

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY103019\
 Data File : VY000493.D
 Acq On : 30 Oct 2019 16:16
 Operator : SY/MD
 Sample : VY1030SBS01
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1030SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/31/2019 11:31:47 AM

Quant Time: Oct 31 03:26:36 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	248449	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	403529	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	366264	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	174994	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	130926	50.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.84%	
35) Dibromofluoromethane	7.73	113	118368	49.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.94%	
50) Toluene-d8	10.18	98	484790	53.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.86%	
62) 4-Bromofluorobenzene	12.48	95	169158	49.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	48835	19.968	ug/l	96
3) Chloromethane	2.12	50	69465	20.618	ug/l	99
4) Vinyl Chloride	2.26	62	64898	20.743	ug/l	99
5) Bromomethane	2.65	94	41656	22.203	ug/l	89
6) Chloroethane	2.79	64	40542	20.705	ug/l	99
7) Trichlorofluoromethane	3.13	101	88435	20.930	ug/l	95
8) Diethyl Ether	3.54	74	32019	21.327	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.90	101	53325	20.876	ug/l	96
10) Methyl Iodide	4.10	142	62390	20.568	ug/l	97
11) Tert butyl alcohol	4.98	59	25517	101.953	ug/l	96
12) 1,1-Dichloroethene	3.87	96	52846	21.294	ug/l	98
13) Acrolein	3.73	56	21119	96.872	ug/l	98
14) Allyl chloride	4.49	41	85742	21.247	ug/l	99
15) Acrylonitrile	5.18	53	80550	104.737	ug/l	99
16) Acetone	3.96	43	68280	96.355	ug/l	99
17) Carbon Disulfide	4.19	76	159934	20.433	ug/l	99
18) Methyl Acetate	4.49	43	44693	20.284	ug/l	100
19) Methyl tert-butyl Ether	5.22	73	142741	20.687	ug/l	99
20) Methylene Chloride	4.72	84	64753	21.325	ug/l	97
21) trans-1,2-Dichloroethene	5.22	96	58292	20.776	ug/l	91
22) Diisopropyl ether	6.13	45	177106	20.192	ug/l	94
23) Vinyl Acetate	6.07	43	587348	106.080	ug/l	97
24) 1,1-Dichloroethane	6.02	63	98806	20.794	ug/l	99
25) 2-Butanone	7.00	43	113501	100.361	ug/l	97
26) 2,2-Dichloropropane	6.99	77	91297	21.024	ug/l	96
27) cis-1,2-Dichloroethene	6.99	96	65219	21.258	ug/l	96
28) Bromochloromethane	7.35	49	24529	14.485	ug/l	98
29) Tetrahydrofuran	7.36	42	70618	102.070	ug/l	99
30) Chloroform	7.51	83	98215	20.432	ug/l	98
31) Cyclohexane	7.79	56	98977	19.887	ug/l #	95
32) 1,1,1-Trichloroethane	7.71	97	88889	20.749	ug/l	99
36) 1,1-Dichloropropene	7.93	75	79245	20.773	ug/l	98
37) Ethyl Acetate	7.09	43	47921	21.159	ug/l	97
38) Carbon Tetrachloride	7.91	117	77588	21.137	ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY103019\
 Data File : VY000493.D
 Acq On : 30 Oct 2019 16:16
 Operator : SY/MD
 Sample : VY1030SBS01
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1030SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/31/2019 11:31:47 AM

Quant Time: Oct 31 03:26:36 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	102859	20.871	ug/l	94
40) Benzene	8.17	78	233138	20.846	ug/l	97
41) Methacrylonitrile	7.32	41	26492m	20.968	ug/l	
42) 1,2-Dichloroethane	8.24	62	69710	21.976	ug/l	100
43) Isopropyl Acetate	8.28	43	88359	20.768	ug/l	99
44) Trichloroethene	8.95	130	63554	21.552	ug/l	91
45) 1,2-Dichloropropane	9.22	63	57010	20.711	ug/l	99
46) Dibromomethane	9.31	93	32436	21.427	ug/l	100
47) Bromodichloromethane	9.50	83	74019	20.607	ug/l	96
48) Methyl methacrylate	9.30	41	41634	22.397	ug/l	97
49) 1,4-Dioxane	9.31	88	8568	420.540	ug/l	93
51) 4-Methyl-2-Pentanone	10.08	43	246433	108.944	ug/l	99
52) Toluene	10.25	92	145736	20.611	ug/l	98
53) t-1,3-Dichloropropene	10.47	75	81887	21.336	ug/l	100
54) cis-1,3-Dichloropropene	9.93	75	92844	21.116	ug/l	97
55) 1,1,2-Trichloroethane	10.64	97	48603	22.198	ug/l	91
56) Ethyl methacrylate	10.51	69	66722	21.500	ug/l	100
57) 1,3-Dichloropropane	10.79	76	82292	21.474	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	142411	101.506	ug/l	99
59) 2-Hexanone	10.83	43	175961	106.766	ug/l	98
60) Dibromochloromethane	10.99	129	51970	20.722	ug/l	97
61) 1,2-Dibromoethane	11.09	107	44616	21.193	ug/l	99
64) Tetrachloroethene	10.72	164	61430	20.284	ug/l	96
65) Chlorobenzene	11.52	112	155586	20.952	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	53942	20.945	ug/l	98
67) Ethyl Benzene	11.59	91	283004	20.707	ug/l	99
68) m/p-Xylenes	11.70	106	221959	41.961	ug/l	99
69) o-Xylene	12.03	106	102553	20.629	ug/l	99
70) Styrene	12.05	104	172765	20.295	ug/l	100
71) Bromoform	12.20	173	31020	20.941	ug/l #	99
73) Isopropylbenzene	12.33	105	273663	21.159	ug/l	99
74) N-amyl acetate	12.14	43	80299	21.678	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	55002	21.478	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	39652m	19.900	ug/l	
77) Bromobenzene	12.61	156	62858	21.432	ug/l	98
78) n-propylbenzene	12.67	91	334858	21.458	ug/l	100
79) 2-Chlorotoluene	12.75	91	180374	20.820	ug/l	98
80) 1,3,5-Trimethylbenzene	12.81	105	233711	21.697	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	20304	22.847	ug/l	94
82) 4-Chlorotoluene	12.85	91	191923	21.372	ug/l	99
83) tert-Butylbenzene	13.08	119	196905	21.409	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	228731	21.327	ug/l	99
85) sec-Butylbenzene	13.25	105	281871	21.511	ug/l	100
86) p-Isopropyltoluene	13.37	119	246750	21.129	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	122835	21.382	ug/l	98
88) 1,4-Dichlorobenzene	13.44	146	127159	22.151	ug/l	98
89) n-Butylbenzene	13.69	91	246485	21.399	ug/l	99
90) Hexachloroethane	13.95	117	45588	21.115	ug/l	100
91) 1,2-Dichlorobenzene	13.74	146	112225	21.531	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	9874	21.787	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY103019\
Data File : VY000493.D
Acq On : 30 Oct 2019 16:16
Operator : SY/MD
Sample : VY1030SBS01
Misc : 5.00G/5ML/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1030SBS01

