

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY110719\
 Data File : VY000567.D
 Acq On : 07 Nov 2019 09:49
 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
 11/8/2019 4:07:29 PM

Quant Time: Nov 08 03:55:05 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	292267	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	487259	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	443907	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	218968	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	160257	52.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.96%	
35) Dibromofluoromethane	7.73	113	144419	50.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.98%	
50) Toluene-d8	10.19	98	584679	53.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.74%	
62) 4-Bromofluorobenzene	12.48	95	217349	52.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	148745	51.700	ug/l	100
3) Chloromethane	2.12	50	200044	50.474	ug/l	99
4) Vinyl Chloride	2.26	62	189238	51.417	ug/l	99
5) Bromomethane	2.66	94	112061	50.775	ug/l	91
6) Chloroethane	2.80	64	121444	52.723	ug/l	100
7) Trichlorofluoromethane	3.13	101	265281	53.373	ug/l	98
8) Diethyl Ether	3.54	74	93254	52.803	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.90	101	159428	53.056	ug/l	95
10) Methyl Iodide	4.10	142	183847	46.707	ug/l	100
11) Tert butyl alcohol	5.00	59	63400	215.335	ug/l #	85
12) 1,1-Dichloroethene	3.88	96	156209	53.507	ug/l	89
13) Acrolein	3.74	56	69354	270.428	ug/l	97
14) Allyl chloride	4.49	41	266948	56.233	ug/l	99
15) Acrylonitrile	5.19	53	226695	250.573	ug/l	99
16) Acetone	3.97	43	202720	243.183	ug/l	98
17) Carbon Disulfide	4.20	76	477270	51.833	ug/l	99
18) Methyl Acetate	4.49	43	126977	48.989	ug/l	99
19) Methyl tert-butyl Ether	5.23	73	430437	53.028	ug/l	100
20) Methylene Chloride	4.72	84	173679	48.623	ug/l	98
21) trans-1,2-Dichloroethene	5.23	96	171920	52.089	ug/l	98
22) Diisopropyl ether	6.13	45	582470	56.451	ug/l #	98
23) Vinyl Acetate	6.07	43	1787402	274.421	ug/l	99
24) 1,1-Dichloroethane	6.03	63	304396	54.456	ug/l	99
25) 2-Butanone	7.00	43	360196	270.745	ug/l	97
26) 2,2-Dichloropropane	6.99	77	277529	54.329	ug/l	97
27) cis-1,2-Dichloroethene	7.00	96	192168	53.247	ug/l	96
28) Bromochloromethane	7.35	49	136694	53.324	ug/l	95
29) Tetrahydrofuran	7.36	42	197698	242.908	ug/l	99
30) Chloroform	7.52	83	302890	53.565	ug/l	99
31) Cyclohexane	7.79	56	307401	52.506	ug/l	94
32) 1,1,1-Trichloroethane	7.71	97	269658	53.508	ug/l	98
36) 1,1-Dichloropropene	7.93	75	244454	53.069	ug/l	98
37) Ethyl Acetate	7.08	43	139653	51.066	ug/l	98
38) Carbon Tetrachloride	7.91	117	236282	53.309	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY110719\
 Data File : VY000567.D
 Acq On : 07 Nov 2019 09:49
 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
 11/8/2019 4:07:29 PM

Quant Time: Nov 08 03:55:05 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)
39) Methylcyclohexane	9.19	83	321181	53.971	ug/l	98
40) Benzene	8.17	78	717761	53.149	ug/l	98
41) Methacrylonitrile	7.33	41	66420m	43.536	ug/l	
42) 1,2-Dichloroethane	8.25	62	205327	53.606	ug/l	100
43) Isopropyl Acetate	8.28	43	268835	52.330	ug/l	99
44) Trichloroethene	8.95	130	183441	51.519	ug/l	98
45) 1,2-Dichloropropane	9.22	63	181636	54.648	ug/l	97
46) Dibromomethane	9.32	93	95703	52.356	ug/l	98
47) Bromodichloromethane	9.50	83	233386	53.809	ug/l	99
48) Methyl methacrylate	9.30	41	120142	53.525	ug/l	97
49) 1,4-Dioxane	9.33	88	22453	912.678	ug/l #	74
51) 4-Methyl-2-Pentanone	10.08	43	721169	264.031	ug/l	99
52) Toluene	10.25	92	460344	53.917	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	257906	55.650	ug/l	100
54) cis-1,3-Dichloropropene	9.94	75	291017	54.814	ug/l	98
55) 1,1,2-Trichloroethane	10.65	97	141412	53.486	ug/l	95
56) Ethyl methacrylate	10.52	69	210667	56.219	ug/l	99
57) 1,3-Dichloropropane	10.80	76	247383	53.461	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.79	63	427228	252.186	ug/l	97
59) 2-Hexanone	10.83	43	583634	293.274	ug/l	99
60) Dibromochloromethane	10.99	129	160694	53.063	ug/l	99
61) 1,2-Dibromoethane	11.09	107	133467	52.503	ug/l	98
64) Tetrachloroethene	10.72	164	183866	50.092	ug/l	98
65) Chlorobenzene	11.52	112	474258	52.695	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	165263	52.945	ug/l	99
67) Ethyl Benzene	11.60	91	895454	54.060	ug/l	98
68) m/p-Xylenes	11.70	106	674566	105.220	ug/l	94
69) o-Xylene	12.03	106	319474	53.023	ug/l	99
70) Styrene	12.05	104	557757	54.060	ug/l	99
71) Bromoform	12.21	173	96520	53.762	ug/l #	100
73) Isopropylbenzene	12.33	105	870982	53.819	ug/l	100
74) N-amyl acetate	12.14	43	255171	55.054	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	168456	52.571	ug/l	100
76) 1,2,3-Trichloropropane	12.63	75	129445m	51.918	ug/l	
77) Bromobenzene	12.61	156	188254	51.297	ug/l	95
78) n-propylbenzene	12.67	91	1066138	54.599	ug/l	99
79) 2-Chlorotoluene	12.76	91	589871	54.414	ug/l	98
80) 1,3,5-Trimethylbenzene	12.81	105	729664	54.136	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	61024	54.878	ug/l	98
82) 4-Chlorotoluene	12.86	91	627376	55.832	ug/l	96
83) tert-Butylbenzene	13.08	119	612665	53.237	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	725846	54.087	ug/l	97
85) sec-Butylbenzene	13.25	105	888548	54.193	ug/l	100
86) p-Isopropyltoluene	13.37	119	789879	54.053	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	371525	51.685	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	379406	52.820	ug/l	100
89) n-Butylbenzene	13.70	91	790693	54.860	ug/l	99
90) Hexachloroethane	13.96	117	148735	55.056	ug/l	95
91) 1,2-Dichlorobenzene	13.74	146	344103	52.761	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	28559	50.360	ug/l	97

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_Y\DATA\VY110719\
Data File : VY000567.D
Acq On : 07 Nov 2019 09:49
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
11/8/2019 4:07:29 PM

Quant Time: Nov 08 03:55:05 2019
Quant Method : Z:\V0ASRV\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)
93) 1,2,4-Trichlorobenzene	15.01	180	227802	51.298	ug/l	99
94) Hexachlorobutadiene	15.11	225	116924	51.078	ug/l	98
95) Naphthalene	15.23	128	504737	51.200	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	201557	50.591	ug/l	99

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

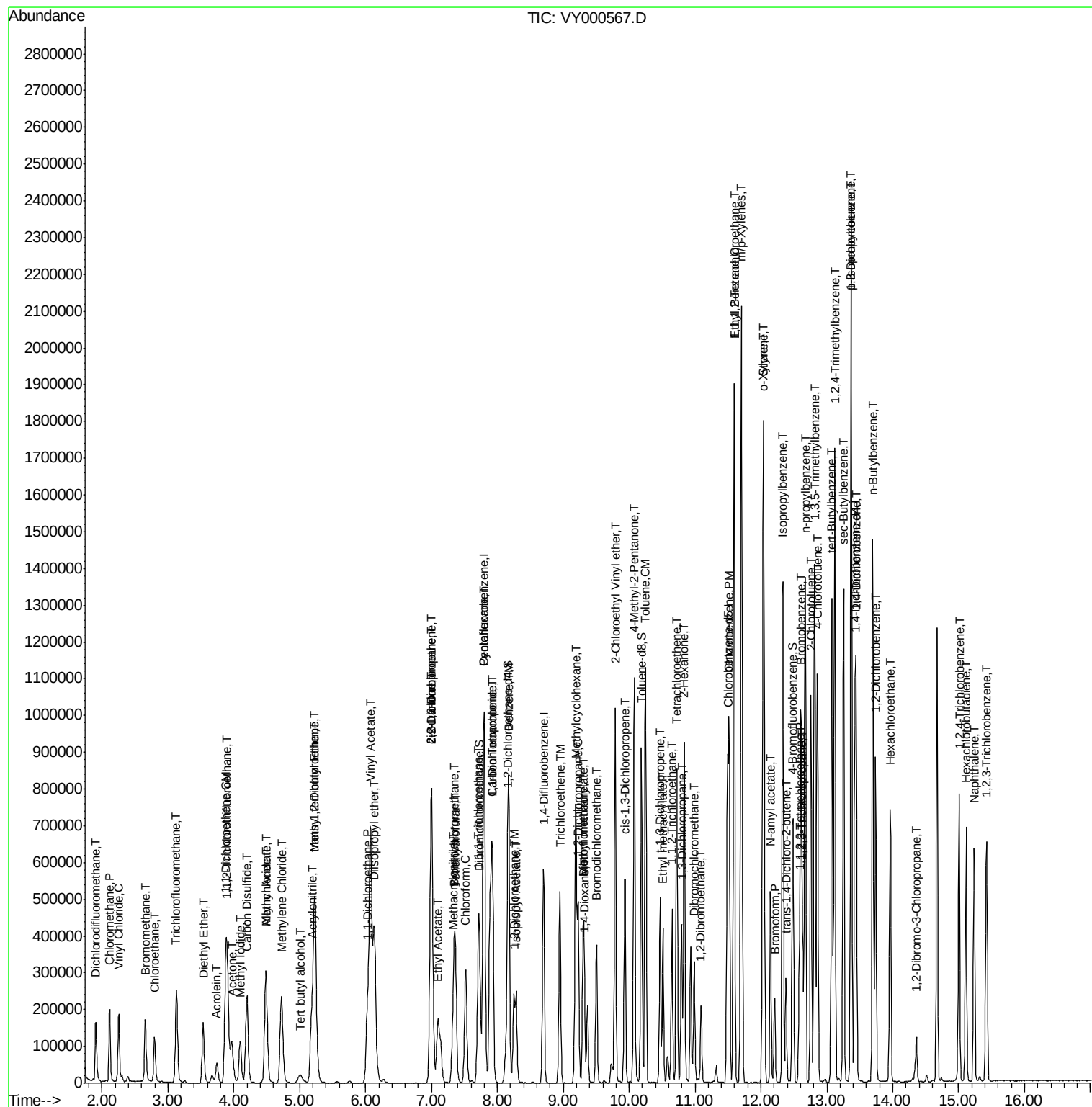
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_Y\DATA\VY110719\
Data File : VY000567.D
Acq On : 07 Nov 2019 09:49
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00G/5ML/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

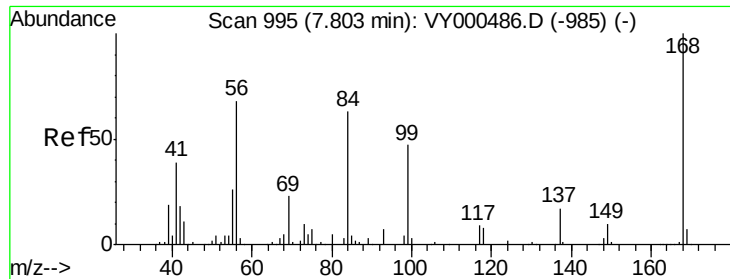
Instrument :
MSVOA_Y
Client Sample Id :
VSTDCCC050

Manual Integrations
APPROVED

MMDadoda
11/8/2019 4:07:29 PM

Quant Time: Nov 08 03:55:05 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 30 13:30:53 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.00 min

Lab File: VY000567.D

Acq: 07 Nov 2019 09:49

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion:168 Resp: 292267

Ion Ratio Lower Upper

168 100

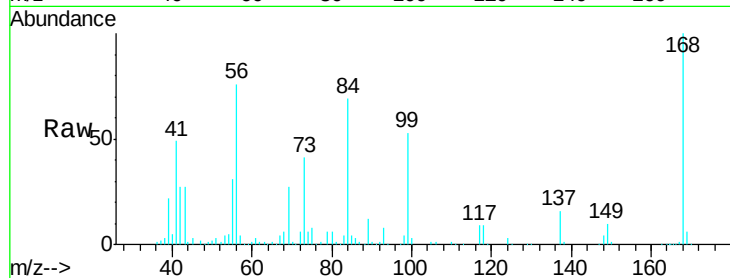
99 53.2 45.7 68.5

Manual Integrations

APPROVED

MMDadoda

11/8/2019 4:07:29 PM



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

150000

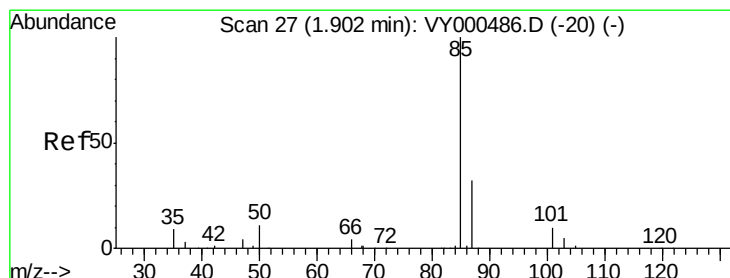
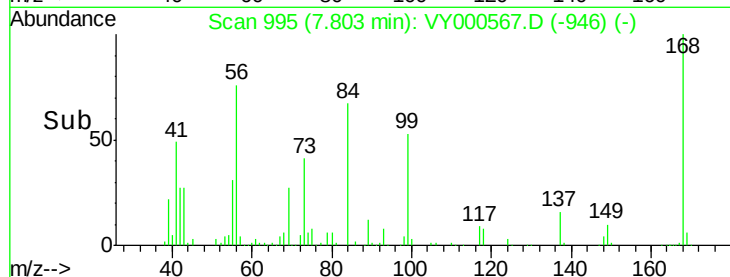
100000

50000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 51.700 ug/l

RT: 1.90 min Scan# 27

Delta R.T. -0.00 min

Lab File: VY000567.D

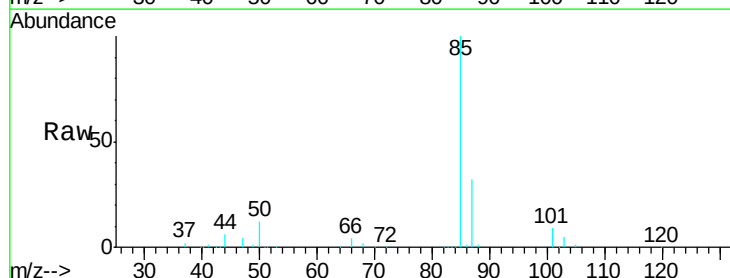
Acq: 07 Nov 2019 09:49

Tgt Ion: 85 Resp: 148745

Ion Ratio Lower Upper

85 100

87 31.6 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) (-)

1.90

100000

80000

60000

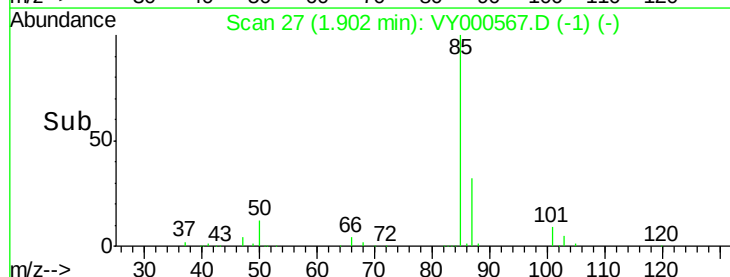
40000

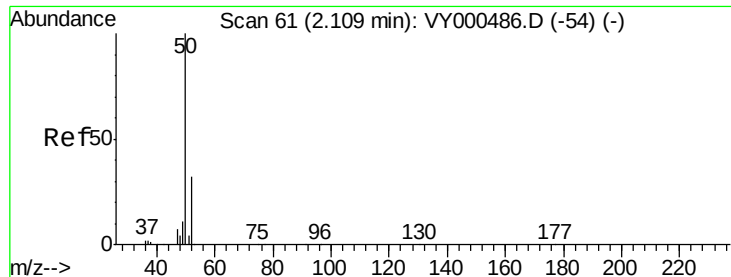
20000

0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 50.474 ug/l

RT: 2.12 min Scan# 62

Delta R.T. 0.01 min

Lab File: VY000567.D

Acq: 07 Nov 2019 09:49

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 50 Resp: 200044

Ion Ratio Lower Upper

50 100

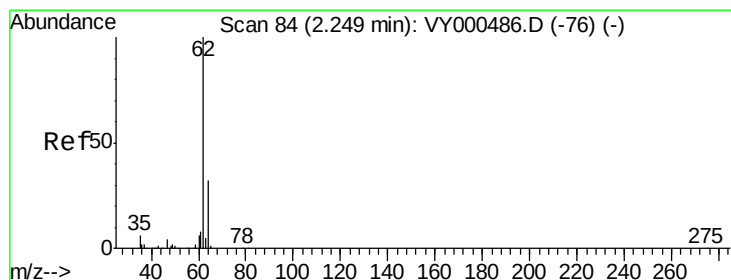
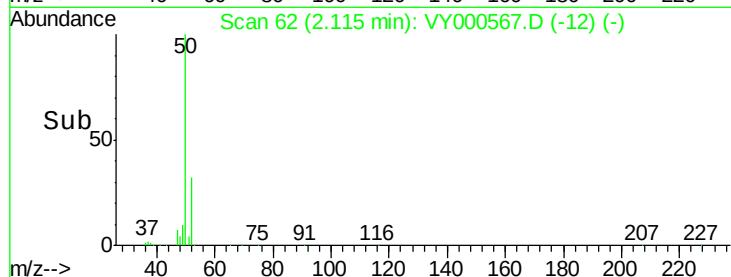
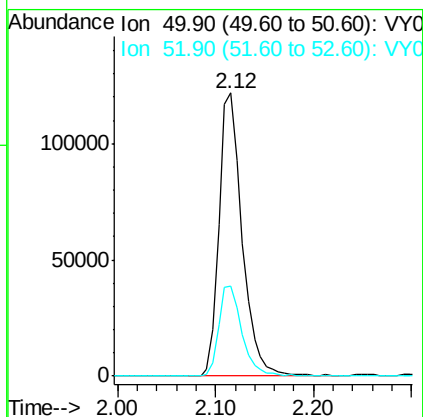
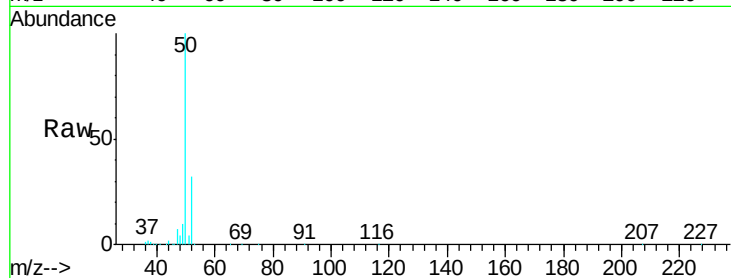
52 31.8 25.2 37.8

Manual Integrations

APPROVED

MMDadoda

11/8/2019 4:07:29 PM



#4

Vinyl Chloride

Concen: 51.417 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.01 min

Lab File: VY000567.D

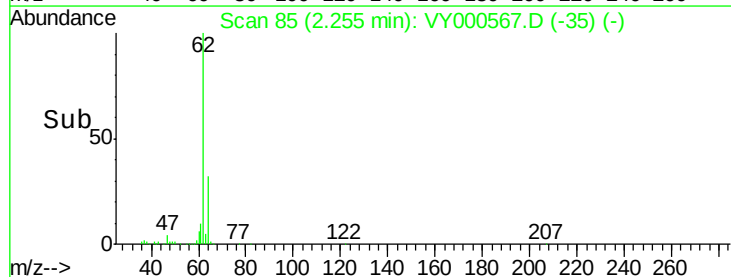
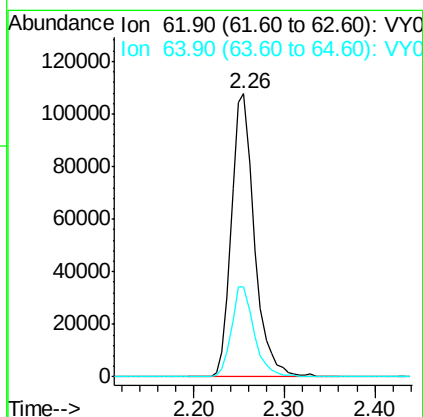
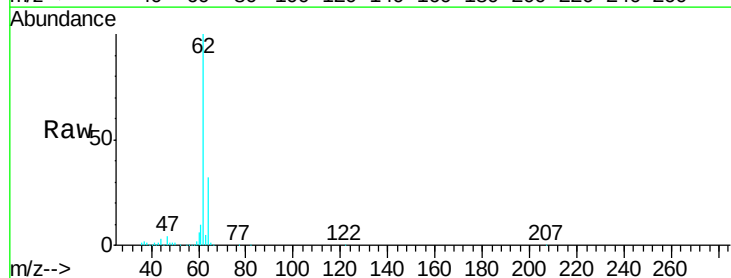
Acq: 07 Nov 2019 09:49

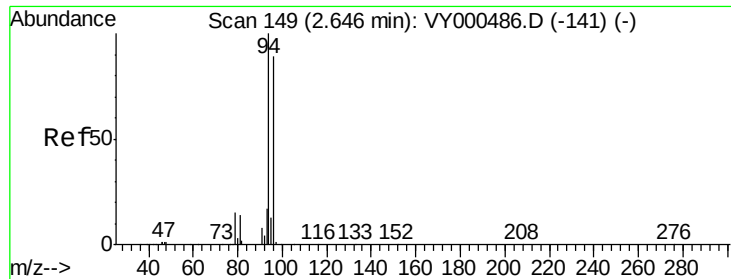
Tgt Ion: 62 Resp: 189238

Ion Ratio Lower Upper

62 100

64 32.0 25.2 37.8





#5

Bromomethane

Concen: 50.775 ug/l

RT: 2.66 min Scan# 151

Delta R.T. 0.01 min

Lab File: VY000567.D

Acq: 07 Nov 2019 09:49

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 94 Resp: 112061

Ion Ratio Lower Upper

94 100

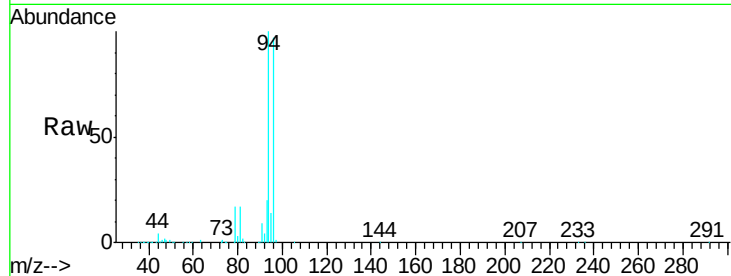
96 97.3 71.2 106.8

Manual Integrations

APPROVED

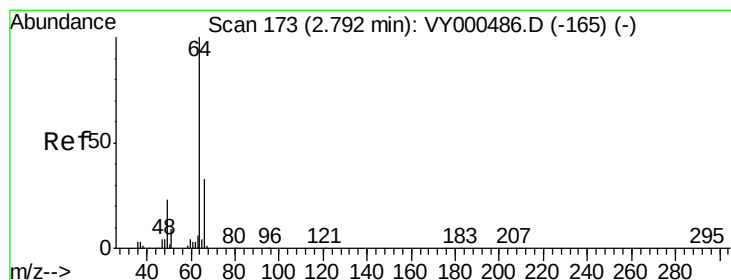
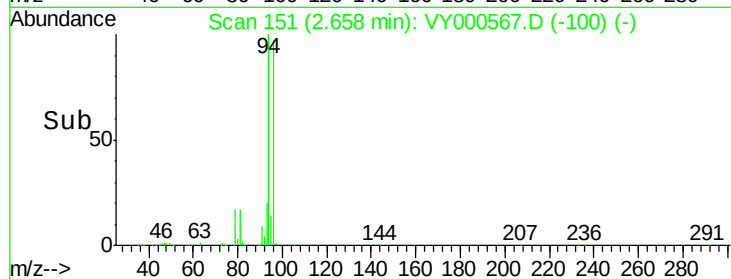
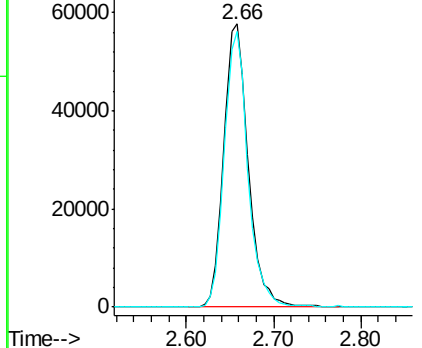
MMDadoda

11/8/2019 4:07:29 PM



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 52.723 ug/l

RT: 2.80 min Scan# 174

Delta R.T. 0.01 min

Lab File: VY000567.D

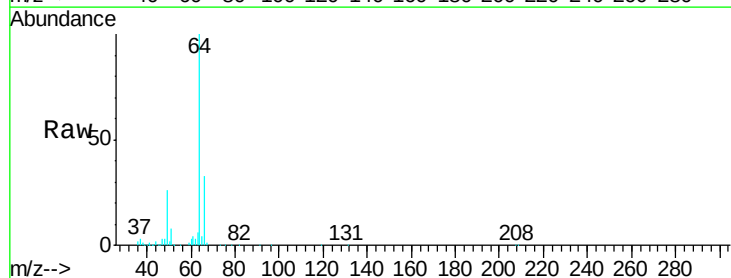
Acq: 07 Nov 2019 09:49

Tgt Ion: 64 Resp: 121444

Ion Ratio Lower Upper

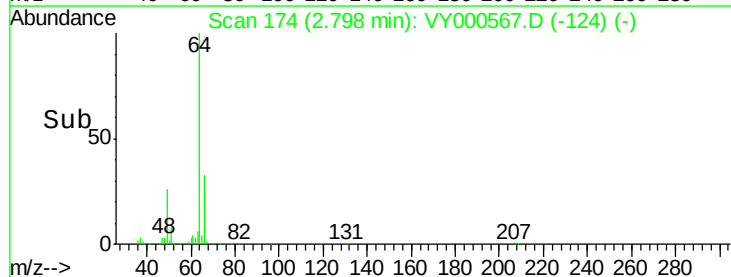
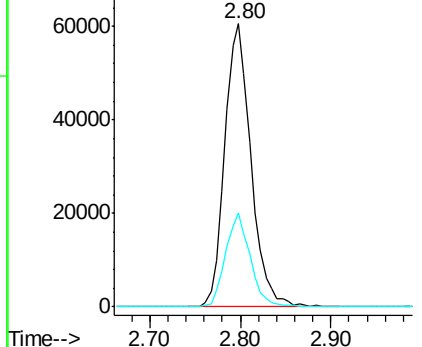
64 100

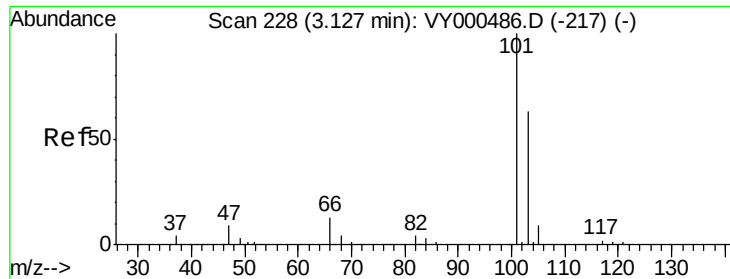
66 33.2 26.6 40.0



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

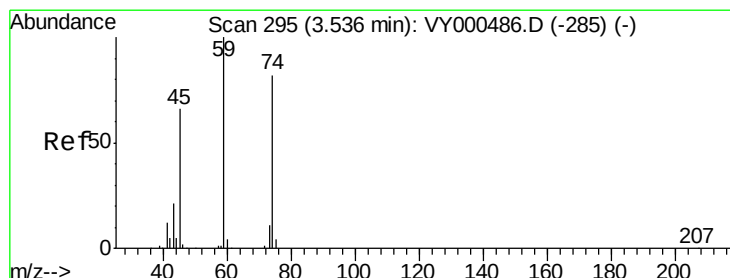
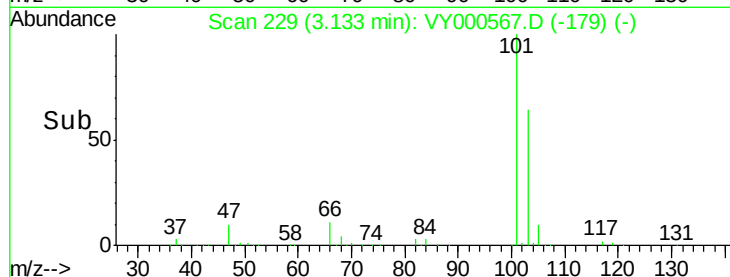
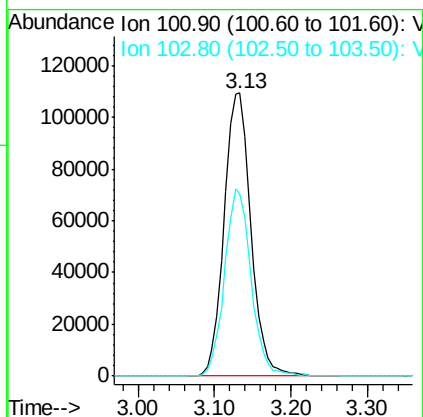
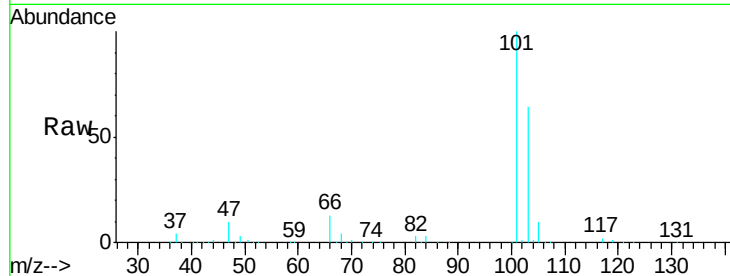
Trichlorofluoromethane
Concen: 53.373 ug/l
RT: 3.13 min Scan# 229
Delta R.T. 0.01 min
Lab File: VY000567.D
Acq: 07 Nov 2019 09:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
101	100		
103	64.5	50.5	75.7

Manual Integrations
APPROVED

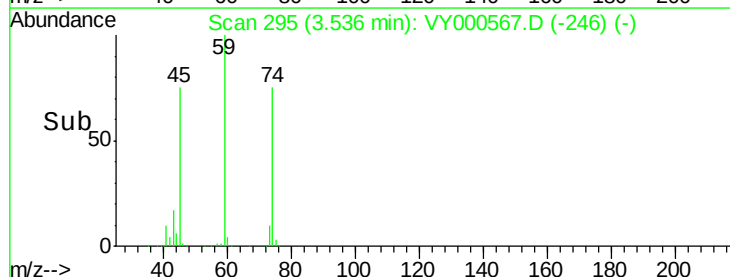
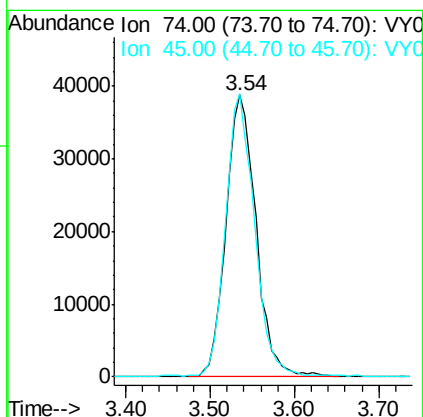
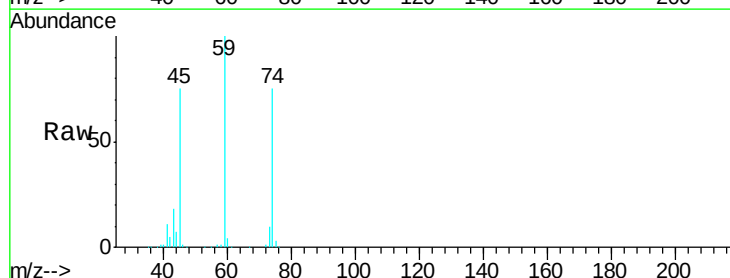
MMDadoda
11/8/2019 4:07:29 PM

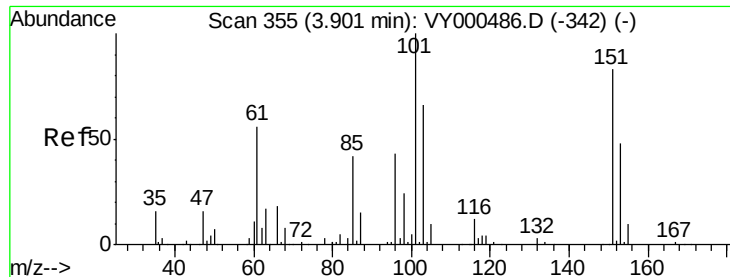


#8

Diethyl Ether
Concen: 52.803 ug/l
RT: 3.54 min Scan# 295
Delta R.T. -0.00 min
Lab File: VY000567.D
Acq: 07 Nov 2019 09:49

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.6	45.5	136.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.056 ug/l

RT: 3.90 min Scan# 355

Delta R.T. 0.00 min

Lab File: VY000567.D

Acq: 07 Nov 2019 09:49

Instrument :

MSVOA_Y

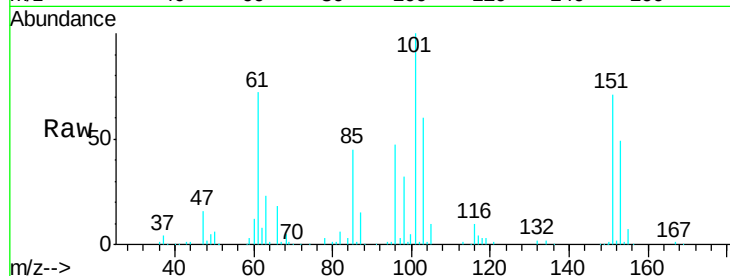
ClientSampleId :

