

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY111519\
 Data File : VY000692.D
 Acq On : 15 Nov 2019 11:54
 Operator : SY/MD
 Sample : VY1115SBS01
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1115SBS01

Manual Integrations
 APPROVED

MMDadoda
 11/18/2019 3:24:20 PM

Quant Time: Nov 16 02:43:44 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	212746	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	354576	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	320226	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	154978	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	119206	54.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.28%	
35) Dibromofluoromethane	7.73	113	104258	50.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.18%	
50) Toluene-d8	10.18	98	428210	54.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.42%	
62) 4-Bromofluorobenzene	12.48	95	152222	50.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.24%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.90	85	41647	19.886	ug/l	96
3) Chloromethane	2.12	50	59589	20.655	ug/l	96
4) Vinyl Chloride	2.25	62	54481	20.336	ug/l	98
5) Bromomethane	2.63	94	48821	30.389	ug/l	97
6) Chloroethane	2.79	64	36556	21.802	ug/l	96
7) Trichlorofluoromethane	3.12	101	80947	22.373	ug/l	98
8) Diethyl Ether	3.54	74	26153	20.344	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.90	101	46639	21.322	ug/l	96
10) Methyl Iodide	4.10	142	31206	13.345	ug/l	98
11) Tert butyl alcohol	4.97	59	22296	104.033	ug/l	98
12) 1,1-Dichloroethene	3.88	96	45464	21.394	ug/l	95
13) Acrolein	3.74	56	14685	78.663	ug/l	94
14) Allyl chloride	4.49	41	77626	22.464	ug/l	98
15) Acrylonitrile	5.17	53	74194	112.662	ug/l	97
16) Acetone	3.96	43	58059	95.681	ug/l	96
17) Carbon Disulfide	4.20	76	135151	20.164	ug/l	99
18) Methyl Acetate	4.49	43	40413	21.419	ug/l	100
19) Methyl tert-butyl Ether	5.23	73	125454	21.233	ug/l	97
20) Methylene Chloride	4.72	84	61310	23.580	ug/l	98
21) trans-1,2-Dichloroethene	5.23	96	51960	21.628	ug/l	95
22) Diisopropyl ether	6.13	45	163951	21.829	ug/l	98
23) Vinyl Acetate	6.07	43	518457	109.352	ug/l	99
24) 1,1-Dichloroethane	6.04	63	86971	21.375	ug/l	98
25) 2-Butanone	7.00	43	97237	100.409	ug/l	100
26) 2,2-Dichloropropane	6.99	77	77777	20.917	ug/l	99
27) cis-1,2-Dichloroethene	7.00	96	55825	21.250	ug/l	97
28) Bromochloromethane	7.34	49	23443	15.692	ug/l	91
29) Tetrahydrofuran	7.36	42	63721	107.557	ug/l	99
30) Chloroform	7.52	83	93304	22.668	ug/l	97
31) Cyclohexane	7.79	56	89768	21.064	ug/l	# 95
32) 1,1,1-Trichloroethane	7.71	97	78784	21.476	ug/l	99
36) 1,1-Dichloropropene	7.93	75	71236	21.252	ug/l	99
37) Ethyl Acetate	7.09	43	40805	20.504	ug/l	98
38) Carbon Tetrachloride	7.91	117	69670	21.601	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY111519\
 Data File : VY000692.D
 Acq On : 15 Nov 2019 11:54
 Operator : SY/MD
 Sample : VY1115SBS01
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleID :
 VY1115SBS01

Manual Integrations
 APPROVED

MMDadoda
 11/18/2019 3:24:20 PM

Quant Time: Nov 16 02:43:44 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	91571	21.145	ug/l	96
40) Benzene	8.17	78	208069	21.173	ug/l	100
41) Methacrylonitrile	7.32	41	21315m	19.199	ug/l	
42) 1,2-Dichloroethane	8.25	62	60747	21.794	ug/l	99
43) Isopropyl Acetate	8.28	43	80656	21.575	ug/l	97
44) Trichloroethene	8.95	130	56646	21.862	ug/l	90
45) 1,2-Dichloropropane	9.22	63	52203	21.583	ug/l	96
46) Dibromomethane	9.31	93	28870	21.704	ug/l	99
47) Bromodichloromethane	9.50	83	68000	21.545	ug/l	99
48) Methyl methacrylate	9.30	41	36200	22.162	ug/l	96
49) 1,4-Dioxane	9.31	88	8541	477.092	ug/l	98
51) 4-Methyl-2-Pentanone	10.07	43	215319	108.331	ug/l	98
52) Toluene	10.24	92	134322	21.619	ug/l	97
53) t-1,3-Dichloropropene	10.47	75	71612	21.235	ug/l	94
54) cis-1,3-Dichloropropene	9.93	75	82420	21.333	ug/l	95
55) 1,1,2-Trichloroethane	10.64	97	41694	21.671	ug/l	91
56) Ethyl methacrylate	10.51	69	58030	21.281	ug/l	99
57) 1,3-Dichloropropane	10.79	76	73240	21.750	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	117879	95.620	ug/l	98
59) 2-Hexanone	10.83	43	144514	99.791	ug/l	98
60) Dibromochloromethane	10.99	129	44298	20.101	ug/l	99
61) 1,2-Dibromoethane	11.09	107	38840	20.996	ug/l	99
64) Tetrachloroethene	10.72	164	54655	20.641	ug/l	96
65) Chlorobenzene	11.52	112	138659	21.357	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.59	131	48761	21.655	ug/l	98
67) Ethyl Benzene	11.59	91	251486	21.047	ug/l	97
68) m/p-Xylenes	11.70	106	191409	41.388	ug/l	96
69) o-Xylene	12.03	106	94345	21.706	ug/l	94
70) Styrene	12.04	104	154146	20.711	ug/l	100
71) Bromoform	12.20	173	27310	21.087	ug/l #	98
73) Isopropylbenzene	12.33	105	247657	21.622	ug/l	99
74) N-amyl acetate	12.14	43	68222	20.797	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	50152	22.114	ug/l	98
76) 1,2,3-Trichloropropane	12.63	75	33417m	18.937	ug/l	
77) Bromobenzene	12.61	156	55679	21.436	ug/l	99
78) n-propylbenzene	12.67	91	302941	21.920	ug/l	100
79) 2-Chlorotoluene	12.75	91	167871	21.880	ug/l	97
80) 1,3,5-Trimethylbenzene	12.81	105	205404	21.532	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	16460	20.914	ug/l	97
82) 4-Chlorotoluene	12.85	91	173207	21.779	ug/l	97
83) tert-Butylbenzene	13.07	119	179349	22.019	ug/l	99
84) 1,2,4-Trimethylbenzene	13.11	105	211298	22.246	ug/l	98
85) sec-Butylbenzene	13.25	105	255727	22.037	ug/l	99
86) p-Isopropyltoluene	13.36	119	231015	22.336	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	108392	21.305	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	109785	21.595	ug/l	99
89) n-Butylbenzene	13.69	91	226495	22.203	ug/l	99
90) Hexachloroethane	13.95	117	39807	20.819	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	102312	22.165	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.35	75	8868	22.094	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY111519\
Data File : VY000692.D
Acq On : 15 Nov 2019 11:54
Operator : SY/MD
Sample : VY1115SBSD01
Misc : 5.00G/5ML/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1115SBSD01

Manual Integrations
APPROVED

MMDadoda
11/18/2019 3:24:20 PM

Quant Time: Nov 16 02:43:44 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)
93) 1,2,4-Trichlorobenzene	15.00	180	70186	22.331	ug/l	99
94) Hexachlorobutadiene	15.11	225	35029	21.621	ug/l	98
95) Naphthalene	15.23	128	148900	21.341	ug/l	98
96) 1,2,3-Trichlorobenzene	15.42	180	63693	22.588	ug/l	98

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

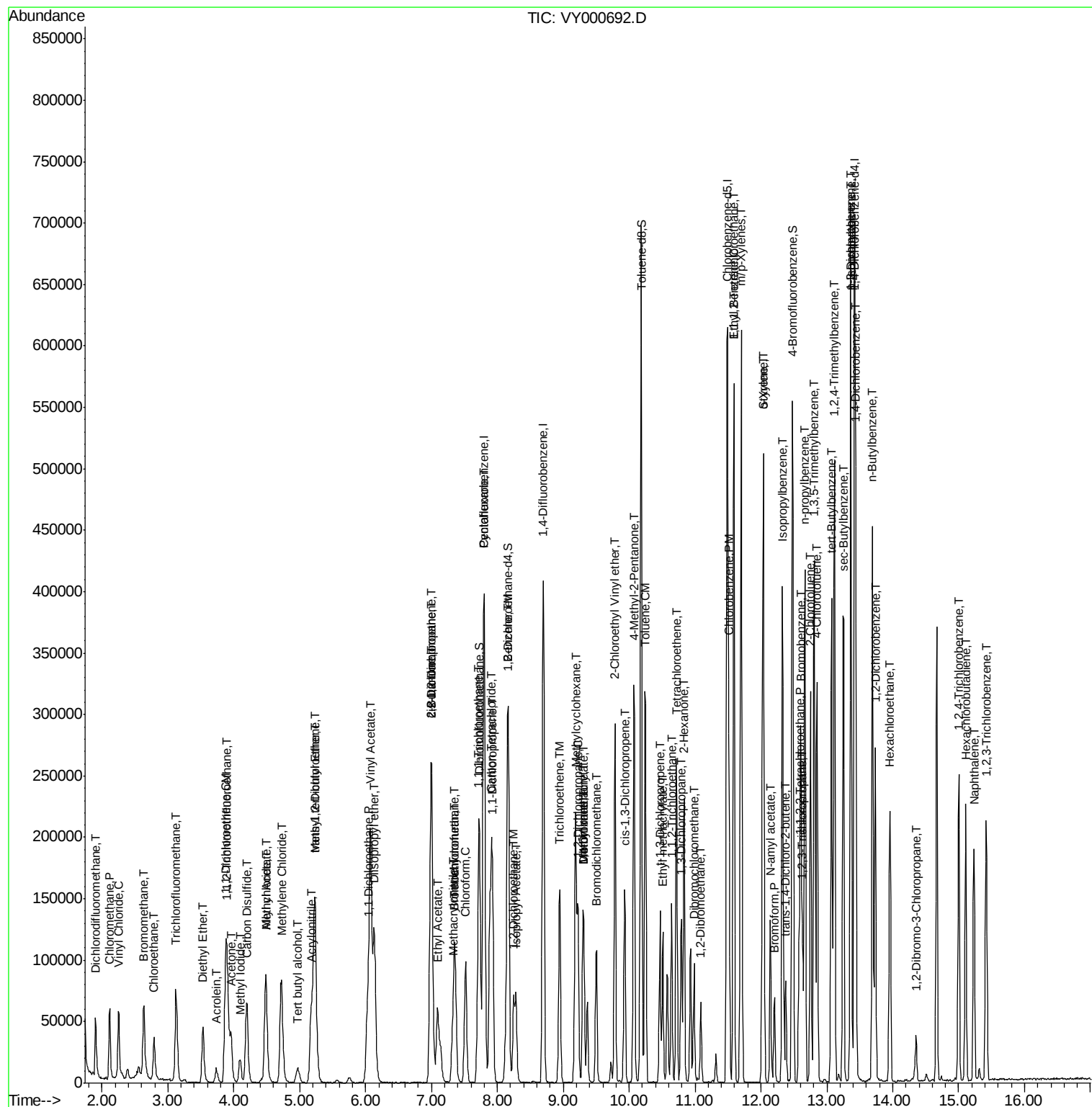
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_Y\DATA\VY111519\
Data File : VY000692.D
Acq On : 15 Nov 2019 11:54
Operator : SY/MD
Sample : VY1115SBSD01
Misc : 5.00G/5ML/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

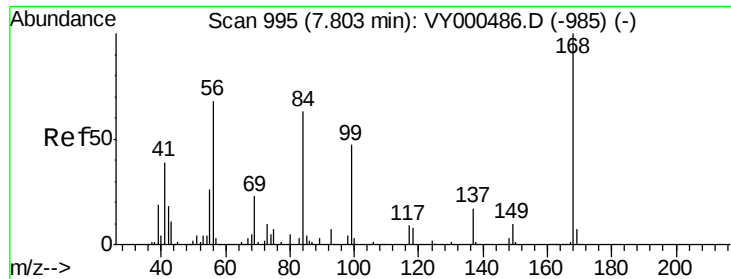
Instrument :
MSVOA_Y
Client Sample Id :
VY1115SBSD01

Manual Integrations
APPROVED

MMDadoda
11/18/2019 3:24:20 PM

Quant Time: Nov 16 02:43:44 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: VY000692.D

Acq: 15 Nov 2019 11:54

Instrument :

MSVOA_Y

ClientSampleId :

VY1115SBS01

Tgt Ion:168 Resp: 212746

Ion Ratio Lower Upper

168 100

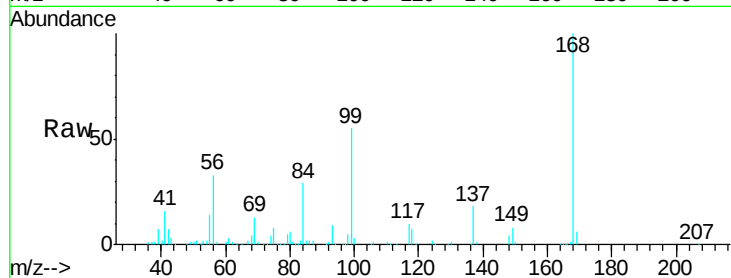
99 55.4 45.7 68.5

Manual Integrations

APPROVED

MMDadoda

11/18/2019 3:24:20 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

100000

80000

60000

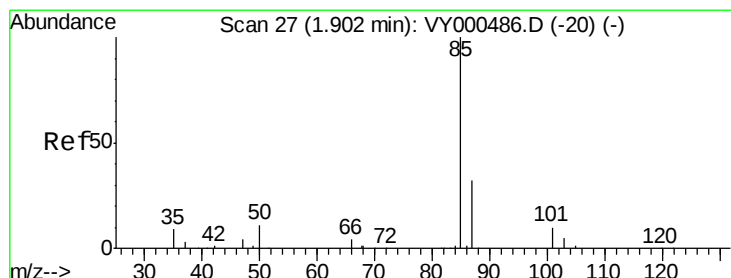
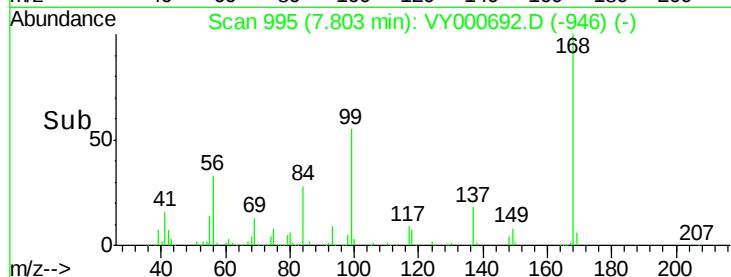
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 19.886 ug/l

RT: 1.90 min Scan# 27

Delta R.T. 0.00 min

Lab File: VY000692.D

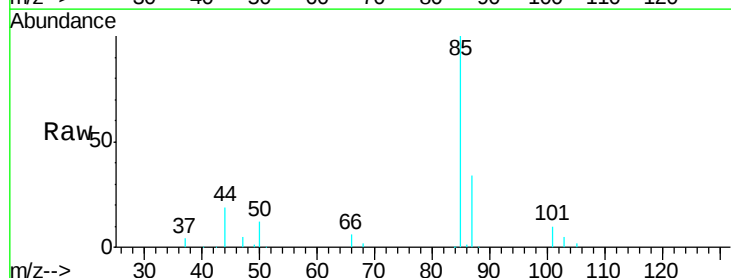
Acq: 15 Nov 2019 11:54

Tgt Ion: 85 Resp: 41647

Ion Ratio Lower Upper

85 100

87 34.3 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

30000

25000

20000

15000

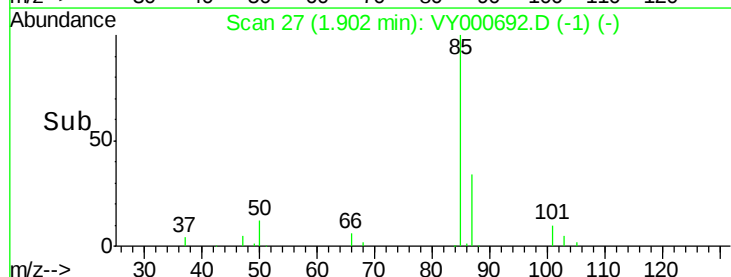
10000

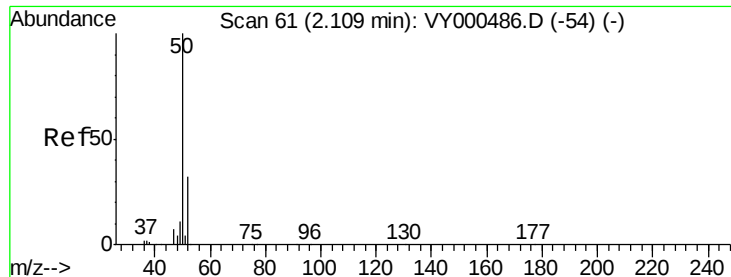
5000

0

1.80 1.85 1.90 1.95 2.00

Time-->





#3

Chloromethane

Concen: 20.655 ug/l

RT: 2.12 min Scan# 62

Delta R.T. 0.01 min

Lab File: VY000692.D

Acq: 15 Nov 2019 11:54

Instrument :

MSVOA_Y

ClientSampleId :

VY1115SBS01

Tgt Ion: 50 Resp: 59589

Ion Ratio Lower Upper

50 100

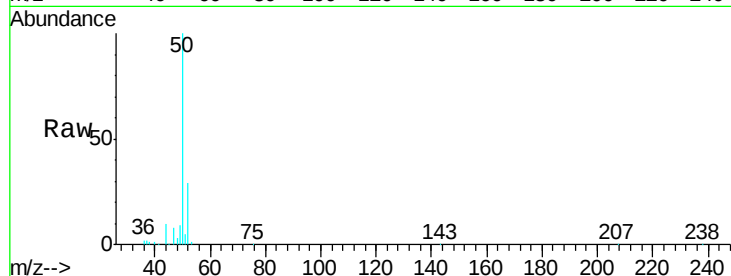
52 29.5 25.2 37.8

Manual Integrations

APPROVED

MMDadoda

11/18/2019 3:24:20 PM



Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0

2.12

40000

30000

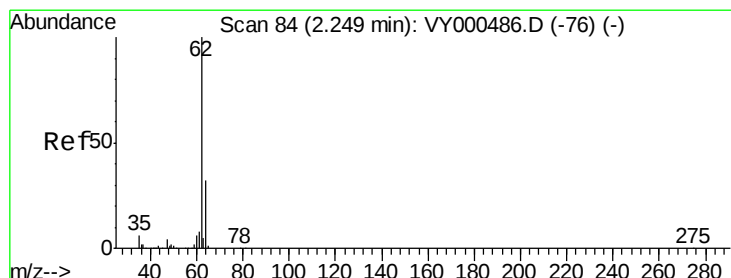
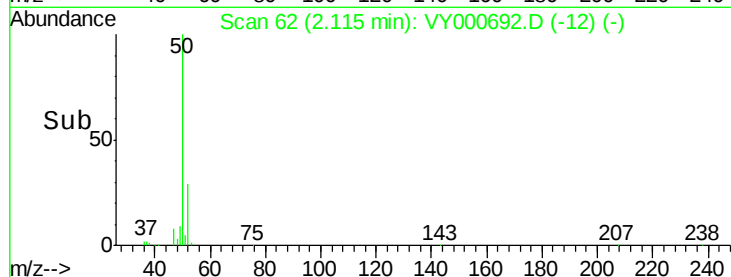
20000

10000

0

Time-->

2.05 2.10 2.15 2.20



#4

Vinyl Chloride

Concen: 20.336 ug/l

RT: 2.25 min Scan# 84

Delta R.T. 0.00 min

Lab File: VY000692.D

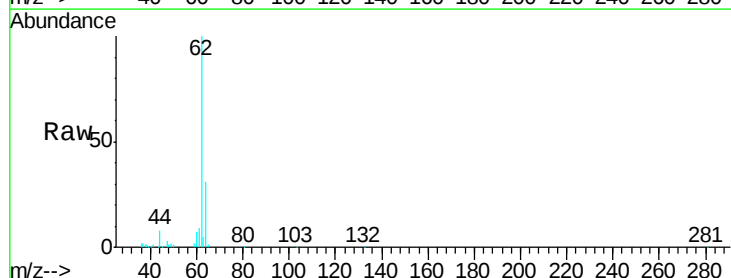
Acq: 15 Nov 2019 11:54

Tgt Ion: 62 Resp: 54481

Ion Ratio Lower Upper

62 100

64 30.5 25.2 37.8



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0

2.25

30000

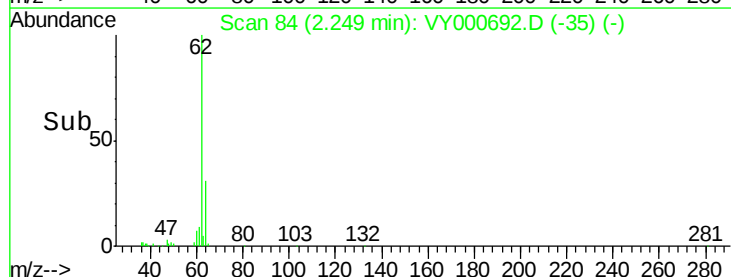
20000

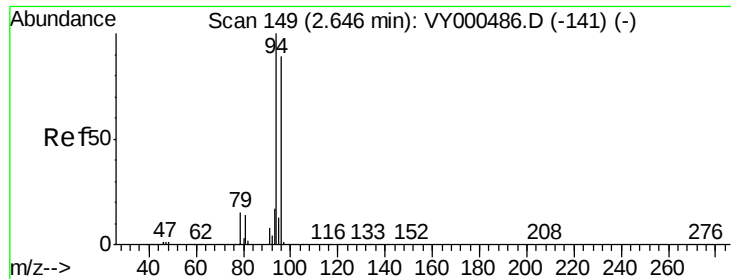
10000

0

Time-->

2.20 2.25 2.30 2.35





#5

Bromomethane

Concen: 30.389 ug/l

RT: 2.63 min Scan# 147

Delta R.T. -0.01 min

Lab File: VY000692.D

Acq: 15 Nov 2019 11:54

Instrument :

MSVOA_Y

ClientSampleId :

VY1115SBS01

Tgt Ion: 94 Resp: 48821

Ion Ratio Lower Upper

94 100

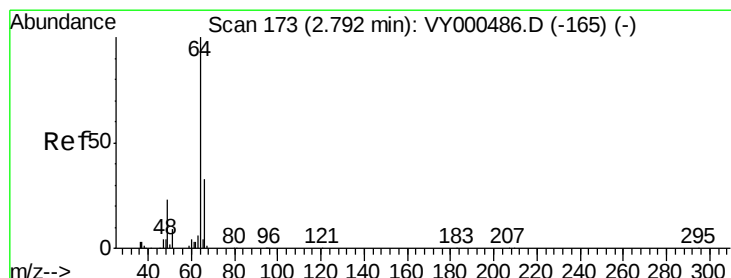
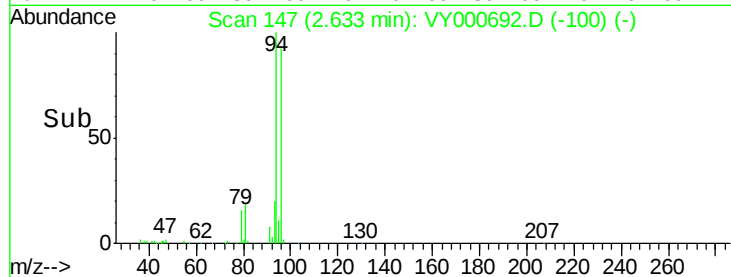
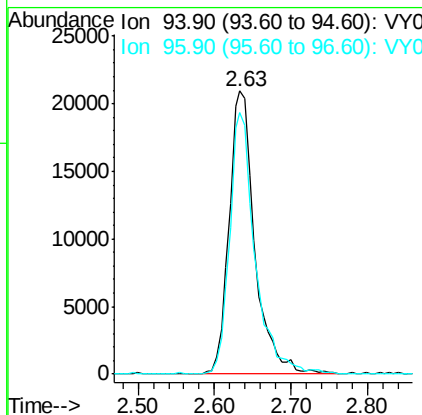
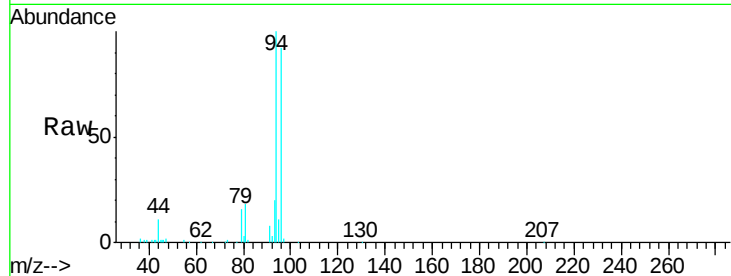
96 92.2 71.2 106.8

Manual Integrations

APPROVED

MMDadoda

11/18/2019 3:24:20 PM



#6

Chloroethane

Concen: 21.802 ug/l

RT: 2.79 min Scan# 172

Delta R.T. -0.01 min

Lab File: VY000692.D

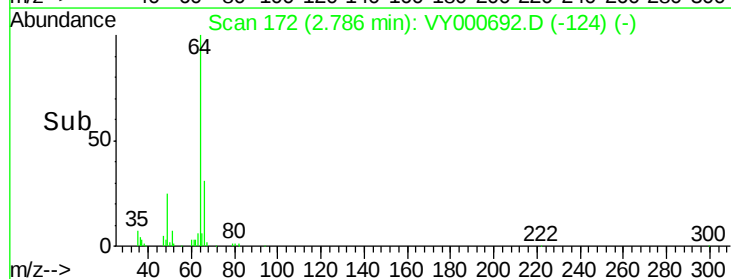
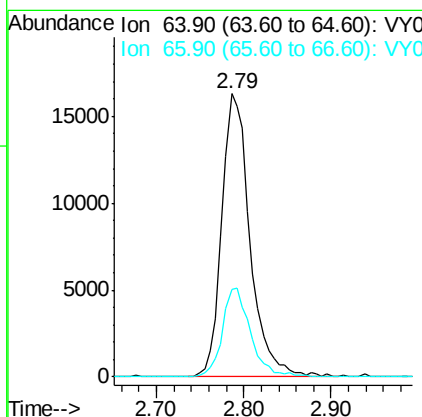
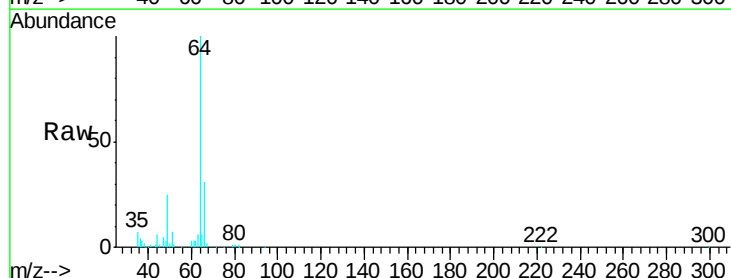
Acq: 15 Nov 2019 11:54

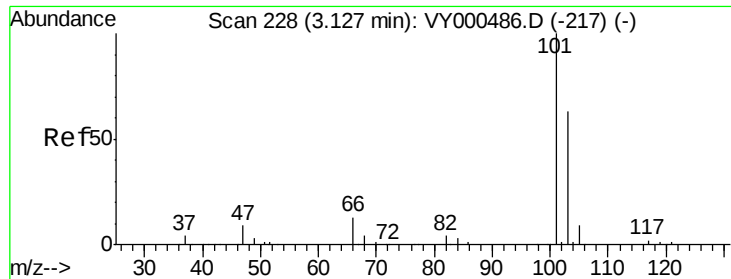
Tgt Ion: 64 Resp: 36556

Ion Ratio Lower Upper

64 100

66 30.8 26.6 40.0





#7

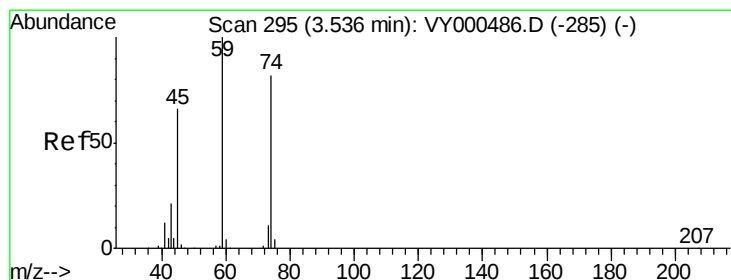
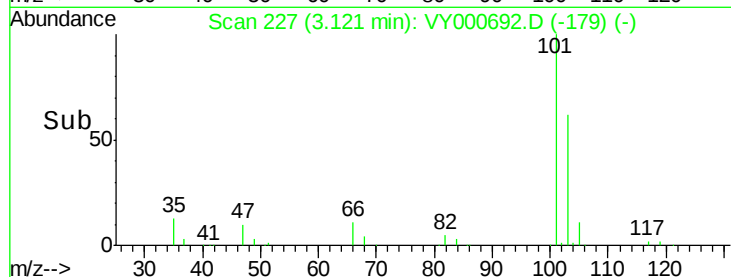
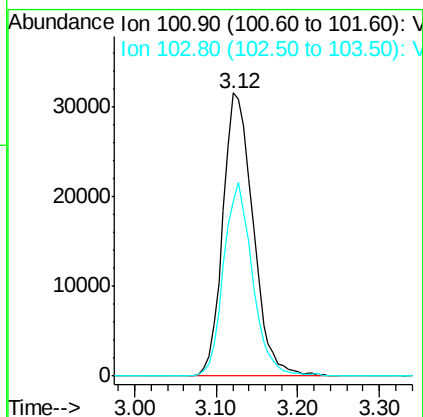
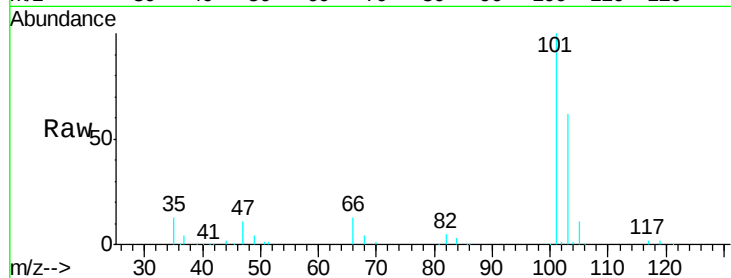
Trichlorofluoromethane
 Concen: 22.373 ug/l
 RT: 3.12 min Scan# 227
 Delta R.T. -0.01 min
 Lab File: VY000692.D
 Acq: 15 Nov 2019 11:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1115SBS01

Tgt Ion	Ratio	Lower	Upper
101	100		
103	61.6	50.5	75.7

Manual Integrations
 APPROVED

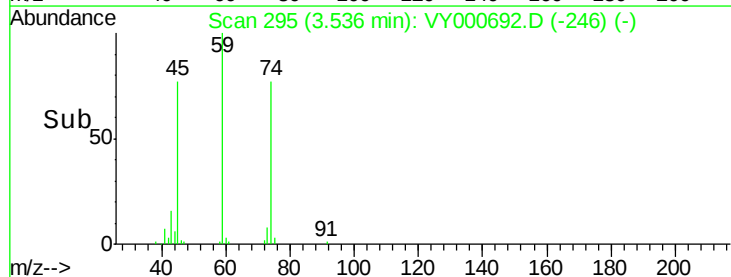
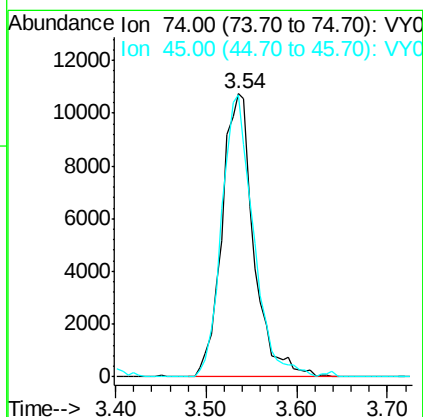
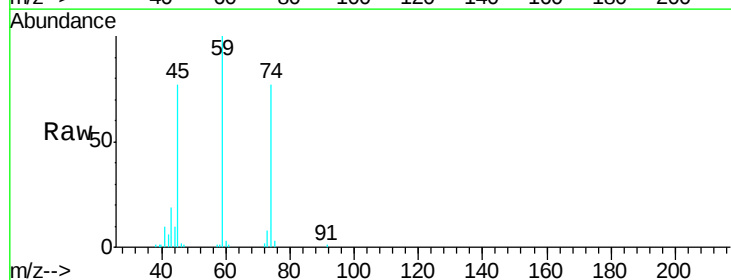
MMDadoda
 11/18/2019 3:24:20 PM

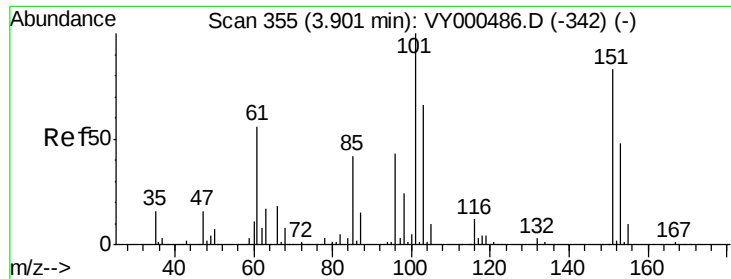


#8

Diethyl Ether
 Concen: 20.344 ug/l
 RT: 3.54 min Scan# 295
 Delta R.T. 0.00 min
 Lab File: VY000692.D
 Acq: 15 Nov 2019 11:54

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.5	45.5	136.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.322 ug/l

RT: 3.90 min Scan# 355

Delta R.T. 0.00 min

Lab File: VY000692.D

Acq: 15 Nov 2019 11:54

Instrument :

MSVOA_Y

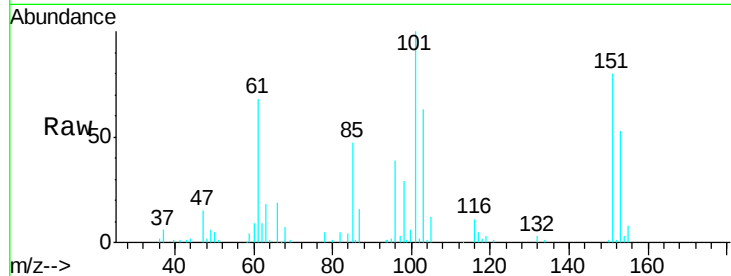
ClientSampleId :

VY1115SBS01

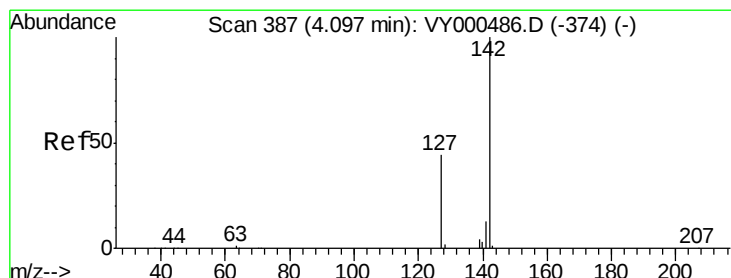
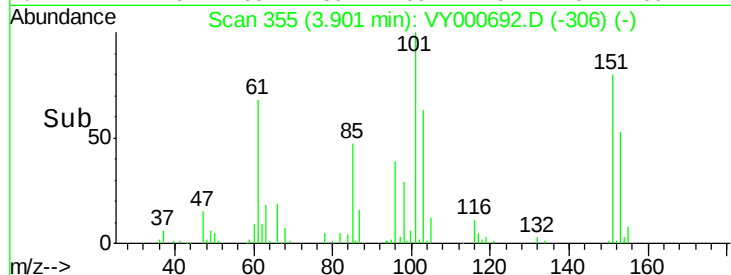
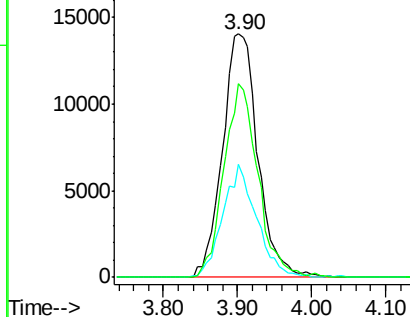
Tgt Ion:	101	Resp:	46639
Ion Ratio	Lower	Upper	
101	100		
85	44.2	36.7	55.1
151	76.0	64.3	96.5

