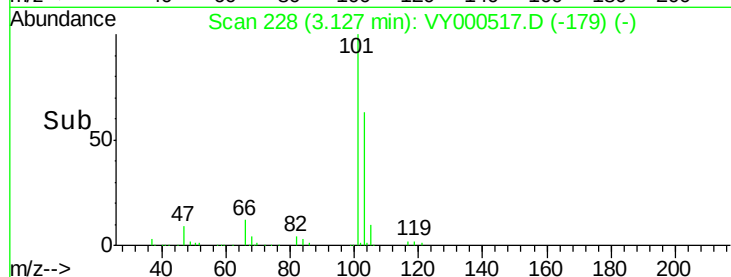
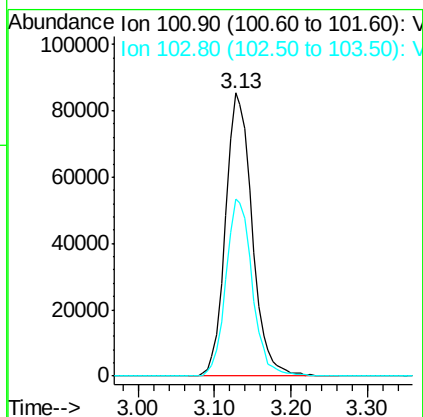
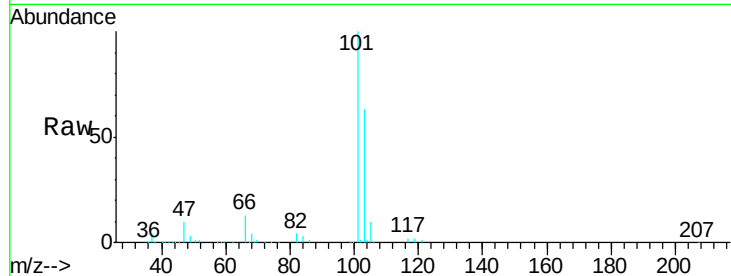
Trichlorofluoromethane
Concen: 52.104 ug/l
RT: 3.13 min Scan# 228
Delta R.T. -0.00 min
Lab File: VY000517.D
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VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	205159		
103	62.5	50.5	50.5	75.7

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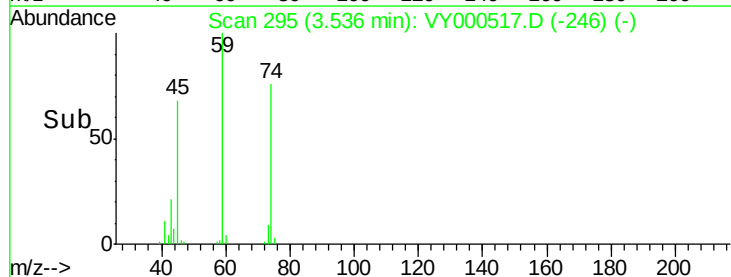
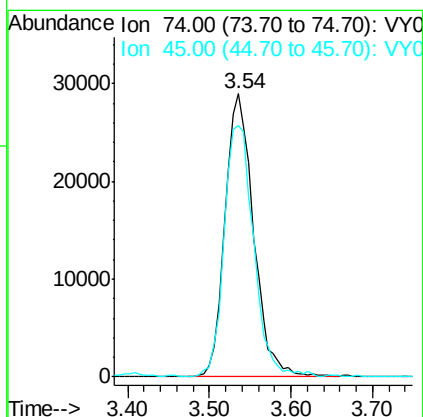
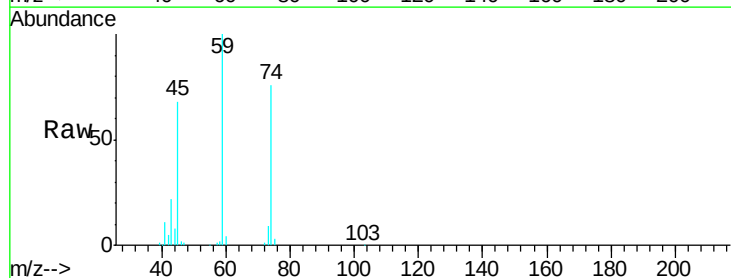
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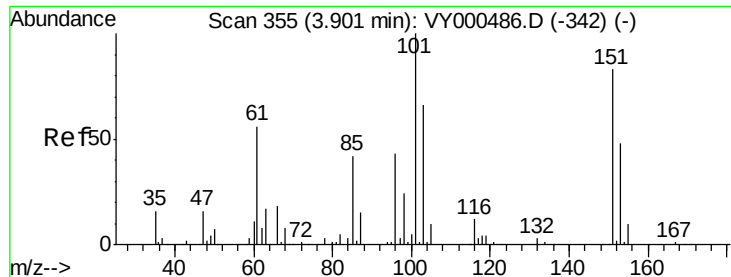


#8

Diethyl Ether
Concen: 50.048 ug/l
RT: 3.54 min Scan# 295
Delta R.T. -0.00 min
Lab File: VY000517.D
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Tgt Ion	Ratio	Resp	Lower	Upper
74	100	70022		
45	92.3	45.5	45.5	136.4





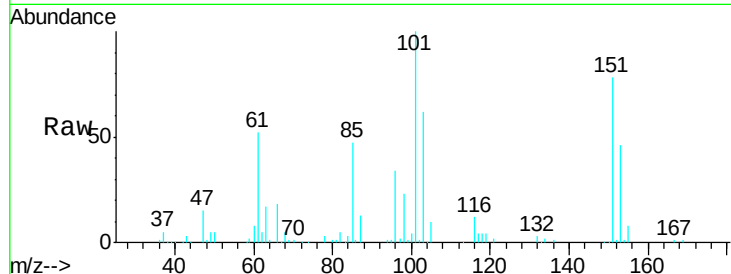
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 51.333 ug/l
 RT: 3.91 min Scan# 356
 Delta R.T. 0.01 min
 Lab File: VY000517.D
 Acq: 01 Nov 2019 10:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	122198		
85	45.7	36.7	55.1	
151	78.0	64.3	96.5	

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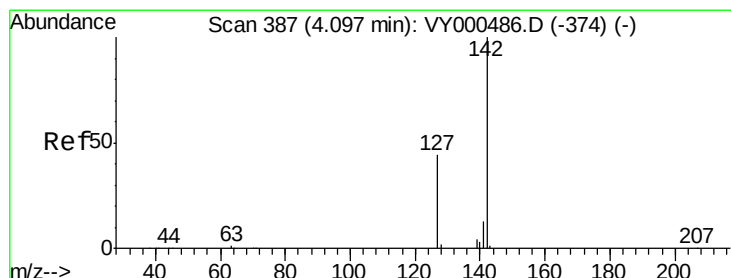
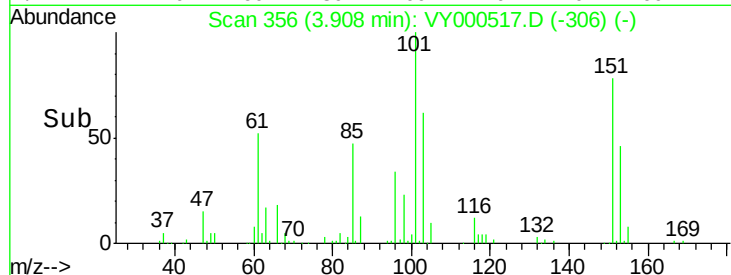
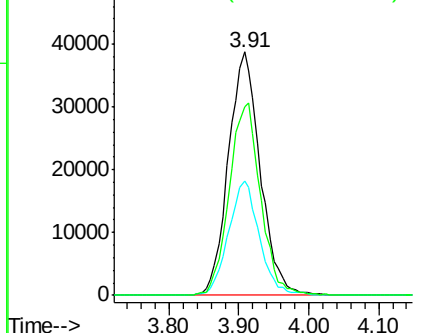


Abundance

Ion 100.90 (100.60 to 101.60): V

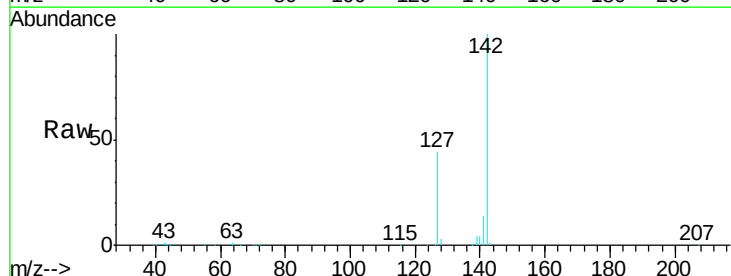
Ion 84.90 (84.60 to 85.60): VY0

Ion 150.80 (150.50 to 151.50): V



#10
 Methyl Iodide
 Concen: 48.912 ug/l
 RT: 4.10 min Scan# 388
 Delta R.T. 0.01 min
 Lab File: VY000517.D
 Acq: 01 Nov 2019 10:54

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	153025		
127	42.2	33.7	50.5	
141	13.6	10.9	16.3	

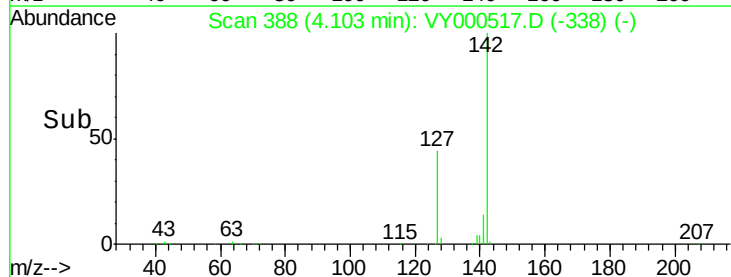
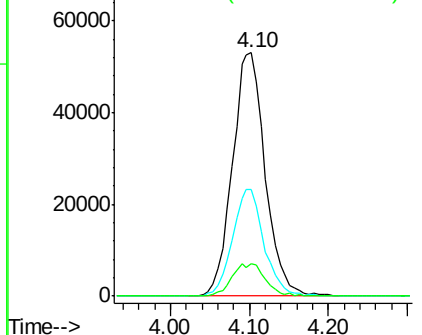


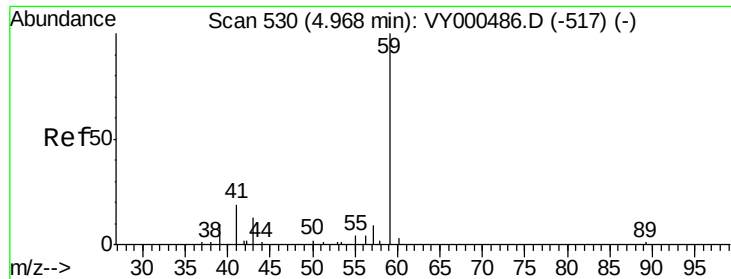
Abundance

Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

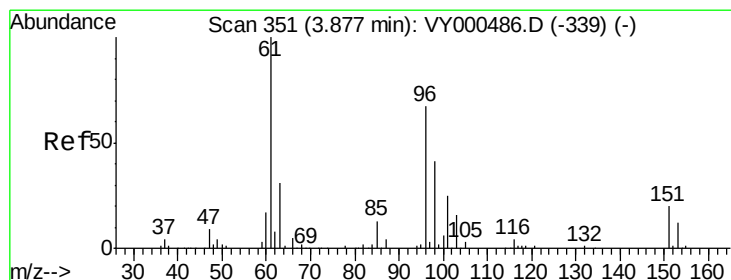
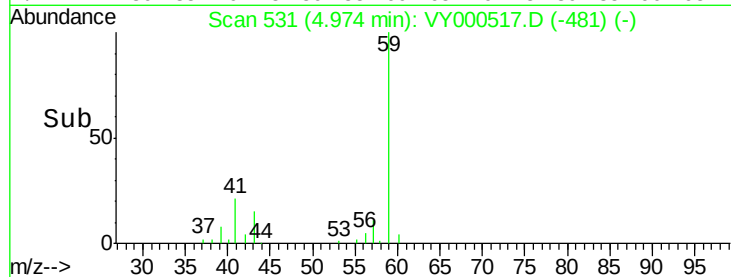
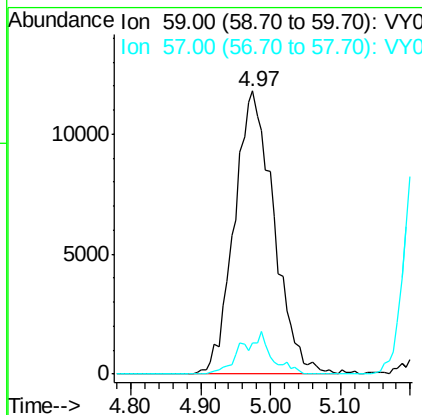
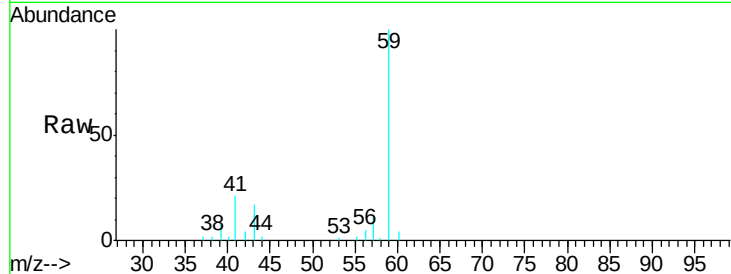
Tert butyl alcohol
 Concen: 198.562 ug/l
 RT: 4.97 min Scan# 531
 Delta R.T. 0.01 min
 Lab File: VY000517.D
 Acq: 01 Nov 2019 10:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
59	100		
57	6.9	8.6	12.8#

Manual Integrations
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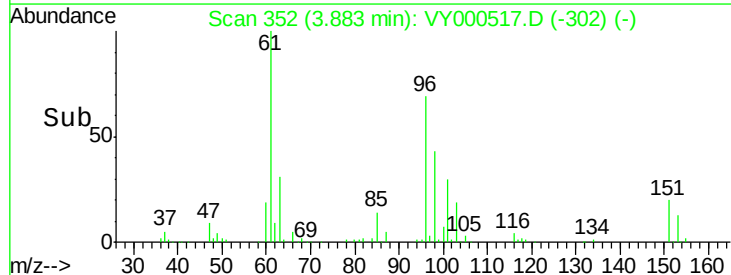
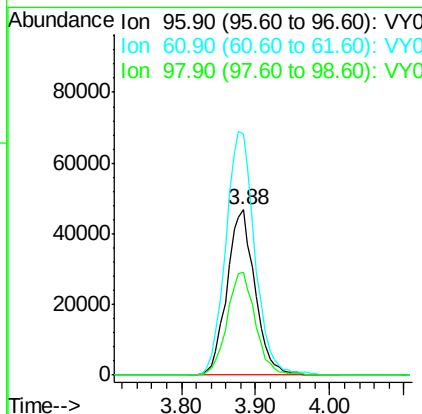
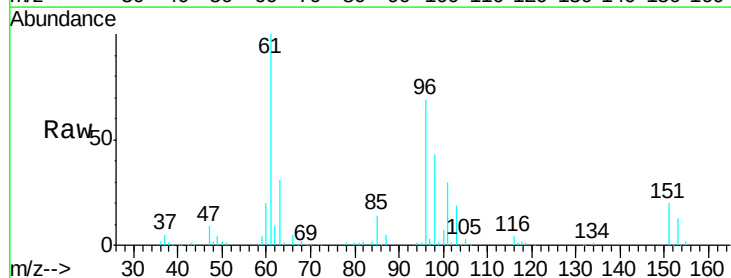
MMDadoda
 11/4/2019 3:40:22 PM

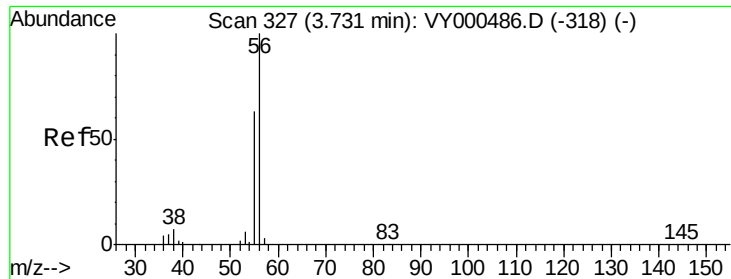


#12

1,1-Dichloroethene
 Concen: 53.237 ug/l
 RT: 3.88 min Scan# 352
 Delta R.T. 0.01 min
 Lab File: VY000517.D
 Acq: 01 Nov 2019 10:54

Tgt Ion	Ratio	Lower	Upper
96	100		
61	145.7	119.2	178.8
98	62.1	48.6	73.0





#13

Acrolein

Concen: 251.823 ug/l

RT: 3.74 min Scan# 329

Delta R.T. 0.01 min

Lab File: VY000517.D

Acq: 01 Nov 2019 10:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 51162

Ion Ratio Lower Upper

56 100

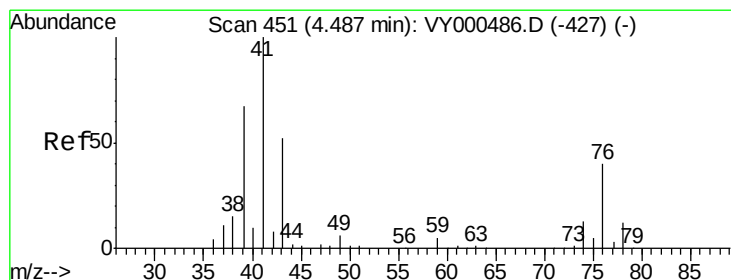
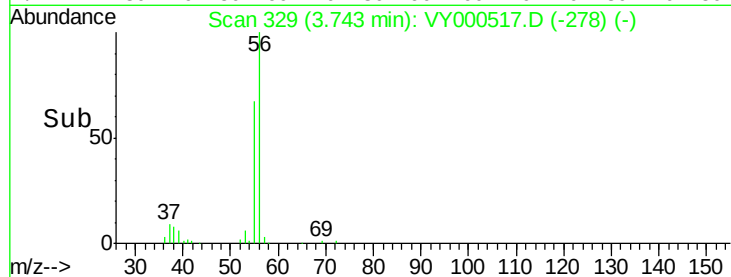
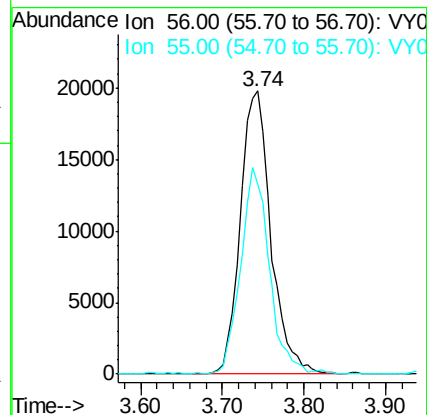
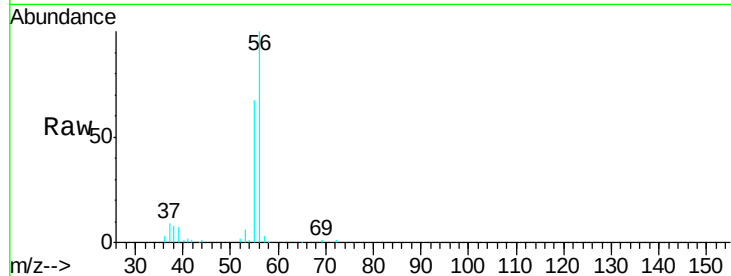
55 67.5 57.0 85.6

Manual Integrations

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#14

Allyl chloride

Concen: 52.480 ug/l

RT: 4.49 min Scan# 452

Delta R.T. 0.01 min

Lab File: VY000517.D

Acq: 01 Nov 2019 10:54

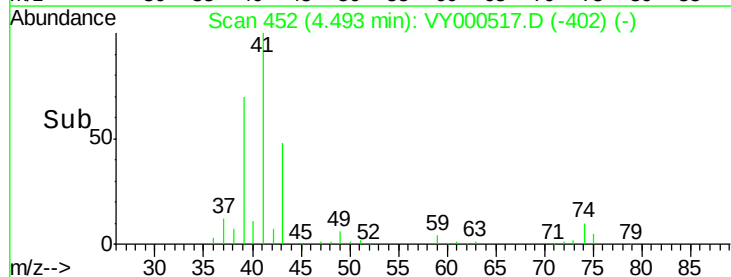
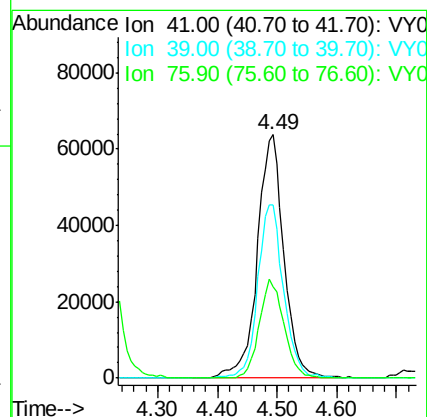
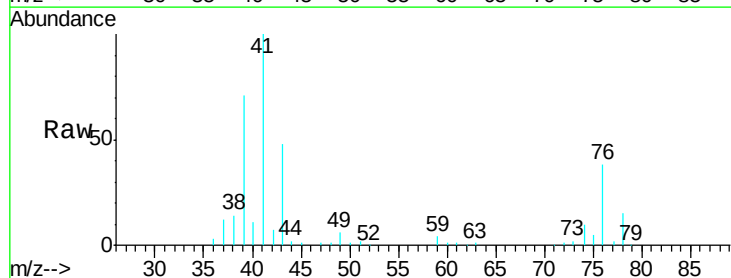
Tgt Ion: 41 Resp: 197359

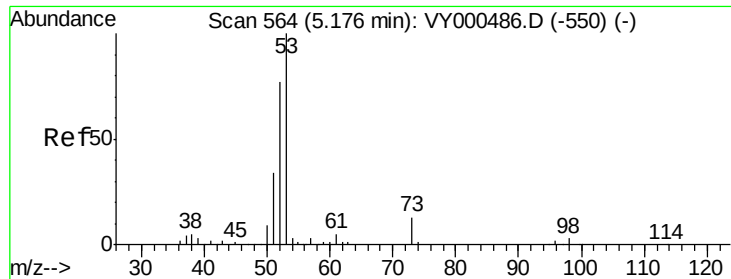
Ion Ratio Lower Upper

41 100

39 69.3 53.6 80.4

76 37.8 29.8 44.6





#15

Acrylonitrile

Concen: 231.962 ug/l

RT: 5.18 min Scan# 564

Delta R.T. -0.00 min

Lab File: VY000517.D

Acq: 01 Nov 2019 10:54

Instrument :

MSVOA_Y

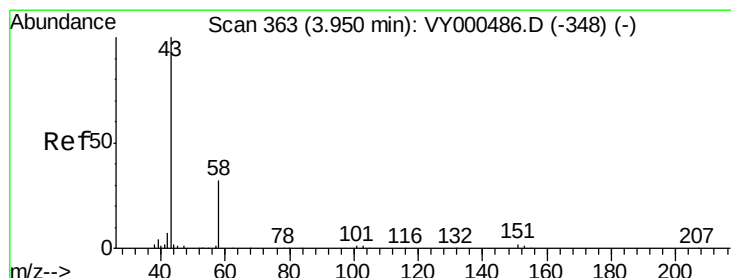
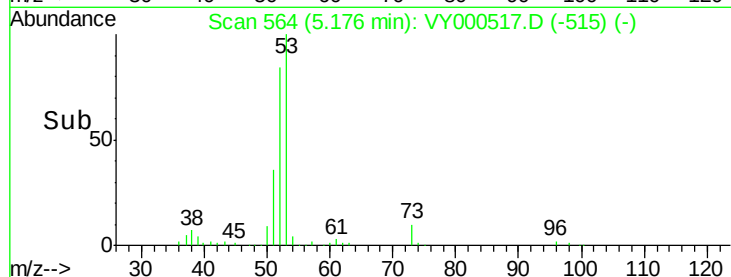
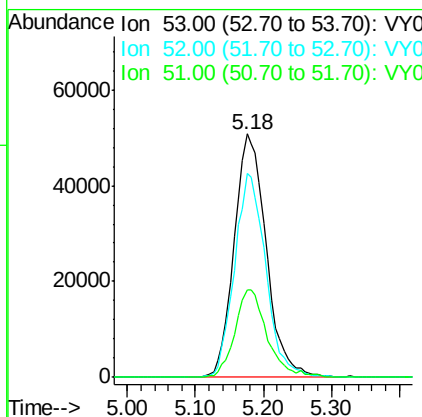
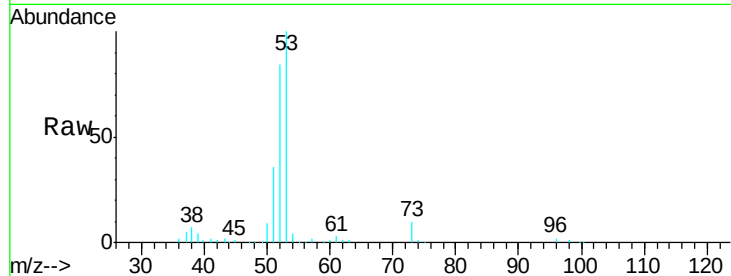
ClientSampleId :

VSTDCCC050

Tgt Ion:	53	Resp:	166249
Ion	Ratio	Lower	Upper
53	100		
52	81.8	64.9	97.3
51	35.9	27.6	41.4

Manual Integrations
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#16

Acetone

Concen: 270.681 ug/l

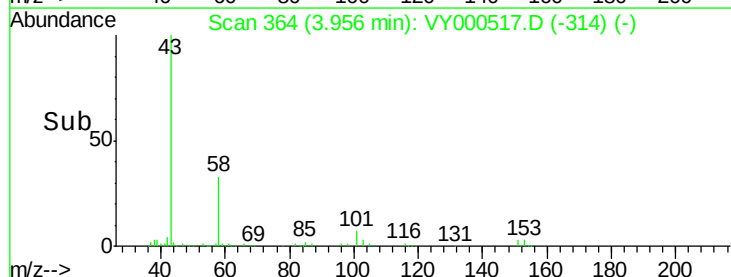
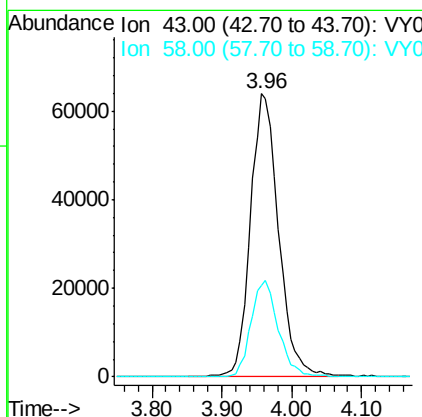
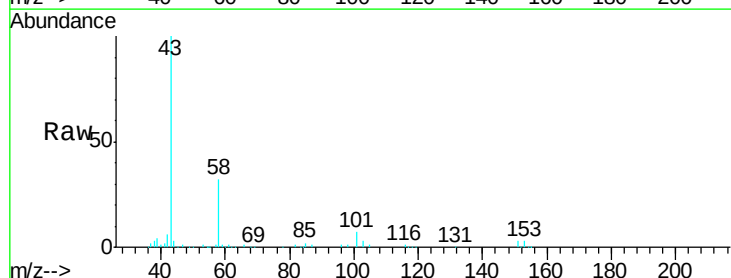
RT: 3.96 min Scan# 364

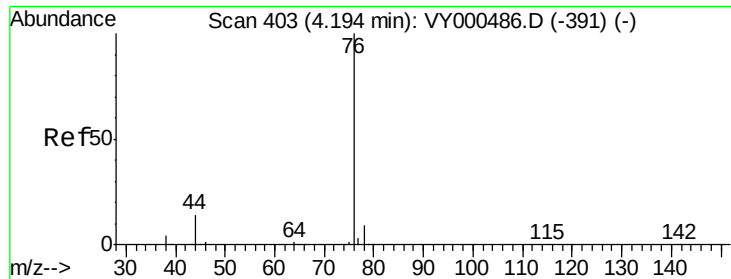
Delta R.T. 0.01 min

Lab File: VY000517.D

Acq: 01 Nov 2019 10:54

Tgt Ion:	43	Resp:	178753
Ion	Ratio	Lower	Upper
43	100		
58	32.4	25.8	38.6





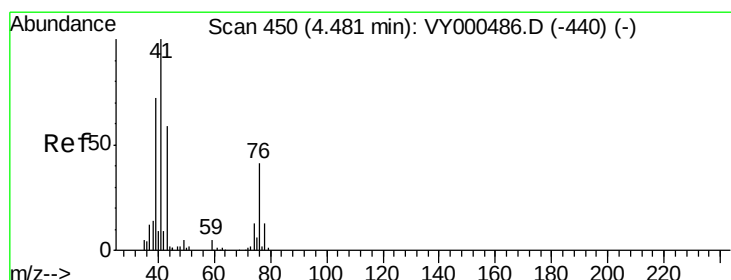
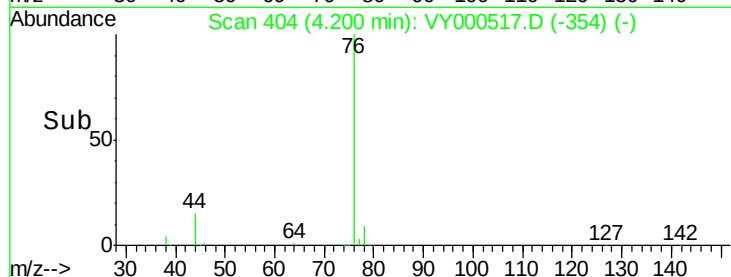
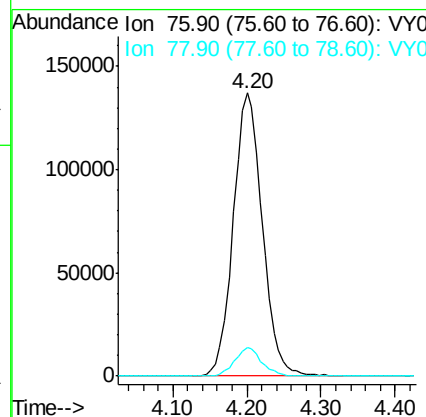
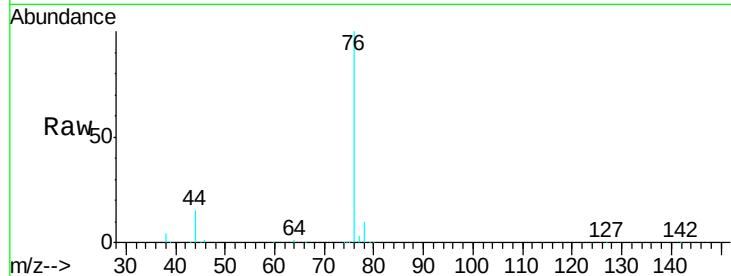
#17
Carbon Disulfide
Concen: 51.293 ug/l
RT: 4.20 min Scan# 404
Delta R.T. 0.01 min
Lab File: VY000517.D
Acq: 01 Nov 2019 10:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 374156
Ion Ratio Lower Upper
76 100
78 9.9 7.5 11.3