VSTDCCC050

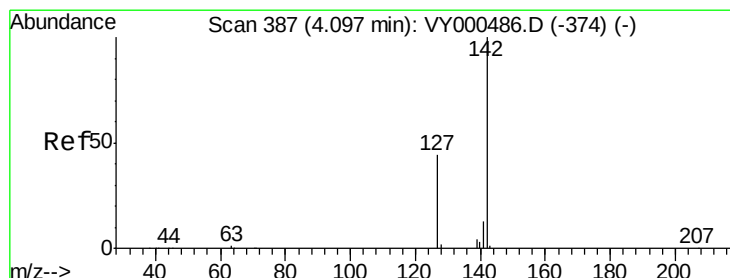
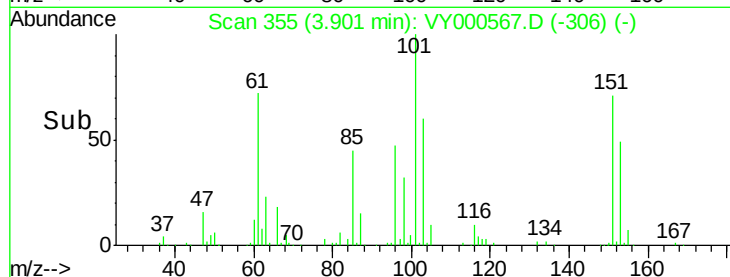
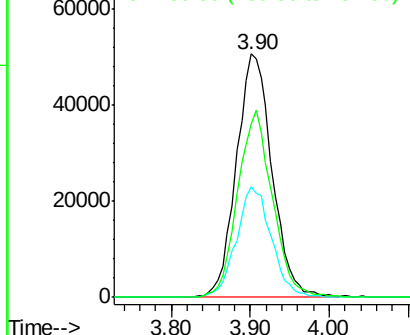
Tgt Ion:	101	Resp:	159428
Ion Ratio	Lower	Upper	
101	100		
85	44.5	36.7	55.1
151	74.8	64.3	96.5

Manual Integrations
APPROVED

MMDadoda
11/8/2019 4:07:29 PM



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: 46.707 ug/l

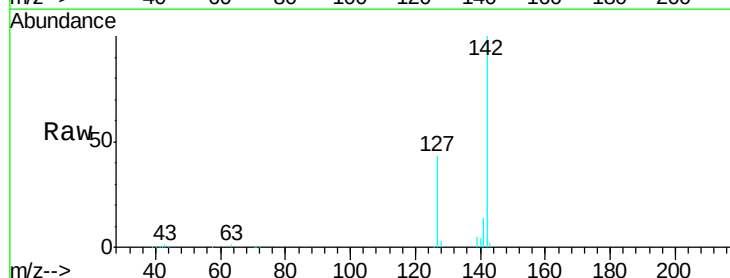
RT: 4.10 min Scan# 387

Delta R.T. 0.00 min

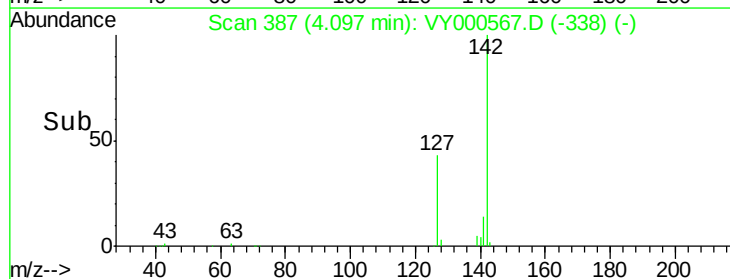
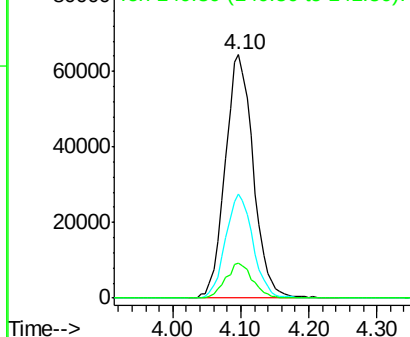
Lab File: VY000567.D

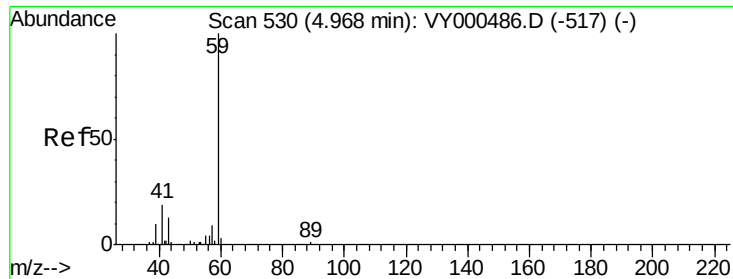
Acq: 07 Nov 2019 09:49

Tgt Ion:	142	Resp:	183847
Ion Ratio	Lower	Upper	
142	100		
127	42.0	33.7	50.5
141	13.9	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

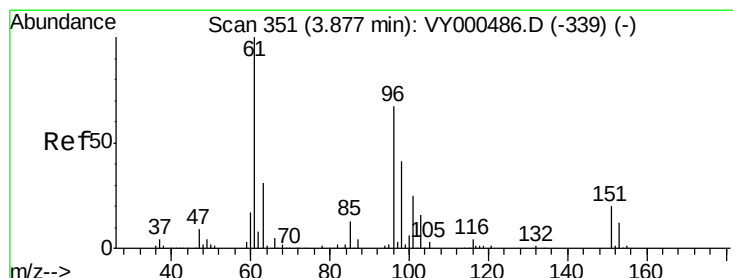
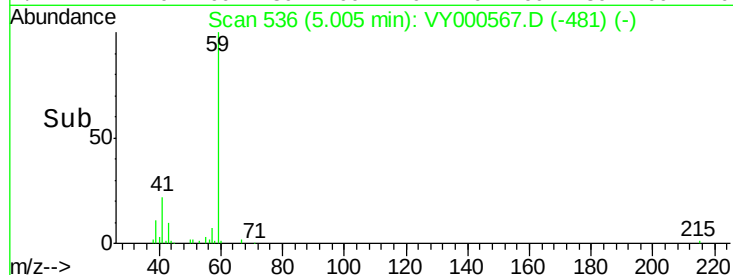
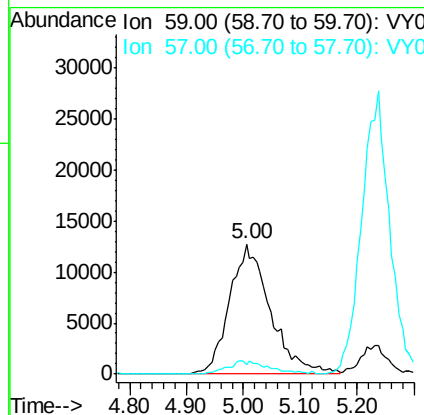
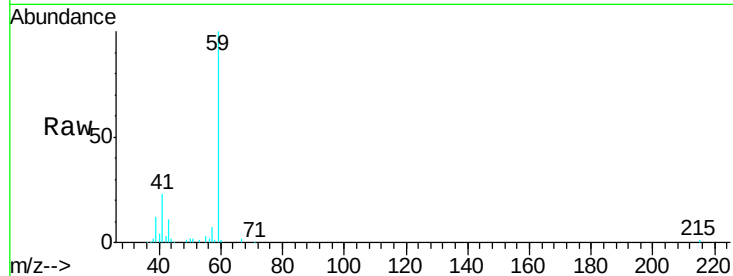
Tert butyl alcohol
Concen: 215.335 ug/l
RT: 5.00 min Scan# 536
Delta R.T. 0.04 min
Lab File: VY000567.D
Acq: 07 Nov 2019 09:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 59 Resp: 63400
Ion Ratio Lower Upper
59 100
57 4.9 8.6 12.8#

Manual Integrations
APPROVED

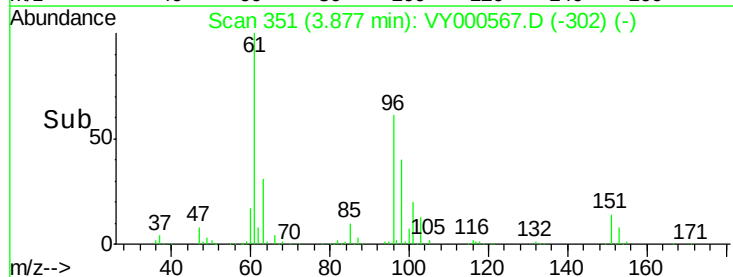
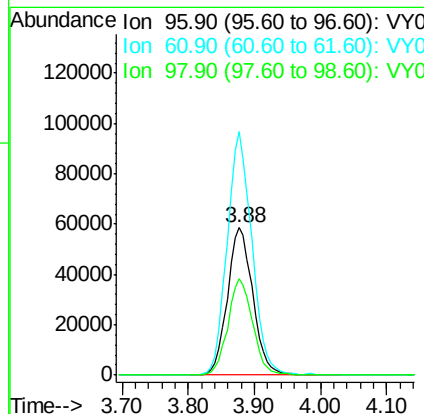
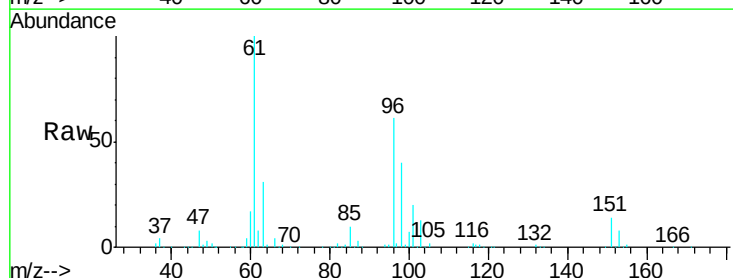
MMDadoda
11/8/2019 4:07:29 PM

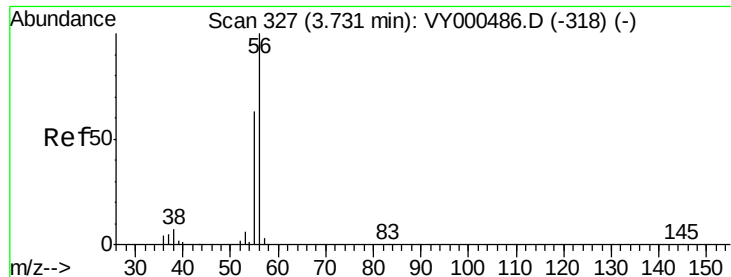


#12

1,1-Dichloroethene
Concen: 53.507 ug/l
RT: 3.88 min Scan# 351
Delta R.T. -0.00 min
Lab File: VY000567.D
Acq: 07 Nov 2019 09:49

Tgt Ion: 96 Resp: 156209
Ion Ratio Lower Upper
96 100
61 165.1 119.2 178.8
98 65.7 48.6 73.0





#13

Acrolein

Concen: 270.428 ug/l

RT: 3.74 min Scan# 328

Delta R.T. 0.01 min

Lab File: VY000567.D

Acq: 07 Nov 2019 09:49

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 69354

Ion Ratio Lower Upper

56 100

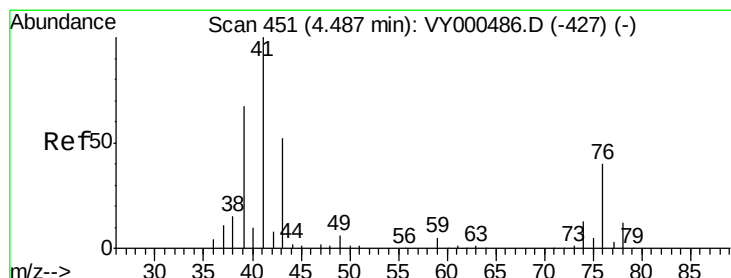
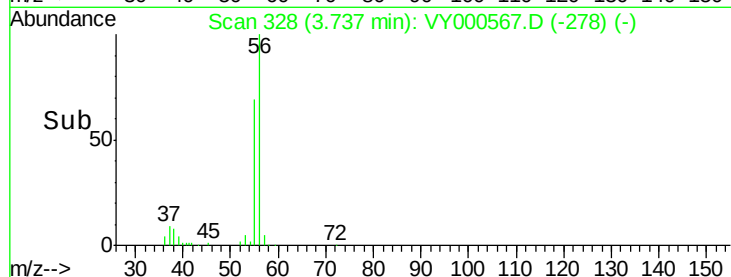
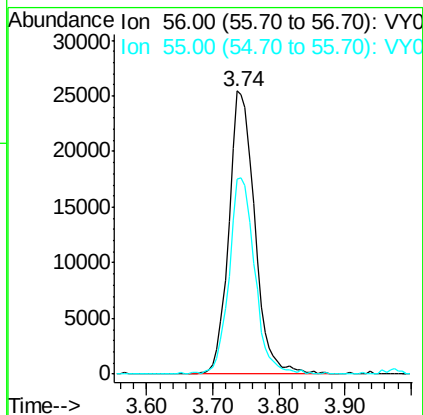
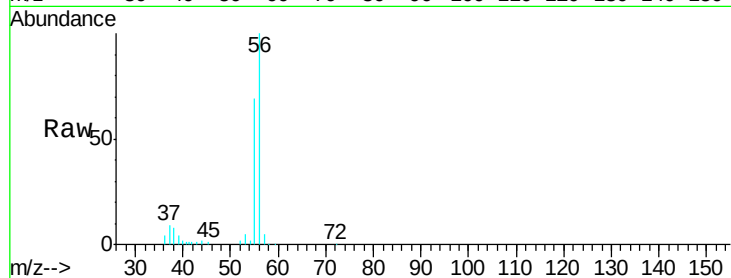
55 68.5 57.0 85.6

Manual Integrations

APPROVED

MMDadoda

11/8/2019 4:07:29 PM



#14

Allyl chloride

Concen: 56.233 ug/l

RT: 4.49 min Scan# 451

Delta R.T. -0.00 min

Lab File: VY000567.D

Acq: 07 Nov 2019 09:49

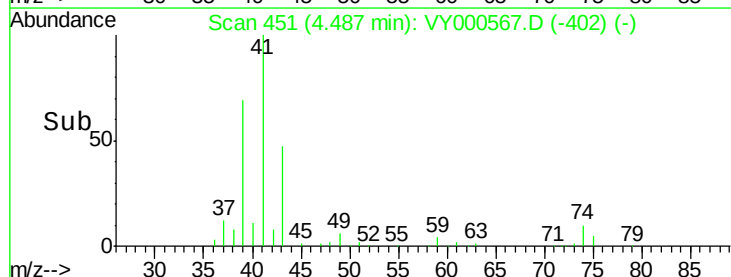
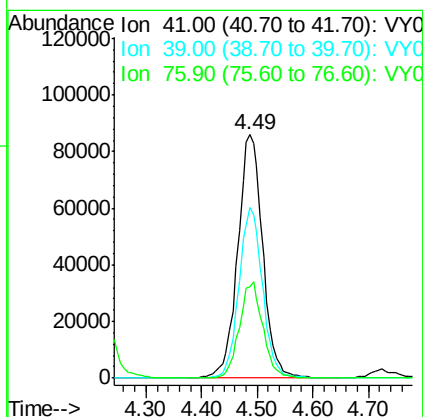
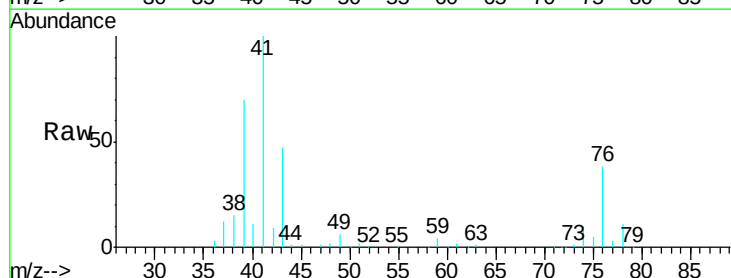
Tgt Ion: 41 Resp: 266948

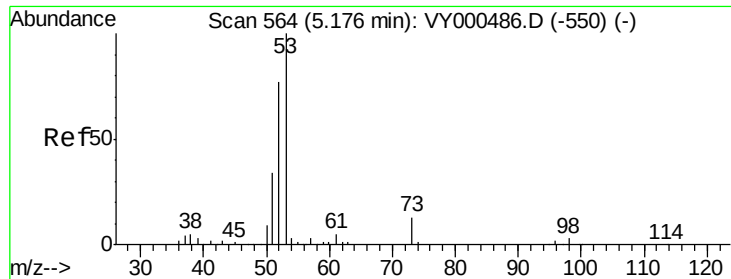
Ion Ratio Lower Upper

41 100

39 66.5 53.6 80.4

76 37.1 29.8 44.6





#15

Acrylonitrile

Concen: 250.573 ug/l

RT: 5.19 min Scan# 566

Delta R.T. 0.01 min

Lab File: VY000567.D

Acq: 07 Nov 2019 09:49

Instrument :

MSVOA_Y

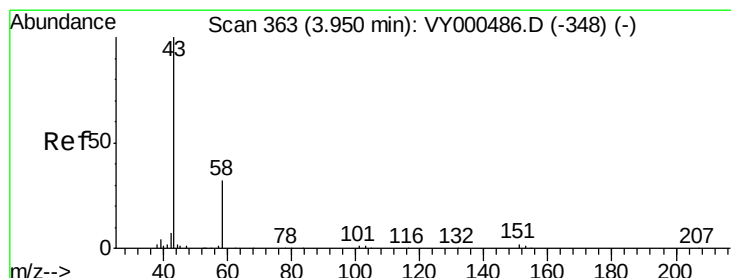
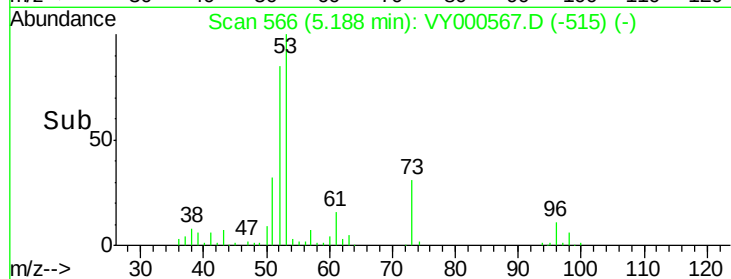
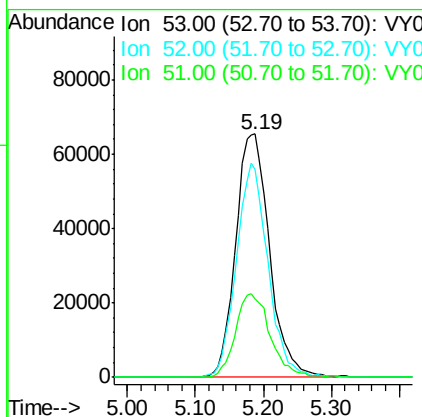
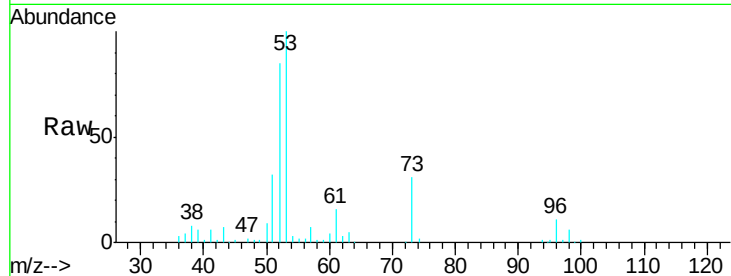
ClientSampleId :

VSTDCCC050

Tgt Ion:	53	Resp:	22695
Ion	Ratio	Lower	Upper
53	100		
52	82.3	64.9	97.3
51	35.5	27.6	41.4

Manual Integrations
APPROVED

MMDadoda
11/8/2019 4:07:29 PM



#16

Acetone

Concen: 243.183 ug/l

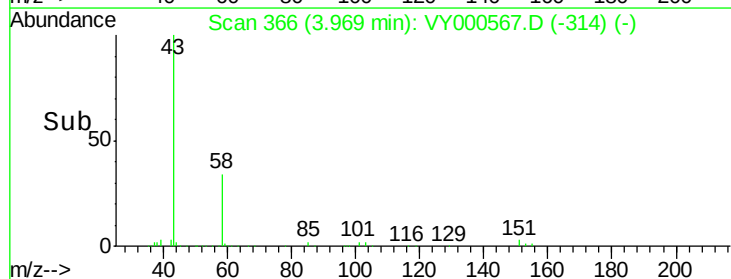
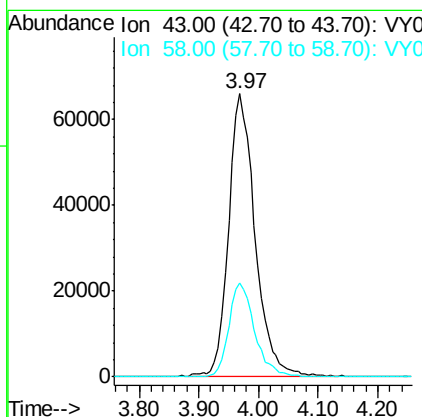
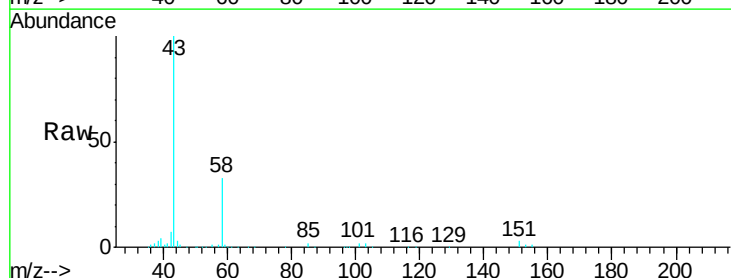
RT: 3.97 min Scan# 366

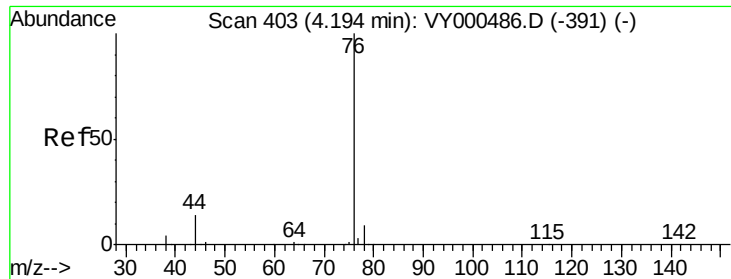
Delta R.T. 0.02 min

Lab File: VY000567.D

Acq: 07 Nov 2019 09:49

Tgt Ion:	43	Resp:	202720
Ion	Ratio	Lower	Upper
43	100		
58	33.3	25.8	38.6





#17

Carbon Disulfide

Concen: 51.833 ug/l

RT: 4.20 min Scan# 404

Delta R.T. 0.01 min

Lab File: VY000567.D

Acq: 07 Nov 2019 09:49

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 76 Resp: 477270

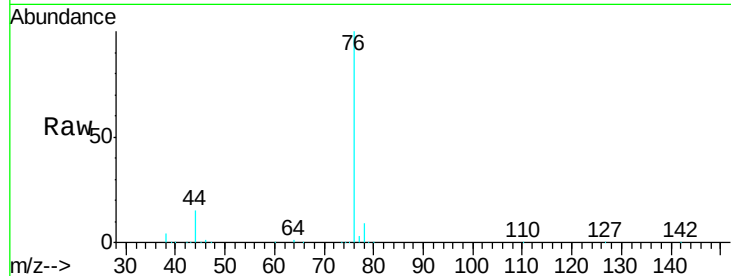
Ion Ratio Lower Upper

76 100

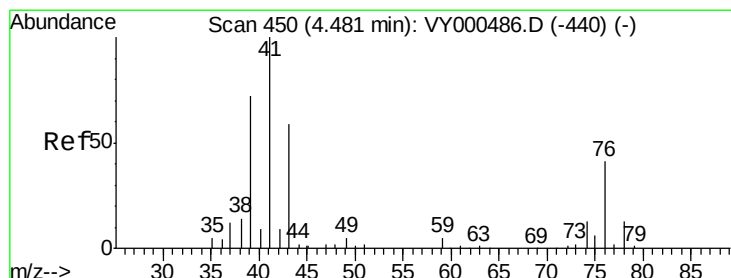
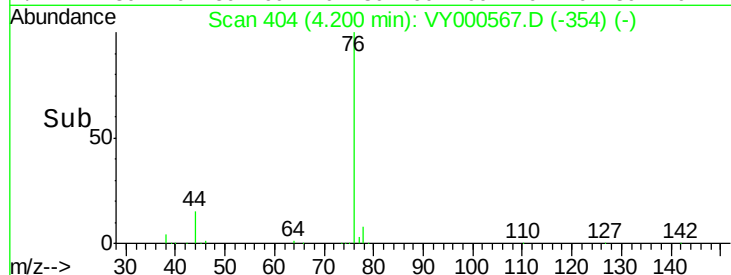
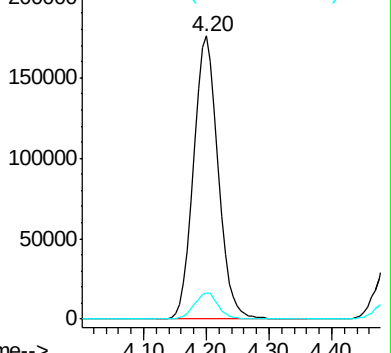
78 9.0 7.5 11.3

Manual Integrations
APPROVED

MMDadoda
11/8/2019 4:07:29 PM



Abundance Ion 75.90 (75.60 to 76.60): VY000486.D (-391) (-)



#18

Methyl Acetate

Concen: 48.989 ug/l

RT: 4.49 min Scan# 452

Delta R.T. 0.01 min

Lab File: VY000567.D

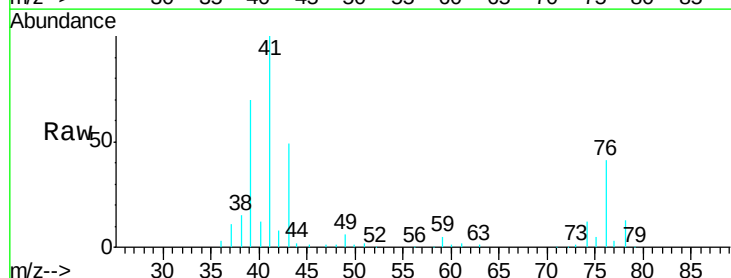
Acq: 07 Nov 2019 09:49

Tgt Ion: 43 Resp: 126977

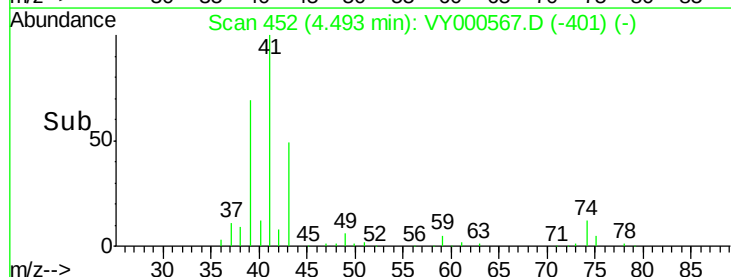
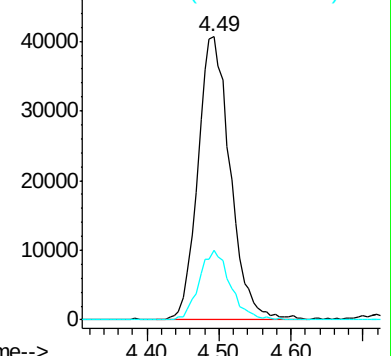
Ion Ratio Lower Upper

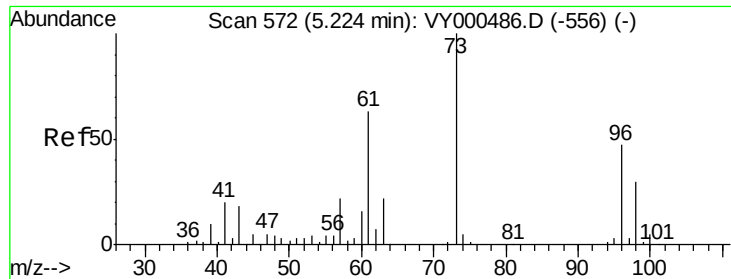
43 100

74 23.3 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VY000486.D (-440) (-)





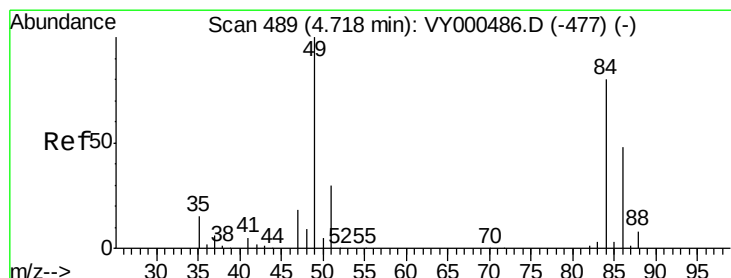
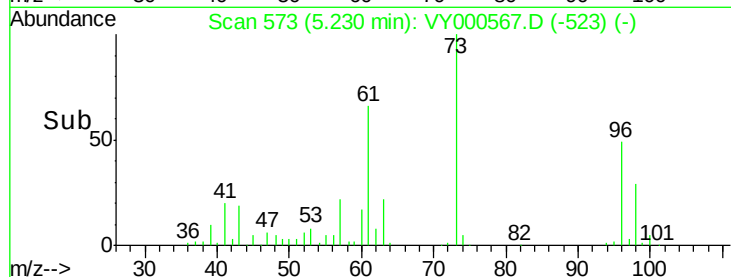
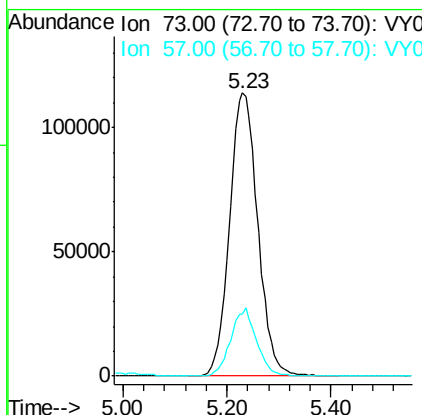
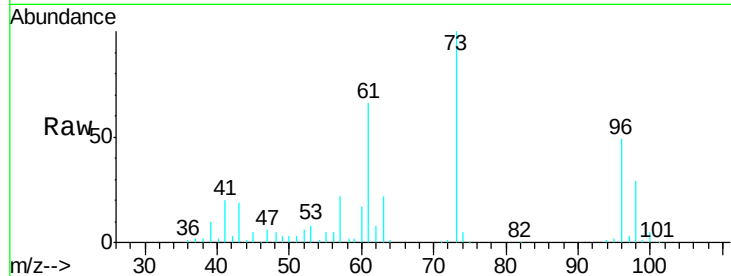
#19
Methyl tert-butyl Ether
Concen: 53.028 ug/l
RT: 5.23 min Scan# 573
Delta R.T. 0.01 min
Lab File: VY000567.D
Acq: 07 Nov 2019 09:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 430437
Ion Ratio Lower Upper
73 100
57 21.9 17.4 26.0

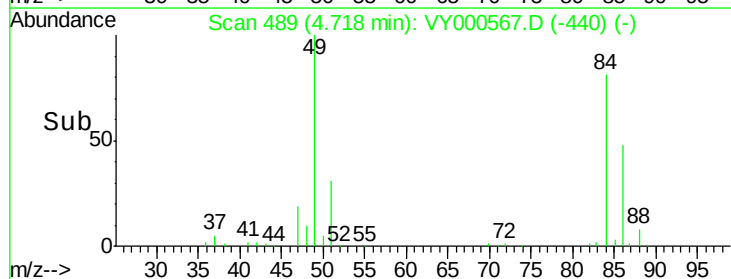
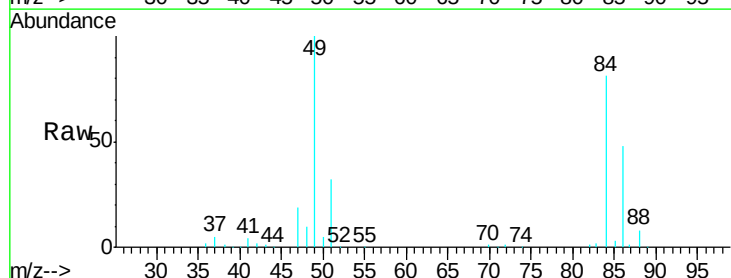
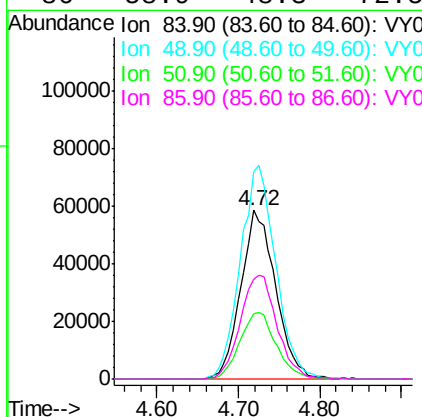
Manual Integrations
APPROVED

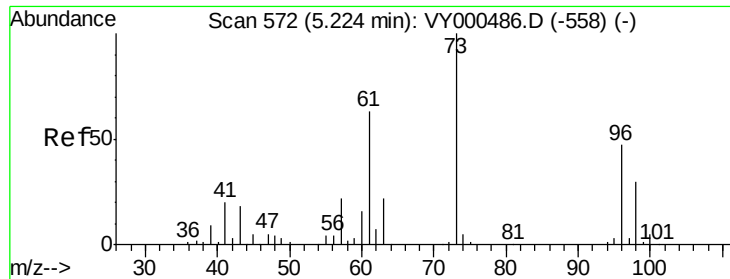
MMDadoda
11/8/2019 4:07:29 PM



#20
Methylene Chloride
Concen: 48.623 ug/l
RT: 4.72 min Scan# 489
Delta R.T. -0.00 min
Lab File: VY000567.D
Acq: 07 Nov 2019 09:49

Tgt Ion: 84 Resp: 173679
Ion Ratio Lower Upper
84 100
49 123.0 100.2 150.4
51 38.9 29.6 44.4
86 58.9 48.3 72.5





#21

trans-1,2-Dichloroethene

Concen: 52.089 ug/l

RT: 5.23 min Scan# 573

Delta R.T. 0.01 min

Lab File: VY000567.D

Acq: 07 Nov 2019 09:49

Instrument :

MSVOA_Y

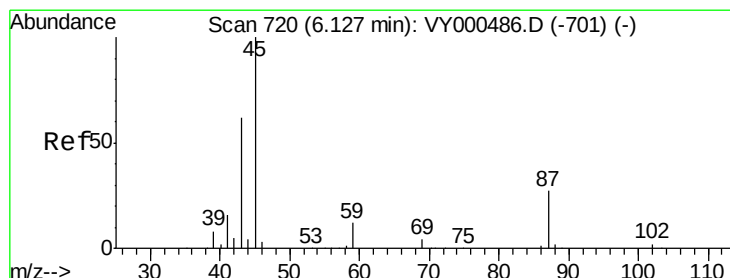
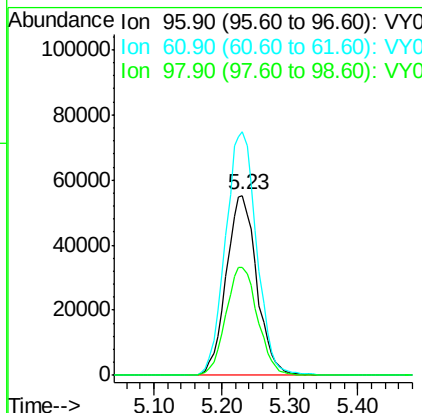
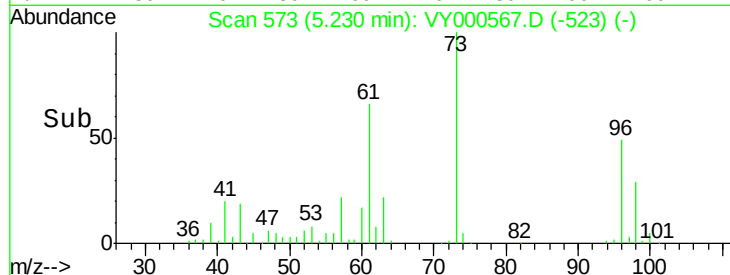
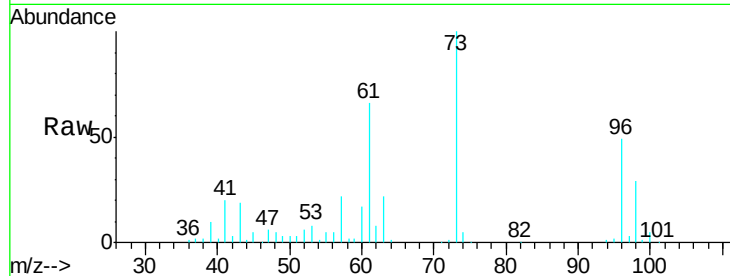
ClientSampleId :