Manual Integrations
APPROVED

MMDadoda
11/18/2019 3:24:20 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: 13.345 ug/l

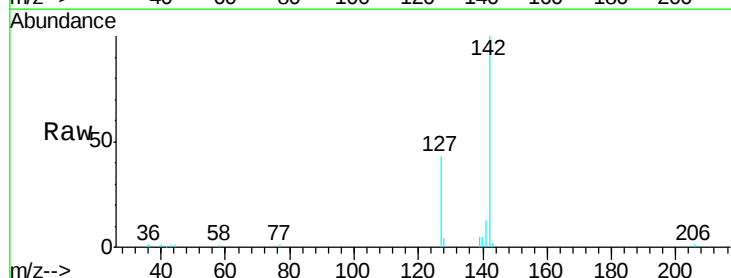
RT: 4.10 min Scan# 387

Delta R.T. 0.00 min

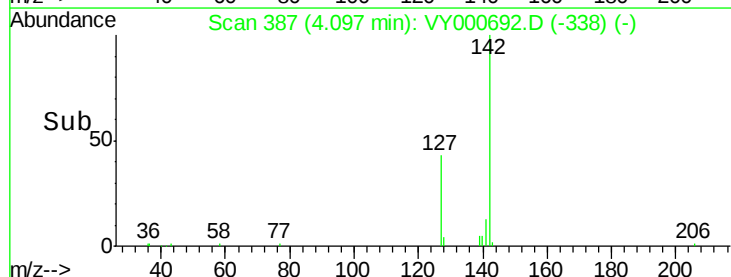
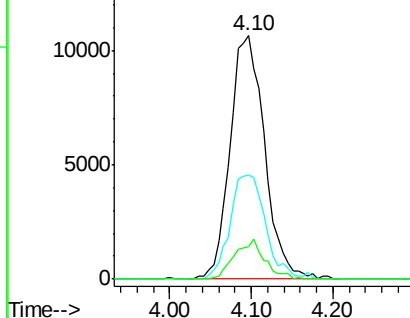
Lab File: VY000692.D

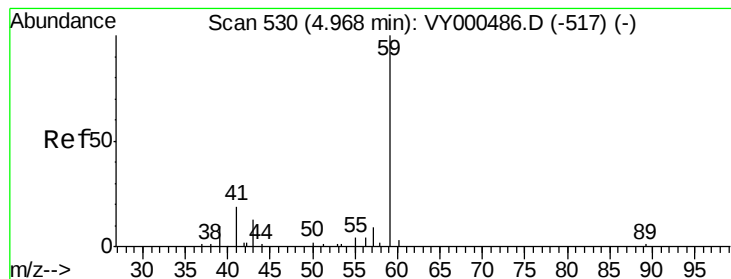
Acq: 15 Nov 2019 11:54

Tgt Ion:	142	Resp:	31206
Ion Ratio	Lower	Upper	
142	100		
127	43.7	33.7	50.5
141	14.2	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

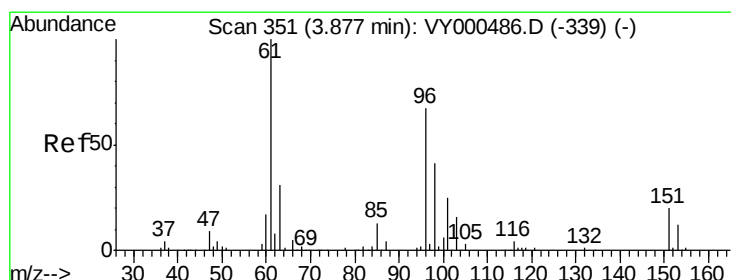
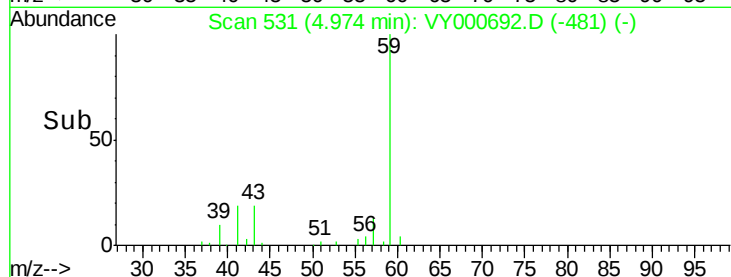
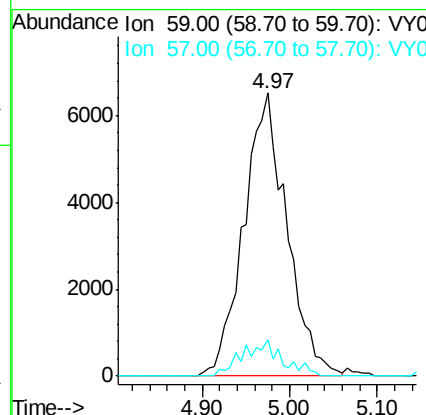
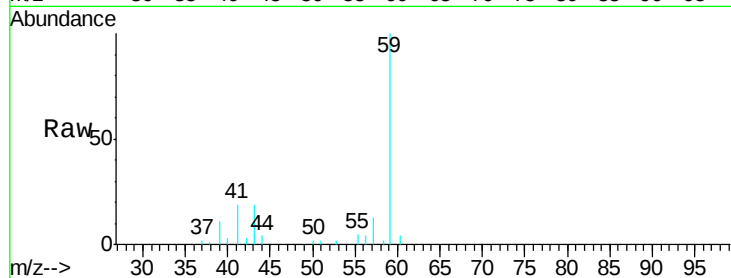
Tert butyl alcohol
Concen: 104.033 ug/l
RT: 4.97 min Scan# 531
Delta R.T. 0.01 min
Lab File: VY000692.D
Acq: 15 Nov 2019 11:54

Instrument :
MSVOA_Y
ClientSampleId :
VY1115SBS01

Tgt Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.6	12.8

Manual Integrations
APPROVED

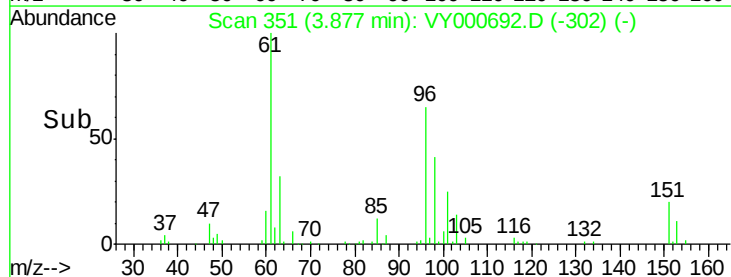
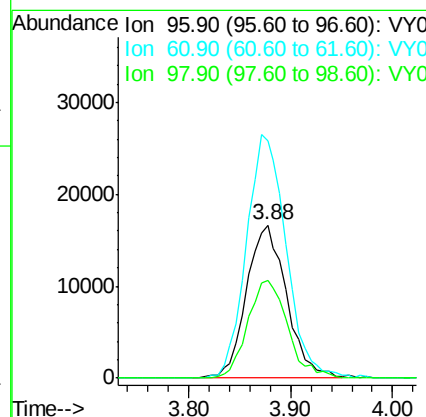
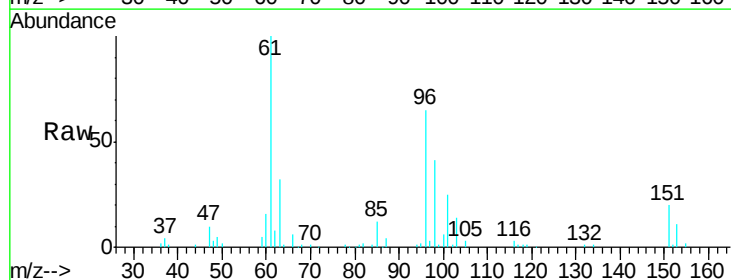
MMDadoda
11/18/2019 3:24:20 PM

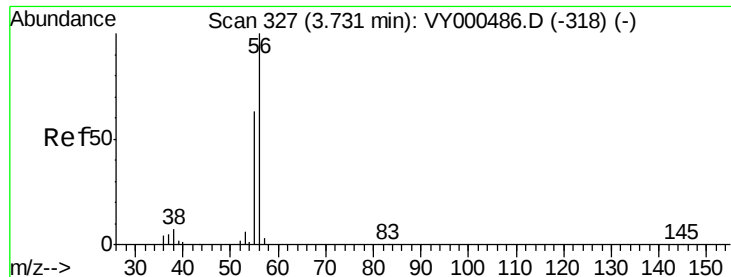


#12

1,1-Dichloroethene
Concen: 21.394 ug/l
RT: 3.88 min Scan# 351
Delta R.T. 0.00 min
Lab File: VY000692.D
Acq: 15 Nov 2019 11:54

Tgt Ion	Ratio	Lower	Upper
96	100		
61	154.9	119.2	178.8
98	64.1	48.6	73.0





#13

Acrolein

Concen: 78.663 ug/l

RT: 3.74 min Scan# 328

Delta R.T. 0.01 min

Lab File: VY000692.D

Acq: 15 Nov 2019 11:54

Instrument :

MSVOA_Y

ClientSampleId :

VY1115SBS01

Tgt Ion: 56 Resp: 14685

Ion Ratio Lower Upper

56 100

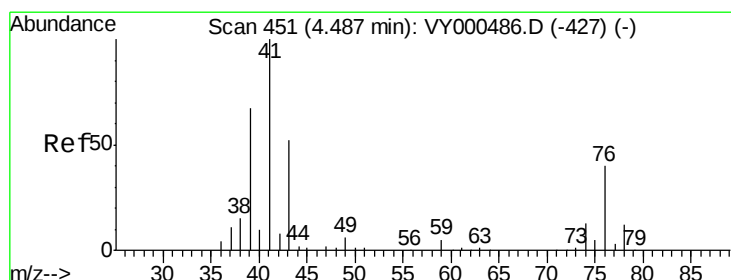
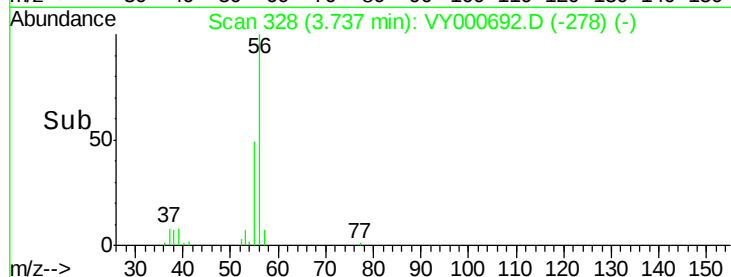
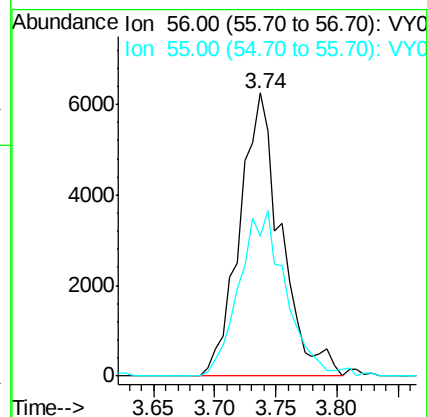
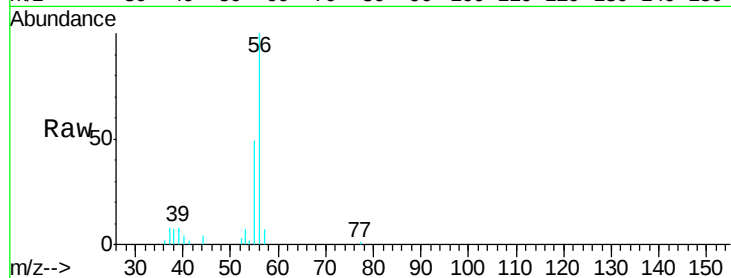
55 66.2 57.0 85.6

Manual Integrations

APPROVED

MMDadoda

11/18/2019 3:24:20 PM



#14

Allyl chloride

Concen: 22.464 ug/l

RT: 4.49 min Scan# 451

Delta R.T. 0.00 min

Lab File: VY000692.D

Acq: 15 Nov 2019 11:54

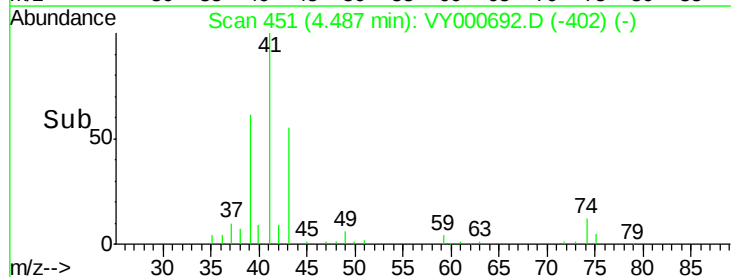
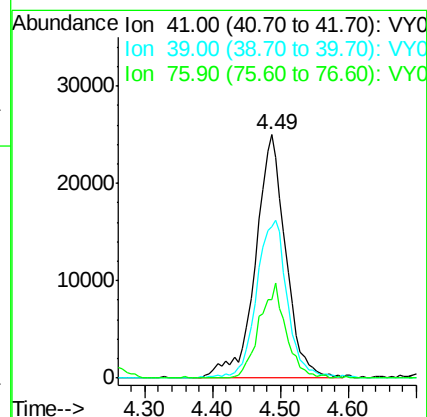
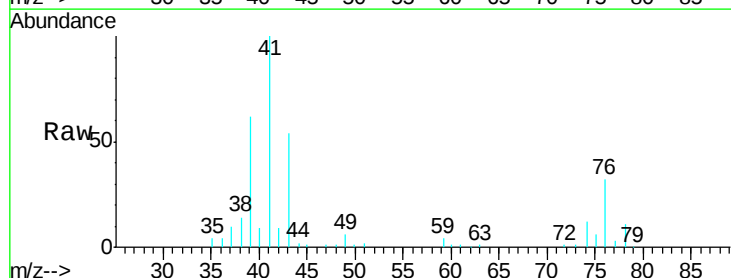
Tgt Ion: 41 Resp: 77626

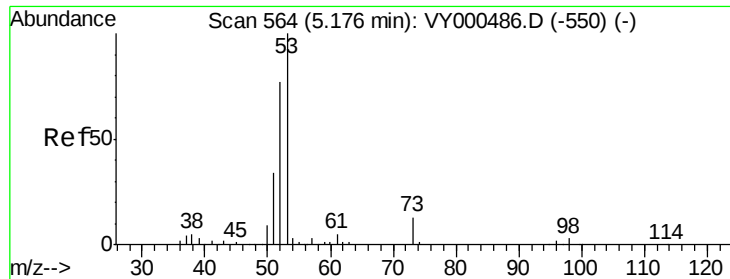
Ion Ratio Lower Upper

41 100

39 66.2 53.6 80.4

76 34.5 29.8 44.6





#15

Acrylonitrile

Concen: 112.662 ug/l

RT: 5.17 min Scan# 563

Delta R.T. -0.01 min

Lab File: VY000692.D

Acq: 15 Nov 2019 11:54

Instrument :

MSVOA_Y

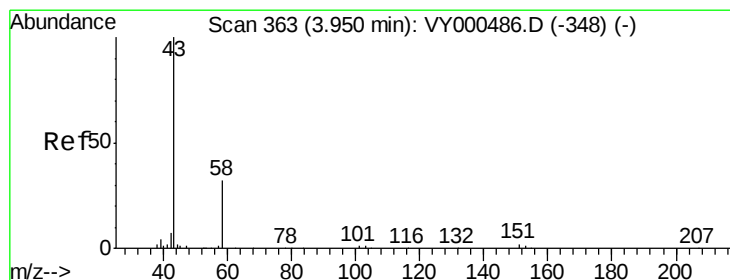
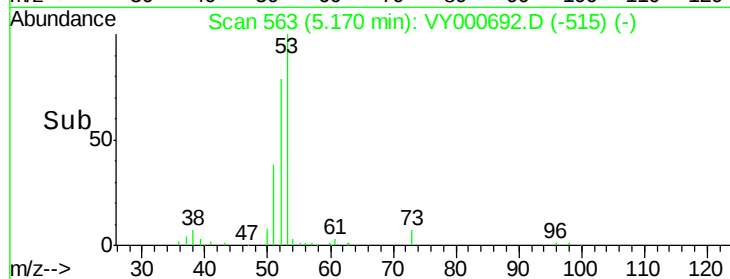
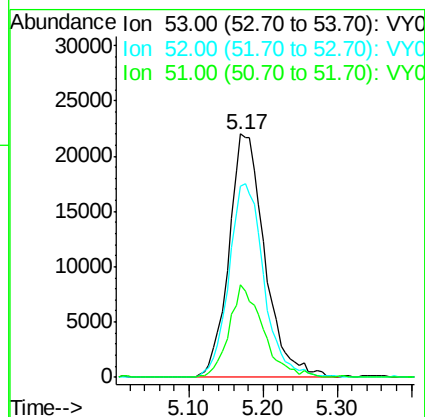
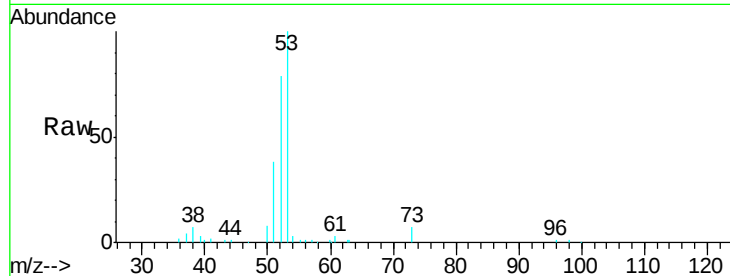
ClientSampleId :

VY1115SBS01

Tgt Ion:	53	Resp:	74194
Ion	Ratio	Lower	Upper
53	100		
52	77.7	64.9	97.3
51	35.3	27.6	41.4

Manual Integrations
APPROVED

MMDadoda
11/18/2019 3:24:20 PM



#16

Acetone

Concen: 95.681 ug/l

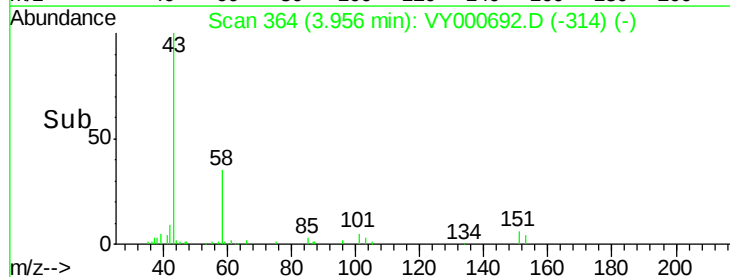
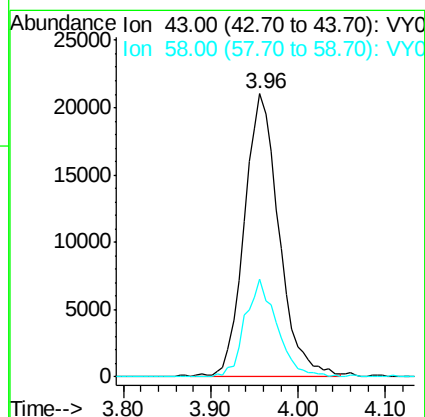
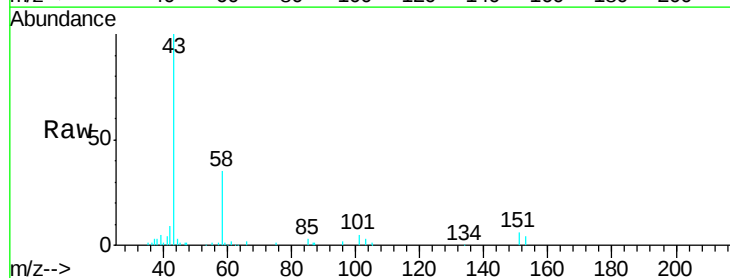
RT: 3.96 min Scan# 364

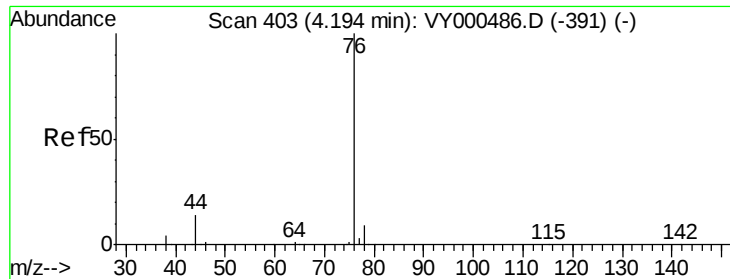
Delta R.T. 0.01 min

Lab File: VY000692.D

Acq: 15 Nov 2019 11:54

Tgt Ion:	43	Resp:	58059
Ion	Ratio	Lower	Upper
43	100		
58	34.7	25.8	38.6





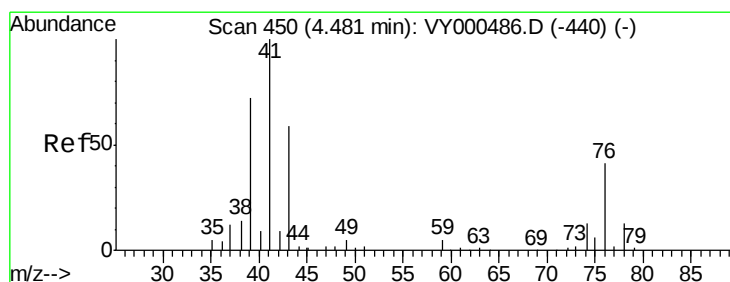
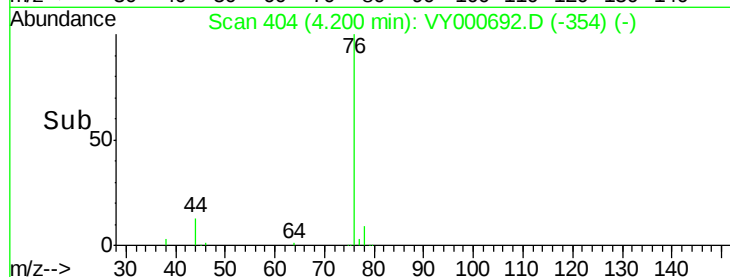
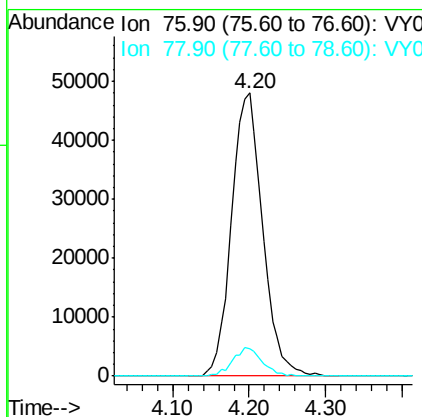
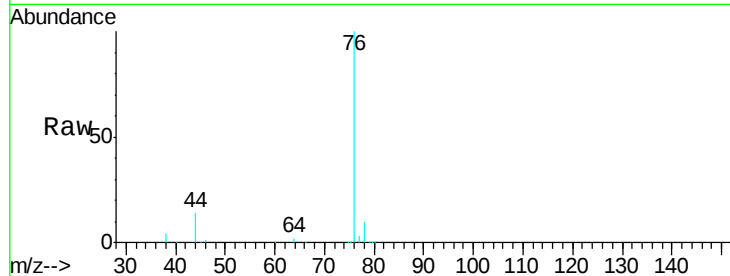
#17
Carbon Disulfide
Concen: 20.164 ug/l
RT: 4.20 min Scan# 404
Delta R.T. 0.01 min
Lab File: VY000692.D
Acq: 15 Nov 2019 11:54

Instrument :
MSVOA_Y
ClientSampleId :
VY1115SBS01

Tgt Ion	Ratio	Lower	Upper
76	100		
78	9.8	7.5	11.3

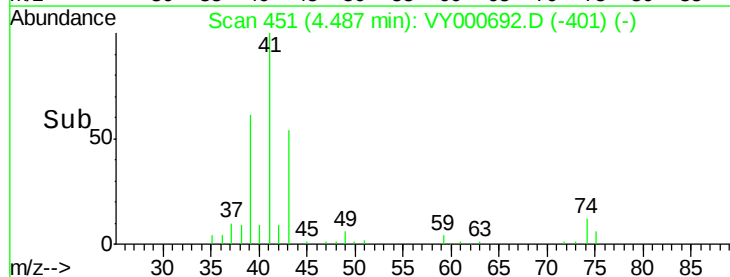
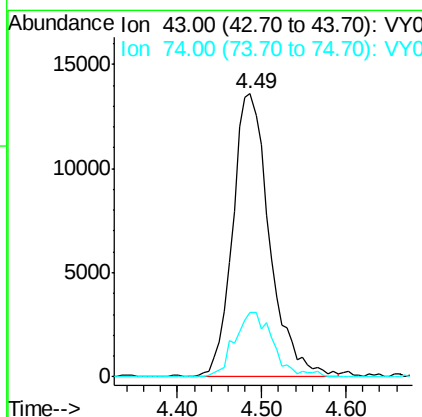
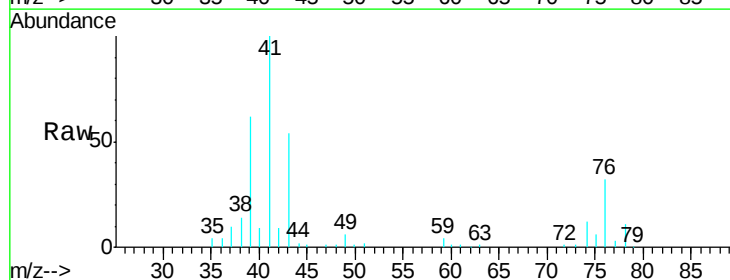
Manual Integrations
APPROVED

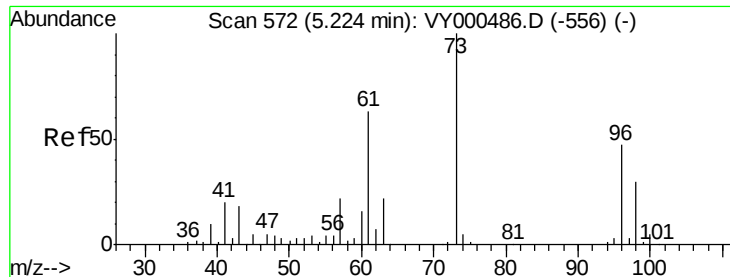
MMDadoda
11/18/2019 3:24:20 PM



#18
Methyl Acetate
Concen: 21.419 ug/l
RT: 4.49 min Scan# 451
Delta R.T. 0.01 min
Lab File: VY000692.D
Acq: 15 Nov 2019 11:54

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.8	19.2	28.8





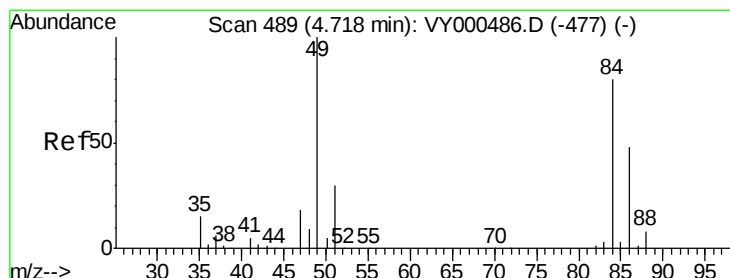
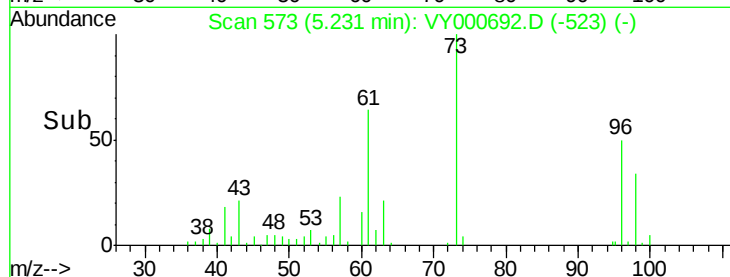
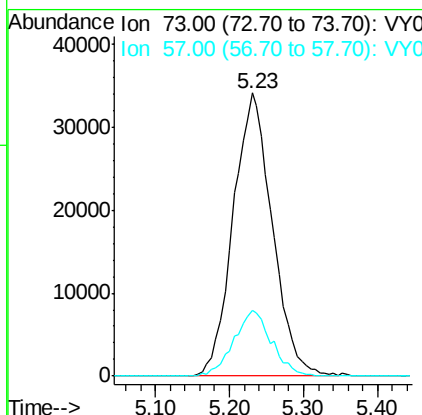
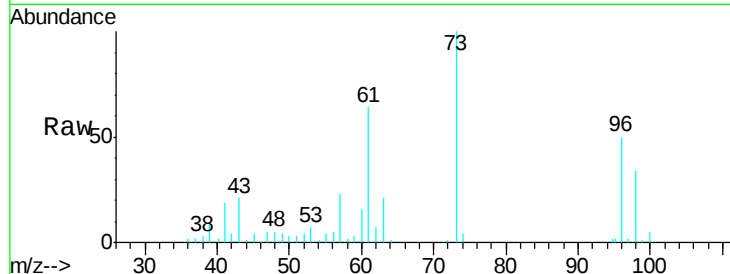
#19
Methyl tert-butyl Ether
Concen: 21.233 ug/l
RT: 5.23 min Scan# 573
Delta R.T. 0.01 min
Lab File: VY000692.D
Acq: 15 Nov 2019 11:54

Instrument :
MSVOA_Y
ClientSampleId :
VY1115SBS01

Tgt Ion: 73 Resp: 125454
Ion Ratio Lower Upper
73 100
57 23.2 17.4 26.0

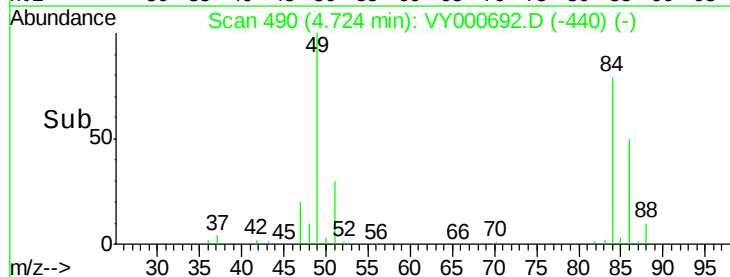
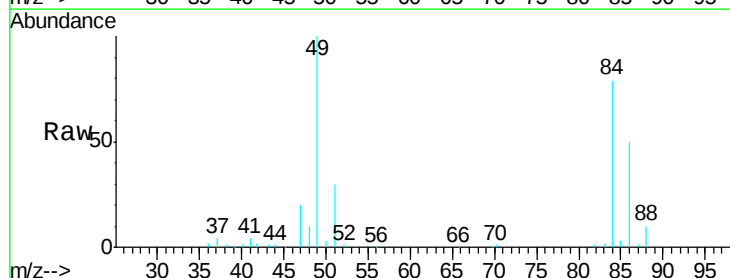
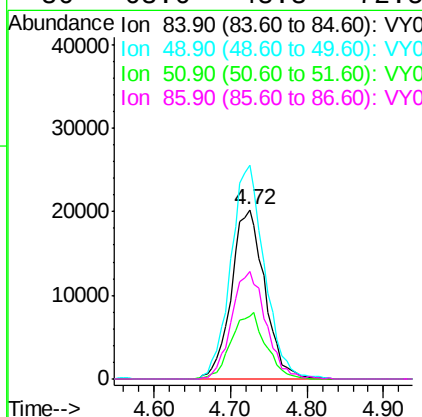
Manual Integrations
APPROVED

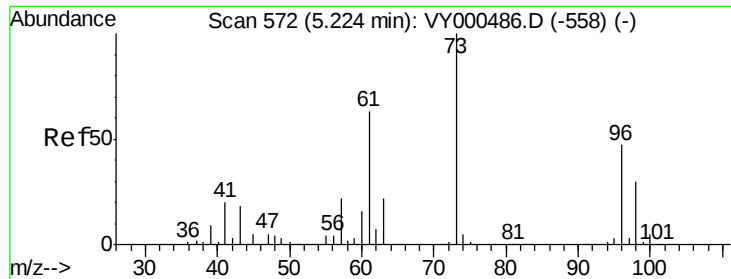
MMDadoda
11/18/2019 3:24:20 PM



#20
Methylene Chloride
Concen: 23.580 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.01 min
Lab File: VY000692.D
Acq: 15 Nov 2019 11:54

Tgt Ion: 84 Resp: 61310
Ion Ratio Lower Upper
84 100
49 126.2 100.2 150.4
51 37.4 29.6 44.4
86 63.6 48.3 72.5





#21

trans-1,2-Dichloroethene

Concen: 21.628 ug/l

RT: 5.23 min Scan# 573

Delta R.T. 0.01 min

Lab File: VY000692.D

Acq: 15 Nov 2019 11:54

Instrument :

MSVOA_Y

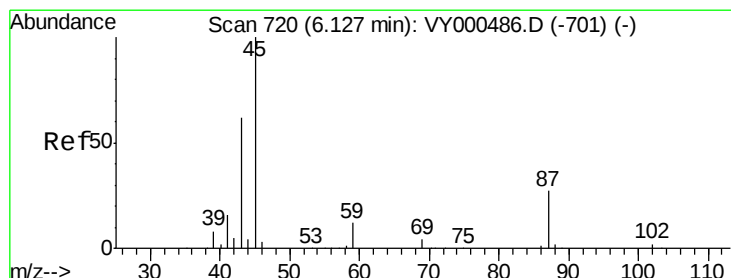
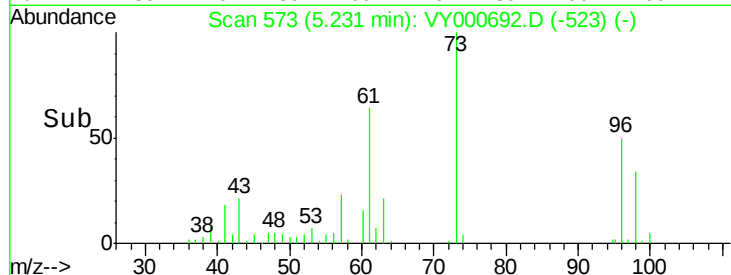
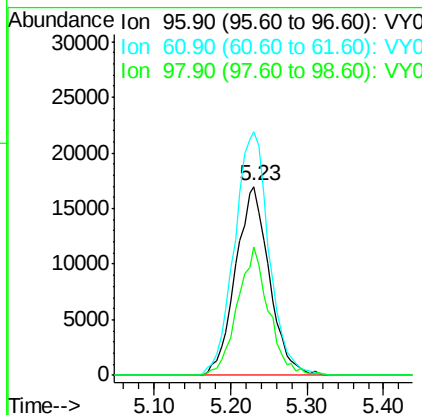
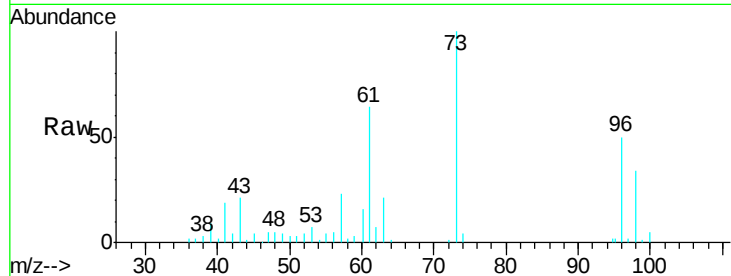
ClientSampleId :