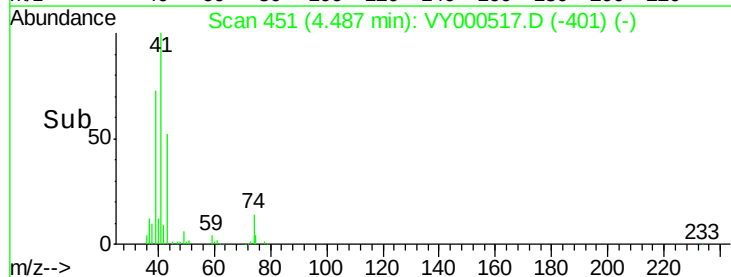
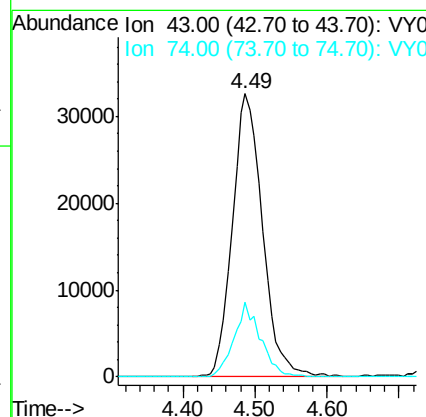
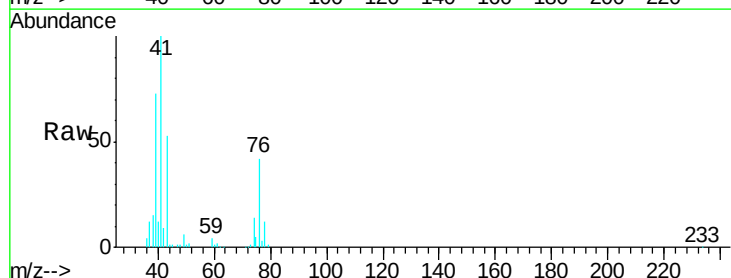
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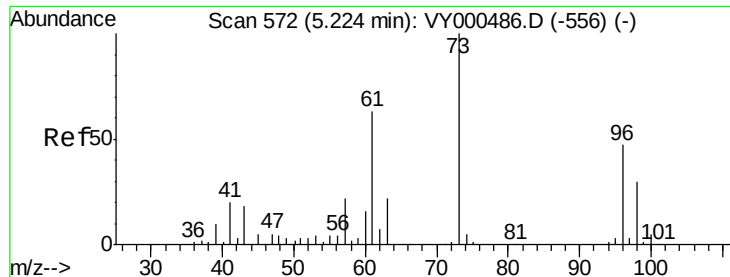
MMDadoda
11/4/2019 3:40:22 PM



#18
Methyl Acetate
Concen: 46.255 ug/l
RT: 4.49 min Scan# 451
Delta R.T. 0.01 min
Lab File: VY000517.D
Acq: 01 Nov 2019 10:54

Tgt Ion: 43 Resp: 94978
Ion Ratio Lower Upper
43 100
74 23.1 19.2 28.8





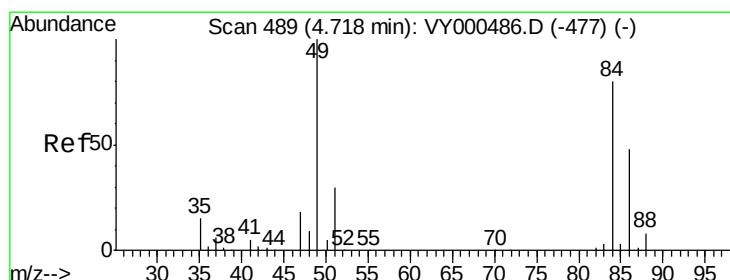
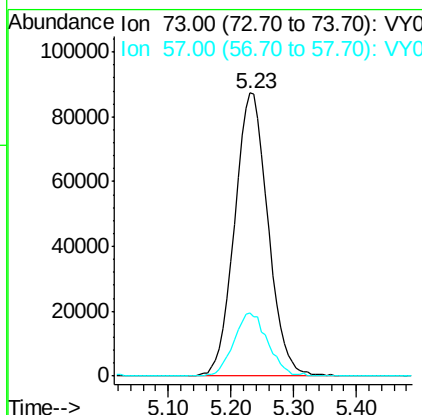
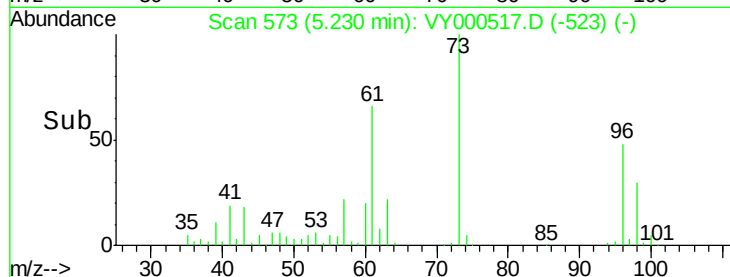
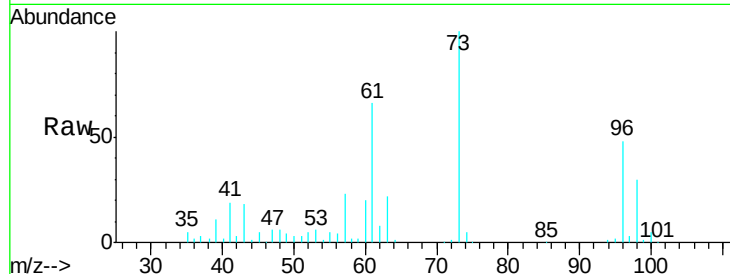
#19
Methyl tert-butyl Ether
Concen: 50.078 ug/l
RT: 5.23 min Scan# 573
Delta R.T. 0.01 min
Lab File: VY000517.D
Acq: 01 Nov 2019 10:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 322016
Ion Ratio Lower Upper
73 100
57 22.5 17.4 26.0

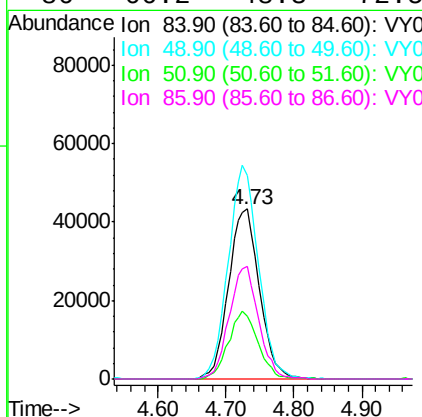
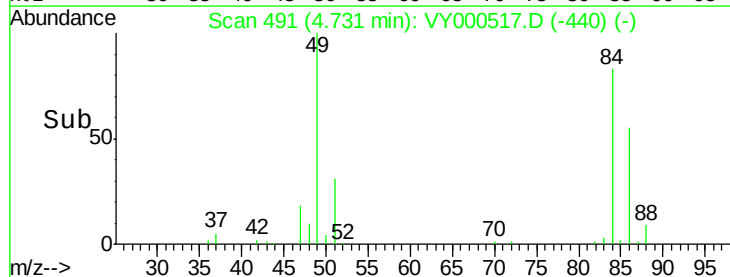
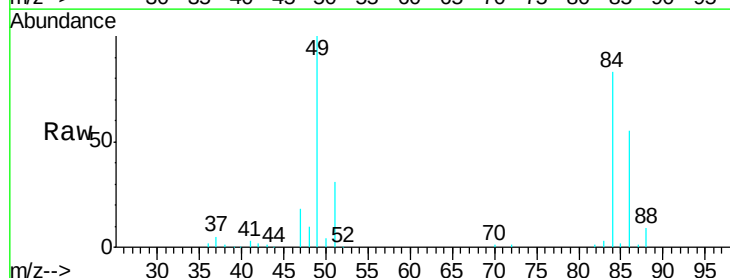
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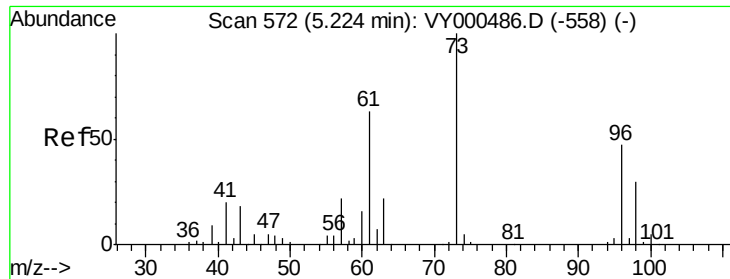
MMDadoda
11/4/2019 3:40:22 PM



#20
Methylene Chloride
Concen: 48.267 ug/l
RT: 4.73 min Scan# 491
Delta R.T. 0.01 min
Lab File: VY000517.D
Acq: 01 Nov 2019 10:54

Tgt Ion: 84 Resp: 136581
Ion Ratio Lower Upper
84 100
49 120.0 100.2 150.4
51 36.6 29.6 44.4
86 66.2 48.3 72.5





#21

trans-1,2-Dichloroethene

Concen: 51.285 ug/l

RT: 5.22 min Scan# 572

Delta R.T. -0.00 min

Lab File: VY000517.D

Acq: 01 Nov 2019 10:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 96 Resp: 134093

Ion Ratio Lower Upper

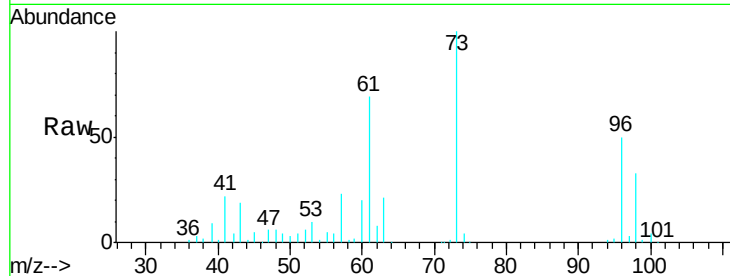
96 100

61 137.6 106.6 160.0

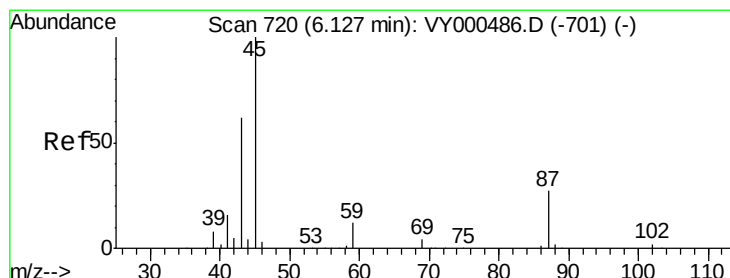
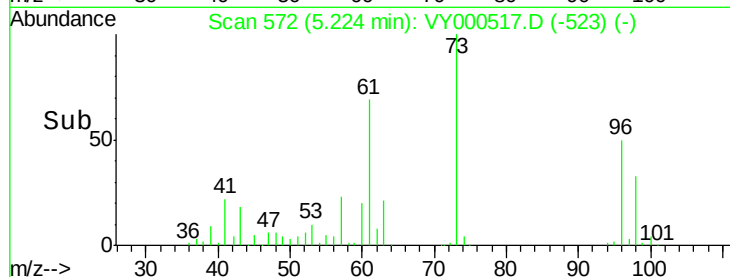
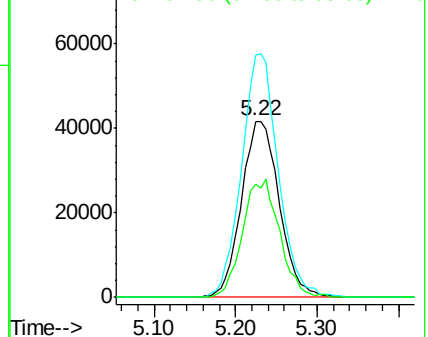
98 64.5 50.6 76.0

Manual Integrations
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Abundance Ion 95.90 (95.60 to 96.60): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 97.90 (97.60 to 98.60): VY0



#22

Diisopropyl ether

Concen: 52.903 ug/l

RT: 6.13 min Scan# 721

Delta R.T. 0.01 min

Lab File: VY000517.D

Acq: 01 Nov 2019 10:54

Tgt Ion: 45 Resp: 432430

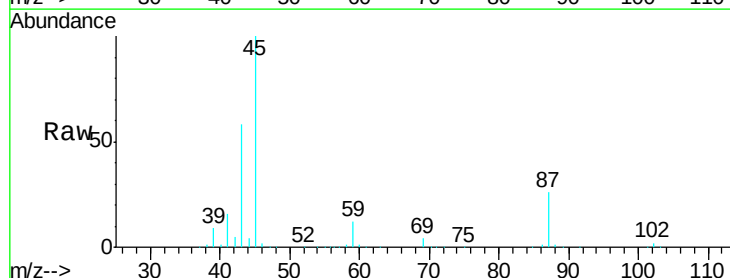
Ion Ratio Lower Upper

45 100

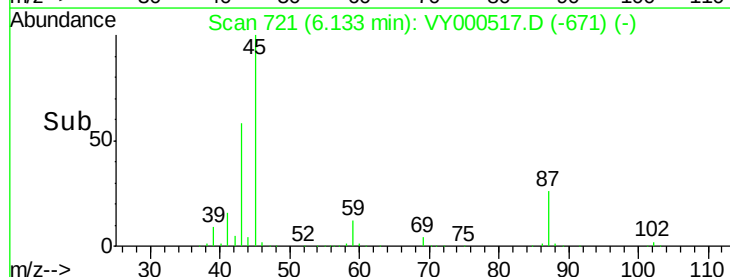
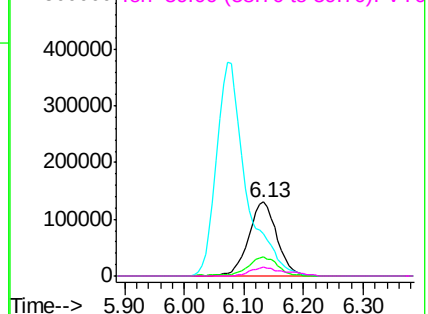
43 57.3 50.0 75.0

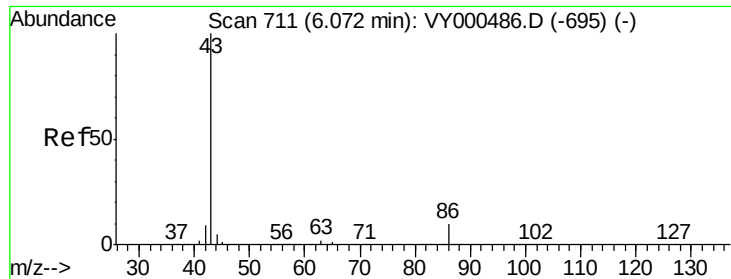
87 25.7 21.6 32.4

59 11.9 9.5 14.3



Abundance Ion 45.00 (44.70 to 45.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 87.00 (86.70 to 87.70): VY0
Ion 59.00 (58.70 to 59.70): VY0





#23

Vinyl Acetate

Concen: 249.937 ug/l

RT: 6.07 min Scan# 711

Delta R.T. -0.00 min

Lab File: VY000517.D

Acq: 01 Nov 2019 10:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 1289644

Ion Ratio Lower Upper

43 100

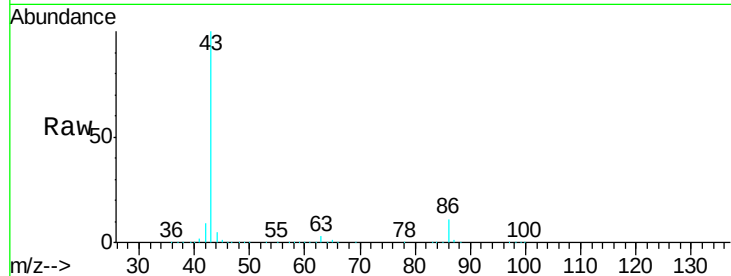
86 10.6 7.8 11.6

Manual Integrations

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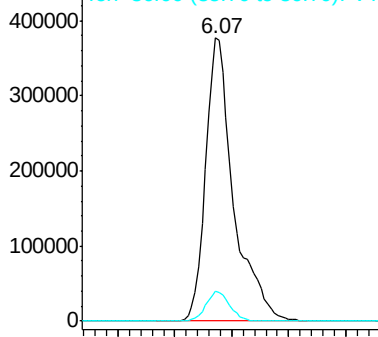
MMDadoda

11/4/2019 3:40:22 PM

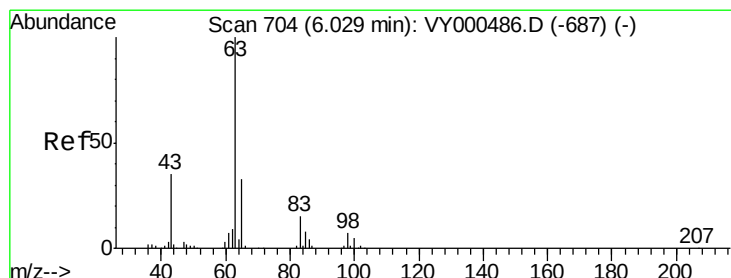
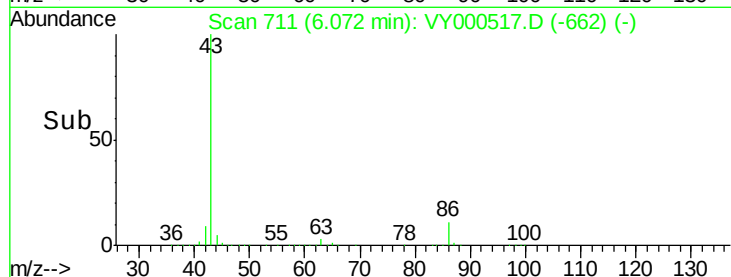


Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



Time-->



#24

1,1-Dichloroethane

Concen: 52.060 ug/l

RT: 6.03 min Scan# 704

Delta R.T. -0.00 min

Lab File: VY000517.D

Acq: 01 Nov 2019 10:54

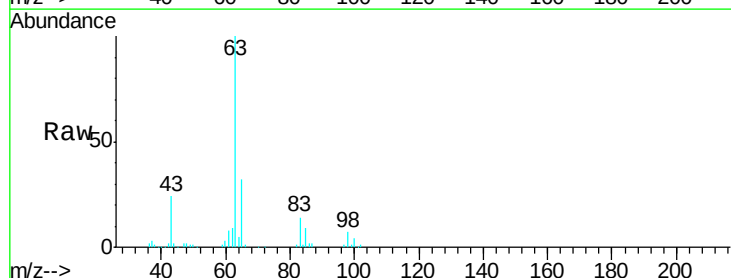
Tgt Ion: 63 Resp: 230532

Ion Ratio Lower Upper

63 100

98 6.8 3.5 10.6

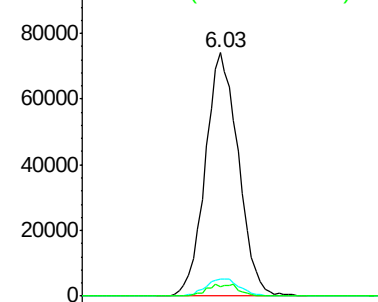
100 3.9 2.4 7.1



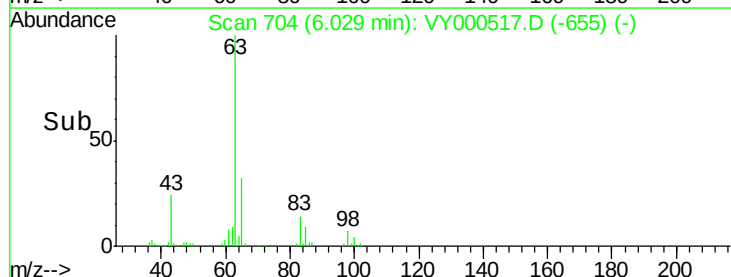
Abundance Ion 62.90 (62.60 to 63.60): VY0

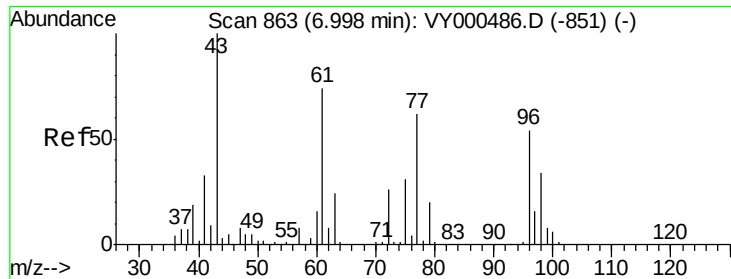
Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0



Time-->





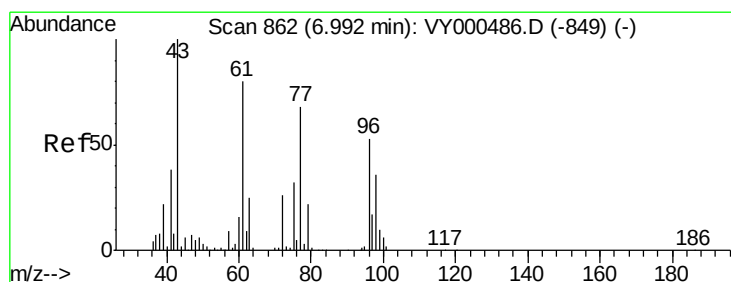
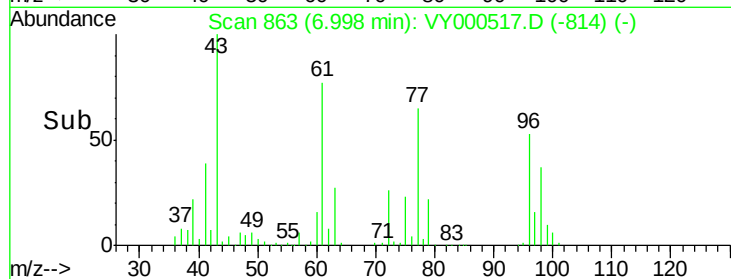
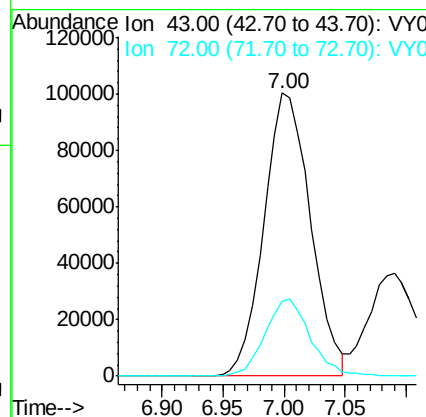
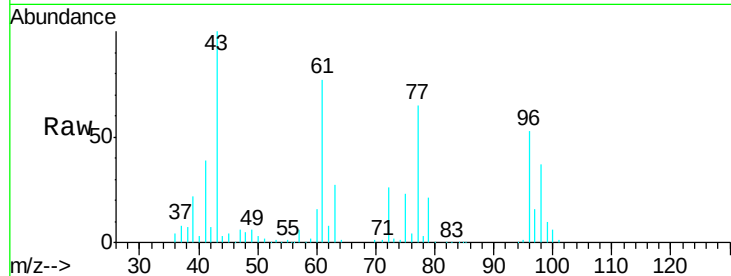
#25
2-Butanone
Concen: 252.507 ug/l
RT: 7.00 min Scan# 863
Delta R.T. -0.00 min
Lab File: VY000517.D
Acq: 01 Nov 2019 10:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 266124
Ion Ratio Lower Upper
43 100
72 26.3 20.9 31.3

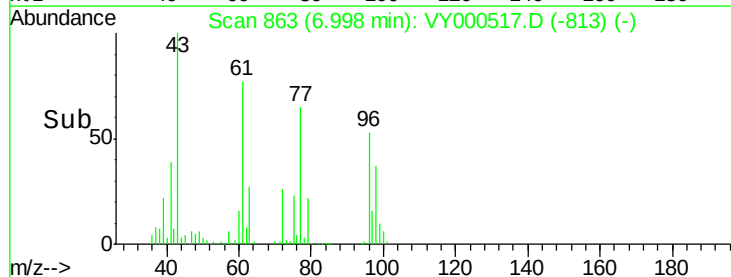
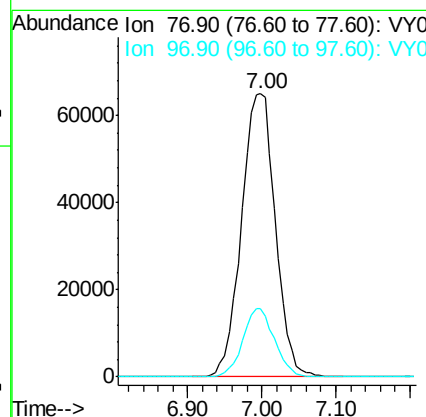
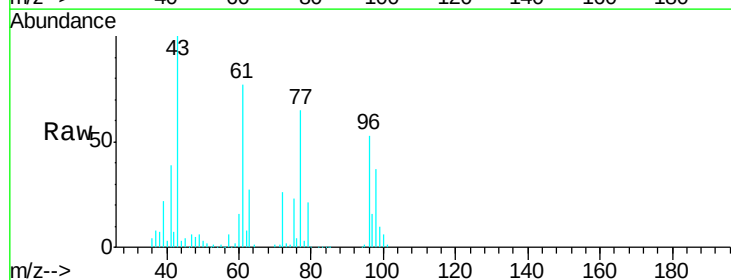
Manual Integrations
APPROVED

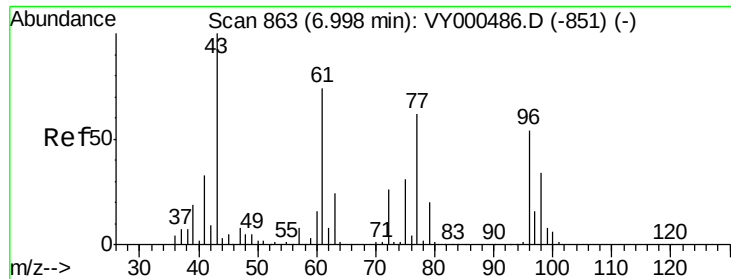
MMDadoda
11/4/2019 3:40:22 PM



#26
2,2-Dichloropropane
Concen: 51.137 ug/l
RT: 7.00 min Scan# 863
Delta R.T. 0.01 min
Lab File: VY000517.D
Acq: 01 Nov 2019 10:54

Tgt Ion: 77 Resp: 206939
Ion Ratio Lower Upper
77 100
97 22.7 11.8 35.4





#27

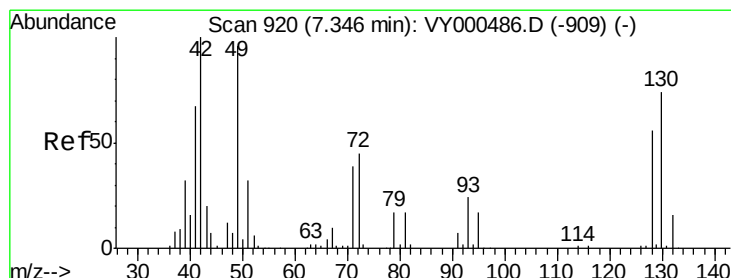
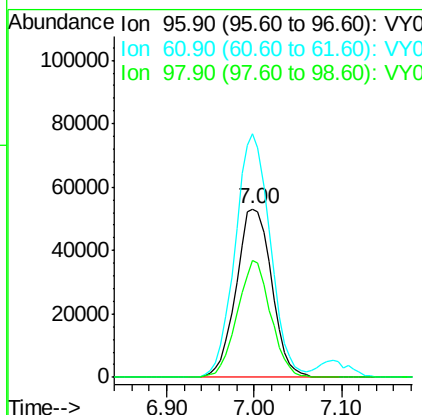
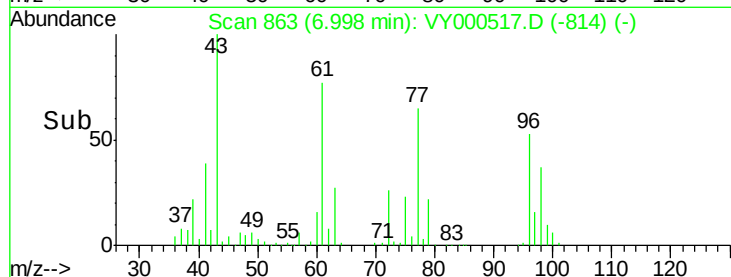
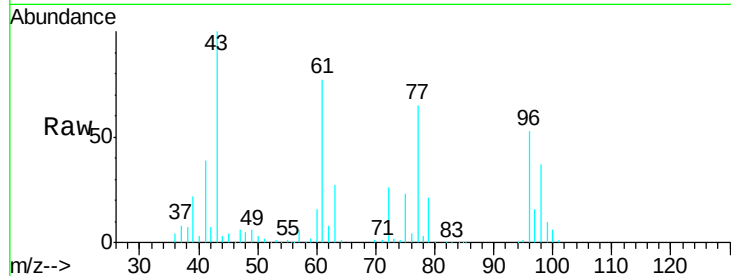
cis-1,2-Dichloroethene
Concen: 52.638 ug/l
RT: 7.00 min Scan# 863
Delta R.T. -0.00 min
Lab File: VY000517.D
Acq: 01 Nov 2019 10:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
96	100		
61	142.4	0.0	287.0
98	64.9	0.0	129.4

Manual Integrations
APPROVED

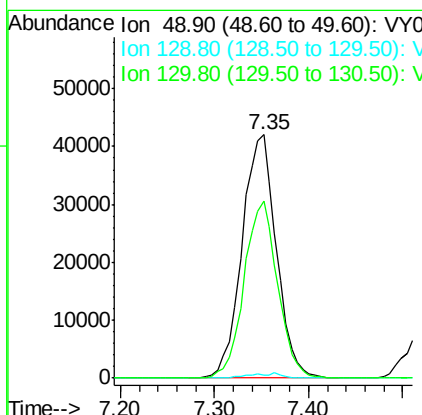
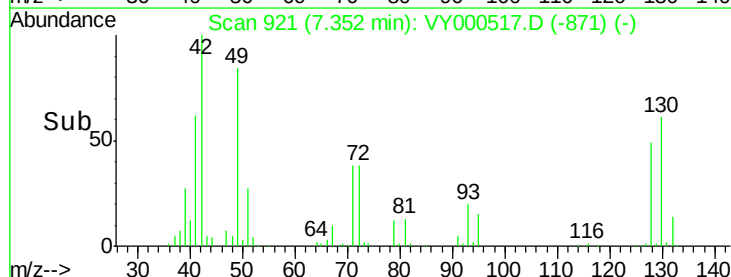
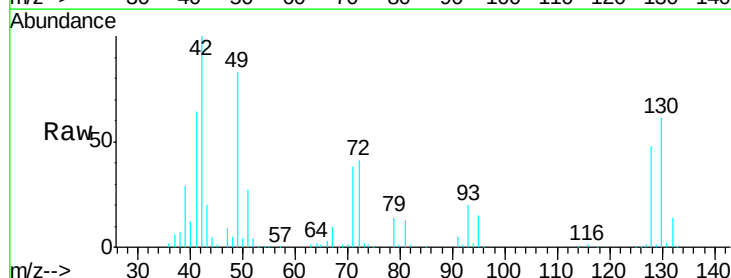
MMDadoda
11/4/2019 3:40:22 PM

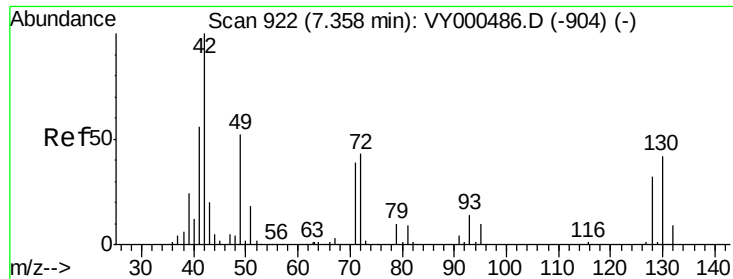


#28

Bromochloromethane
Concen: 52.636 ug/l
RT: 7.35 min Scan# 921
Delta R.T. 0.01 min
Lab File: VY000517.D
Acq: 01 Nov 2019 10:54