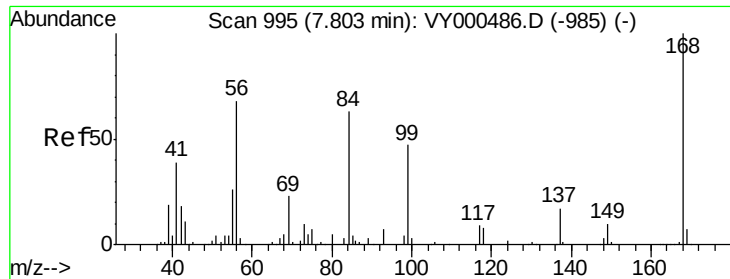
Manual Integrations
APPROVED

MMDadoda
10/31/2019 11:31:47 AM

Quant Time: Oct 31 03:26:36 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	80281	22.621	ug/l	98
94) Hexachlorobutadiene	15.11	225	40998	22.410	ug/l	98
95) Naphthalene	15.23	128	187435	23.791	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	69391	21.794	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.00 min

Lab File: VY000493.D

Acq: 30 Oct 2019 16:16

Instrument :

MSVOA_Y

ClientSampleId :

VY1030SBS01

Tgt Ion:168 Resp: 248449

Ion Ratio Lower Upper

168 100

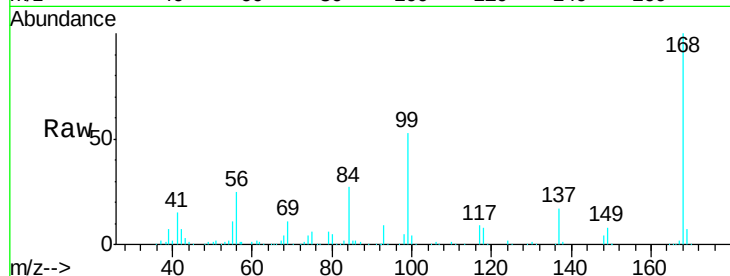
99 52.7 45.7 68.5

Manual Integrations

APPROVED

MMDadoda

10/31/2019 11:31:47 AM



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

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

7.80

120000

100000

80000

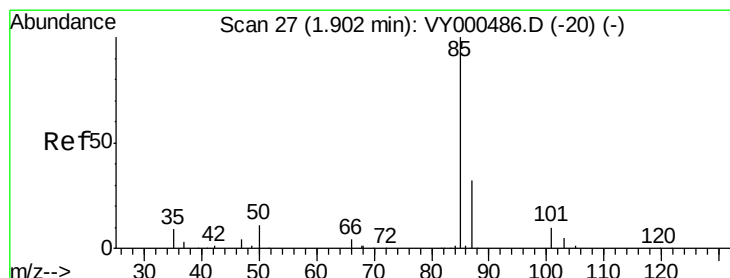
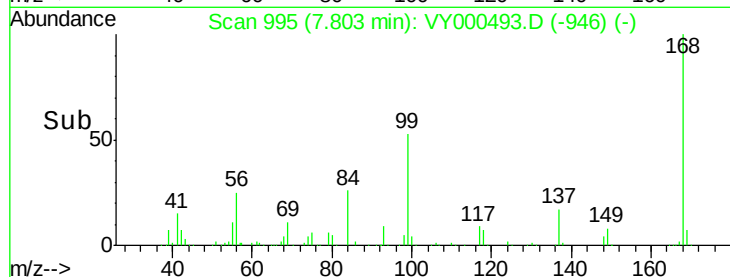
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.968 ug/l

RT: 1.90 min Scan# 27

Delta R.T. 0.00 min

Lab File: VY000493.D

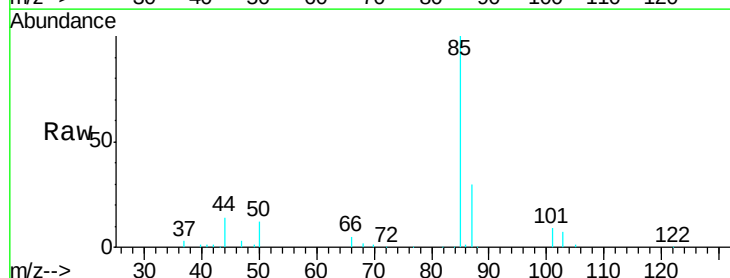
Acq: 30 Oct 2019 16:16

Tgt Ion: 85 Resp: 48835

Ion Ratio Lower Upper

85 100

87 29.6 15.9 47.7



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

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

1.90

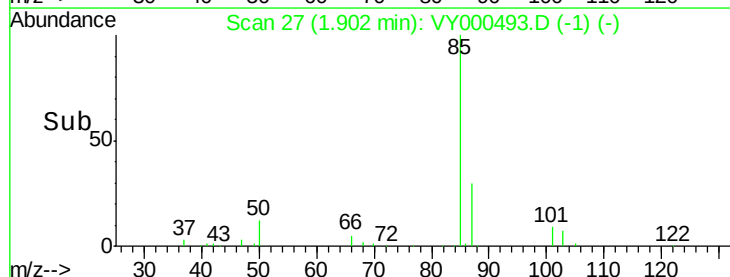
30000

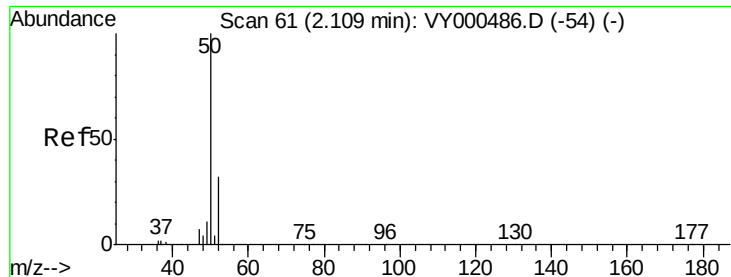
20000

10000

0

Time-->





#3

Chloromethane

Concen: 20.618 ug/l

RT: 2.12 min Scan# 62

Delta R.T. 0.01 min

Lab File: VY000493.D

Acq: 30 Oct 2019 16:16

Instrument :