VY1115SBS01

Tgt Ion:	96	Resp:	51960
Ion	Ratio	Lower	Upper
96	100		
61	129.0	106.6	160.0
98	68.3	50.6	76.0

Manual Integrations
APPROVED

MMDadoda
11/18/2019 3:24:20 PM



#22

Diisopropyl ether

Concen: 21.829 ug/l

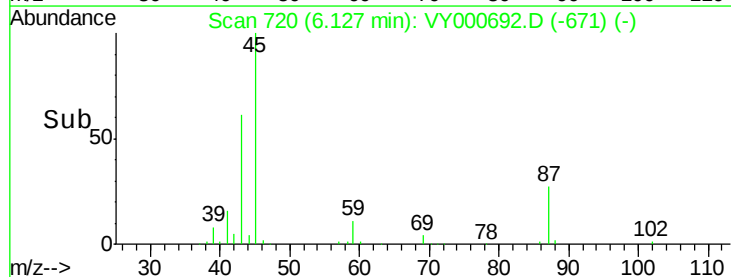
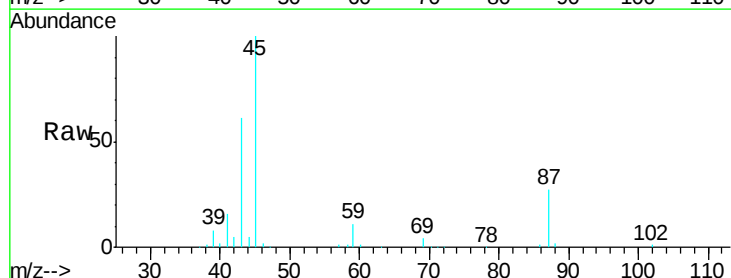
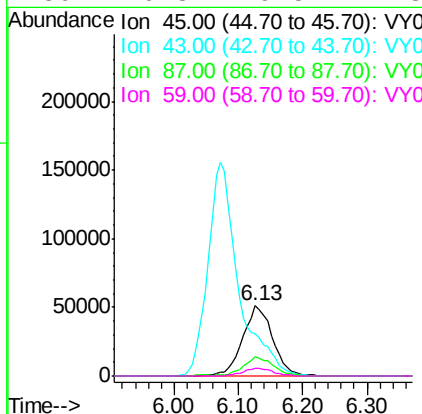
RT: 6.13 min Scan# 720

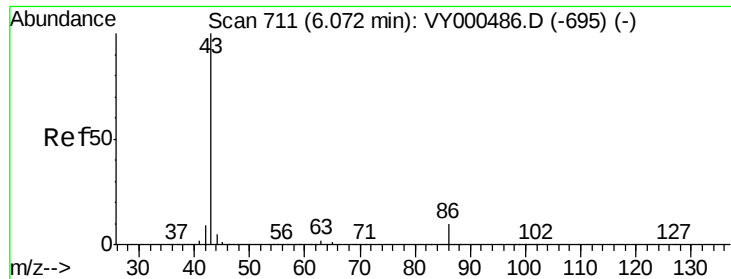
Delta R.T. 0.00 min

Lab File: VY000692.D

Acq: 15 Nov 2019 11:54

Tgt Ion:	45	Resp:	163951
Ion	Ratio	Lower	Upper
45	100		
43	60.1	50.0	75.0
87	26.7	21.6	32.4
59	10.8	9.5	14.3





#23

Vinyl Acetate

Concen: 109.352 ug/l

RT: 6.07 min Scan# 711

Delta R.T. 0.00 min

Lab File: VY000692.D

Acq: 15 Nov 2019 11:54

Instrument :

MSVOA_Y

ClientSampleId :

VY1115SBS01

Tgt Ion: 43 Resp: 518457

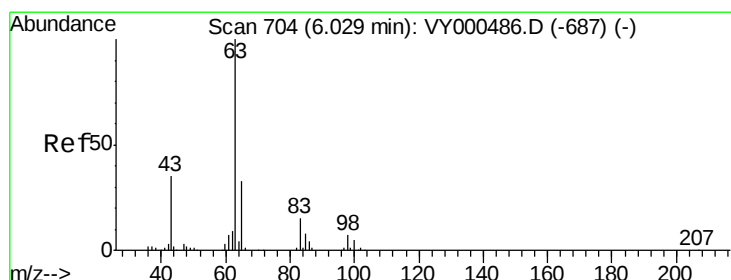
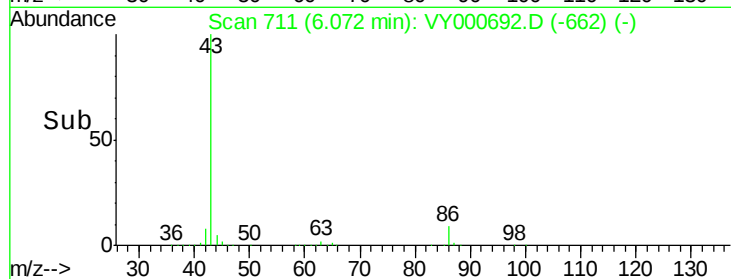
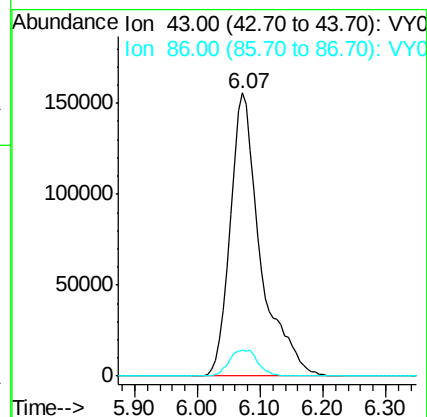
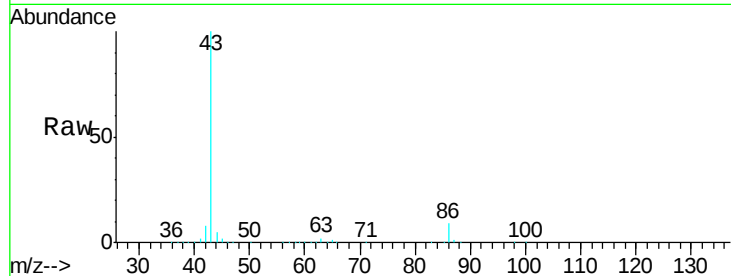
Ion Ratio Lower Upper

43 100

86 9.4 7.8 11.6

Manual Integrations
APPROVED

MMDadoda
11/18/2019 3:24:20 PM



#24

1,1-Dichloroethane

Concen: 21.375 ug/l

RT: 6.04 min Scan# 705

Delta R.T. 0.01 min

Lab File: VY000692.D

Acq: 15 Nov 2019 11:54

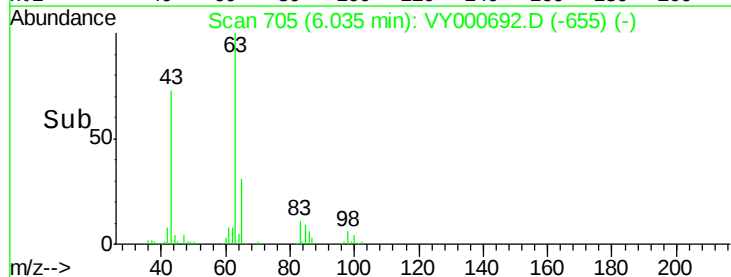
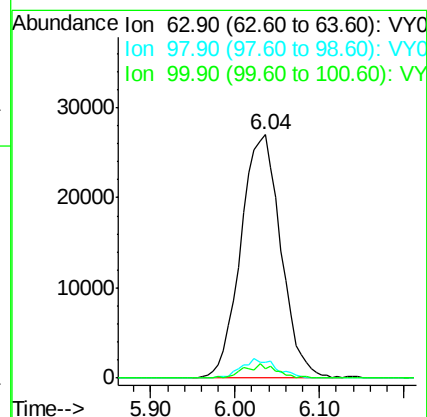
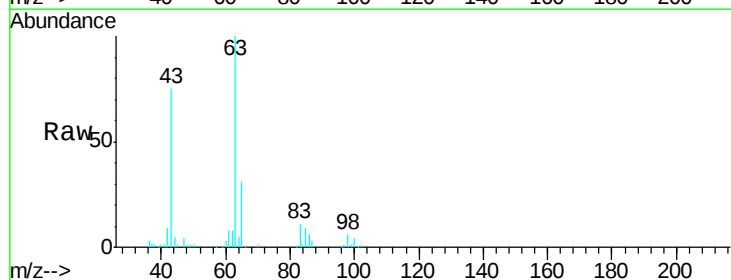
Tgt Ion: 63 Resp: 86971

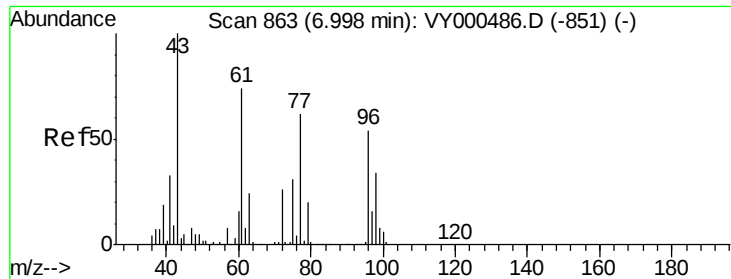
Ion Ratio Lower Upper

63 100

98 6.2 3.5 10.6

100 4.1 2.4 7.1





#25

2-Butanone

Concen: 100.409 ug/l

RT: 7.00 min Scan# 864

Delta R.T. 0.01 min

Lab File: VY000692.D

Acq: 15 Nov 2019 11:54

Instrument :

MSVOA_Y

ClientSampleId :

VY1115SBS01

Tgt Ion: 43 Resp: 97237

Ion Ratio Lower Upper

43 100

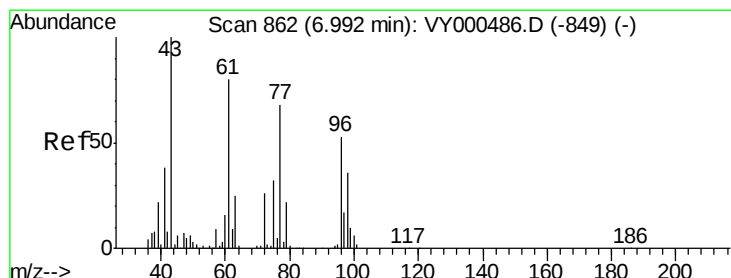
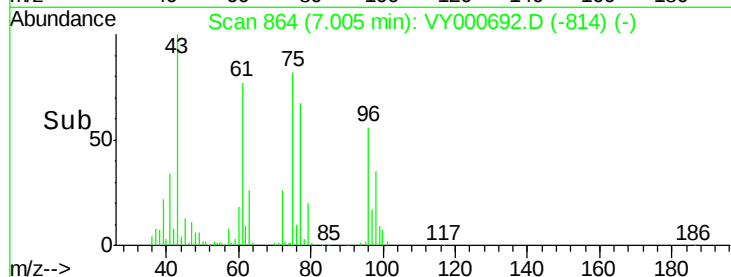
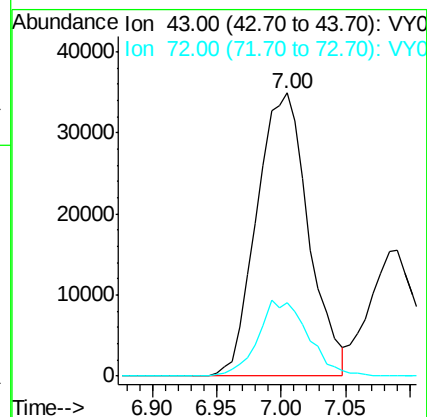
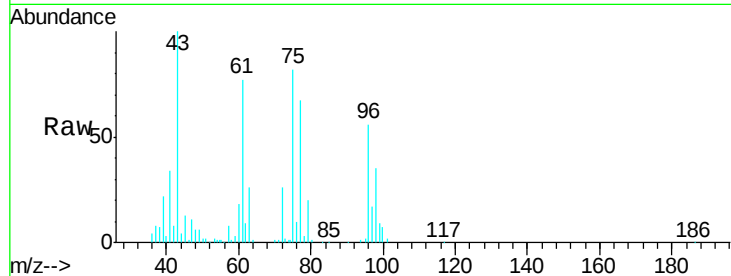
72 26.0 20.9 31.3

Manual Integrations

APPROVED

MMDadoda

11/18/2019 3:24:20 PM



#26

2,2-Dichloropropane

Concen: 20.917 ug/l

RT: 6.99 min Scan# 862

Delta R.T. 0.00 min

Lab File: VY000692.D

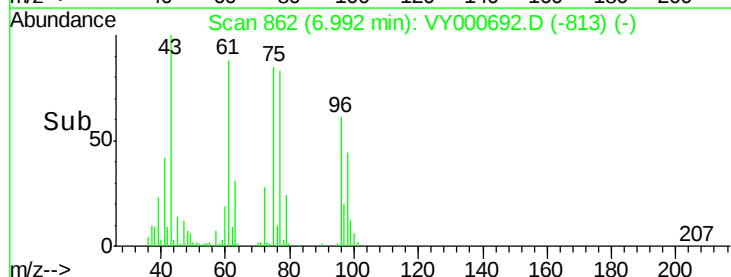
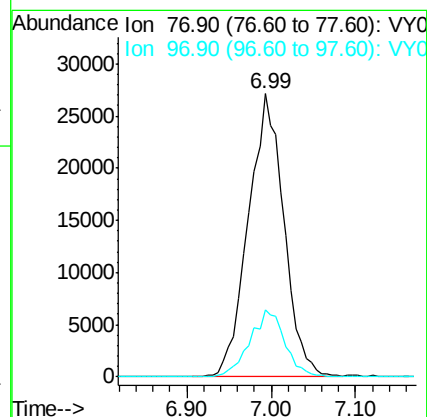
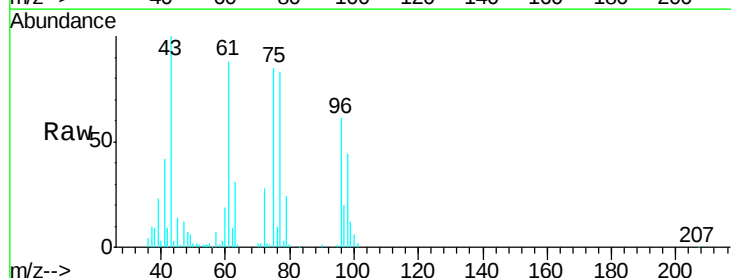
Acq: 15 Nov 2019 11:54

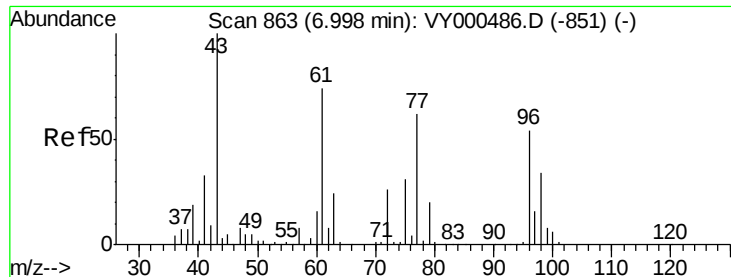
Tgt Ion: 77 Resp: 77777

Ion Ratio Lower Upper

77 100

97 23.2 11.8 35.4





#27

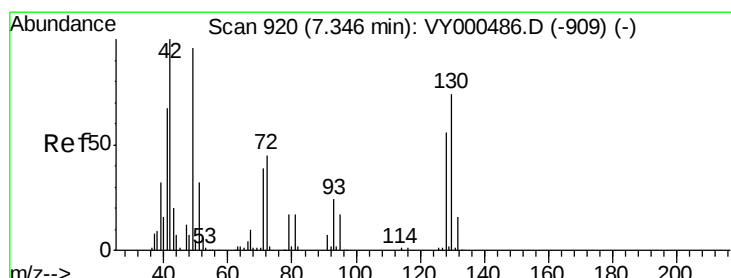
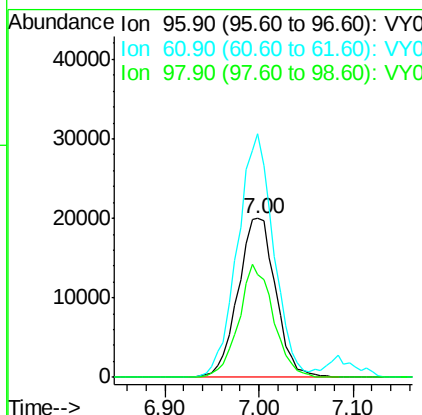
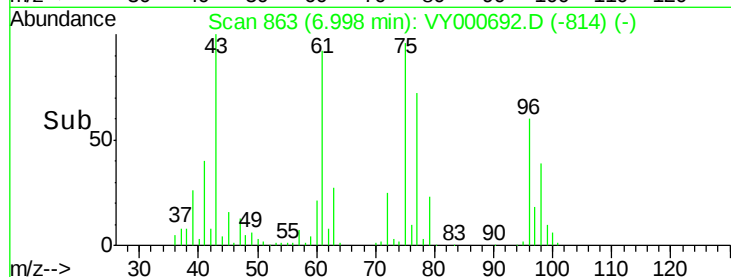
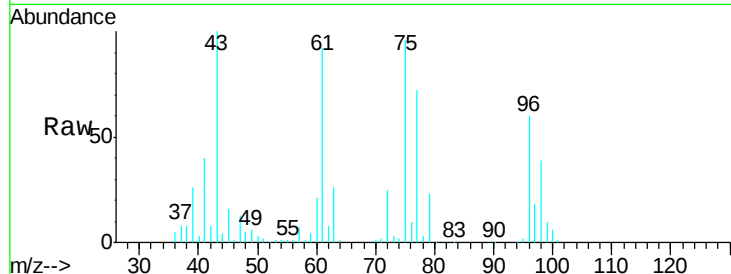
cis-1,2-Dichloroethene
Concen: 21.250 ug/l
RT: 7.00 min Scan# 863
Delta R.T. 0.00 min
Lab File: VY000692.D
Acq: 15 Nov 2019 11:54

Instrument :
MSVOA_Y
ClientSampleId :
VY1115SBS01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	147.7	0.0	287.0
98	65.4	0.0	129.4

Manual Integrations
APPROVED

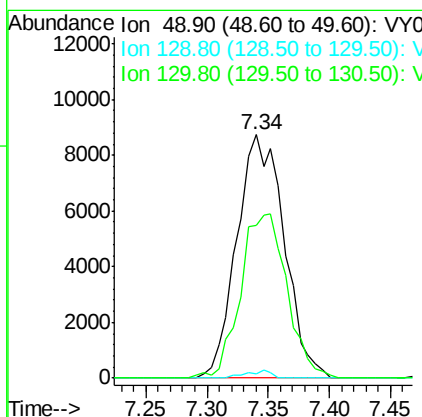
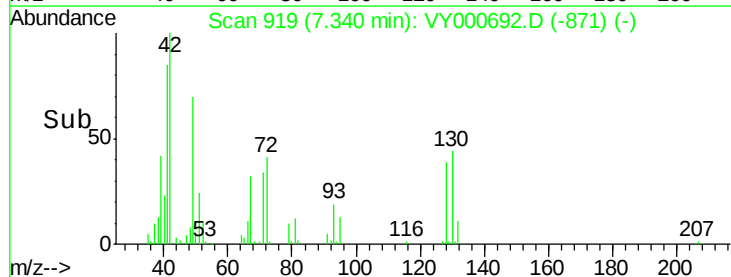
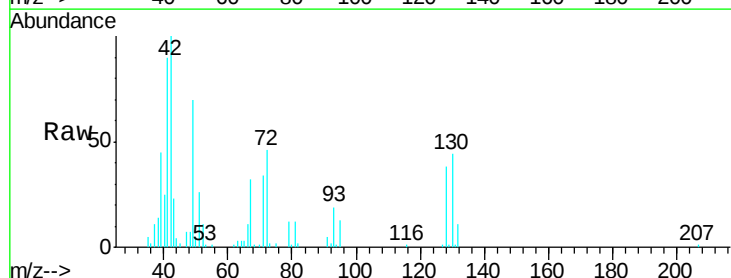
MMDadoda
11/18/2019 3:24:20 PM

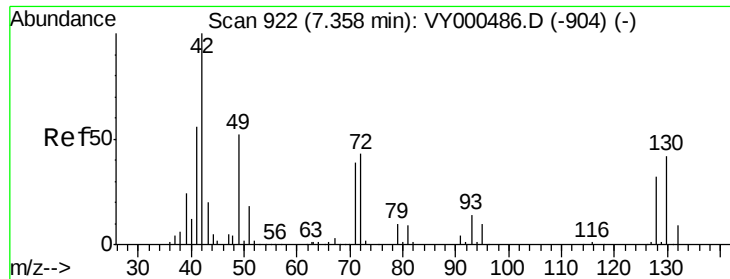


#28

Bromochloromethane
Concen: 15.692 ug/l
RT: 7.34 min Scan# 919
Delta R.T. -0.01 min
Lab File: VY000692.D
Acq: 15 Nov 2019 11:54

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	3.6
130	66.1	59.4	89.0





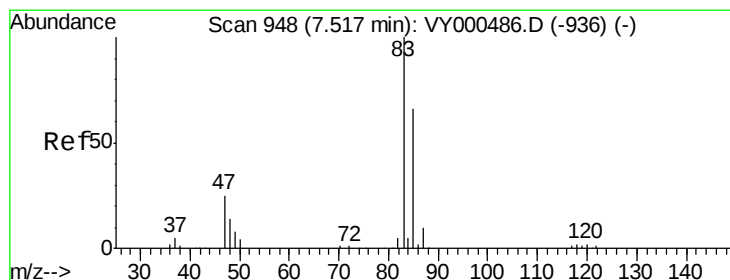
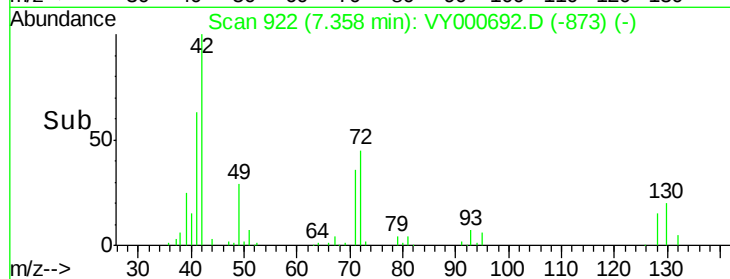
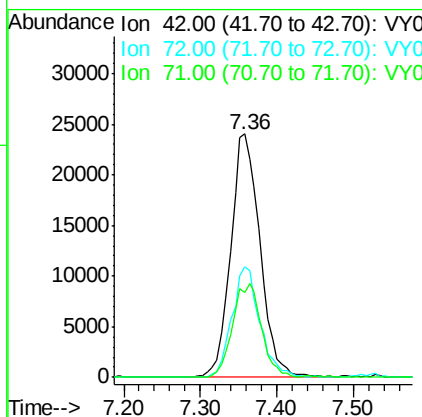
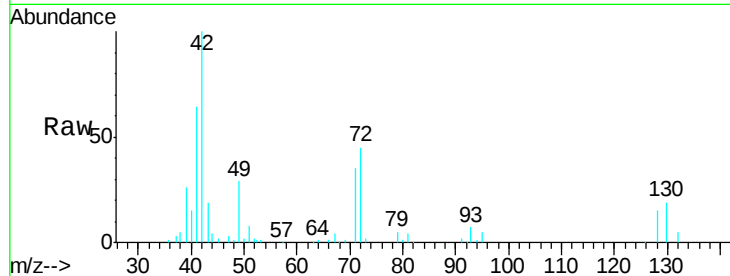
#29
Tetrahydrofuran
Concen: 107.557 ug/l
RT: 7.36 min Scan# 922
Delta R.T. 0.00 min
Lab File: VY000692.D
Acq: 15 Nov 2019 11:54

Instrument :
MSVOA_Y
ClientSampleId :
VY1115SBS01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	43.4	34.0	51.0
71	37.8	30.8	46.2

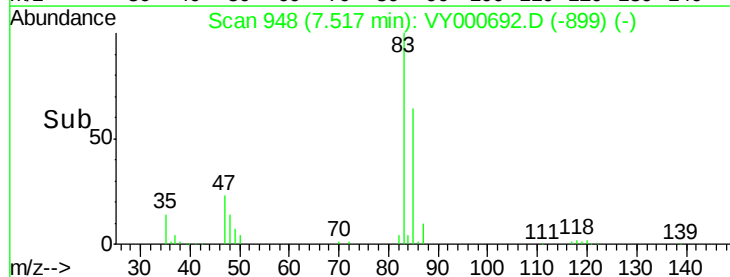
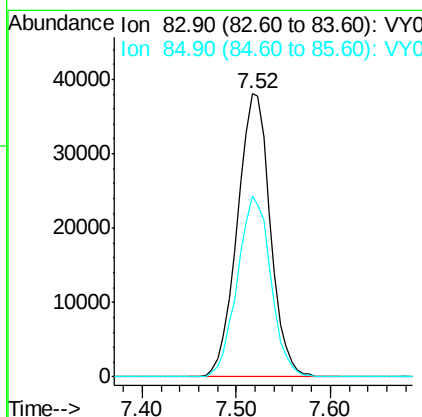
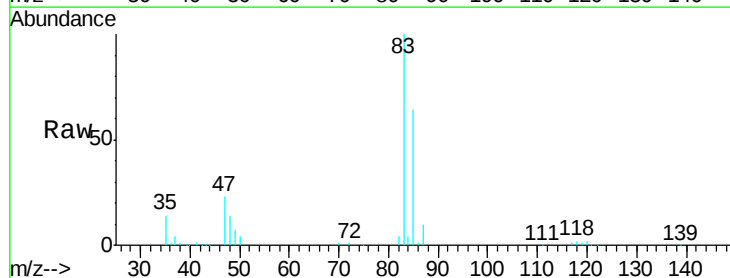
Manual Integrations
APPROVED

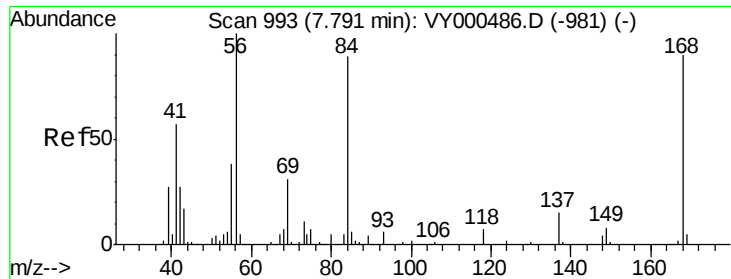
MMDadoda
11/18/2019 3:24:20 PM



#30
Chloroform
Concen: 22.668 ug/l
RT: 7.52 min Scan# 948
Delta R.T. 0.00 min
Lab File: VY000692.D
Acq: 15 Nov 2019 11:54

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	53.0	79.4





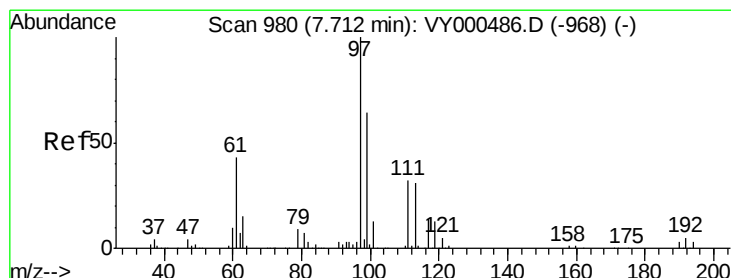
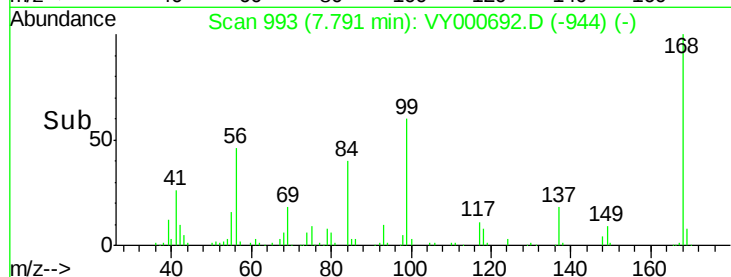
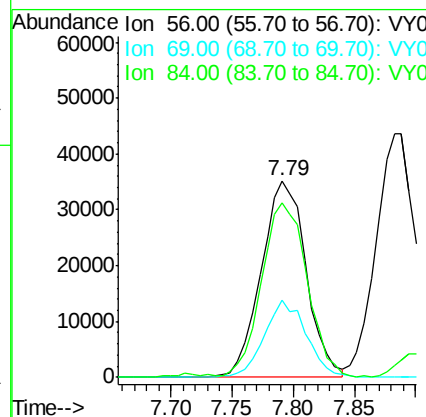
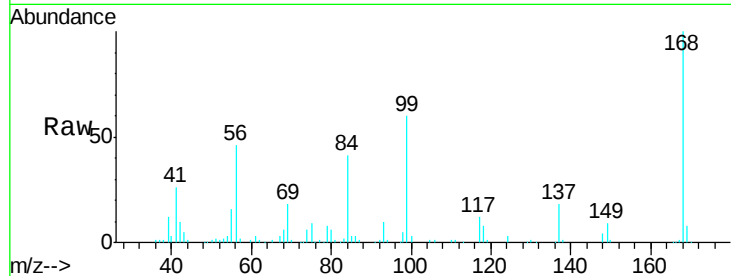
#31
Cyclohexane
Concen: 21.064 ug/l
RT: 7.79 min Scan# 993
Delta R.T. 0.00 min
Lab File: VY000692.D
Acq: 15 Nov 2019 11:54

Instrument :
MSVOA_Y
ClientSampleId :
VY1115SBS01

Tgt Ion	Ratio	Lower	Upper
56	100		
69	39.2	25.0	37.6#
84	87.3	71.4	107.2

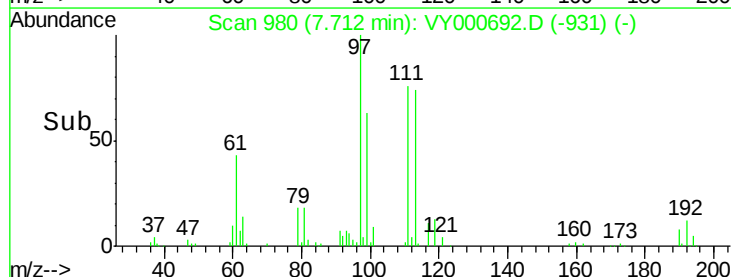
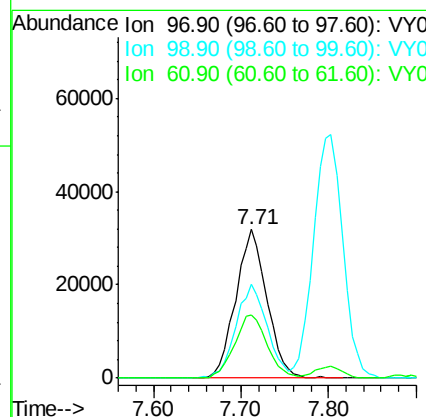
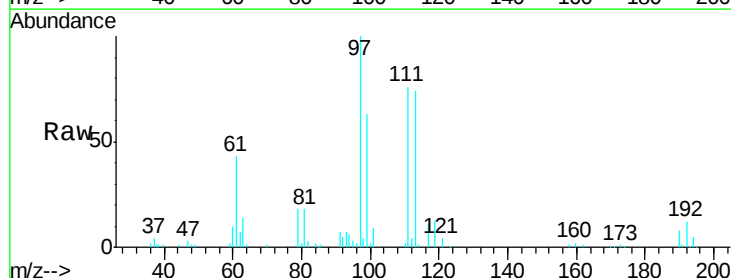
Manual Integrations
APPROVED

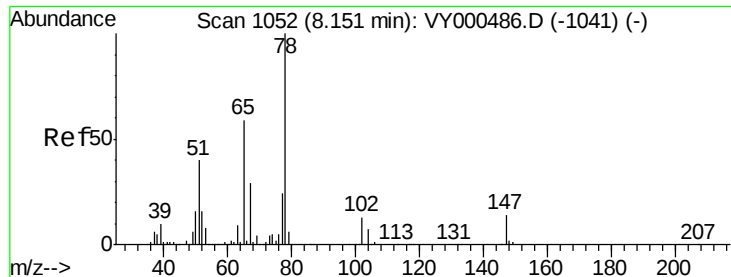
MMDadoda
11/18/2019 3:24:20 PM



#32
1,1,1-Trichloroethane
Concen: 21.476 ug/l
RT: 7.71 min Scan# 980
Delta R.T. 0.00 min
Lab File: VY000692.D
Acq: 15 Nov 2019 11:54

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.2	50.9	76.3
61	44.4	34.9	52.3





#33

1,2-Dichloroethane-d4

Concen: 54.144 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VY000692.D

Acq: 15 Nov 2019 11:54

Instrument :

MSVOA_Y

ClientSampleId :

VY1115SBS01

Tgt Ion: 65 Resp: 119206

Ion Ratio Lower Upper

65 100

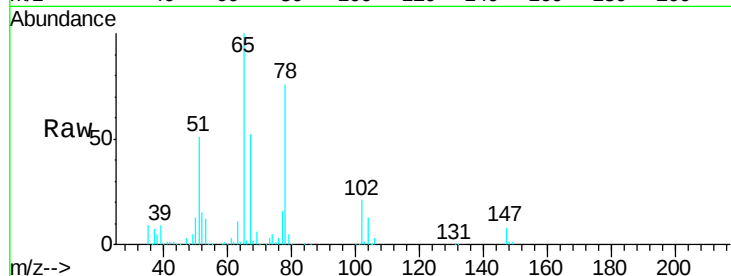
67 53.3 0.0 107.2

Manual Integrations

APPROVED

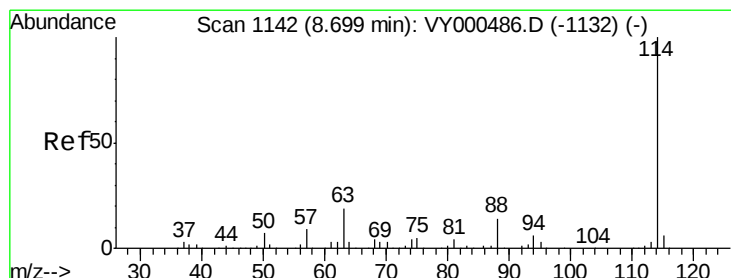
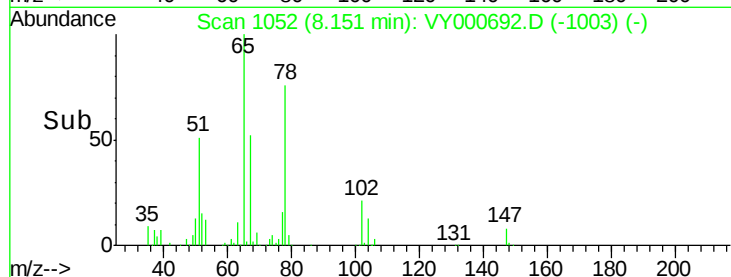
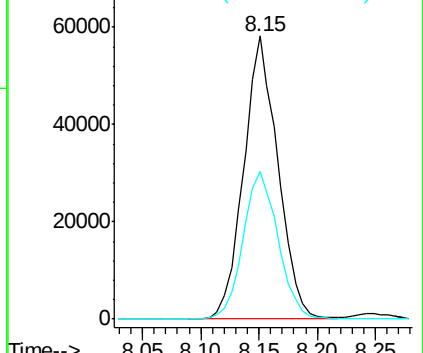
MMDadoda

11/18/2019 3:24:20 PM



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.70 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VY000692.D