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.6
130	71.0	59.4	89.0





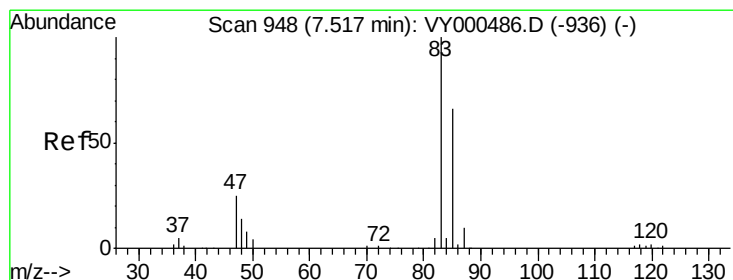
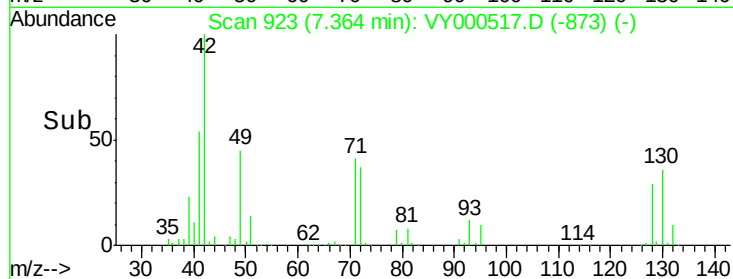
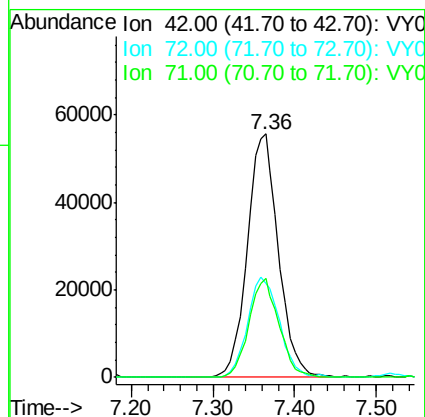
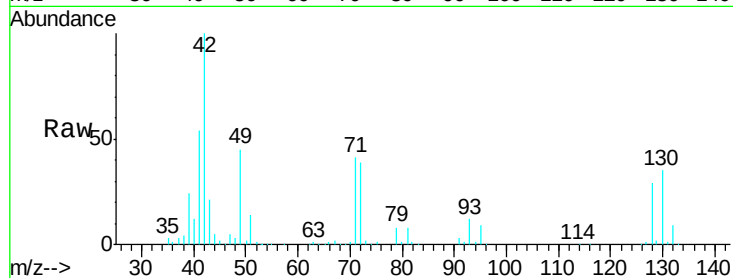
#29
Tetrahydrofuran
Concen: 228.596 ug/l
RT: 7.36 min Scan# 923
Delta R.T. 0.01 min
Lab File: VY000517.D
Acq: 01 Nov 2019 10:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
42	100	147388		
72	42.2	34.0	51.0	
71	39.3	30.8	46.2	

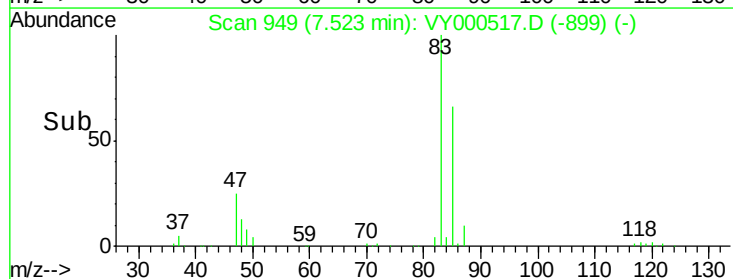
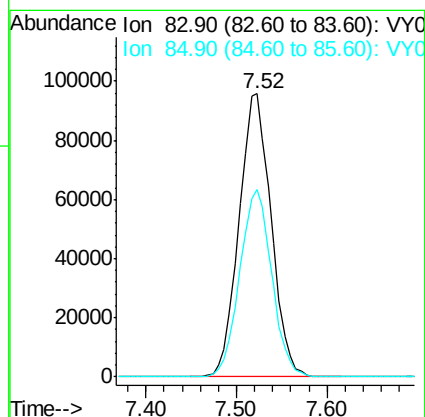
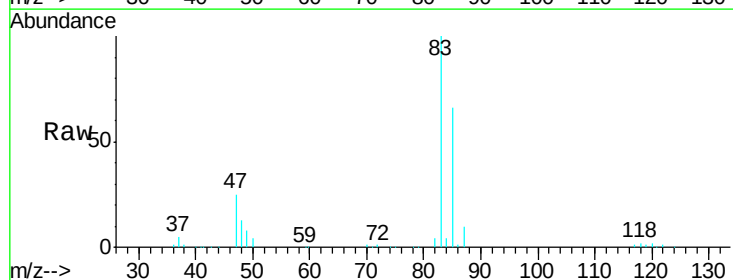
Manual Integrations
APPROVED

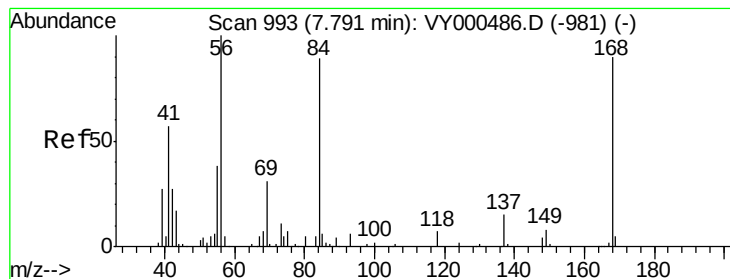
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11/4/2019 3:40:22 PM



#30
Chloroform
Concen: 52.418 ug/l
RT: 7.52 min Scan# 949
Delta R.T. 0.01 min
Lab File: VY000517.D
Acq: 01 Nov 2019 10:54

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	234813		
85	66.2	53.0	79.4	





#31

Cyclohexane

Concen: 49.578 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.00 min

Lab File: VY000517.D

Acq: 01 Nov 2019 10:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 229942

Ion Ratio Lower Upper

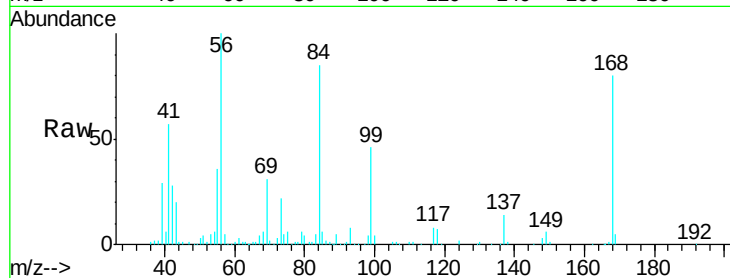
56 100

69 30.5 25.0 37.6

84 83.1 71.4 107.2

Manual Integrations
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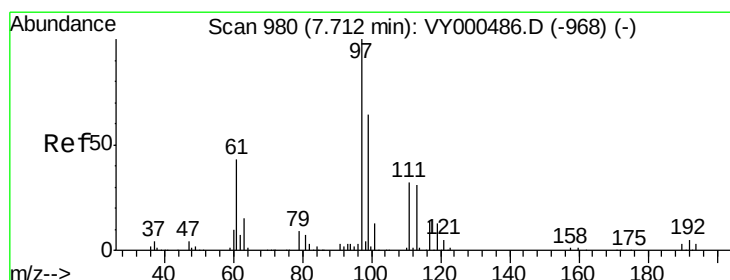
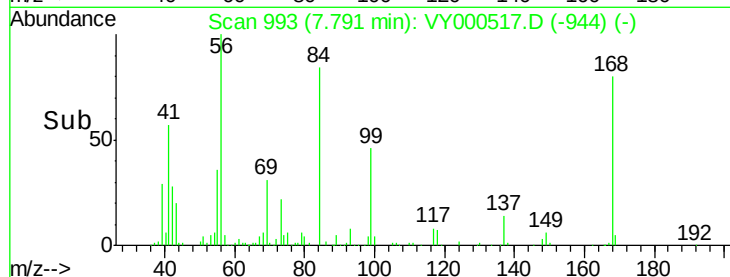
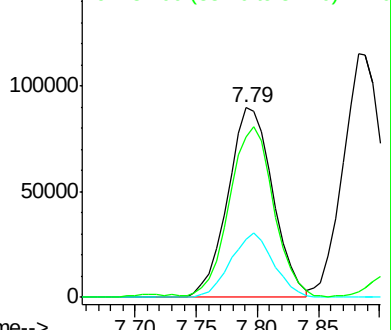


Abundance

Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0



#32

1,1,1-Trichloroethane

Concen: 52.352 ug/l

RT: 7.71 min Scan# 980

Delta R.T. -0.00 min

Lab File: VY000517.D

Acq: 01 Nov 2019 10:54

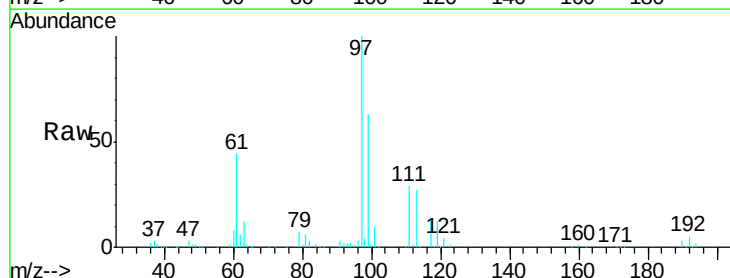
Tgt Ion: 97 Resp: 209006

Ion Ratio Lower Upper

97 100

99 65.0 50.9 76.3

61 44.1 34.9 52.3

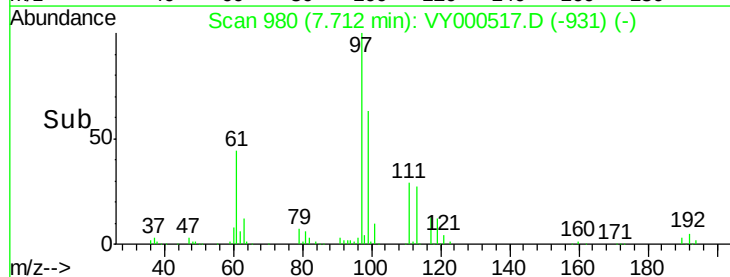
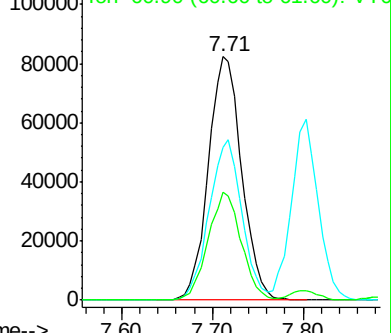


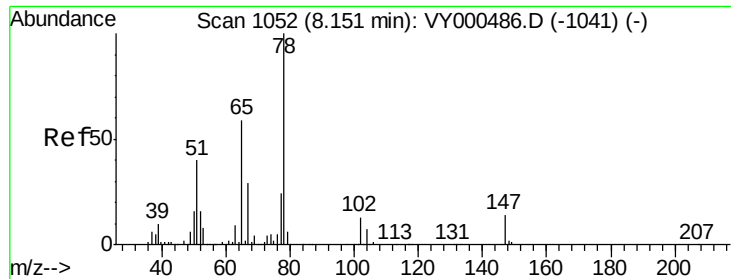
Abundance

Ion 96.90 (96.60 to 97.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

Ion 60.90 (60.60 to 61.60): VY0





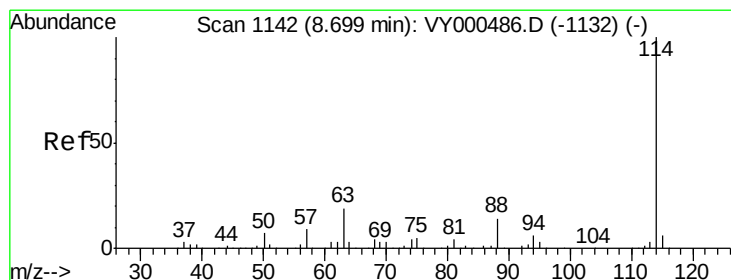
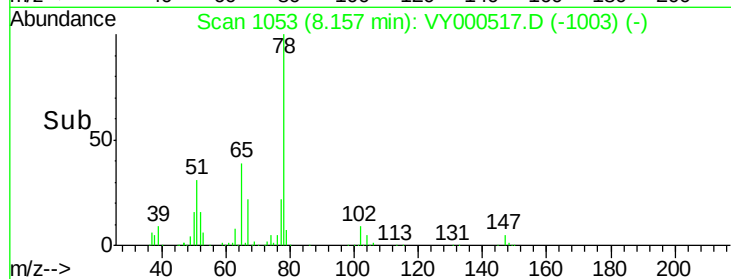
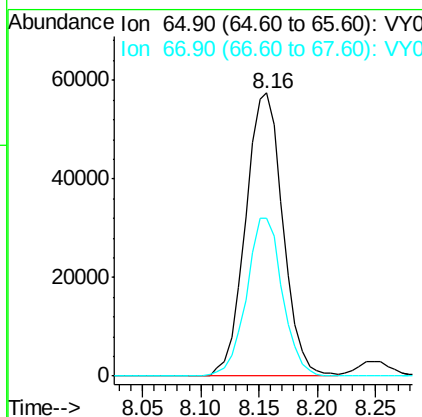
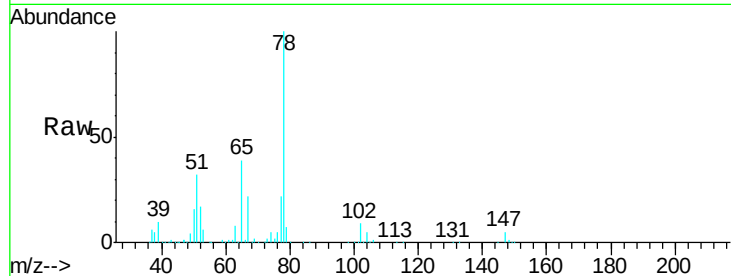
#33
 1,2-Dichloroethane-d4
 Concen: 53.497 ug/l
 RT: 8.16 min Scan# 1053
 Delta R.T. 0.01 min
 Lab File: VY000517.D
 Acq: 01 Nov 2019 10:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	128183		
67	53.9	0.0	107.2	

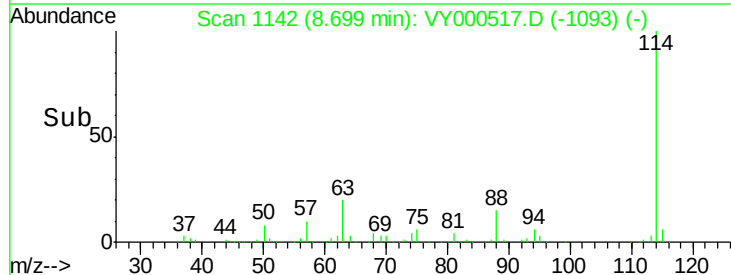
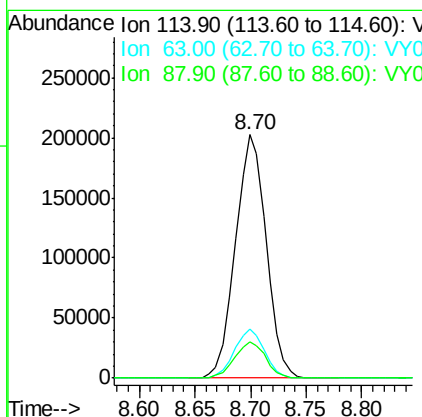
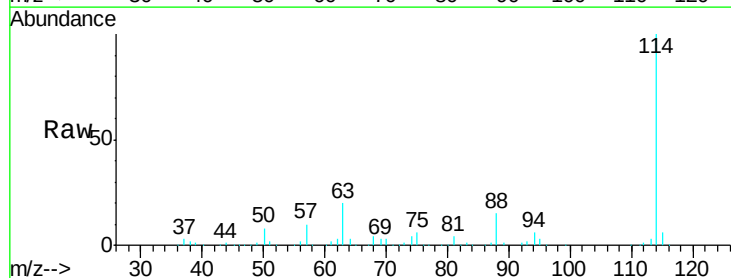
Manual Integrations
 APPROVED

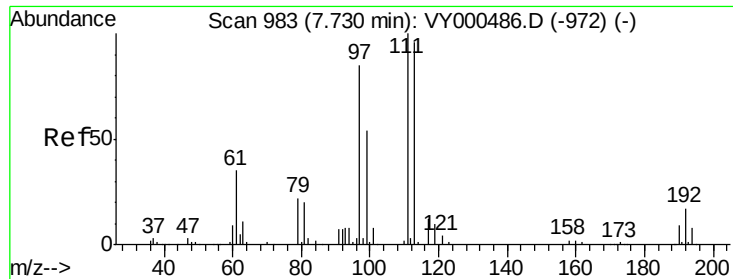
MMDadoda
 11/4/2019 3:40:22 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.00 min
 Lab File: VY000517.D
 Acq: 01 Nov 2019 10:54

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	386375		
63	20.0	0.0	38.0	
88	14.9	0.0	28.6	





#35

Dibromofluoromethane

Concen: 50.687 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.00 min

Lab File: VY000517.D

Acq: 01 Nov 2019 10:54

Instrument :

MSVOA_Y

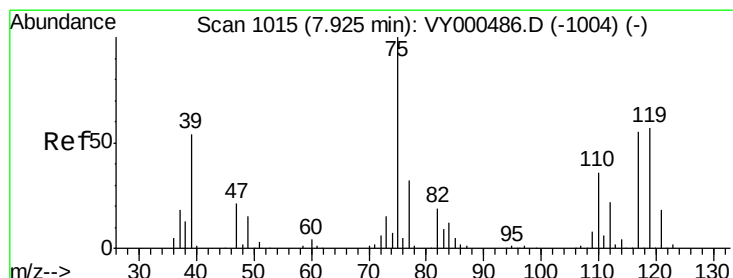
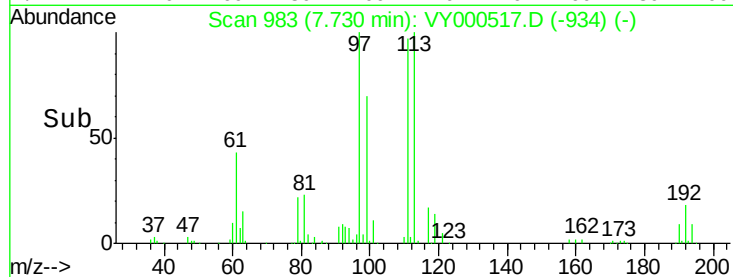
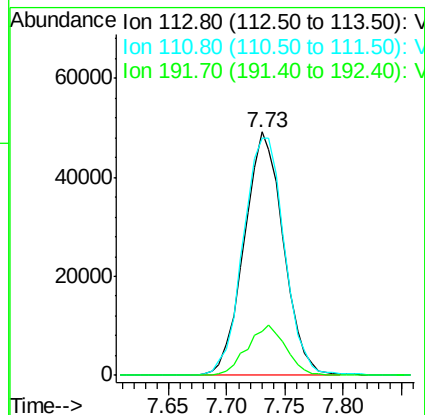
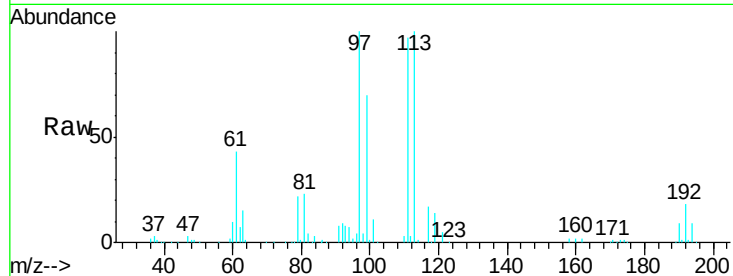
ClientSampleId :

VSTDCCC050

Tgt Ion:	113	Resp:	114973
Ion Ratio	Lower	Upper	
113	100		
111	103.1	81.7	122.5
192	20.4	15.0	22.4

Manual Integrations
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11/4/2019 3:40:22 PM



#36

1,1-Dichloropropene

Concen: 51.533 ug/l

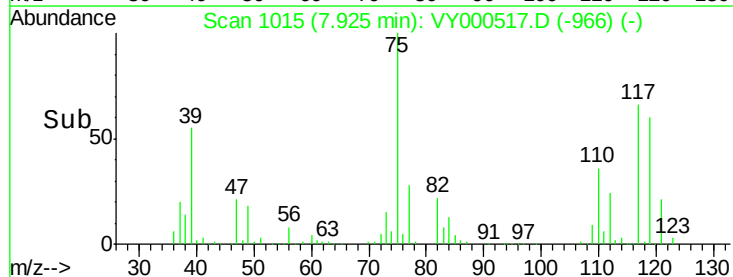
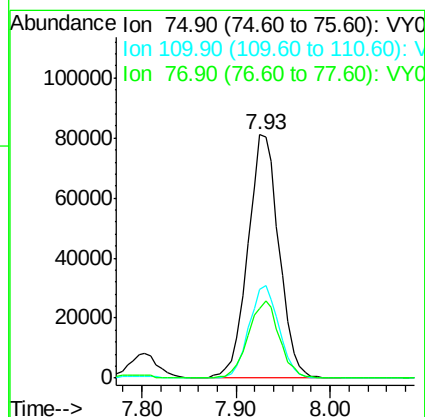
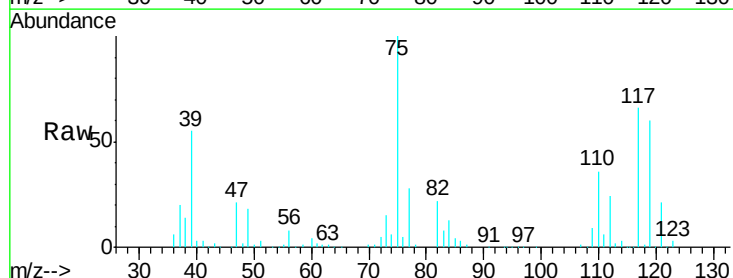
RT: 7.93 min Scan# 1015

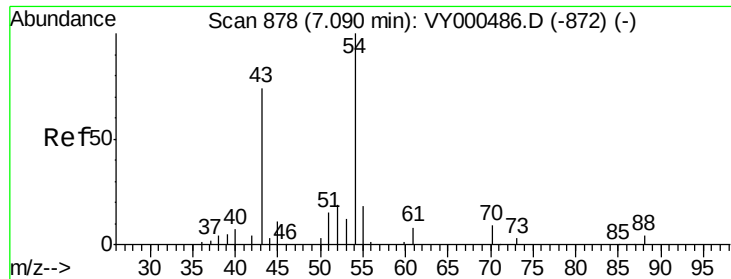
Delta R.T. -0.00 min

Lab File: VY000517.D

Acq: 01 Nov 2019 10:54

Tgt Ion:	75	Resp:	188231
Ion Ratio	Lower	Upper	
75	100		
110	36.4	18.1	54.1
77	31.6	25.0	37.6





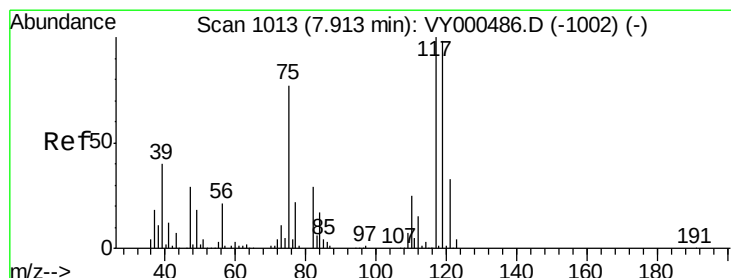
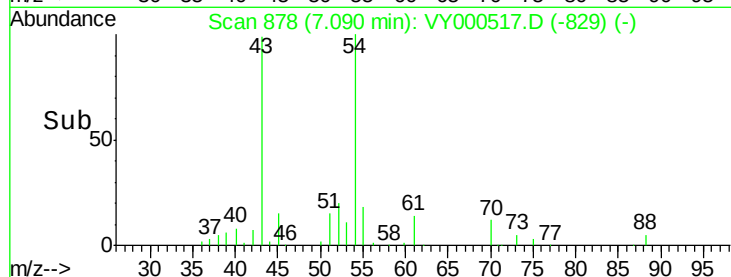
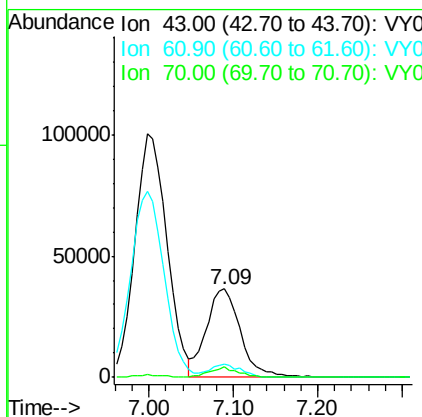
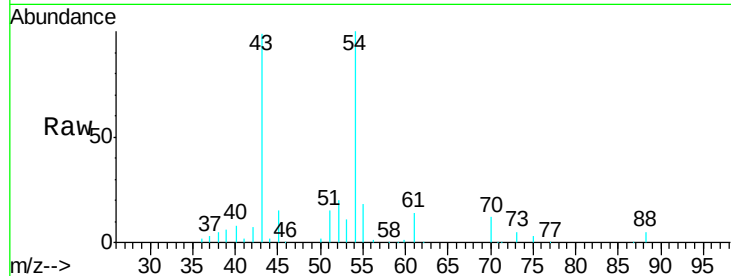
#37
Ethyl Acetate
Concen: 47.550 ug/l
RT: 7.09 min Scan# 878
Delta R.T. -0.00 min
Lab File: VY000517.D
Acq: 01 Nov 2019 10:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.2	15.2
70	9.8	7.8	11.8

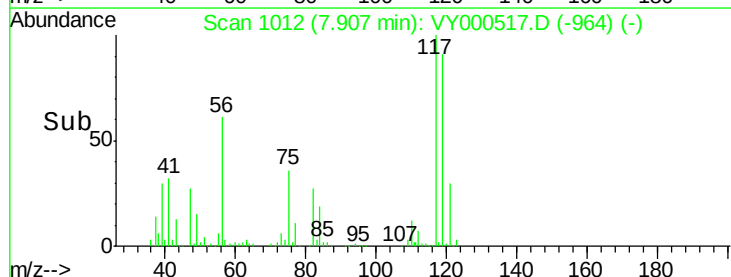
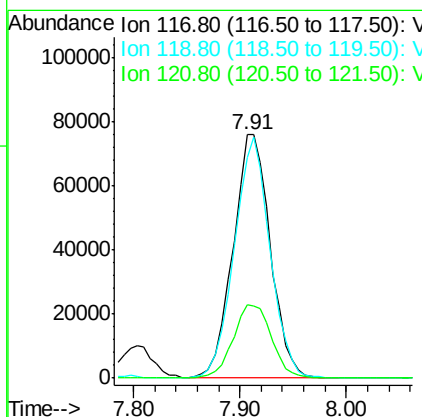
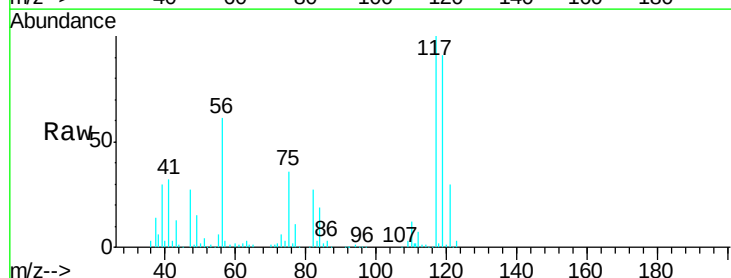
Manual Integrations
APPROVED

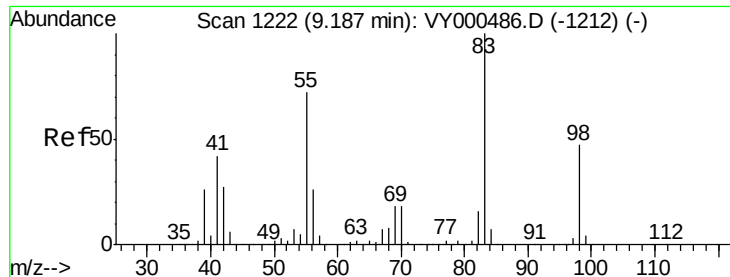
MMDadoda
11/4/2019 3:40:22 PM



#38
Carbon Tetrachloride
Concen: 53.012 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. -0.01 min
Lab File: VY000517.D
Acq: 01 Nov 2019 10:54

Tgt Ion	Ratio	Lower	Upper
117	100		
119	90.6	78.0	117.0
121	30.2	26.6	40.0





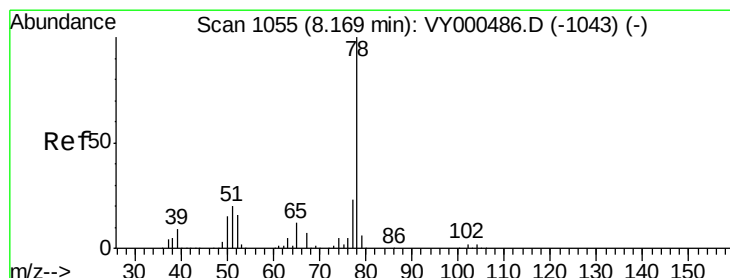
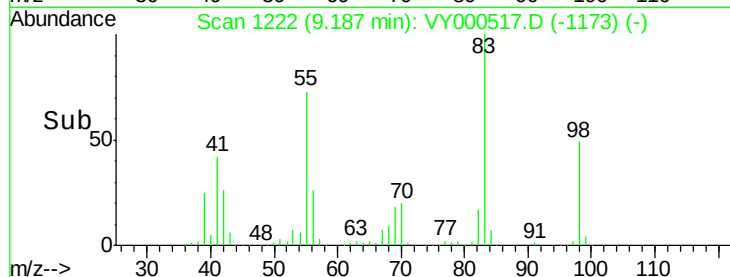
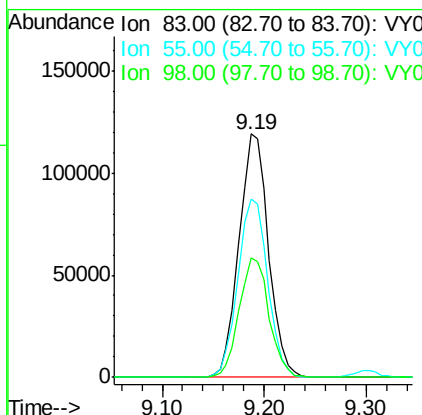
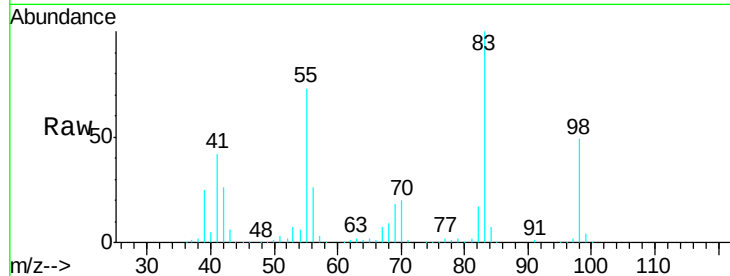
#39
Methylcyclohexane
Concen: 50.645 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.00 min
Lab File: VY000517.D
Acq: 01 Nov 2019 10:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
83	100		
55	73.3	57.5	86.3
98	49.2	38.0	57.0

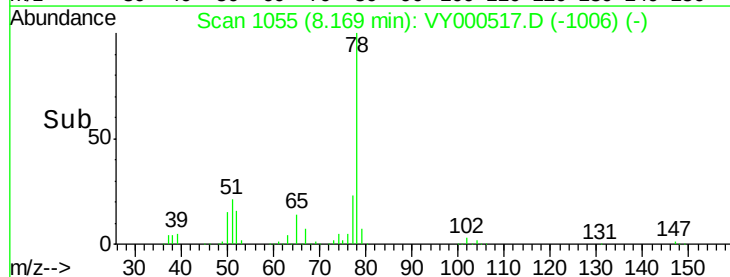
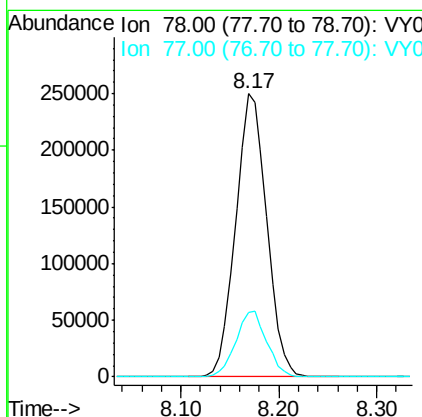
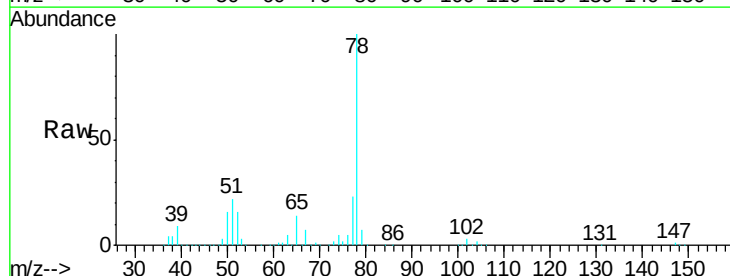
Manual Integrations
APPROVED