MSVOA_Y

ClientSampleId :

VY1030SBS01

Tgt Ion: 50 Resp: 69465

Ion Ratio Lower Upper

50 100

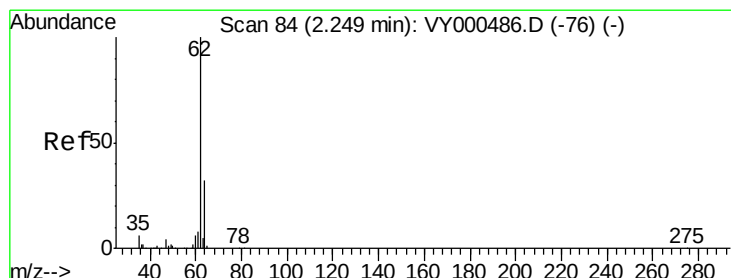
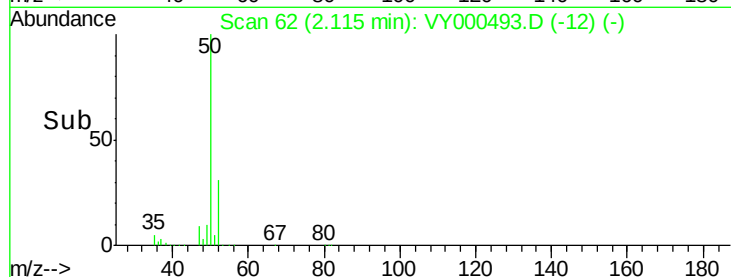
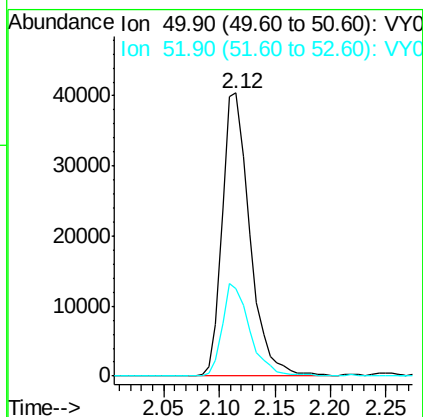
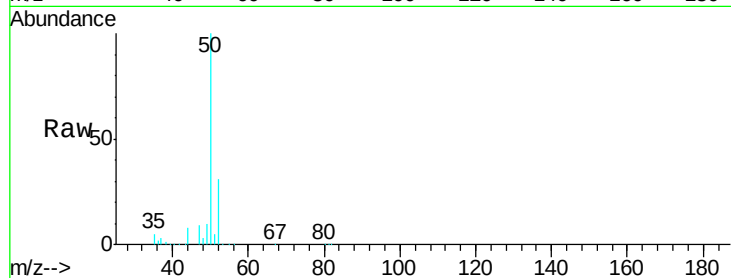
52 31.1 25.2 37.8

Manual Integrations

APPROVED

MMDadoda

10/31/2019 11:31:47 AM



#4

Vinyl Chloride

Concen: 20.743 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.01 min

Lab File: VY000493.D

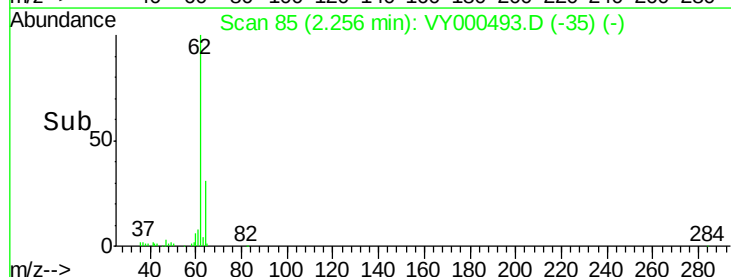
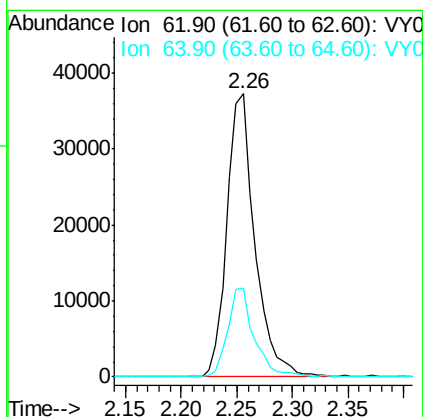
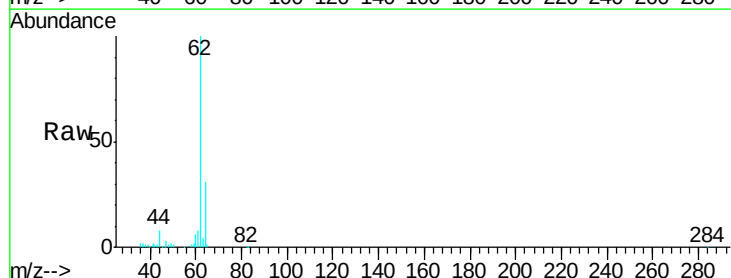
Acq: 30 Oct 2019 16:16

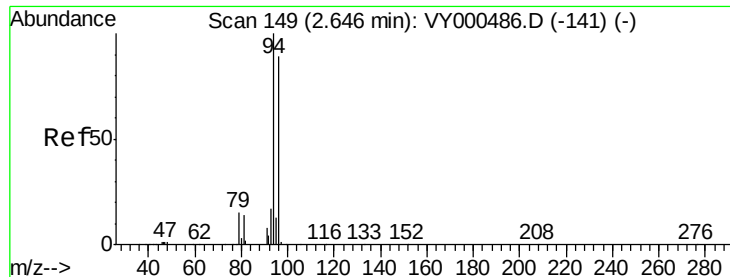
Tgt Ion: 62 Resp: 64898

Ion Ratio Lower Upper

62 100

64 31.2 25.2 37.8





#5

Bromomethane

Concen: 22.203 ug/l

RT: 2.65 min Scan# 149

Delta R.T. 0.00 min

Lab File: VY000493.D

Acq: 30 Oct 2019 16:16

Instrument :

MSVOA_Y

ClientSampleId :