Acq: 15 Nov 2019 11:54

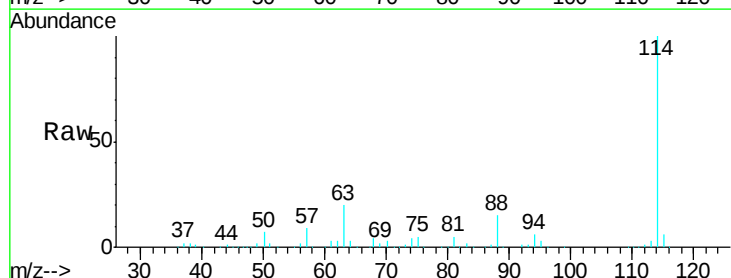
Tgt Ion: 114 Resp: 354576

Ion Ratio Lower Upper

114 100

63 20.3 0.0 38.0

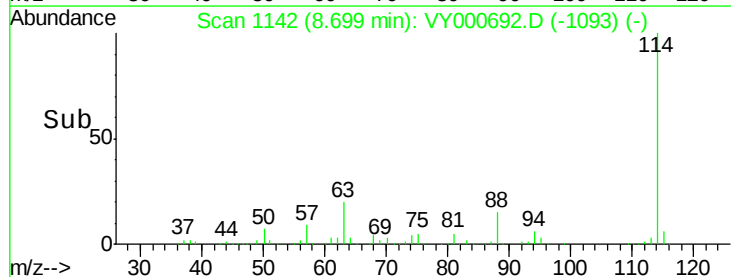
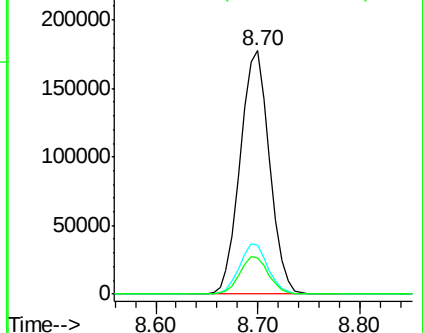
88 15.0 0.0 28.6

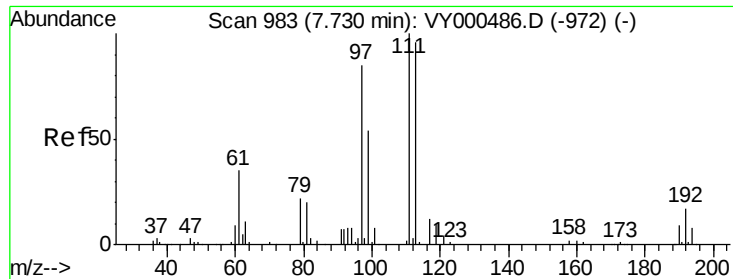


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0





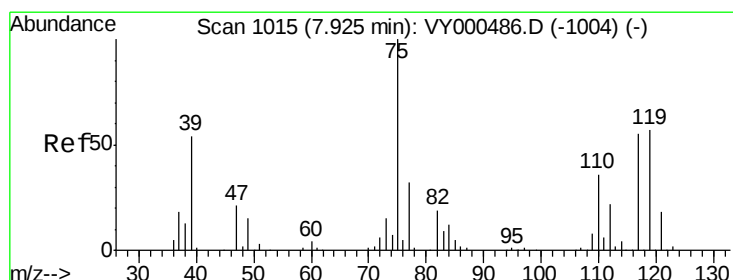
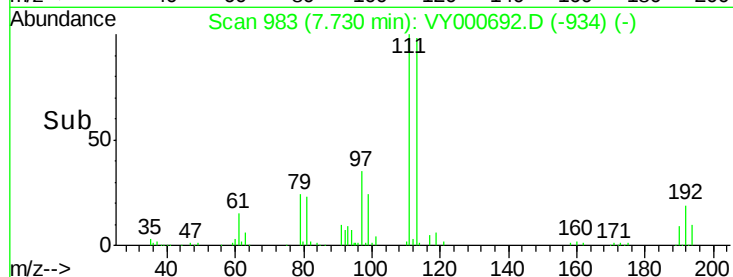
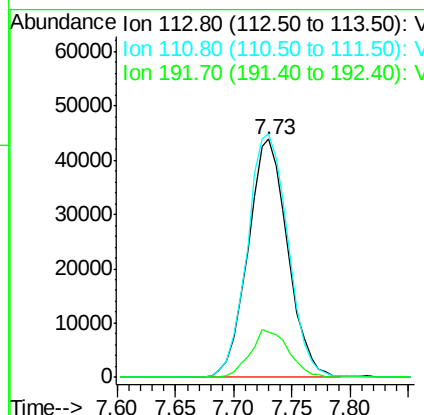
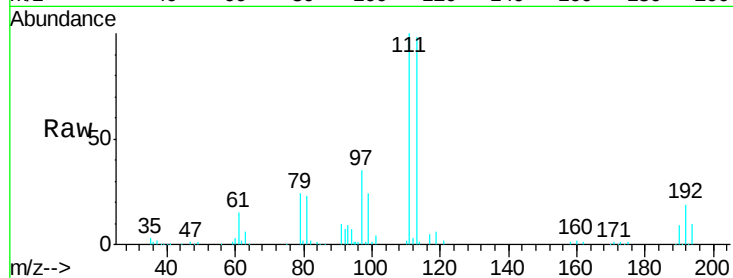
#35
Dibromofluoromethane
Concen: 50.086 ug/l
RT: 7.73 min Scan# 983
Delta R.T. 0.00 min
Lab File: VY000692.D
Acq: 15 Nov 2019 11:54

Instrument :
MSVOA_Y
ClientSampleId :
VY1115SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	104258		
111	105.1	81.7	122.5	
192	19.4	15.0	22.4	

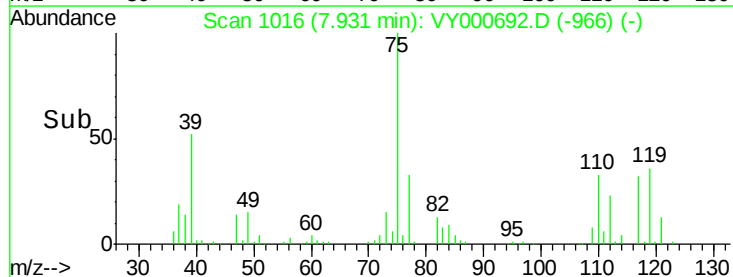
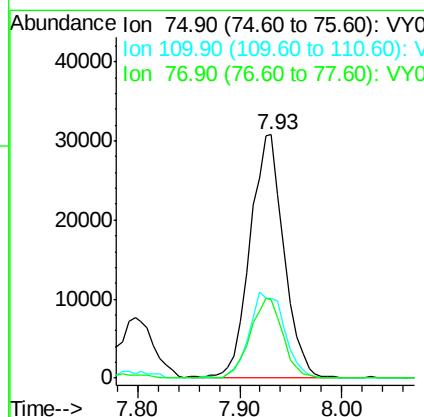
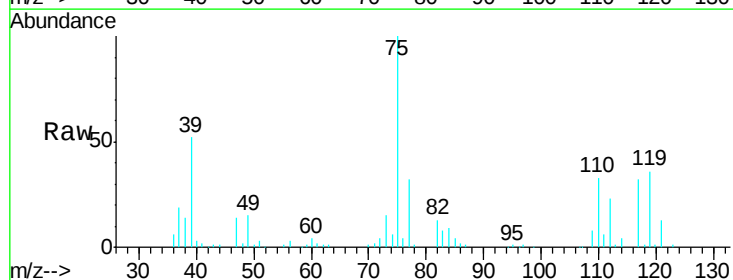
Manual Integrations
APPROVED

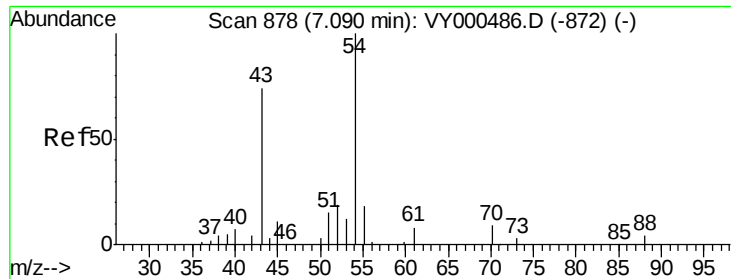
MMDadoda
11/18/2019 3:24:20 PM



#36
1,1-Dichloropropene
Concen: 21.252 ug/l
RT: 7.93 min Scan# 1016
Delta R.T. 0.01 min
Lab File: VY000692.D
Acq: 15 Nov 2019 11:54

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	71236		
110	36.4	18.1	54.1	
77	31.7	25.0	37.6	





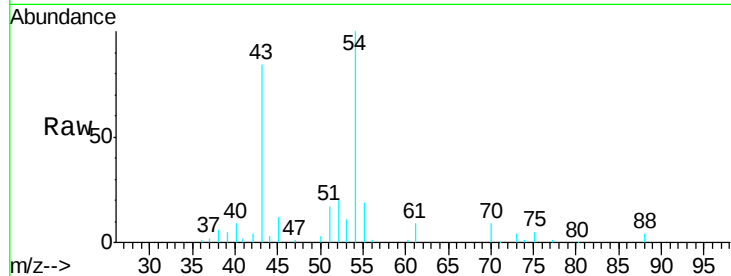
#37
Ethyl Acetate
Concen: 20.504 ug/l
RT: 7.09 min Scan# 878
Delta R.T. 0.00 min
Lab File: VY000692.D
Acq: 15 Nov 2019 11:54

Instrument :
MSVOA_Y
ClientSampleId :
VY1115SBS01

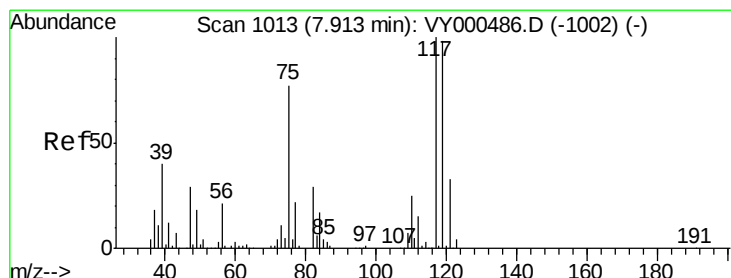
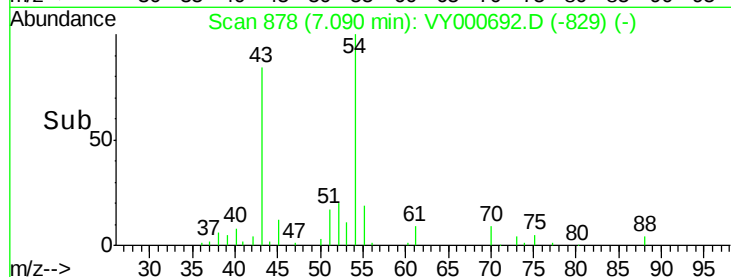
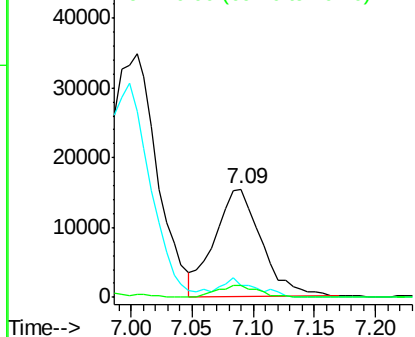
Tgt Ion: 43 Resp: 40805
Ion Ratio Lower Upper
43 100
61 14.2 10.2 15.2
70 9.9 7.8 11.8

Manual Integrations
APPROVED

MMDadoda
11/18/2019 3:24:20 PM

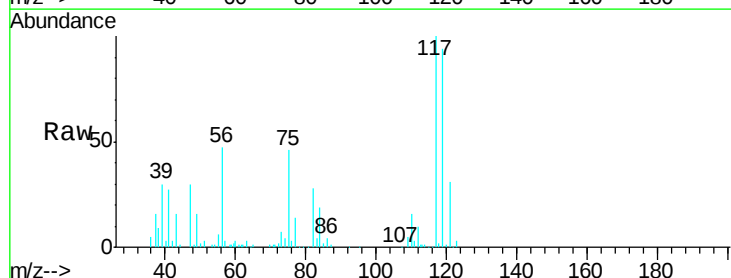


Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 70.00 (69.70 to 70.70): VY0

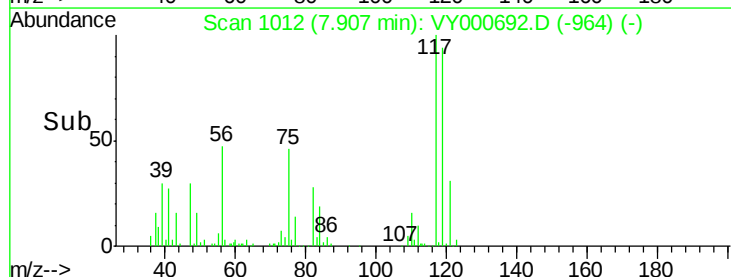
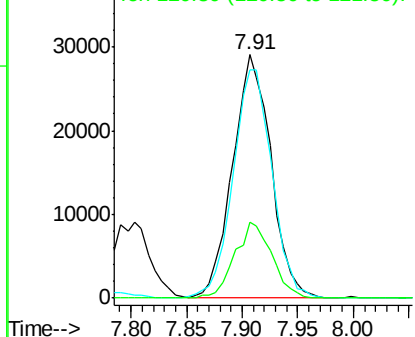


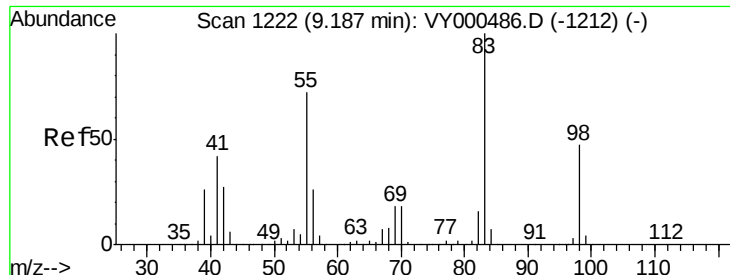
#38
Carbon Tetrachloride
Concen: 21.601 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. -0.01 min
Lab File: VY000692.D
Acq: 15 Nov 2019 11:54

Tgt Ion: 117 Resp: 69670
Ion Ratio Lower Upper
117 100
119 93.7 78.0 117.0
121 30.9 26.6 40.0



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V





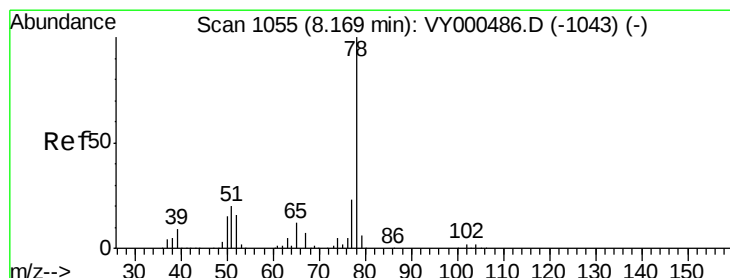
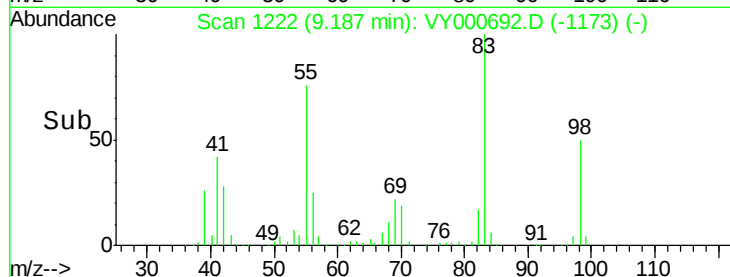
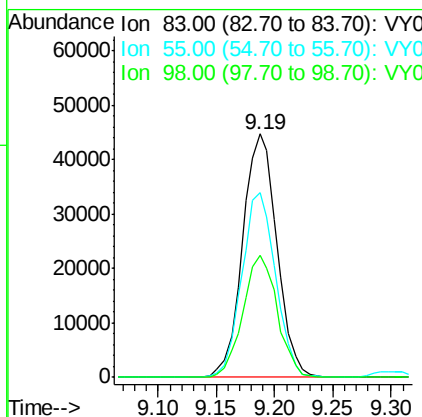
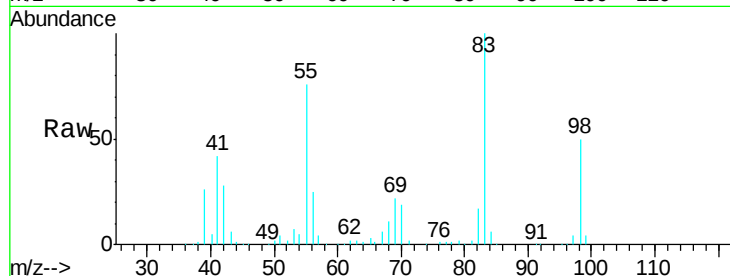
#39
Methylcyclohexane
Concen: 21.145 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. 0.00 min
Lab File: VY000692.D
Acq: 15 Nov 2019 11:54

Instrument :
MSVOA_Y
ClientSampleId :
VY1115SBS01

Tgt Ion	Ratio	Lower	Upper
83	100		
55	76.1	57.5	86.3
98	49.9	38.0	57.0

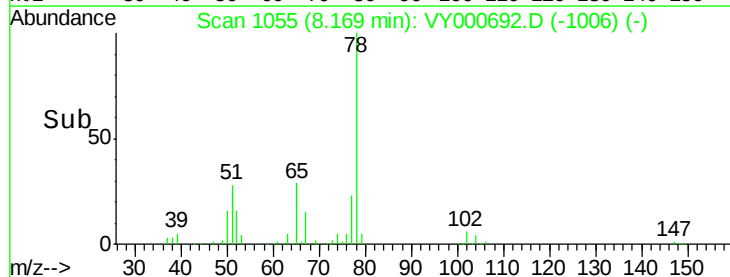
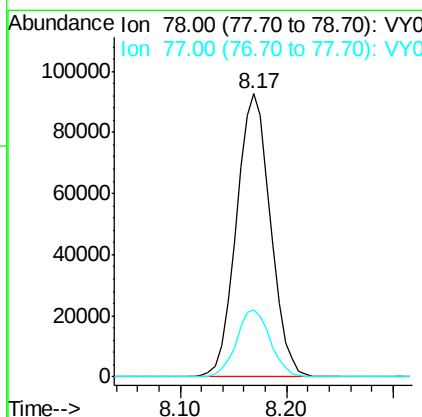
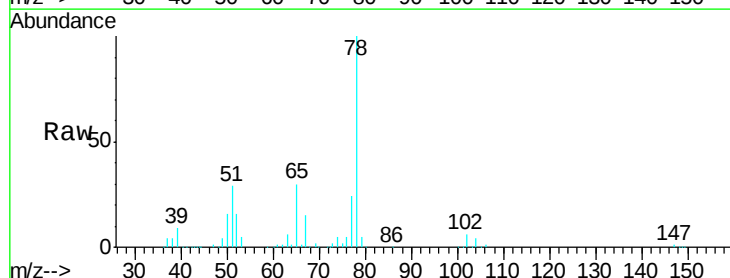
Manual Integrations
APPROVED

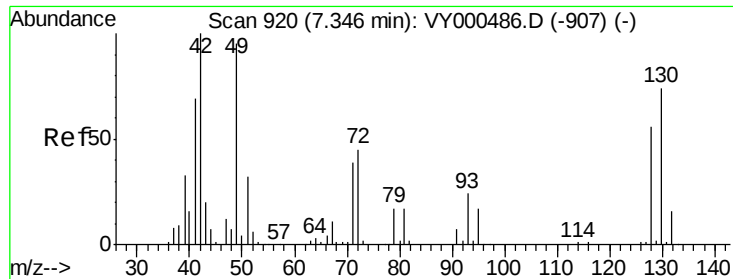
MMDadoda
11/18/2019 3:24:20 PM



#40
Benzene
Concen: 21.173 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. 0.00 min
Lab File: VY000692.D
Acq: 15 Nov 2019 11:54

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.6	28.0





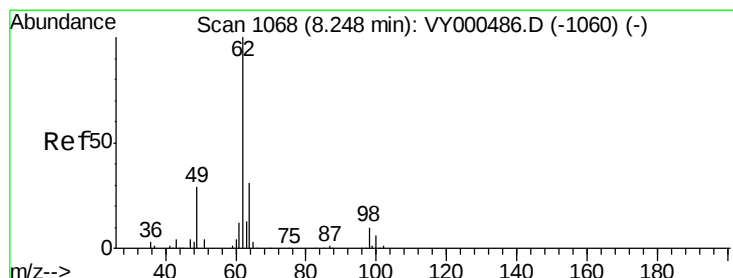
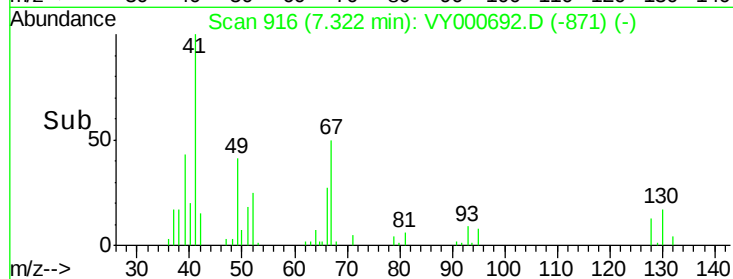
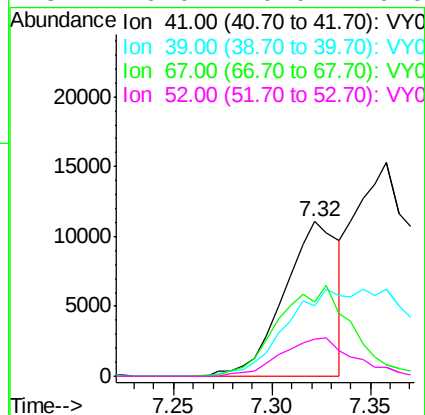
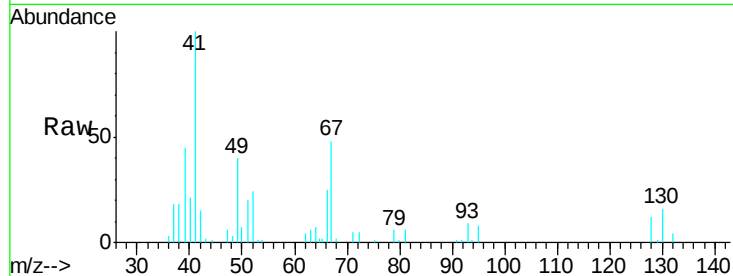
#41
Methacrylonitrile
Concen: 19.199 ug/l m
RT: 7.32 min Scan# 916
Delta R.T. -0.02 min
Lab File: VY000692.D
Acq: 15 Nov 2019 11:54

Instrument :
MSVOA_Y
ClientSampleId :
VY1115SBS01

Tgt Ion:	41	Resp:	21315
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

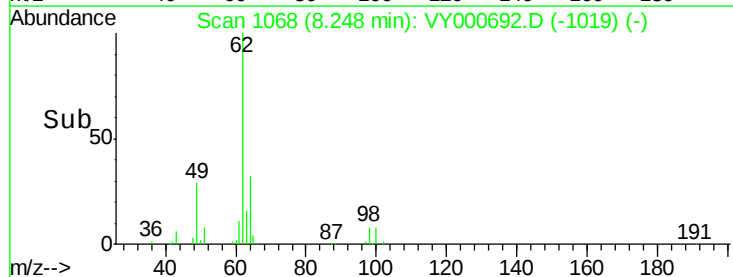
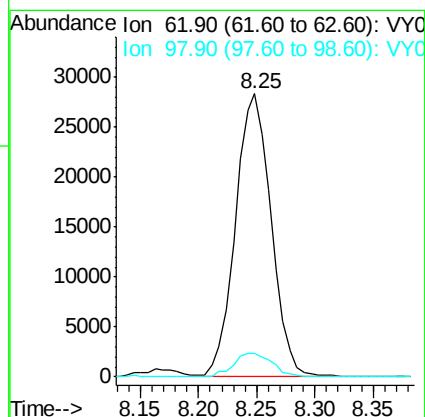
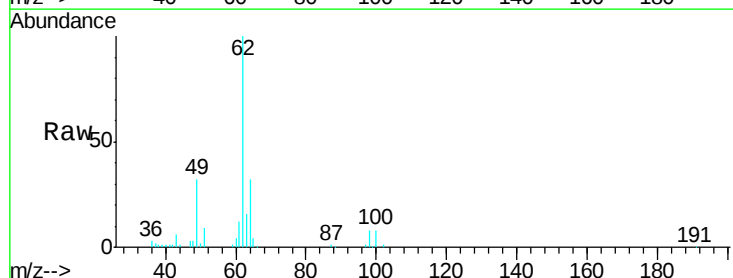
Manual Integrations
APPROVED

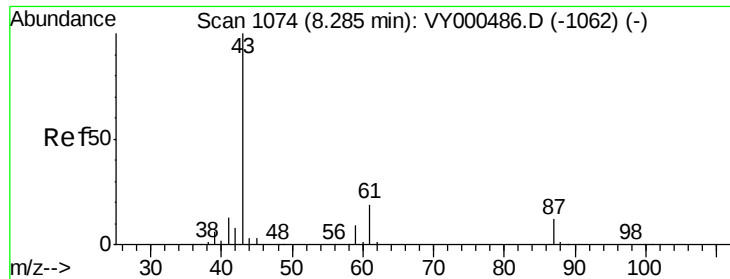
MMDadoda
11/18/2019 3:24:20 PM



#42
1,2-Dichloroethane
Concen: 21.794 ug/l
RT: 8.25 min Scan# 1068
Delta R.T. 0.00 min
Lab File: VY000692.D
Acq: 15 Nov 2019 11:54

Tgt Ion:	62	Resp:	60747
Ion Ratio	Lower	Upper	
62	100		
98	9.2	0.0	19.2





#43

Isopropyl Acetate

Concen: 21.575 ug/l

RT: 8.28 min Scan# 1073

Delta R.T. -0.01 min

Lab File: VY000692.D

Acq: 15 Nov 2019 11:54

Instrument :

MSVOA_Y

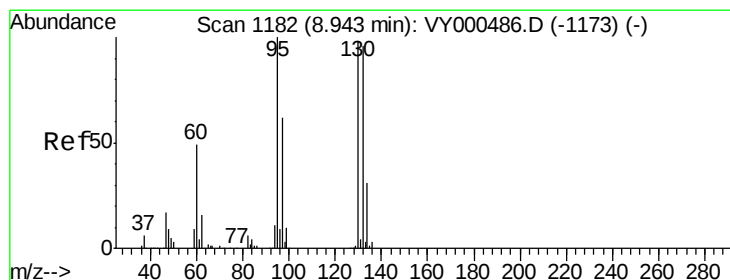
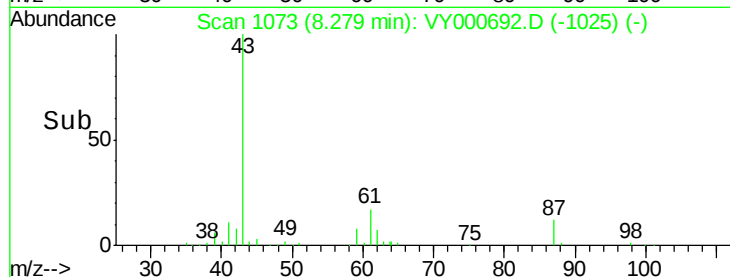
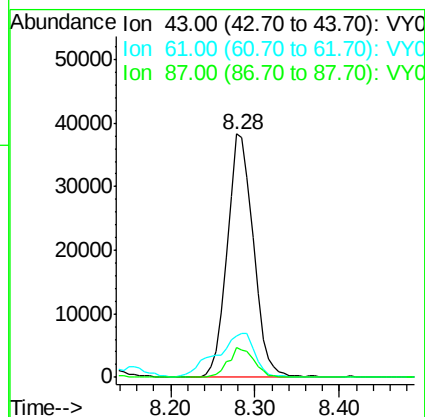
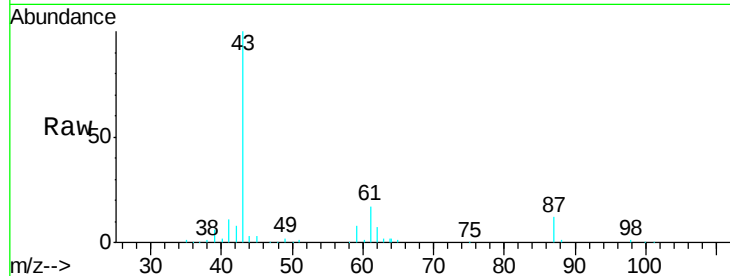
ClientSampleId :

VY1115SBS01

Tgt Ion:	43	Resp:	80656
Ion Ratio	Lower	Upper	
43	100		
61	27.1	23.0	34.4
87	11.9	10.5	15.7

Manual Integrations
APPROVED

MMDadoda
11/18/2019 3:24:20 PM



#44

Trichloroethene

Concen: 21.862 ug/l

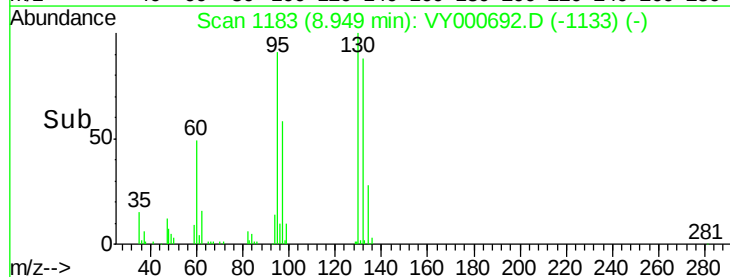
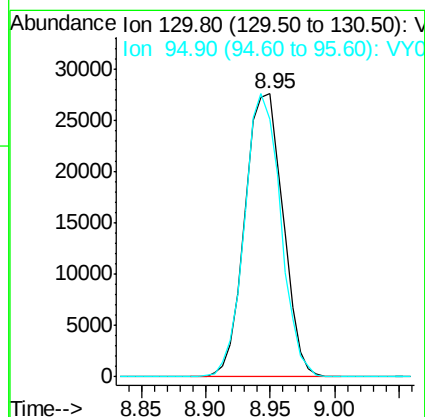
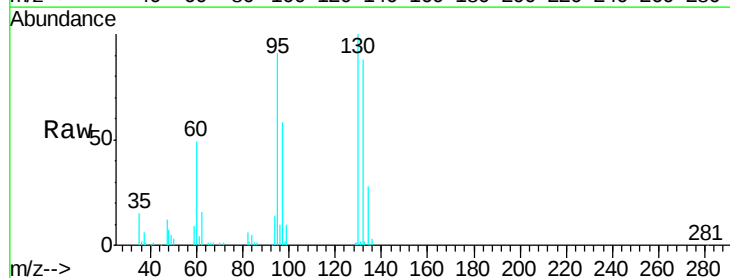
RT: 8.95 min Scan# 1183

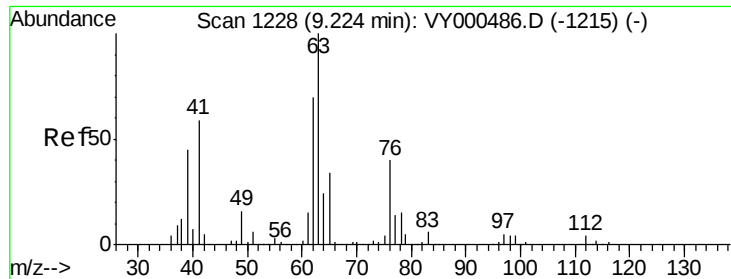
Delta R.T. 0.01 min

Lab File: VY000692.D

Acq: 15 Nov 2019 11:54

Tgt Ion:	130	Resp:	56646
Ion Ratio	Lower	Upper	
130	100		
95	91.1	0.0	203.2





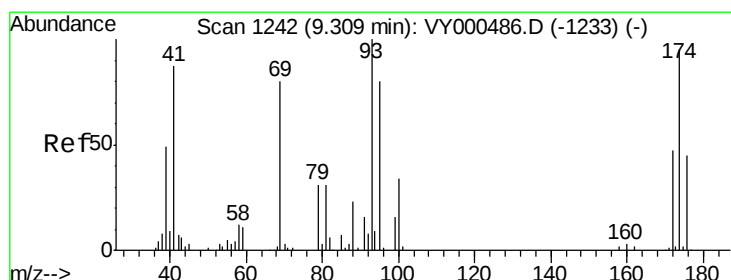
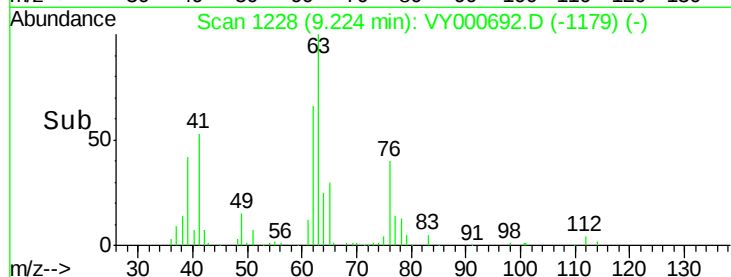
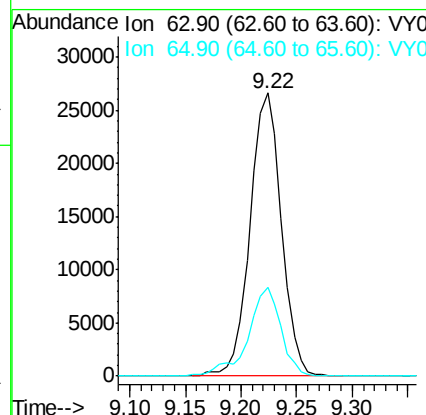
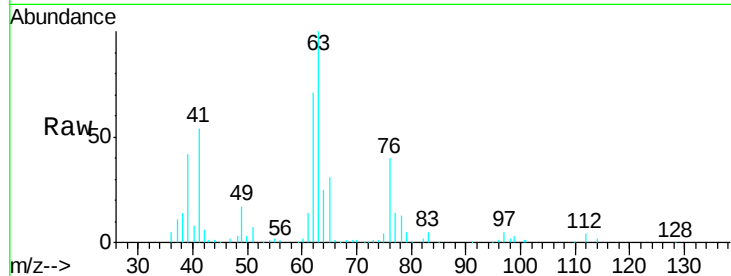
#45
 1,2-Dichloropropane
 Concen: 21.583 ug/l
 RT: 9.22 min Scan# 1228
 Delta R.T. 0.00 min
 Lab File: VY000692.D
 Acq: 15 Nov 2019 11:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1115SBS01

Tgt Ion: 63 Resp: 52203
 Ion Ratio Lower Upper
 63 100
 65 31.2 27.0 40.4

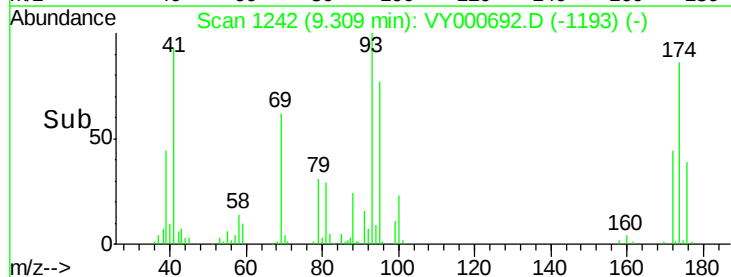
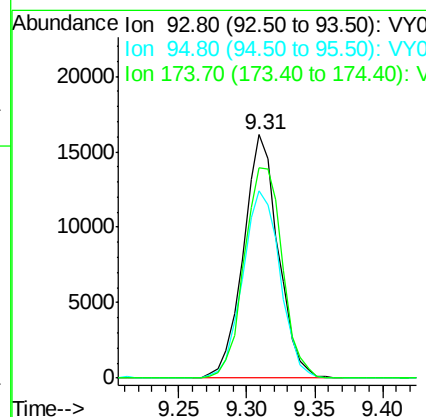
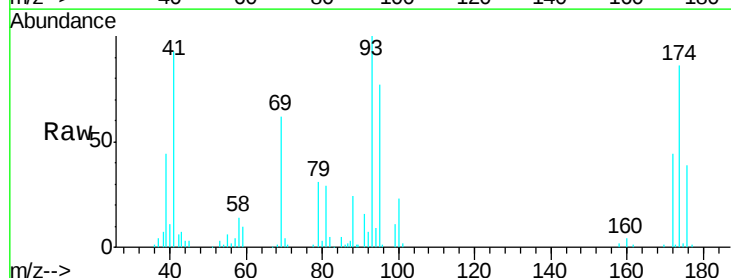
Manual Integrations
 APPROVED