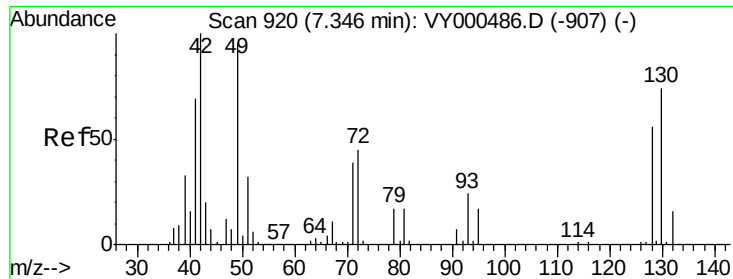
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#40
Benzene
Concen: 51.321 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. -0.00 min
Lab File: VY000517.D
Acq: 01 Nov 2019 10:54

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.7	18.6	28.0





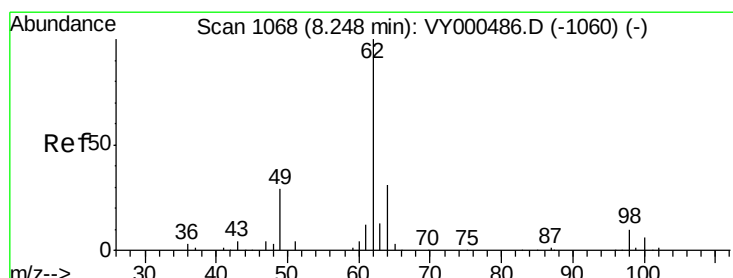
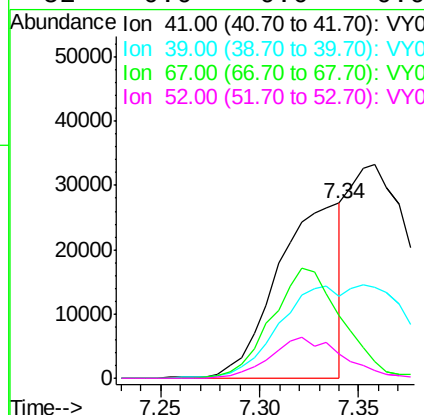
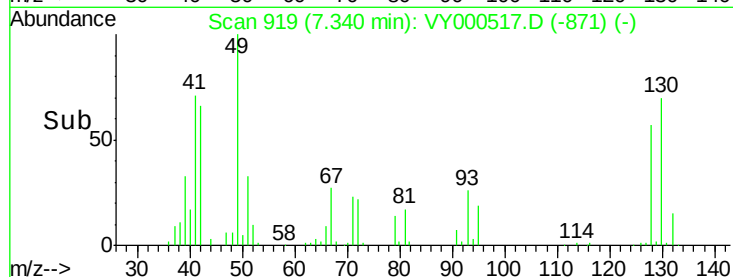
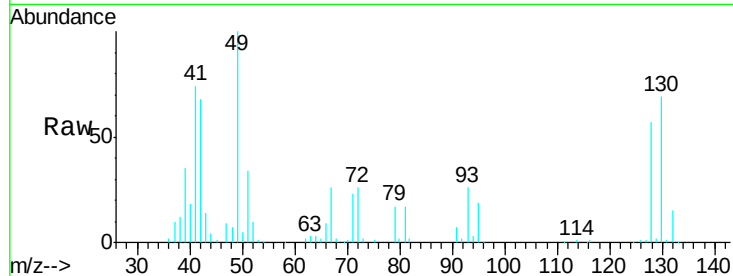
#41
Methacrylonitrile
Concen: 50.542 ug/l m
RT: 7.34 min Scan# 919
Delta R.T. -0.01 min
Lab File: VY000517.D
Acq: 01 Nov 2019 10:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 41 Resp: 61143
Ion Ratio Lower Upper
41 100
39 0.0 68.2 102.4#
67 0.0 0.0 0.0
52 0.0 0.0 0.0

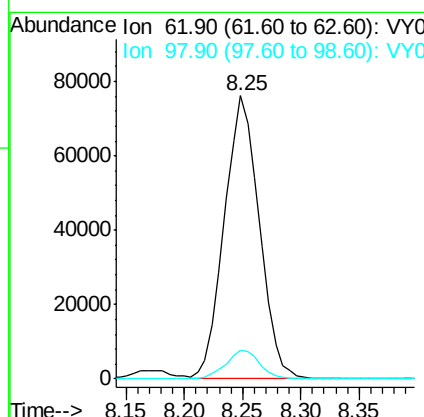
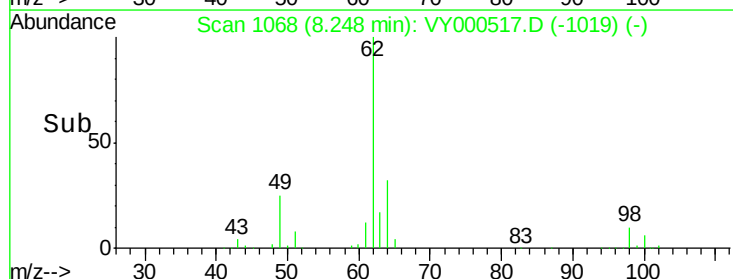
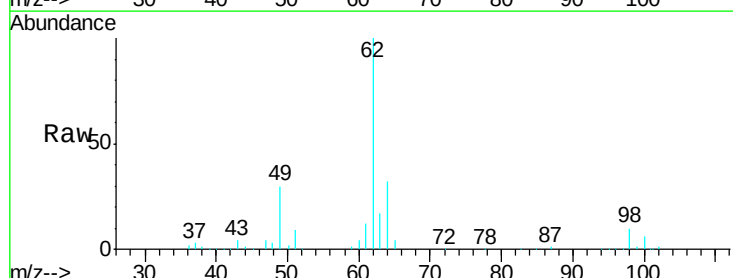
Manual Integrations
APPROVED

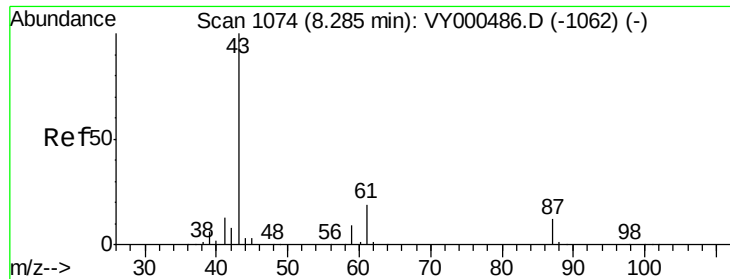
MMDadoda
11/4/2019 3:40:22 PM



#42
1,2-Dichloroethane
Concen: 52.373 ug/l
RT: 8.25 min Scan# 1068
Delta R.T. -0.00 min
Lab File: VY000517.D
Acq: 01 Nov 2019 10:54

Tgt Ion: 62 Resp: 159069
Ion Ratio Lower Upper
62 100
98 9.9 0.0 19.2





#43

Isopropyl Acetate

Concen: 47.696 ug/l

RT: 8.28 min Scan# 1074

Delta R.T. -0.00 min

Lab File: VY000517.D

Acq: 01 Nov 2019 10:54

Instrument :

MSVOA_Y

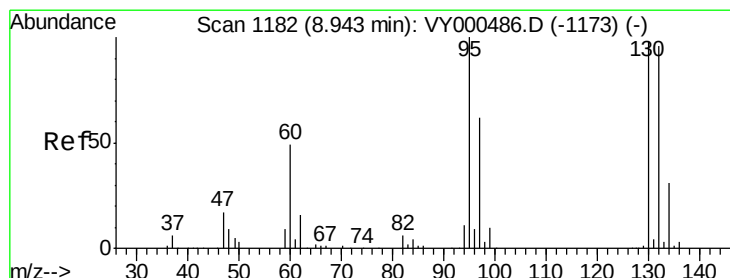
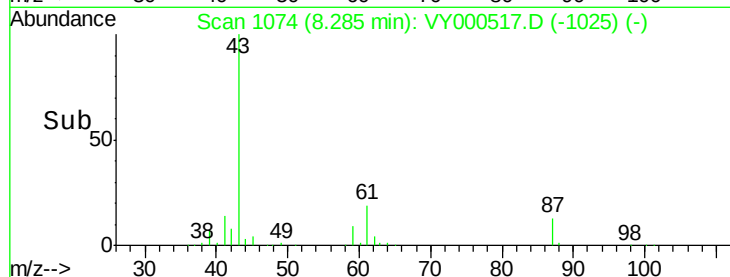
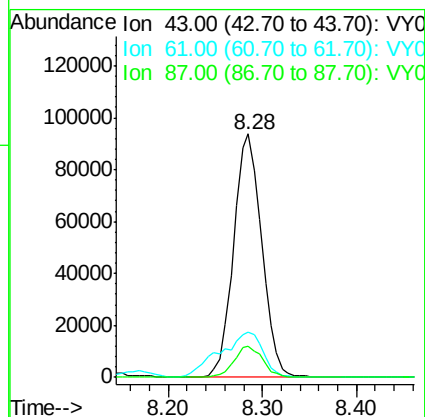
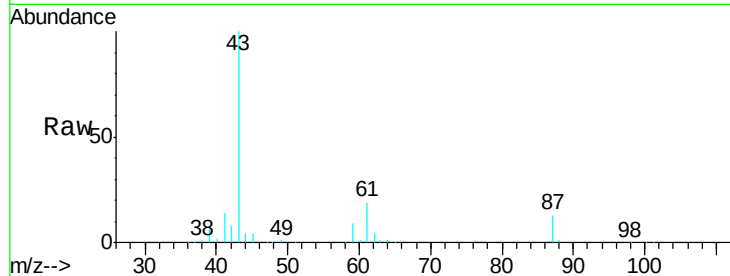
ClientSampleId :

VSTDCCC050

Tgt Ion:	43	Resp:	194298
Ion	Ratio	Lower	Upper
43	100		
61	28.4	23.0	34.4
87	12.9	10.5	15.7

Manual Integrations
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11/4/2019 3:40:22 PM



#44

Trichloroethene

Concen: 52.345 ug/l

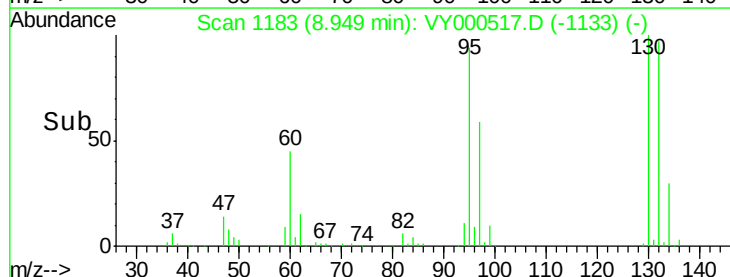
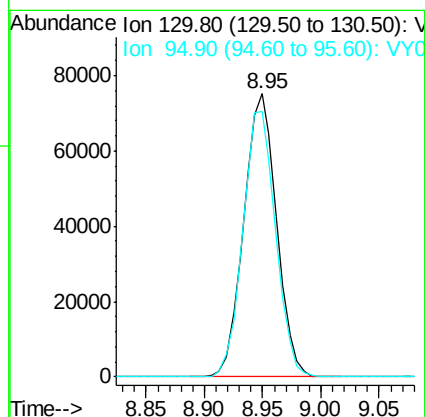
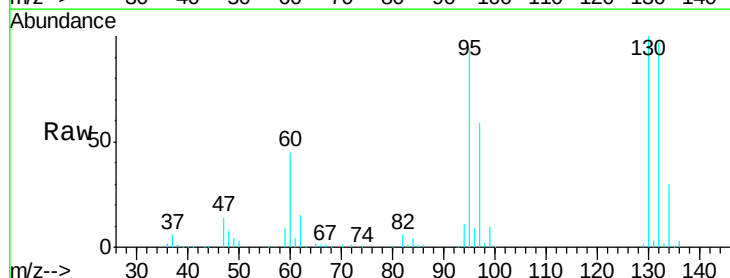
RT: 8.95 min Scan# 1183

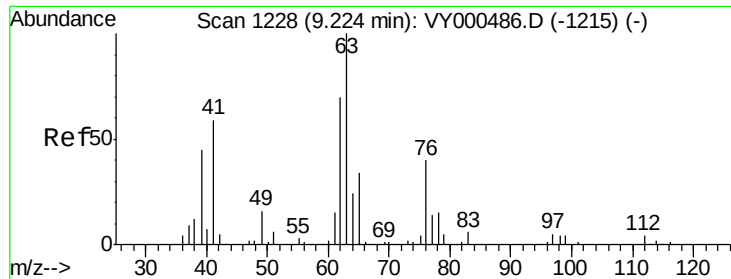
Delta R.T. 0.01 min

Lab File: VY000517.D

Acq: 01 Nov 2019 10:54

Tgt Ion:	130	Resp:	147794
Ion	Ratio	Lower	Upper
130	100		
95	93.6	0.0	203.2





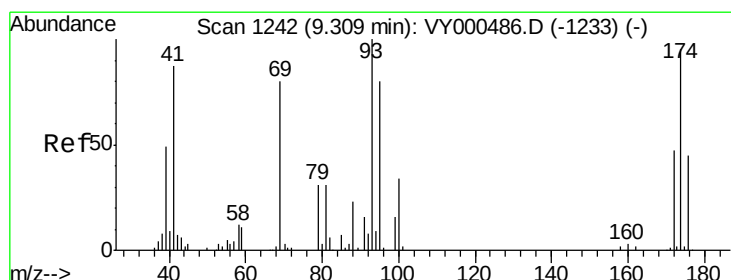
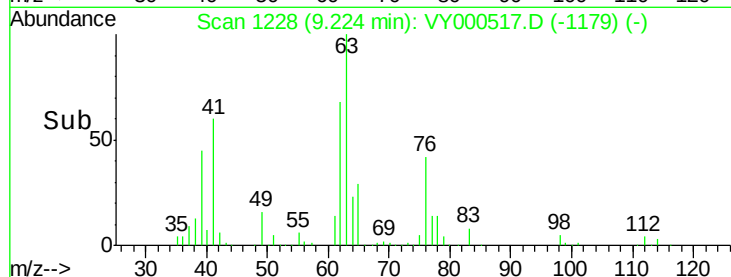
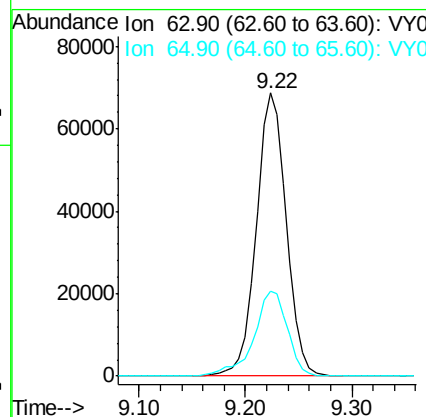
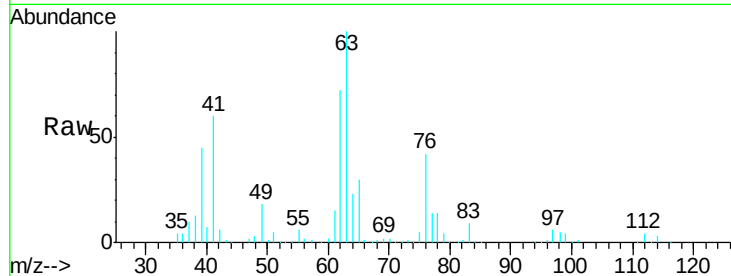
#45
 1,2-Dichloropropane
 Concen: 51.366 ug/l
 RT: 9.22 min Scan# 1228
 Delta R.T. -0.00 min
 Lab File: VY000517.D
 Acq: 01 Nov 2019 10:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 63 Resp: 135378
 Ion Ratio Lower Upper
 63 100
 65 29.8 27.0 40.4

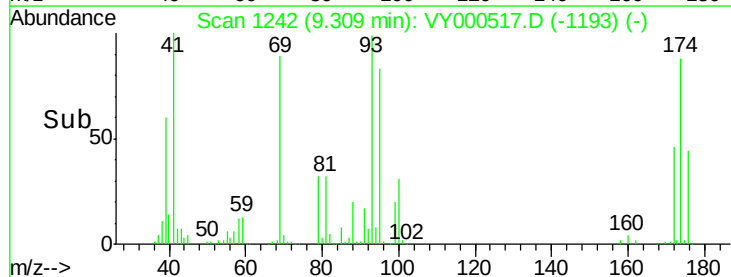
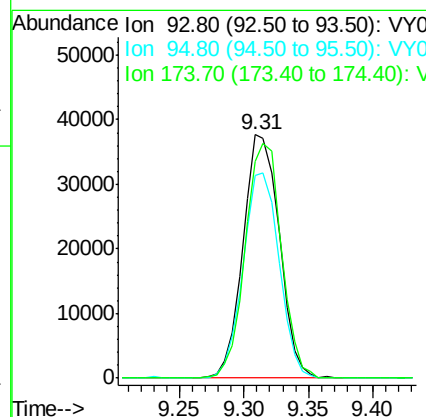
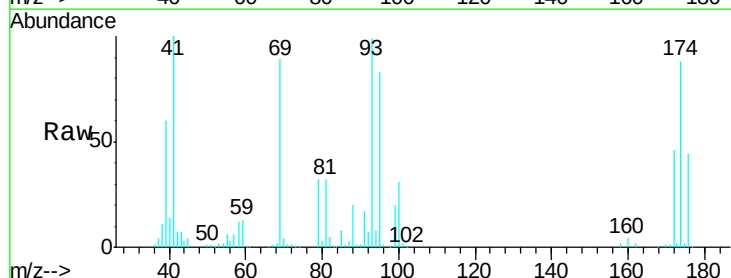
Manual Integrations
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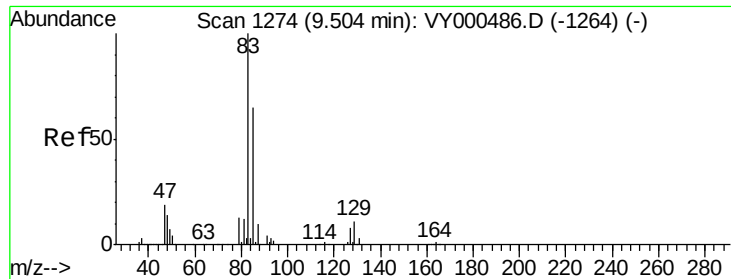
MMDadoda
 11/4/2019 3:40:22 PM



#46
 Dibromomethane
 Concen: 50.685 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. -0.00 min
 Lab File: VY000517.D
 Acq: 01 Nov 2019 10:54

Tgt Ion: 93 Resp: 73467
 Ion Ratio Lower Upper
 93 100
 95 83.8 66.4 99.6
 174 95.6 77.1 115.7





#47

Bromodichloromethane

Concen: 53.402 ug/l

RT: 9.50 min Scan# 1274

Delta R.T. -0.00 min

Lab File: VY000517.D

Acq: 01 Nov 2019 10:54

Instrument :

MSVOA_Y

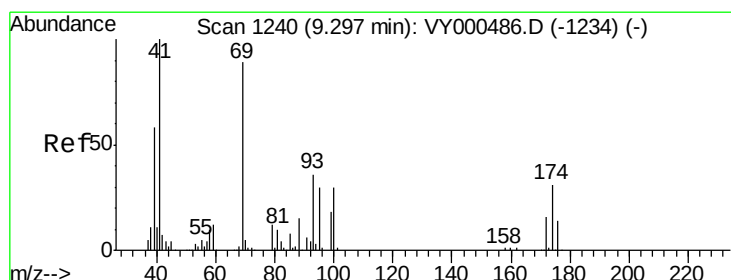
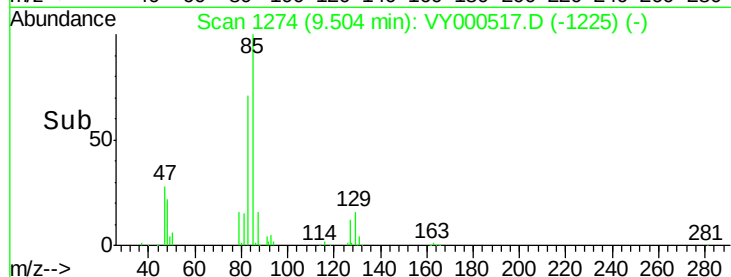
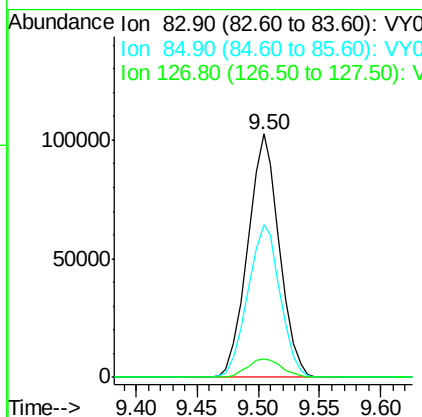
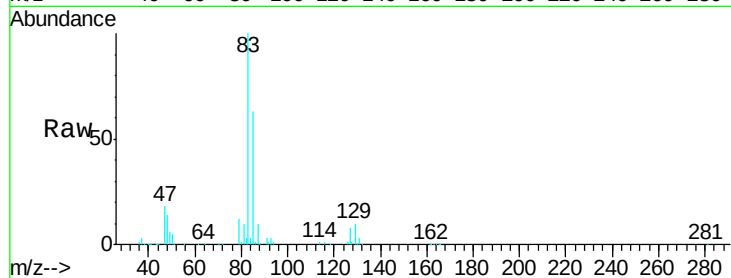
ClientSampleId :

VSTDCCC050

Tgt Ion:	83	Resp:	183666
Ion Ratio	Lower	Upper	
83	100		
85	62.7	51.8	77.8
127	7.6	6.7	10.1

Manual Integrations
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11/4/2019 3:40:22 PM



#48

Methyl methacrylate

Concen: 49.803 ug/l

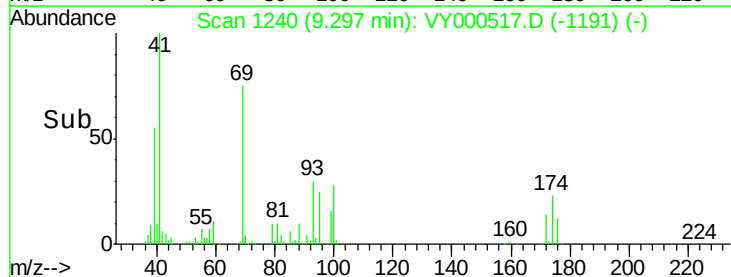
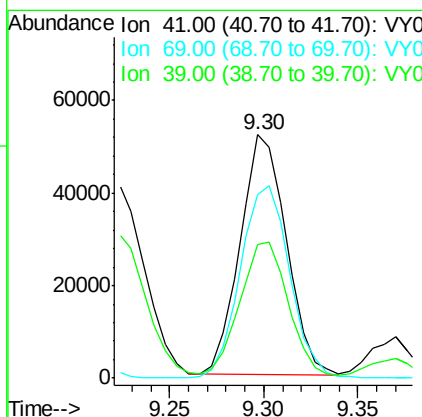
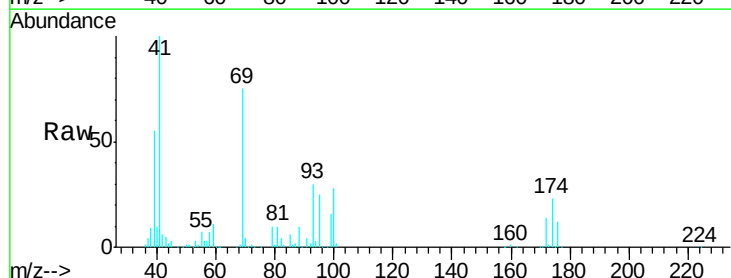
RT: 9.30 min Scan# 1240

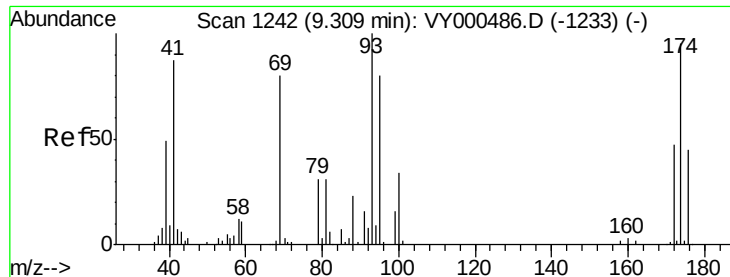
Delta R.T. -0.00 min

Lab File: VY000517.D

Acq: 01 Nov 2019 10:54

Tgt Ion:	41	Resp:	88644
Ion Ratio	Lower	Upper	
41	100		
69	84.9	72.5	108.7
39	60.3	47.8	71.8





#49

1,4-Dioxane

Concen: 937.989 ug/l

RT: 9.31 min Scan# 1242

Delta R.T. -0.00 min

Lab File: VY000517.D

Acq: 01 Nov 2019 10:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 88 Resp: 18298

Ion Ratio Lower Upper

88 100

43 30.4 25.1 37.7

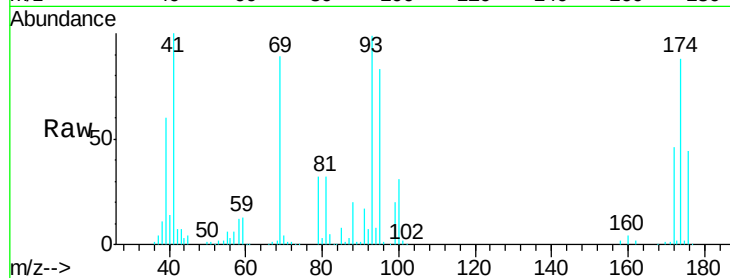
58 71.8 50.6 75.8

Manual Integrations

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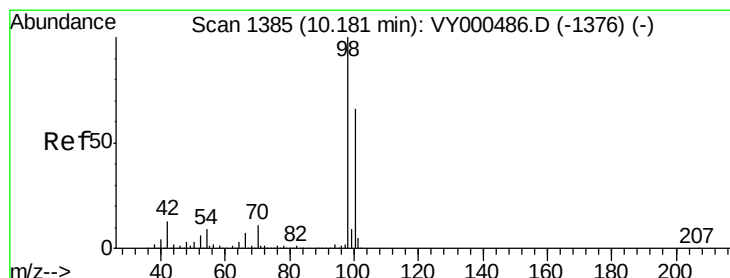
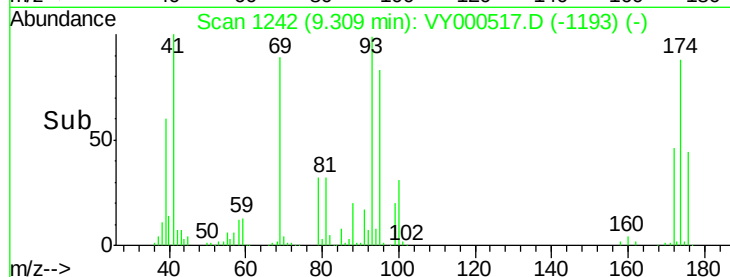
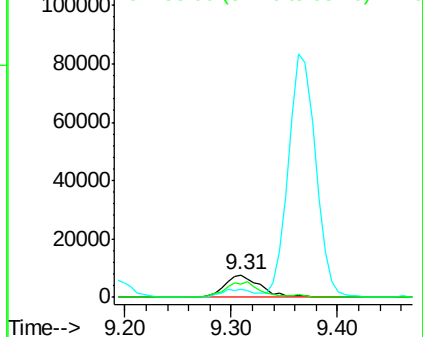
11/4/2019 3:40:22 PM



Abundance Ion 88.00 (87.70 to 88.70): VY000517.D (-1193) (-)

Ion 43.00 (42.70 to 43.70): VY000517.D (-1193) (-)

Ion 58.00 (57.70 to 58.70): VY000517.D (-1193) (-)



#50

Toluene-d8

Concen: 54.975 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. 0.01 min

Lab File: VY000517.D

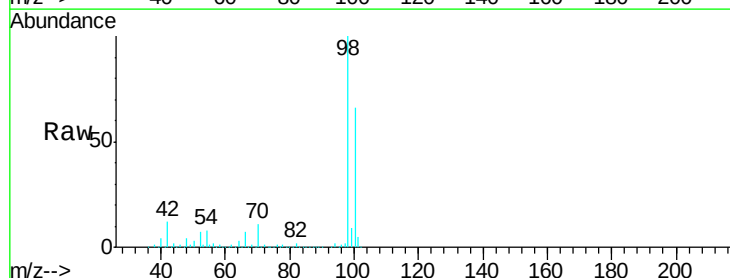
Acq: 01 Nov 2019 10:54

Tgt Ion: 98 Resp: 473164

Ion Ratio Lower Upper

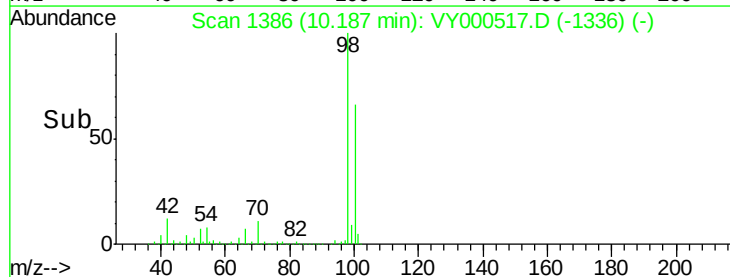
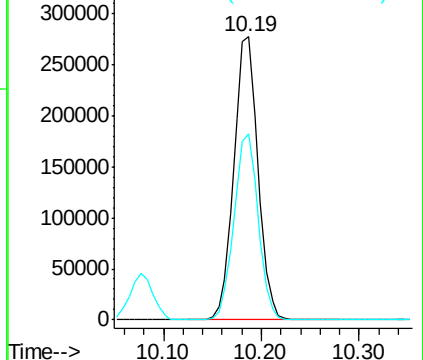
98 100

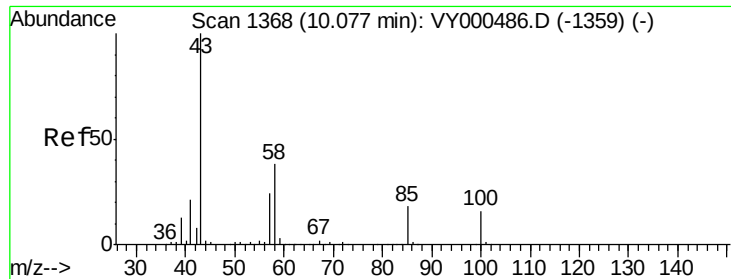
100 65.8 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VY000517.D (-1336) (-)

Ion 100.00 (99.70 to 100.70): VY000517.D (-1336) (-)