VSTDCCC050

Tgt Ion:	96	Resp:	171920
Ion	Ratio	Lower	Upper
96	100		
61	135.3	106.6	160.0
98	60.1	50.6	76.0

Manual Integrations
APPROVED

MMDadoda
11/8/2019 4:07:29 PM



#22

Diisopropyl ether

Concen: 56.451 ug/l

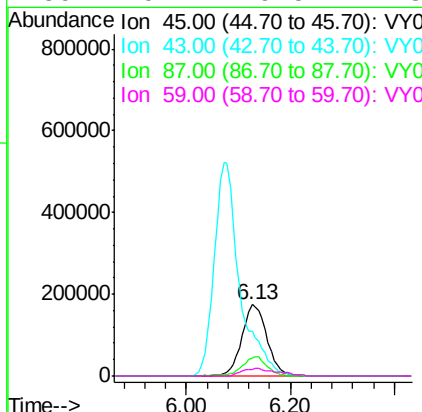
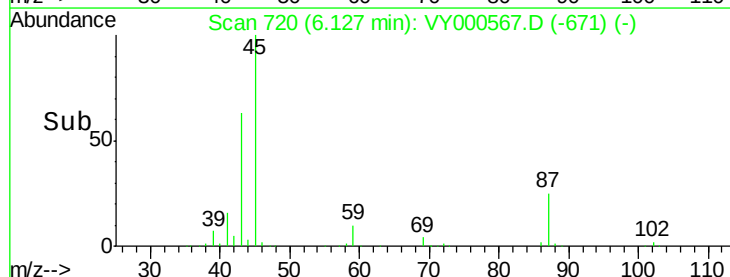
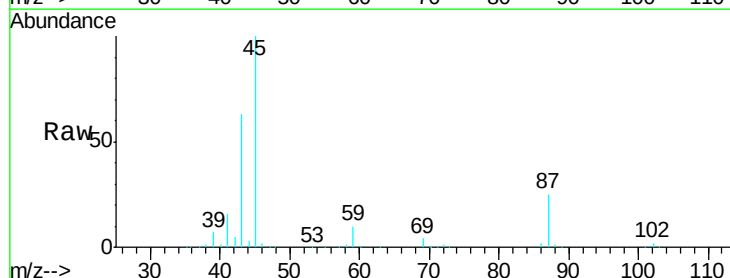
RT: 6.13 min Scan# 720

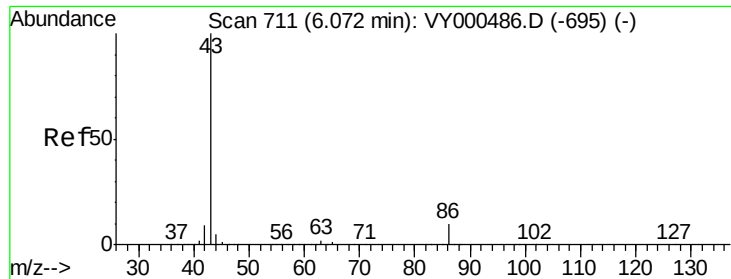
Delta R.T. -0.00 min

Lab File: VY000567.D

Acq: 07 Nov 2019 09:49

Tgt Ion:	45	Resp:	582470
Ion	Ratio	Lower	Upper
45	100		
43	62.4	50.0	75.0
87	25.3	21.6	32.4
59	9.4	9.5	14.3#





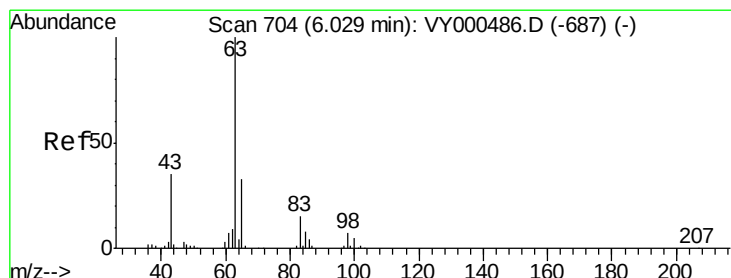
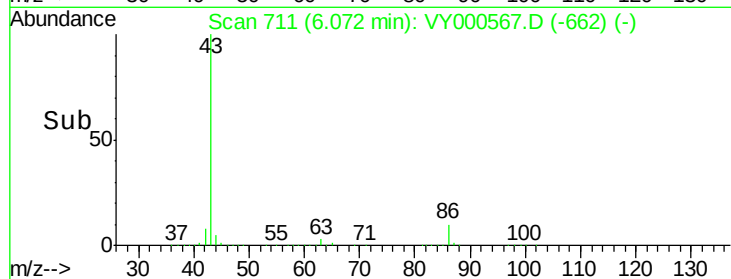
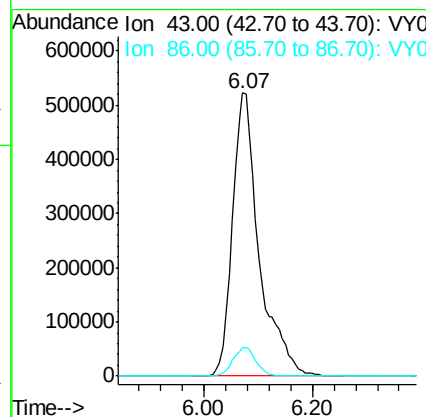
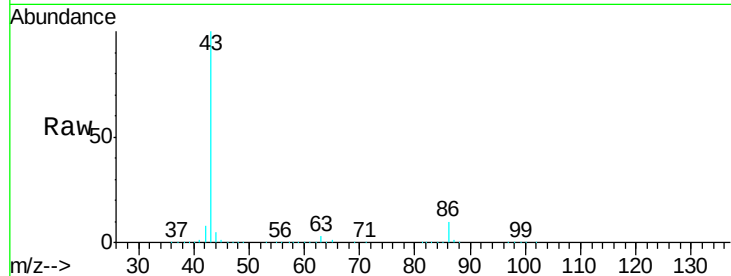
#23
 Vinyl Acetate
 Concen: 274.421 ug/l
 RT: 6.07 min Scan# 711
 Delta R.T. 0.00 min
 Lab File: VY000567.D
 Acq: 07 Nov 2019 09:49

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 43 Resp: 1787402
 Ion Ratio Lower Upper
 43 100
 86 10.2 7.8 11.6

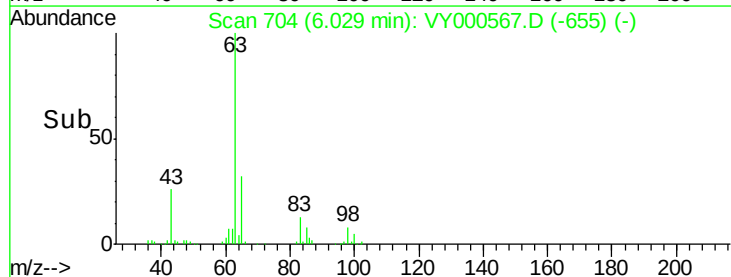
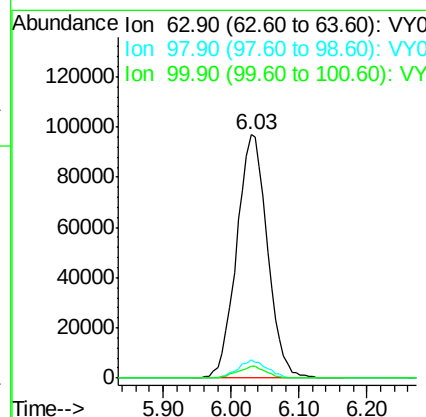
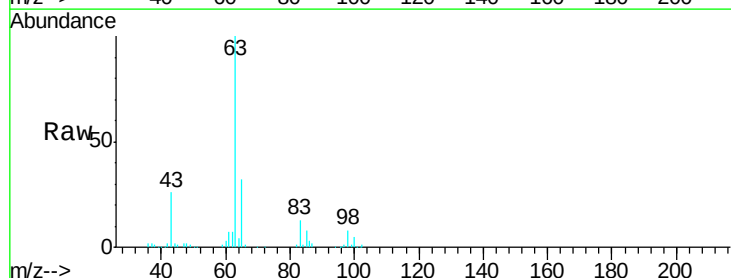
Manual Integrations
 APPROVED

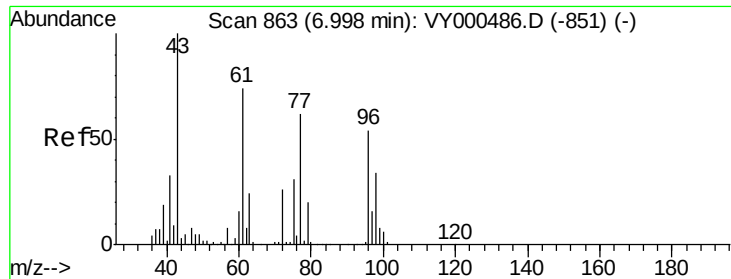
MMDadoda
 11/8/2019 4:07:29 PM



#24
 1,1-Dichloroethane
 Concen: 54.456 ug/l
 RT: 6.03 min Scan# 704
 Delta R.T. 0.00 min
 Lab File: VY000567.D
 Acq: 07 Nov 2019 09:49

Tgt Ion: 63 Resp: 304396
 Ion Ratio Lower Upper
 63 100
 98 7.7 3.5 10.6
 100 5.0 2.4 7.1





#25

2-Butanone

Concen: 270.745 ug/l

RT: 7.00 min Scan# 864

Delta R.T. 0.01 min

Lab File: VY000567.D

Acq: 07 Nov 2019 09:49

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 360196

Ion Ratio Lower Upper

43 100

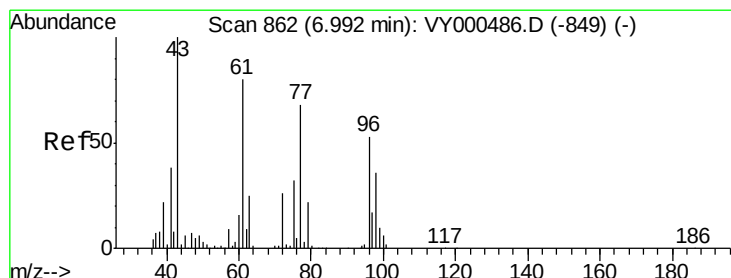
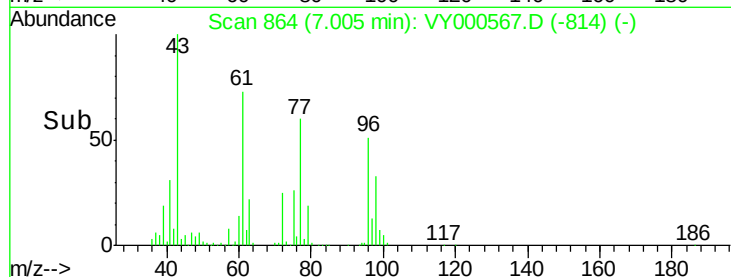
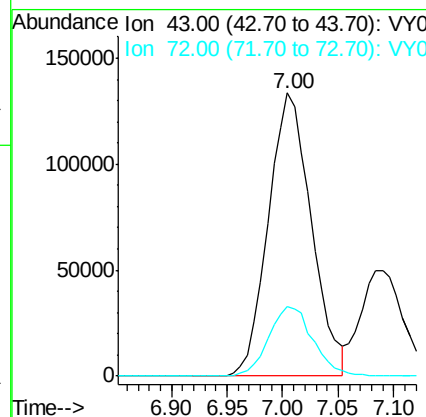
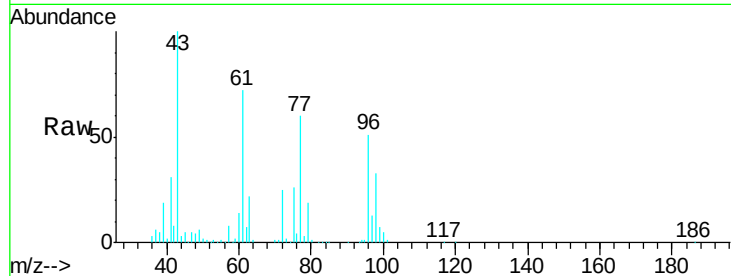
72 24.8 20.9 31.3

Manual Integrations

APPROVED

MMDadoda

11/8/2019 4:07:29 PM



#26

2,2-Dichloropropane

Concen: 54.329 ug/l

RT: 6.99 min Scan# 862

Delta R.T. 0.00 min

Lab File: VY000567.D

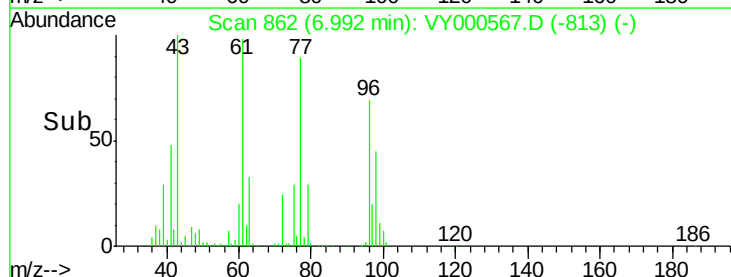
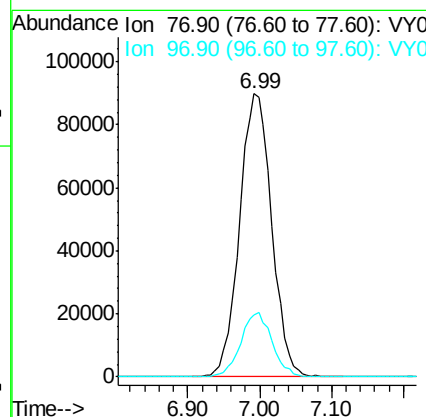
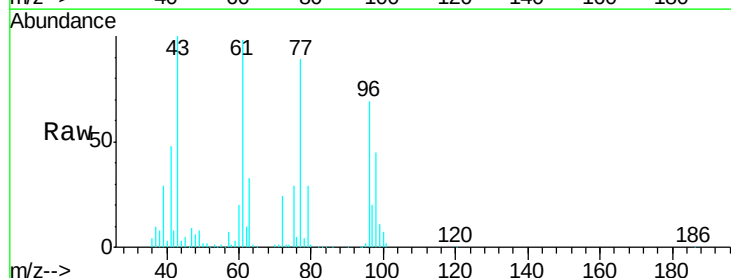
Acq: 07 Nov 2019 09:49

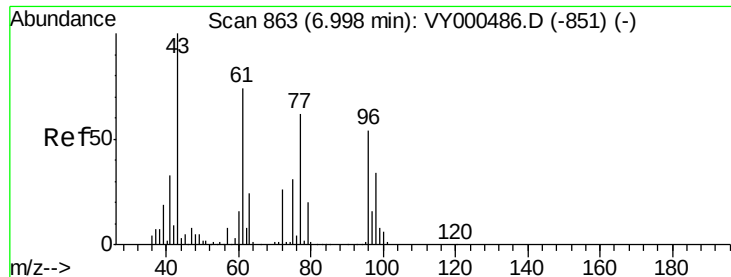
Tgt Ion: 77 Resp: 277529

Ion Ratio Lower Upper

77 100

97 22.2 11.8 35.4





#27

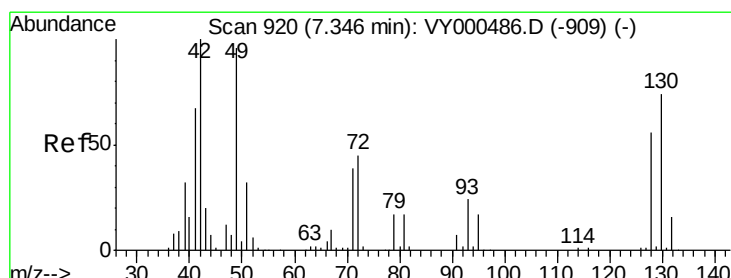
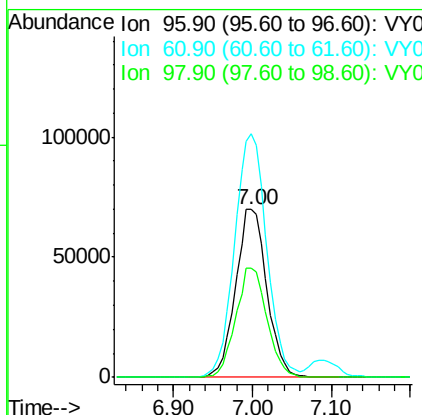
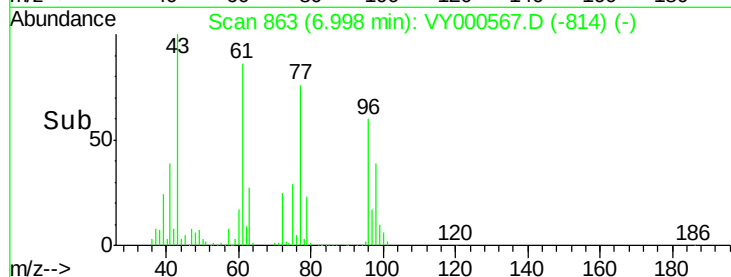
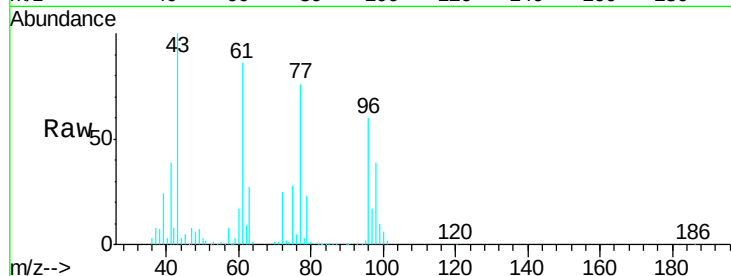
cis-1,2-Dichloroethene
Concen: 53.247 ug/l
RT: 7.00 min Scan# 863
Delta R.T. 0.00 min
Lab File: VY000567.D
Acq: 07 Nov 2019 09:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	192168		
61	149.4	0.0	287.0	
98	65.4	0.0	129.4	

Manual Integrations
APPROVED

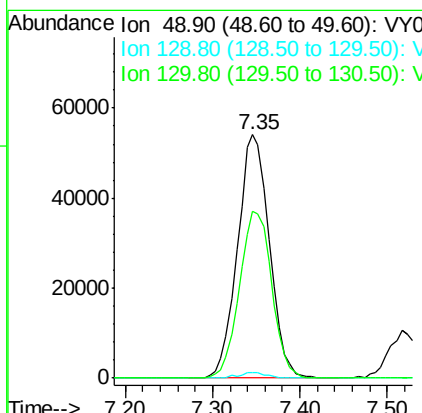
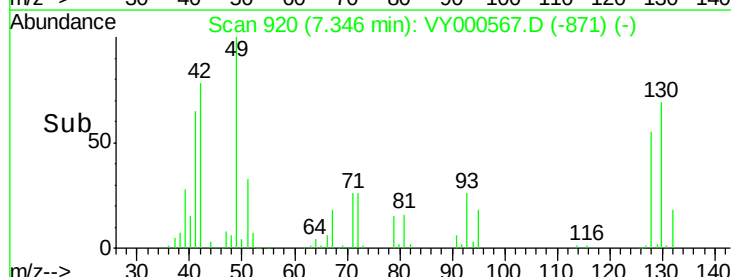
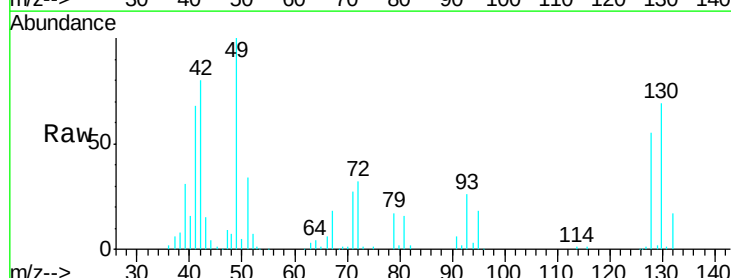
MMDadoda
11/8/2019 4:07:29 PM

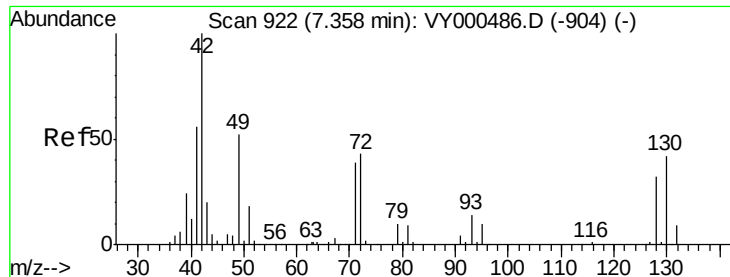


#28

Bromochloromethane
Concen: 53.324 ug/l
RT: 7.35 min Scan# 920
Delta R.T. 0.00 min
Lab File: VY000567.D
Acq: 07 Nov 2019 09:49

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	136694		
129	2.1	0.0	3.6	
130	69.5	59.4	89.0	





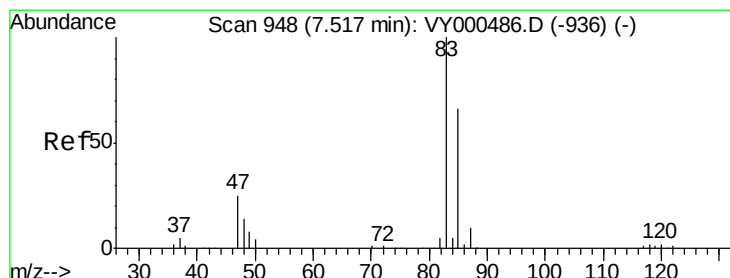
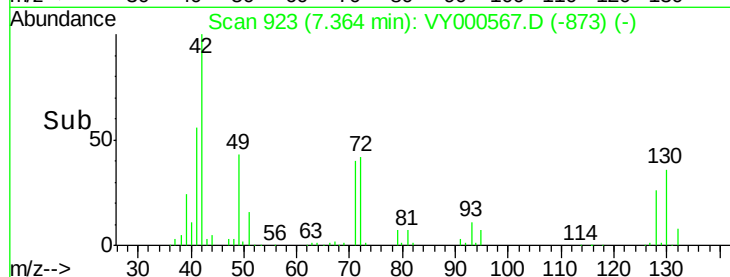
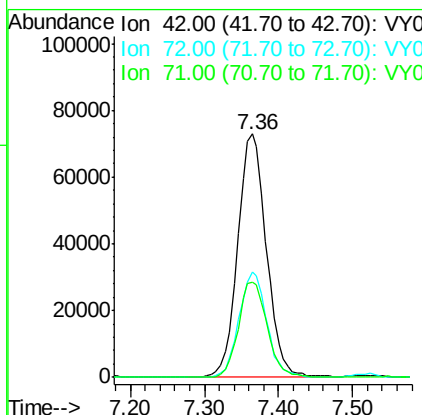
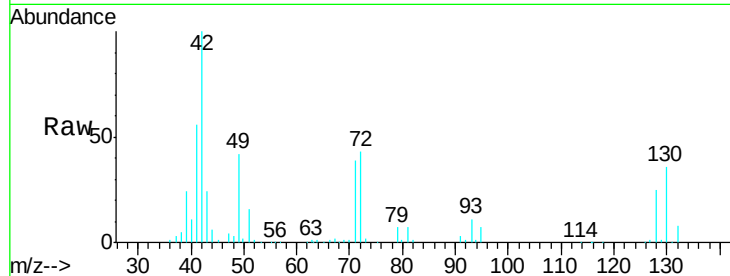
#29
Tetrahydrofuran
Concen: 242.908 ug/l
RT: 7.36 min Scan# 923
Delta R.T. 0.01 min
Lab File: VY000567.D
Acq: 07 Nov 2019 09:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
42	100		
72	41.9	34.0	51.0
71	39.1	30.8	46.2

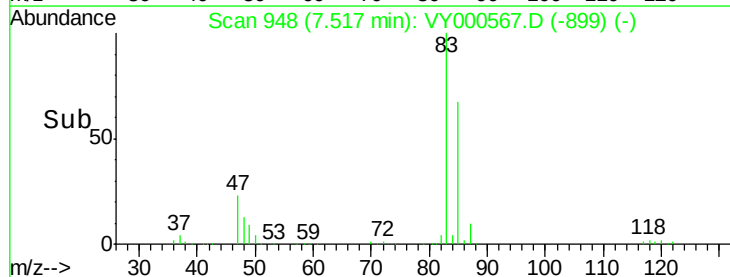
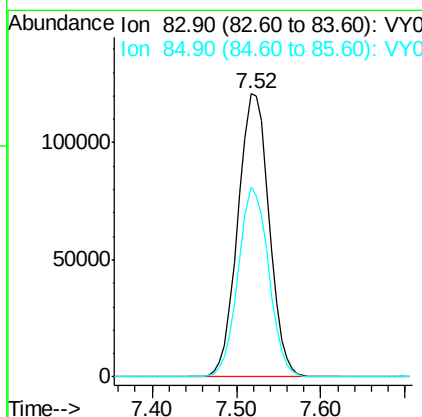
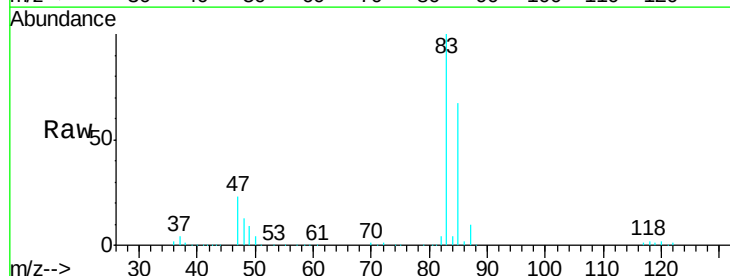
Manual Integrations
APPROVED

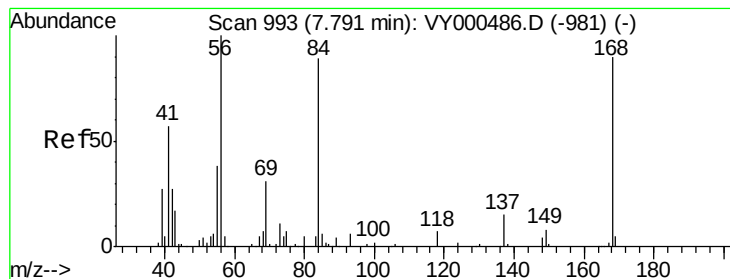
MMDadoda
11/8/2019 4:07:29 PM



#30
Chloroform
Concen: 53.565 ug/l
RT: 7.52 min Scan# 948
Delta R.T. 0.00 min
Lab File: VY000567.D
Acq: 07 Nov 2019 09:49

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.1	53.0	79.4





#31

Cyclohexane

Concen: 52.506 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.00 min

Lab File: VY000567.D

Acq: 07 Nov 2019 09:49

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 307401

Ion Ratio Lower Upper

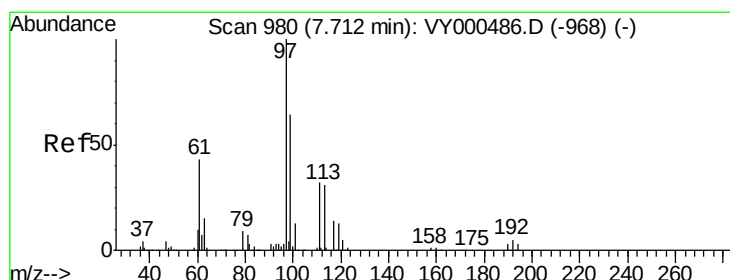
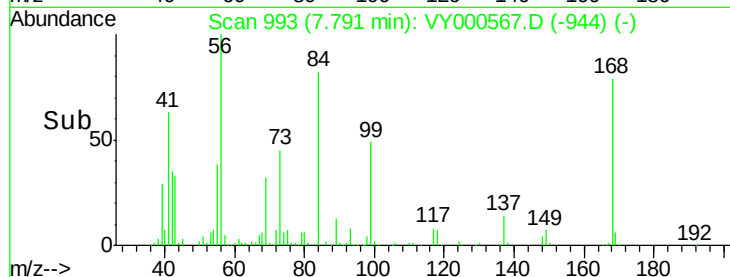
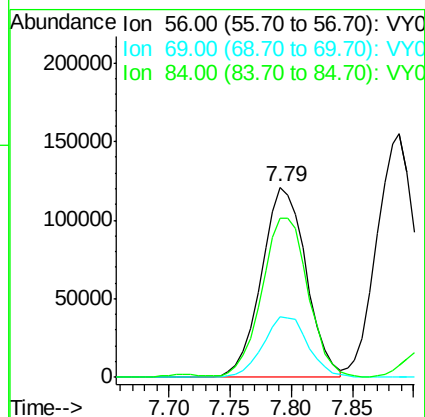
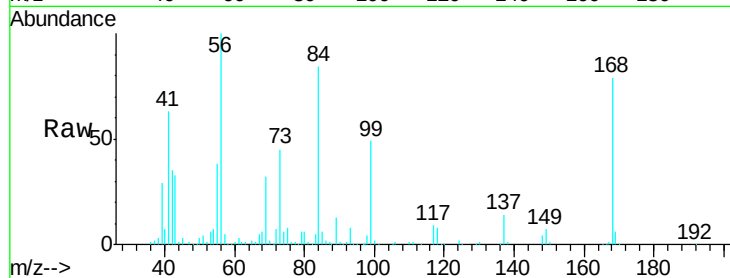
56 100

69 31.9 25.0 37.6

84 82.2 71.4 107.2

Manual Integrations
APPROVED

MMDadoda
11/8/2019 4:07:29 PM



#32

1,1,1-Trichloroethane

Concen: 53.508 ug/l

RT: 7.71 min Scan# 980

Delta R.T. 0.00 min

Lab File: VY000567.D

Acq: 07 Nov 2019 09:49

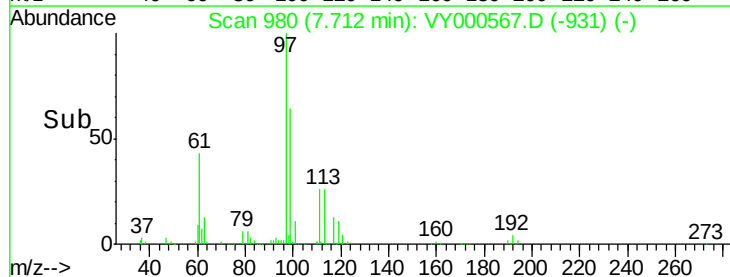
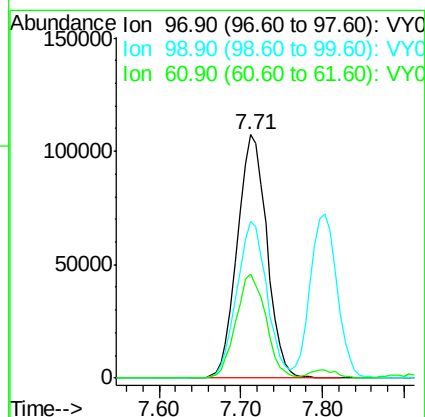
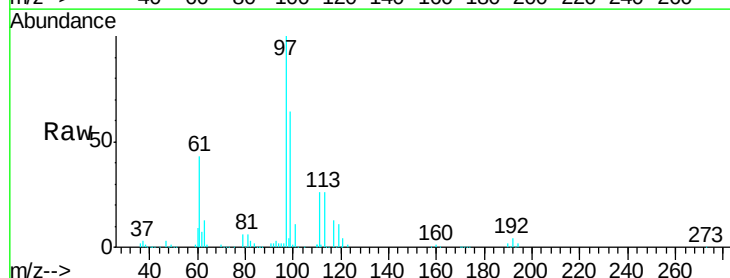
Tgt Ion: 97 Resp: 269658

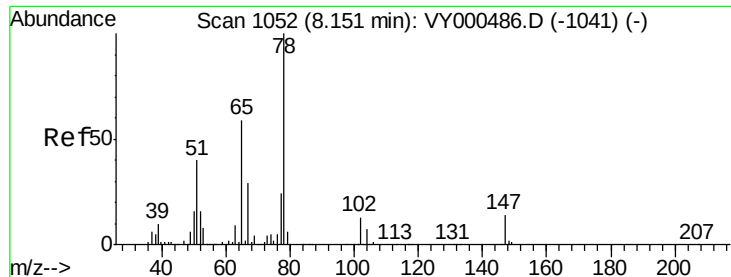
Ion Ratio Lower Upper

97 100

99 65.3 50.9 76.3

61 43.1 34.9 52.3





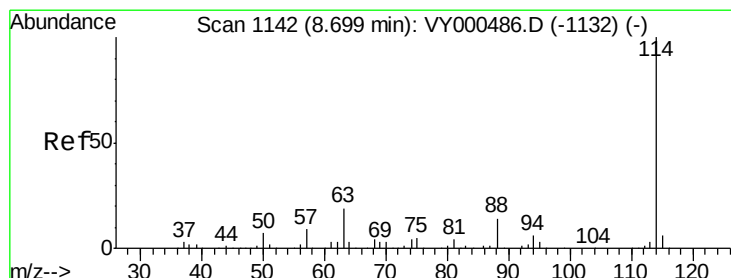
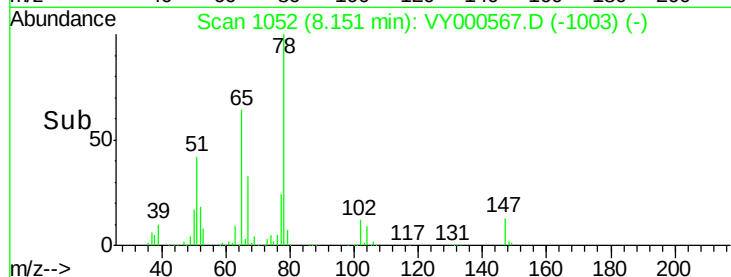
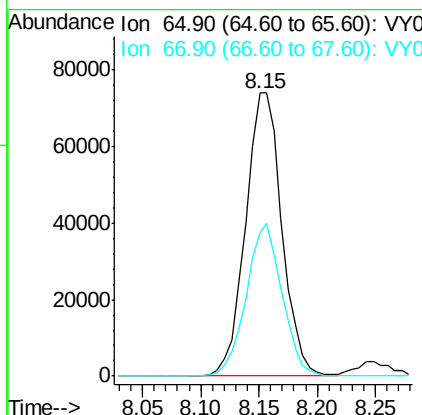
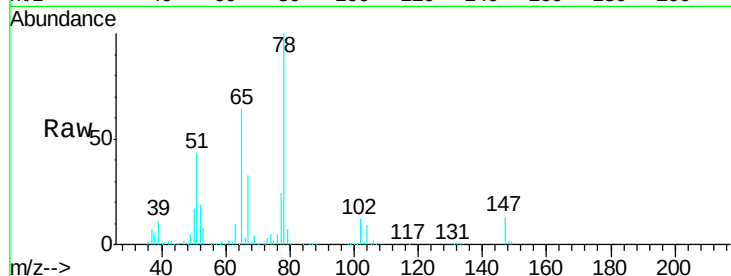
#33
 1,2-Dichloroethane-d4
 Concen: 52.985 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VY000567.D
 Acq: 07 Nov 2019 09:49