VY1030SBS01

Tgt Ion: 94 Resp: 41656

Ion Ratio Lower Upper

94 100

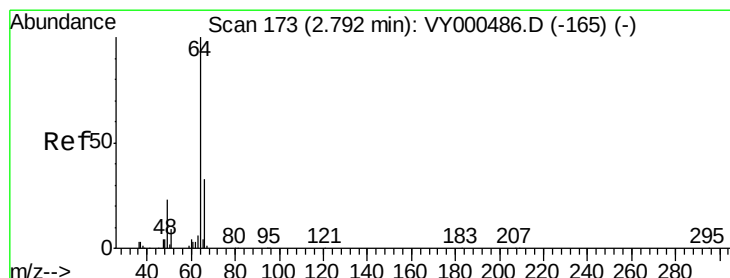
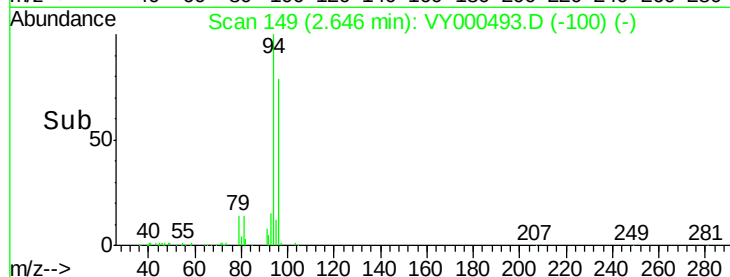
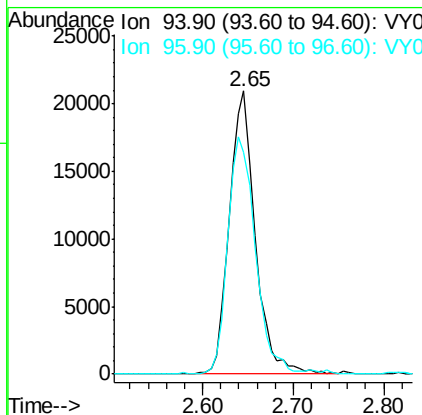
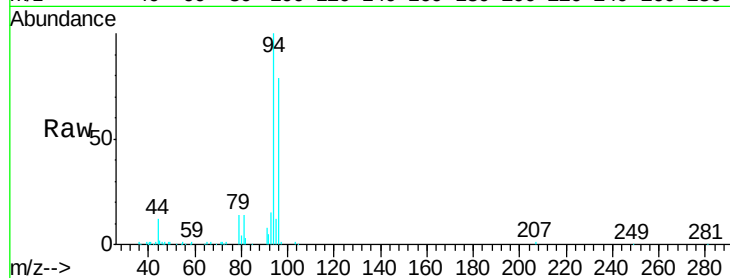
96 78.5 71.2 106.8

Manual Integrations

APPROVED

MMDadoda

10/31/2019 11:31:47 AM



#6

Chloroethane

Concen: 20.705 ug/l

RT: 2.79 min Scan# 173

Delta R.T. 0.00 min

Lab File: VY000493.D

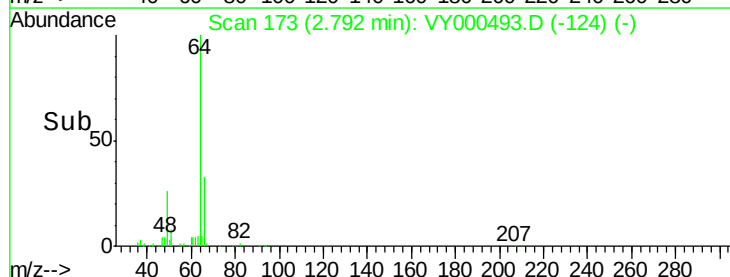
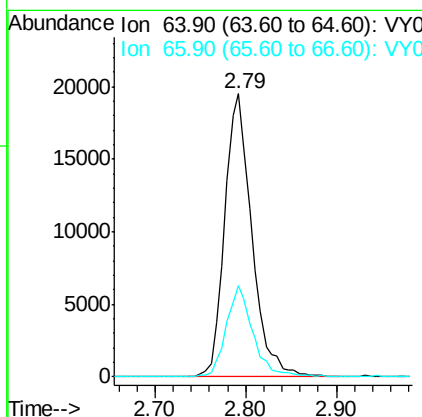
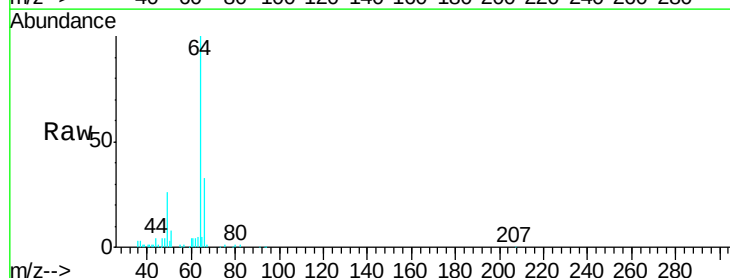
Acq: 30 Oct 2019 16:16