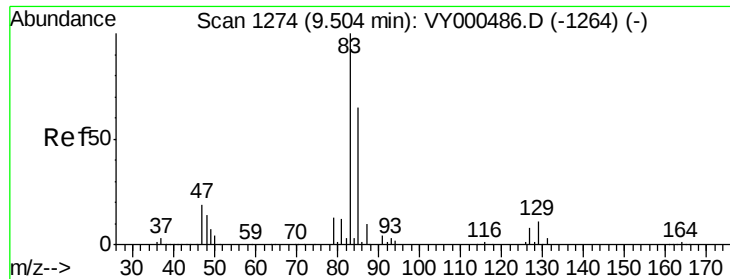
MMDadoda
 11/18/2019 3:24:20 PM



#46
 Dibromomethane
 Concen: 21.704 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VY000692.D
 Acq: 15 Nov 2019 11:54

Tgt Ion: 93 Resp: 28870
 Ion Ratio Lower Upper
 93 100
 95 82.6 66.4 99.6
 174 94.7 77.1 115.7





#47

Bromodichloromethane

Concen: 21.545 ug/l

RT: 9.50 min Scan# 1274

Delta R.T. 0.00 min

Lab File: VY000692.D

Acq: 15 Nov 2019 11:54

Instrument :

MSVOA_Y

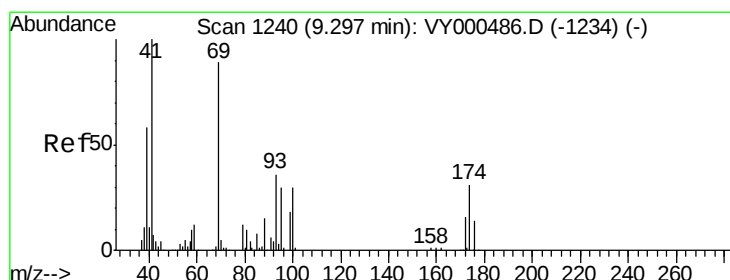
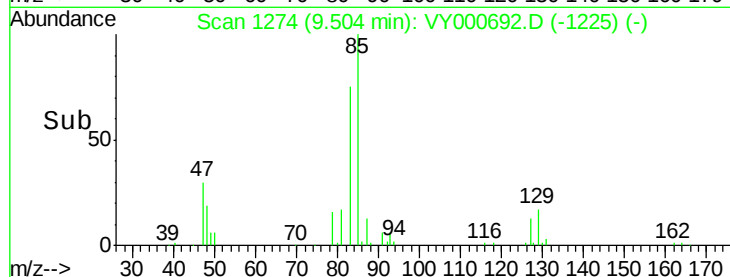
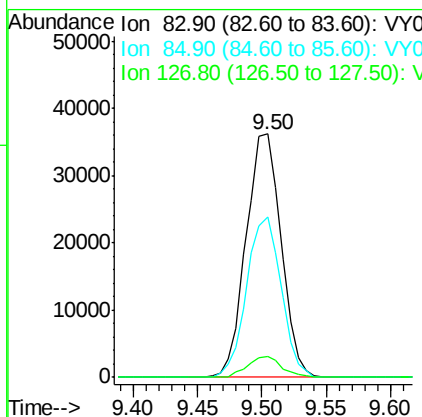
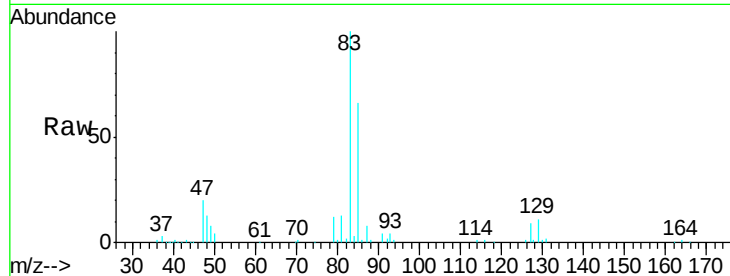
ClientSampleId :

VY1115SBS01

Tgt Ion:	83	Resp:	68000
Ion Ratio	Lower	Upper	
83	100		
85	66.0	51.8	77.8
127	8.8	6.7	10.1

Manual Integrations
APPROVED

MMDadoda
11/18/2019 3:24:20 PM



#48

Methyl methacrylate

Concen: 22.162 ug/l

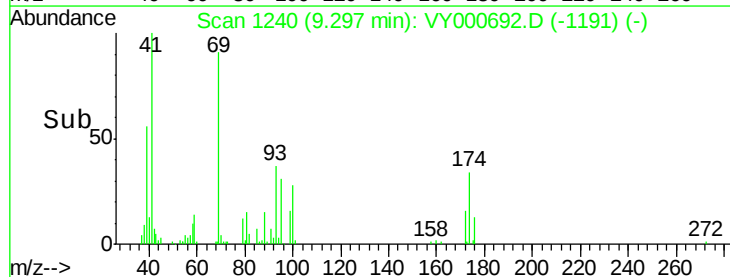
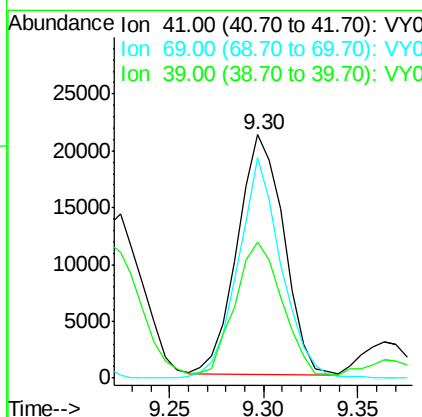
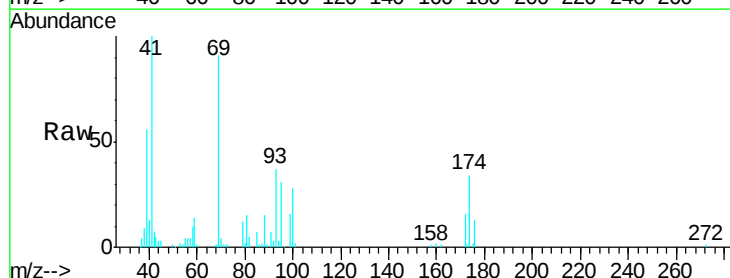
RT: 9.30 min Scan# 1240

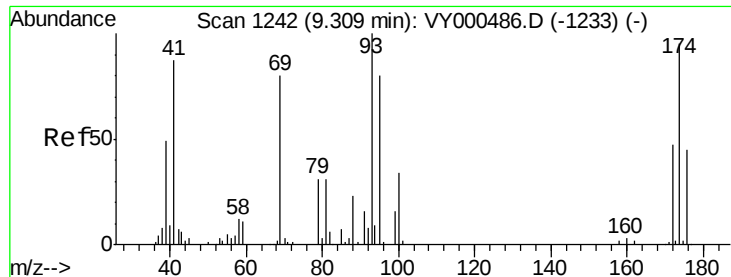
Delta R.T. 0.00 min

Lab File: VY000692.D

Acq: 15 Nov 2019 11:54

Tgt Ion:	41	Resp:	36200
Ion Ratio	Lower	Upper	
41	100		
69	84.9	72.5	108.7
39	59.1	47.8	71.8





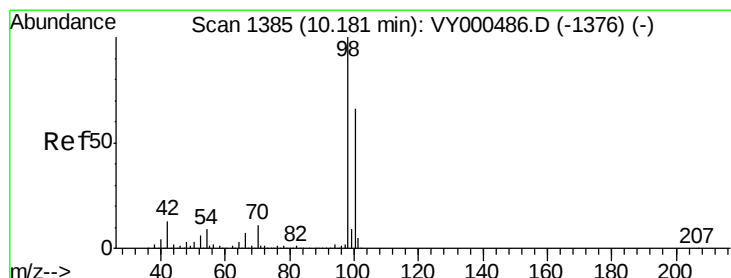
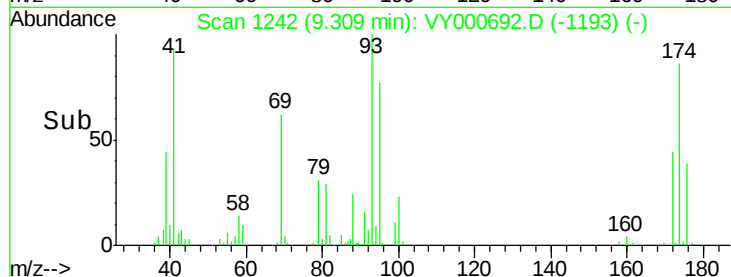
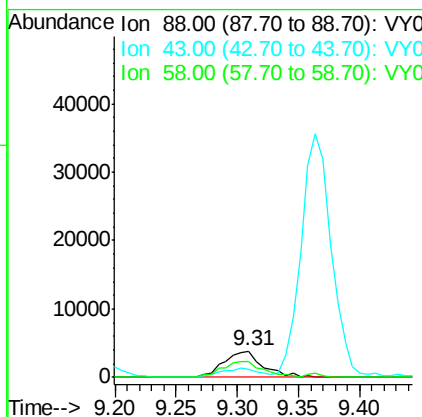
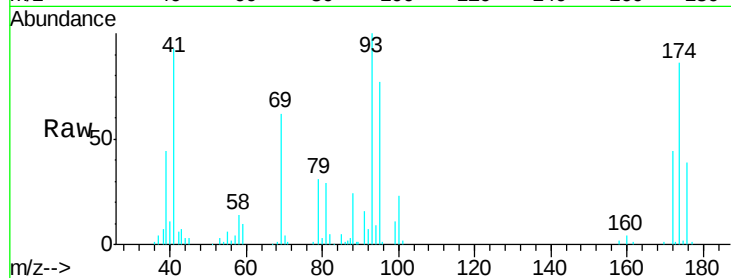
#49
1,4-Dioxane
Concen: 477.092 ug/l
RT: 9.31 min Scan# 1242
Delta R.T. 0.00 min
Lab File: VY000692.D
Acq: 15 Nov 2019 11:54

Instrument :
MSVOA_Y
ClientSampleId :
VY1115SBS01

Tgt Ion	Ratio	Lower	Upper
88	100		
43	32.7	25.1	37.7
58	64.5	50.6	75.8

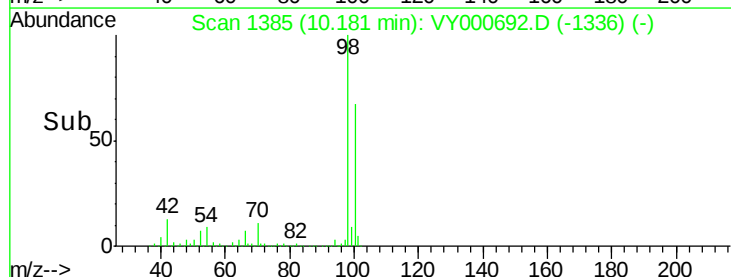
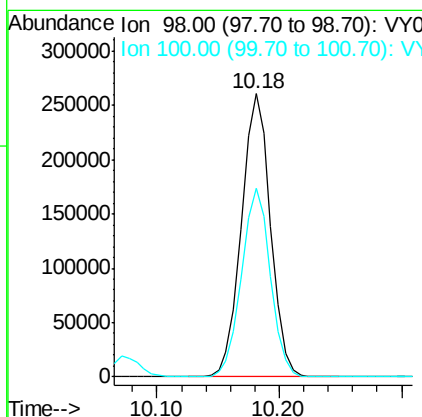
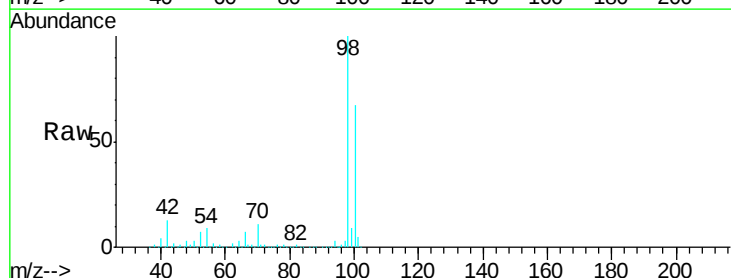
Manual Integrations
APPROVED

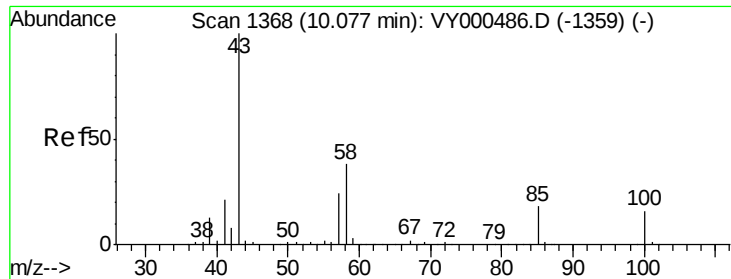
MMDadoda
11/18/2019 3:24:20 PM



#50
Toluene-d8
Concen: 54.214 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VY000692.D
Acq: 15 Nov 2019 11:54

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.3	52.9	79.3





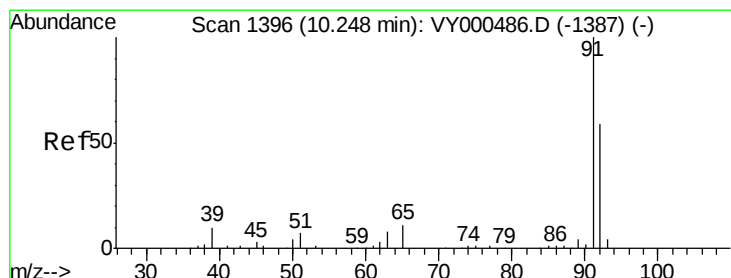
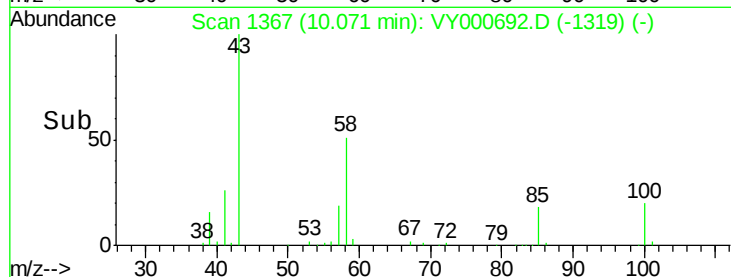
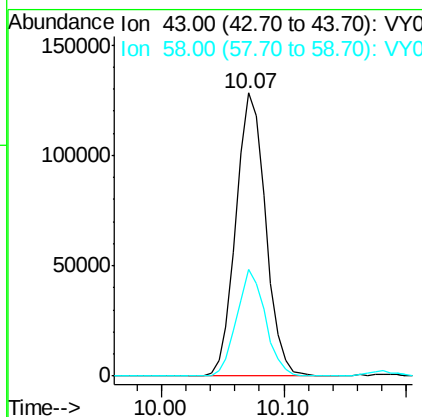
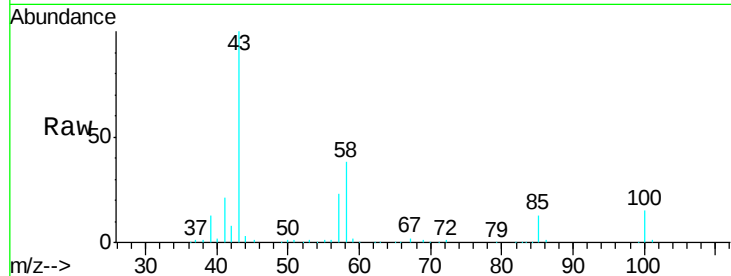
#51
4-Methyl-2-Pentanone
Concen: 108.331 ug/l
RT: 10.07 min Scan# 1367
Delta R.T. -0.01 min
Lab File: VY000692.D
Acq: 15 Nov 2019 11:54

Instrument :
MSVOA_Y
ClientSampleId :
VY1115SBS01

Tgt Ion: 43 Resp: 215319
Ion Ratio Lower Upper
43 100
58 36.4 30.2 45.4

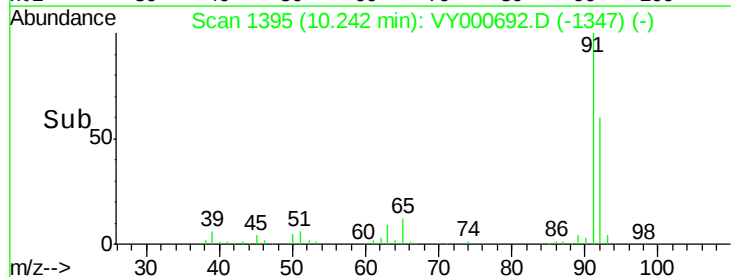
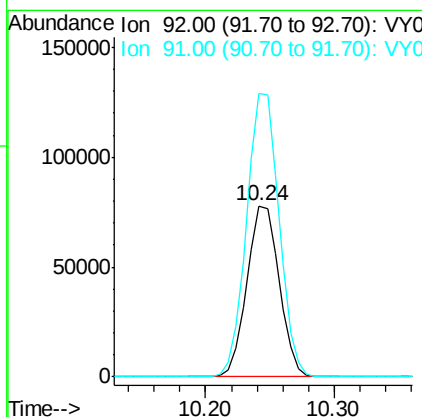
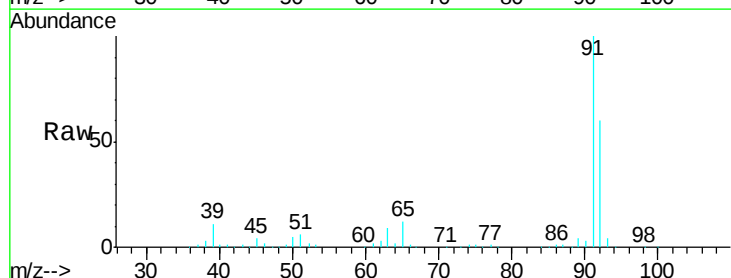
Manual Integrations
APPROVED

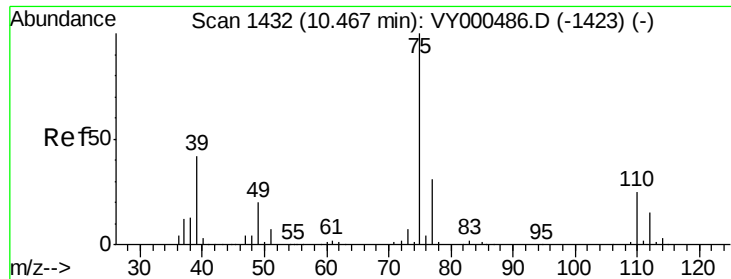
MMDadoda
11/18/2019 3:24:20 PM



#52
Toluene
Concen: 21.619 ug/l
RT: 10.24 min Scan# 1395
Delta R.T. -0.01 min
Lab File: VY000692.D
Acq: 15 Nov 2019 11:54

Tgt Ion: 92 Resp: 134322
Ion Ratio Lower Upper
92 100
91 166.7 136.3 204.5





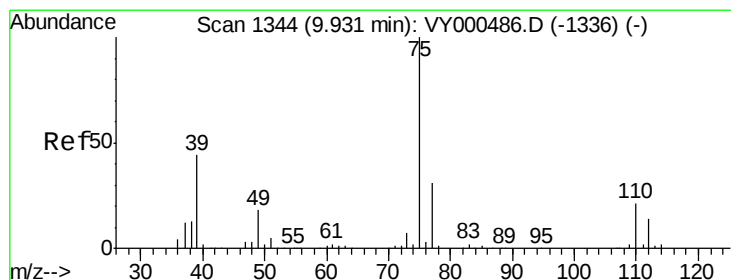
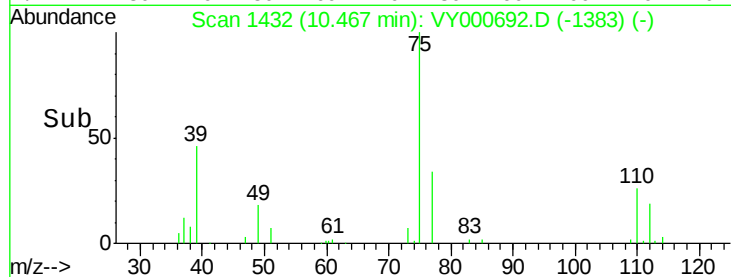
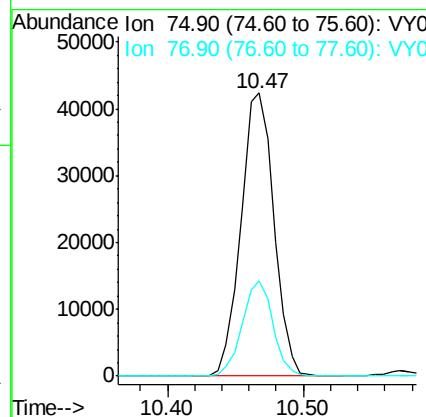
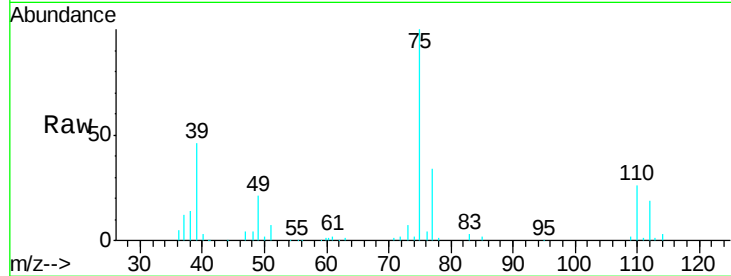
#53
t-1,3-Dichloropropene
Concen: 21.235 ug/l
RT: 10.47 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VY000692.D
Acq: 15 Nov 2019 11:54

Instrument :
MSVOA_Y
ClientSampleId :
VY1115SBS01

Tgt Ion: 75 Resp: 71612
Ion Ratio Lower Upper
75 100
77 33.8 24.6 37.0

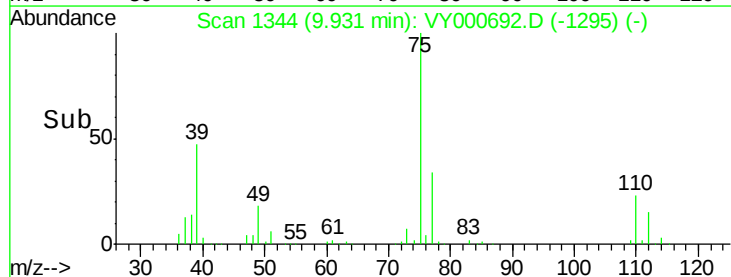
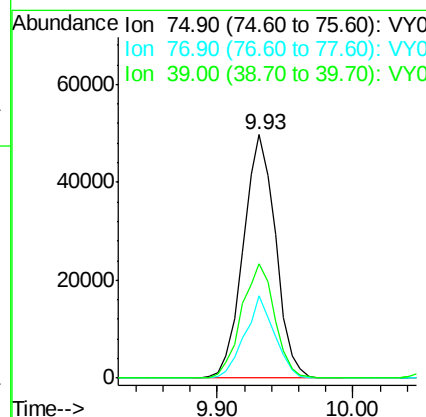
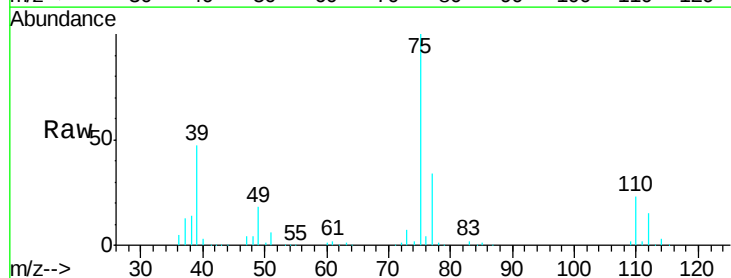
Manual Integrations
APPROVED

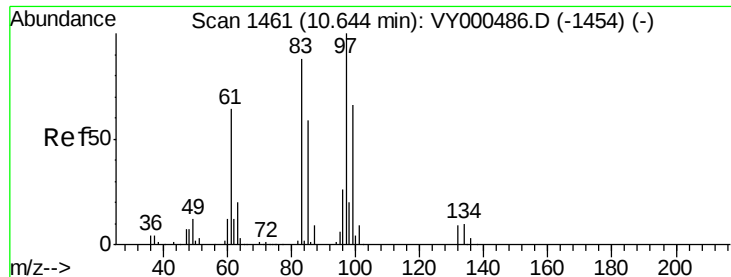
MMDadoda
11/18/2019 3:24:20 PM



#54
cis-1,3-Dichloropropene
Concen: 21.333 ug/l
RT: 9.93 min Scan# 1344
Delta R.T. 0.00 min
Lab File: VY000692.D
Acq: 15 Nov 2019 11:54

Tgt Ion: 75 Resp: 82420
Ion Ratio Lower Upper
75 100
77 33.6 24.5 36.7
39 46.9 35.4 53.2





#55

1,1,2-Trichloroethane

Concen: 21.671 ug/l

RT: 10.64 min Scan# 1461

Delta R.T. 0.00 min

Lab File: VY000692.D

Acq: 15 Nov 2019 11:54

Instrument :

MSVOA_Y

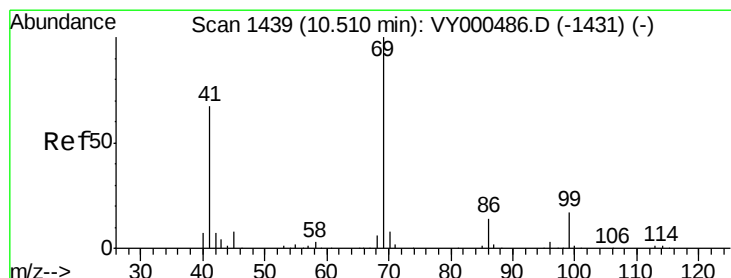
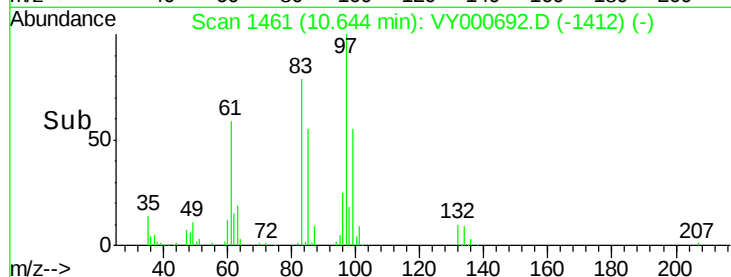
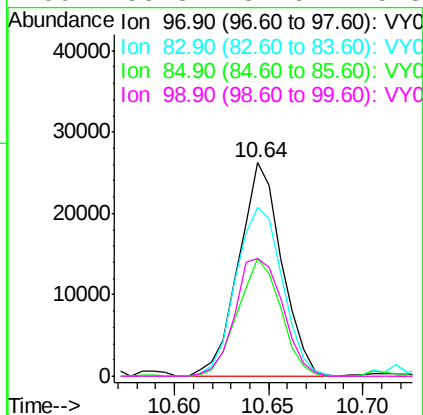
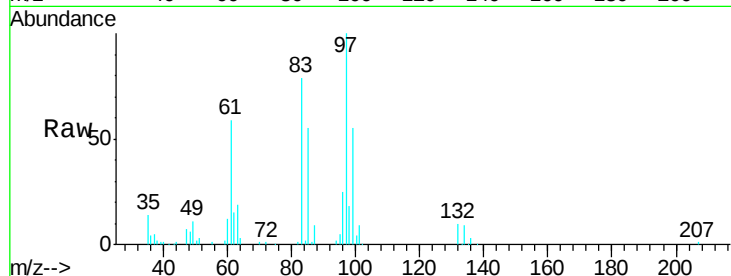
ClientSampleId :

VY1115SBS01

Tgt Ion:	97	Resp:	41694
Ion	Ratio	Lower	Upper
97	100		
83	79.3	70.2	105.4
85	55.4	46.9	70.3
99	55.3	52.6	78.8

Manual Integrations
APPROVED

MMDadoda
11/18/2019 3:24:20 PM



#56

Ethyl methacrylate

Concen: 21.281 ug/l

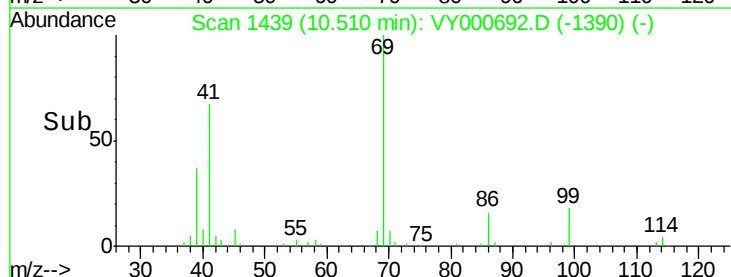
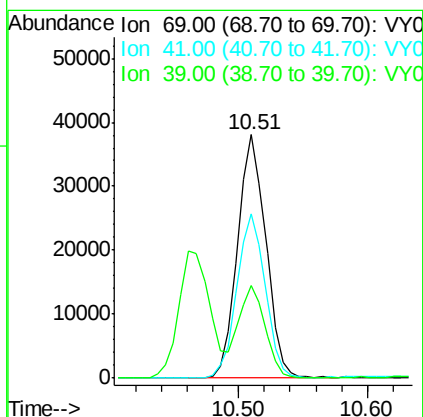
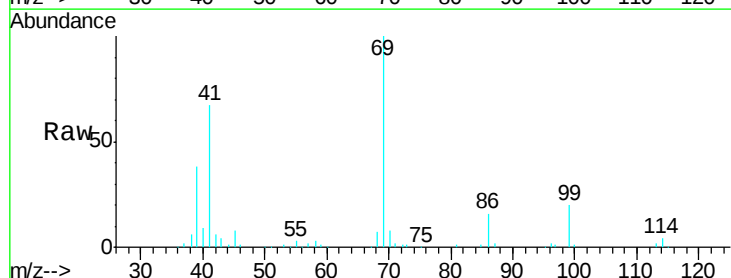
RT: 10.51 min Scan# 1439

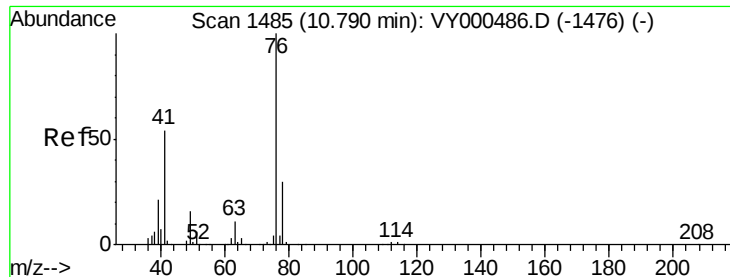
Delta R.T. 0.00 min

Lab File: VY000692.D

Acq: 15 Nov 2019 11:54

Tgt Ion:	69	Resp:	58030
Ion	Ratio	Lower	Upper
69	100		
41	67.9	53.3	79.9
39	35.0	28.0	42.0





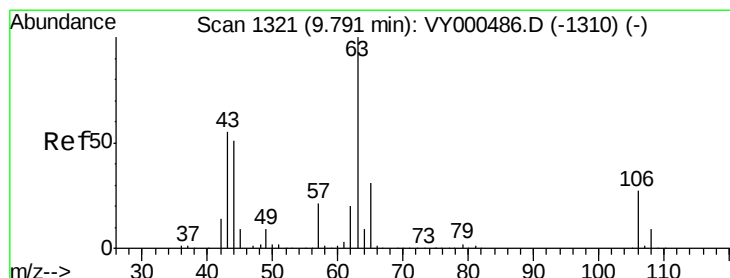
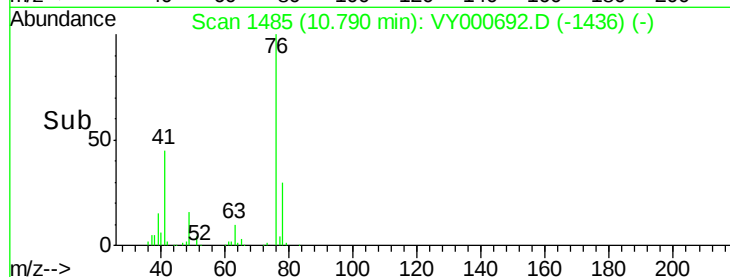
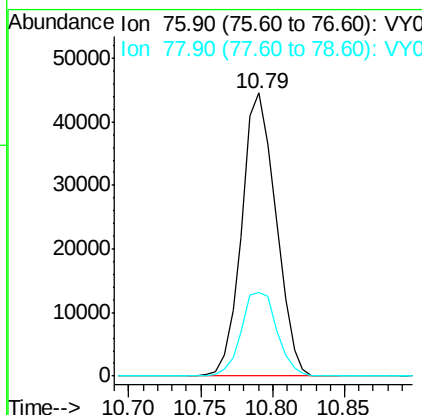
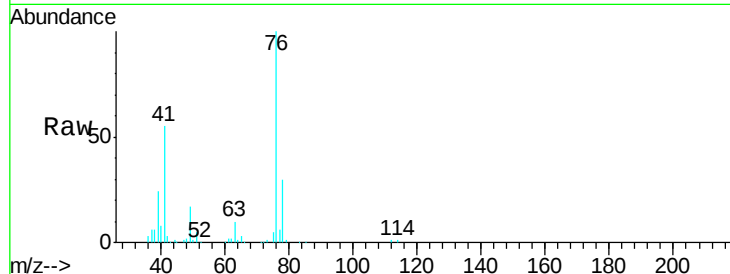
#57
 1,3-Dichloropropane
 Concen: 21.750 ug/l
 RT: 10.79 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VY000692.D
 Acq: 15 Nov 2019 11:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1115SBS01

Tgt Ion: 76 Resp: 73240
 Ion Ratio Lower Upper
 76 100
 78 31.0 25.2 37.8

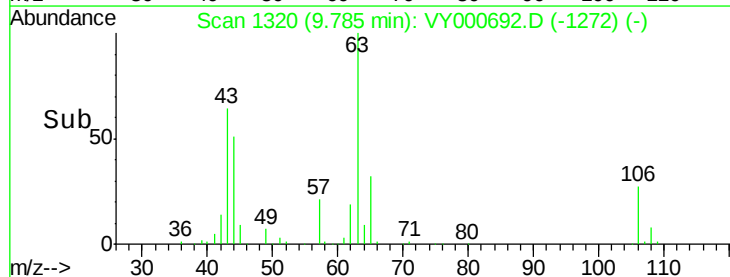
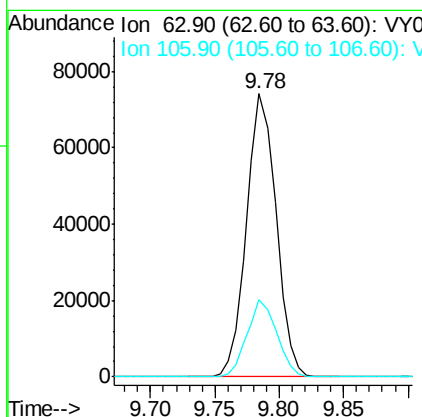
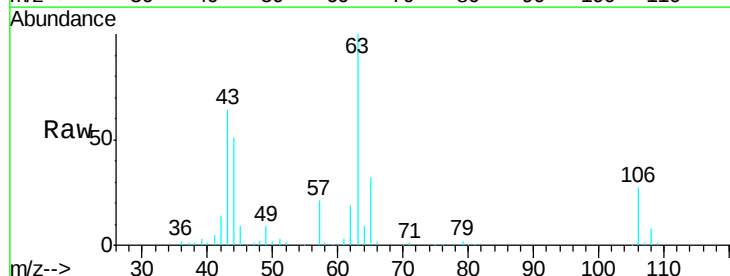
Manual Integrations
 APPROVED