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	160257		
67	53.1	0.0	107.2	

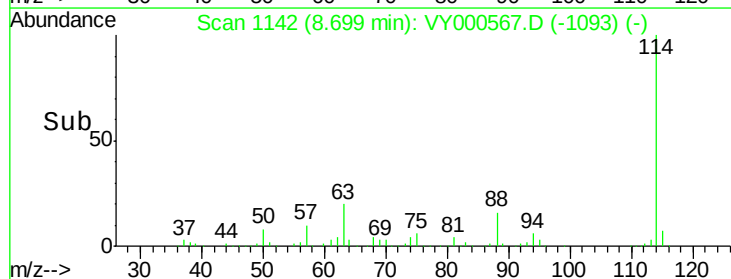
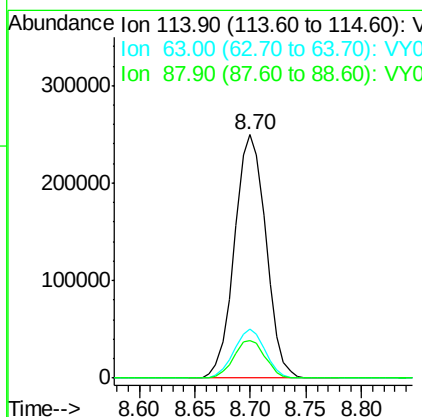
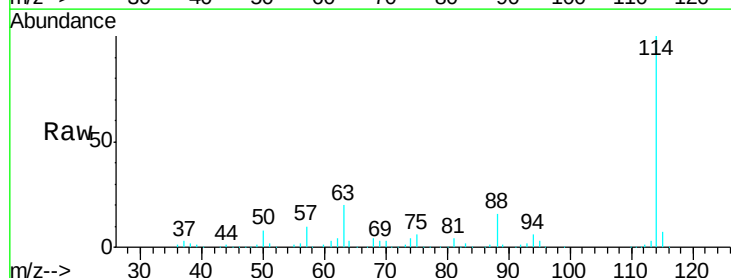
Manual Integrations
 APPROVED

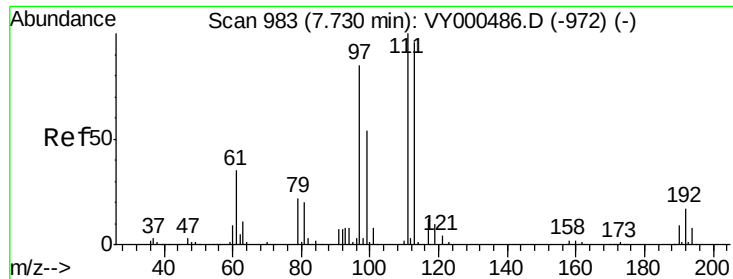
MMDadoda
 11/8/2019 4:07:29 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. 0.00 min
 Lab File: VY000567.D
 Acq: 07 Nov 2019 09:49

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	487259		
63	20.3	0.0	38.0	
88	15.5	0.0	28.6	





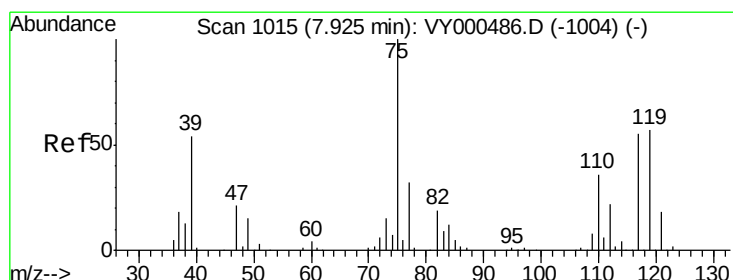
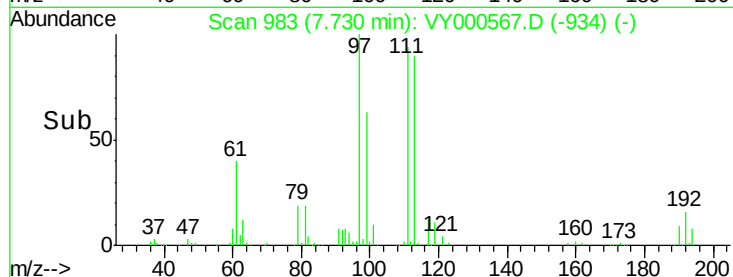
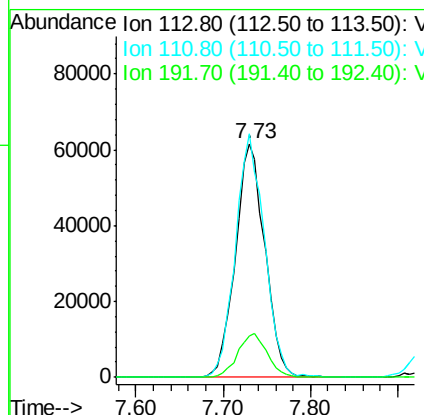
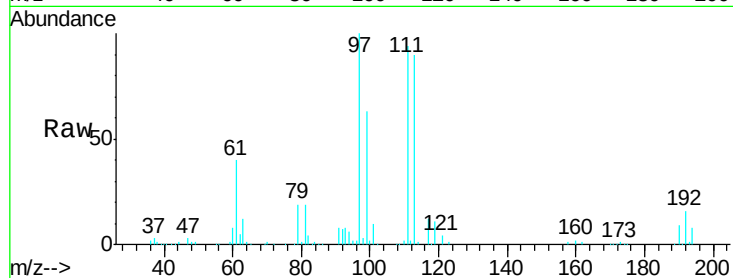
#35
 Dibromofluoromethane
 Concen: 50.487 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. -0.00 min
 Lab File: VY000567.D
 Acq: 07 Nov 2019 09:49

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	144419		
111	102.8	81.7	122.5	
192	18.7	15.0	22.4	

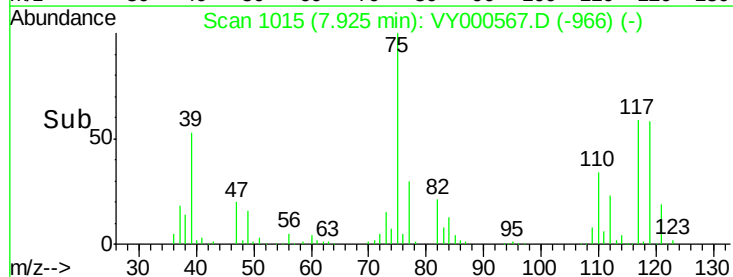
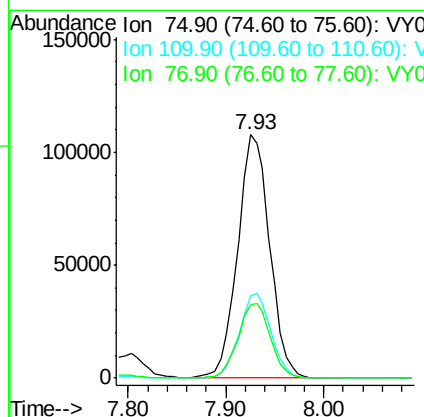
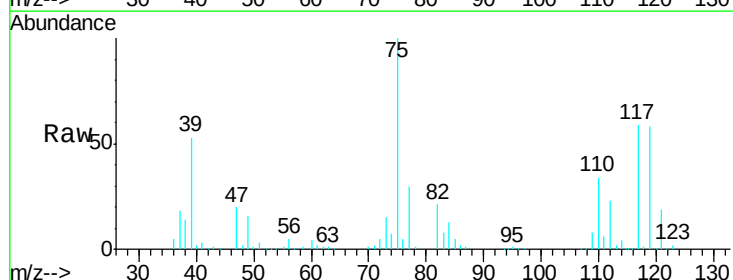
Manual Integrations
 APPROVED

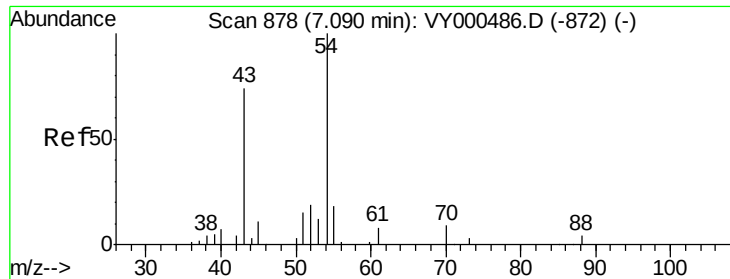
MMDadoda
 11/8/2019 4:07:29 PM



#36
 1,1-Dichloropropene
 Concen: 53.069 ug/l
 RT: 7.93 min Scan# 1015
 Delta R.T. 0.00 min
 Lab File: VY000567.D
 Acq: 07 Nov 2019 09:49

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	244454		
110	34.4	18.1	54.1	
77	31.2	25.0	37.6	





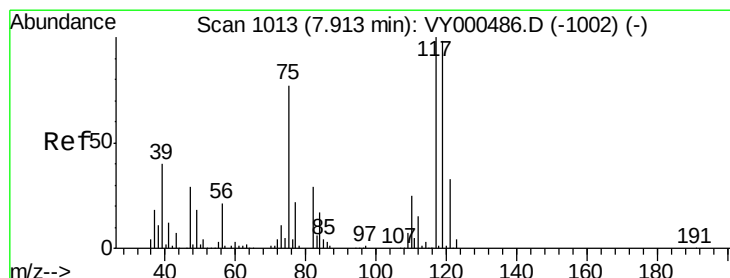
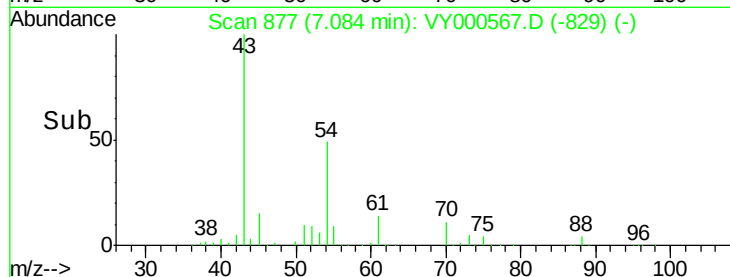
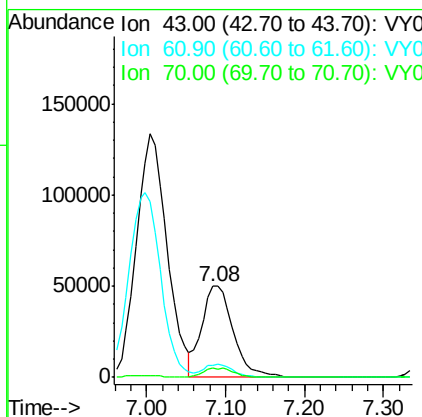
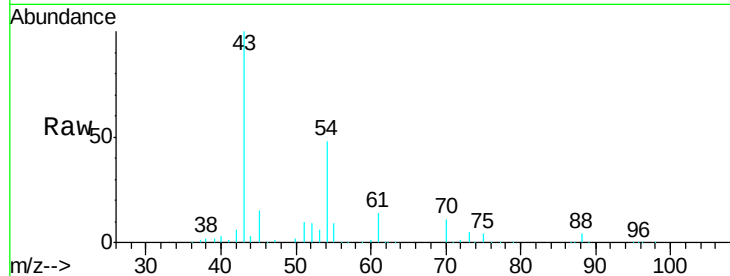
#37
Ethyl Acetate
Concen: 51.066 ug/l
RT: 7.08 min Scan# 877
Delta R.T. -0.01 min
Lab File: VY000567.D
Acq: 07 Nov 2019 09:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 139653
Ion Ratio Lower Upper
43 100
61 13.6 10.2 15.2
70 10.2 7.8 11.8

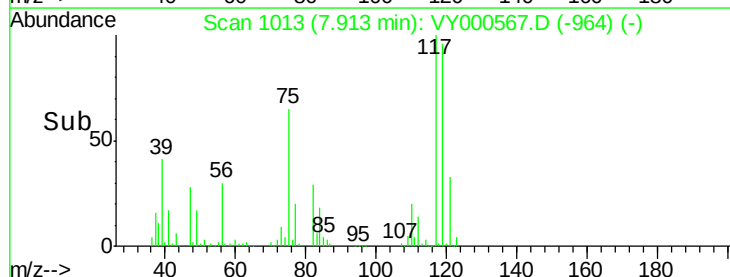
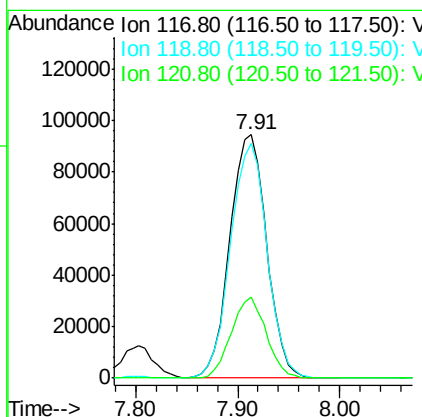
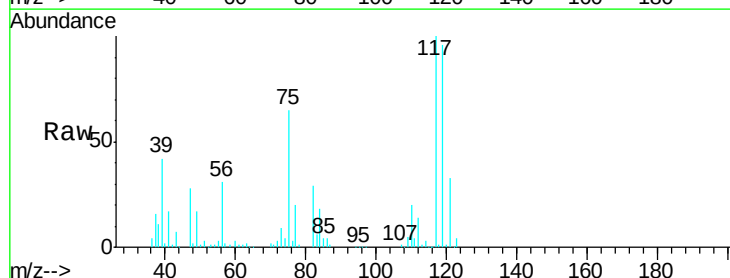
Manual Integrations
APPROVED

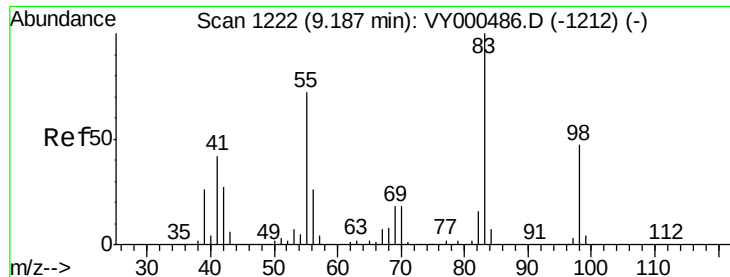
MMDadoda
11/8/2019 4:07:29 PM



#38
Carbon Tetrachloride
Concen: 53.309 ug/l
RT: 7.91 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VY000567.D
Acq: 07 Nov 2019 09:49

Tgt Ion: 117 Resp: 236282
Ion Ratio Lower Upper
117 100
119 96.3 78.0 117.0
121 33.2 26.6 40.0





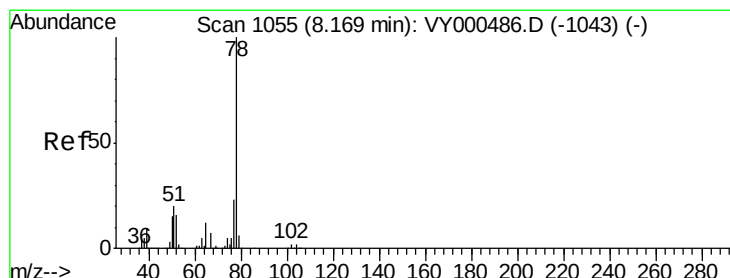
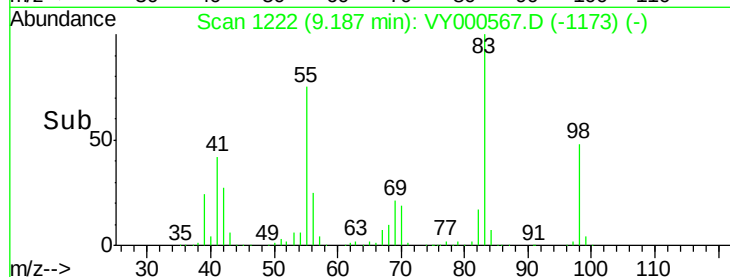
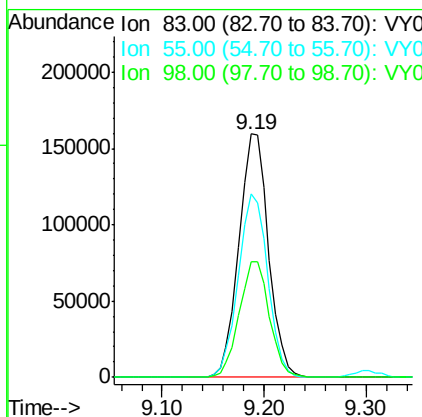
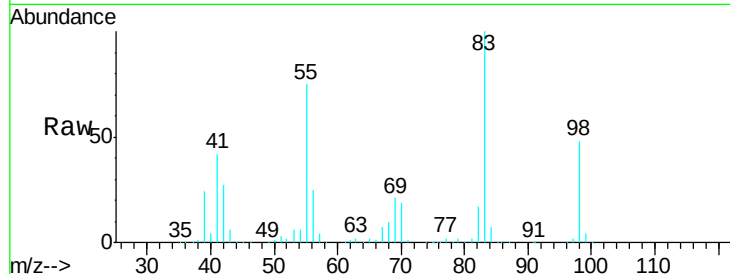
#39
Methylcyclohexane
Concen: 53.971 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. 0.00 min
Lab File: VY000567.D
Acq: 07 Nov 2019 09:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
83	100		
55	75.2	57.5	86.3
98	47.5	38.0	57.0

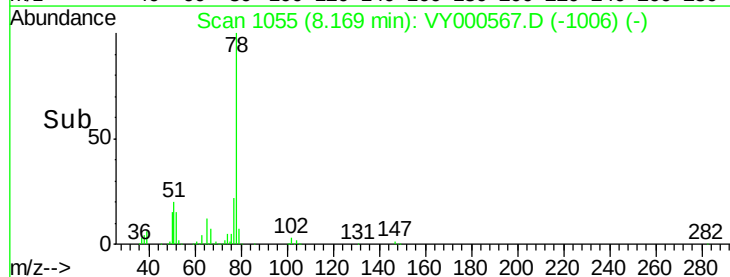
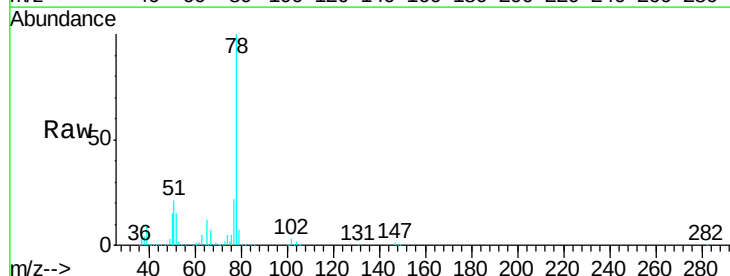
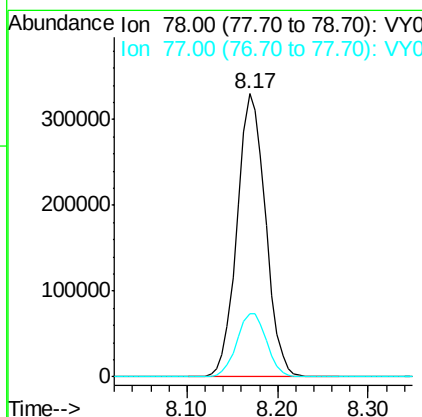
Manual Integrations
APPROVED

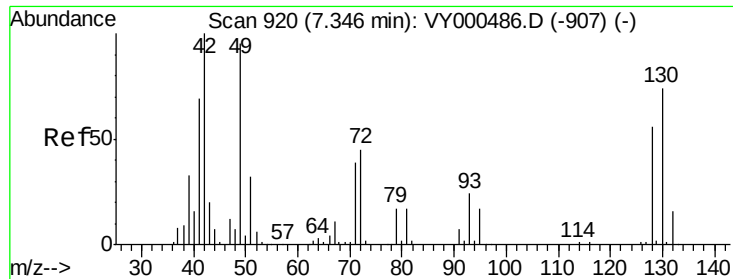
MMDadoda
11/8/2019 4:07:29 PM



#40
Benzene
Concen: 53.149 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. -0.00 min
Lab File: VY000567.D
Acq: 07 Nov 2019 09:49

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.3	18.6	28.0





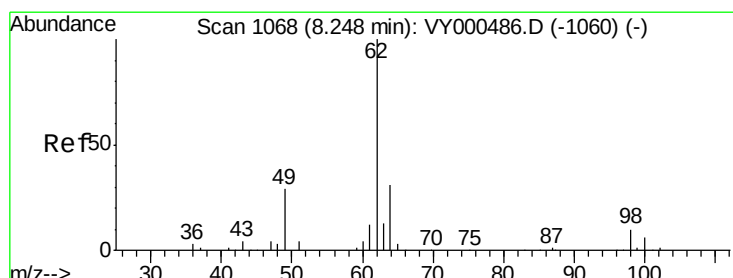
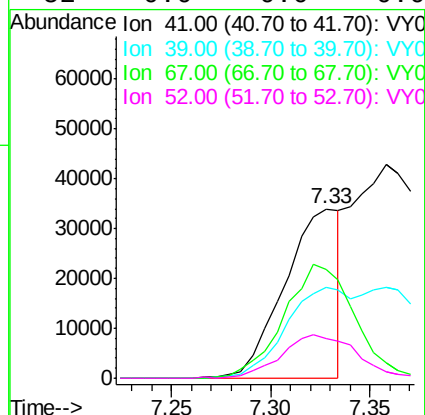
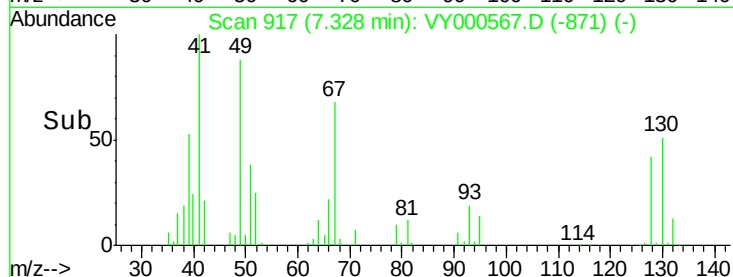
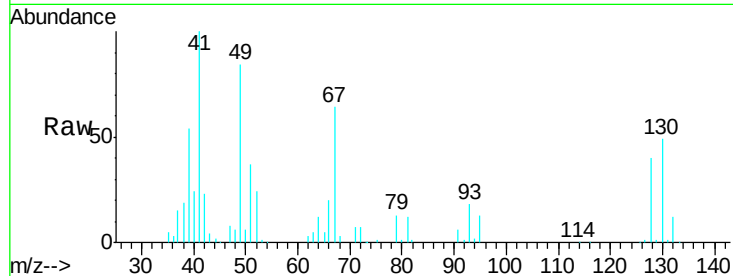
#41
Methacrylonitrile
Concen: 43.536 ug/l m
RT: 7.33 min Scan# 917
Delta R.T. -0.02 min
Lab File: VY000567.D
Acq: 07 Nov 2019 09:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:	41	Resp:	66420
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

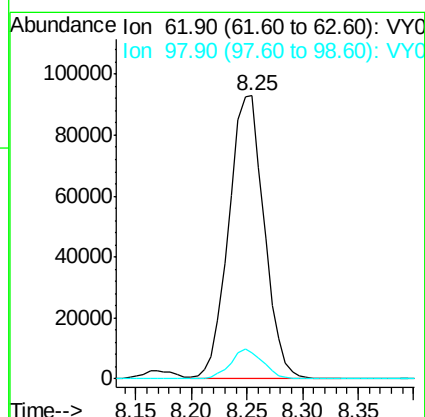
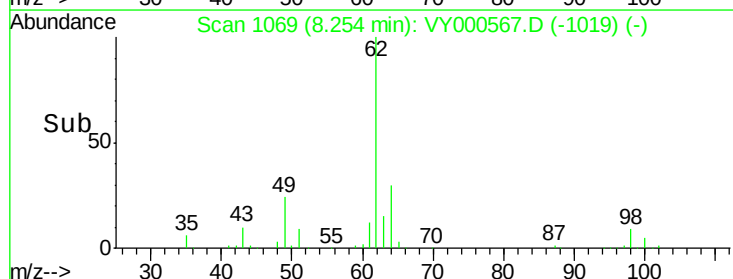
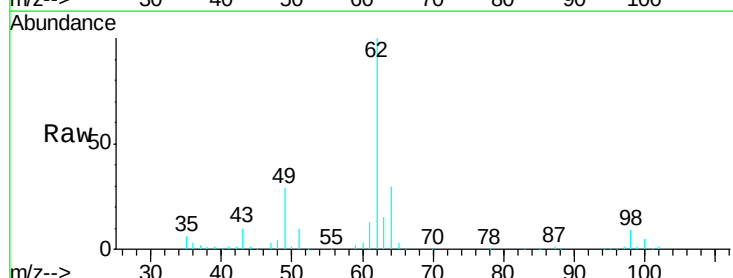
Manual Integrations
APPROVED

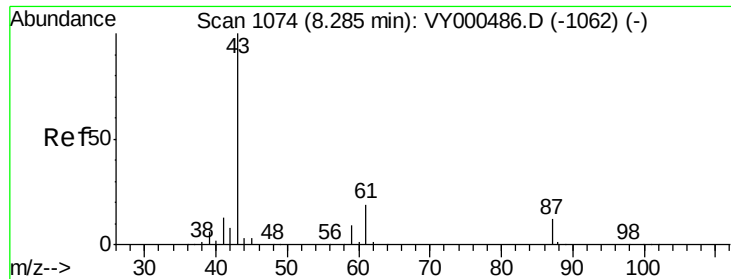
MMDadoda
11/8/2019 4:07:29 PM



#42
1,2-Dichloroethane
Concen: 53.606 ug/l
RT: 8.25 min Scan# 1069
Delta R.T. 0.01 min
Lab File: VY000567.D
Acq: 07 Nov 2019 09:49

Tgt Ion:	62	Resp:	205327
Ion Ratio	Lower	Upper	
62	100		
98	9.6	0.0	19.2





#43

Isopropyl Acetate

Concen: 52.330 ug/l

RT: 8.28 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VY000567.D

Acq: 07 Nov 2019 09:49

Instrument :

MSVOA_Y

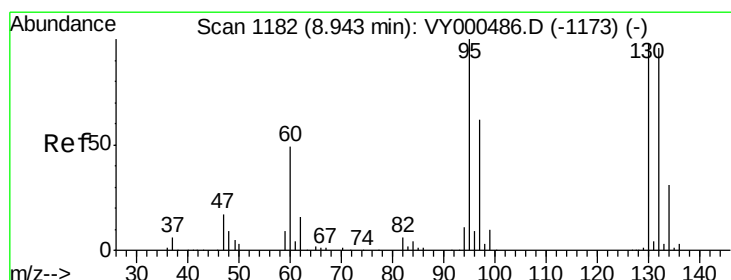
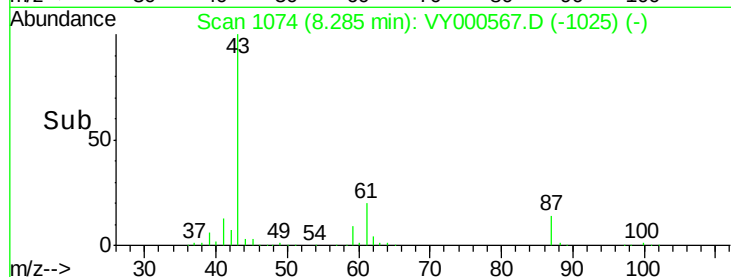
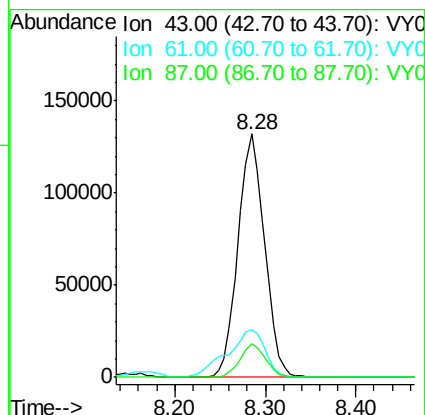
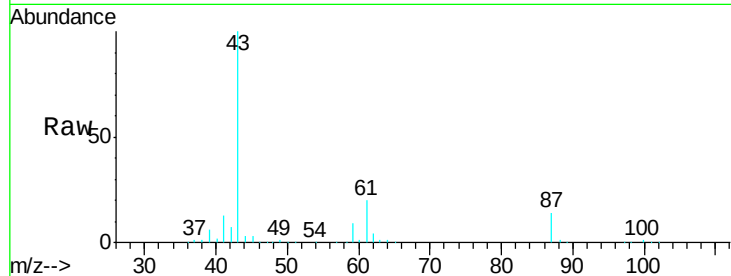
ClientSampleId :

VSTDCCC050

Tgt Ion:	43	Resp:	268835
Ion	Ratio	Lower	Upper
43	100		
61	28.2	23.0	34.4
87	13.3	10.5	15.7

Manual Integrations
APPROVED

MMDadoda
11/8/2019 4:07:29 PM



#44

Trichloroethene

Concen: 51.519 ug/l

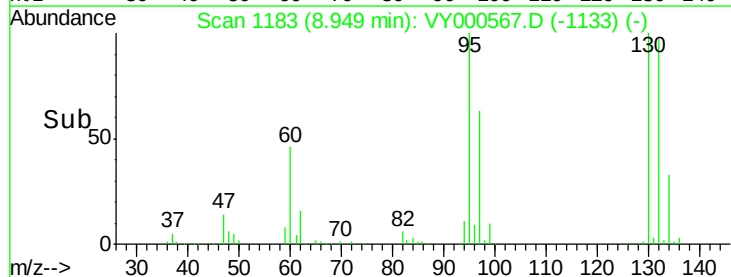
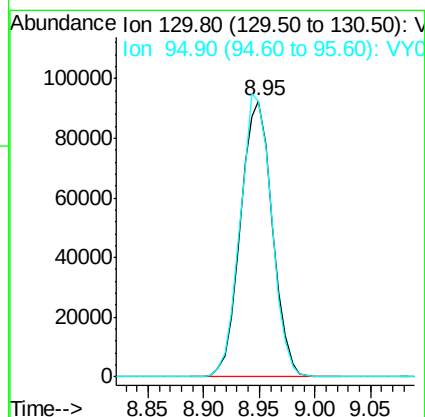
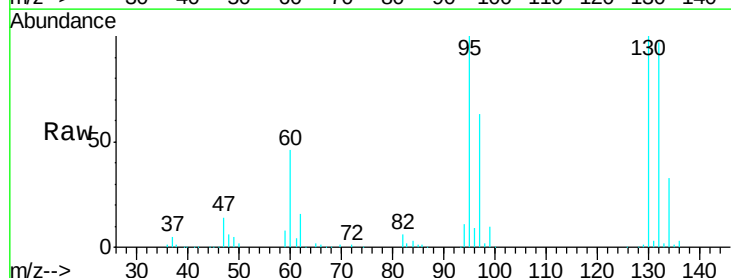
RT: 8.95 min Scan# 1183

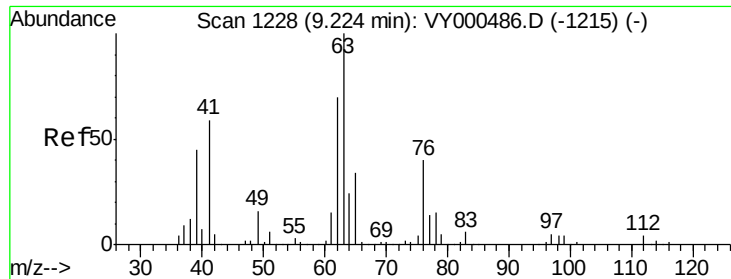
Delta R.T. 0.01 min

Lab File: VY000567.D

Acq: 07 Nov 2019 09:49

Tgt Ion:	130	Resp:	183441
Ion	Ratio	Lower	Upper
130	100		
95	99.8	0.0	203.2





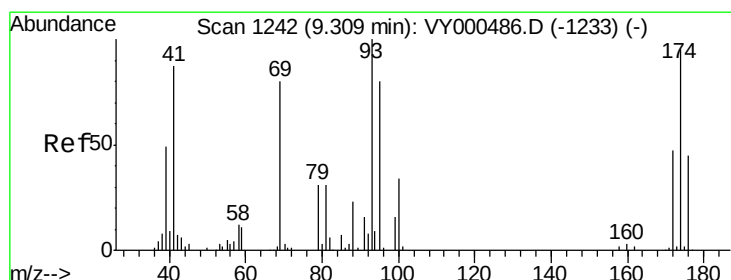
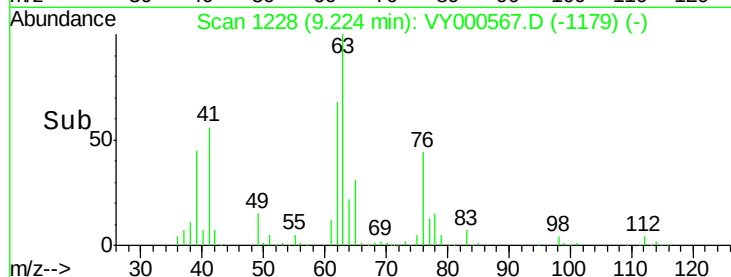
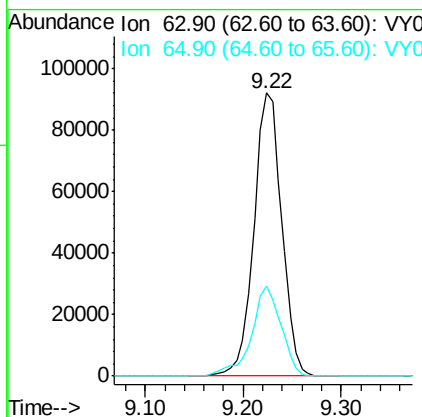
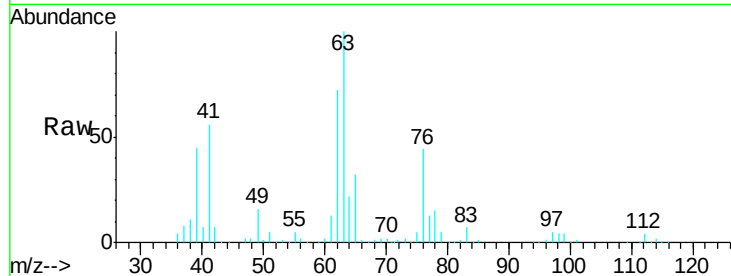
#45
 1,2-Dichloropropane
 Concen: 54.648 ug/l
 RT: 9.22 min Scan# 1228
 Delta R.T. -0.00 min
 Lab File: VY000567.D
 Acq: 07 Nov 2019 09:49

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 63 Resp: 181636
 Ion Ratio Lower Upper
 63 100
 65 31.9 27.0 40.4