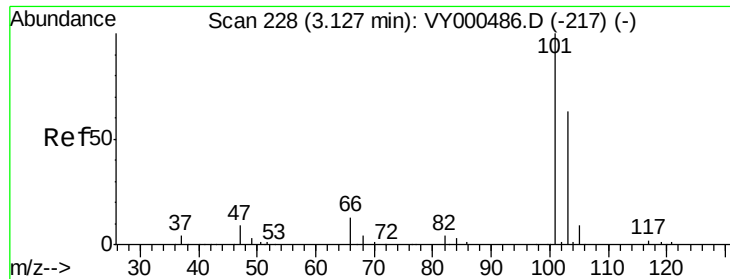
Tgt Ion: 64 Resp: 40542

Ion Ratio Lower Upper

64 100

66 32.5 26.6 40.0





#7

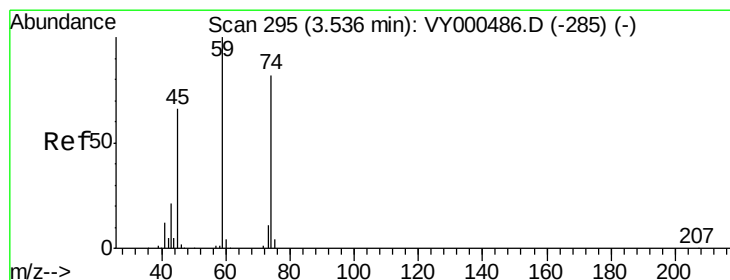
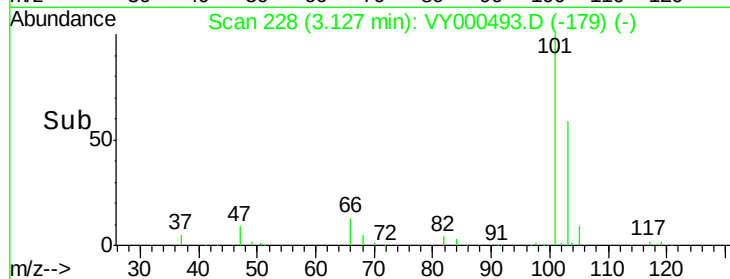
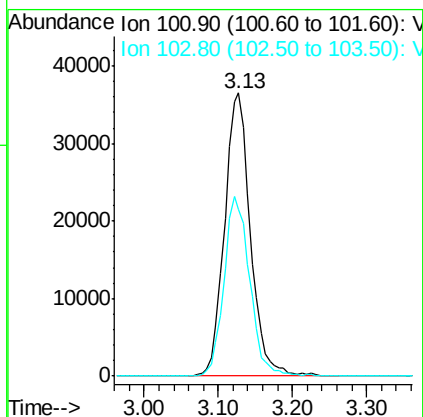
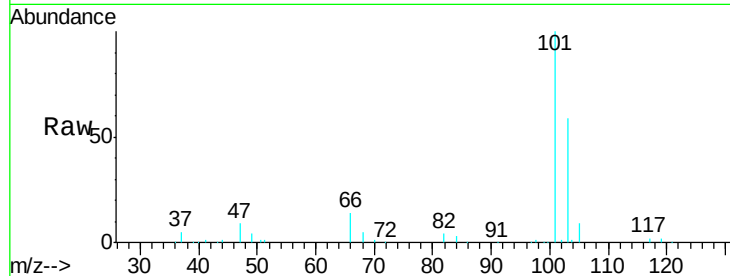
Trichlorofluoromethane
Concen: 20.930 ug/l
RT: 3.13 min Scan# 228
Delta R.T. 0.00 min
Lab File: VY000493.D
Acq: 30 Oct 2019 16:16

Instrument :
MSVOA_Y
ClientSampleId :
VY1030SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	88435		
103	59.1	50.5	75.7	

Manual Integrations
APPROVED

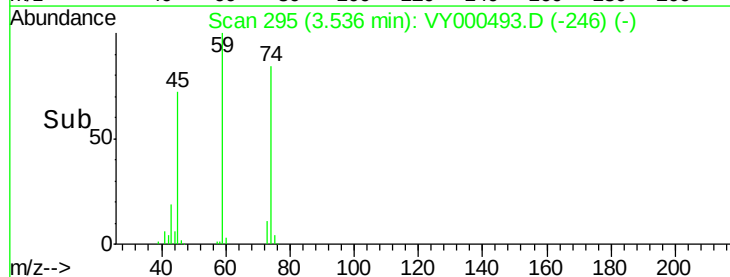
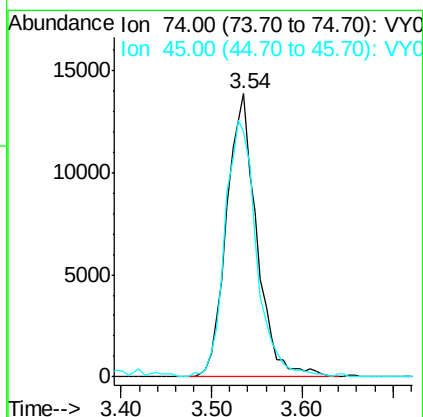
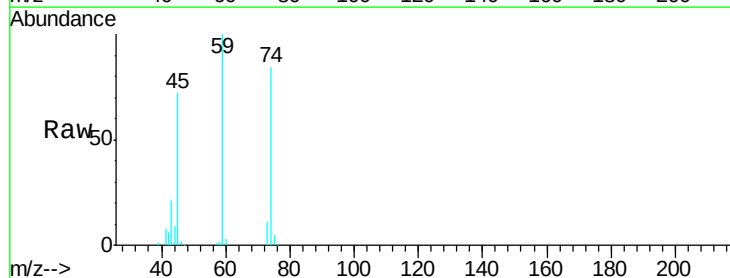
MMDadoda
10/31/2019 11:31:47 AM

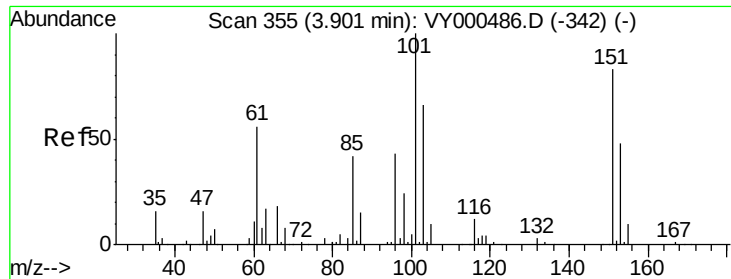


#8

Diethyl Ether
Concen: 21.327 ug/l
RT: 3.54 min Scan# 295
Delta R.T. 0.00 min
Lab File: VY000493.D
Acq: 30 Oct 2019 16:16

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	32019		
45	94.8	45.5	136.4	





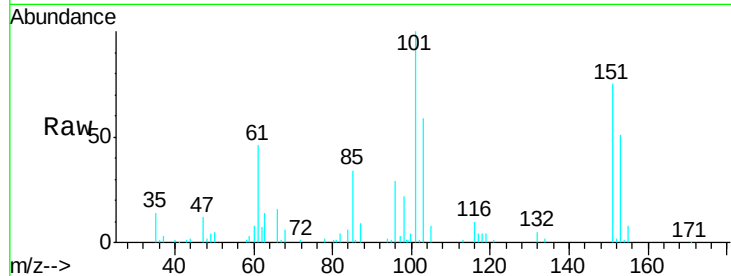
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.876 ug/l
RT: 3.90 min Scan# 355
Delta R.T. 0.00 min
Lab File: VY000493.D
Acq: 30 Oct 2019 16:16