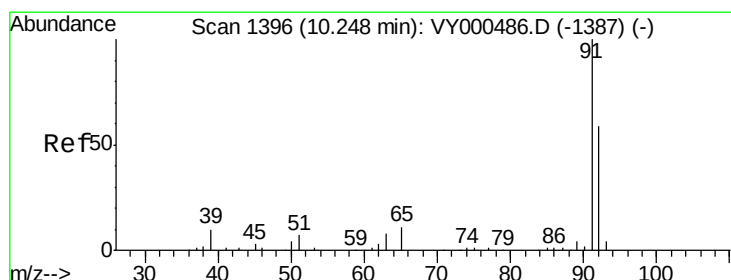
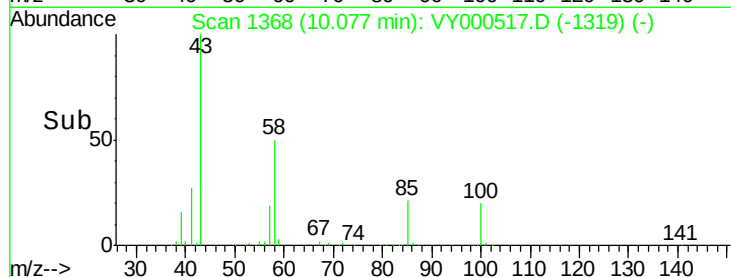
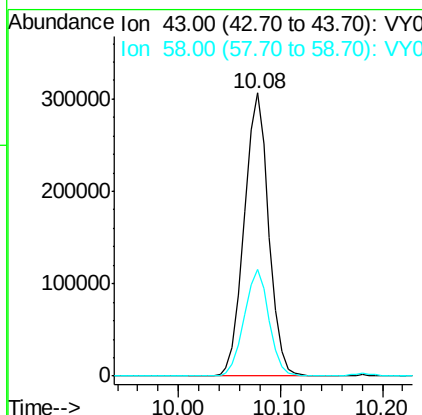
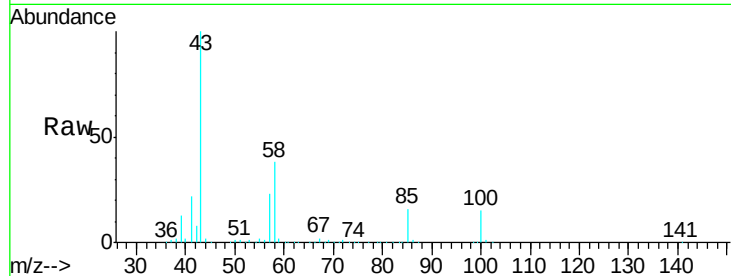
#51
4-Methyl-2-Pentanone
Concen: 235.555 ug/l
RT: 10.08 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VY000517.D
Acq: 01 Nov 2019 10:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 510180
Ion Ratio Lower Upper
43 100
58 37.9 30.2 45.4

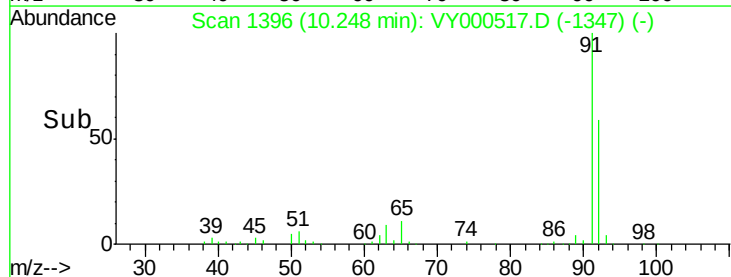
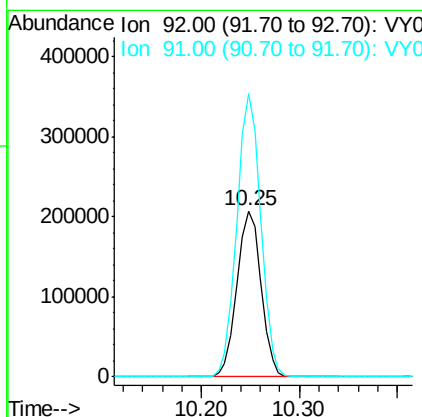
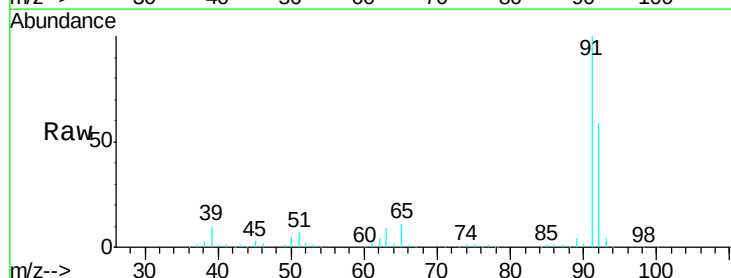
Manual Integrations
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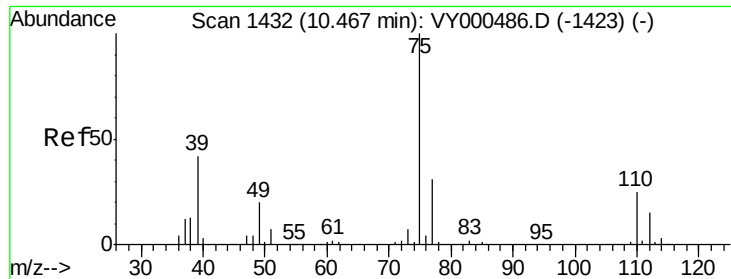
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#52
Toluene
Concen: 52.540 ug/l
RT: 10.25 min Scan# 1396
Delta R.T. -0.00 min
Lab File: VY000517.D
Acq: 01 Nov 2019 10:54

Tgt Ion: 92 Resp: 355715
Ion Ratio Lower Upper
92 100
91 169.0 136.3 204.5





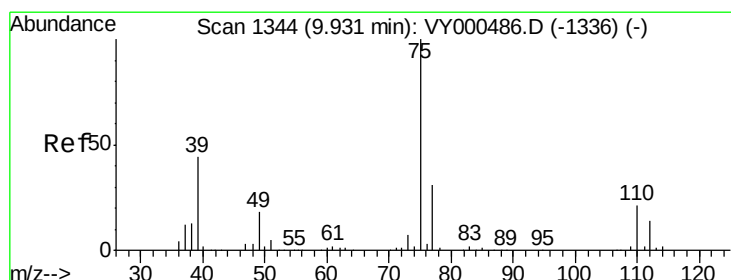
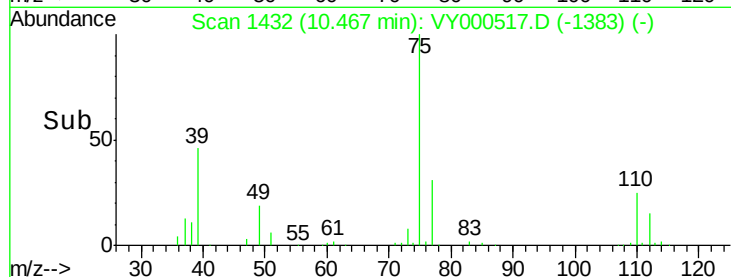
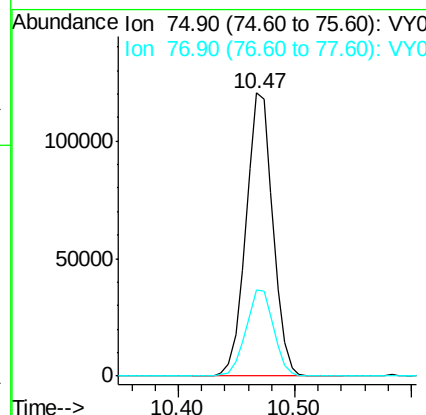
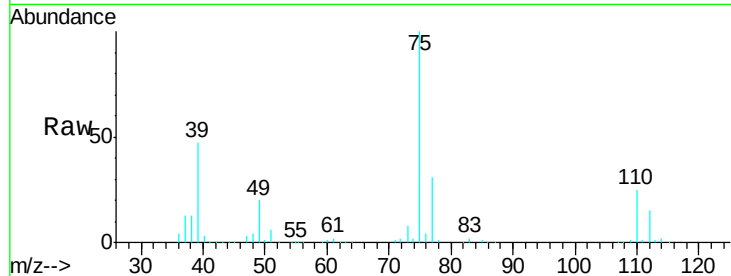
#53
 t-1,3-Dichloropropene
 Concen: 52.841 ug/l
 RT: 10.47 min Scan# 1432
 Delta R.T. -0.00 min
 Lab File: VY000517.D
 Acq: 01 Nov 2019 10:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 75 Resp: 194184
 Ion Ratio Lower Upper
 75 100
 77 30.6 24.6 37.0

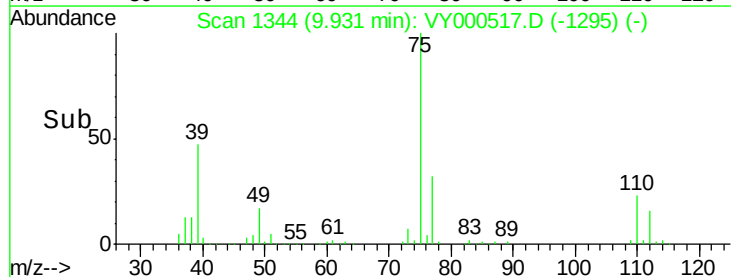
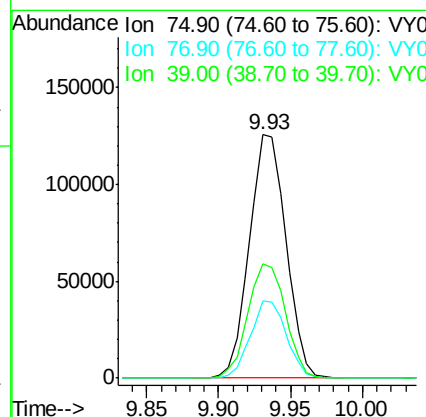
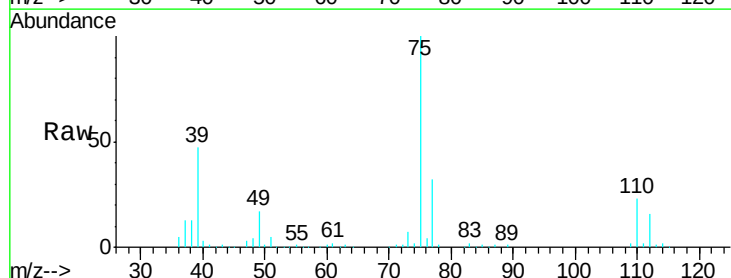
Manual Integrations
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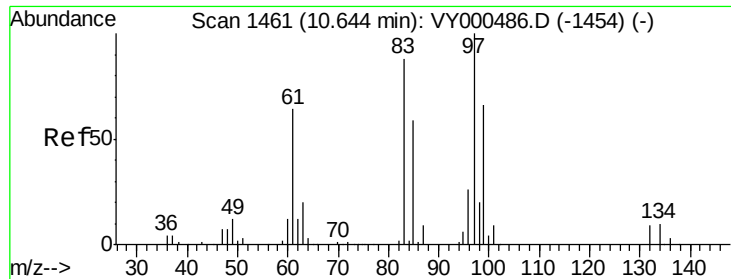
MMDadoda
 11/4/2019 3:40:22 PM



#54
 cis-1,3-Dichloropropene
 Concen: 52.464 ug/l
 RT: 9.93 min Scan# 1344
 Delta R.T. -0.00 min
 Lab File: VY000517.D
 Acq: 01 Nov 2019 10:54

Tgt Ion: 75 Resp: 220872
 Ion Ratio Lower Upper
 75 100
 77 31.5 24.5 36.7
 39 47.1 35.4 53.2





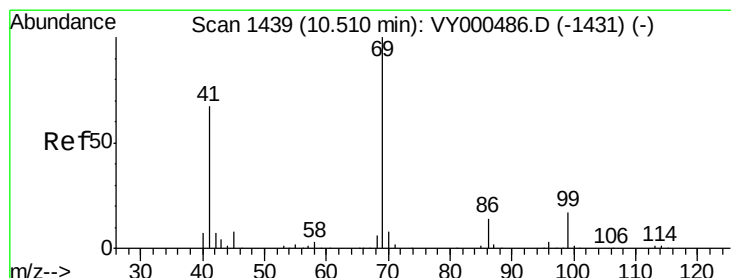
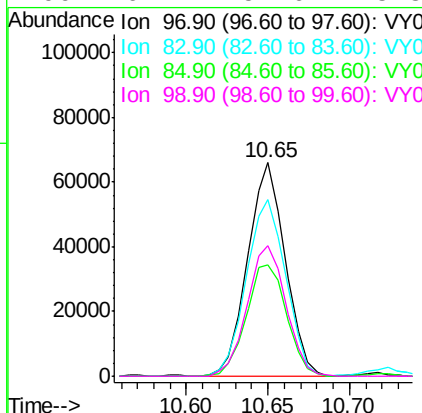
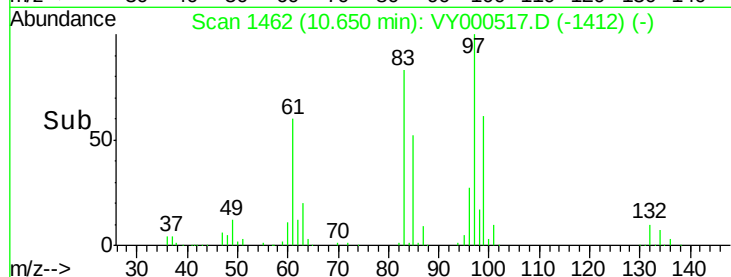
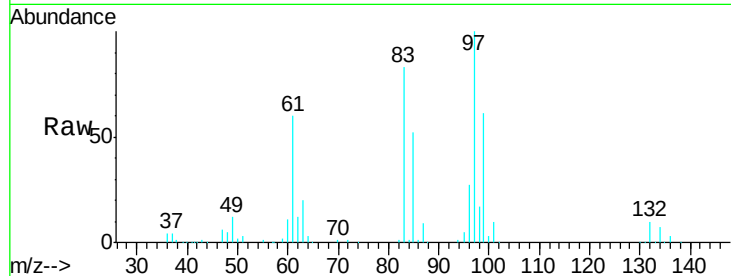
#55
 1,1,2-Trichloroethane
 Concen: 50.372 ug/l
 RT: 10.65 min Scan# 1462
 Delta R.T. 0.01 min
 Lab File: VY000517.D
 Acq: 01 Nov 2019 10:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	105605		
83	83.0	70.2	105.4	
85	52.2	46.9	70.3	
99	61.4	52.6	78.8	

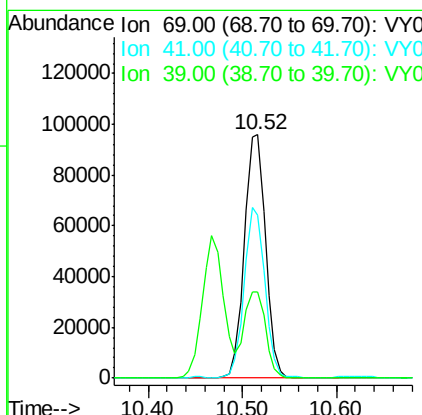
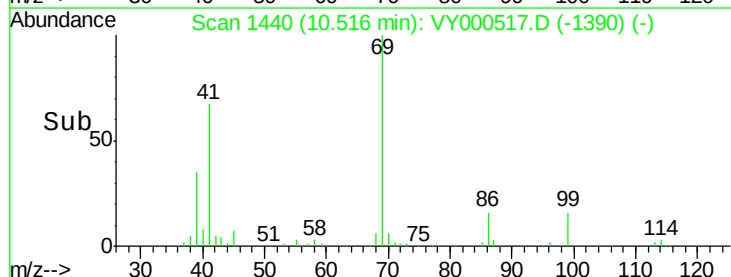
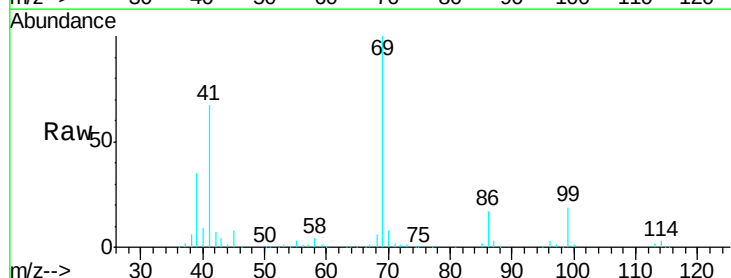
Manual Integrations
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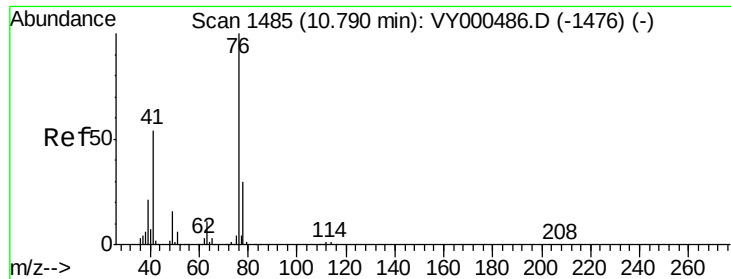
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 11/4/2019 3:40:22 PM



#56
 Ethyl methacrylate
 Concen: 50.932 ug/l
 RT: 10.52 min Scan# 1440
 Delta R.T. 0.01 min
 Lab File: VY000517.D
 Acq: 01 Nov 2019 10:54

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	151341		
41	68.2	53.3	79.9	
39	36.2	28.0	42.0	





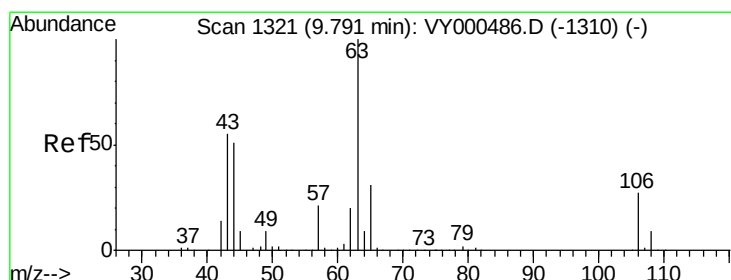
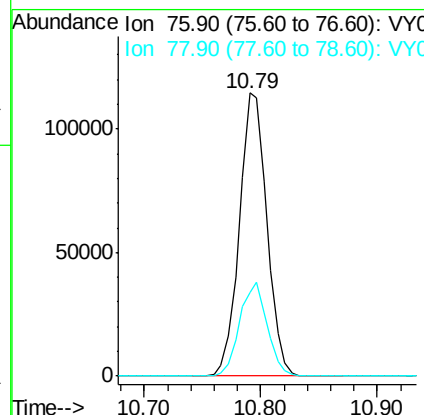
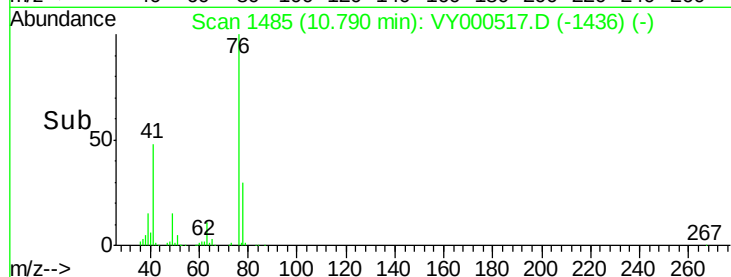
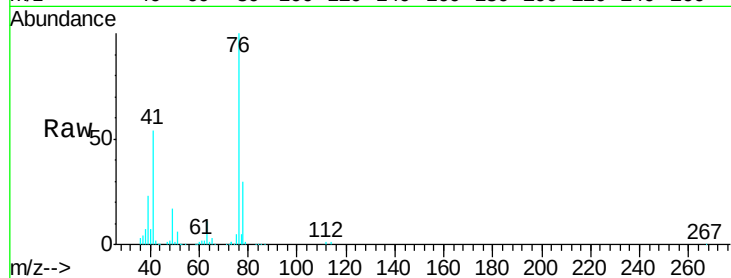
#57
 1,3-Dichloropropane
 Concen: 51.442 ug/l
 RT: 10.79 min Scan# 1485
 Delta R.T. -0.00 min
 Lab File: VY000517.D
 Acq: 01 Nov 2019 10:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 76 Resp: 188754
 Ion Ratio Lower Upper
 76 100
 78 33.3 25.2 37.8

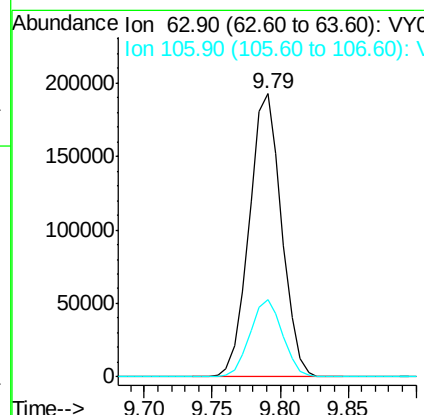
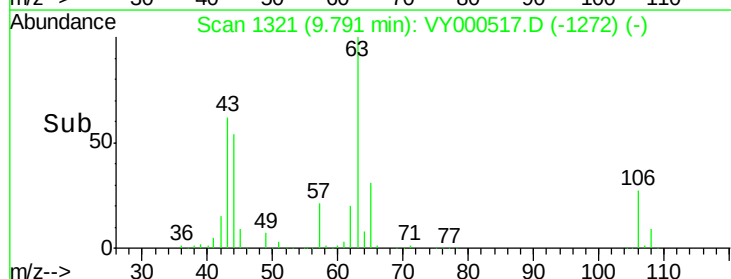
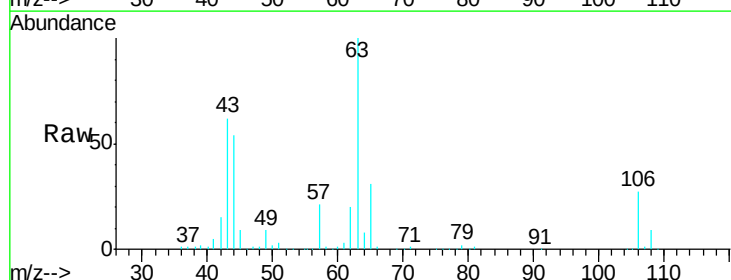
Manual Integrations
 APPROVED

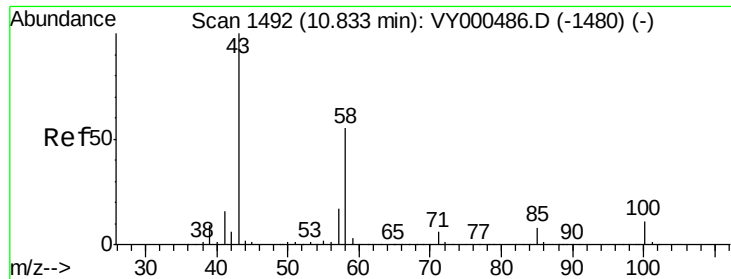
MMDadoda
 11/4/2019 3:40:22 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 238.375 ug/l
 RT: 9.79 min Scan# 1321
 Delta R.T. -0.00 min
 Lab File: VY000517.D
 Acq: 01 Nov 2019 10:54

Tgt Ion: 63 Resp: 320220
 Ion Ratio Lower Upper
 63 100
 106 27.6 22.6 33.8





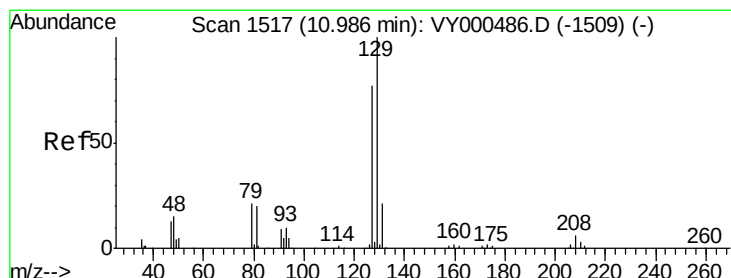
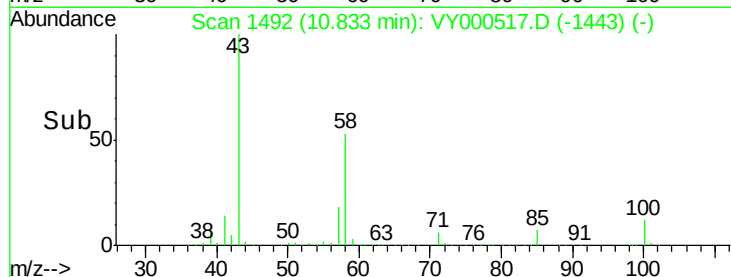
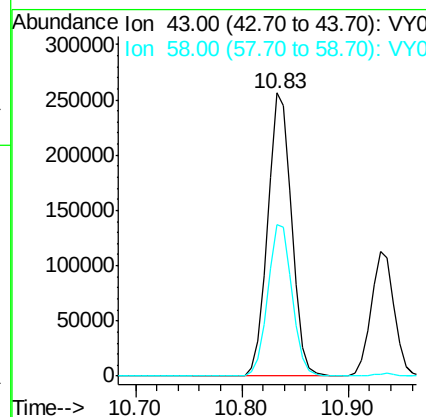
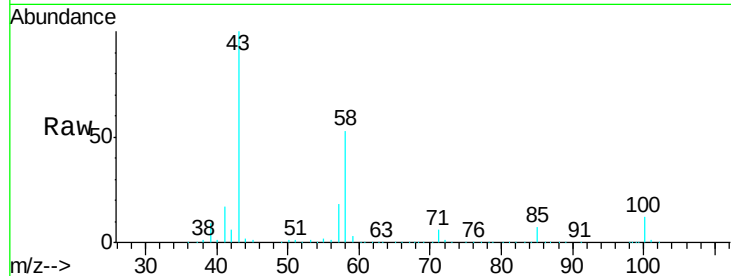
#59
2-Hexanone
Concen: 255.715 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VY000517.D
Acq: 01 Nov 2019 10:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 403527
Ion Ratio Lower Upper
43 100
58 54.3 27.1 81.3

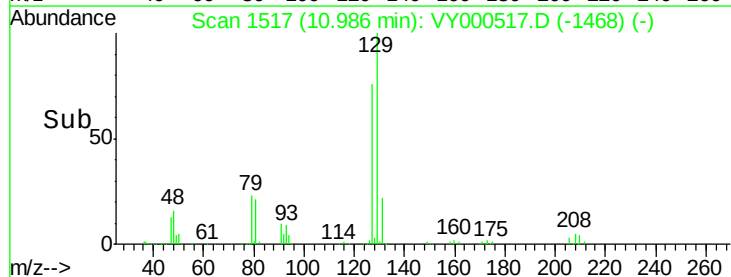
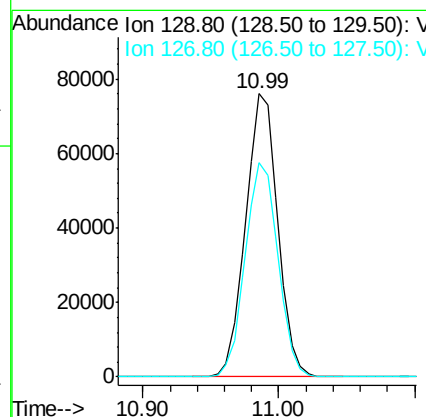
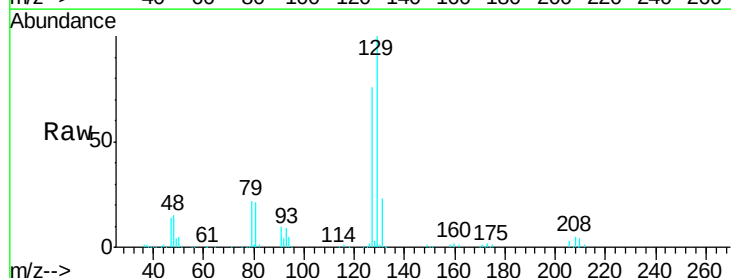
Manual Integrations
APPROVED

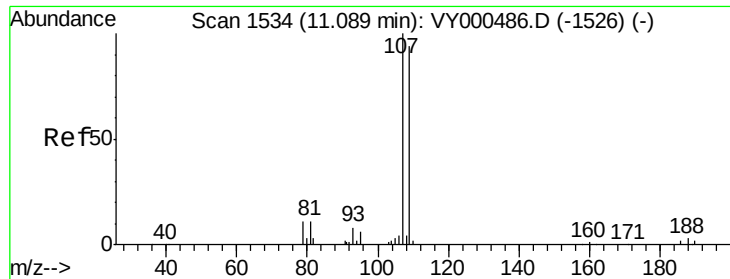
MMDadoda
11/4/2019 3:40:22 PM



#60
Dibromochloromethane
Concen: 52.377 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VY000517.D
Acq: 01 Nov 2019 10:54

Tgt Ion: 129 Resp: 125777
Ion Ratio Lower Upper
129 100
127 77.5 39.1 117.2





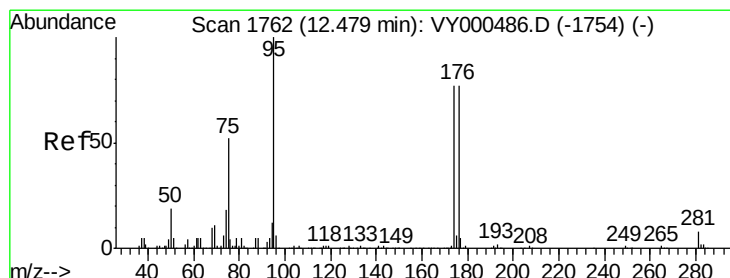
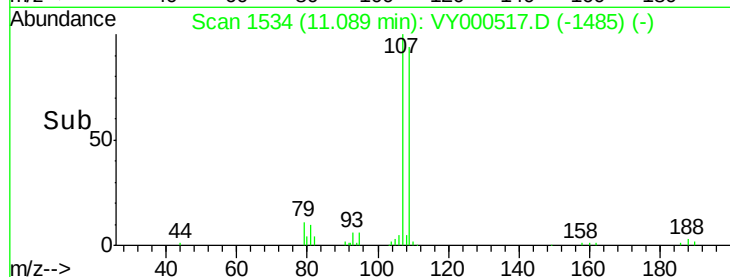
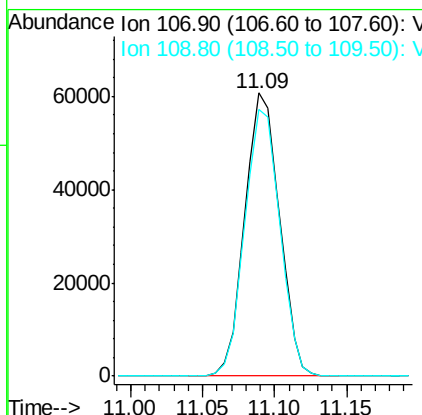
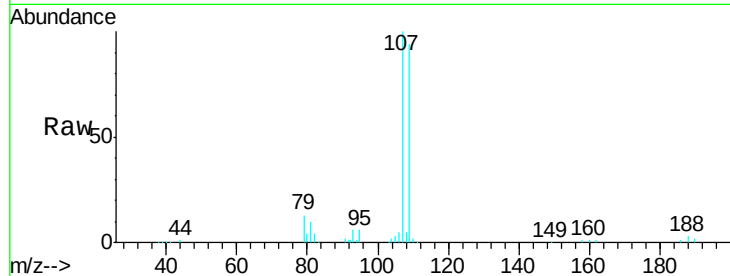
#61
 1,2-Dibromoethane
 Concen: 50.210 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VY000517.D
 Acq: 01 Nov 2019 10:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	101211		
109	95.6	73.6	110.4	