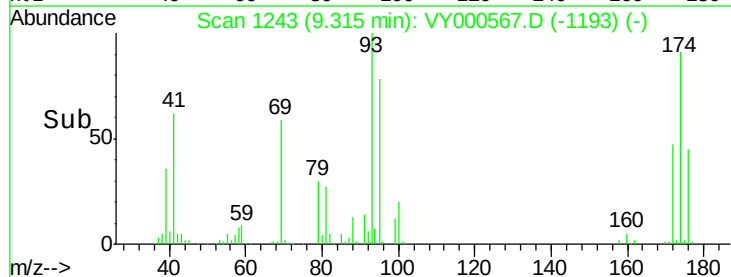
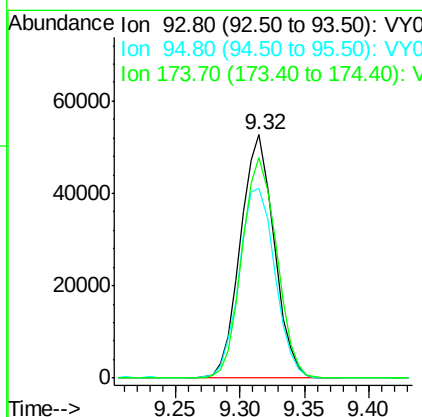
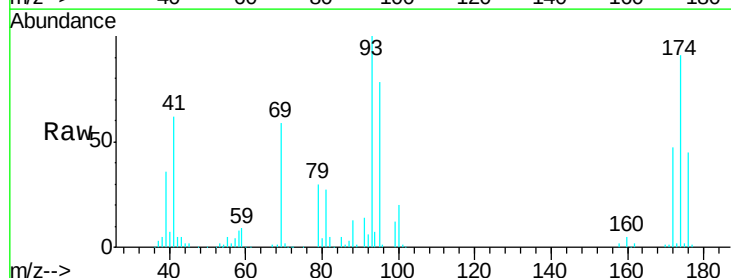
Manual Integrations
 APPROVED

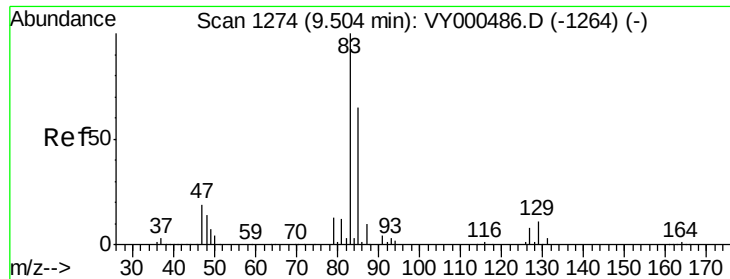
MMDadoda
 11/8/2019 4:07:29 PM



#46
 Dibromomethane
 Concen: 52.356 ug/l
 RT: 9.32 min Scan# 1243
 Delta R.T. 0.01 min
 Lab File: VY000567.D
 Acq: 07 Nov 2019 09:49

Tgt Ion: 93 Resp: 95703
 Ion Ratio Lower Upper
 93 100
 95 83.2 66.4 99.6
 174 92.9 77.1 115.7





#47

Bromodichloromethane

Concen: 53.809 ug/l

RT: 9.50 min Scan# 1274

Delta R.T. 0.00 min

Lab File: VY000567.D

Acq: 07 Nov 2019 09:49

Instrument :

MSVOA_Y

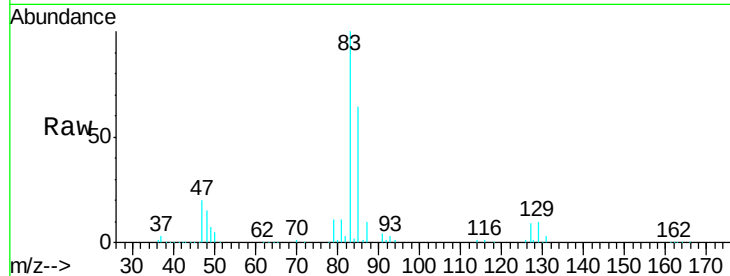
ClientSampleId :

VSTDCCC050

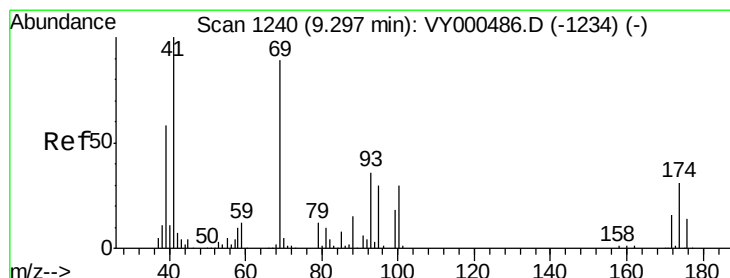
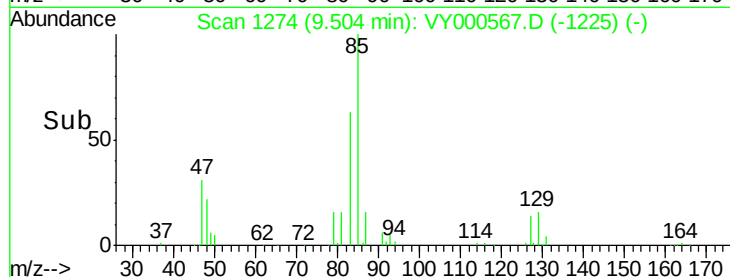
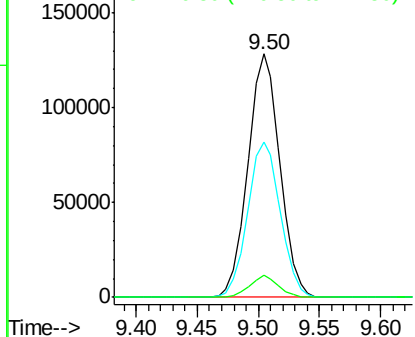
Tgt Ion:	83	Resp:	233386
Ion Ratio	Lower	Upper	
83	100		
85	63.8	51.8	77.8
127	8.9	6.7	10.1

Manual Integrations
APPROVED

MMDadoda
11/8/2019 4:07:29 PM



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



#48

Methyl methacrylate

Concen: 53.525 ug/l

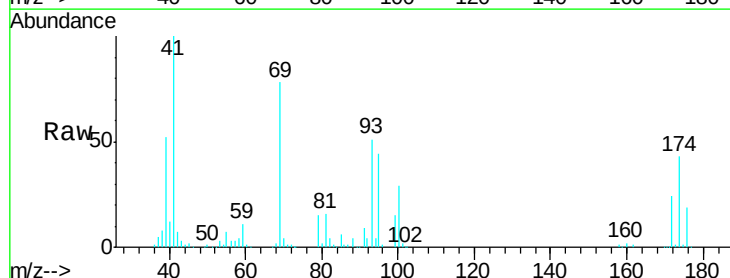
RT: 9.30 min Scan# 1241

Delta R.T. 0.01 min

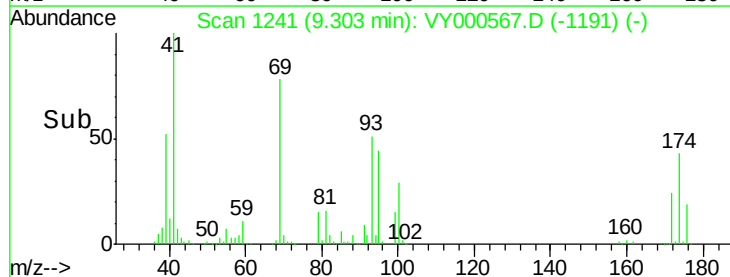
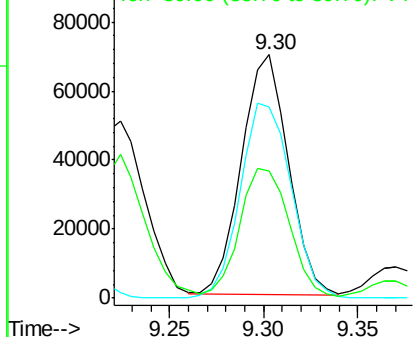
Lab File: VY000567.D

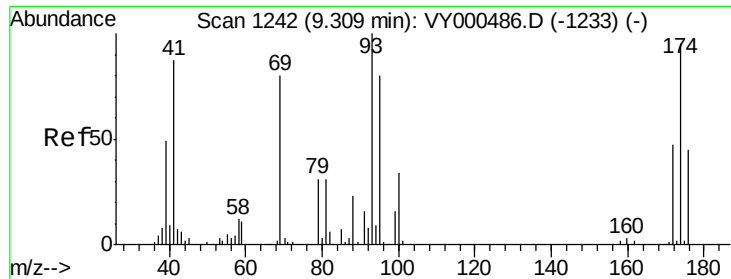
Acq: 07 Nov 2019 09:49

Tgt Ion:	41	Resp:	120142
Ion Ratio	Lower	Upper	
41	100		
69	88.0	72.5	108.7
39	57.6	47.8	71.8



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





#49

1,4-Dioxane

Concen: 912.678 ug/l

RT: 9.33 min Scan# 1245

Delta R.T. 0.02 min

Lab File: VY000567.D

Acq: 07 Nov 2019 09:49

Instrument :

MSVOA_Y

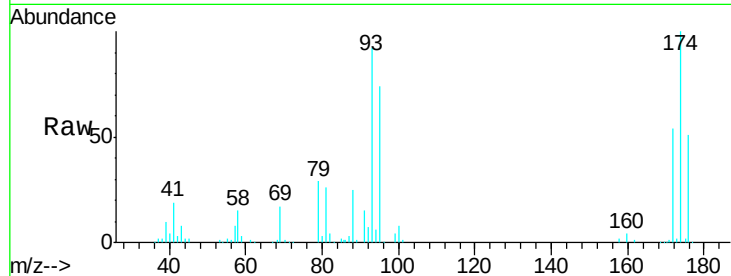
ClientSampleId :

VSTDCCC050

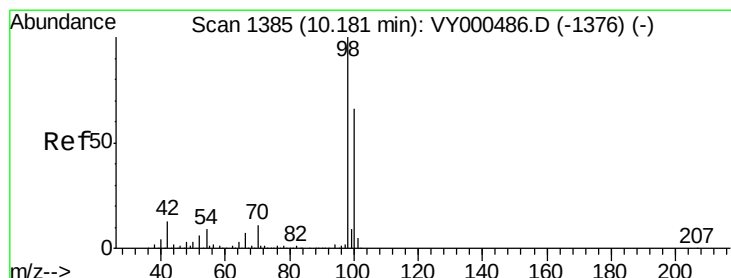
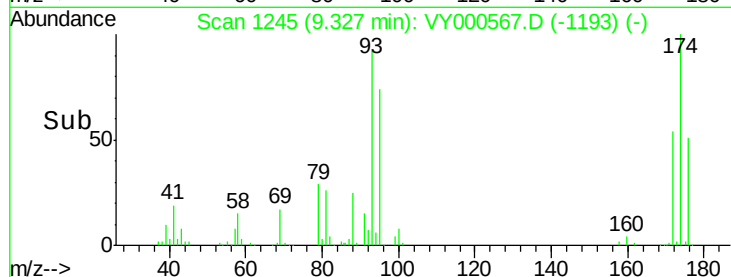
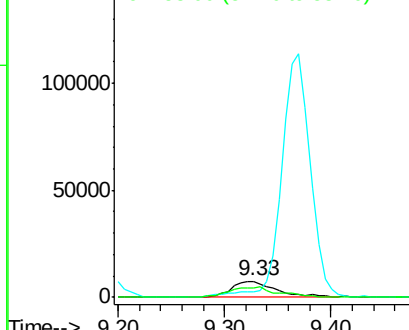
Tgt Ion:	88	Resp:	22453
Ion Ratio	Lower	Upper	
88	100		
43	0.0	25.1	37.7#
58	71.6	50.6	75.8

Manual Integrations
APPROVED

MMDadoda
11/8/2019 4:07:29 PM



Abundance Ion 88.00 (87.70 to 88.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0



#50

Toluene-d8

Concen: 53.867 ug/l

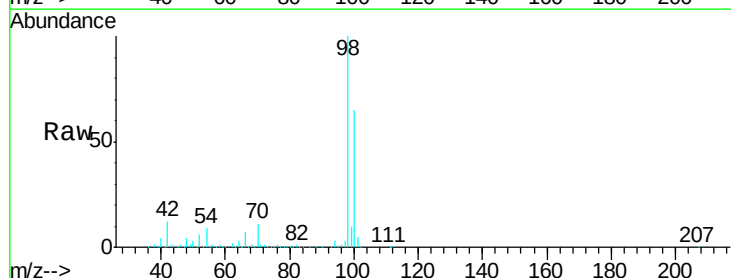
RT: 10.19 min Scan# 1386

Delta R.T. 0.01 min

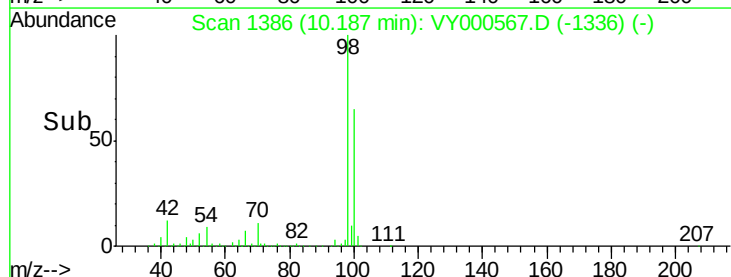
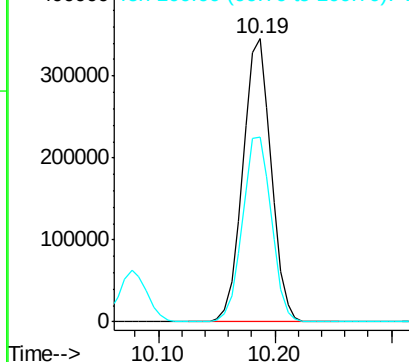
Lab File: VY000567.D

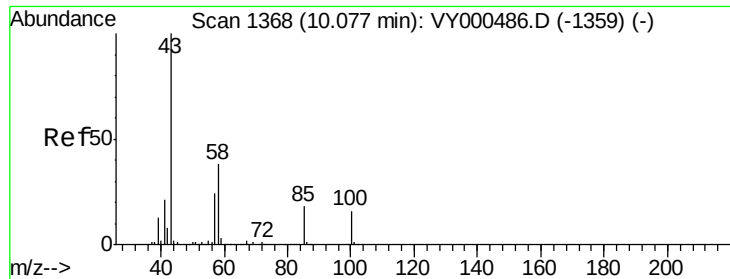
Acq: 07 Nov 2019 09:49

Tgt Ion:	98	Resp:	584679
Ion Ratio	Lower	Upper	
98	100		
100	67.1	52.9	79.3



Abundance Ion 98.00 (97.70 to 98.70): VY0
Ion 100.00 (99.70 to 100.70): VY0





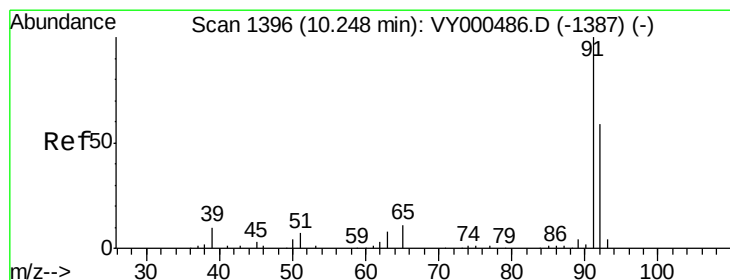
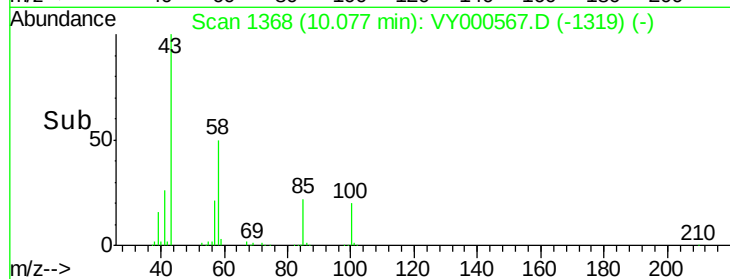
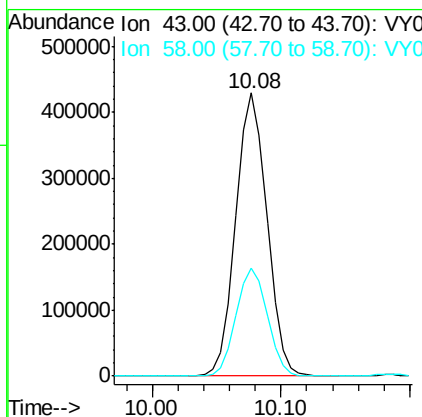
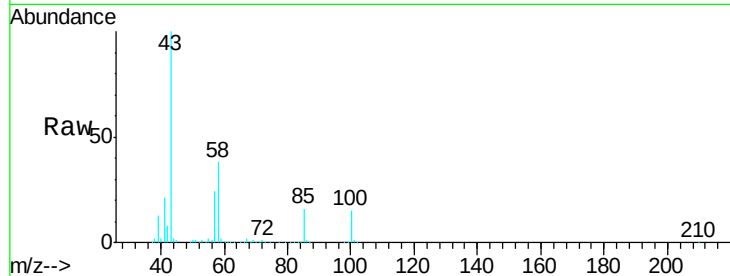
#51
4-Methyl-2-Pentanone
Concen: 264.031 ug/l
RT: 10.08 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VY000567.D
Acq: 07 Nov 2019 09:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 721169
Ion Ratio Lower Upper
43 100
58 38.4 30.2 45.4

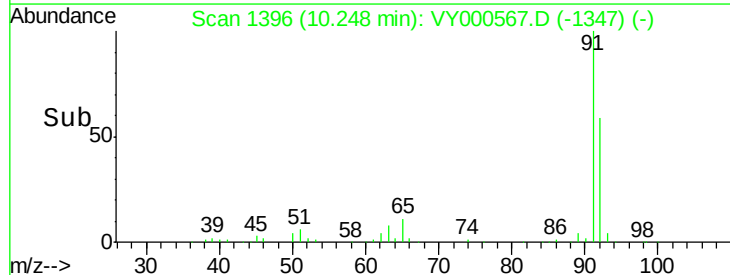
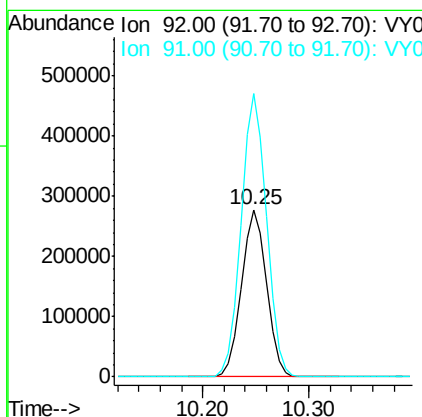
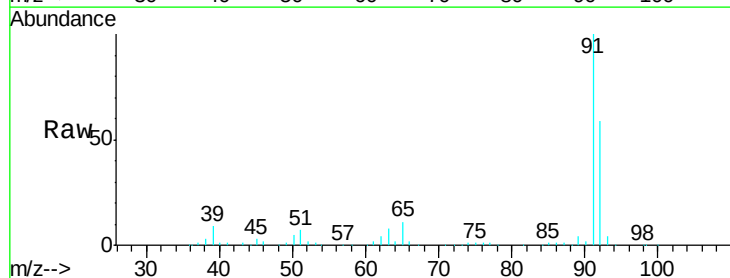
Manual Integrations
APPROVED

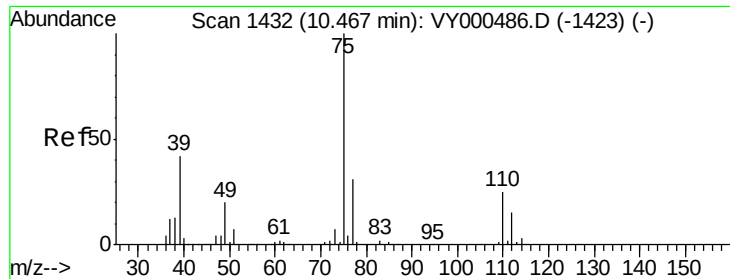
MMDadoda
11/8/2019 4:07:29 PM



#52
Toluene
Concen: 53.917 ug/l
RT: 10.25 min Scan# 1396
Delta R.T. 0.00 min
Lab File: VY000567.D
Acq: 07 Nov 2019 09:49

Tgt Ion: 92 Resp: 460344
Ion Ratio Lower Upper
92 100
91 171.1 136.3 204.5





#53

t-1,3-Dichloropropene

Concen: 55.650 ug/l

RT: 10.47 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VY000567.D

Acq: 07 Nov 2019 09:49

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 75 Resp: 257906

Ion Ratio Lower Upper

75 100

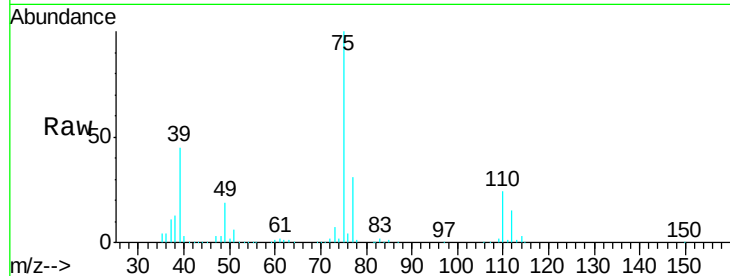
77 30.9 24.6 37.0

Manual Integrations

APPROVED

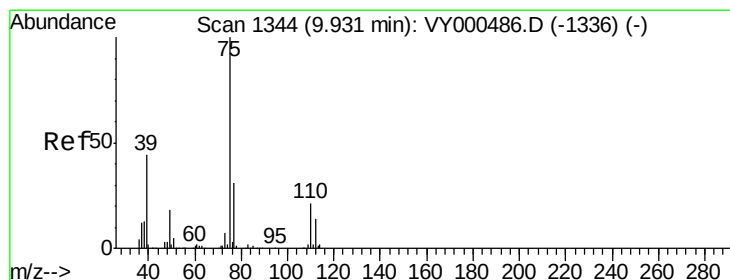
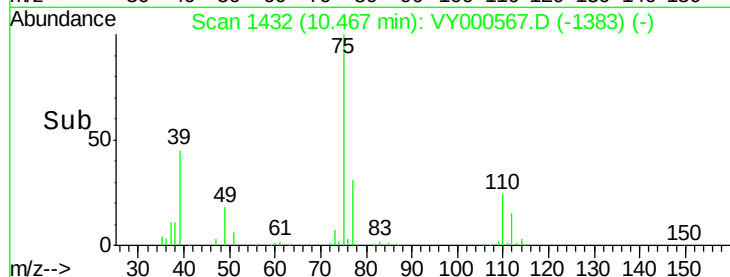
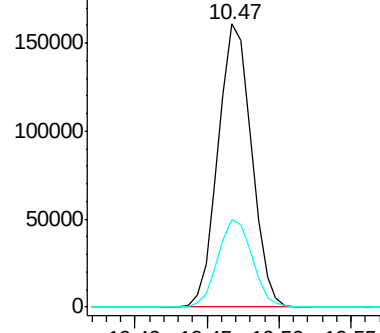
MMDadoda

11/8/2019 4:07:29 PM



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0



#54

cis-1,3-Dichloropropene

Concen: 54.814 ug/l

RT: 9.94 min Scan# 1345

Delta R.T. 0.01 min

Lab File: VY000567.D

Acq: 07 Nov 2019 09:49

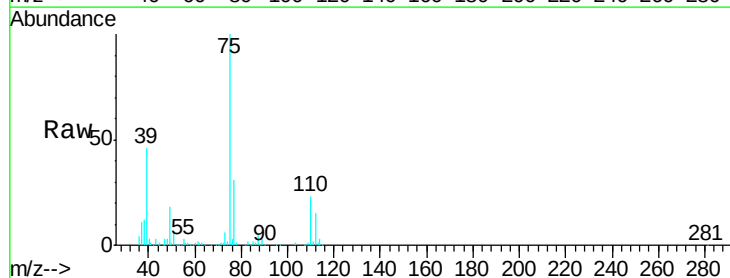
Tgt Ion: 75 Resp: 291017

Ion Ratio Lower Upper

75 100

77 31.2 24.5 36.7

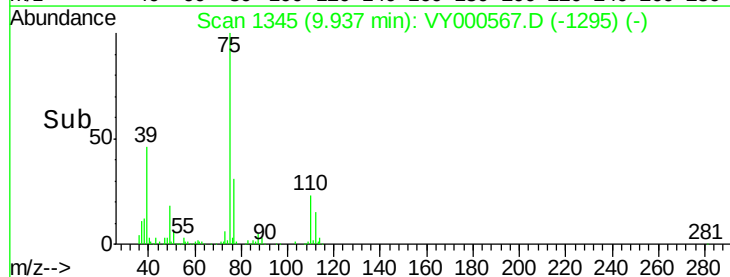
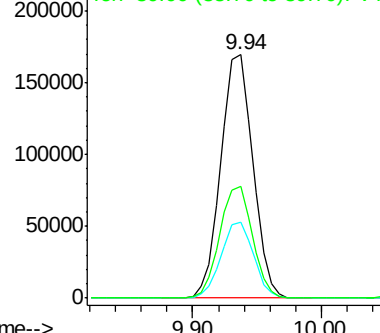
39 45.6 35.4 53.2

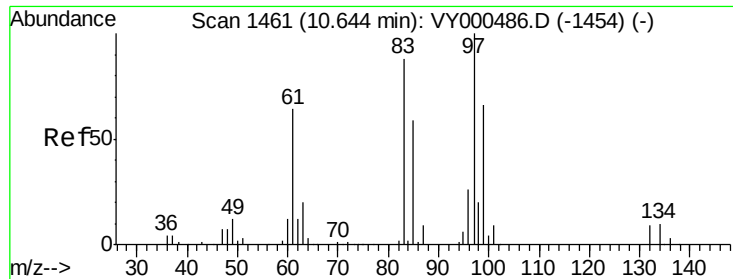


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0

Ion 39.00 (38.70 to 39.70): VY0





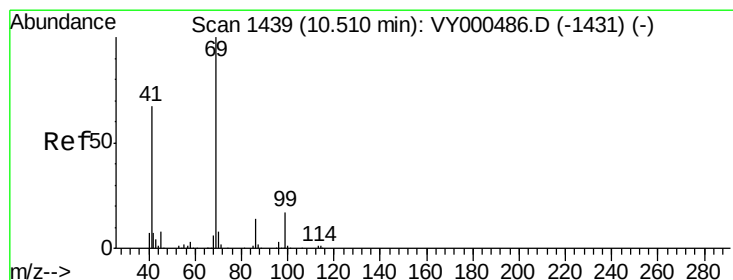
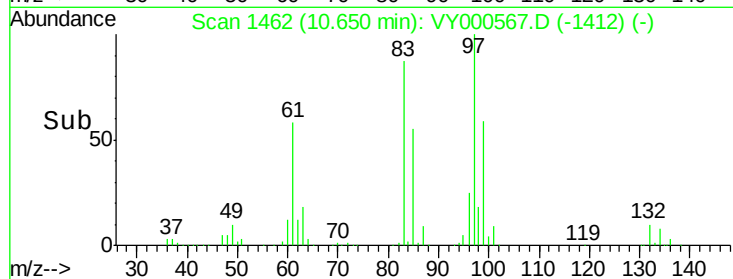
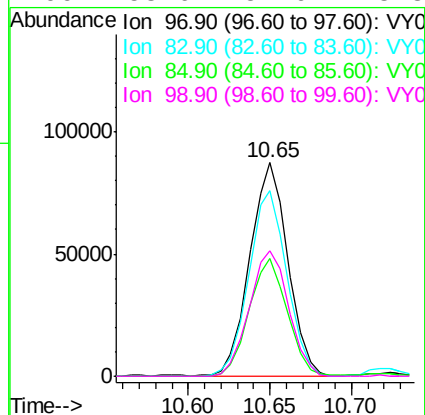
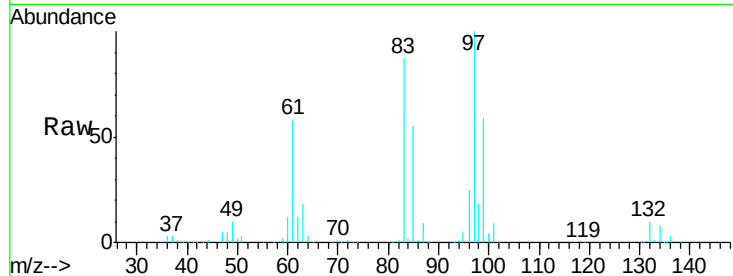
#55
 1,1,2-Trichloroethane
 Concen: 53.486 ug/l
 RT: 10.65 min Scan# 1462
 Delta R.T. 0.01 min
 Lab File: VY000567.D
 Acq: 07 Nov 2019 09:49

Instrument :
 MSVOA_Y
 ClientSampled :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	141412		
83	86.6	70.2	105.4	
85	55.1	46.9	70.3	
99	58.6	52.6	78.8	

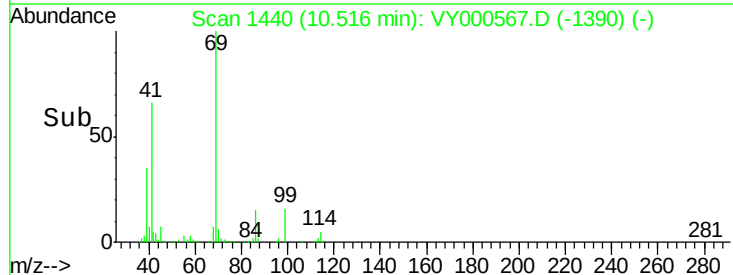
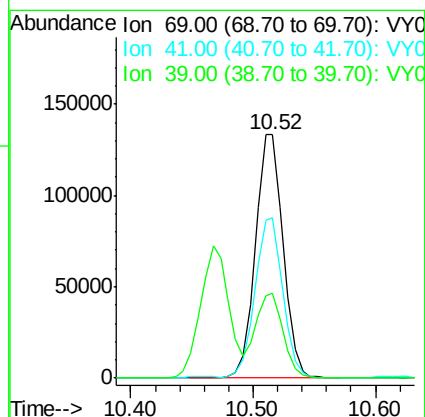
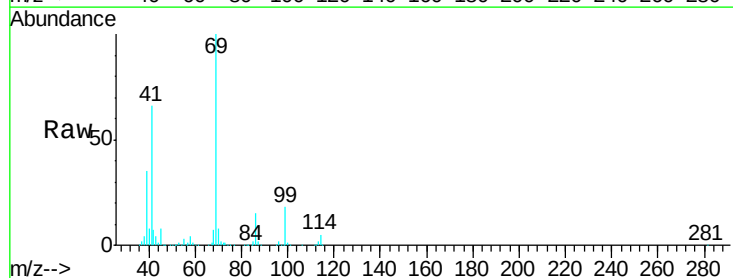
Manual Integrations
 APPROVED

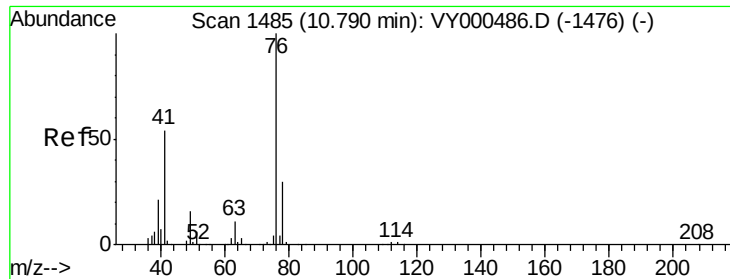
MMDadoda
 11/8/2019 4:07:29 PM



#56
 Ethyl methacrylate
 Concen: 56.219 ug/l
 RT: 10.52 min Scan# 1440
 Delta R.T. 0.01 min
 Lab File: VY000567.D
 Acq: 07 Nov 2019 09:49

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	210667		
41	66.1	53.3	79.9	
39	34.6	28.0	42.0	





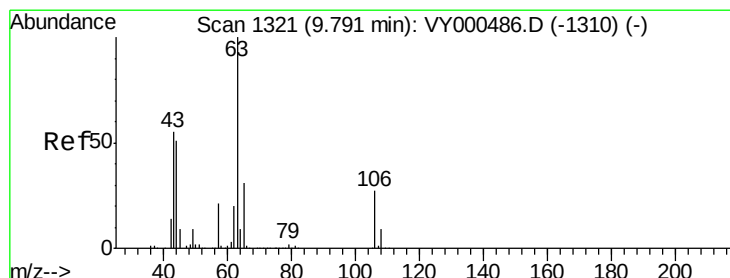
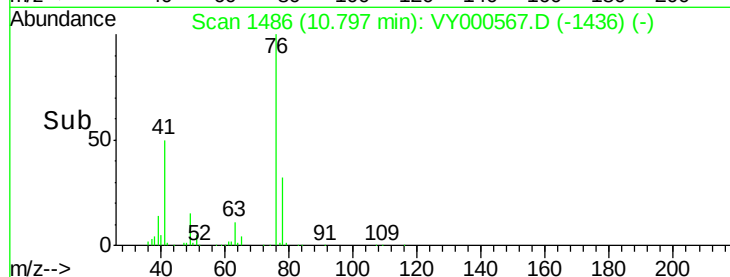
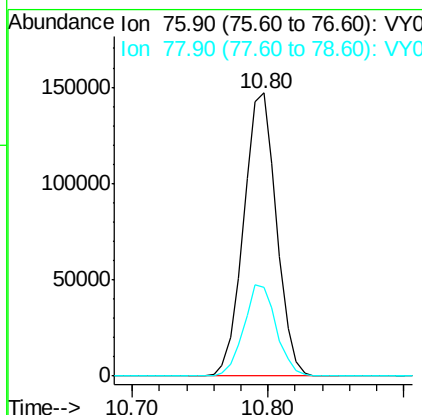
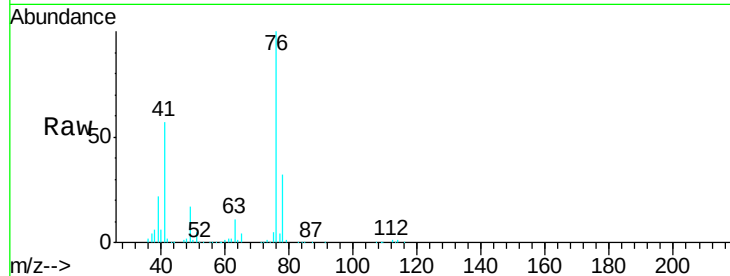
#57
 1,3-Dichloropropane
 Concen: 53.461 ug/l
 RT: 10.80 min Scan# 1486
 Delta R.T. 0.01 min
 Lab File: VY000567.D
 Acq: 07 Nov 2019 09:49

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 76 Resp: 247383
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.2 37.8

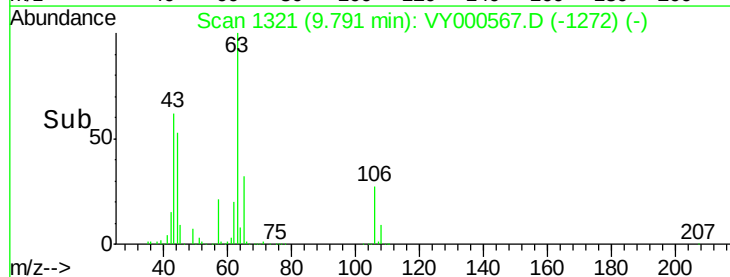
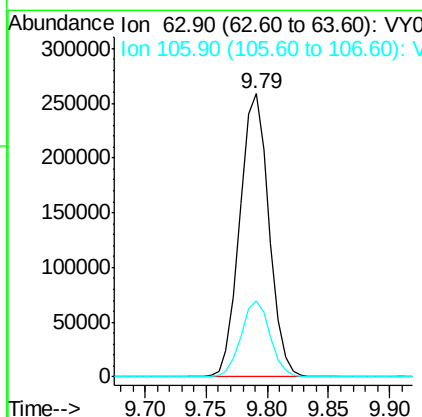
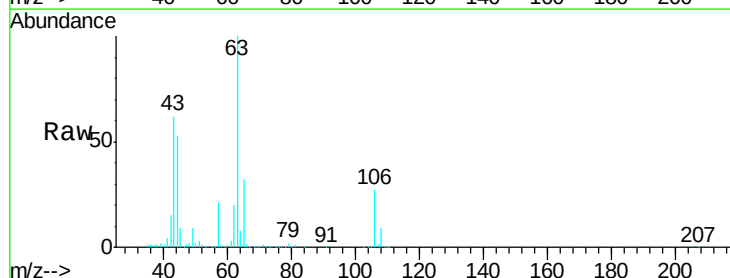
Manual Integrations
 APPROVED