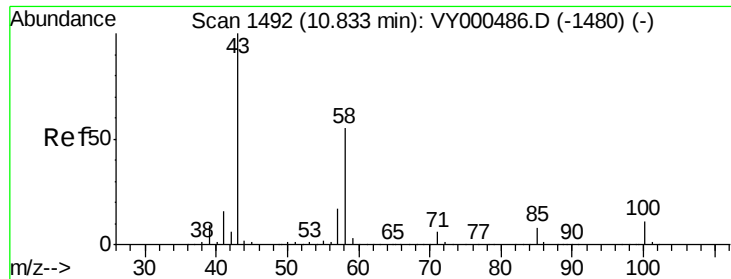
MMDadoda
 11/18/2019 3:24:20 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 95.620 ug/l
 RT: 9.78 min Scan# 1320
 Delta R.T. -0.01 min
 Lab File: VY000692.D
 Acq: 15 Nov 2019 11:54

Tgt Ion: 63 Resp: 117879
 Ion Ratio Lower Upper
 63 100
 106 27.2 22.6 33.8





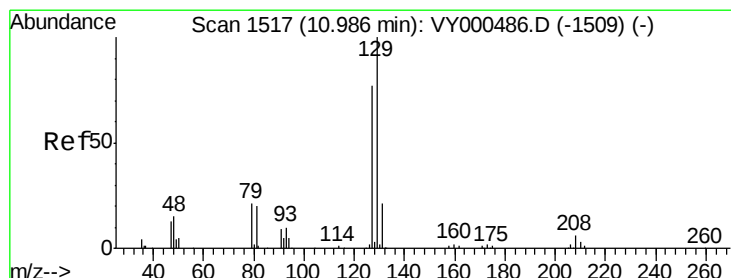
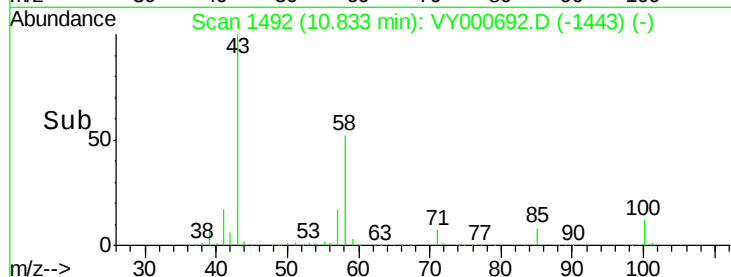
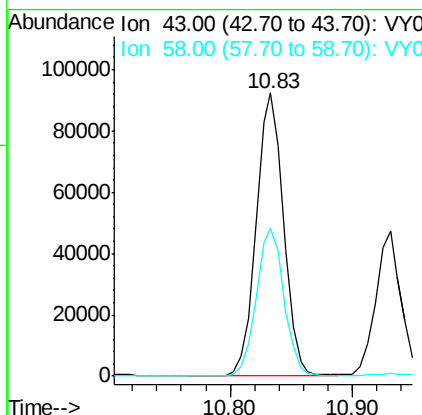
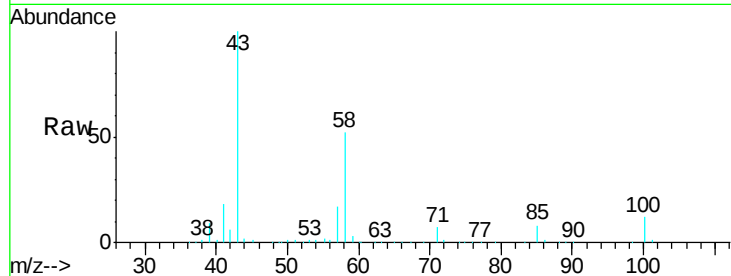
#59
2-Hexanone
Concen: 99.791 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VY000692.D
Acq: 15 Nov 2019 11:54

Instrument :
MSVOA_Y
ClientSampleId :
VY1115SBS01

Tgt Ion: 43 Resp: 144514
Ion Ratio Lower Upper
43 100
58 52.7 27.1 81.3

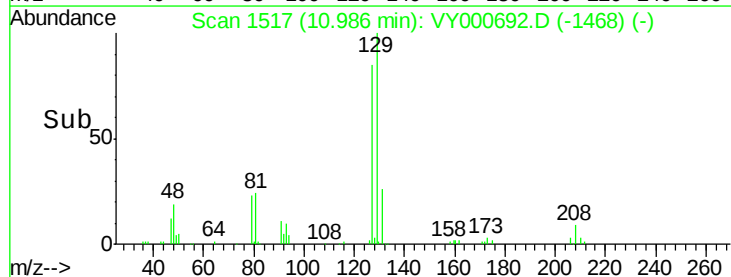
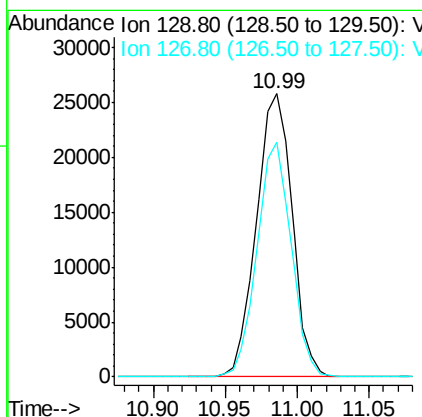
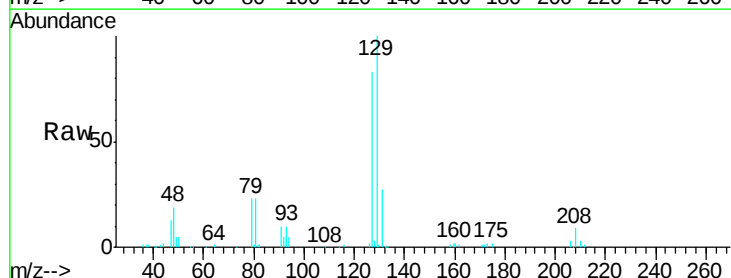
Manual Integrations
APPROVED

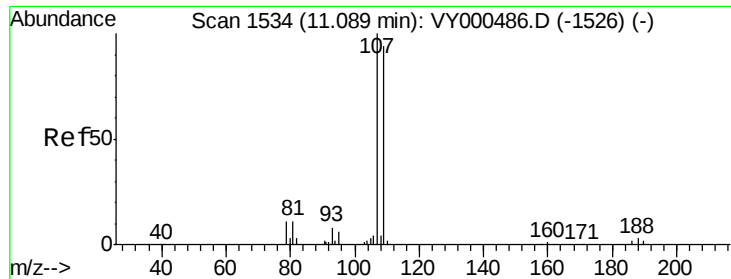
MMDadoda
11/18/2019 3:24:20 PM



#60
Dibromochloromethane
Concen: 20.101 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VY000692.D
Acq: 15 Nov 2019 11:54

Tgt Ion: 129 Resp: 44298
Ion Ratio Lower Upper
129 100
127 79.0 39.1 117.2





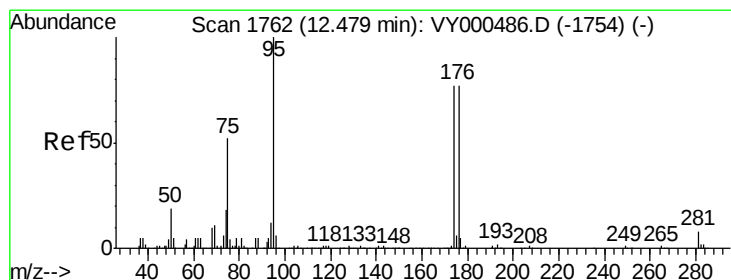
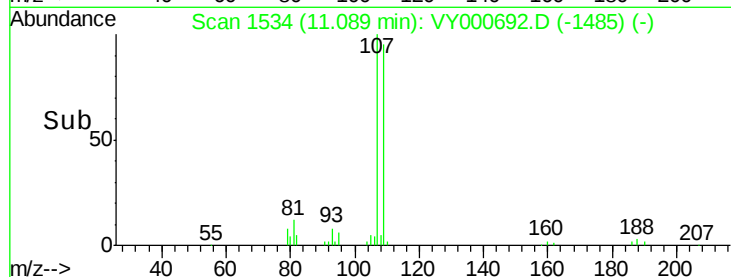
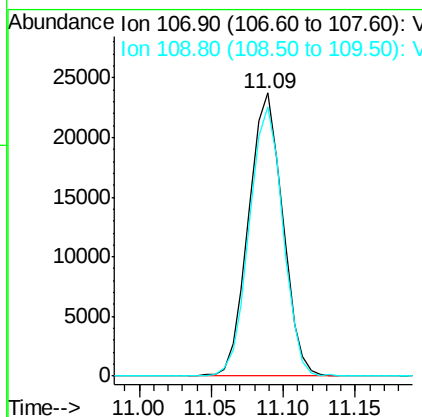
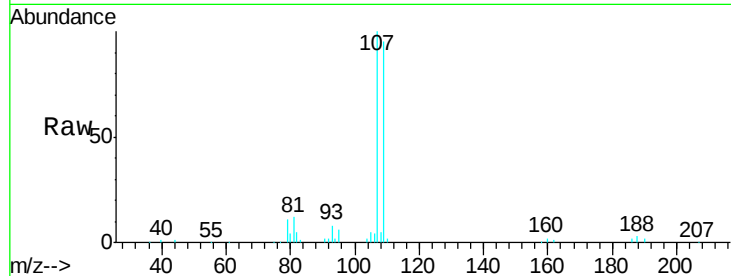
#61
 1,2-Dibromoethane
 Concen: 20.996 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VY000692.D
 Acq: 15 Nov 2019 11:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1115SBS01

Tgt Ion: 107 Resp: 38840
 Ion Ratio Lower Upper
 107 100
 109 93.4 73.6 110.4

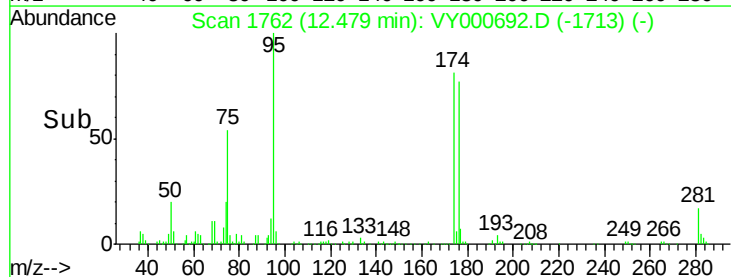
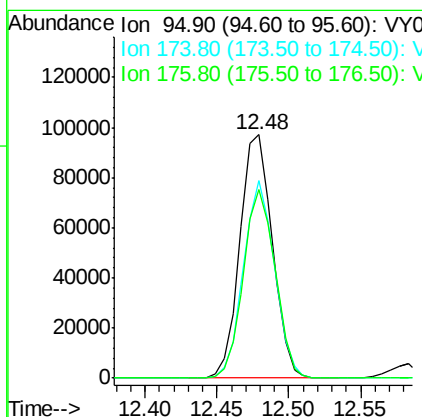
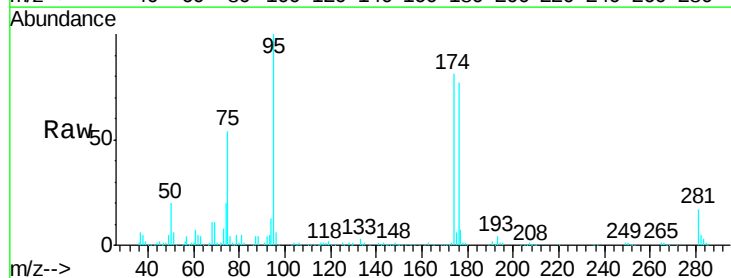
Manual Integrations
 APPROVED

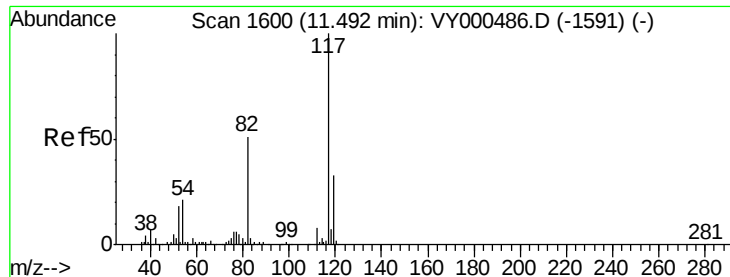
MMDadoda
 11/18/2019 3:24:20 PM



#62
 4-Bromofluorobenzene
 Concen: 50.624 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: VY000692.D
 Acq: 15 Nov 2019 11:54

Tgt Ion: 95 Resp: 152222
 Ion Ratio Lower Upper
 95 100
 174 77.4 0.0 161.6
 176 75.2 0.0 157.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1599

Delta R.T. -0.01 min

Lab File: VY000692.D

Acq: 15 Nov 2019 11:54

Instrument :

MSVOA_Y

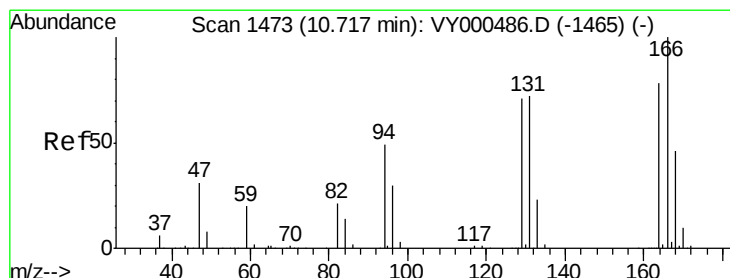
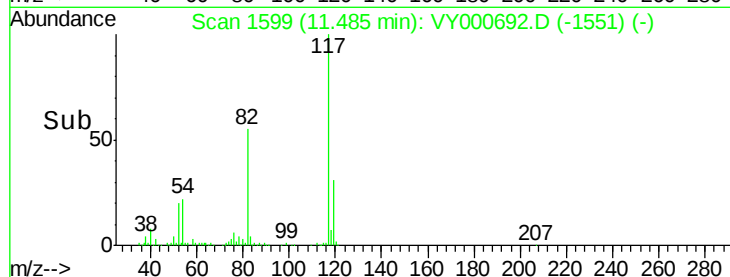
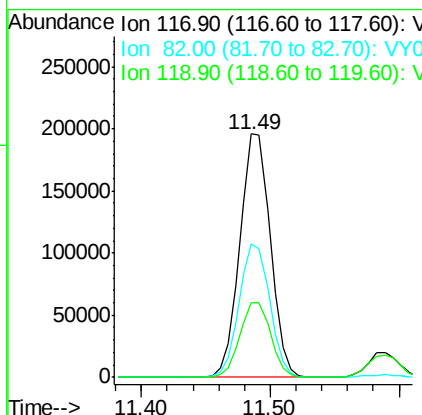
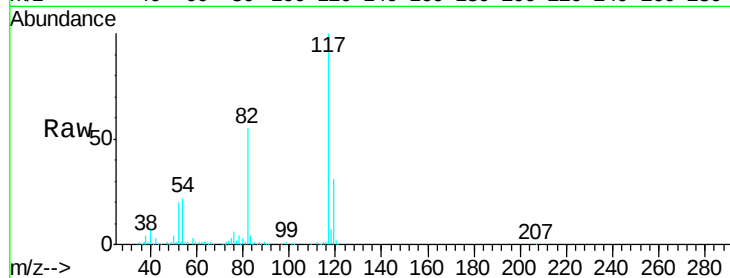
ClientSampleId :

VY1115SBS01

Tgt Ion:	117	Resp:	320226
Ion Ratio		Lower	Upper
117	100		
82	54.8	40.8	61.2
119	30.9	26.2	39.2

Manual Integrations
APPROVED

MMDadoda
11/18/2019 3:24:20 PM



#64

Tetrachloroethene

Concen: 20.641 ug/l

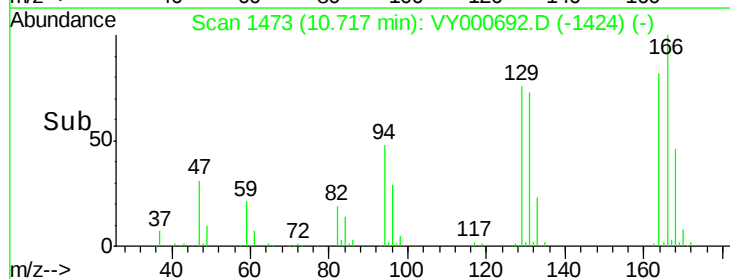
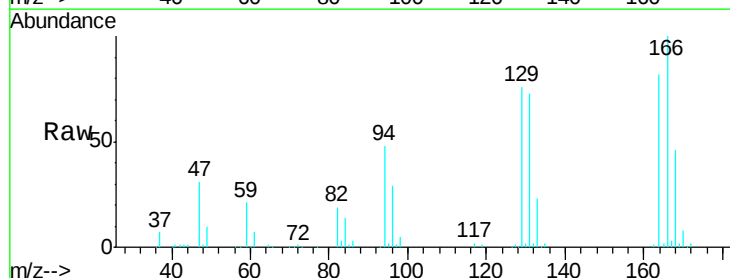
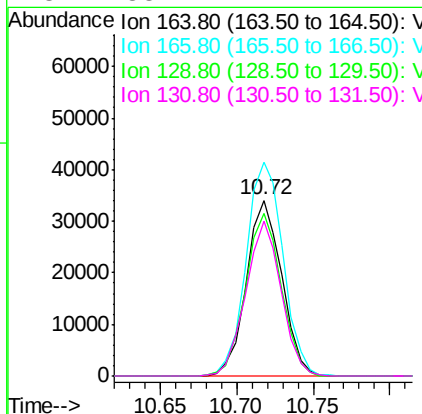
RT: 10.72 min Scan# 1473

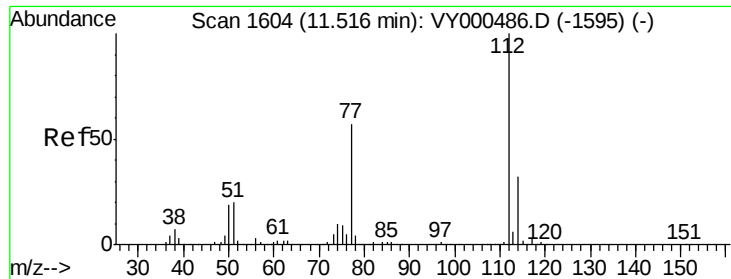
Delta R.T. 0.00 min

Lab File: VY000692.D

Acq: 15 Nov 2019 11:54

Tgt Ion:	164	Resp:	54655
Ion Ratio		Lower	Upper
164	100		
166	121.6	102.7	154.1
129	92.2	73.2	109.8
131	88.2	74.2	111.2





#65

Chlorobenzene

Concen: 21.357 ug/l

RT: 11.52 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VY000692.D

Acq: 15 Nov 2019 11:54

Instrument :

MSVOA_Y

ClientSampleId :

VY1115SBS01

Tgt Ion:112 Resp: 138659

Ion Ratio Lower Upper

112 100

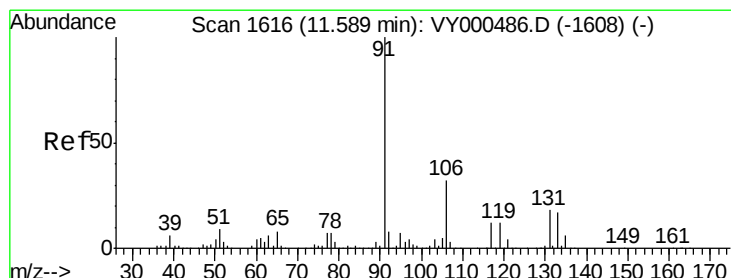
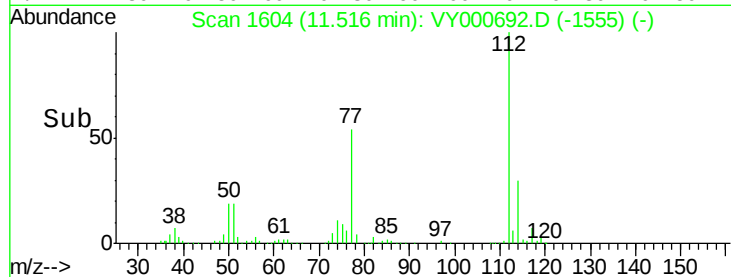
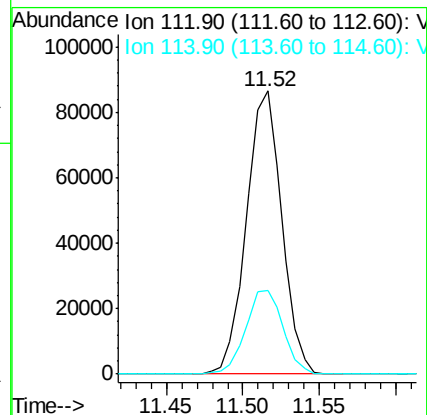
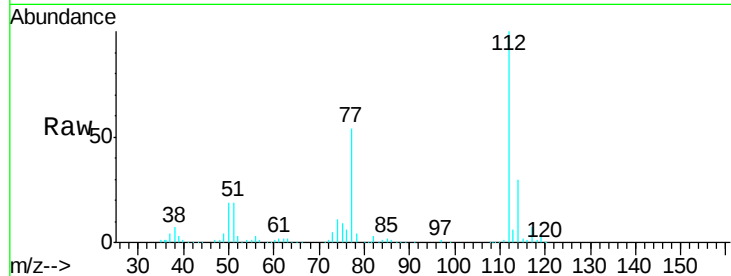
114 29.8 25.3 37.9

Manual Integrations

APPROVED

MMDadoda

11/18/2019 3:24:20 PM



#66

1,1,1,2-Tetrachloroethane

Concen: 21.655 ug/l

RT: 11.59 min Scan# 1616

Delta R.T. 0.00 min

Lab File: VY000692.D

Acq: 15 Nov 2019 11:54

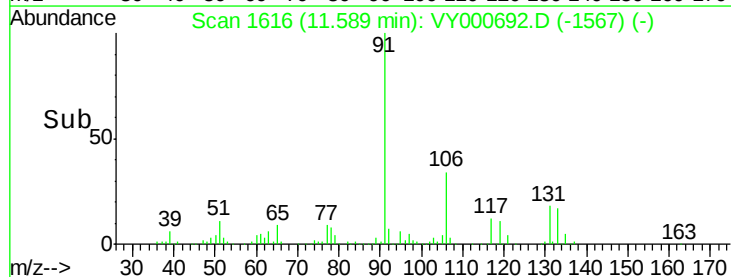
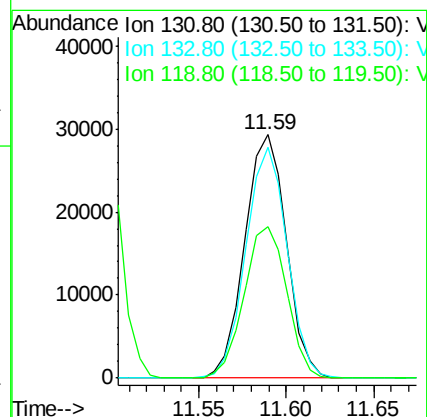
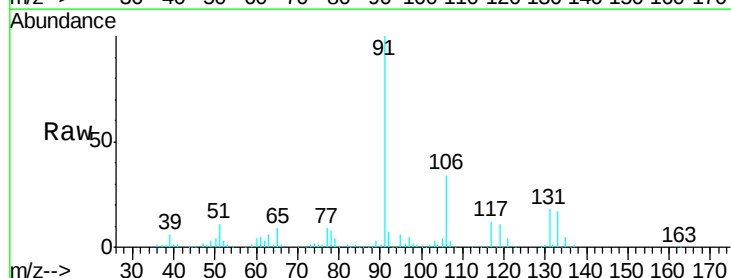
Tgt Ion:131 Resp: 48761

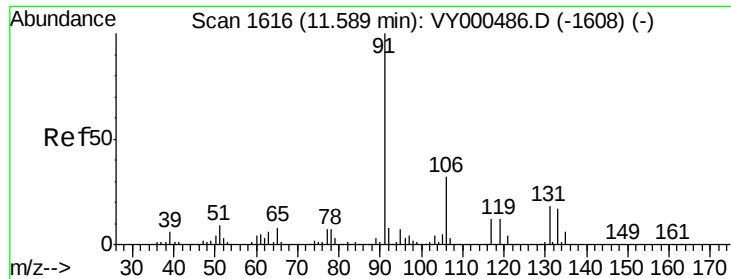
Ion Ratio Lower Upper

131 100

133 94.1 47.9 143.8

119 64.2 33.1 99.3





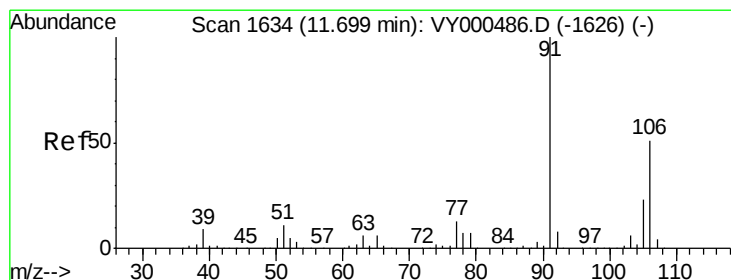
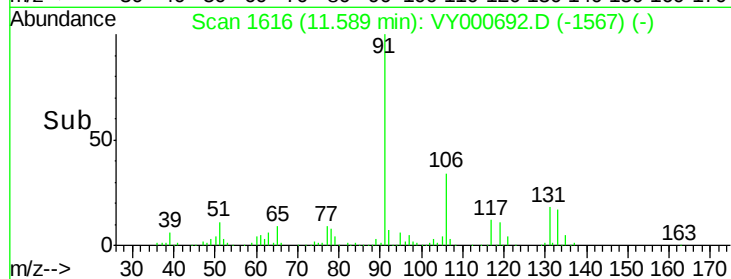
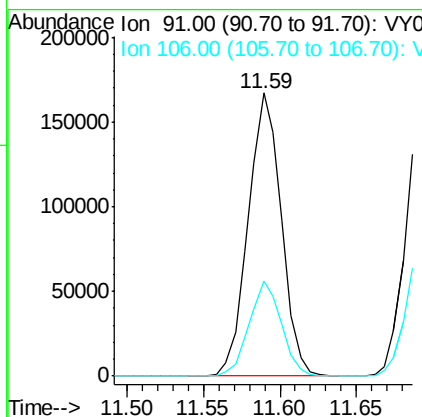
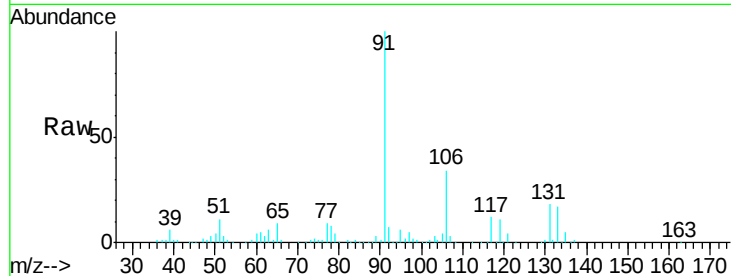
#67
Ethyl Benzene
Concen: 21.047 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VY000692.D
Acq: 15 Nov 2019 11:54

Instrument :
MSVOA_Y
ClientSampleId :
VY1115SBS01

Tgt Ion: 91 Resp: 251486
Ion Ratio Lower Upper
91 100
106 33.6 25.4 38.0

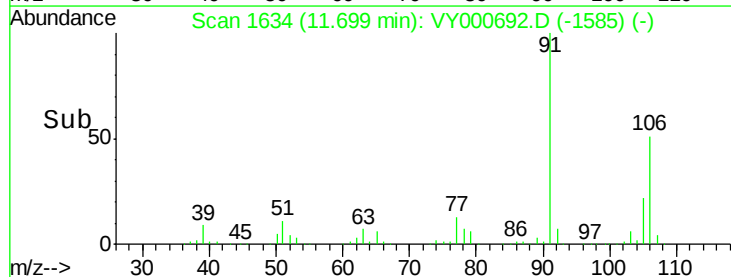
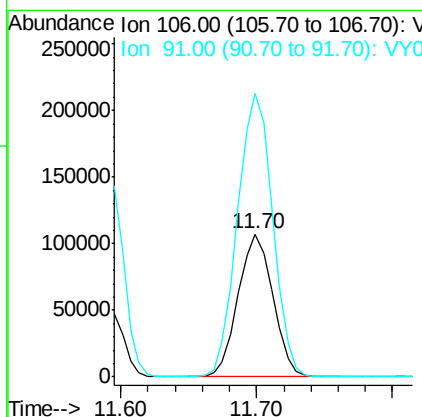
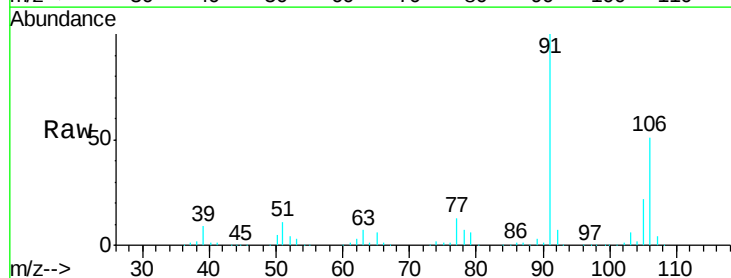
Manual Integrations
APPROVED

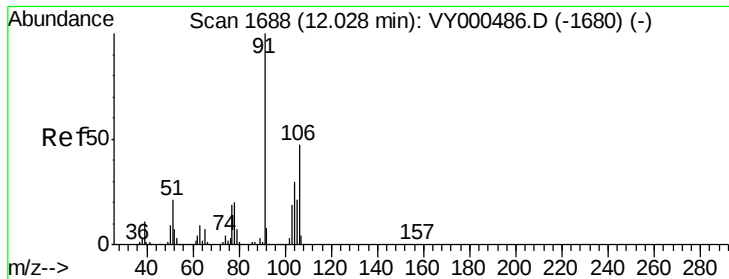
MMDadoda
11/18/2019 3:24:20 PM



#68
m/p-Xylenes
Concen: 41.388 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VY000692.D
Acq: 15 Nov 2019 11:54

Tgt Ion: 106 Resp: 191409
Ion Ratio Lower Upper
106 100
91 201.2 155.9 233.9





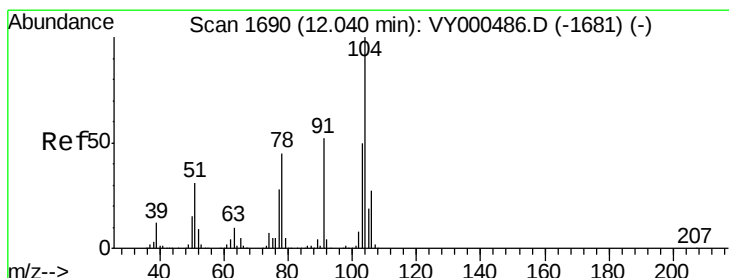
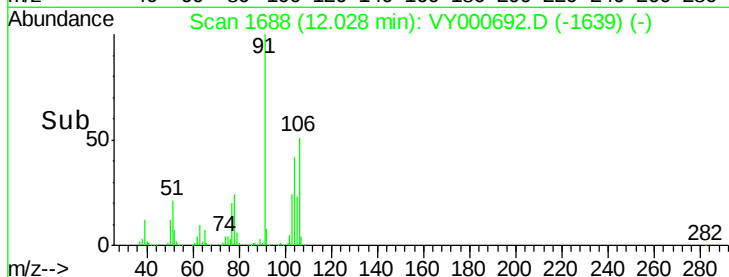
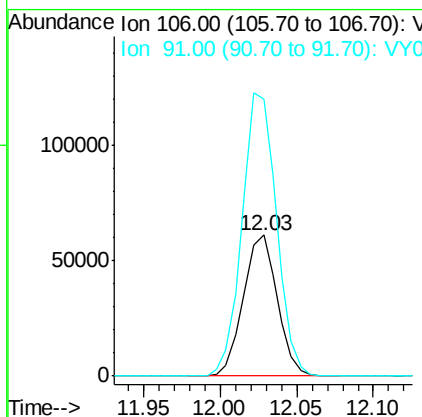
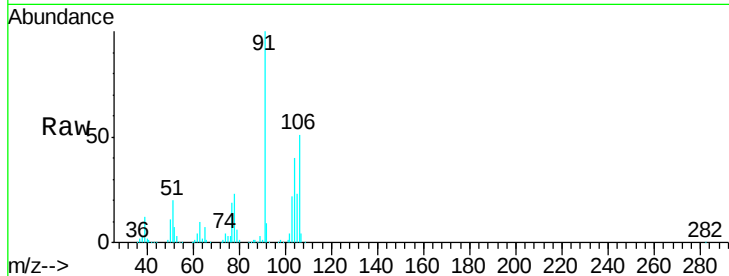
#69
o-Xylene
Concen: 21.706 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VY000692.D
Acq: 15 Nov 2019 11:54

Instrument :
MSVOA_Y
ClientSampleId :
VY1115SBS01

Tgt Ion:106 Resp: 94345
Ion Ratio Lower Upper
106 100
91 203.1 106.5 319.6

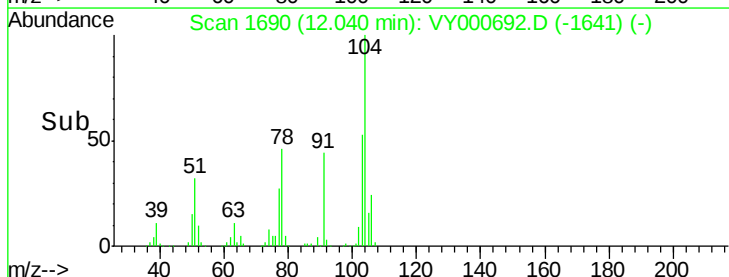
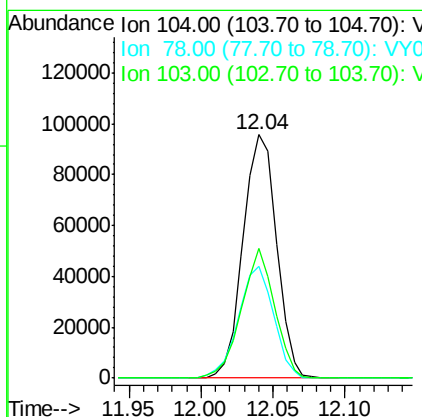
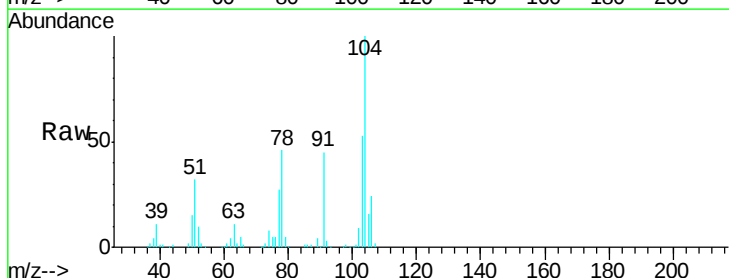
Manual Integrations
APPROVED

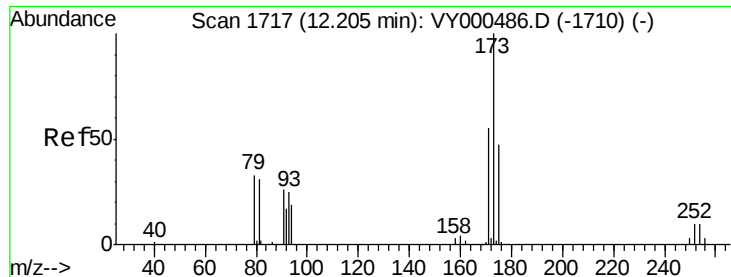
MMDadoda
11/18/2019 3:24:20 PM



#70
Styrene
Concen: 20.711 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VY000692.D
Acq: 15 Nov 2019 11:54

Tgt Ion:104 Resp: 154146
Ion Ratio Lower Upper
104 100
78 48.4 39.0 58.4
103 52.9 42.5 63.7





#71

Bromoform

Concen: 21.087 ug/l

RT: 12.20 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VY000692.D

Acq: 15 Nov 2019 11:54

Instrument :

MSVOA_Y

ClientSampleId :