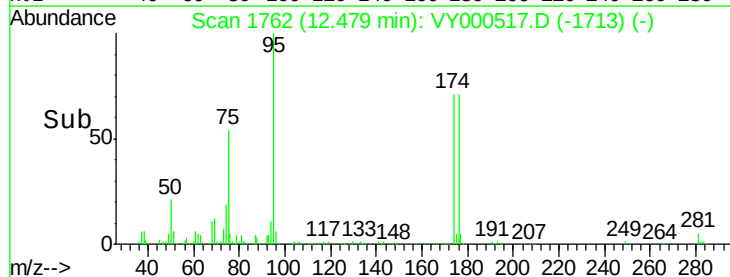
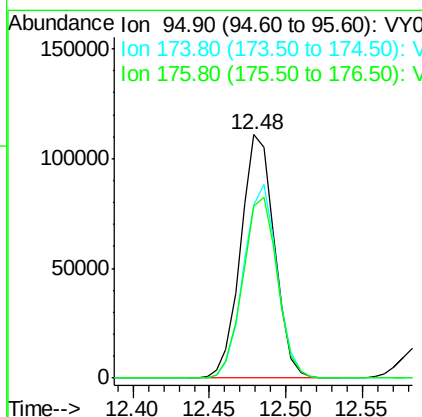
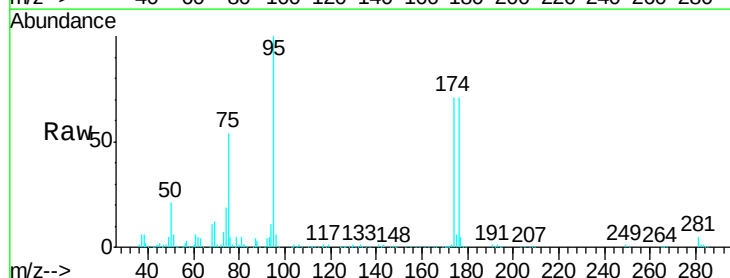
Manual Integrations
 APPROVED

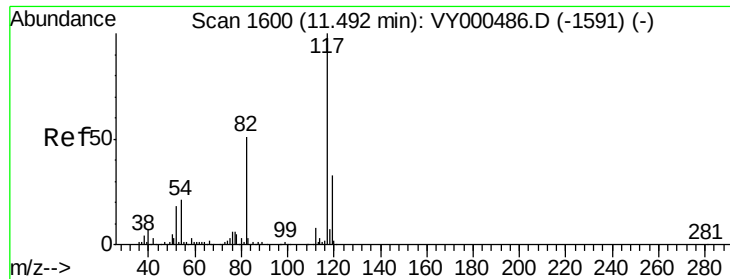
MMDadoda
 11/4/2019 3:40:22 PM



#62
 4-Bromofluorobenzene
 Concen: 51.727 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.00 min
 Lab File: VY000517.D
 Acq: 01 Nov 2019 10:54

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	169488		
174	79.0	0.0	161.6	
176	76.5	0.0	157.8	





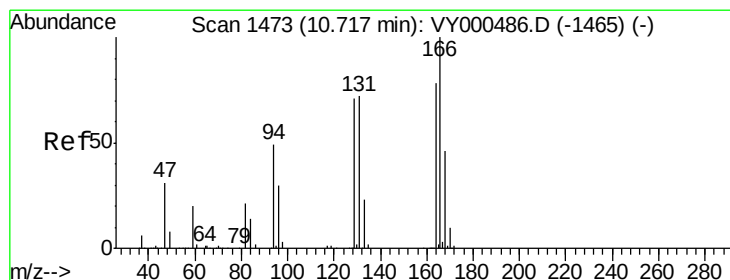
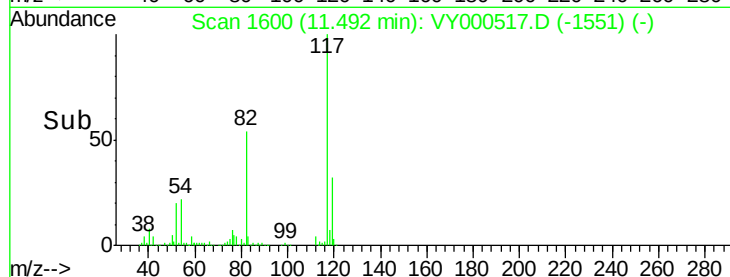
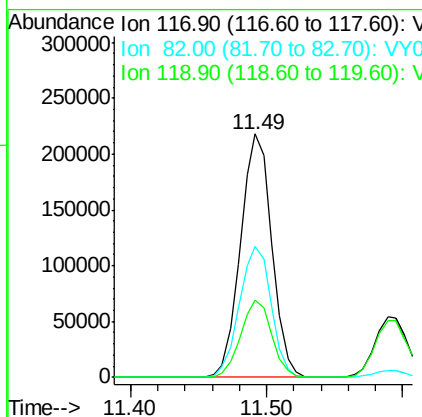
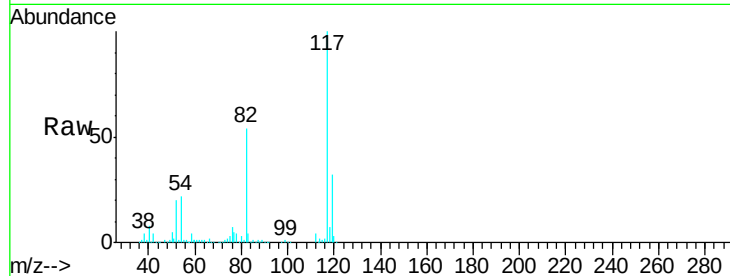
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY000517.D
Acq: 01 Nov 2019 10:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	349349		
82	53.6	40.8	61.2	
119	31.7	26.2	39.2	

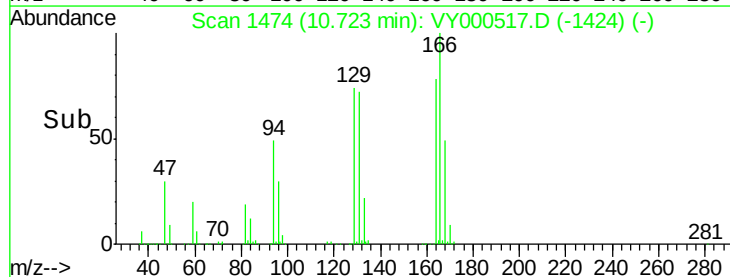
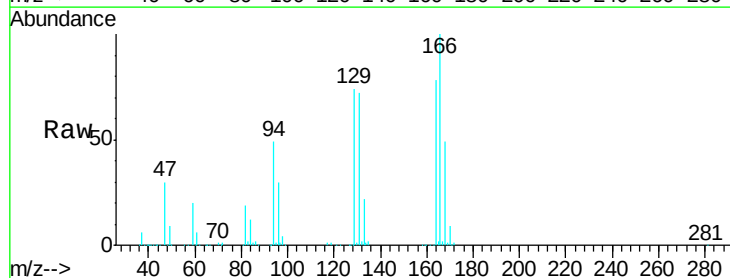
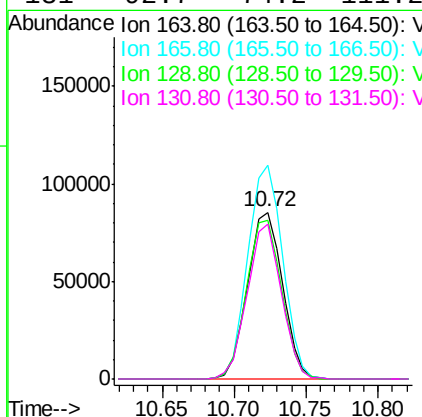
Manual Integrations
APPROVED

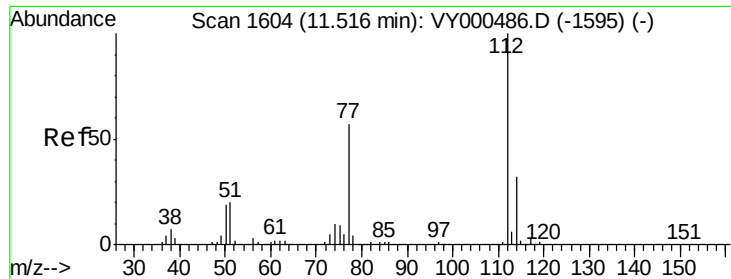
MMDadoda
11/4/2019 3:40:22 PM



#64
Tetrachloroethene
Concen: 49.831 ug/l
RT: 10.72 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VY000517.D
Acq: 01 Nov 2019 10:54

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	143947		
166	128.1	102.7	154.1	
129	95.0	73.2	109.8	
131	92.7	74.2	111.2	





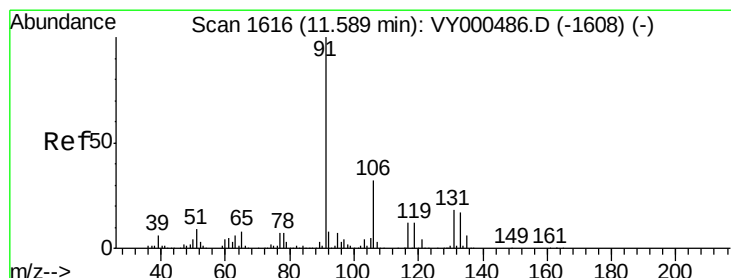
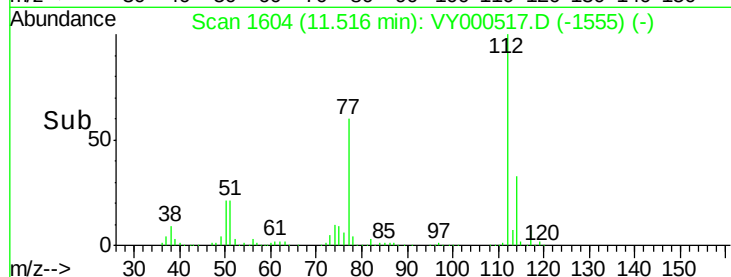
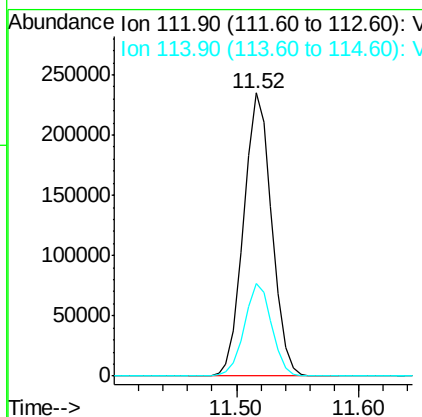
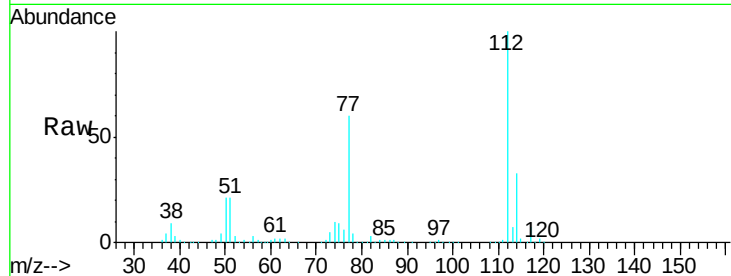
#65
Chlorobenzene
Concen: 52.764 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VY000517.D
Acq: 01 Nov 2019 10:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 373728
Ion Ratio Lower Upper
112 100
114 32.9 25.3 37.9

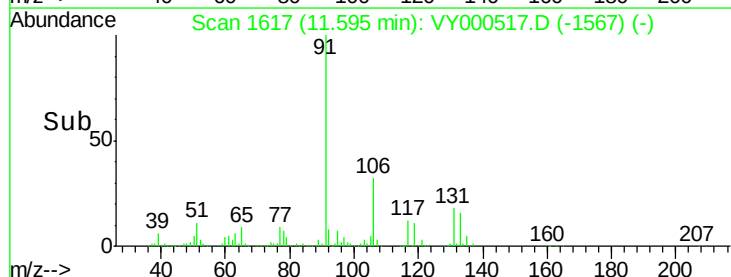
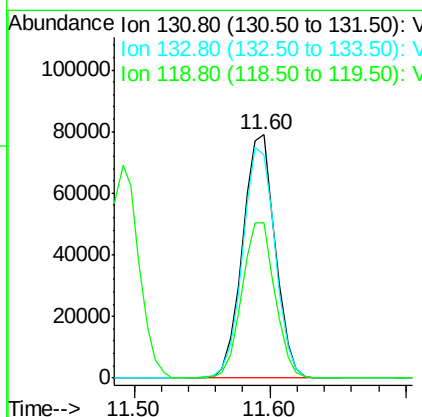
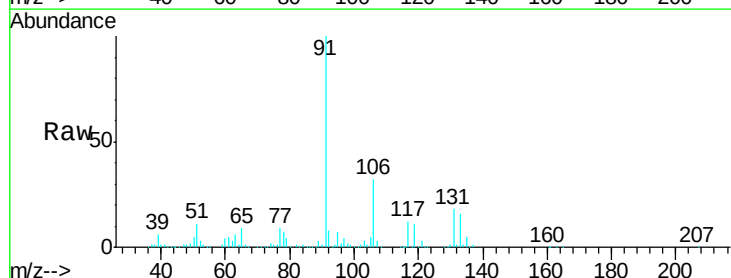
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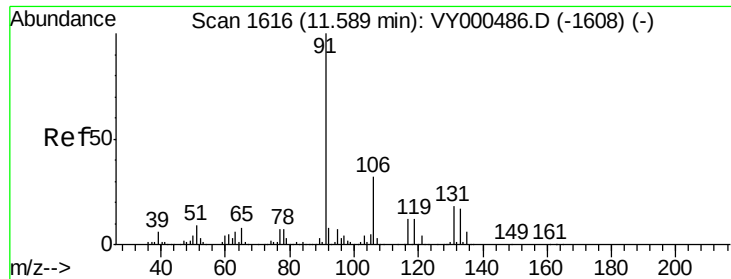
MMDadoda
11/4/2019 3:40:22 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 53.711 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. 0.01 min
Lab File: VY000517.D
Acq: 01 Nov 2019 10:54

Tgt Ion:131 Resp: 131941
Ion Ratio Lower Upper
131 100
133 95.0 47.9 143.8
119 64.8 33.1 99.3





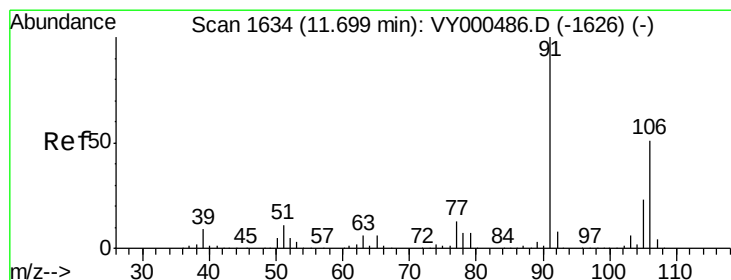
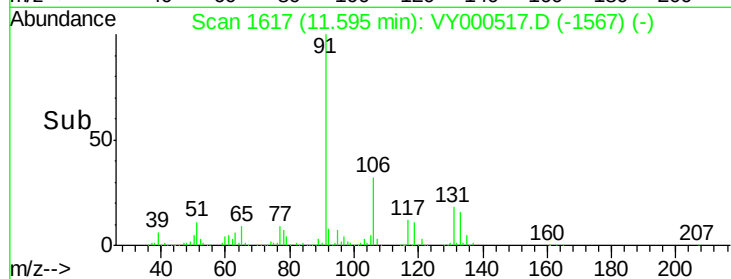
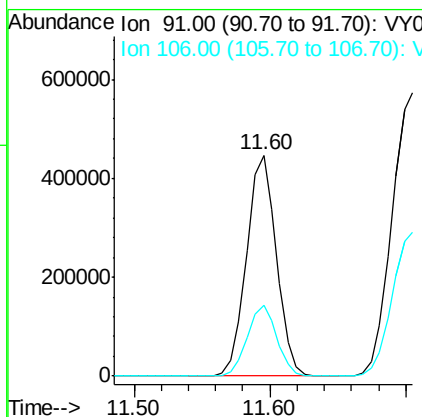
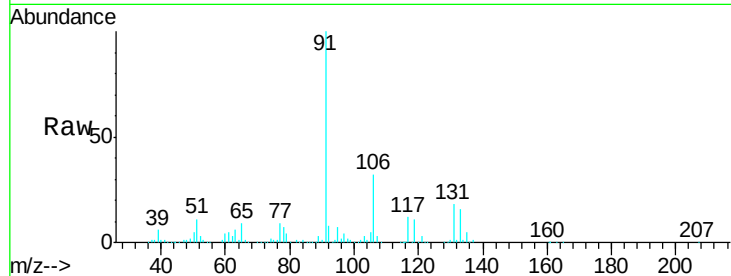
#67
Ethyl Benzene
Concen: 52.637 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. 0.01 min
Lab File: VY000517.D
Acq: 01 Nov 2019 10:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 686169
Ion Ratio Lower Upper
91 100
106 31.9 25.4 38.0

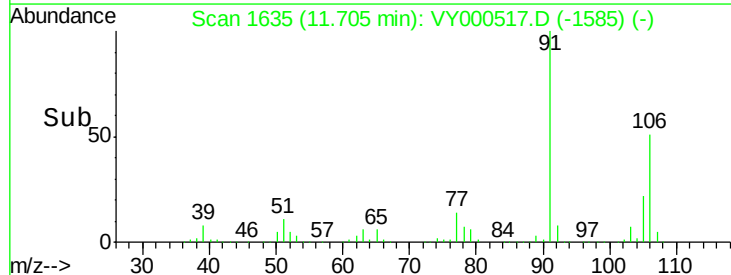
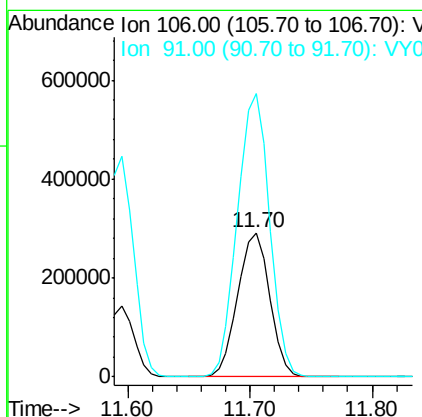
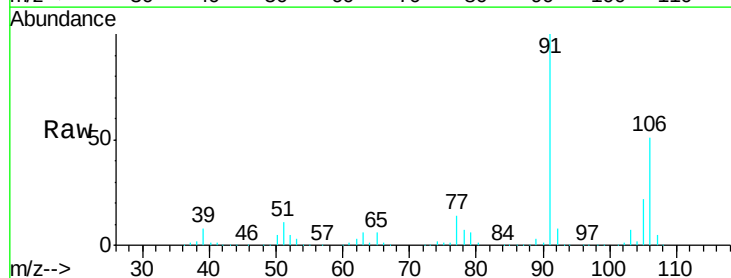
Manual Integrations
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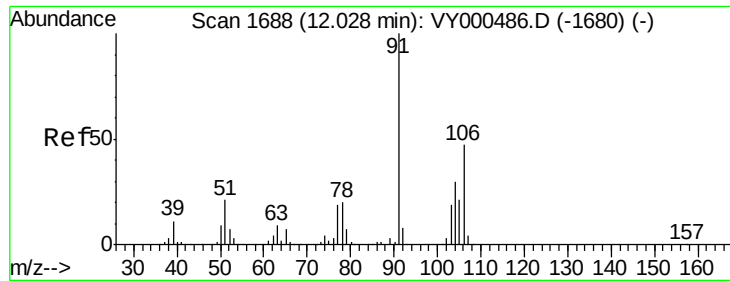
MMDadoda
11/4/2019 3:40:22 PM



#68
m/p-Xylenes
Concen: 104.898 ug/l
RT: 11.70 min Scan# 1635
Delta R.T. 0.01 min
Lab File: VY000517.D
Acq: 01 Nov 2019 10:54

Tgt Ion: 106 Resp: 529248
Ion Ratio Lower Upper
106 100
91 197.8 155.9 233.9





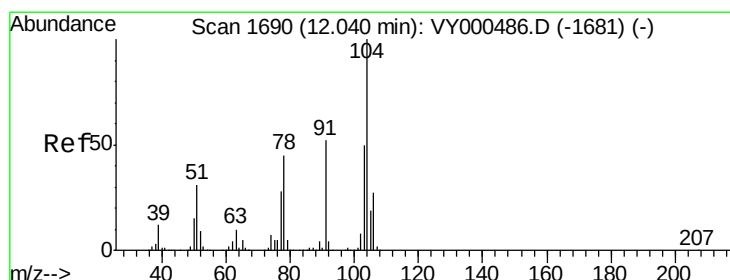
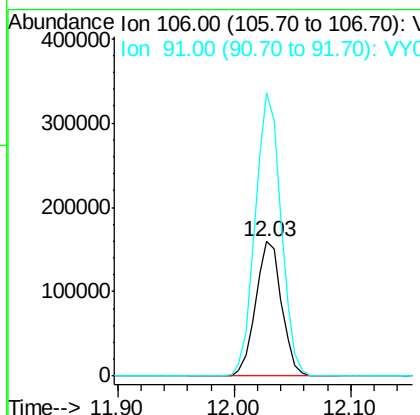
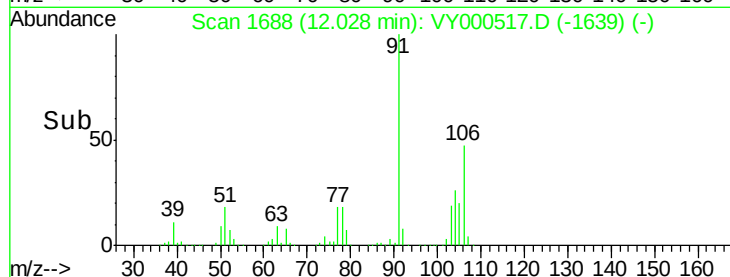
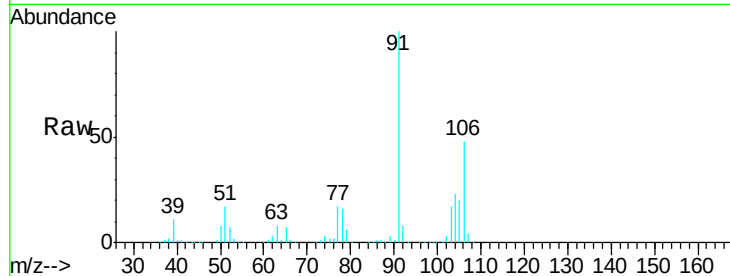
#69
o-Xylene
Concen: 52.473 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VY000517.D
Acq: 01 Nov 2019 10:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 248813
Ion Ratio Lower Upper
106 100
91 209.5 106.5 319.6

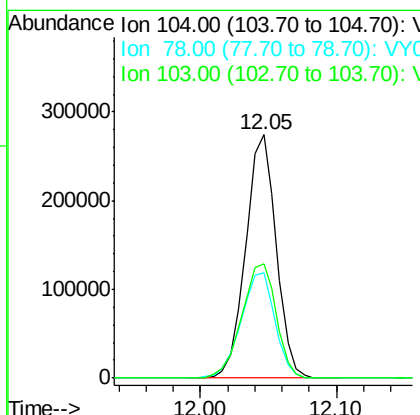
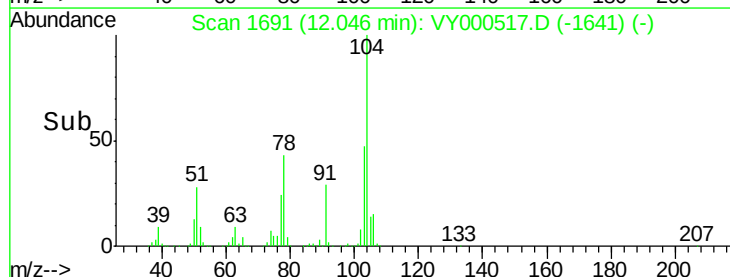
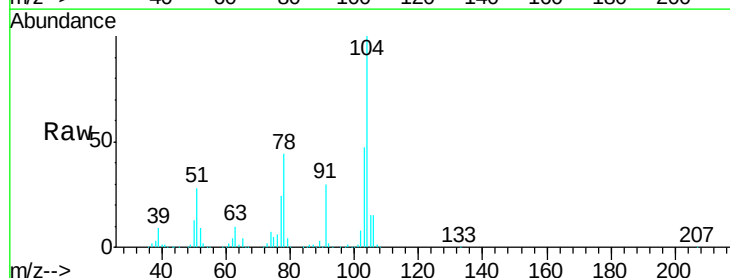
Manual Integrations
APPROVED

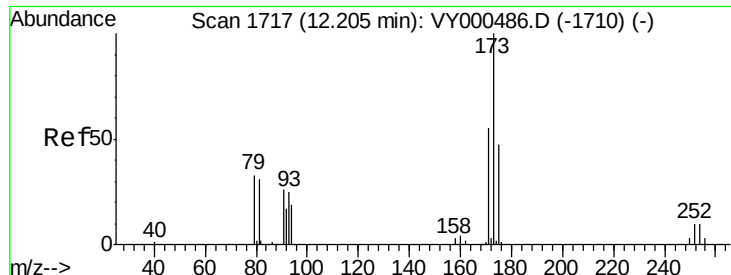
MMDadoda
11/4/2019 3:40:22 PM



#70
Styrene
Concen: 53.023 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. 0.01 min
Lab File: VY000517.D
Acq: 01 Nov 2019 10:54

Tgt Ion:104 Resp: 430525
Ion Ratio Lower Upper
104 100
78 48.4 39.0 58.4
103 53.0 42.5 63.7





#71

Bromoform

Concen: 52.637 ug/l

RT: 12.21 min Scan# 1718

Delta R.T. 0.01 min

Lab File: VY000517.D

Acq: 01 Nov 2019 10:54

Instrument :

MSVOA_Y

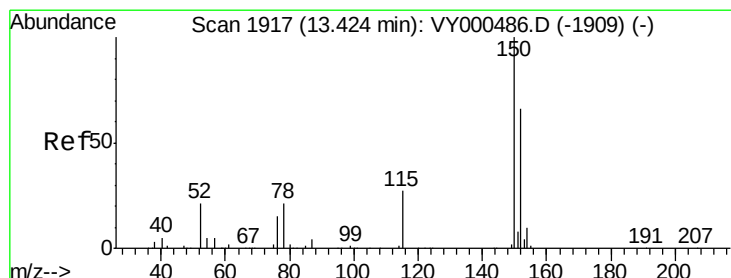
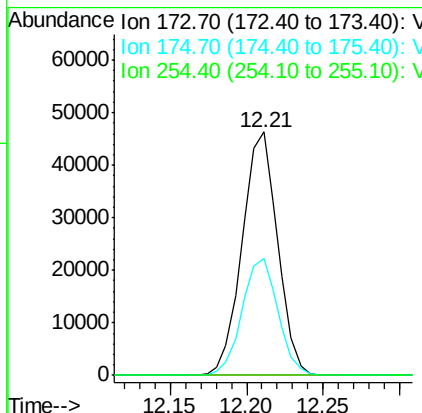
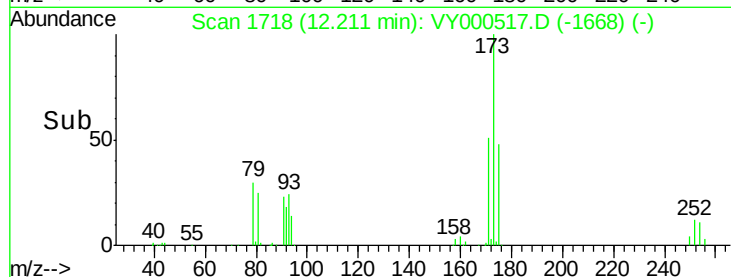
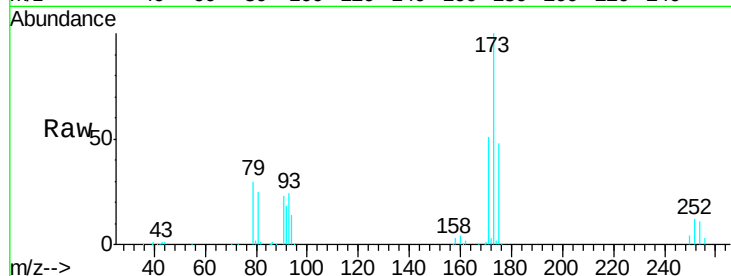
ClientSampleId :

VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.4	73.2
254	0.0	0.1	0.1#

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

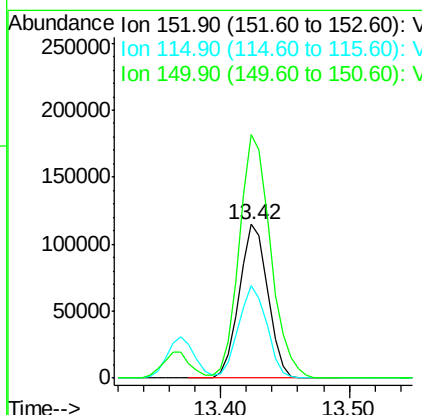
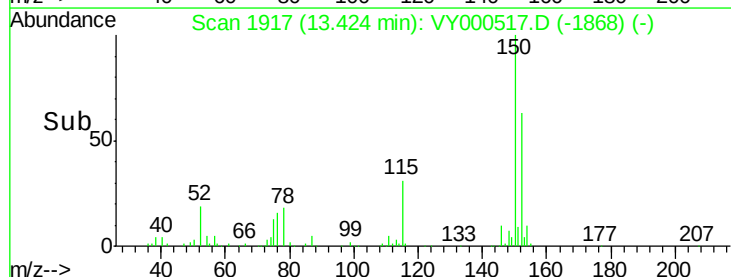
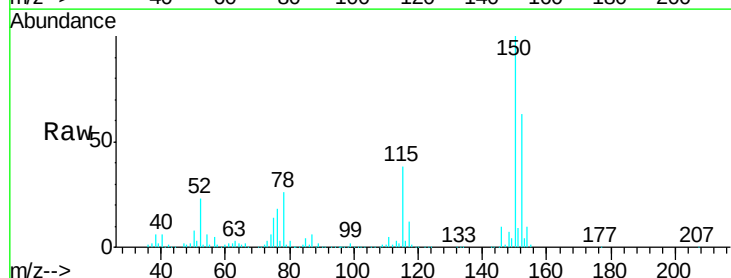
RT: 13.42 min Scan# 1917

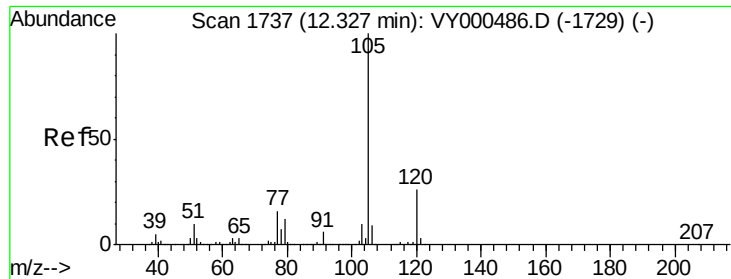
Delta R.T. -0.00 min

Lab File: VY000517.D

Acq: 01 Nov 2019 10:54

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.6	29.1	87.4
150	173.2	0.0	348.8





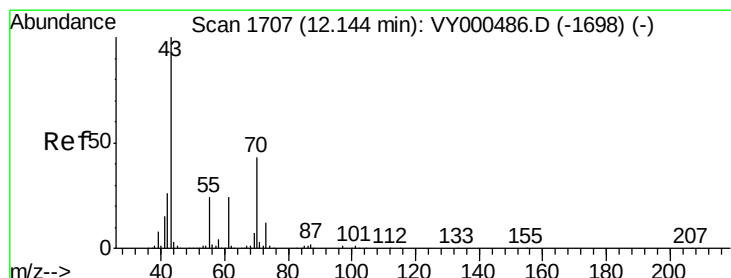
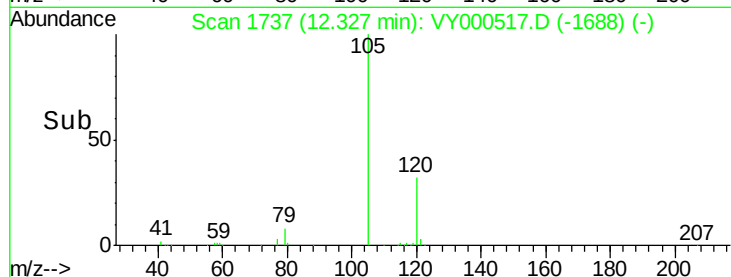
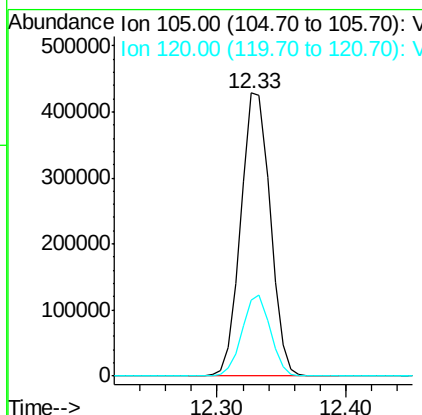
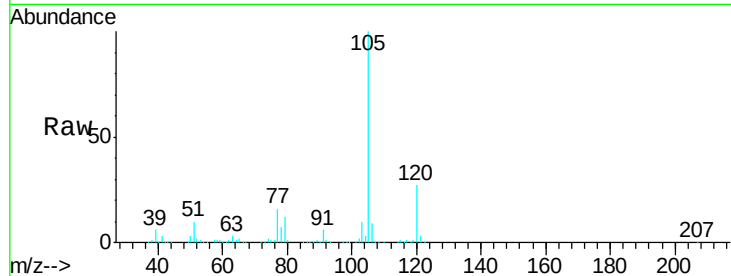
#73
Isopropylbenzene
Concen: 52.067 ug/l
RT: 12.33 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VY000517.D
Acq: 01 Nov 2019 10:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.4	13.5	40.4