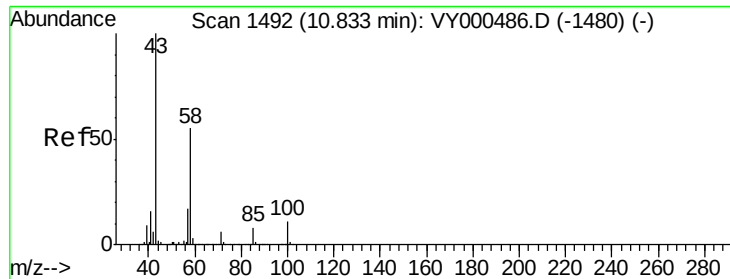
MMDadoda
 11/8/2019 4:07:29 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 252.186 ug/l
 RT: 9.79 min Scan# 1321
 Delta R.T. 0.00 min
 Lab File: VY000567.D
 Acq: 07 Nov 2019 09:49

Tgt Ion: 63 Resp: 427228
 Ion Ratio Lower Upper
 63 100
 106 26.8 22.6 33.8





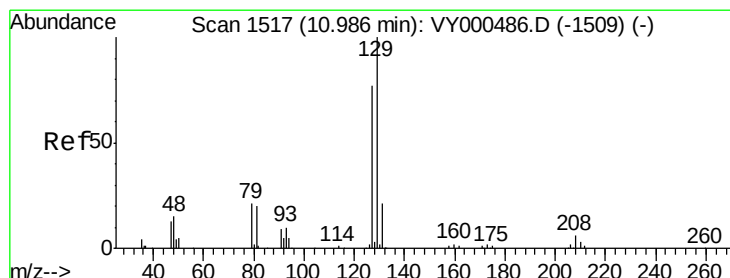
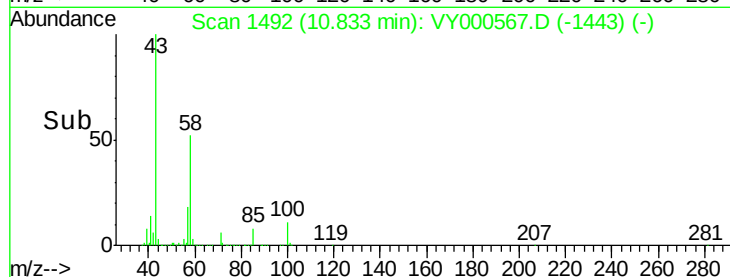
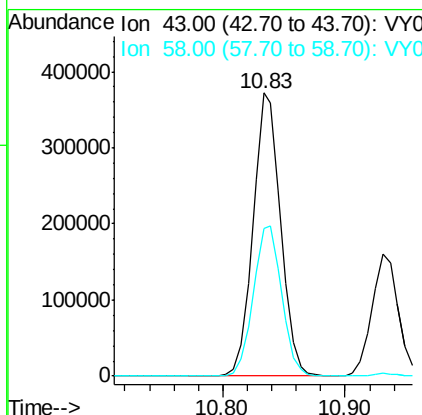
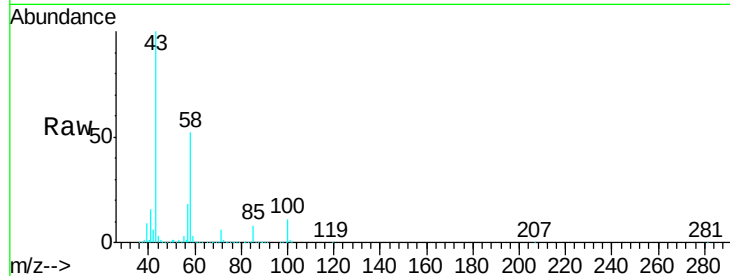
#59
2-Hexanone
Concen: 293.274 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VY000567.D
Acq: 07 Nov 2019 09:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 583634
Ion Ratio Lower Upper
43 100
58 54.9 27.1 81.3

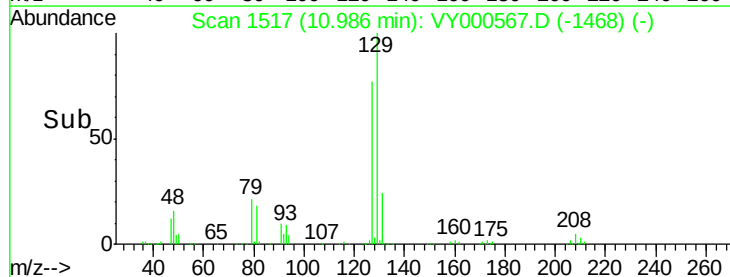
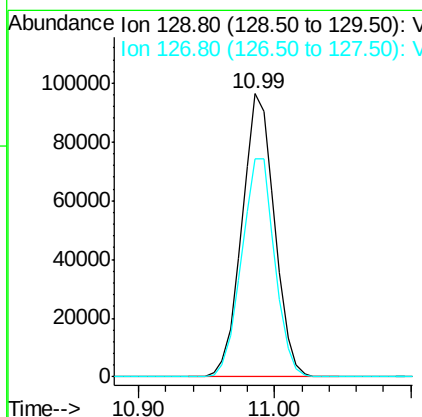
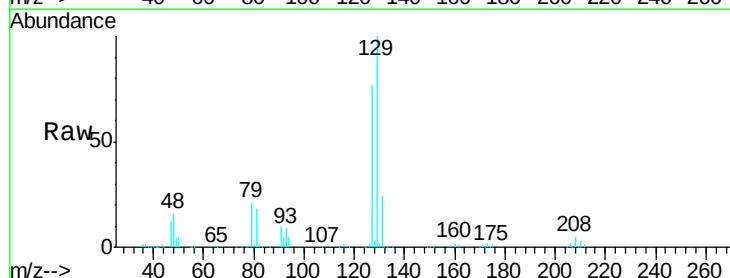
Manual Integrations
APPROVED

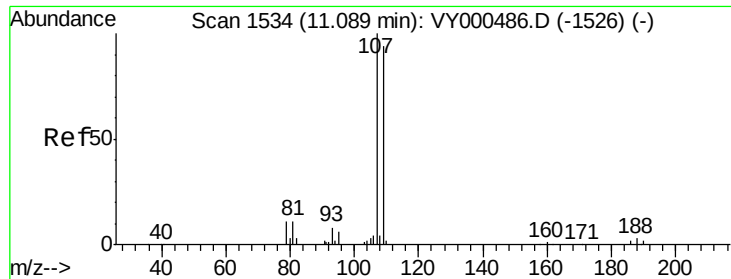
MMDadoda
11/8/2019 4:07:29 PM



#60
Dibromochloromethane
Concen: 53.063 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VY000567.D
Acq: 07 Nov 2019 09:49

Tgt Ion: 129 Resp: 160694
Ion Ratio Lower Upper
129 100
127 78.6 39.1 117.2





#61

1,2-Dibromoethane

Concen: 52.503 ug/l

RT: 11.09 min Scan# 1534

Delta R.T. 0.00 min

Lab File: VY000567.D

Acq: 07 Nov 2019 09:49

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 107 Resp: 133467

Ion Ratio Lower Upper

107 100

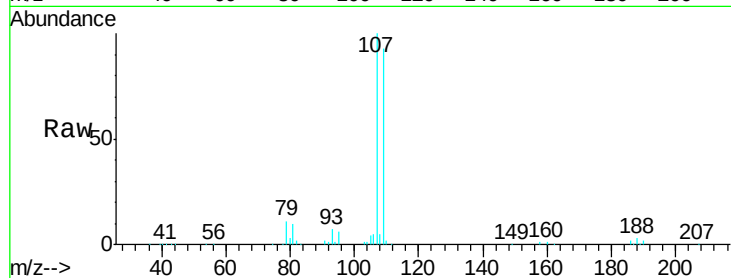
109 94.2 73.6 110.4

Manual Integrations

APPROVED

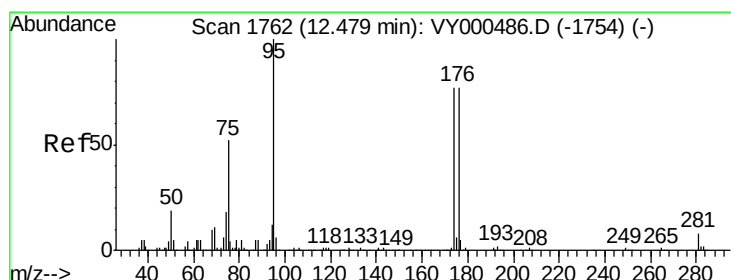
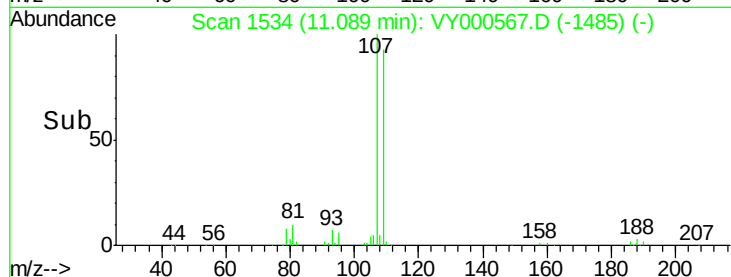
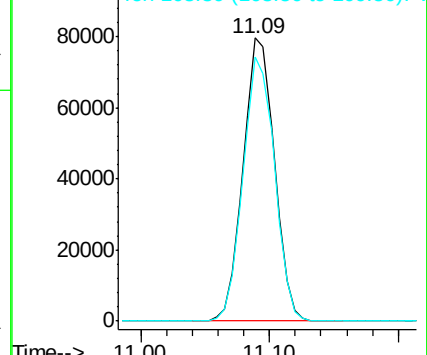
MMDadoda

11/8/2019 4:07:29 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 52.600 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY000567.D

Acq: 07 Nov 2019 09:49

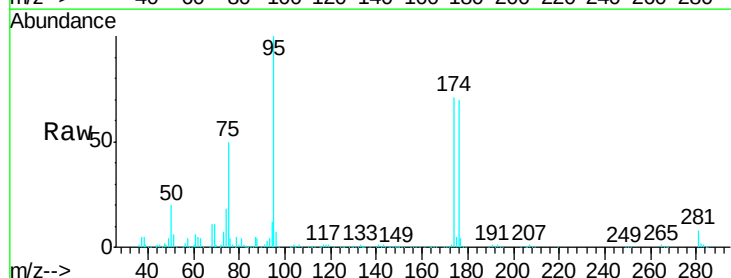
Tgt Ion: 95 Resp: 217349

Ion Ratio Lower Upper

95 100

174 75.9 0.0 161.6

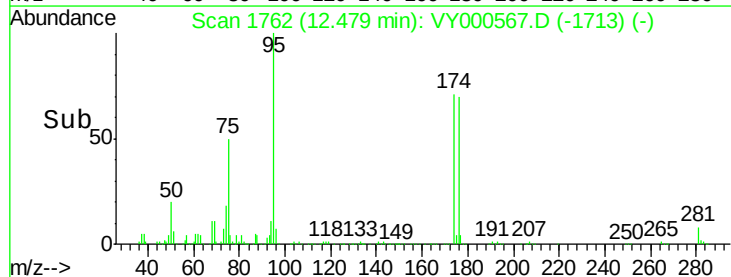
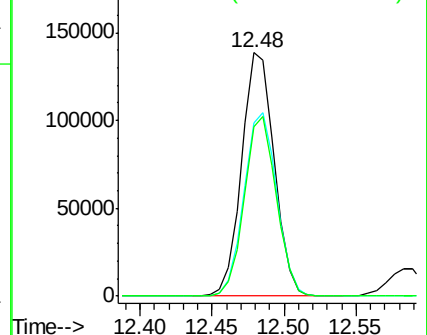
176 72.3 0.0 157.8

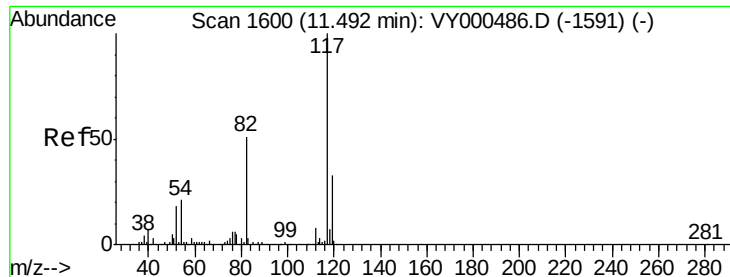


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





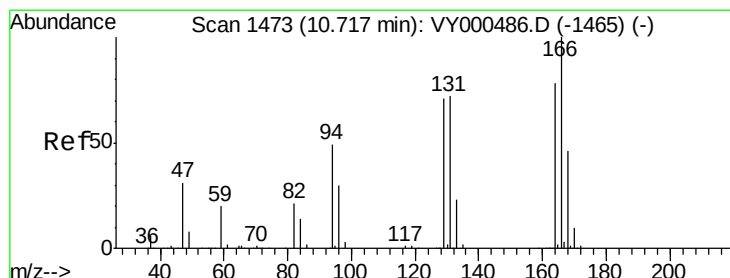
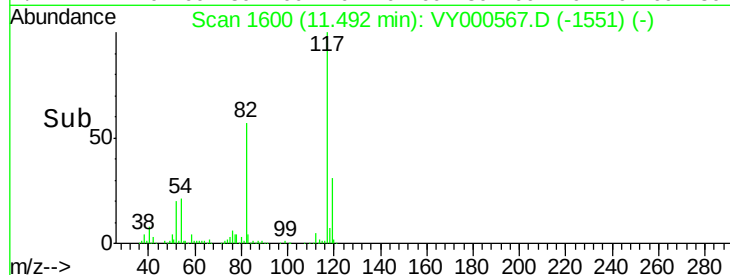
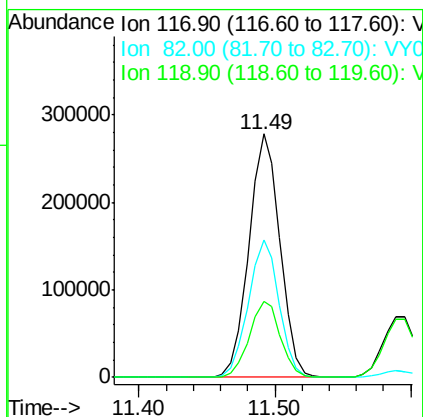
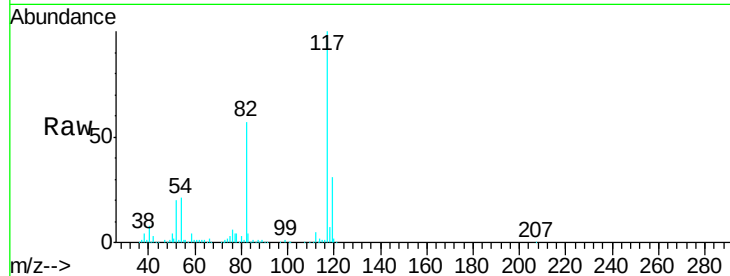
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY000567.D
Acq: 07 Nov 2019 09:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	443907		
82	56.6	40.8	61.2	
119	31.0	26.2	39.2	

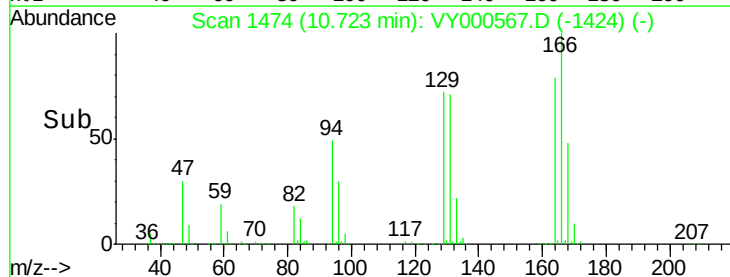
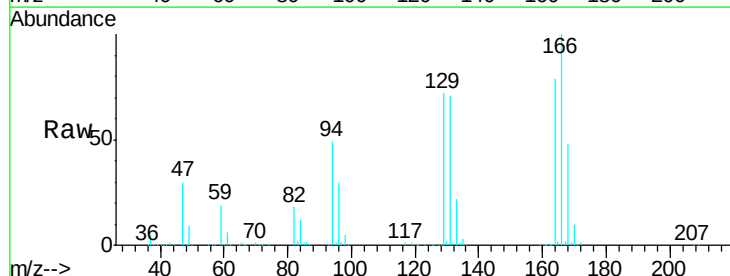
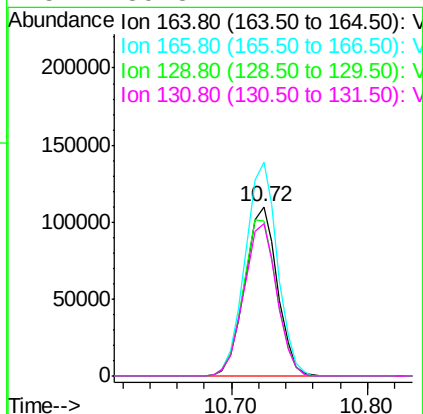
Manual Integrations
APPROVED

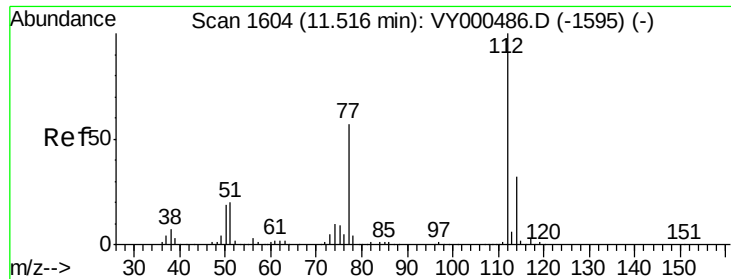
MMDadoda
11/8/2019 4:07:29 PM



#64
Tetrachloroethene
Concen: 50.092 ug/l
RT: 10.72 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VY000567.D
Acq: 07 Nov 2019 09:49

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	183866		
166	126.0	102.7	154.1	
129	91.0	73.2	109.8	
131	89.8	74.2	111.2	





#65

Chlorobenzene

Concen: 52.695 ug/l

RT: 11.52 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VY000567.D

Acq: 07 Nov 2019 09:49

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion:112 Resp: 474258

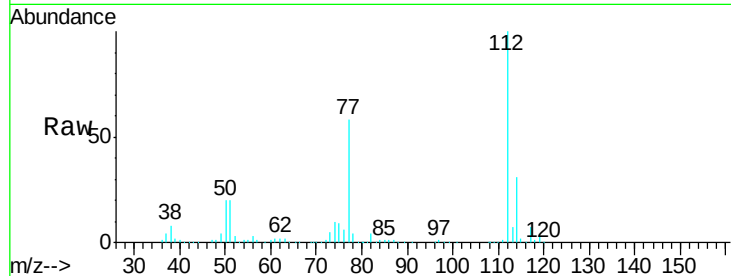
Ion Ratio Lower Upper

112 100

114 30.8 25.3 37.9

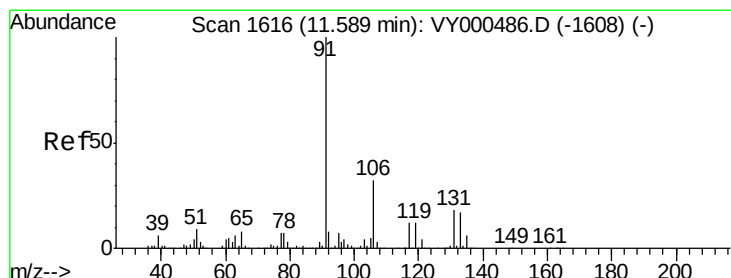
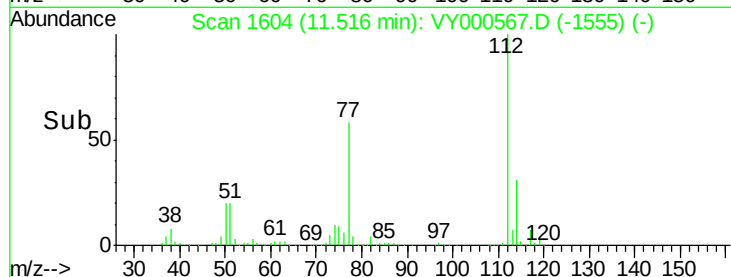
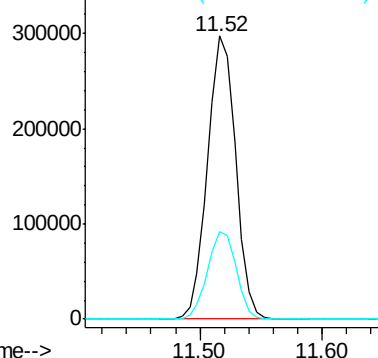
Manual Integrations
APPROVED

MMDadoda
11/8/2019 4:07:29 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 52.945 ug/l

RT: 11.59 min Scan# 1616

Delta R.T. -0.00 min

Lab File: VY000567.D

Acq: 07 Nov 2019 09:49

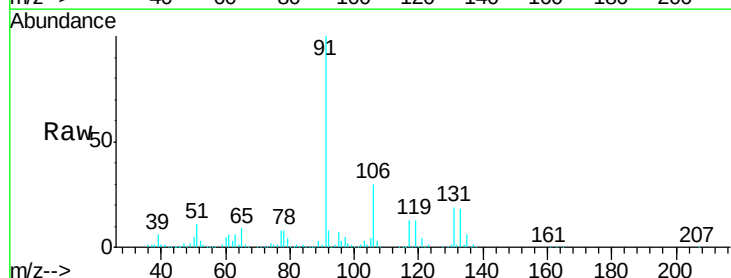
Tgt Ion:131 Resp: 165263

Ion Ratio Lower Upper

131 100

133 97.2 47.9 143.8

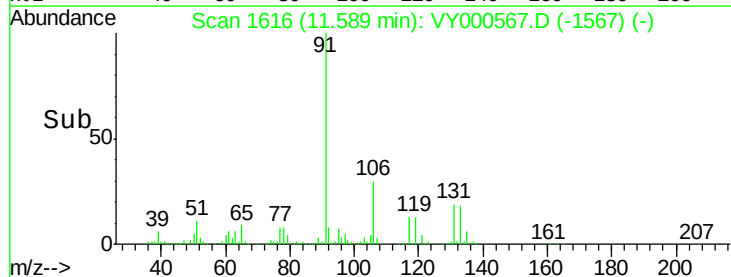
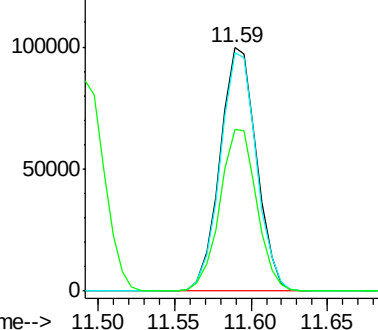
119 67.0 33.1 99.3

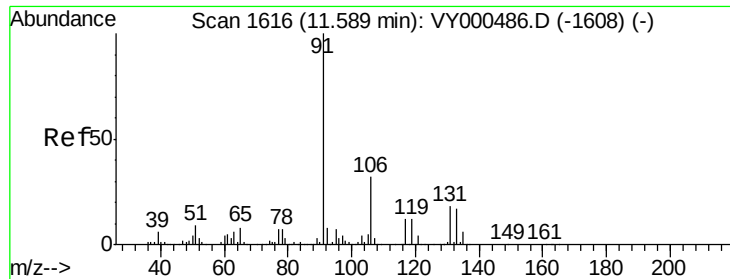


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 54.060 ug/l

RT: 11.60 min Scan# 1617

Delta R.T. 0.01 min

Lab File: VY000567.D

Acq: 07 Nov 2019 09:49

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 895454

Ion Ratio Lower Upper

91 100

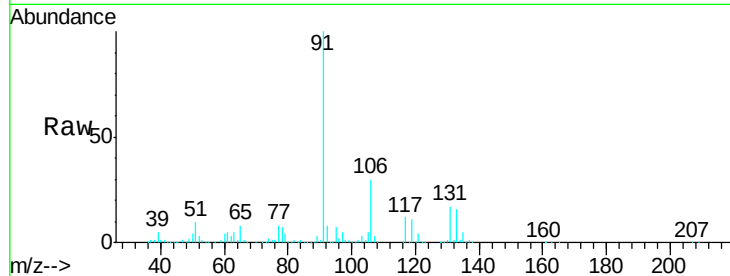
106 30.5 25.4 38.0

Manual Integrations

APPROVED

MMDadoda

11/8/2019 4:07:29 PM



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 106.00 (105.70 to 106.70): V

800000

600000

400000

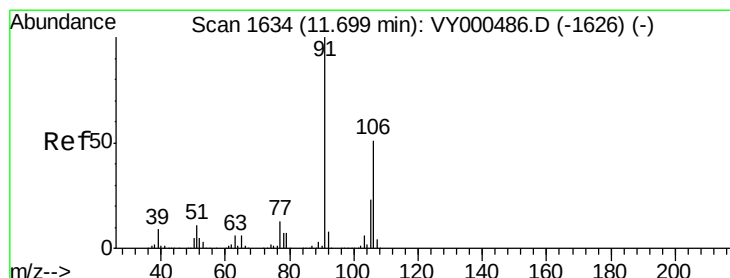
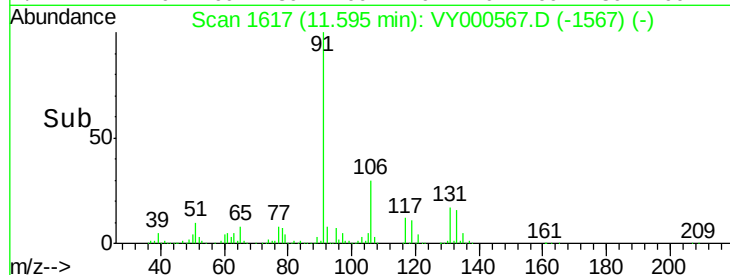
200000

0

11.50

11.60

Time-->



#68

m/p-Xylenes

Concen: 105.220 ug/l

RT: 11.70 min Scan# 1635

Delta R.T. 0.01 min

Lab File: VY000567.D

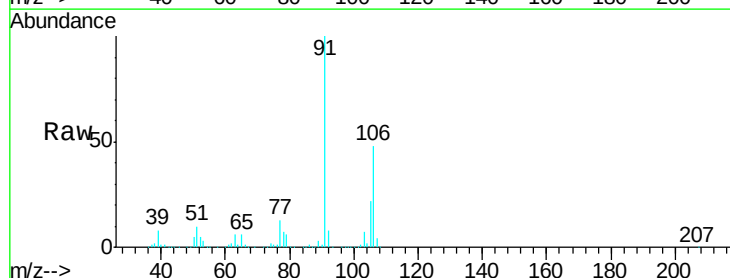
Acq: 07 Nov 2019 09:49

Tgt Ion: 106 Resp: 674566

Ion Ratio Lower Upper

106 100

91 203.3 155.9 233.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0

800000

600000

400000

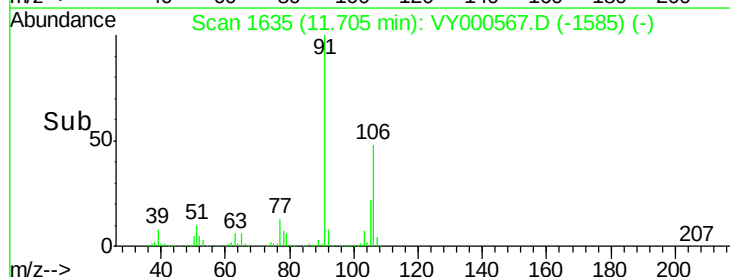
200000

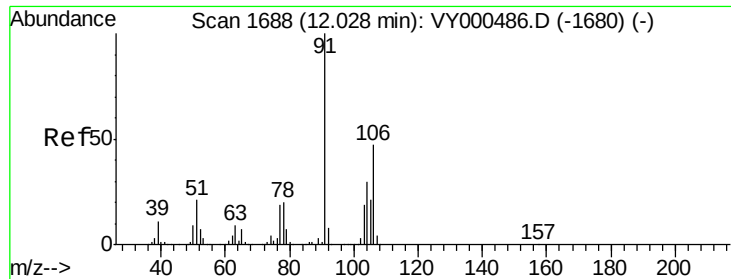
0

11.60

11.70

Time-->





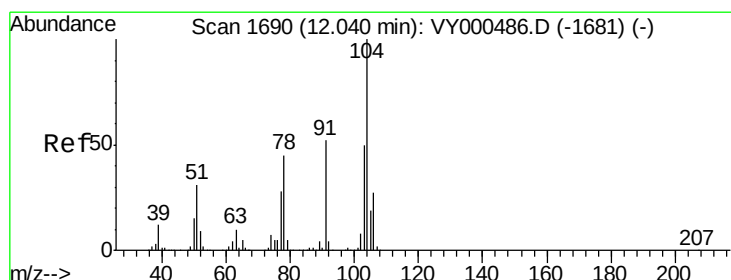
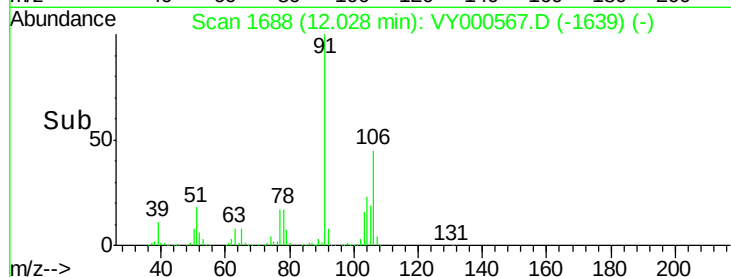
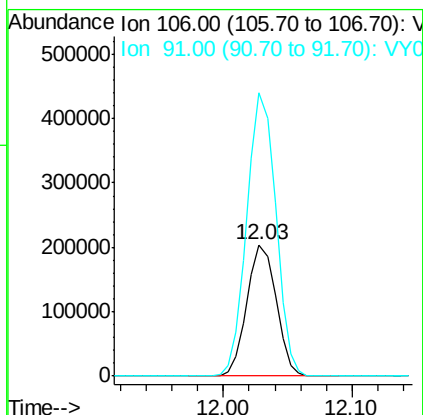
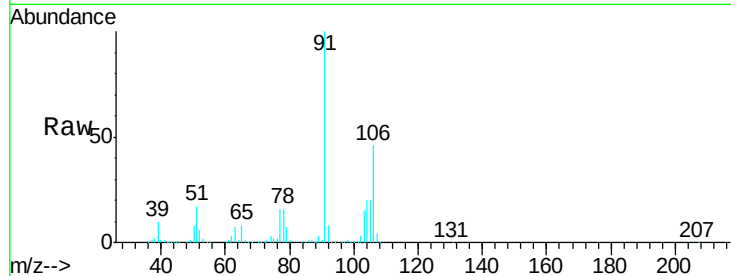
#69
o-Xylene
Concen: 53.023 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VY000567.D
Acq: 07 Nov 2019 09:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 319474
Ion Ratio Lower Upper
106 100
91 215.1 106.5 319.6

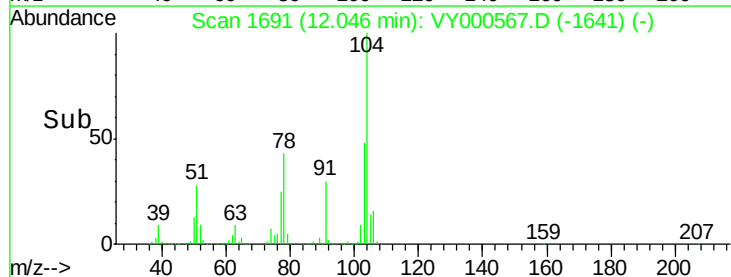
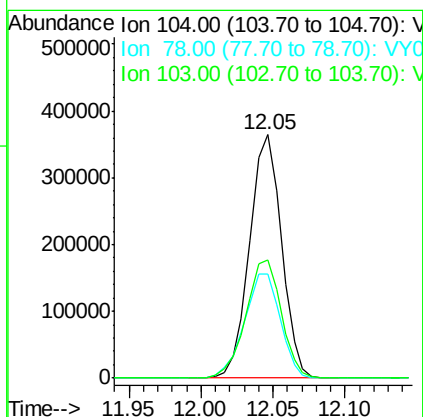
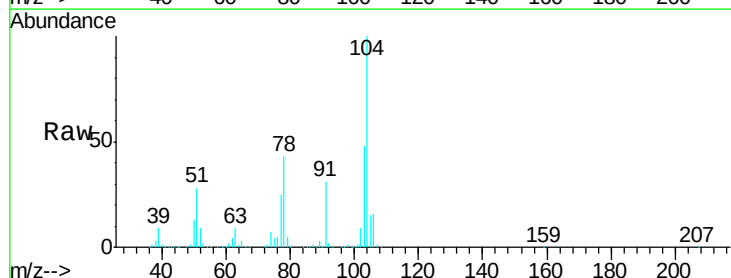
Manual Integrations
APPROVED

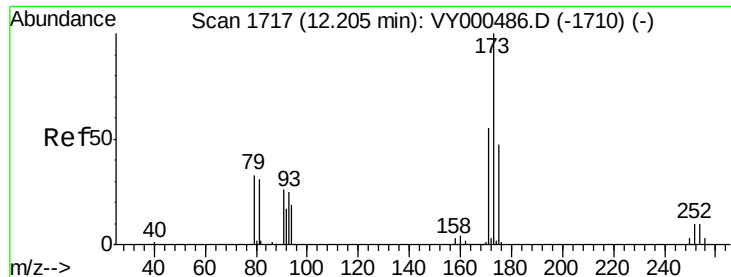
MMDadoda
11/8/2019 4:07:29 PM



#70
Styrene
Concen: 54.060 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. 0.01 min
Lab File: VY000567.D
Acq: 07 Nov 2019 09:49

Tgt Ion:104 Resp: 557757
Ion Ratio Lower Upper
104 100
78 48.6 39.0 58.4
103 54.0 42.5 63.7





#71

Bromoform

Concen: 53.762 ug/l

RT: 12.21 min Scan# 1718

Delta R.T. 0.01 min

Lab File: VY000567.D

Acq: 07 Nov 2019 09:49

Instrument :