Instrument :
MSVOA_Y
ClientSampleId :
VY1030SBS01

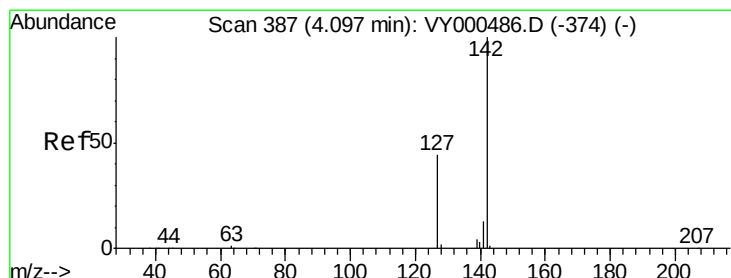
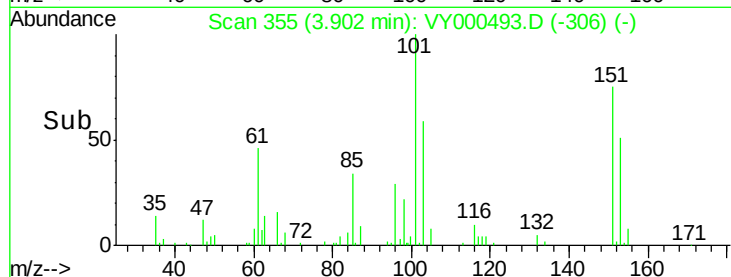
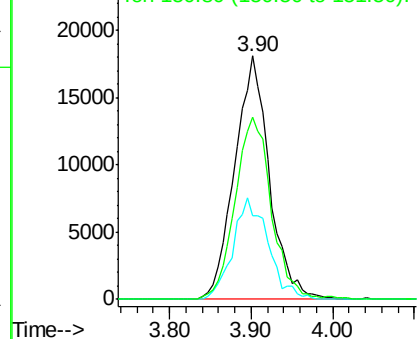
Tgt Ion	Ratio	Resp	Lower	Upper
101	100	53325		
85	42.2	36.7	55.1	
151	78.1	64.3	96.5	

Manual Integrations
APPROVED

MMDadoda
10/31/2019 11:31:47 AM

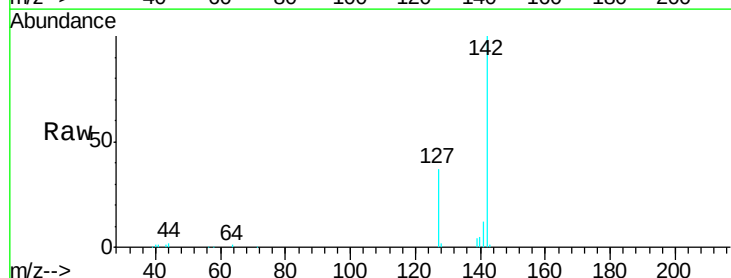


Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VY0
Ion 150.80 (150.50 to 151.50): V

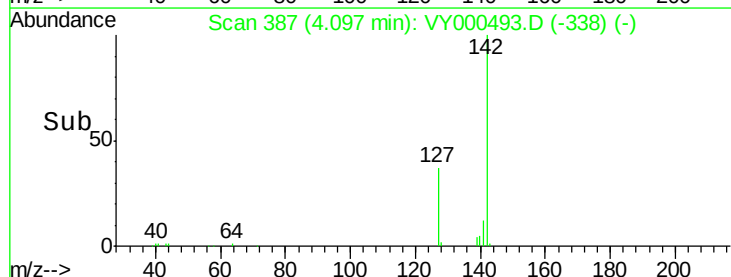
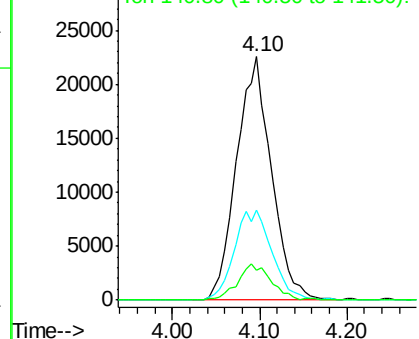


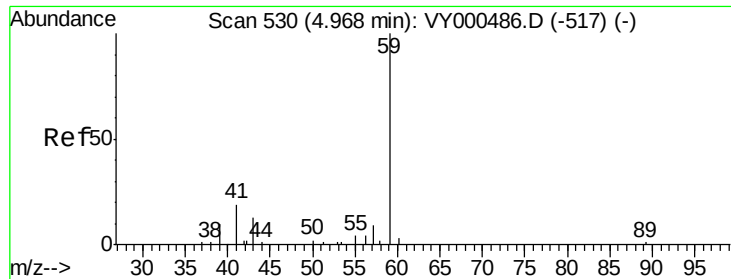
#10
Methyl Iodide
Concen: 20.568 ug/l
RT: 4.10 min Scan# 387
Delta R.T. 0.00 min
Lab File: VY000493.D
Acq: 30 Oct 2019 16:16

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	62390		
127	39.7	33.7	50.5	
141	14.5	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





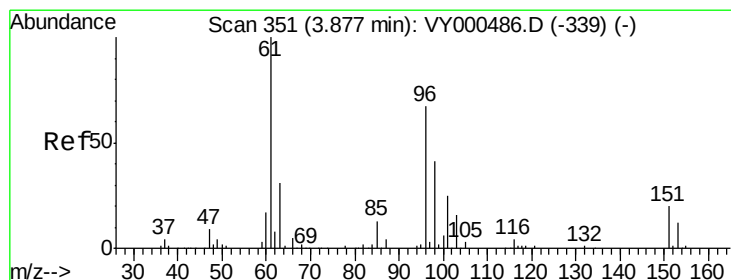
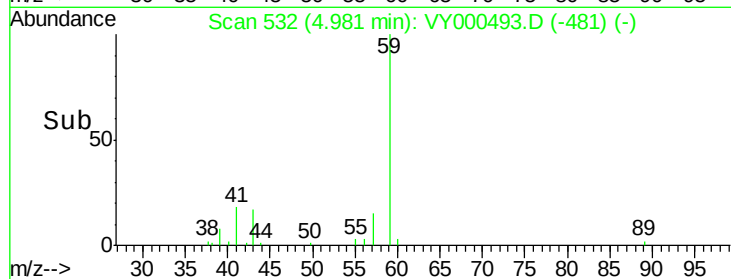
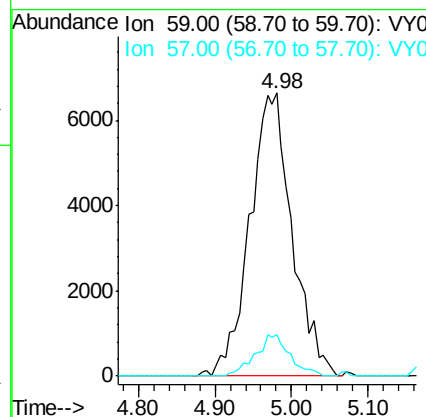
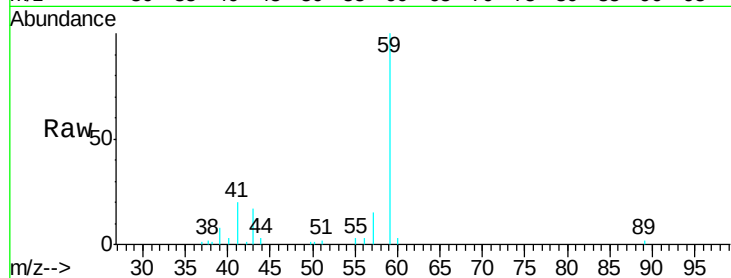
#11
Tert butyl alcohol
Concen: 101.953 ug/l
RT: 4.98 min Scan# 532
Delta R.T. 0.01 min
Lab File: VY000493.D
Acq: 30 Oct 2019 16:16