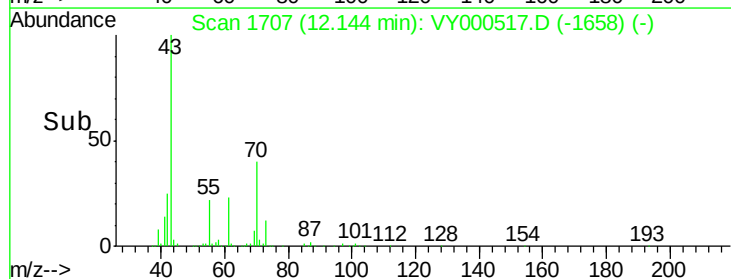
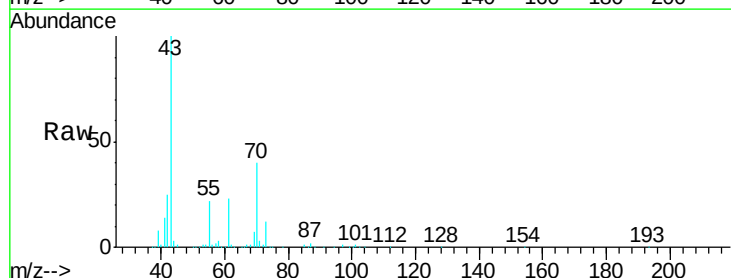
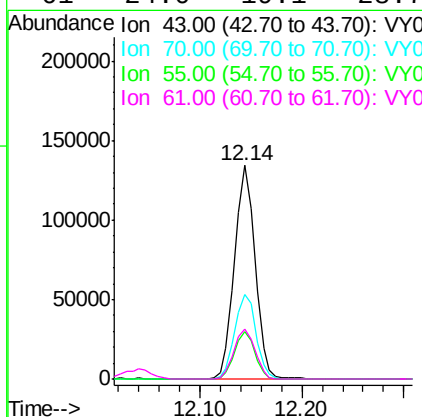
Manual Integrations
APPROVED

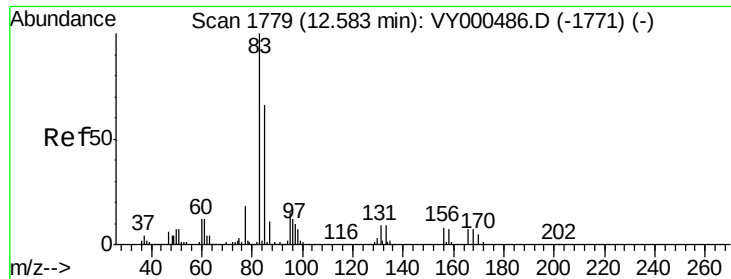
MMDadoda
11/4/2019 3:40:22 PM



#74
N-ethyl acetate
Concen: 50.323 ug/l
RT: 12.14 min Scan# 1707
Delta R.T. -0.00 min
Lab File: VY000517.D
Acq: 01 Nov 2019 10:54

Tgt Ion	Ratio	Lower	Upper
43	100		
70	40.8	33.1	49.7
55	22.3	18.0	27.0
61	24.0	19.1	28.7





#75

1,1,2,2-Tetrachloroethane

Concen: 48.669 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VY000517.D

Acq: 01 Nov 2019 10:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 125028
Ion Ratio Lower Upper

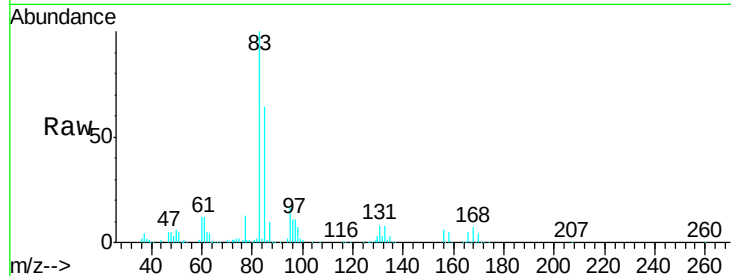
83 100

131 10.2 5.0 14.9

85 63.3 32.3 96.9

Manual Integrations
APPROVED

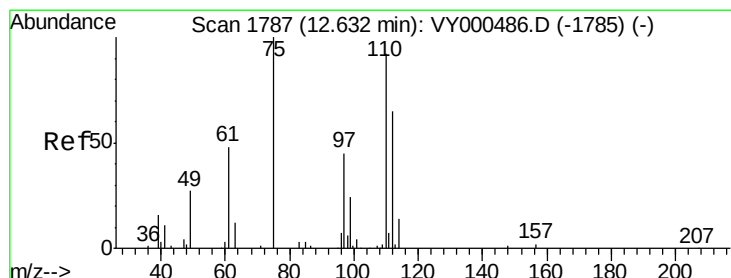
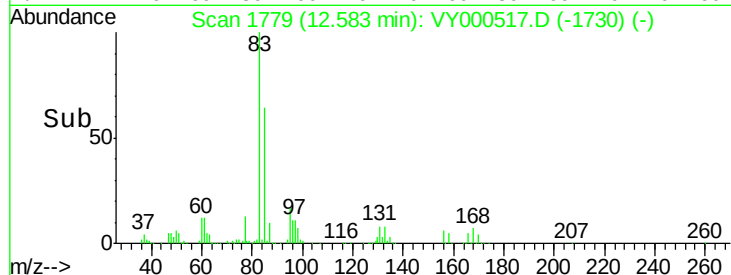
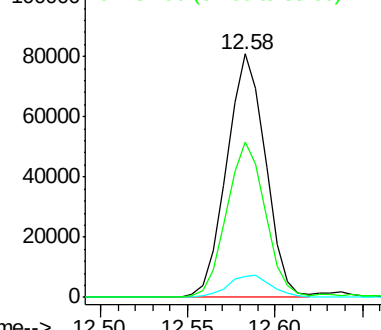
MMDadoda
11/4/2019 3:40:22 PM



Abundance Ion 82.90 (82.60 to 83.60): VY0

Ion 130.80 (130.50 to 131.50): VY0

Ion 84.90 (84.60 to 85.60): VY0



#76

1,2,3-Trichloropropane

Concen: 47.948 ug/l m

RT: 12.63 min Scan# 1787

Delta R.T. -0.00 min

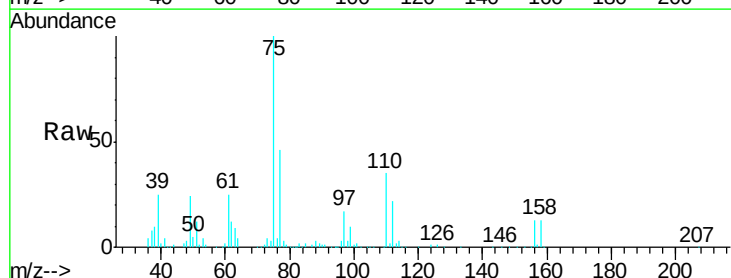
Lab File: VY000517.D

Acq: 01 Nov 2019 10:54

Tgt Ion: 75 Resp: 95843
Ion Ratio Lower Upper

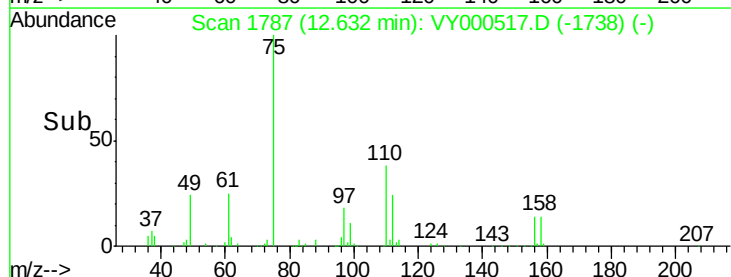
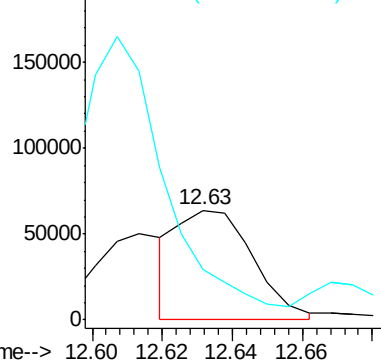
75 100

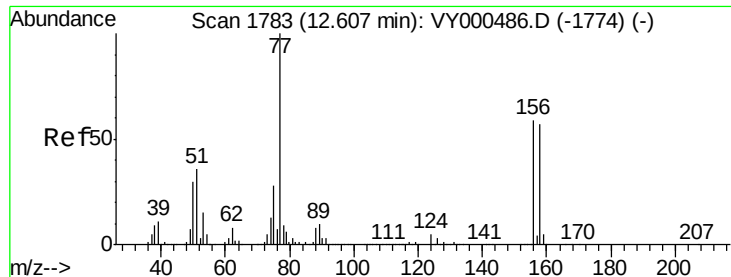
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0





#77

Bromobenzene

Concen: 51.213 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VY000517.D

Acq: 01 Nov 2019 10:54

Instrument :

MSVOA_Y

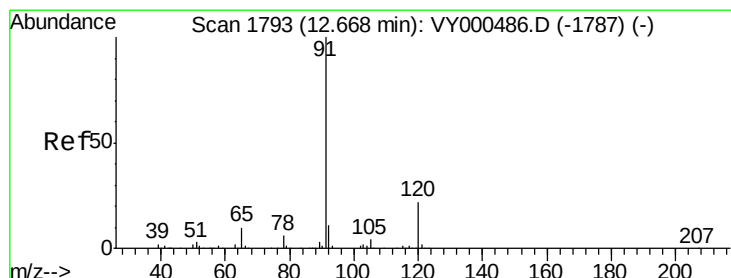
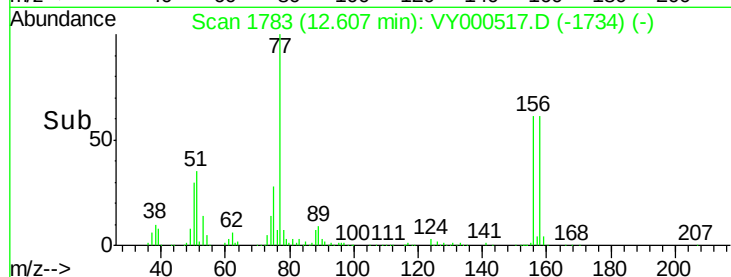
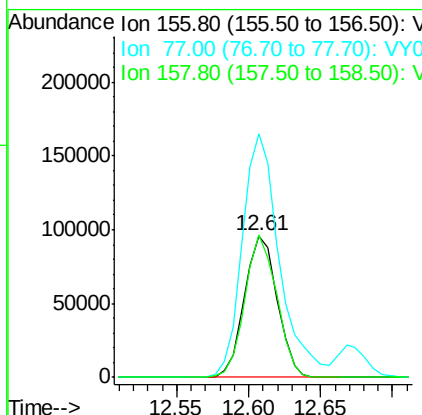
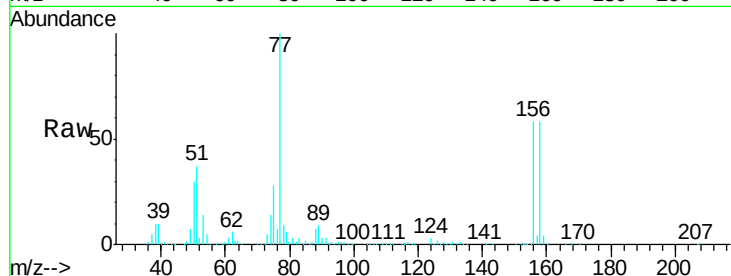
ClientSampleId :

VSTDCCC050

Tgt Ion:	156	Resp:	150679
Ion Ratio	Lower	Upper	
156	100		
77	196.1	98.2	294.4
158	97.6	49.6	149.0

Manual Integrations
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#78

n-propylbenzene

Concen: 52.170 ug/l

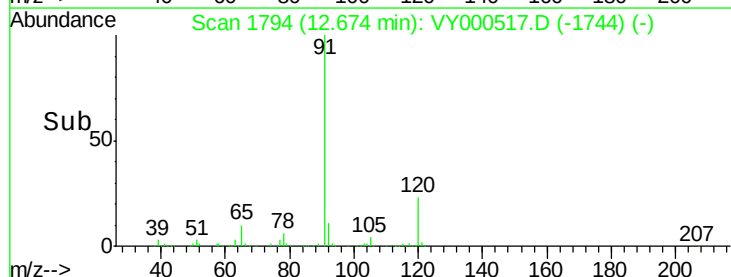
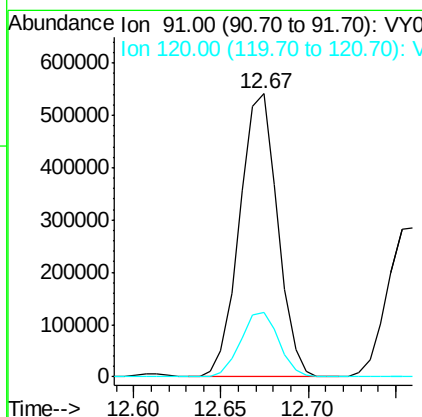
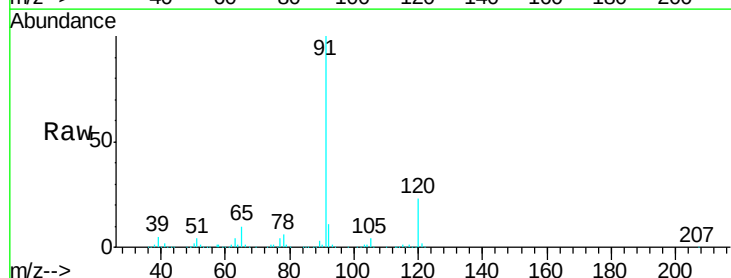
RT: 12.67 min Scan# 1794

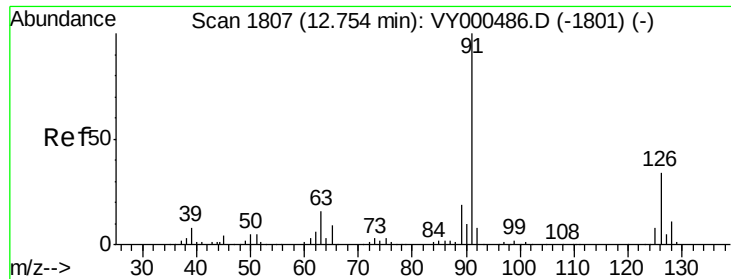
Delta R.T. 0.01 min

Lab File: VY000517.D

Acq: 01 Nov 2019 10:54

Tgt Ion:	91	Resp:	816708
Ion Ratio	Lower	Upper	
91	100		
120	22.8	11.4	34.1





#79

2-Chlorotoluene

Concen: 52.566 ug/l

RT: 12.76 min Scan# 1808

Delta R.T. 0.01 min

Lab File: VY000517.D

Acq: 01 Nov 2019 10:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 456842

Ion Ratio Lower Upper

91 100

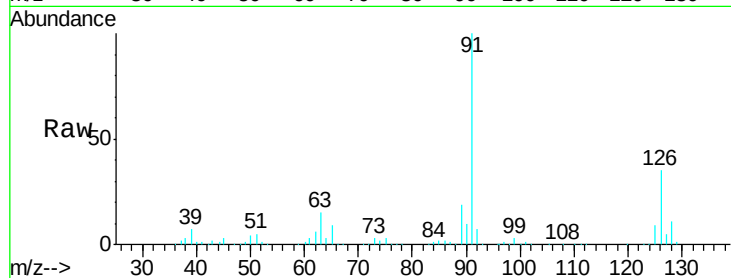
126 34.1 17.7 53.1

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VY000486.D (-1801) (-)

Ion 125.90 (125.60 to 126.60): VY000486.D (-1801) (-)

400000

300000

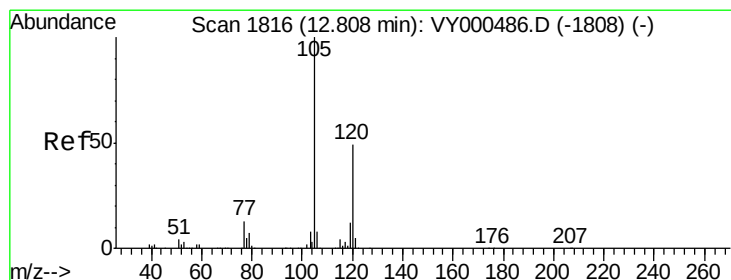
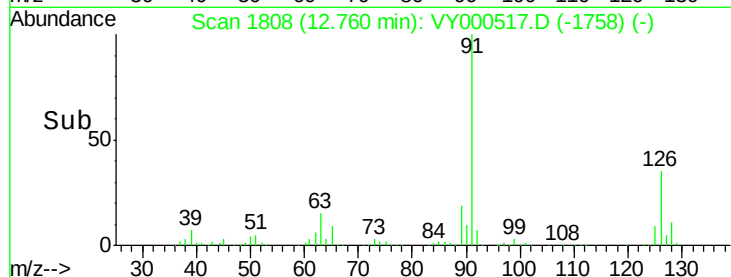
200000

100000

0

12.70 12.75 12.80

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 52.478 ug/l

RT: 12.81 min Scan# 1817

Delta R.T. 0.01 min

Lab File: VY000517.D

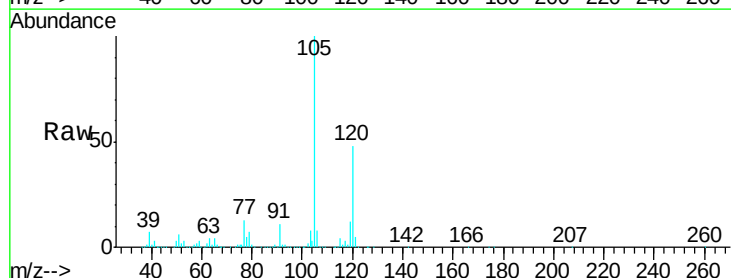
Acq: 01 Nov 2019 10:54

Tgt Ion: 105 Resp: 567066

Ion Ratio Lower Upper

105 100

120 49.2 24.9 74.8



Abundance Ion 105.00 (104.70 to 105.70): VY000486.D (-1808) (-)

Ion 120.00 (119.70 to 120.70): VY000486.D (-1808) (-)

400000

300000

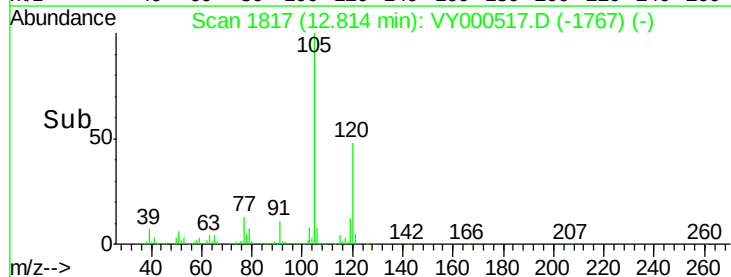
200000

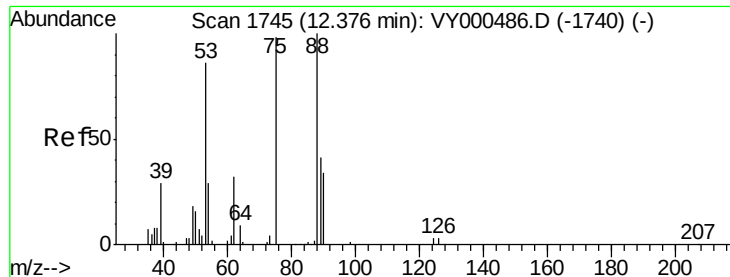
100000

0

12.80 12.81 12.82

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 48.908 ug/l

RT: 12.38 min Scan# 1746

Delta R.T. 0.01 min

Lab File: VY000517.D

Acq: 01 Nov 2019 10:54

Instrument :

MSVOA_Y

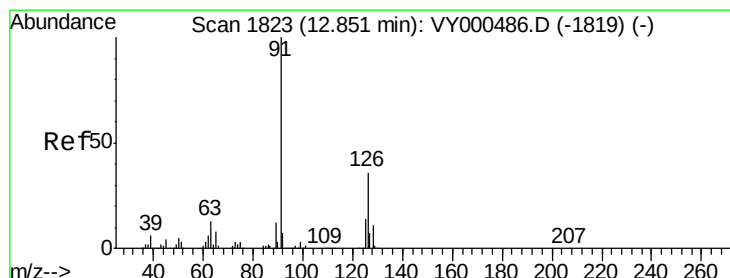
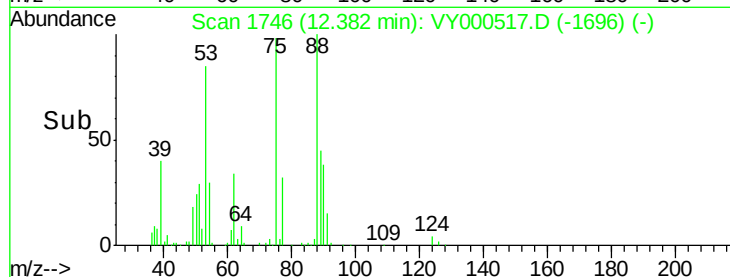
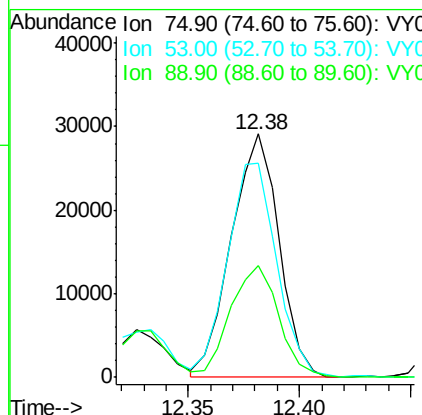
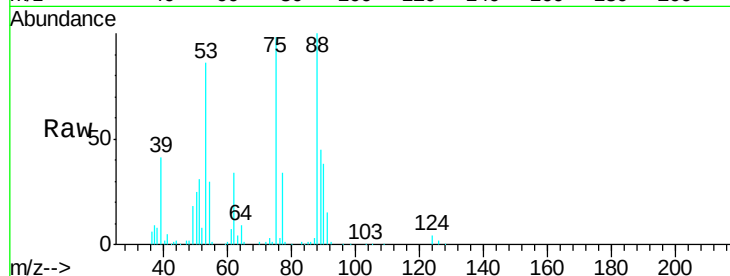
ClientSampleId :

VSTDCCC050

Tgt Ion:	75	Resp:	43602
Ion Ratio	Lower	Upper	
75	100		
53	91.0	73.2	109.8
89	46.4	35.9	53.9

Manual Integrations
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#82

4-Chlorotoluene

Concen: 53.526 ug/l

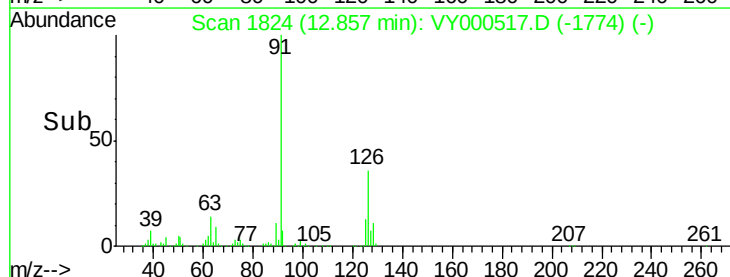
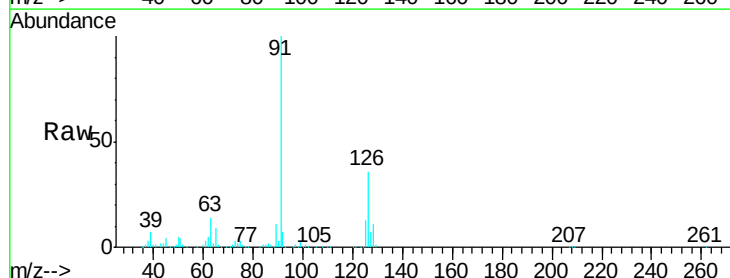
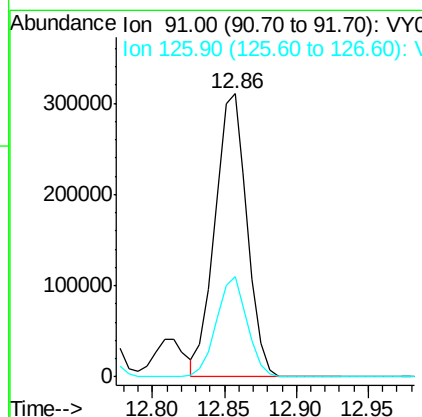
RT: 12.86 min Scan# 1824

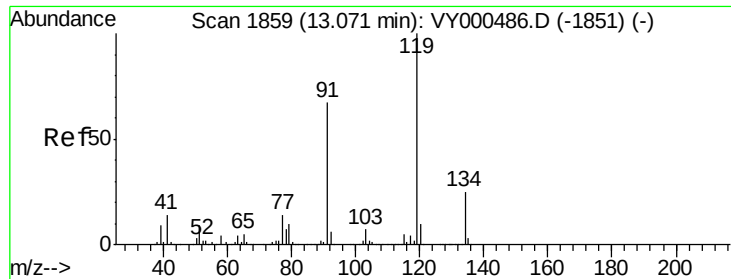
Delta R.T. 0.01 min

Lab File: VY000517.D

Acq: 01 Nov 2019 10:54

Tgt Ion:	91	Resp:	482206
Ion Ratio	Lower	Upper	
91	100		
126	34.2	17.6	52.9





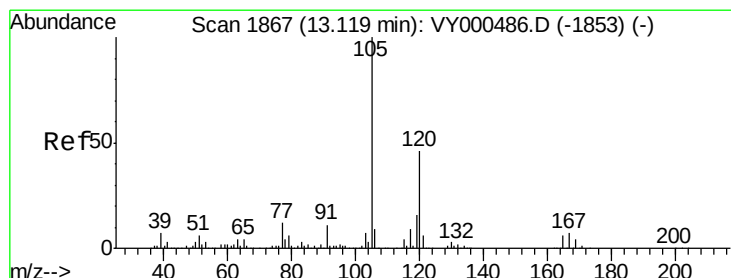
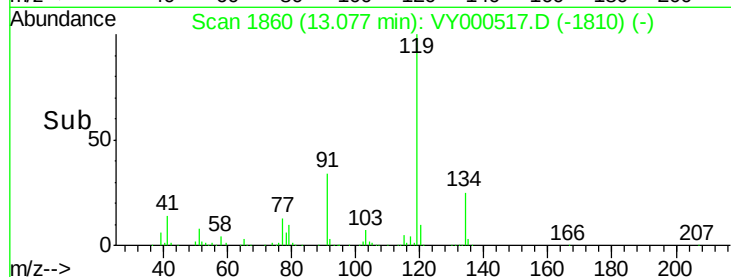
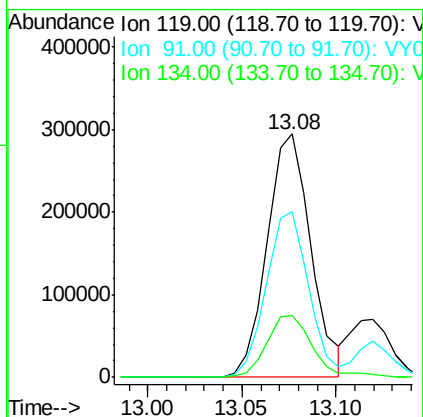
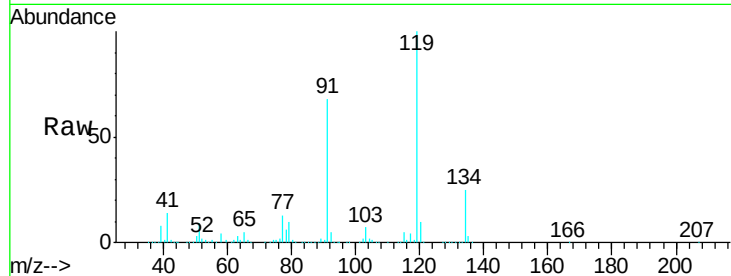
#83
 tert-Butylbenzene
 Concen: 51.568 ug/l
 RT: 13.08 min Scan# 1860
 Delta R.T. 0.01 min
 Lab File: VY000517.D
 Acq: 01 Nov 2019 10:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	475789		
91	65.9	32.1	96.3	
134	26.8	13.2	39.5	

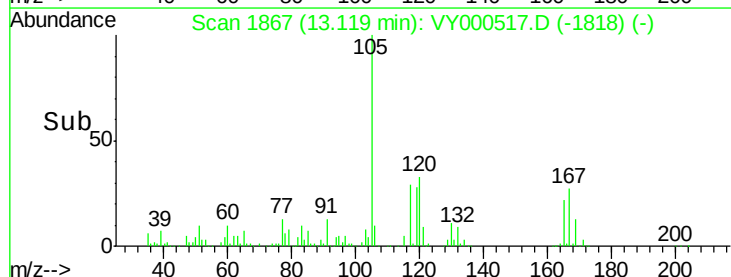
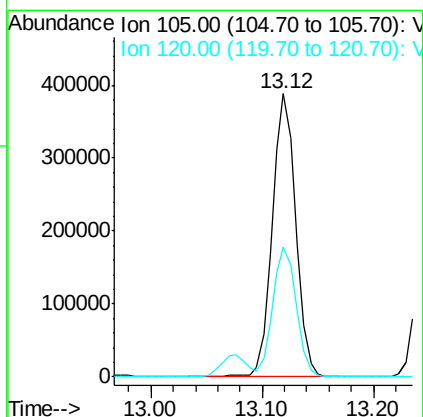
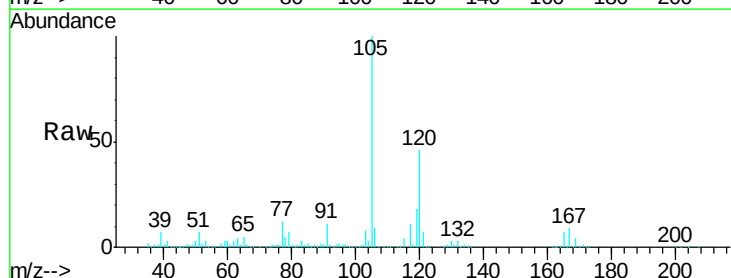
Manual Integrations
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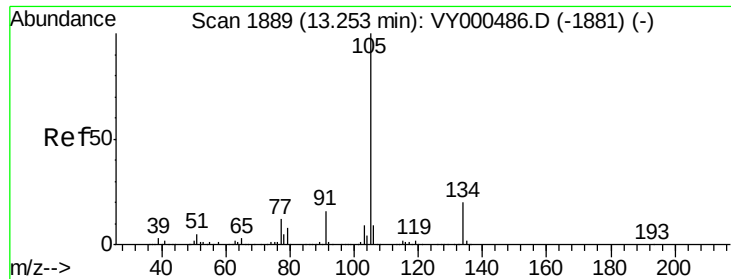
MMDadoda
 11/4/2019 3:40:22 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 52.753 ug/l
 RT: 13.12 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VY000517.D
 Acq: 01 Nov 2019 10:54