MSVOA_Y

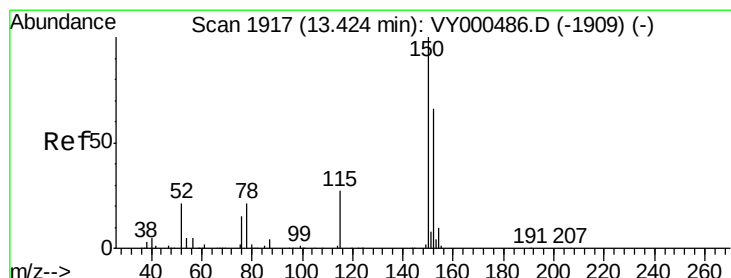
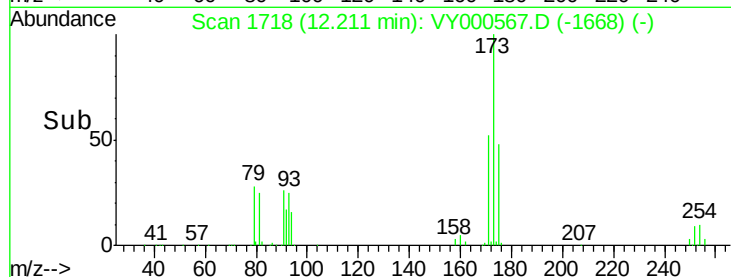
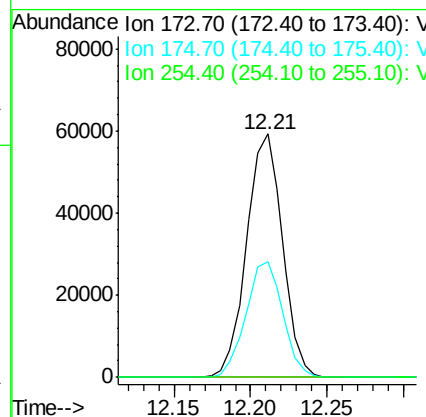
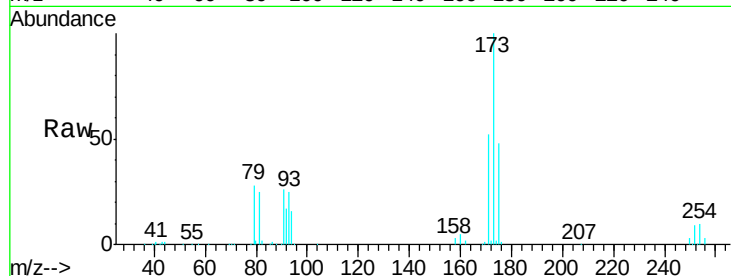
ClientSampleId :

VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.4	73.2
254	0.0	0.1	0.1

Manual Integrations
APPROVED

MMDadoda
11/8/2019 4:07:29 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

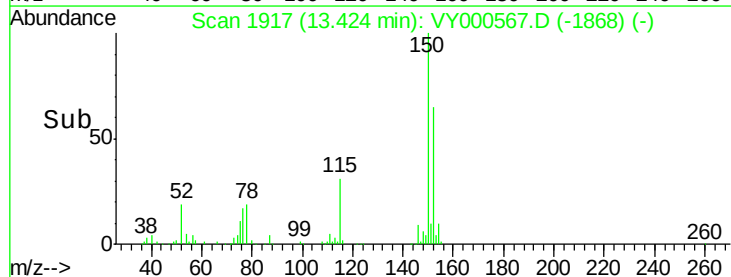
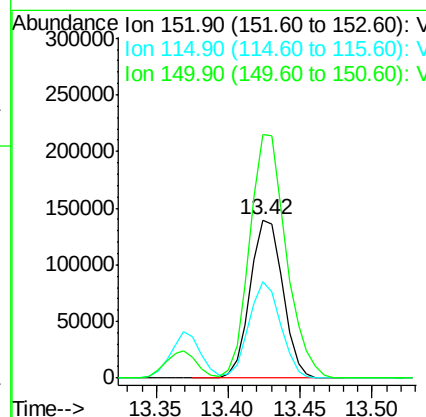
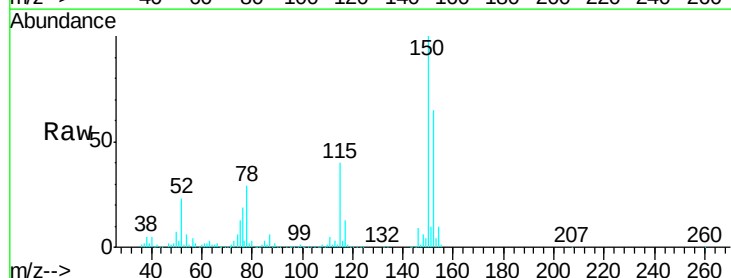
RT: 13.42 min Scan# 1917

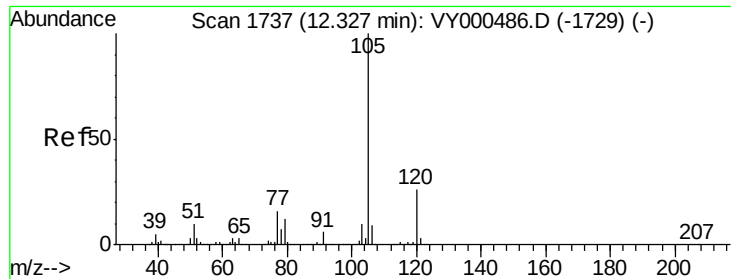
Delta R.T. -0.00 min

Lab File: VY000567.D

Acq: 07 Nov 2019 09:49

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.2	29.1	87.4
150	171.7	0.0	348.8





#73

Isopropylbenzene

Concen: 53.819 ug/l

RT: 12.33 min Scan# 1738

Delta R.T. 0.01 min

Lab File: VY000567.D

Acq: 07 Nov 2019 09:49

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 105 Resp: 870982

Ion Ratio Lower Upper

105 100

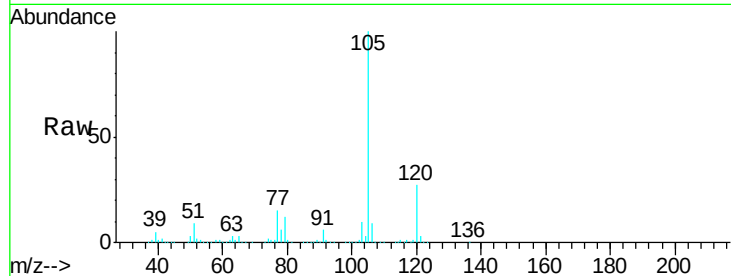
120 26.9 13.5 40.4

Manual Integrations

APPROVED

MMDadoda

11/8/2019 4:07:29 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.33

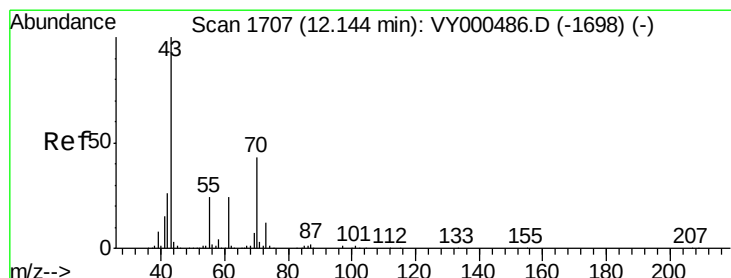
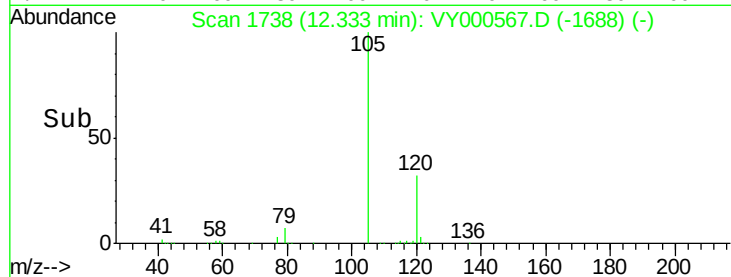
600000

400000

200000

0

Time-->



#74

N-ethyl acetate

Concen: 55.054 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VY000567.D

Acq: 07 Nov 2019 09:49

Tgt Ion: 43 Resp: 255171

Ion Ratio Lower Upper

43 100

70 43.3 33.1 49.7

55 22.5 18.0 27.0

61 24.0 19.1 28.7

Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0

250000

200000

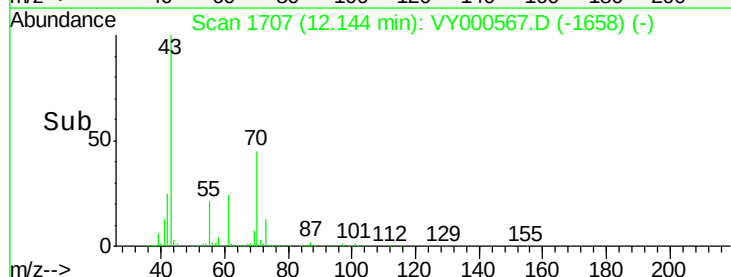
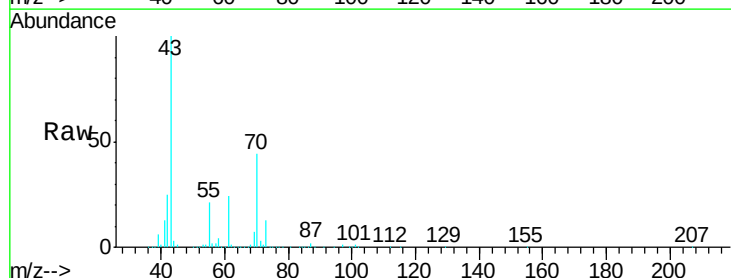
150000

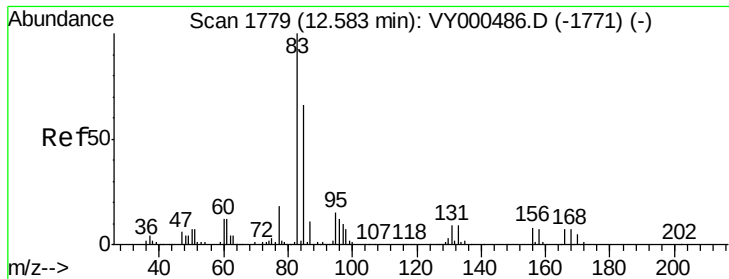
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 52.571 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VY000567.D

Acq: 07 Nov 2019 09:49

Instrument :

MSVOA_Y

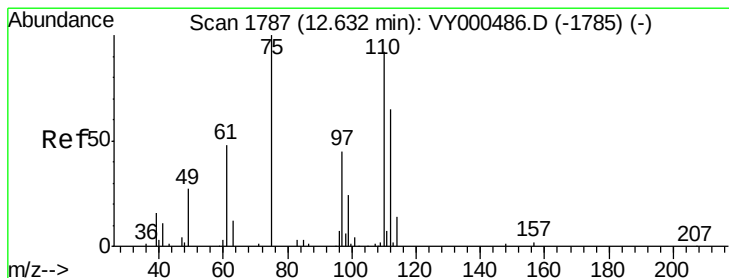
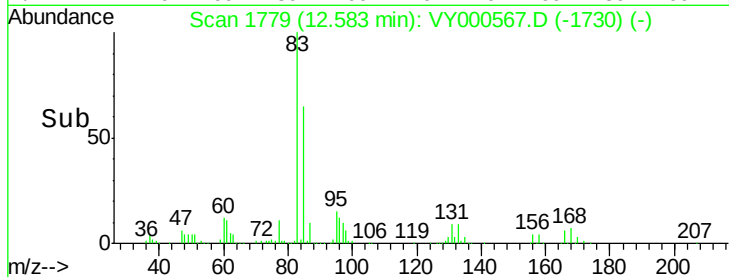
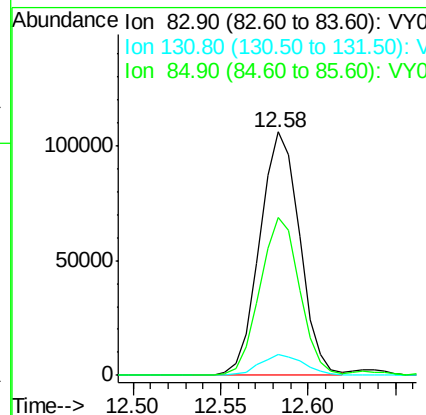
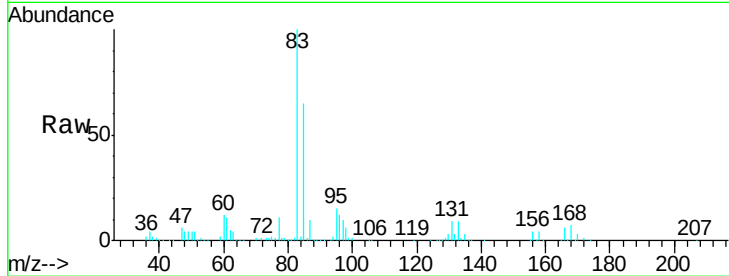
ClientSampleId :

VSTDCCC050

Tgt Ion:	83	Resp:	168456
Ion Ratio	Lower	Upper	
83	100		
131	9.6	5.0	14.9
85	64.4	32.3	96.9

Manual Integrations
APPROVED

MMDadoda
11/8/2019 4:07:29 PM



#76

1,2,3-Trichloropropane

Concen: 51.918 ug/l m

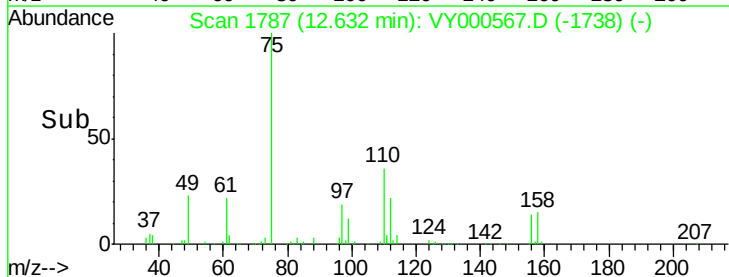
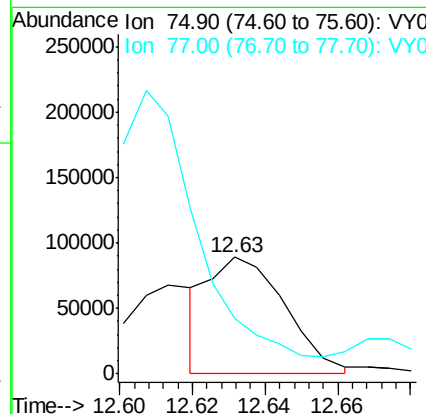
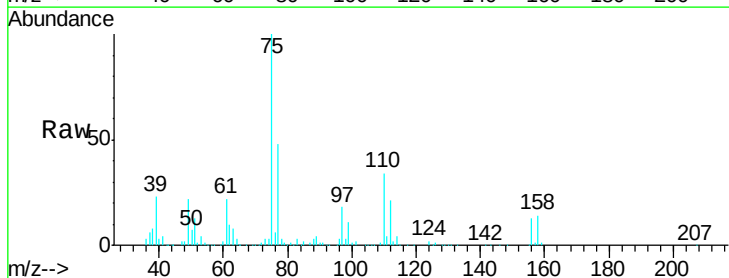
RT: 12.63 min Scan# 1787

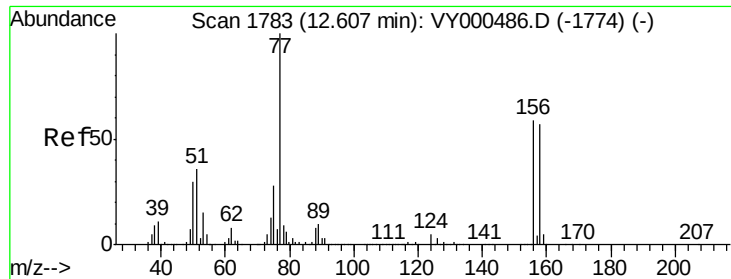
Delta R.T. 0.00 min

Lab File: VY000567.D

Acq: 07 Nov 2019 09:49

Tgt Ion:	75	Resp:	129445
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 51.297 ug/l

RT: 12.61 min Scan# 1784

Delta R.T. 0.01 min

Lab File: VY000567.D

Acq: 07 Nov 2019 09:49

Instrument :

MSVOA_Y

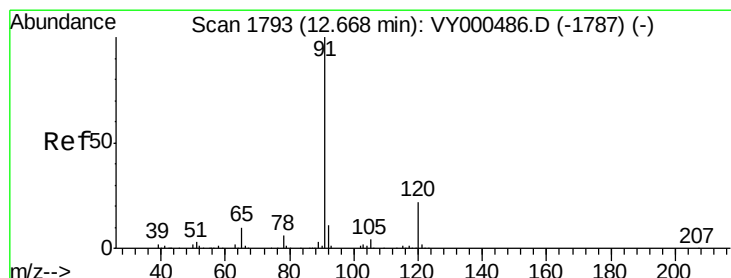
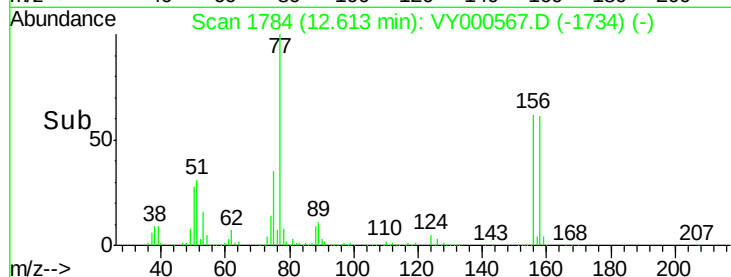
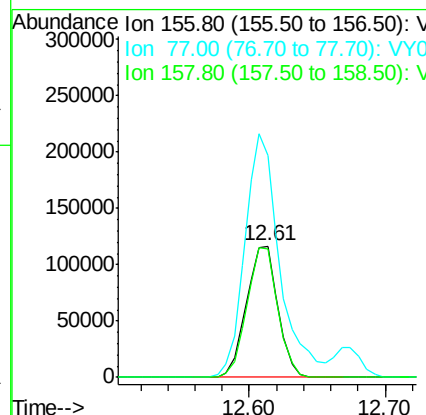
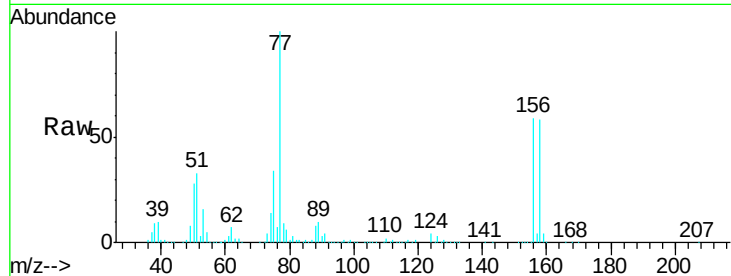
ClientSampleId :

VSTDCCC050

Tgt Ion:	156	Resp:	188254
Ion Ratio	Lower	Upper	
156	100		
77	205.8	98.2	294.4
158	96.9	49.6	149.0

Manual Integrations
APPROVED

MMDadoda
11/8/2019 4:07:29 PM



#78

n-propylbenzene

Concen: 54.599 ug/l

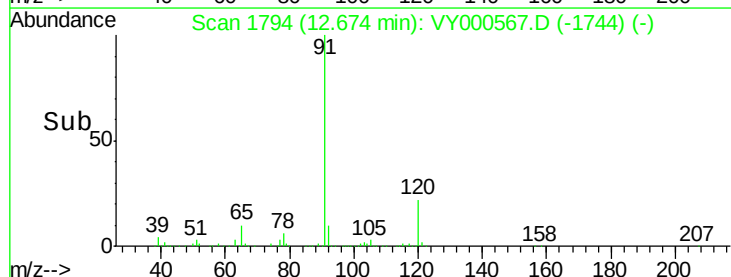
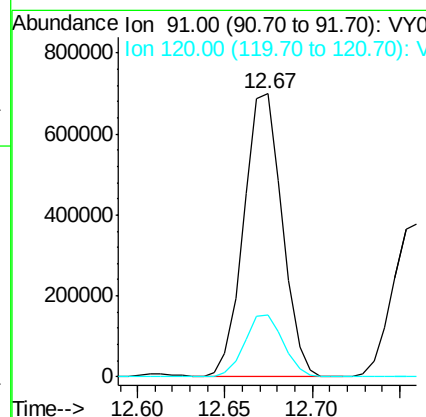
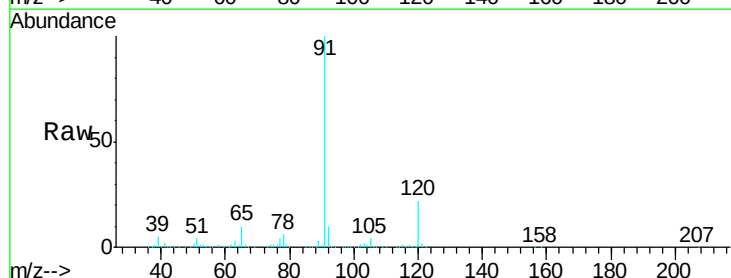
RT: 12.67 min Scan# 1794

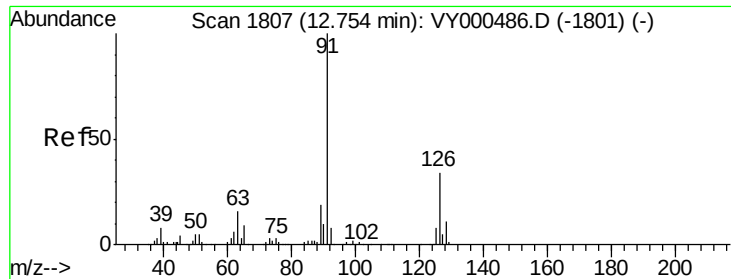
Delta R.T. 0.01 min

Lab File: VY000567.D

Acq: 07 Nov 2019 09:49

Tgt Ion:	91	Resp:	1066138
Ion Ratio	Lower	Upper	
91	100		
120	22.1	11.4	34.1





#79

2-Chlorotoluene

Concen: 54.414 ug/l

RT: 12.76 min Scan# 1808

Delta R.T. 0.01 min

Lab File: VY000567.D

Acq: 07 Nov 2019 09:49

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 589871

Ion Ratio Lower Upper

91 100

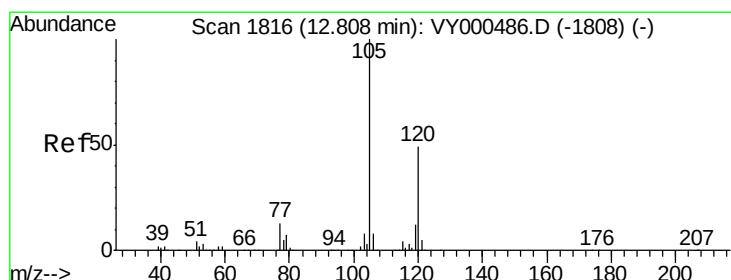
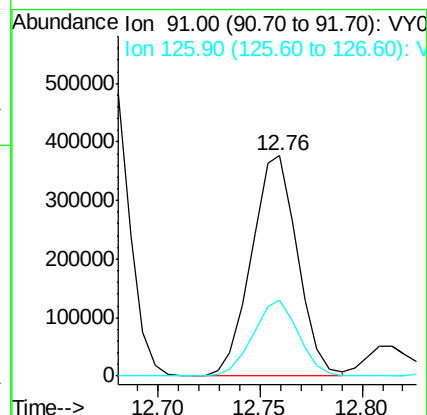
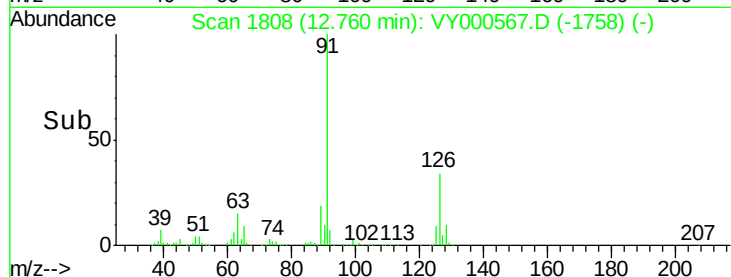
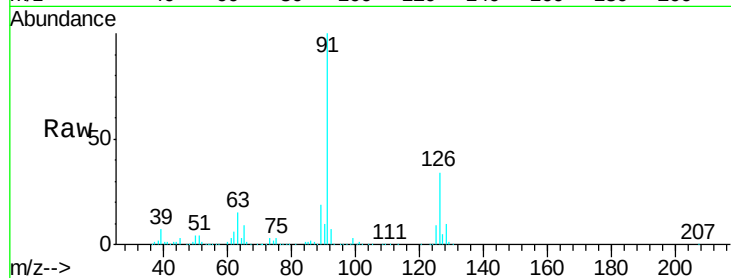
126 34.0 17.7 53.1

Manual Integrations

APPROVED

MMDadoda

11/8/2019 4:07:29 PM



#80

1,3,5-Trimethylbenzene

Concen: 54.136 ug/l

RT: 12.81 min Scan# 1817

Delta R.T. 0.01 min

Lab File: VY000567.D

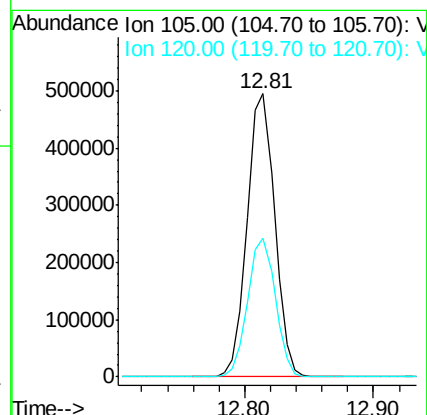
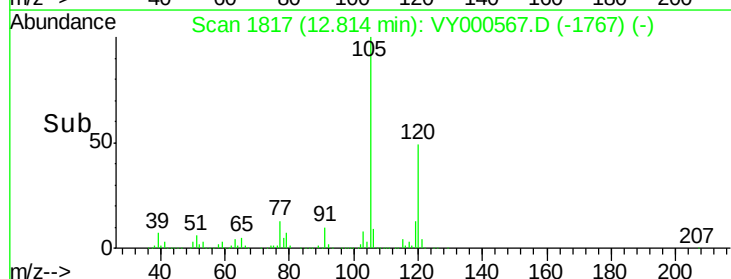
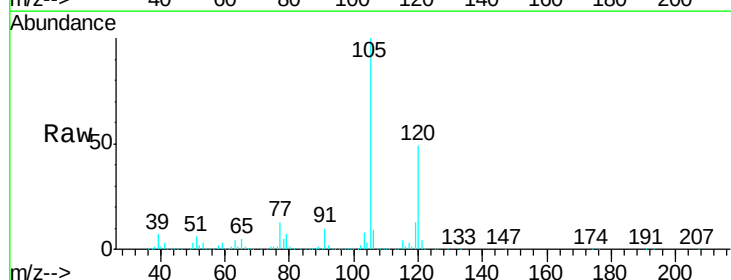
Acq: 07 Nov 2019 09:49

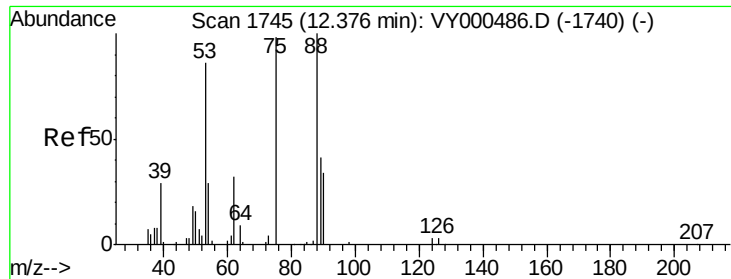
Tgt Ion: 105 Resp: 729664

Ion Ratio Lower Upper

105 100

120 49.4 24.9 74.8





#81

trans-1,4-Dichloro-2-butene

Concen: 54.878 ug/l

RT: 12.38 min Scan# 1746

Delta R.T. 0.01 min

Lab File: VY000567.D

Acq: 07 Nov 2019 09:49

Instrument :

MSVOA_Y

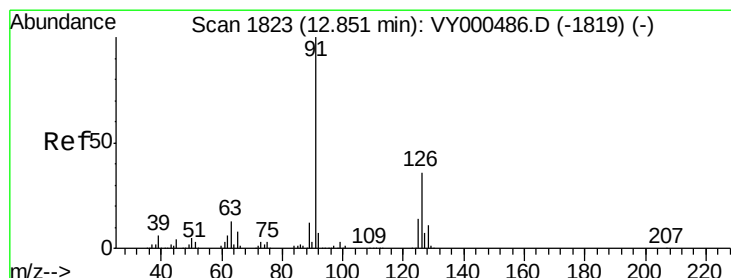
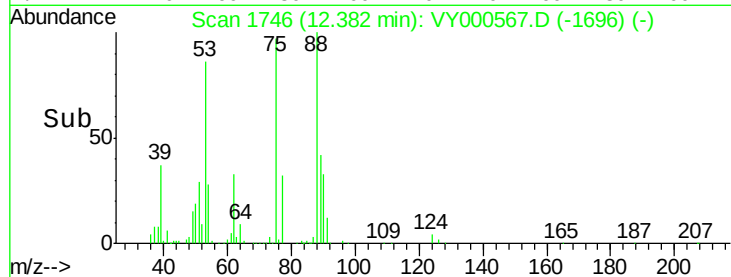
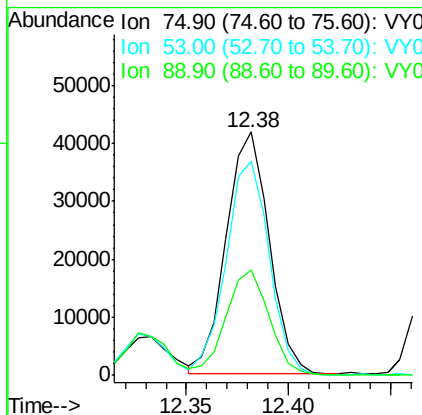
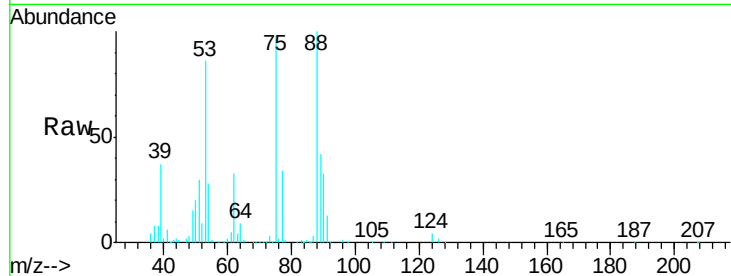
ClientSampleId :

VSTDCCC050

Tgt Ion:	75	Resp:	61024
Ion	Ratio	Lower	Upper
75	100		
53	89.1	73.2	109.8
89	43.7	35.9	53.9

Manual Integrations
APPROVED

MMDadoda
11/8/2019 4:07:29 PM



#82

4-Chlorotoluene

Concen: 55.832 ug/l

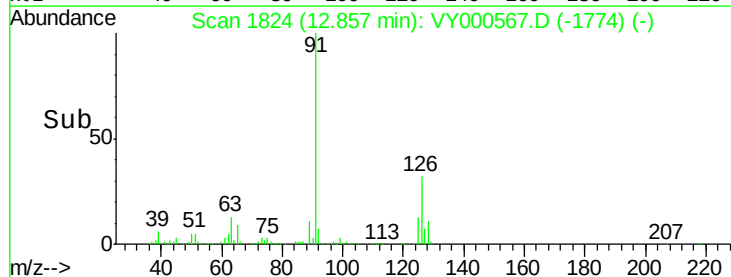
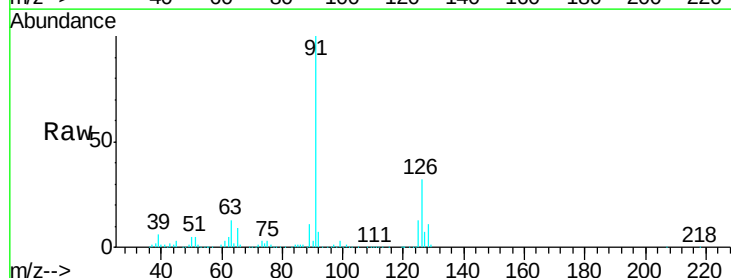
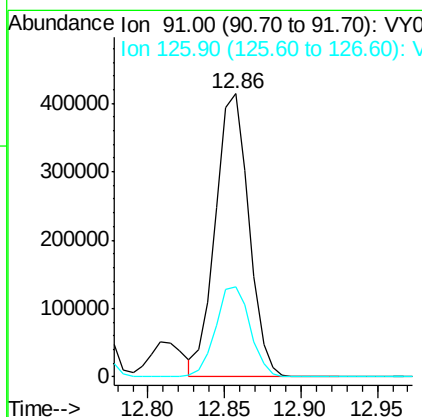
RT: 12.86 min Scan# 1824

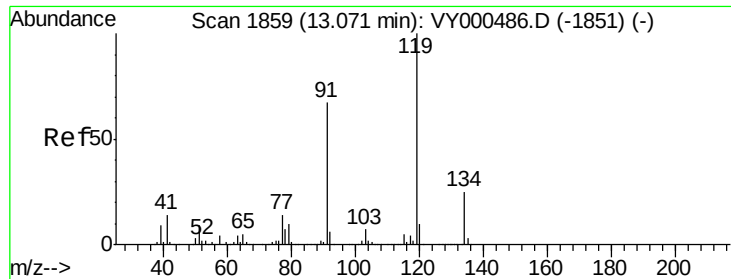
Delta R.T. 0.01 min

Lab File: VY000567.D

Acq: 07 Nov 2019 09:49

Tgt Ion:	91	Resp:	627376
Ion	Ratio	Lower	Upper
91	100		
126	33.1	17.6	52.9





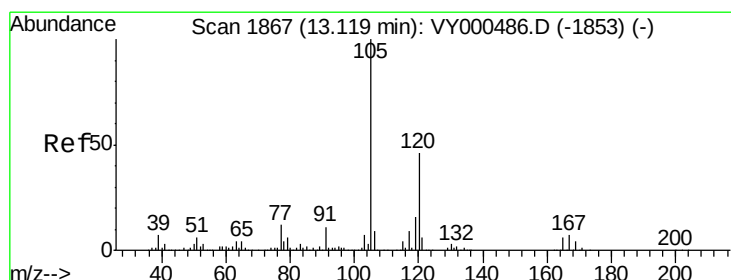
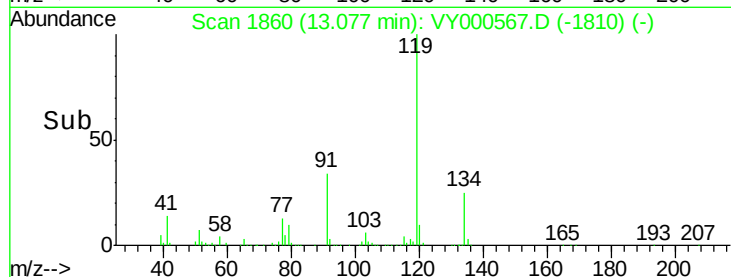
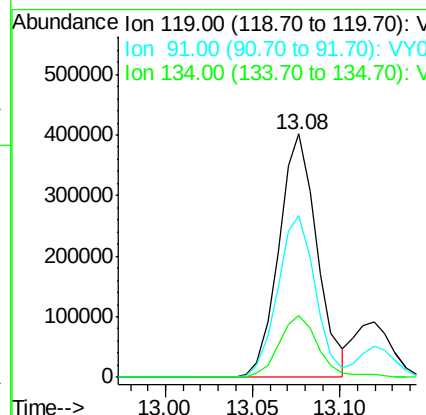
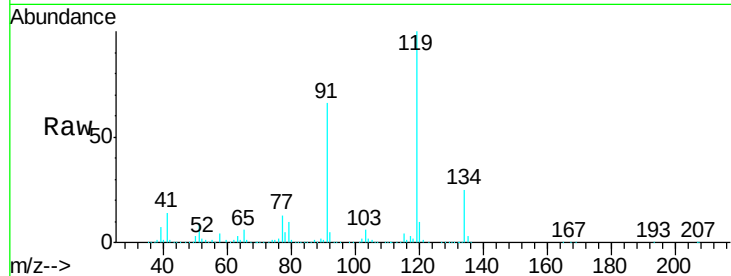
#83
 tert-Butylbenzene
 Concen: 53.237 ug/l
 RT: 13.08 min Scan# 1860
 Delta R.T. 0.01 min
 Lab File: VY000567.D
 Acq: 07 Nov 2019 09:49