Instrument :
MSVOA_Y
ClientSampleId :
VY1030SBS01

Tgt Ion: 59 Resp: 25517
Ion Ratio Lower Upper
59 100
57 12.0 8.6 12.8

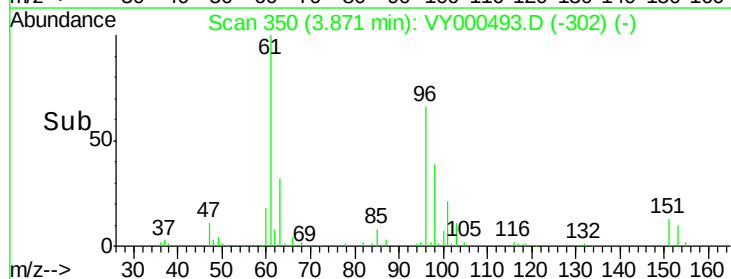
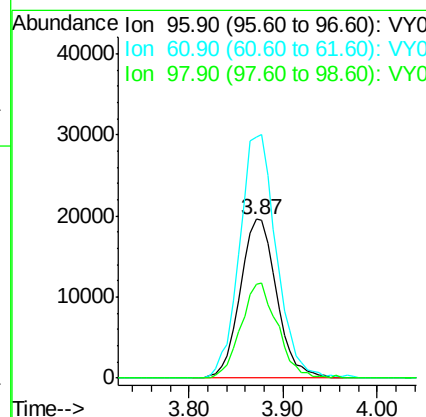
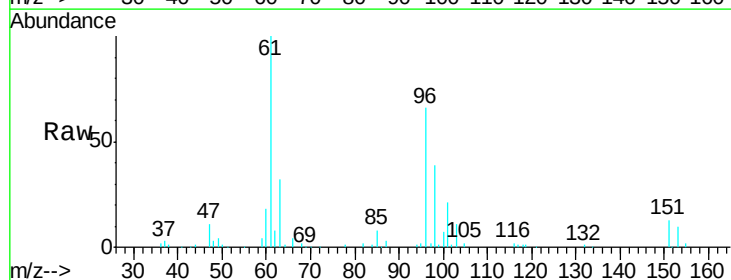
Manual Integrations
APPROVED

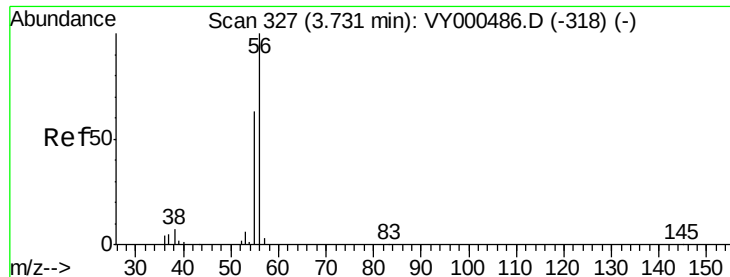
MMDadoda
10/31/2019 11:31:47 AM



#12
1,1-Dichloroethene
Concen: 21.294 ug/l
RT: 3.87 min Scan# 350
Delta R.T. -0.01 min
Lab File: VY000493.D
Acq: 30 Oct 2019 16:16

Tgt Ion: 96 Resp: 52846
Ion Ratio Lower Upper
96 100
61 152.1 119.2 178.8
98 59.0 48.6 73.0





#13

Acrolein

Concen: 96.872 ug/l

RT: 3.73 min Scan# 327

Delta R.T. 0.00 min

Lab File: VY000493.D

Acq: 30 Oct 2019 16:16

Instrument :

MSVOA_Y

ClientSampleId :

VY1030SBS01

Tgt Ion: 56 Resp: 21119

Ion Ratio Lower Upper

56 100

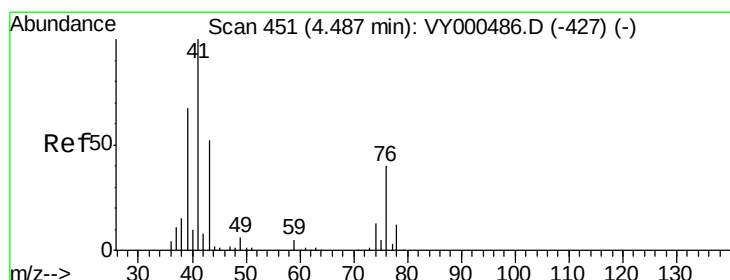
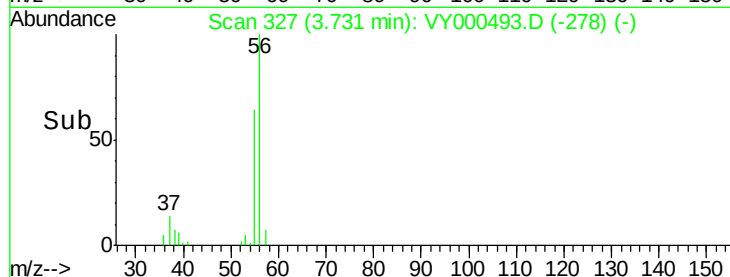
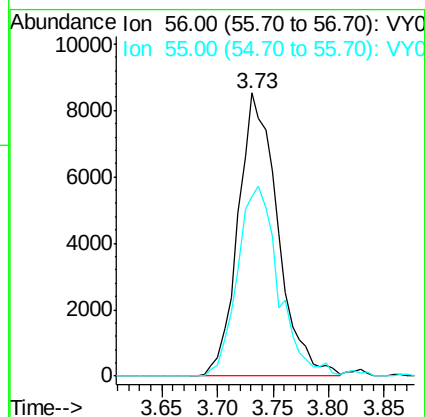
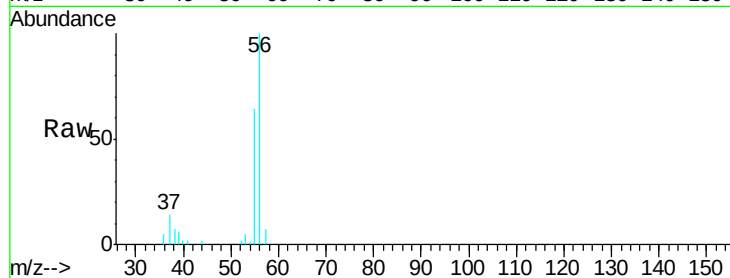
55 69.5 57.0 85.6