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	567566		
120	46.0	23.3	69.9	





#85

sec-Butylbenzene

Concen: 52.172 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VY000517.D

Acq: 01 Nov 2019 10:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion:105 Resp: 685804

Ion Ratio Lower Upper

105 100

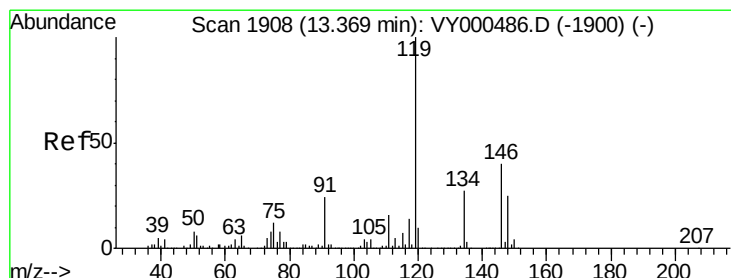
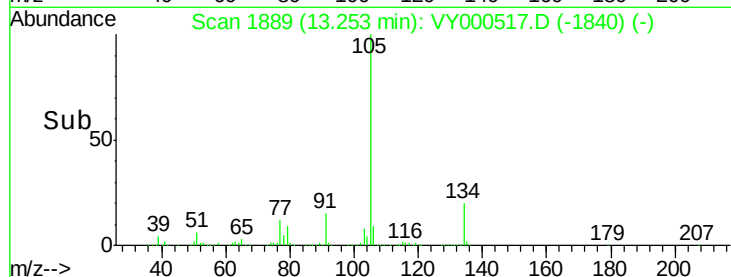
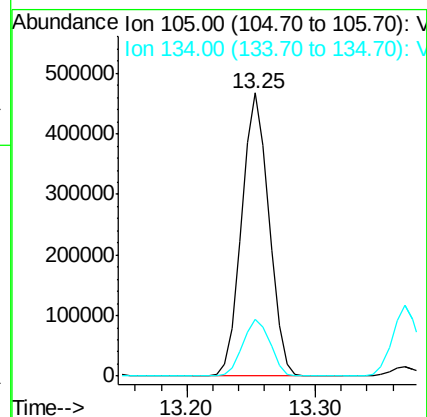
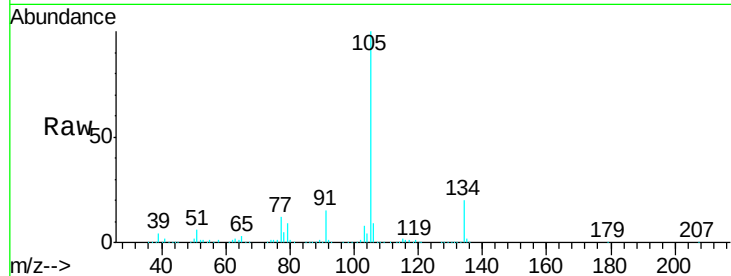
134 20.3 10.1 30.1

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 52.383 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. -0.00 min

Lab File: VY000517.D

Acq: 01 Nov 2019 10:54

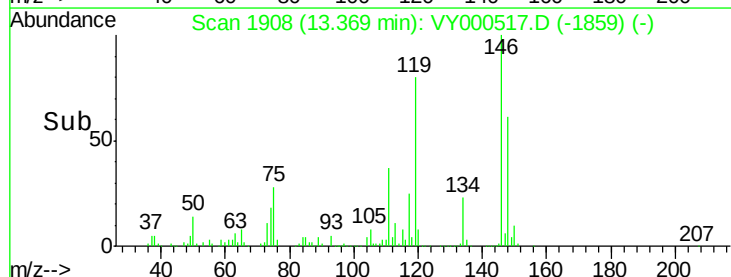
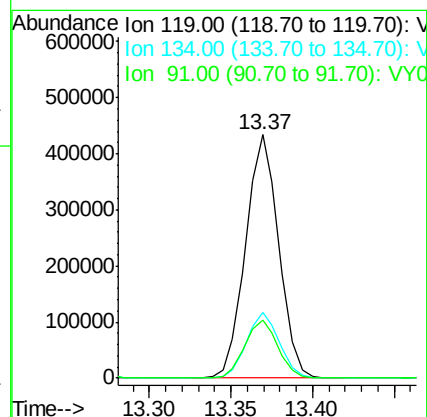
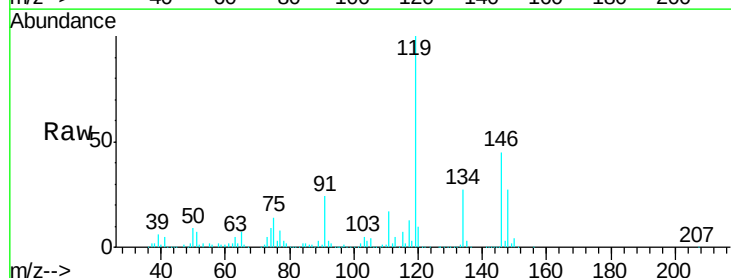
Tgt Ion:119 Resp: 613694

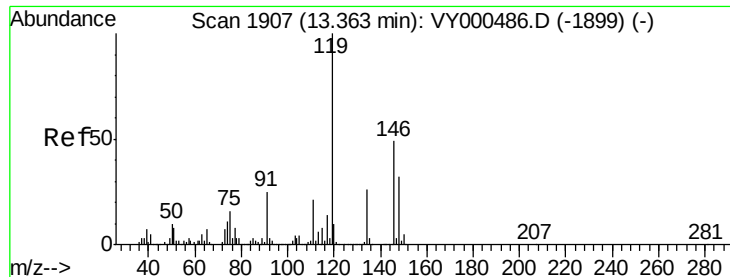
Ion Ratio Lower Upper

119 100

134 26.8 13.6 40.8

91 23.8 12.0 36.1





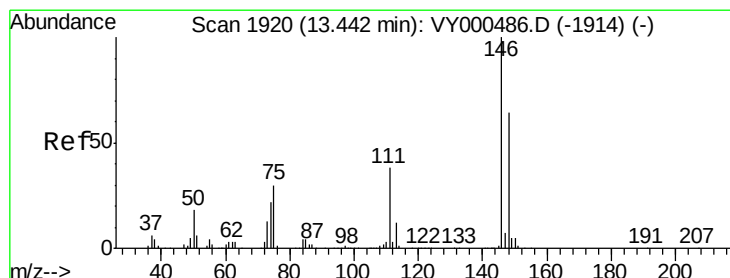
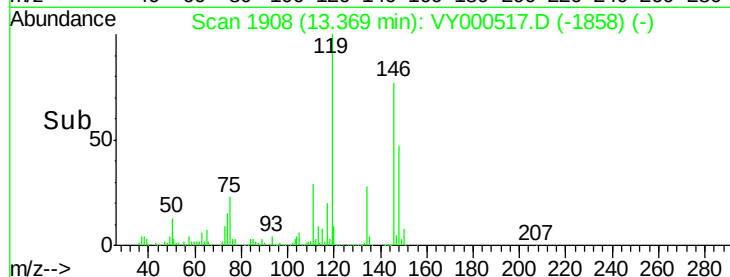
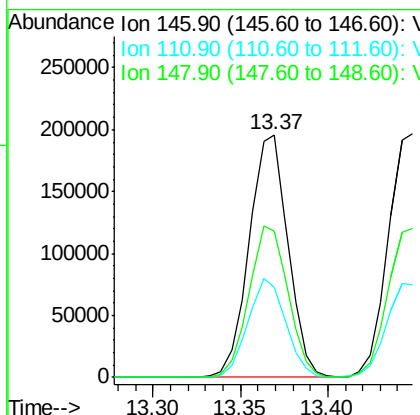
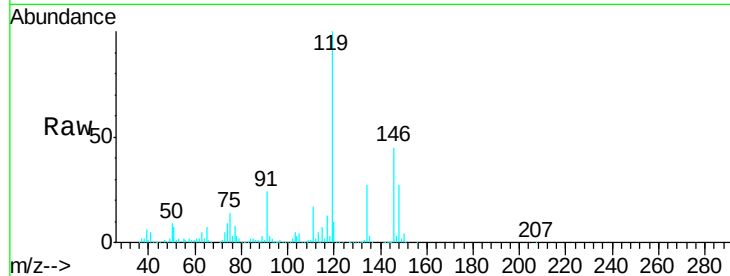
#87
1,3-Dichlorobenzene
Concen: 52.270 ug/l
RT: 13.37 min Scan# 1908
Delta R.T. 0.01 min
Lab File: VY000517.D
Acq: 01 Nov 2019 10:54

Instrument :
MSVOA_Y
ClientSampled :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	301226		
111	39.9	20.3	60.8	
148	63.1	31.5	94.5	

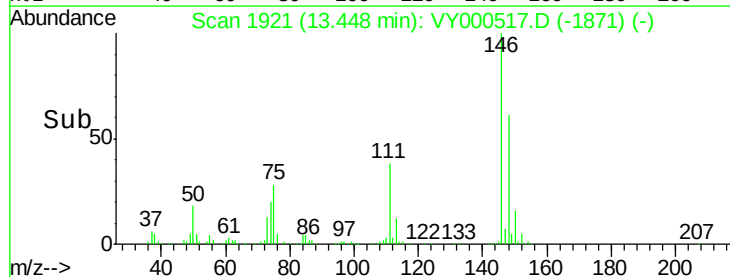
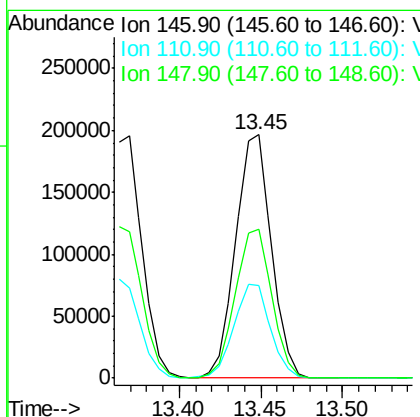
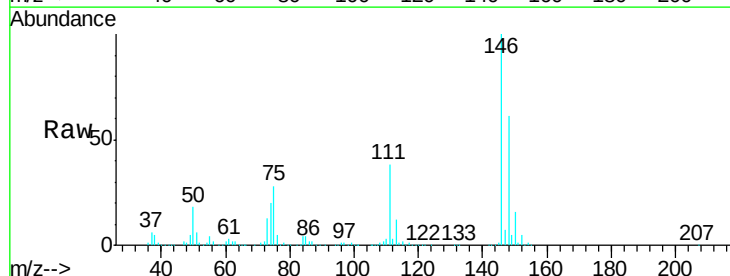
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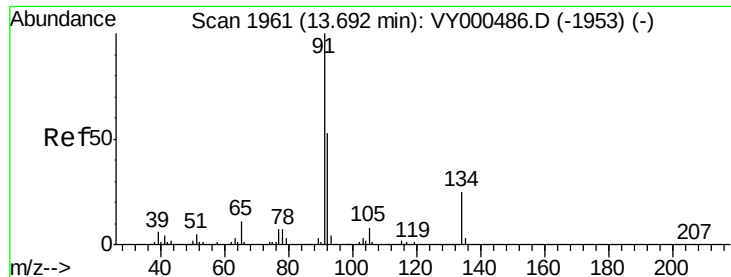
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#88
1,4-Dichlorobenzene
Concen: 52.047 ug/l
RT: 13.45 min Scan# 1921
Delta R.T. 0.01 min
Lab File: VY000517.D
Acq: 01 Nov 2019 10:54

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	299725		
111	39.5	19.7	59.0	
148	62.6	31.9	95.7	





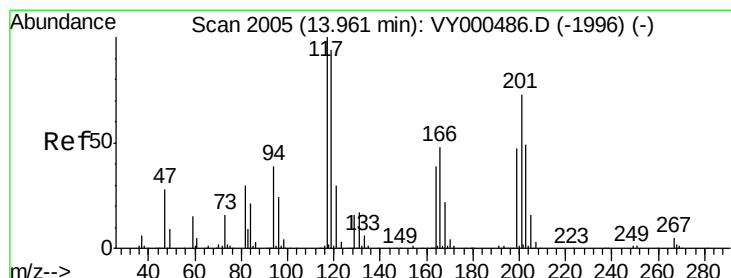
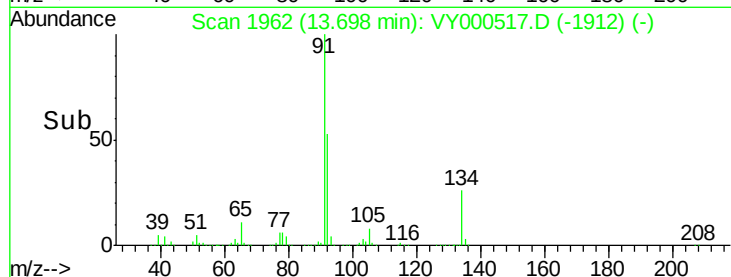
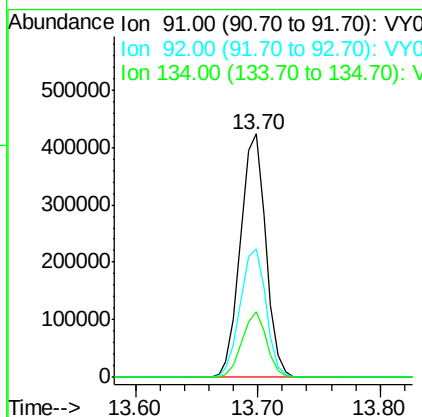
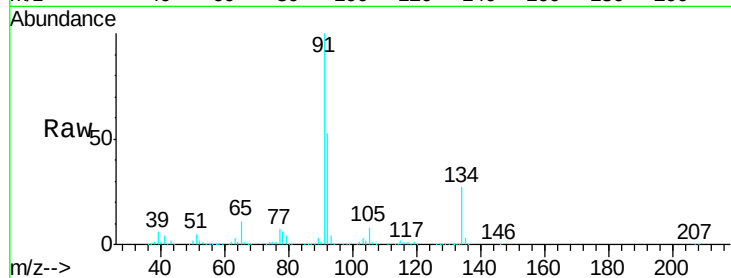
#89
n-Butylbenzene
Concen: 52.551 ug/l
RT: 13.70 min Scan# 1962
Delta R.T. 0.01 min
Lab File: VY000517.D
Acq: 01 Nov 2019 10:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	607223		
92	53.9	26.8	80.3	
134	26.0	12.9	38.7	

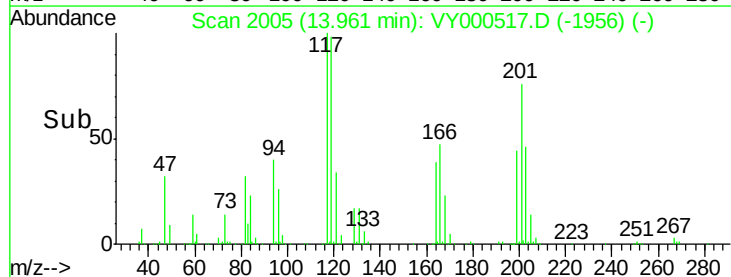
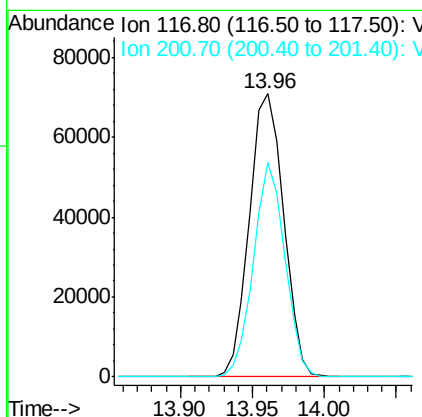
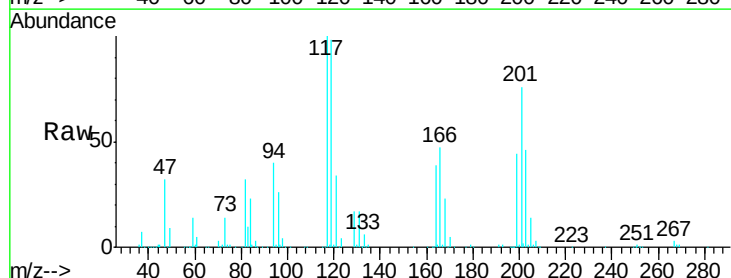
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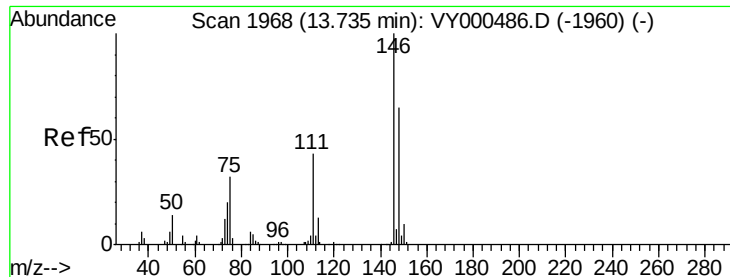
MMDadoda
11/4/2019 3:40:22 PM



#90
Hexachloroethane
Concen: 53.873 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. -0.00 min
Lab File: VY000517.D
Acq: 01 Nov 2019 10:54

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	116680		
201	69.5	35.8	107.3	





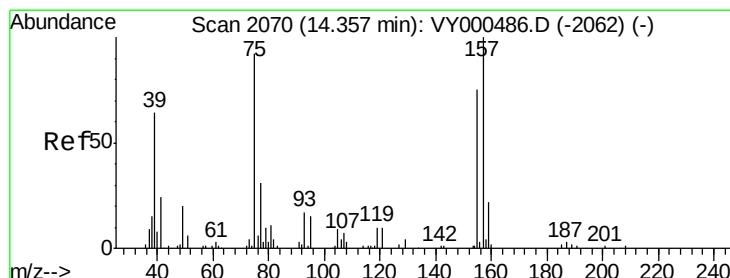
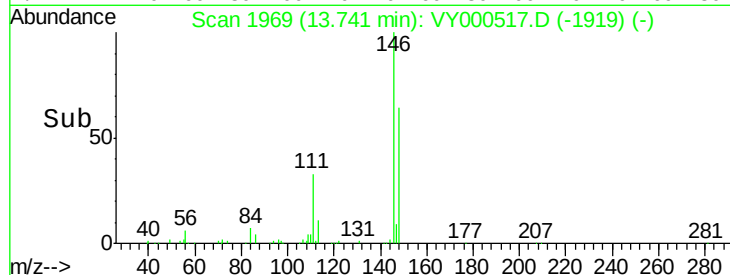
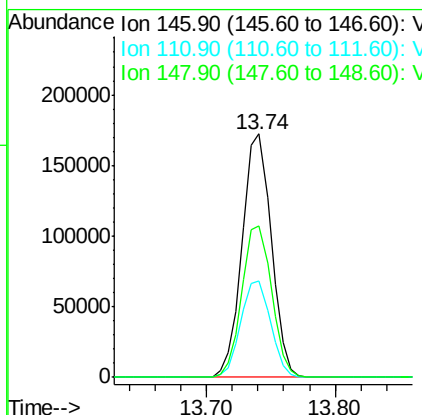
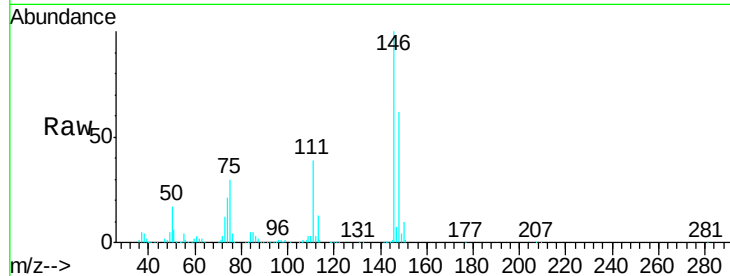
#91
 1,2-Dichlorobenzene
 Concen: 51.582 ug/l
 RT: 13.74 min Scan# 1969
 Delta R.T. 0.01 min
 Lab File: VY000517.D
 Acq: 01 Nov 2019 10:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	269710		
111	40.7	20.5	61.5	
148	63.7	31.7	95.1	

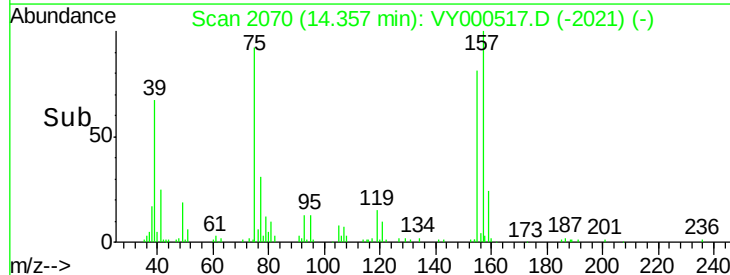
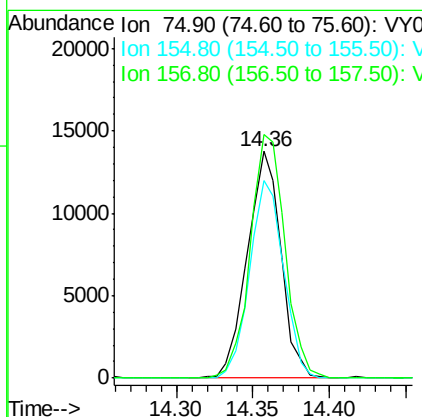
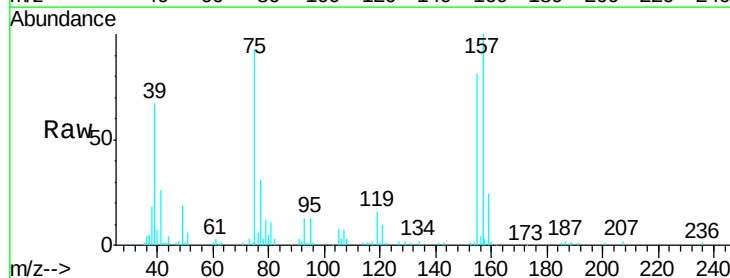
Manual Integrations
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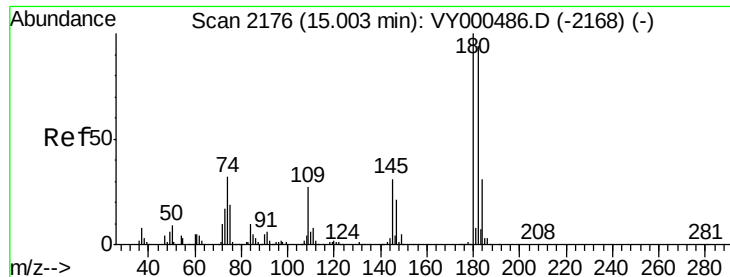
MMDadoda
 11/4/2019 3:40:22 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.358 ug/l
 RT: 14.36 min Scan# 2070
 Delta R.T. -0.00 min
 Lab File: VY000517.D
 Acq: 01 Nov 2019 10:54

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	21077		
155	87.1	42.4	127.1	
157	110.7	55.1	165.3	





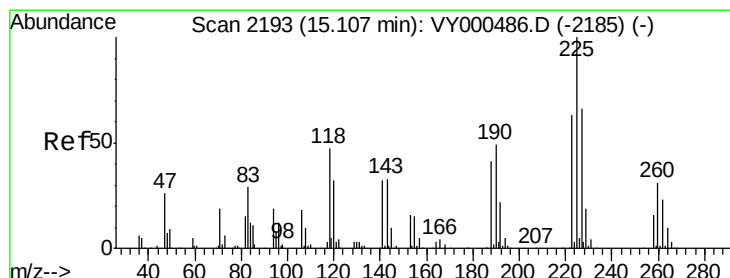
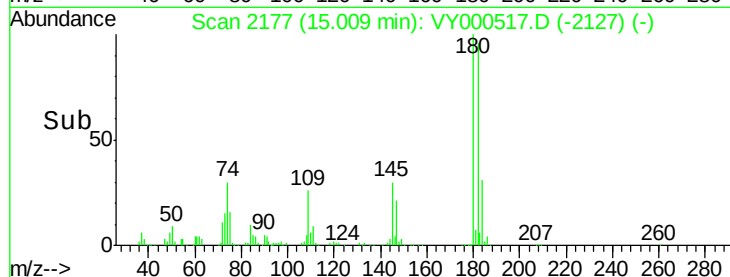
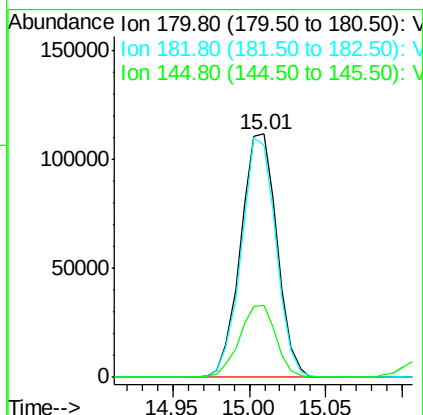
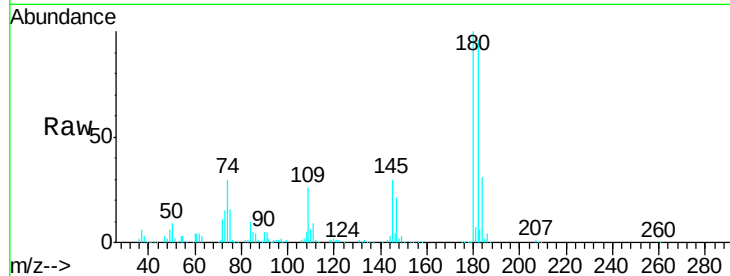
#93
 1,2,4-Trichlorobenzene
 Concen: 51.427 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. 0.01 min
 Lab File: VY000517.D
 Acq: 01 Nov 2019 10:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	183094		
182	94.5	47.8	143.4	
145	29.7	16.0	47.9	

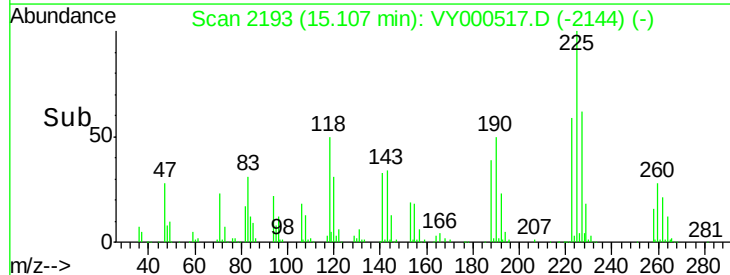
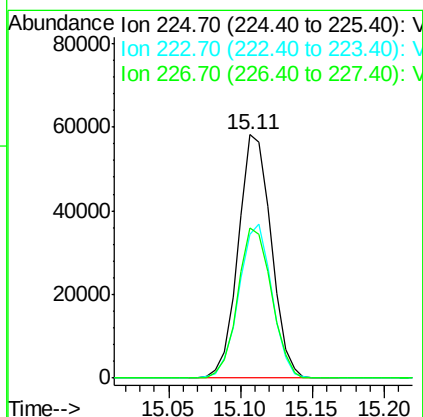
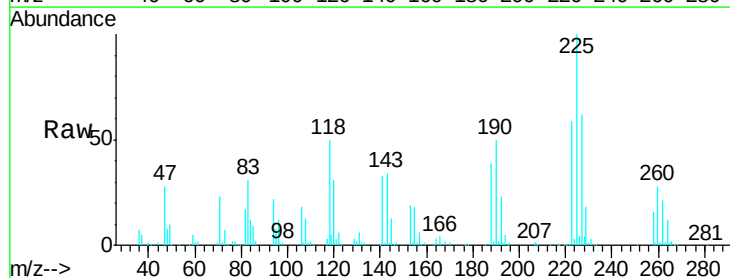
Manual Integrations
 APPROVED

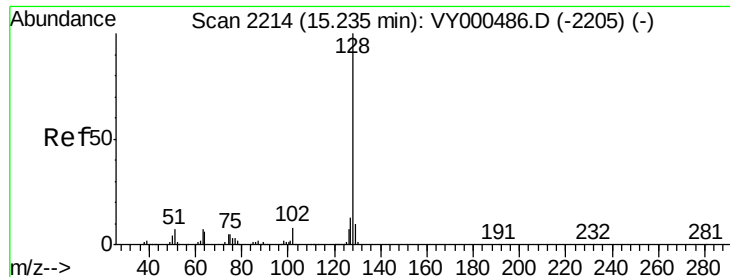
MMDadoda
 11/4/2019 3:40:22 PM



#94
 Hexachlorobutadiene
 Concen: 50.302 ug/l
 RT: 15.11 min Scan# 2193
 Delta R.T. -0.00 min
 Lab File: VY000517.D
 Acq: 01 Nov 2019 10:54

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	92315		
223	63.2	31.3	93.8	
227	63.1	32.4	97.0	





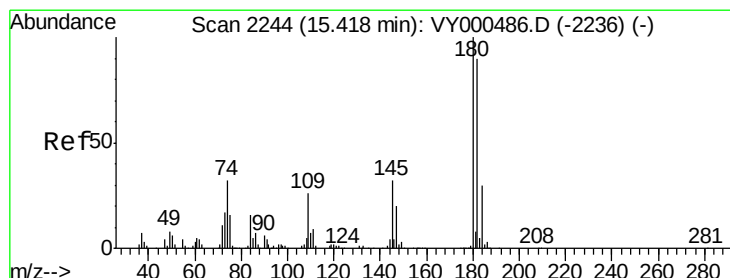
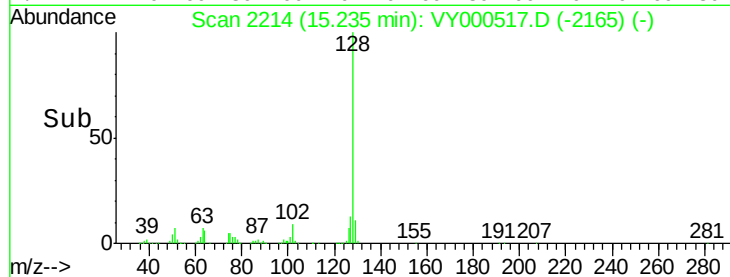
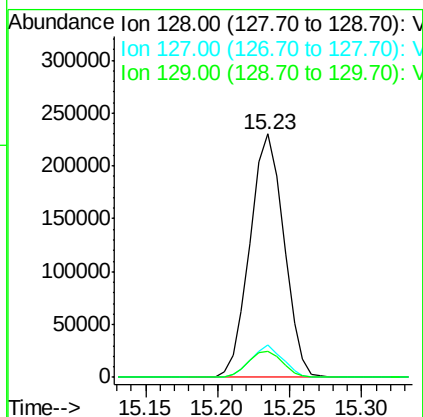
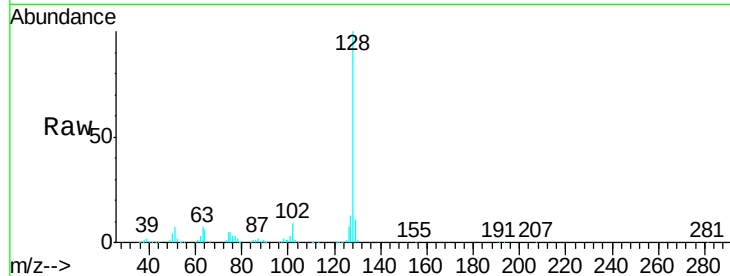
#95
Naphthalene
Concen: 47.736 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VY000517.D
Acq: 01 Nov 2019 10:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	377283		
127	12.5	9.8	14.6	
129	11.0	8.7	13.1	

Manual Integrations
APPROVED

MMDadoda
11/4/2019 3:40:22 PM



#96
1,2,3-Trichlorobenzene
Concen: 50.344 ug/l
RT: 15.42 min Scan# 2245
Delta R.T. 0.01 min
Lab File: VY000517.D
Acq: 01 Nov 2019 10:54

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	160805		
182	94.8	47.4	142.3	
145	34.2	15.7	47.0	