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	612665		
91	65.5	32.1	96.3	
134	26.5	13.2	39.5	

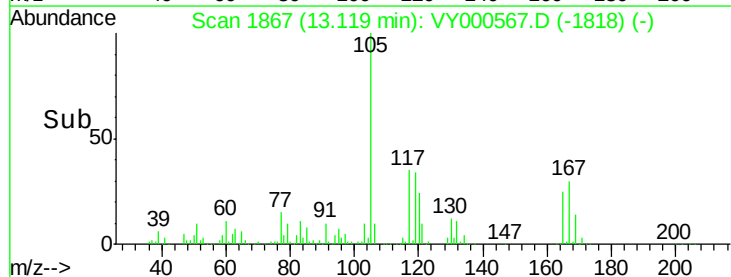
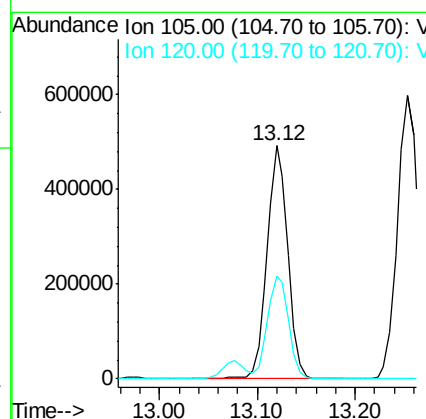
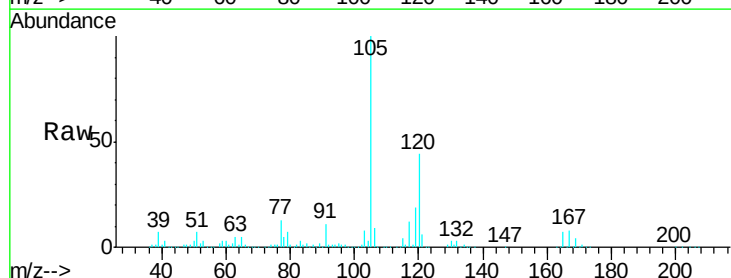
Manual Integrations
 APPROVED

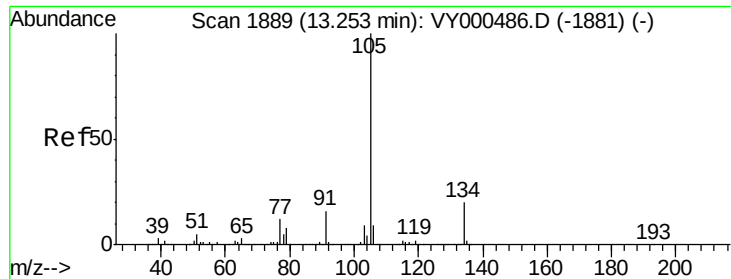
MMDadoda
 11/8/2019 4:07:29 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 54.087 ug/l
 RT: 13.12 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VY000567.D
 Acq: 07 Nov 2019 09:49

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	725846		
120	44.9	23.3	69.9	





#85

sec-Butylbenzene

Concen: 54.193 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VY000567.D

Acq: 07 Nov 2019 09:49

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion:105 Resp: 888548

Ion Ratio Lower Upper

105 100

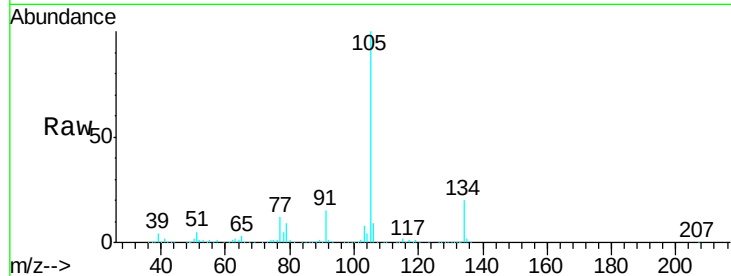
134 20.1 10.1 30.1

Manual Integrations

APPROVED

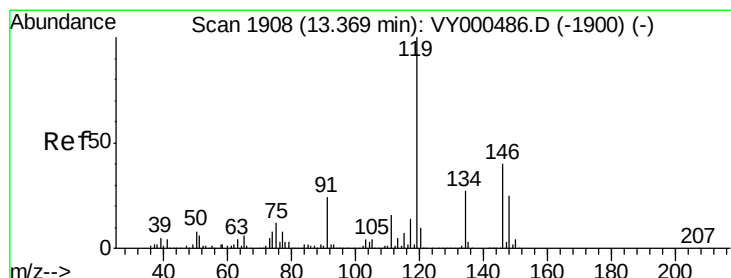
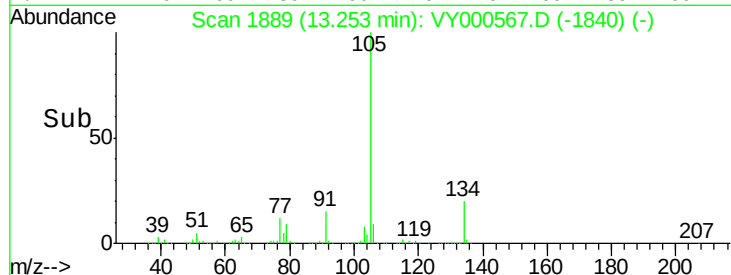
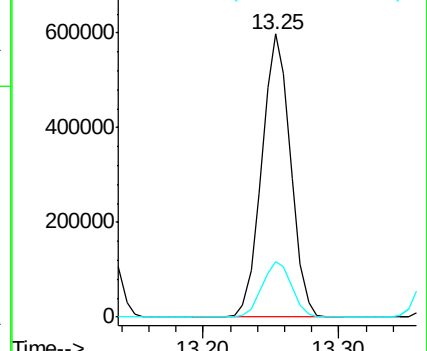
MMDadoda

11/8/2019 4:07:29 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 54.053 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. -0.00 min

Lab File: VY000567.D

Acq: 07 Nov 2019 09:49

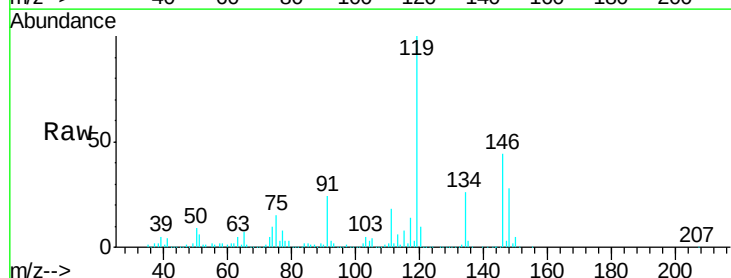
Tgt Ion:119 Resp: 789879

Ion Ratio Lower Upper

119 100

134 26.4 13.6 40.8

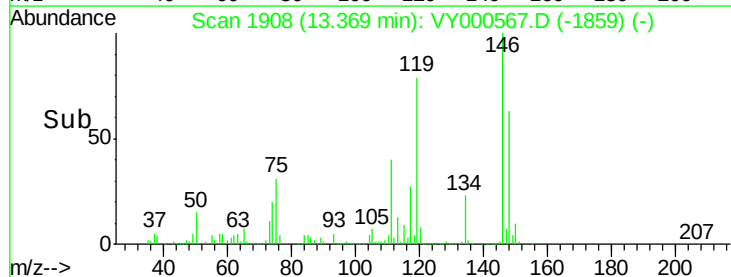
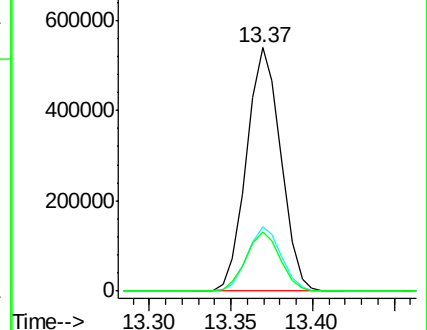
91 24.1 12.0 36.1

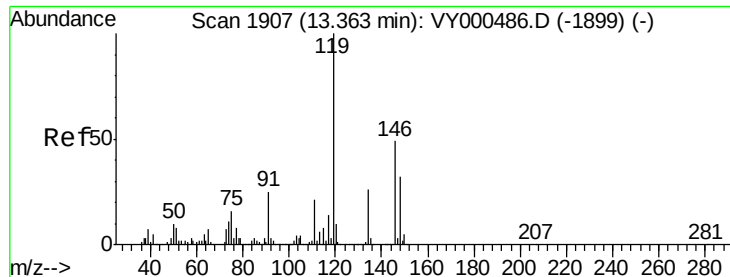


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0





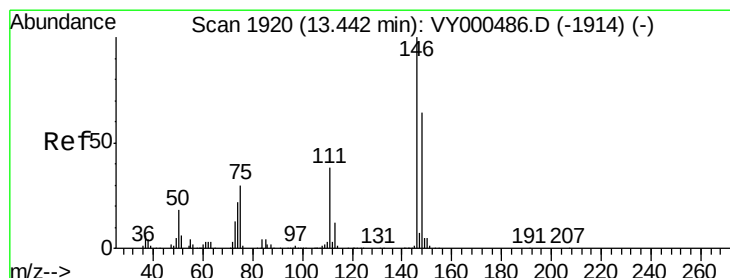
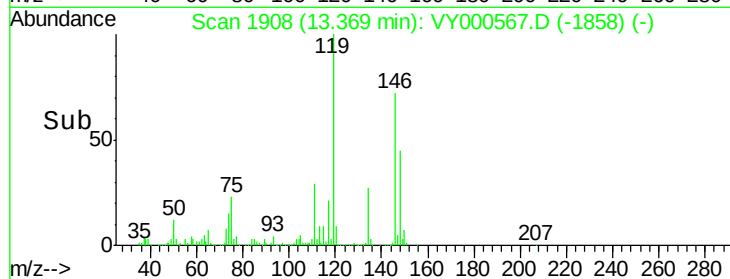
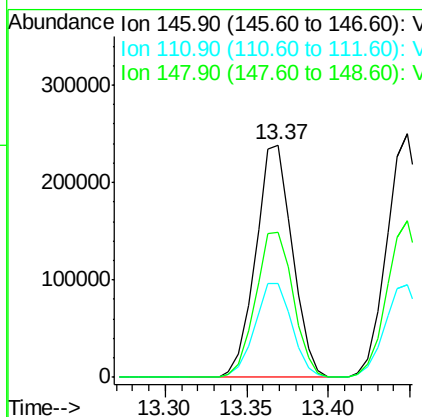
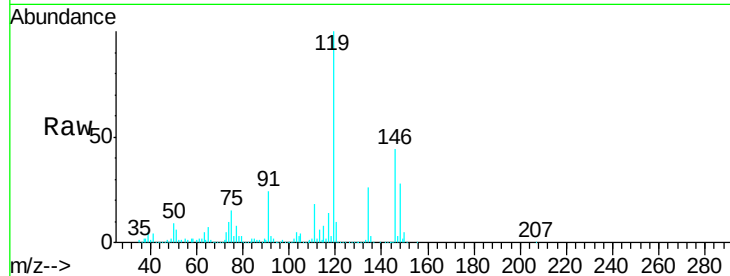
#87
 1,3-Dichlorobenzene
 Concen: 51.685 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. 0.01 min
 Lab File: VY000567.D
 Acq: 07 Nov 2019 09:49

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	371525		
111	41.1	20.3	60.8	
148	64.3	31.5	94.5	

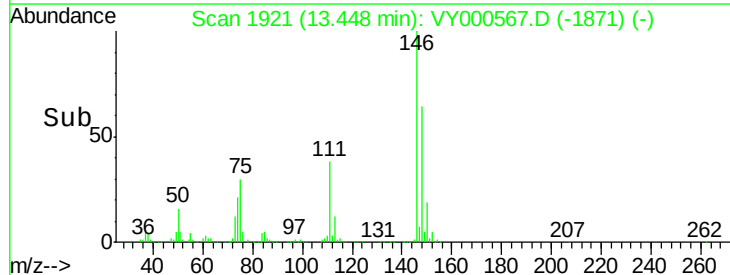
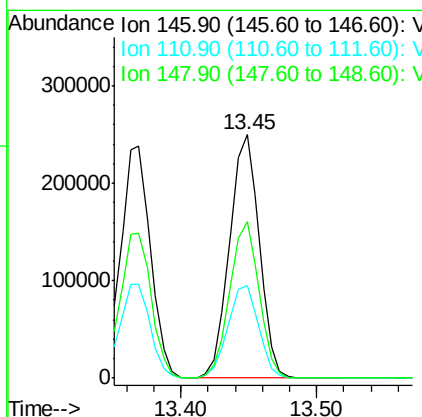
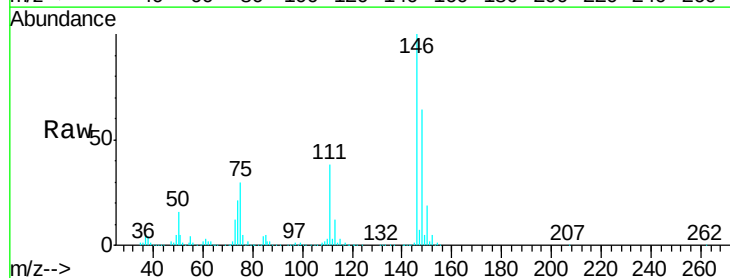
Manual Integrations
 APPROVED

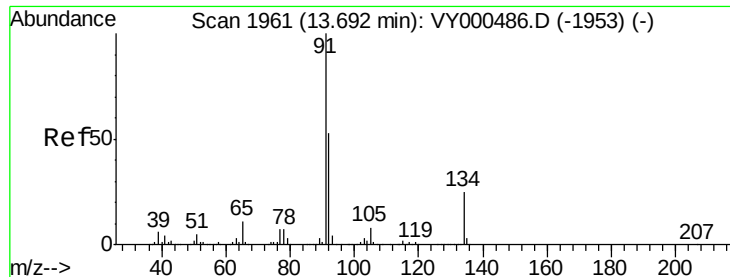
MMDadoda
 11/8/2019 4:07:29 PM



#88
 1,4-Dichlorobenzene
 Concen: 52.820 ug/l
 RT: 13.45 min Scan# 1921
 Delta R.T. 0.01 min
 Lab File: VY000567.D
 Acq: 07 Nov 2019 09:49

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	379406		
111	39.3	19.7	59.0	
148	63.6	31.9	95.7	





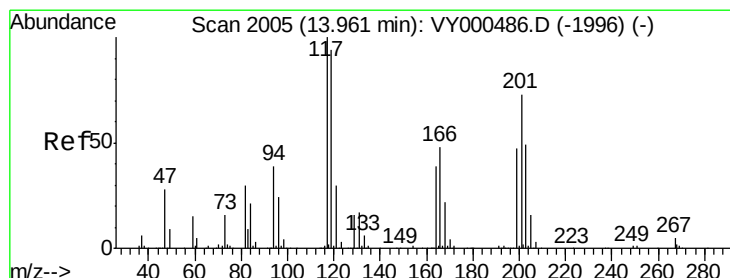
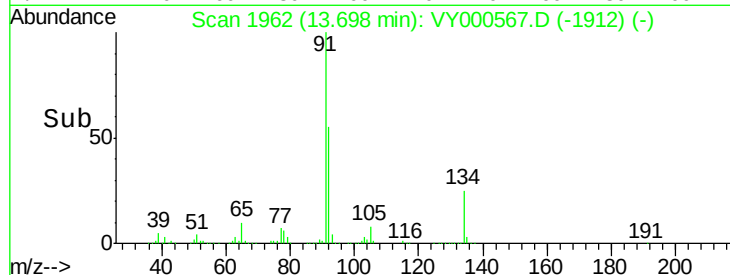
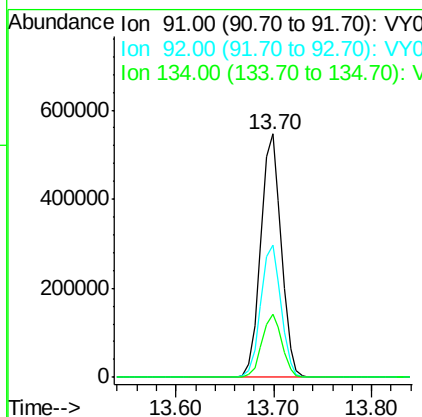
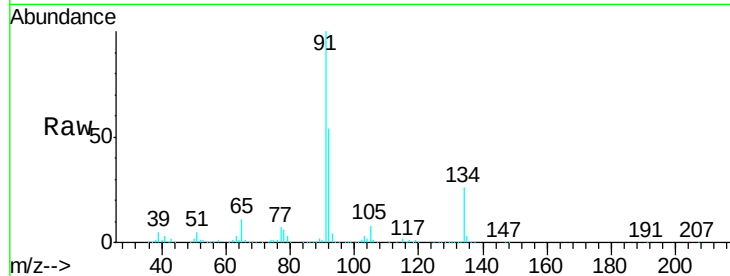
#89
n-Butylbenzene
Concen: 54.860 ug/l
RT: 13.70 min Scan# 1962
Delta R.T. 0.01 min
Lab File: VY000567.D
Acq: 07 Nov 2019 09:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	790693		
92	53.9	26.8	80.3	
134	25.3	12.9	38.7	

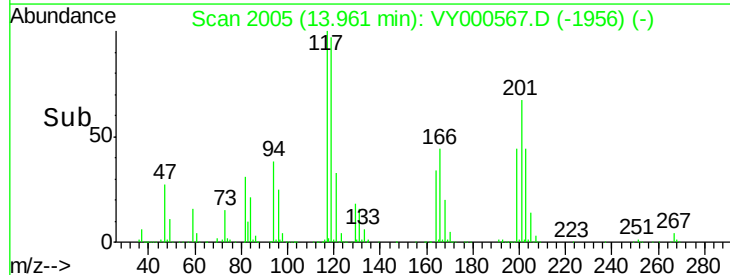
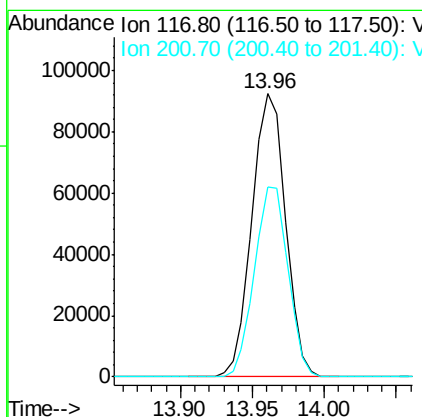
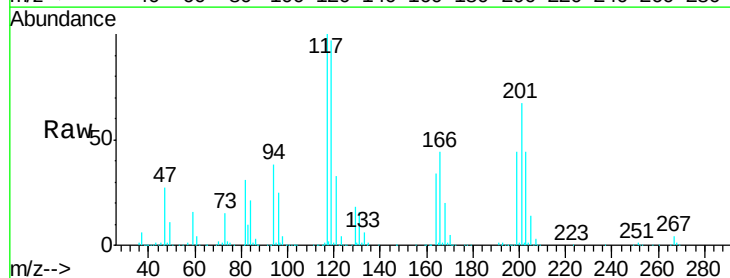
Manual Integrations
APPROVED

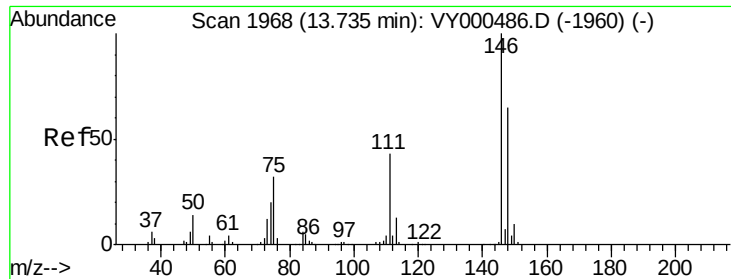
MMDadoda
11/8/2019 4:07:29 PM



#90
Hexachloroethane
Concen: 55.056 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. 0.00 min
Lab File: VY000567.D
Acq: 07 Nov 2019 09:49

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	148735		
201	67.4	35.8	107.3	





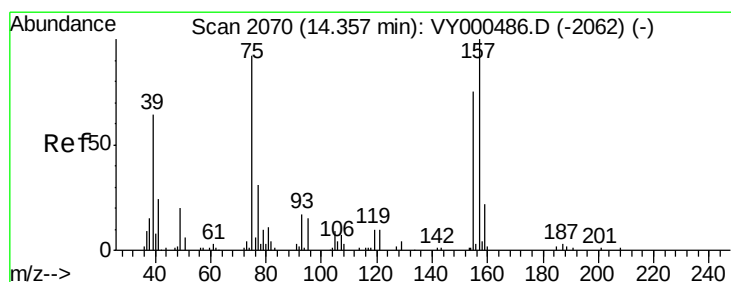
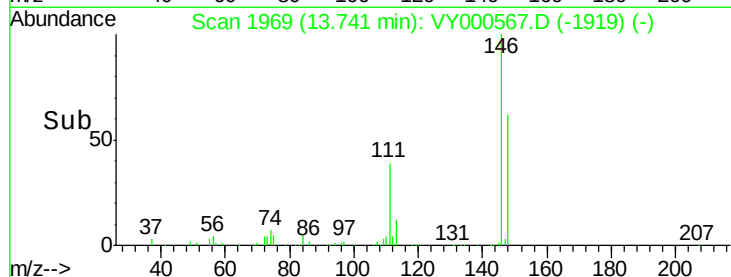
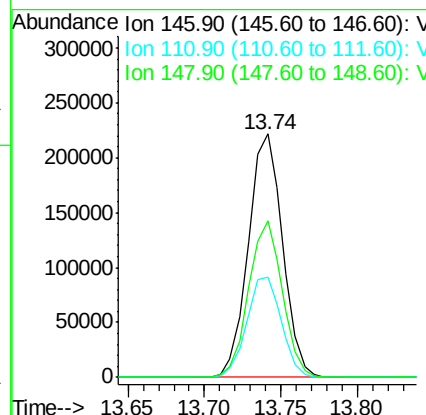
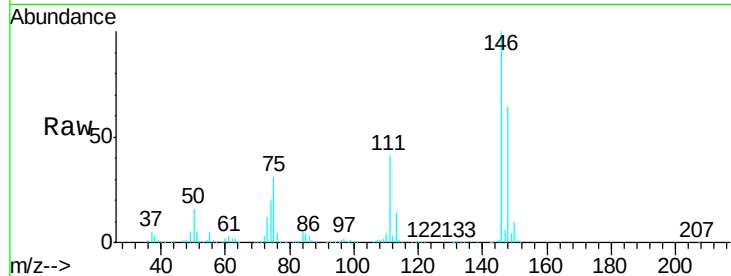
#91
 1,2-Dichlorobenzene
 Concen: 52.761 ug/l
 RT: 13.74 min Scan# 1969
 Delta R.T. 0.01 min
 Lab File: VY000567.D
 Acq: 07 Nov 2019 09:49

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	344103		
111	41.8	20.5	61.5	
148	63.0	31.7	95.1	

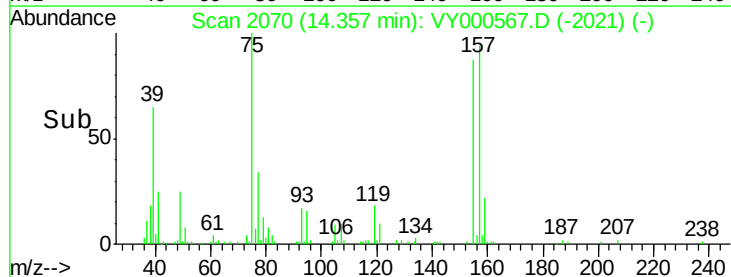
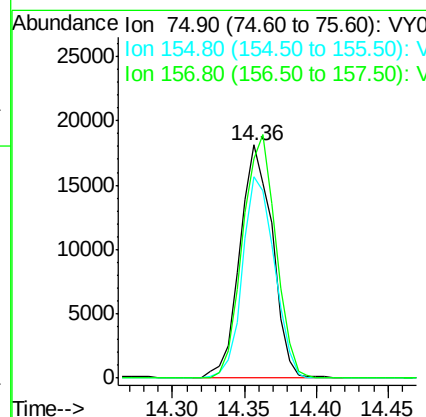
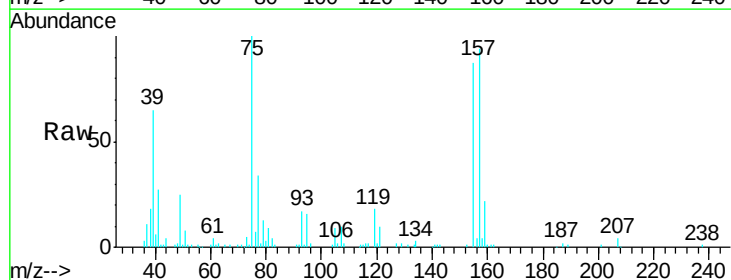
Manual Integrations
 APPROVED

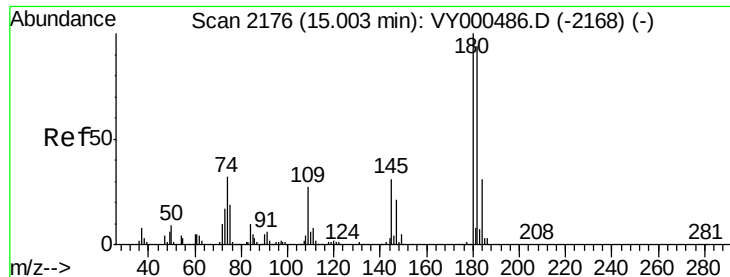
MMDadoda
 11/8/2019 4:07:29 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.360 ug/l
 RT: 14.36 min Scan# 2070
 Delta R.T. 0.00 min
 Lab File: VY000567.D
 Acq: 07 Nov 2019 09:49

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	28559		
155	84.0	42.4	127.1	
157	105.5	55.1	165.3	





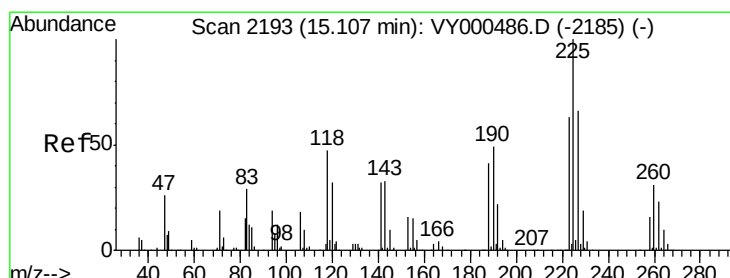
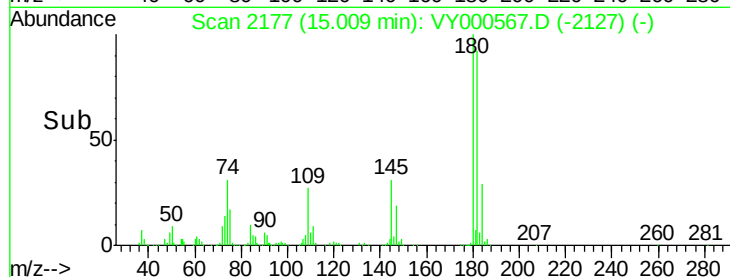
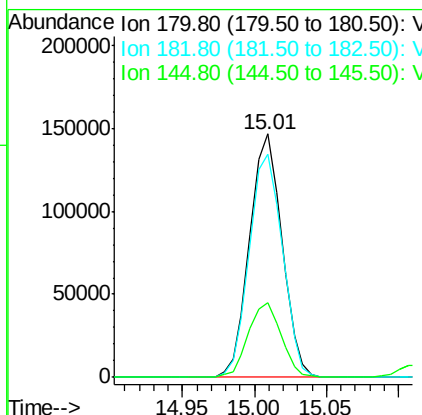
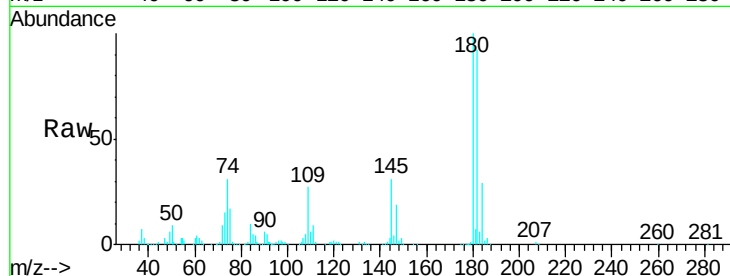
#93
 1,2,4-Trichlorobenzene
 Concen: 51.298 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. 0.01 min
 Lab File: VY000567.D
 Acq: 07 Nov 2019 09:49

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	227802		
182	94.3	47.8	143.4	
145	31.2	16.0	47.9	

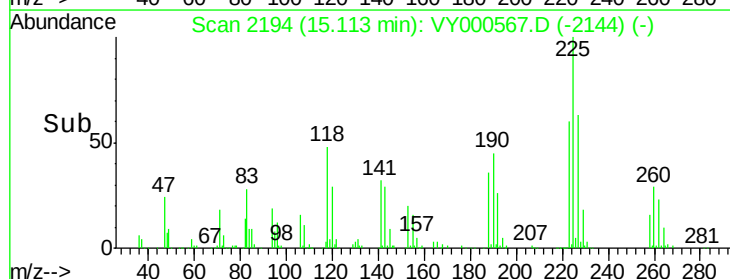
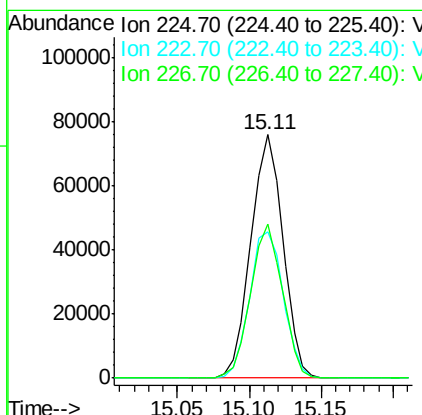
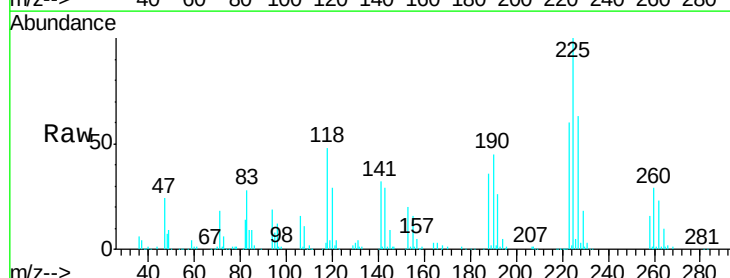
Manual Integrations
 APPROVED

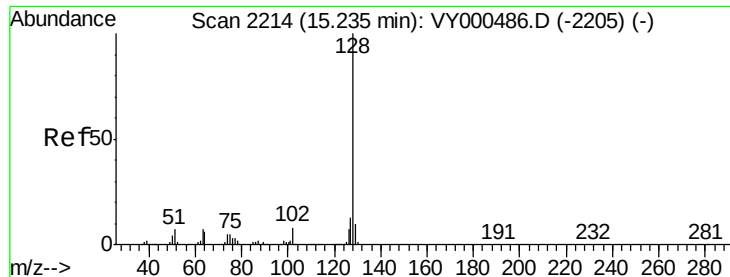
MMDadoda
 11/8/2019 4:07:29 PM



#94
 Hexachlorobutadiene
 Concen: 51.078 ug/l
 RT: 15.11 min Scan# 2194
 Delta R.T. 0.01 min
 Lab File: VY000567.D
 Acq: 07 Nov 2019 09:49

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	116924		
223	63.2	31.3	93.8	
227	62.6	32.4	97.0	





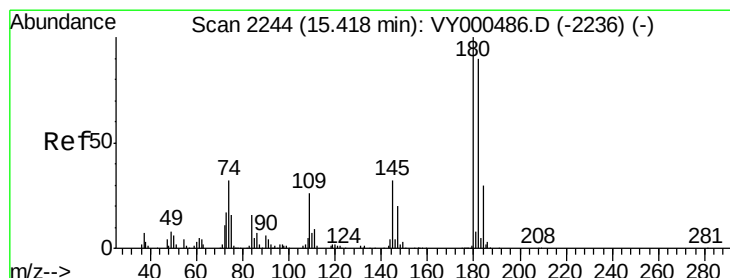
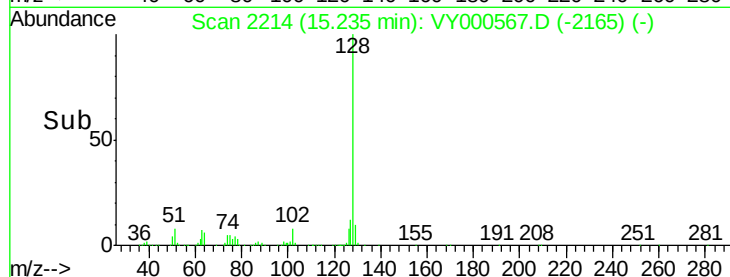
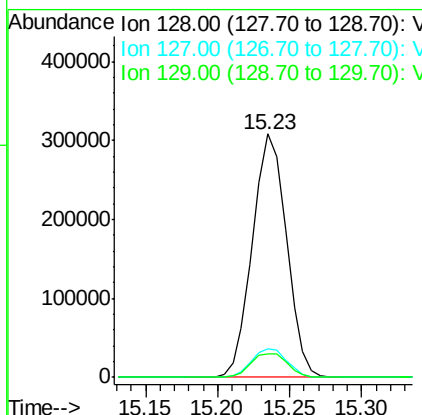
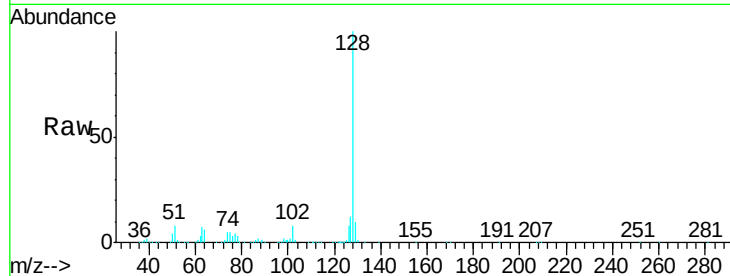
#95
Naphthalene
Concen: 51.200 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VY000567.D
Acq: 07 Nov 2019 09:49

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	504737		
127	12.1	9.8	14.6	
129	10.7	8.7	13.1	

Manual Integrations
APPROVED

MMDadoda
11/8/2019 4:07:29 PM



#96
1,2,3-Trichlorobenzene
Concen: 50.591 ug/l
RT: 15.42 min Scan# 2245
Delta R.T. 0.01 min
Lab File: VY000567.D
Acq: 07 Nov 2019 09:49

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	201557		
182	95.8	47.4	142.3	
145	32.4	15.7	47.0	