VY1115SBS01

Tgt Ion:173 Resp: 27310

Ion Ratio Lower Upper

173 100

175 47.7 24.4 73.2

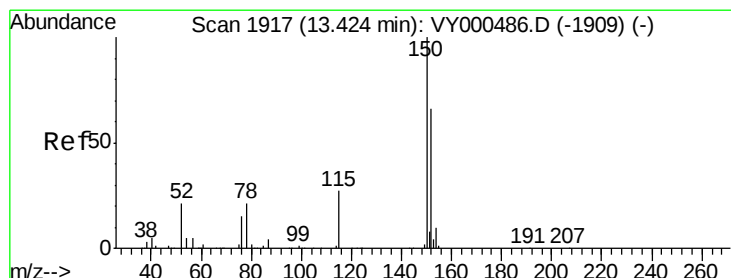
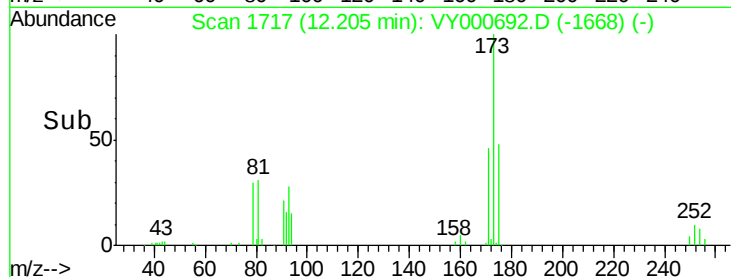
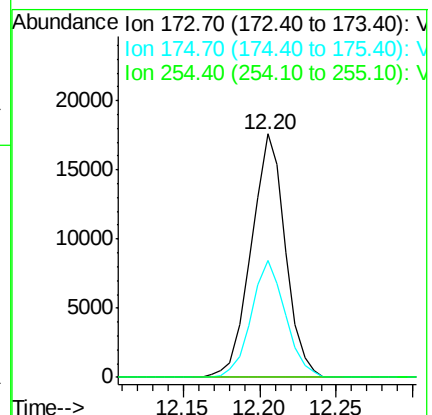
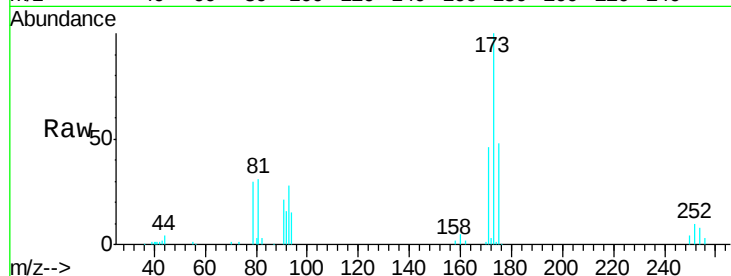
254 0.0 0.1 0.1#

Manual Integrations

APPROVED

MMDadoda

11/18/2019 3:24:20 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: VY000692.D

Acq: 15 Nov 2019 11:54

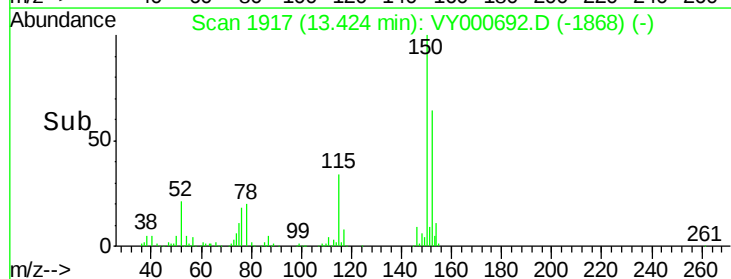
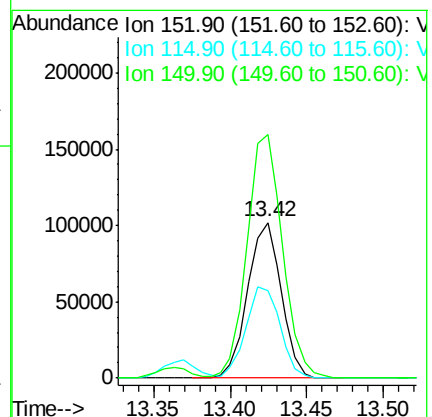
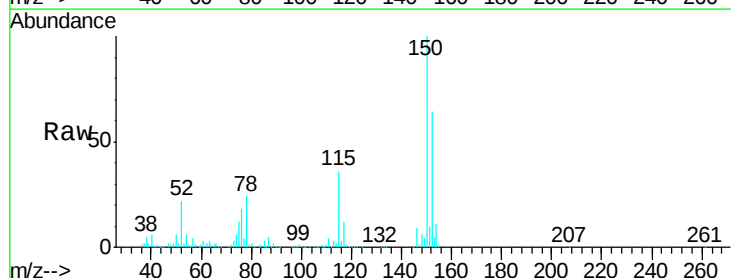
Tgt Ion:152 Resp: 154978

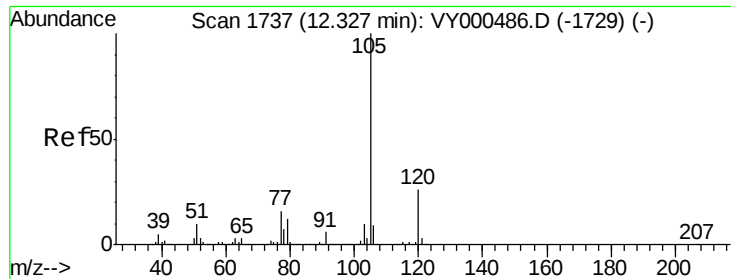
Ion Ratio Lower Upper

152 100

115 60.2 29.1 87.4

150 166.6 0.0 348.8





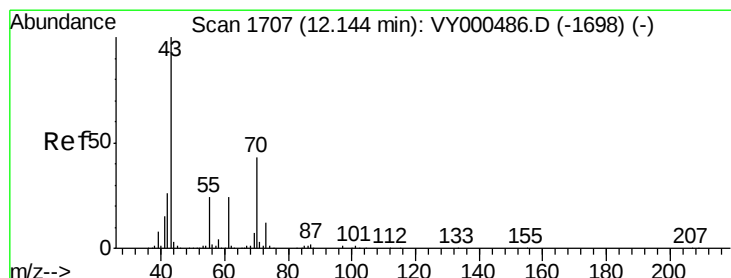
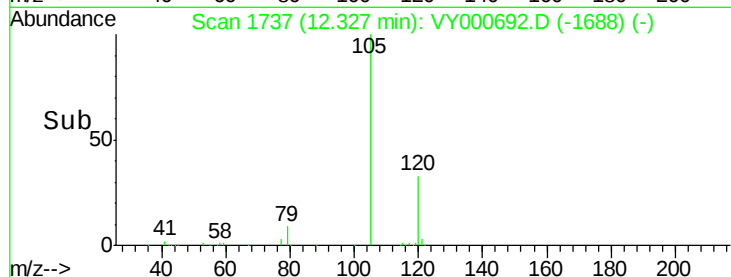
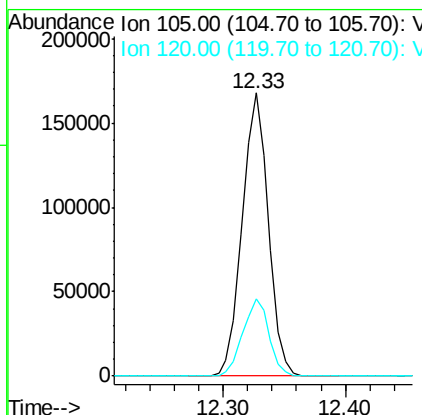
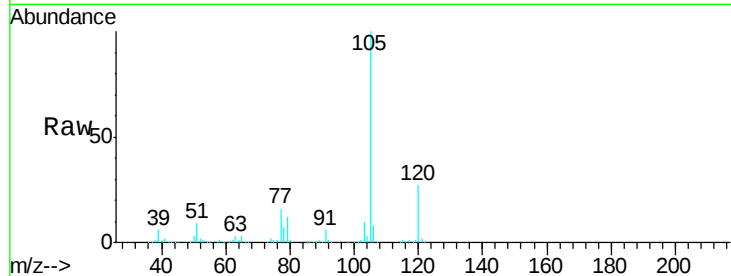
#73
Isopropylbenzene
Concen: 21.622 ug/l
RT: 12.33 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VY000692.D
Acq: 15 Nov 2019 11:54

Instrument :
MSVOA_Y
ClientSampleId :
VY1115SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	247657		
120	27.4	13.5	40.4	

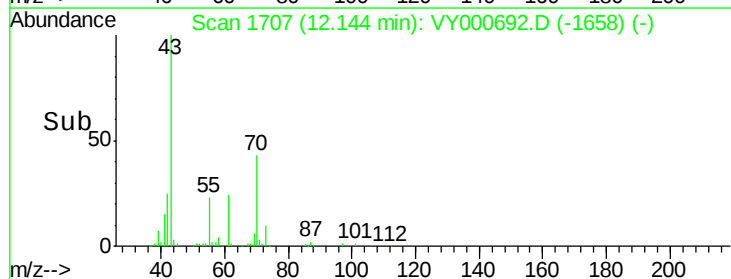
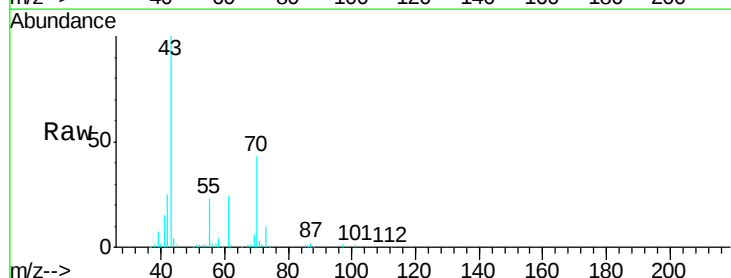
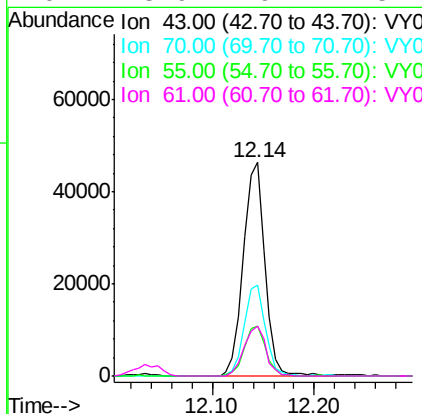
Manual Integrations
APPROVED

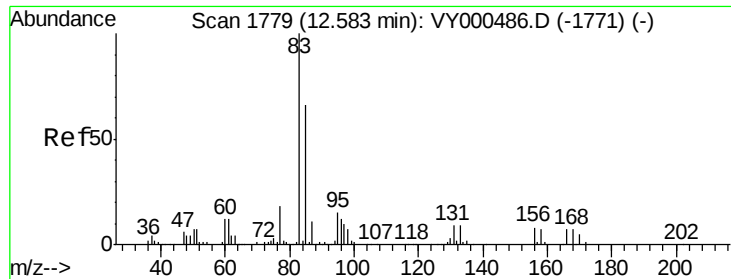
MMDadoda
11/18/2019 3:24:20 PM



#74
N-ethyl acetate
Concen: 20.797 ug/l
RT: 12.14 min Scan# 1707
Delta R.T. 0.00 min
Lab File: VY000692.D
Acq: 15 Nov 2019 11:54

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	68222		
70	41.7	33.1	49.7	
55	23.3	18.0	27.0	
61	23.9	19.1	28.7	





#75

1,1,2,2-Tetrachloroethane

Concen: 22.114 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VY000692.D

Acq: 15 Nov 2019 11:54

Instrument :

MSVOA_Y

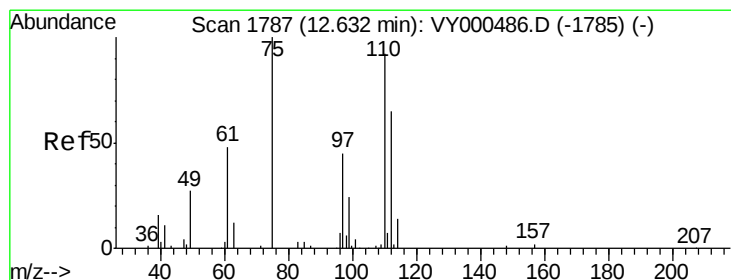
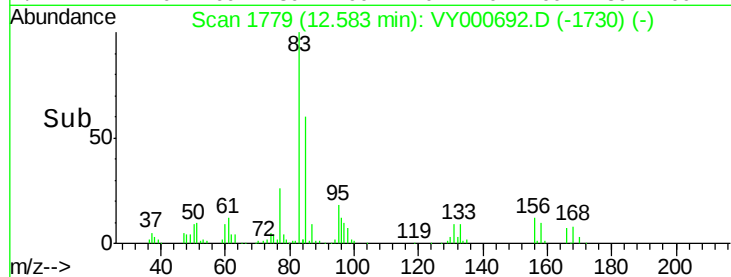
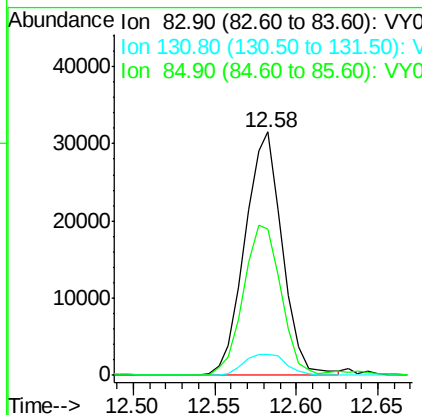
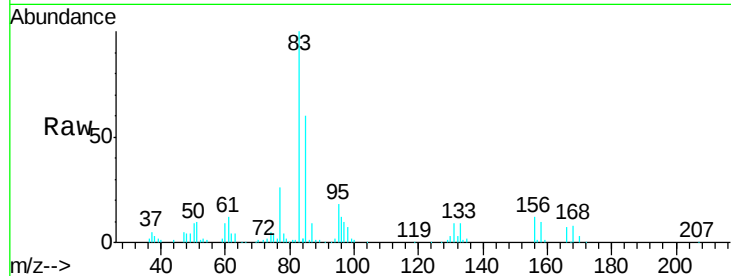
ClientSampleId :

VY1115SBS01

Tgt Ion:	83	Resp:	50152
Ion Ratio	Lower	Upper	
83	100		
131	10.1	5.0	14.9
85	62.5	32.3	96.9

Manual Integrations
APPROVED

MMDadoda
11/18/2019 3:24:20 PM



#76

1,2,3-Trichloropropane

Concen: 18.937 ug/l m

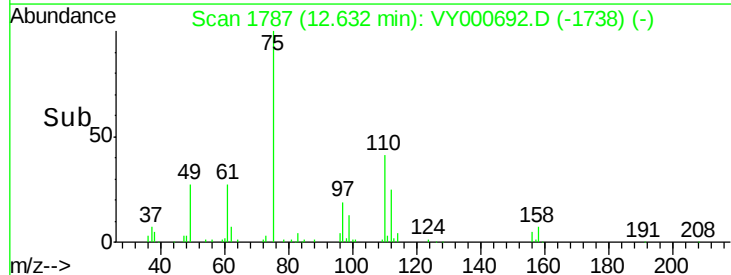
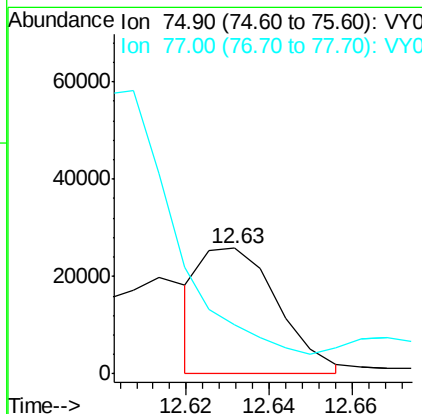
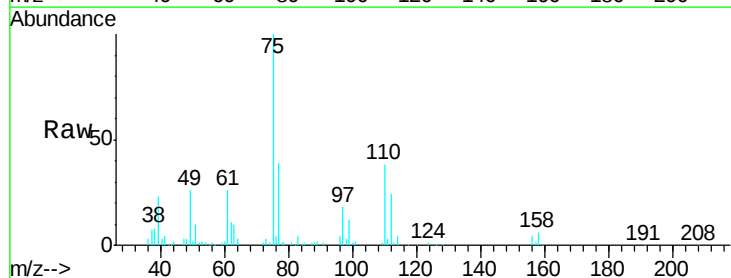
RT: 12.63 min Scan# 1787

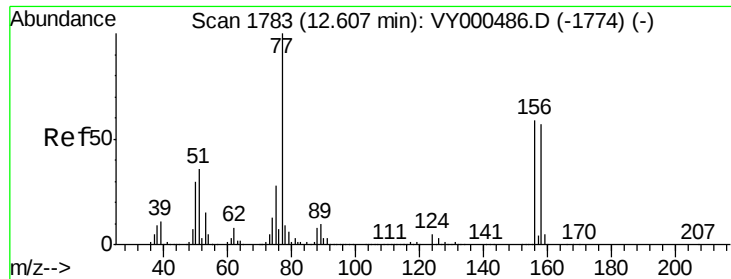
Delta R.T. 0.00 min

Lab File: VY000692.D

Acq: 15 Nov 2019 11:54

Tgt Ion:	75	Resp:	33417
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.436 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VY000692.D

Acq: 15 Nov 2019 11:54

Instrument :

MSVOA_Y

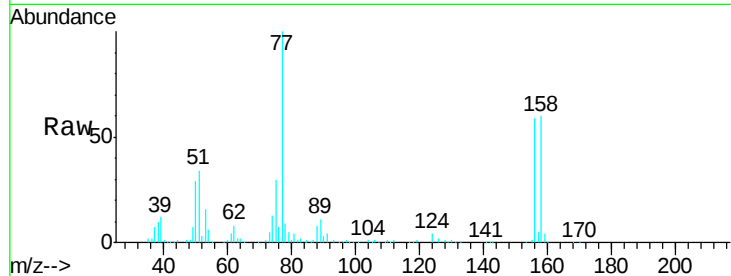
ClientSampleId :

VY1115SBS01

Tgt Ion	Ratio	Lower	Upper
156	100		
77	195.8	98.2	294.4
158	96.4	49.6	149.0

Manual Integrations
APPROVED

MMDadoda
11/18/2019 3:24:20 PM

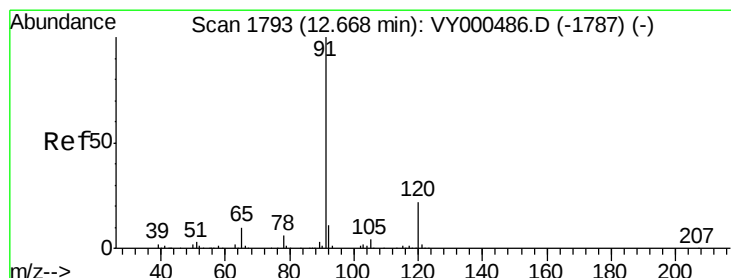
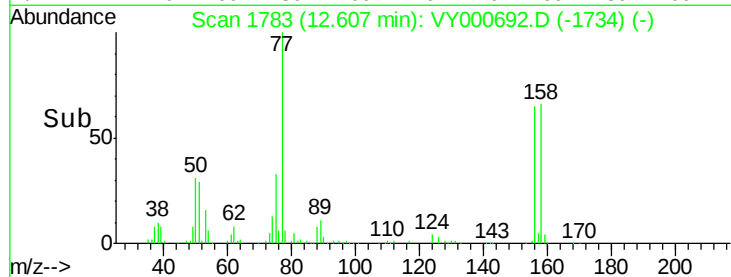
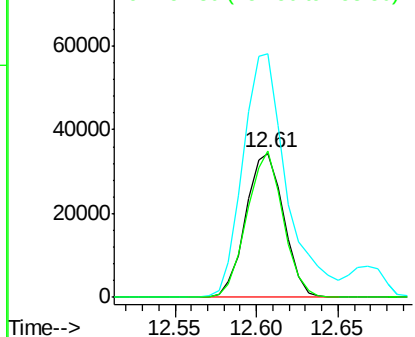


Abundance

Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.920 ug/l

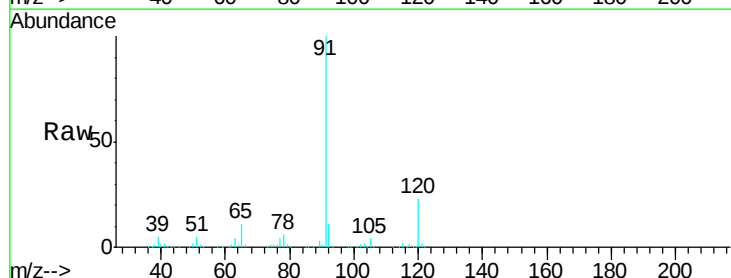
RT: 12.67 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VY000692.D

Acq: 15 Nov 2019 11:54

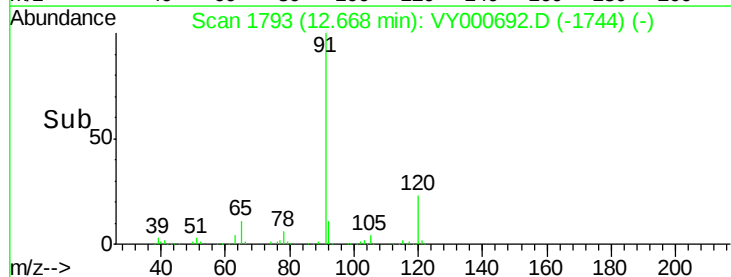
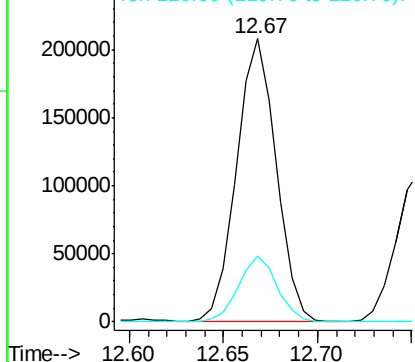
Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.5	11.4	34.1

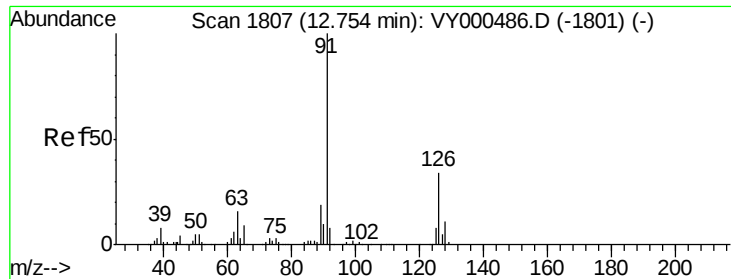


Abundance

Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





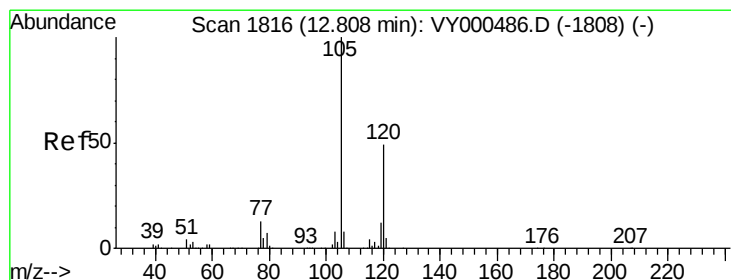
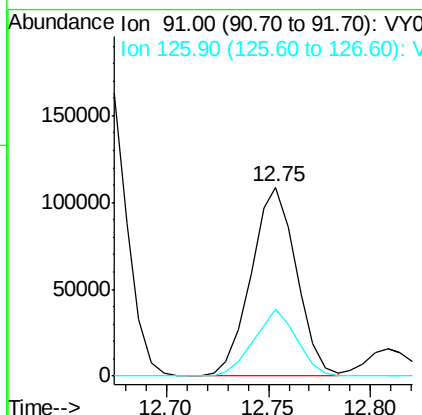
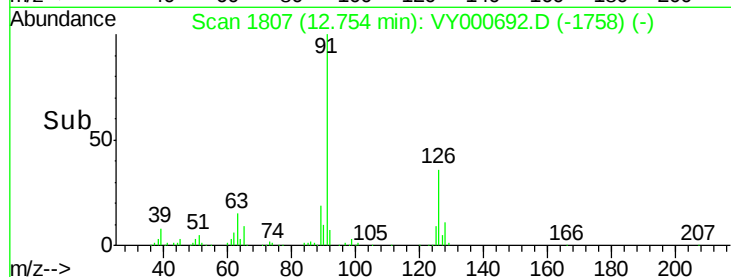
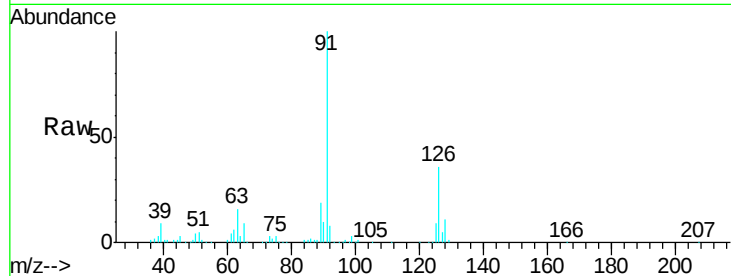
#79
2-Chlorotoluene
Concen: 21.880 ug/l
RT: 12.75 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VY000692.D
Acq: 15 Nov 2019 11:54

Instrument :
MSVOA_Y
ClientSampleId :
VY1115SBS01

Tgt Ion: 91 Resp: 167871
Ion Ratio Lower Upper
91 100
126 33.7 17.7 53.1

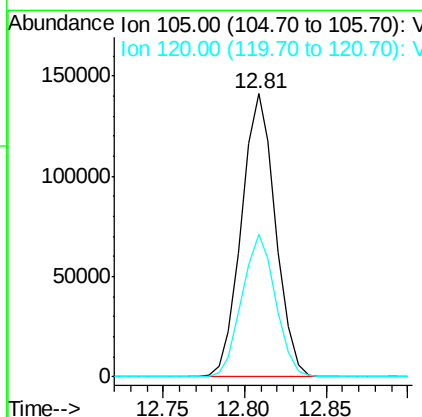
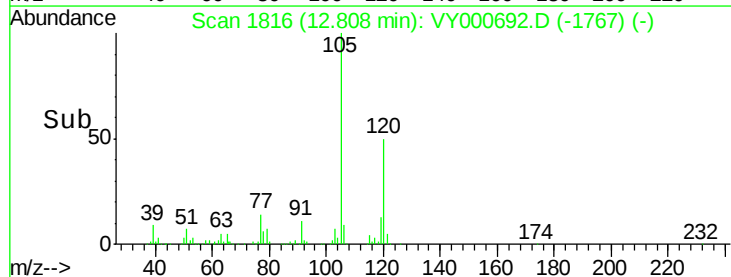
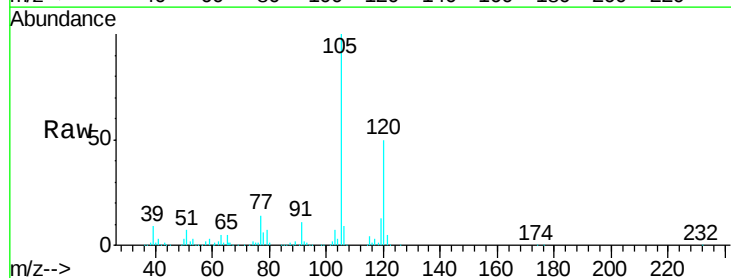
Manual Integrations
APPROVED

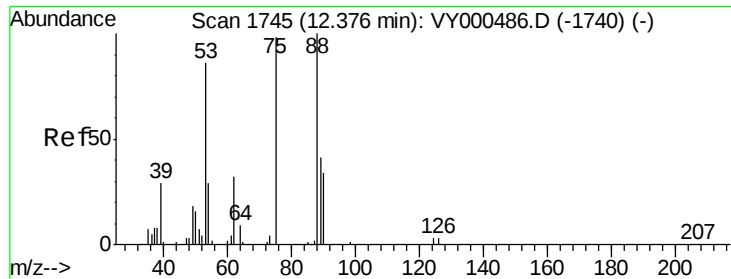
MMDadoda
11/18/2019 3:24:20 PM



#80
1,3,5-Trimethylbenzene
Concen: 21.532 ug/l
RT: 12.81 min Scan# 1816
Delta R.T. 0.00 min
Lab File: VY000692.D
Acq: 15 Nov 2019 11:54

Tgt Ion: 105 Resp: 205404
Ion Ratio Lower Upper
105 100
120 49.8 24.9 74.8





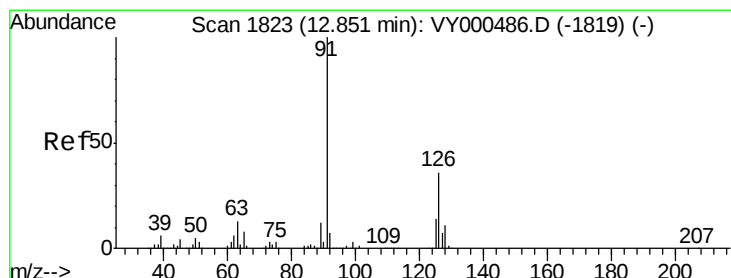
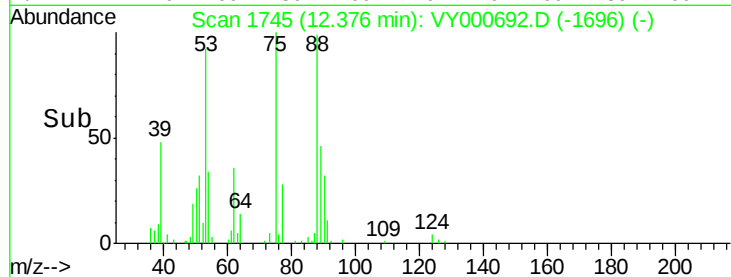
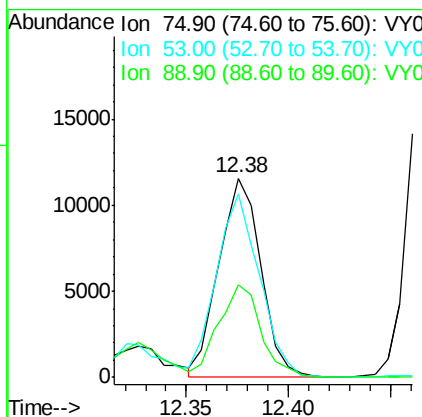
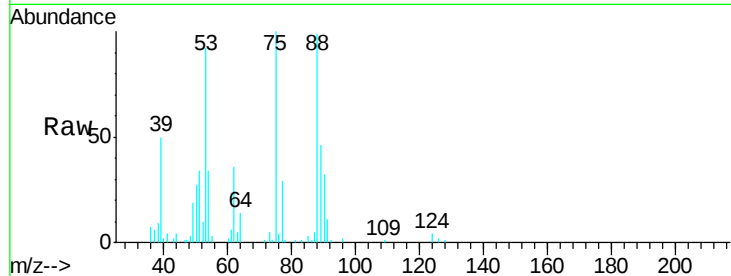
#81
trans-1,4-Dichloro-2-butene
Concen: 20.914 ug/l
RT: 12.38 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VY000692.D
Acq: 15 Nov 2019 11:54

Instrument :
MSVOA_Y
ClientSampleId :
VY1115SBS01

Tgt Ion	Ratio	Lower	Upper
75	100		
53	94.6	73.2	109.8
89	46.7	35.9	53.9

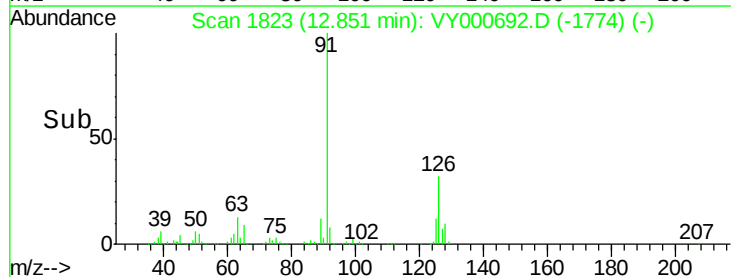
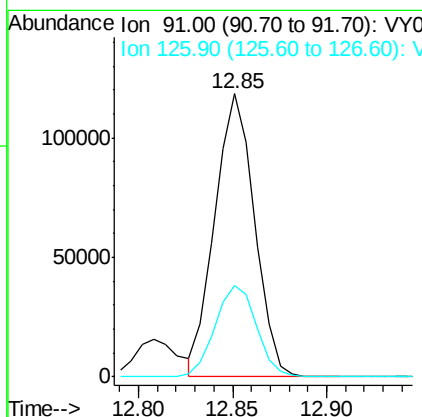
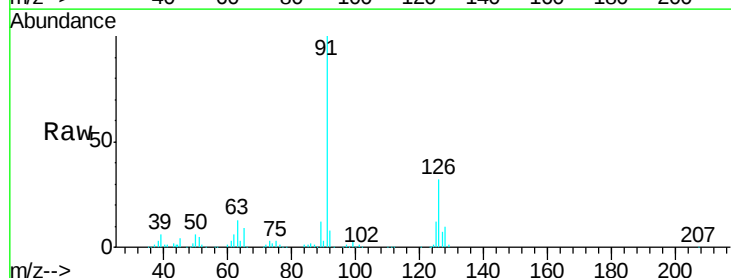
Manual Integrations
APPROVED

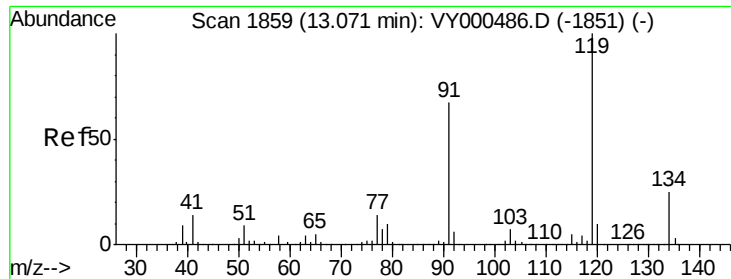
MMDadoda
11/18/2019 3:24:20 PM



#82
4-Chlorotoluene
Concen: 21.779 ug/l
RT: 12.85 min Scan# 1823
Delta R.T. 0.00 min
Lab File: VY000692.D
Acq: 15 Nov 2019 11:54

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.5	17.6	52.9





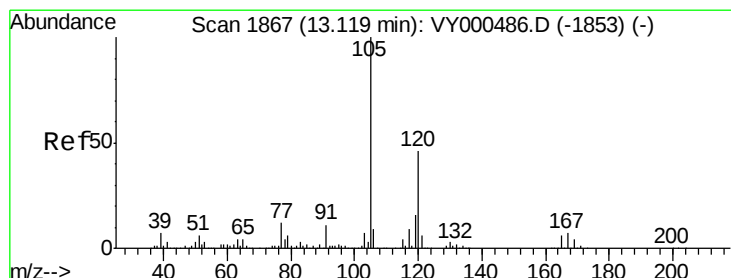
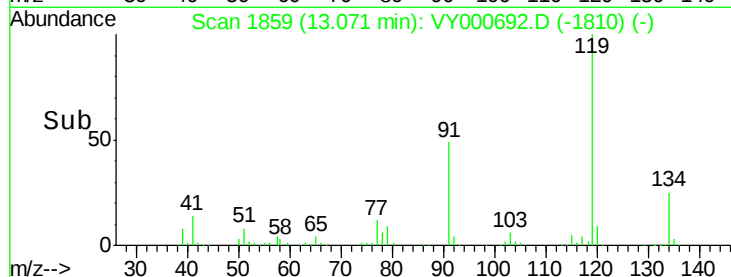
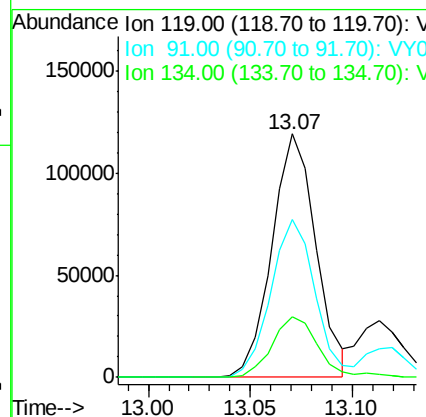
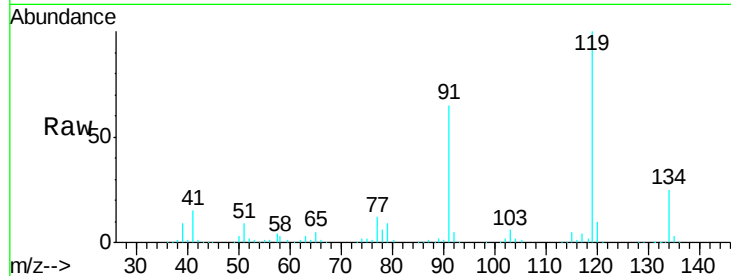
#83
 tert-Butylbenzene
 Concen: 22.019 ug/l
 RT: 13.07 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VY000692.D
 Acq: 15 Nov 2019 11:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1115SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	179349		
91	65.6	32.1	96.3	
134	26.4	13.2	39.5	

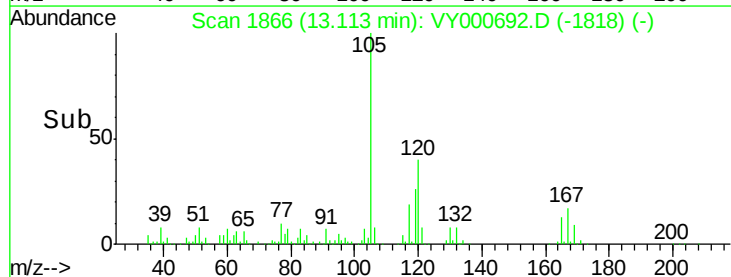
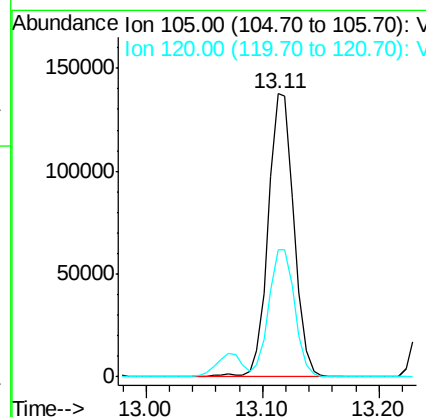
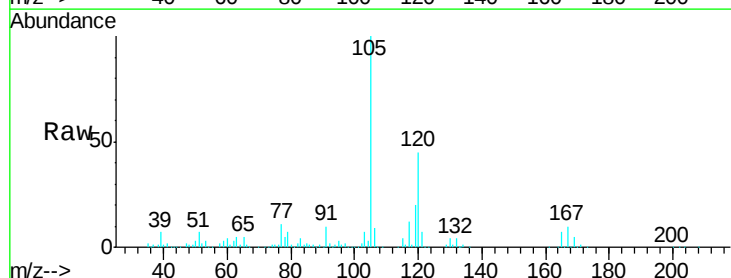
Manual Integrations
 APPROVED

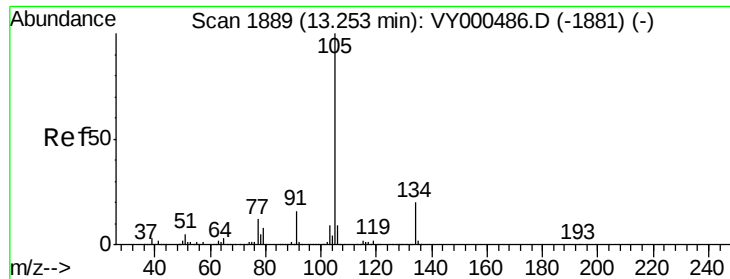
MMDadoda
 11/18/2019 3:24:20 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 22.246 ug/l
 RT: 13.11 min Scan# 1866
 Delta R.T. -0.01 min
 Lab File: VY000692.D
 Acq: 15 Nov 2019 11:54

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	211298		
120	45.3	23.3	69.9	





#85

sec-Butylbenzene

Concen: 22.037 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. 0.00 min

Lab File: VY000692.D

Acq: 15 Nov 2019 11:54

Instrument :

MSVOA_Y

ClientSampleId :

VY1115SBS01

Tgt Ion:105 Resp: 255727

Ion Ratio Lower Upper

105 100

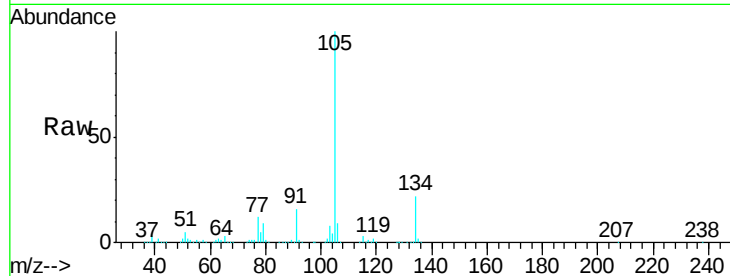
134 20.4 10.1 30.1

Manual Integrations

APPROVED

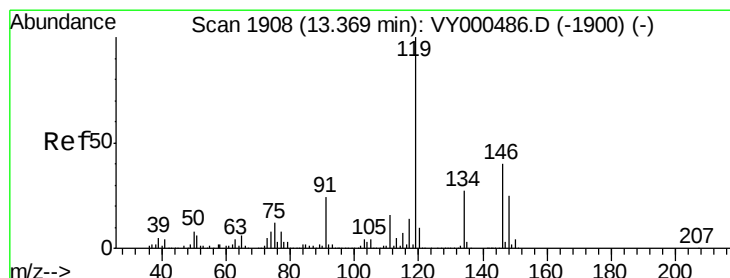
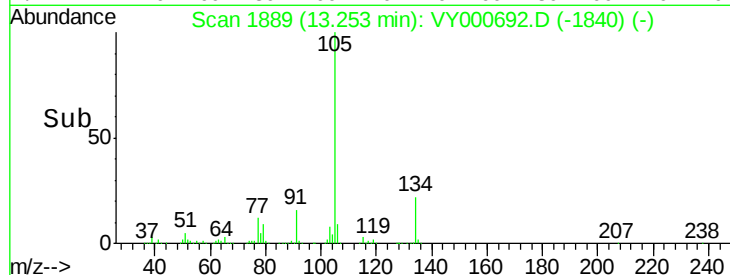
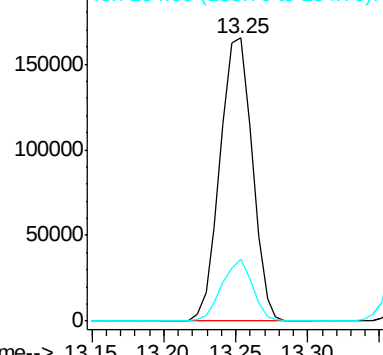
MMDadoda

11/18/2019 3:24:20 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 22.336 ug/l

RT: 13.36 min Scan# 1907

Delta R.T. -0.01 min

Lab File: VY000692.D

Acq: 15 Nov 2019 11:54

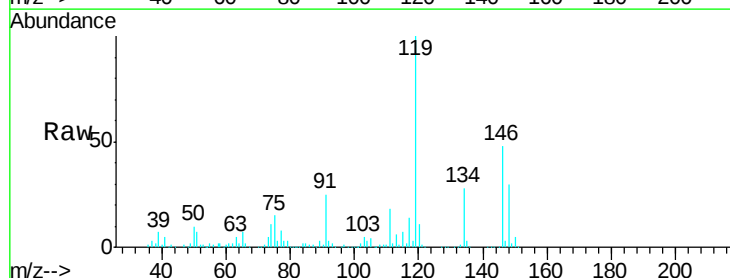
Tgt Ion:119 Resp: 231015

Ion Ratio Lower Upper

119 100

134 27.7 13.6 40.8

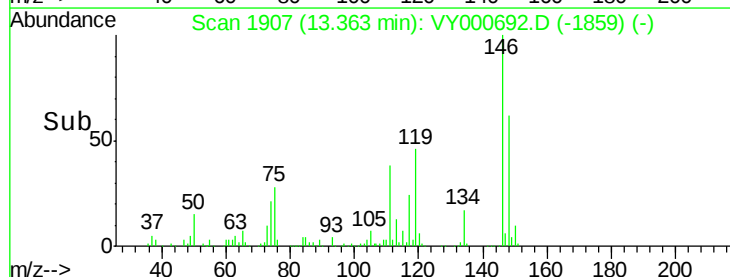
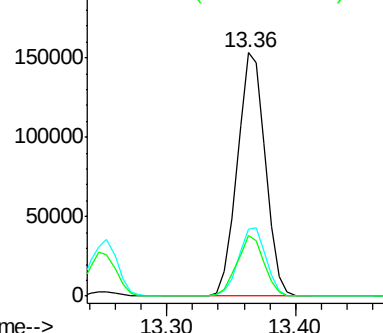
91 24.0 12.0 36.1

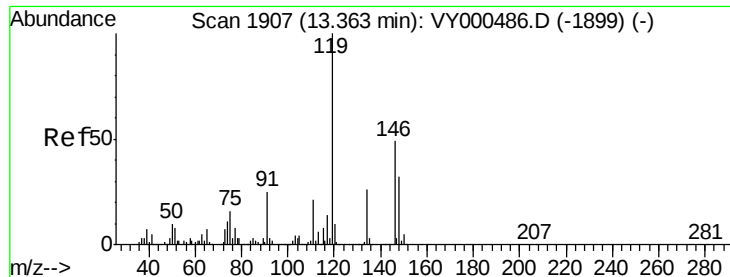


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0





#87

1,3-Dichlorobenzene

Concen: 21.305 ug/l

RT: 13.36 min Scan# 1907

Delta R.T. 0.00 min

Lab File: VY000692.D

Acq: 15 Nov 2019 11:54

Instrument :

MSVOA_Y

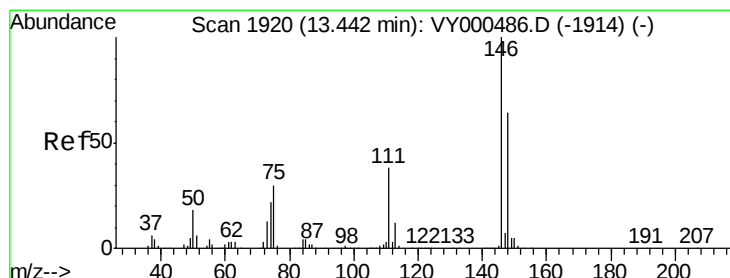
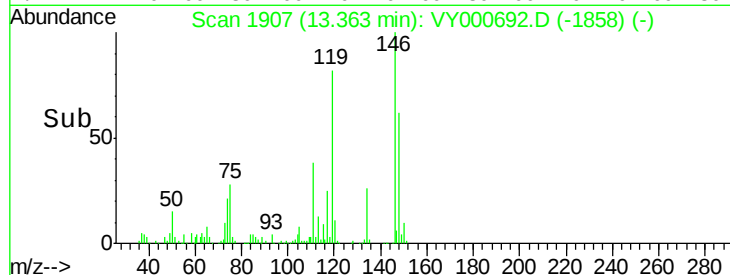
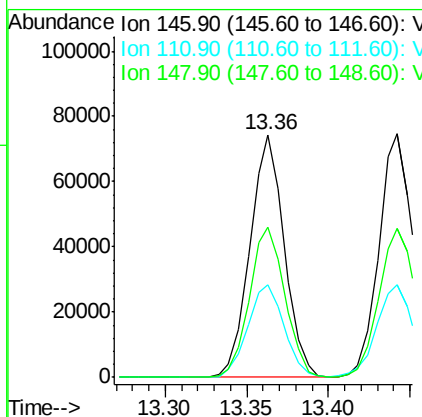
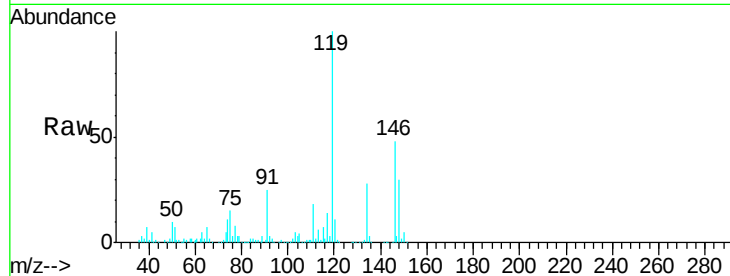
ClientSampleId :

VY1115SBS01

Tgt Ion:	146	Resp:	108392
Ion Ratio	Lower	Upper	
146	100		
111	40.4	20.3	60.8
148	63.9	31.5	94.5

Manual Integrations
APPROVED

MMDadoda
11/18/2019 3:24:20 PM



#88

1,4-Dichlorobenzene

Concen: 21.595 ug/l

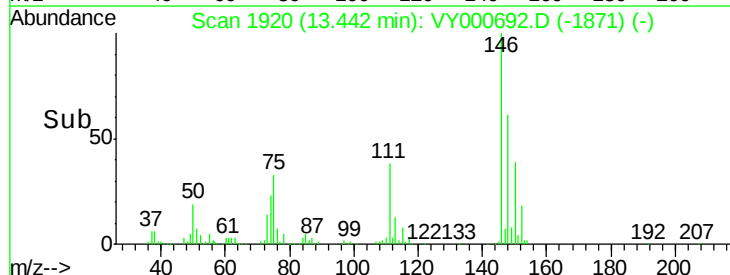
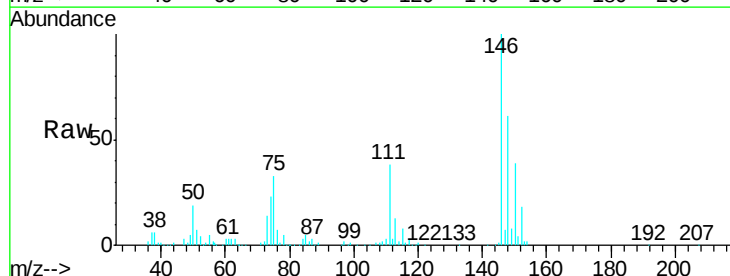
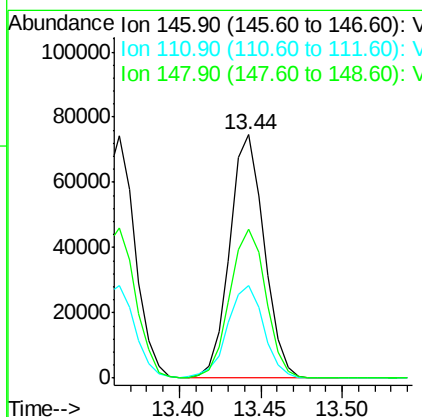
RT: 13.44 min Scan# 1920

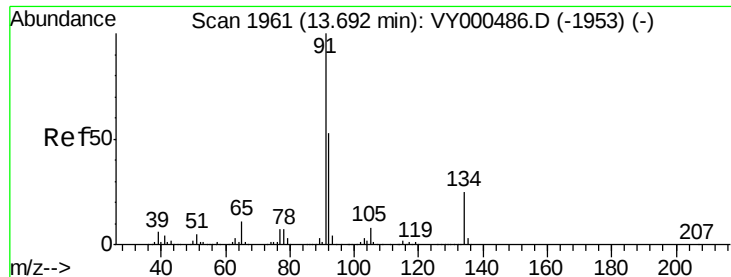
Delta R.T. 0.00 min

Lab File: VY000692.D

Acq: 15 Nov 2019 11:54

Tgt Ion:	146	Resp:	109785
Ion Ratio	Lower	Upper	
146	100		
111	40.2	19.7	59.0
148	64.4	31.9	95.7





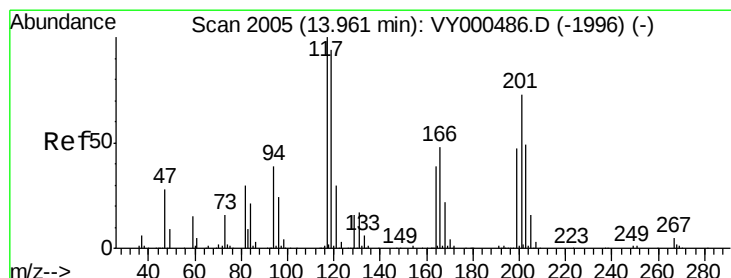
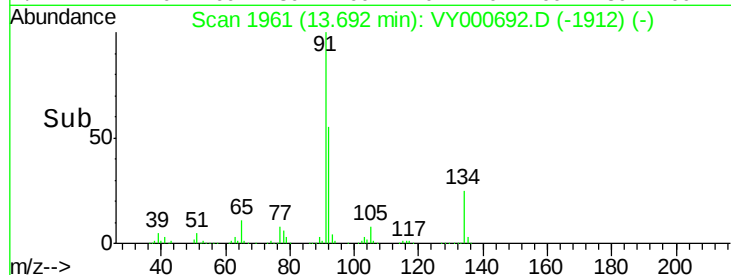
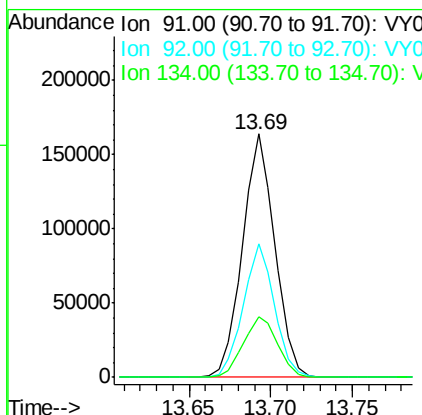
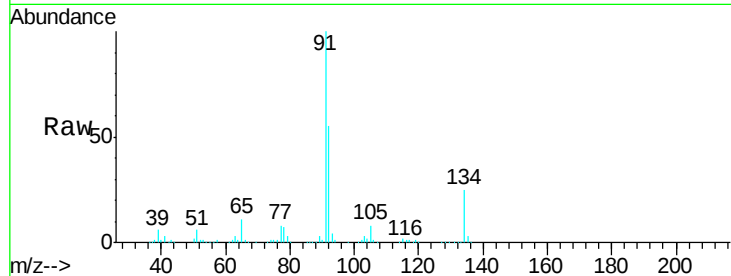
#89
n-Butylbenzene
Concen: 22.203 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. 0.00 min
Lab File: VY000692.D
Acq: 15 Nov 2019 11:54

Instrument :
MSVOA_Y
ClientSampleId :
VY1115SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	226495		
92	53.1	26.8	80.3	
134	26.4	12.9	38.7	

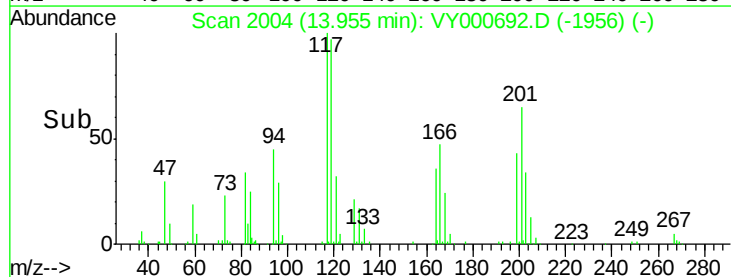
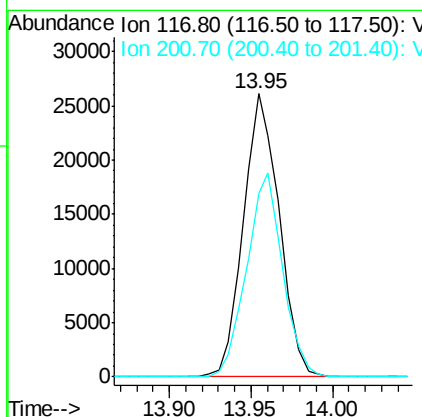
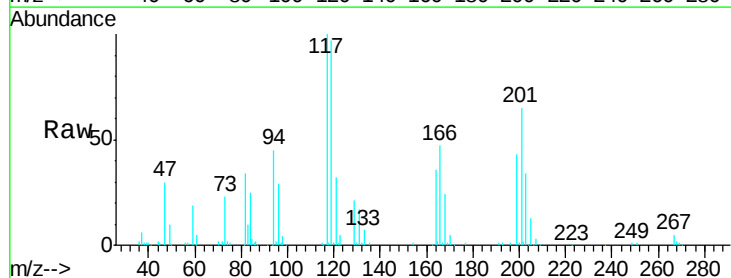
Manual Integrations
APPROVED

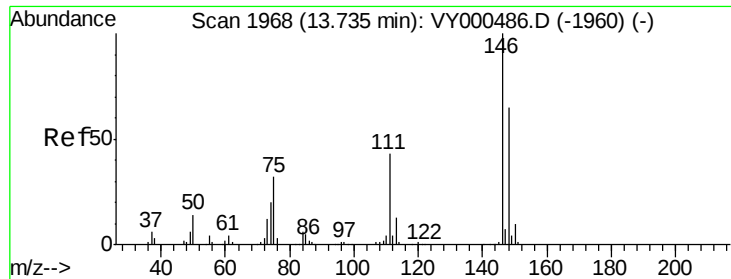
MMDadoda
11/18/2019 3:24:20 PM



#90
Hexachloroethane
Concen: 20.819 ug/l
RT: 13.95 min Scan# 2004
Delta R.T. -0.01 min
Lab File: VY000692.D
Acq: 15 Nov 2019 11:54

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	39807		
201	72.5	35.8	107.3	





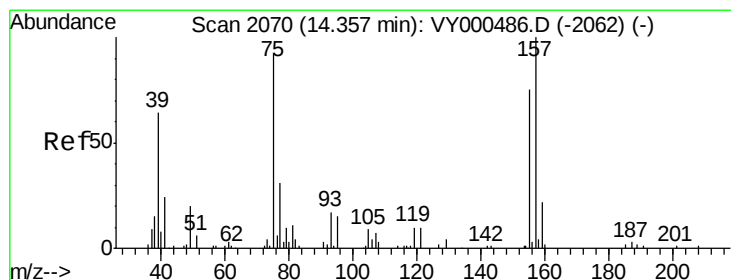
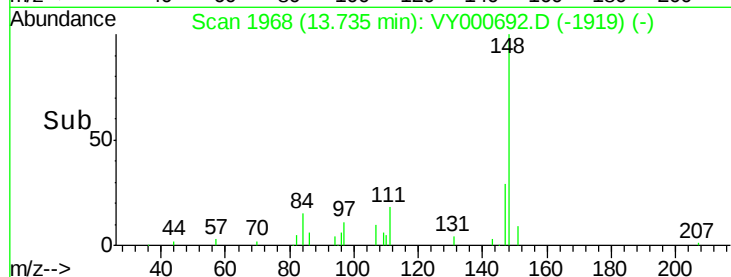
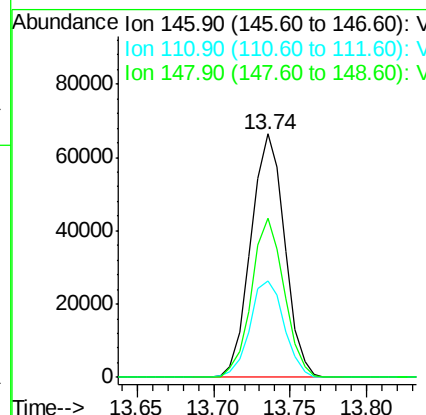
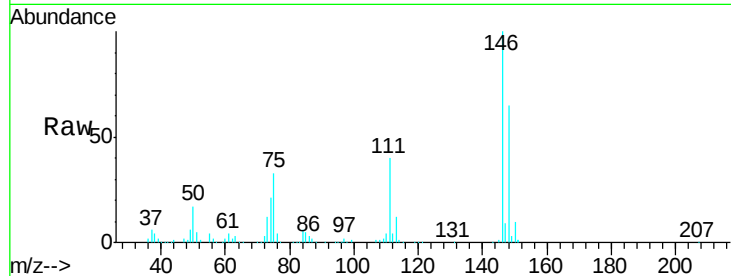
#91
 1,2-Dichlorobenzene
 Concen: 22.165 ug/l
 RT: 13.74 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VY000692.D
 Acq: 15 Nov 2019 11:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1115SBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.5	61.5
148	63.2	31.7	95.1

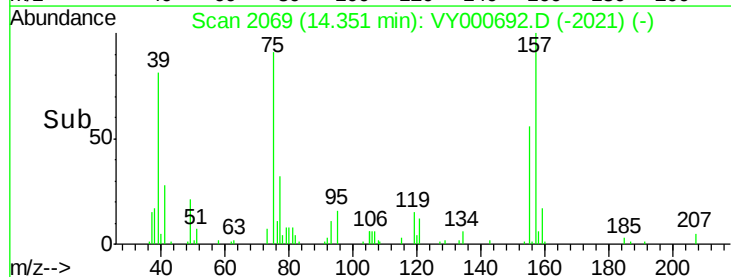
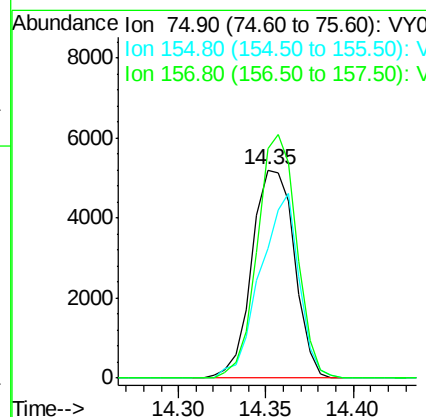
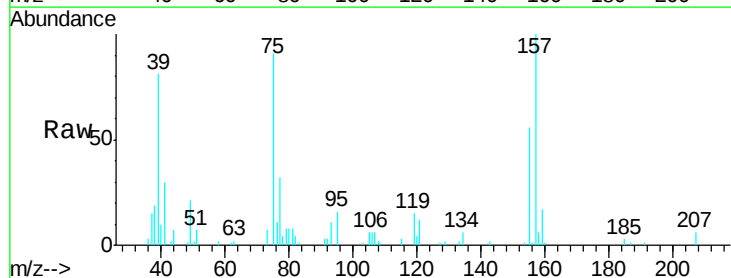
Manual Integrations
 APPROVED

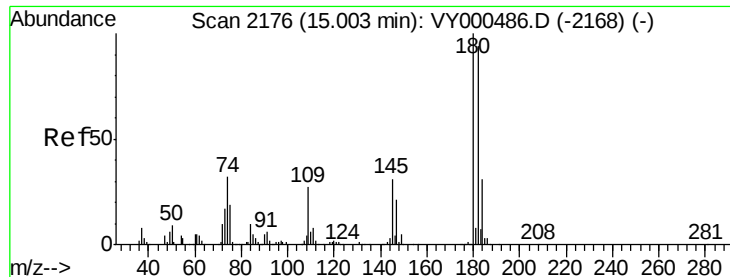
MMDadoda
 11/18/2019 3:24:20 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.094 ug/l
 RT: 14.35 min Scan# 2069
 Delta R.T. -0.01 min
 Lab File: VY000692.D
 Acq: 15 Nov 2019 11:54

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.0	42.4	127.1
157	108.0	55.1	165.3





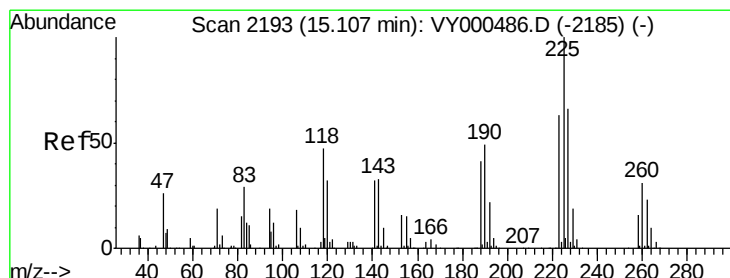
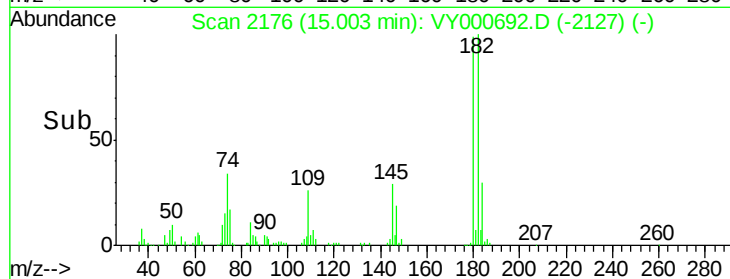
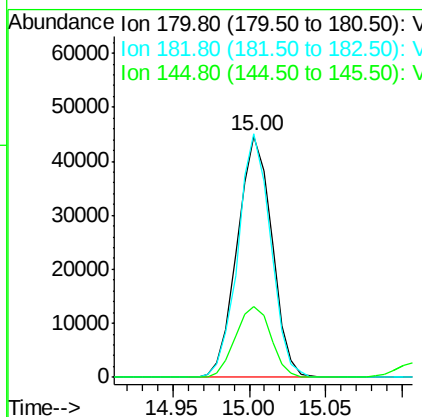
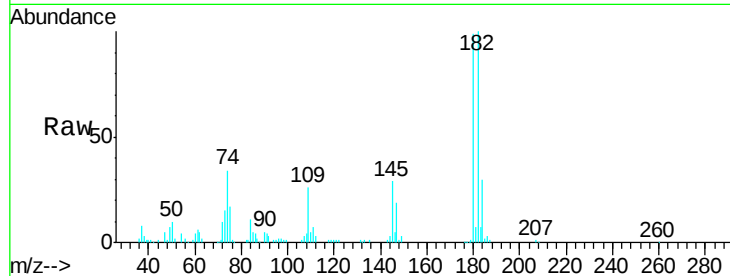
#93
 1,2,4-Trichlorobenzene
 Concen: 22.331 ug/l
 RT: 15.00 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VY000692.D
 Acq: 15 Nov 2019 11:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1115SBS01

Tgt Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	95.3	47.8	143.4
145	30.2	16.0	47.9

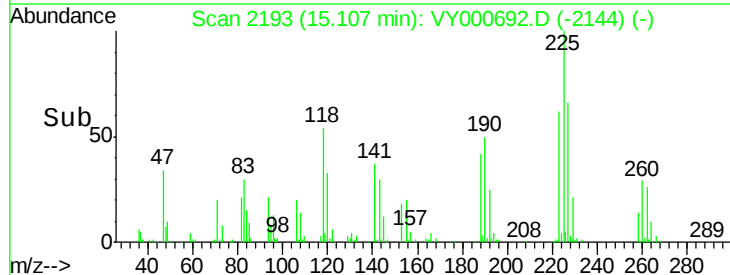
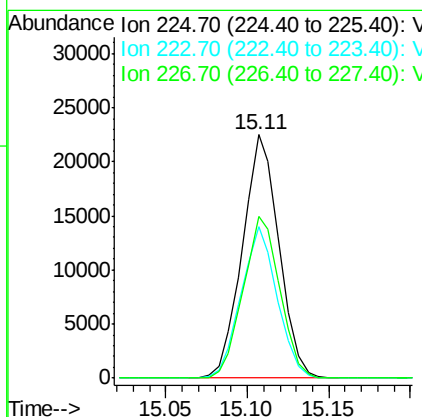
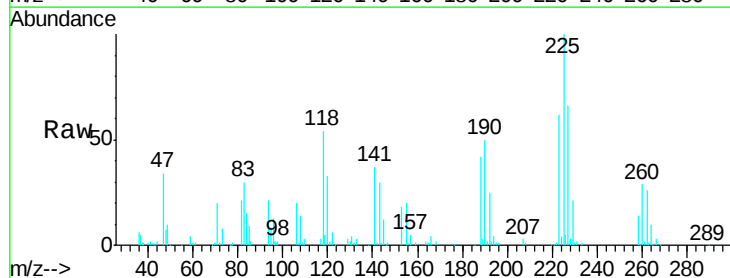
Manual Integrations
 APPROVED

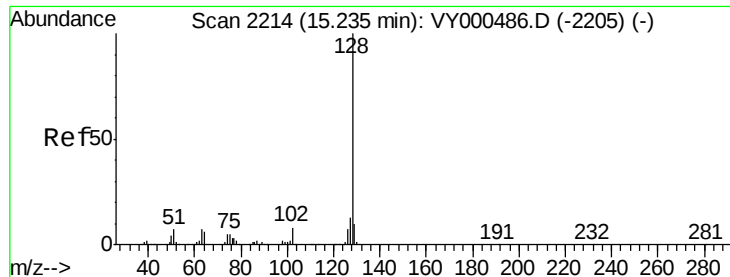
MMDadoda
 11/18/2019 3:24:20 PM



#94
 Hexachlorobutadiene
 Concen: 21.621 ug/l
 RT: 15.11 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VY000692.D
 Acq: 15 Nov 2019 11:54

Tgt Ion	Ratio	Resp Lower	Resp Upper
225	100		
223	61.2	31.3	93.8
227	66.5	32.4	97.0





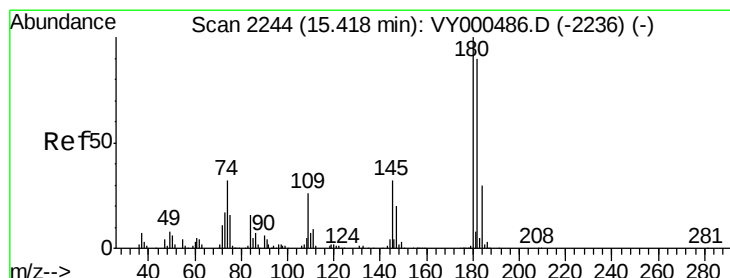
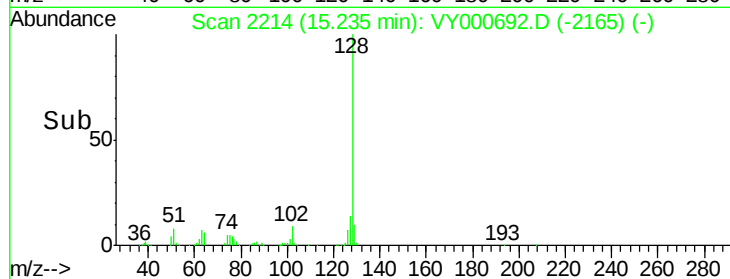
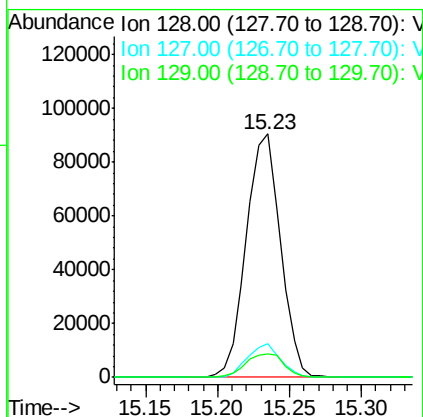
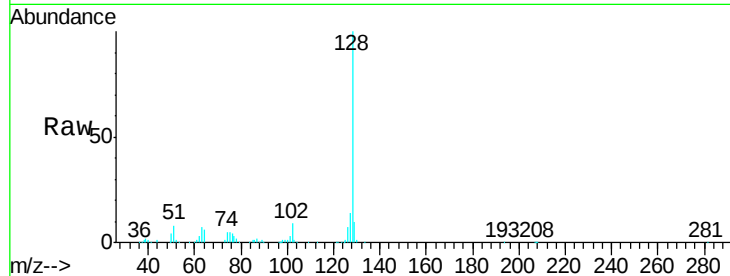
#95
Naphthalene
Concen: 21.341 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VY000692.D
Acq: 15 Nov 2019 11:54

Instrument :
MSVOA_Y
ClientSampleId :
VY1115SBS01

Tgt Ion	Ratio	Resp Lower	Resp Upper
128	100		
127	13.3	9.8	14.6
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
11/18/2019 3:24:20 PM



#96
1,2,3-Trichlorobenzene
Concen: 22.588 ug/l
RT: 15.42 min Scan# 2244
Delta R.T. 0.00 min
Lab File: VY000692.D
Acq: 15 Nov 2019 11:54

Tgt Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	92.5	47.4	142.3
145	32.1	15.7	47.0