Manual Integrations

APPROVED

MMDadoda

10/31/2019 11:31:47 AM



#14

Allyl chloride

Concen: 21.247 ug/l

RT: 4.49 min Scan# 451

Delta R.T. 0.00 min

Lab File: VY000493.D

Acq: 30 Oct 2019 16:16

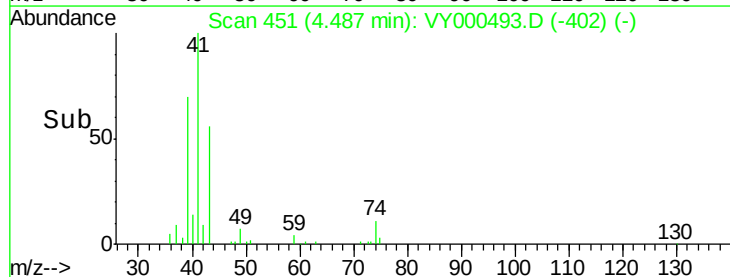
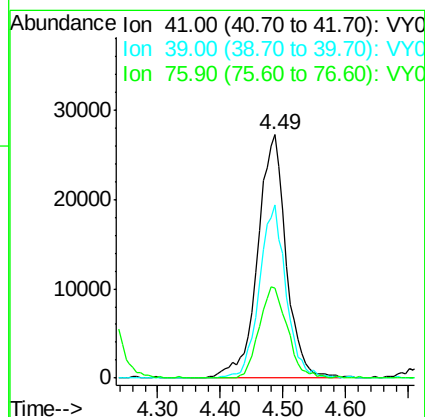
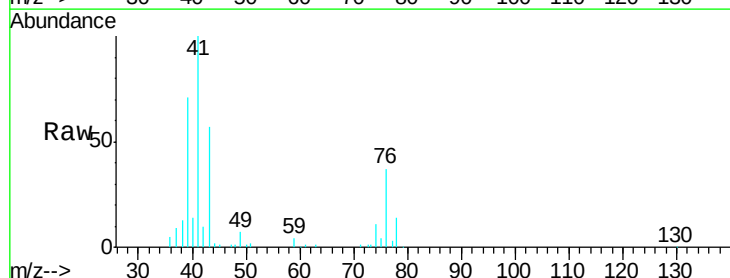
Tgt Ion: 41 Resp: 85742

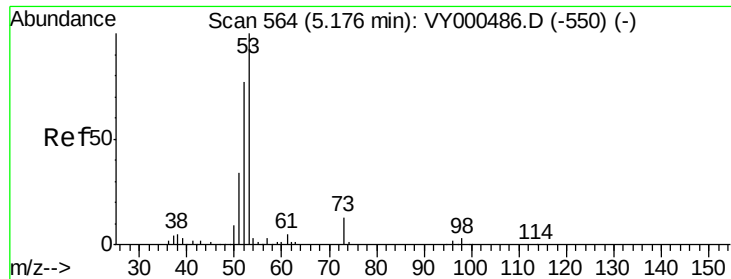
Ion Ratio Lower Upper

41 100

39 66.7 53.6 80.4

76 36.6 29.8 44.6





#15

Acrylonitrile

Concen: 104.737 ug/l

RT: 5.18 min Scan# 564

Delta R.T. 0.00 min

Lab File: VY000493.D

Acq: 30 Oct 2019 16:16

Instrument :

MSVOA_Y

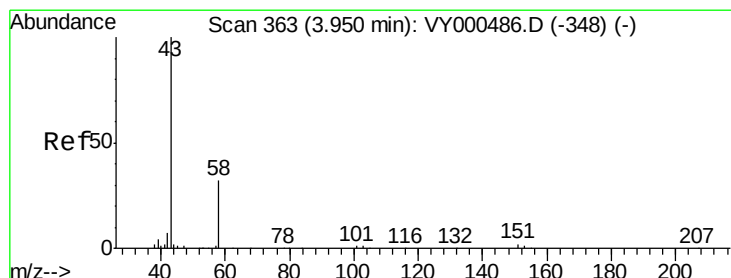
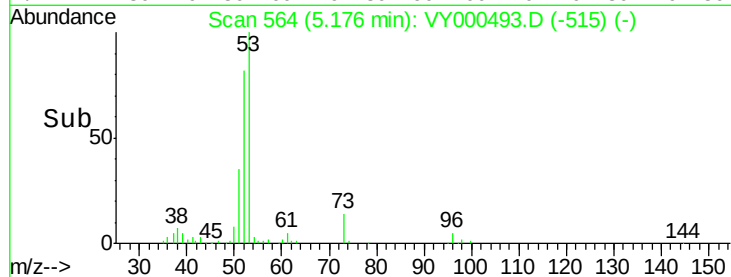
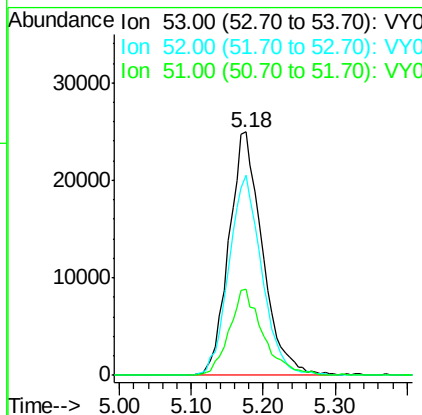
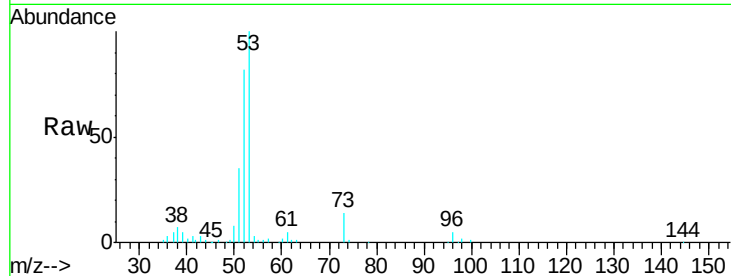
ClientSampleId :

VY1030SBS01

Tgt Ion:	53	Resp:	80550
Ion	Ratio	Lower	Upper
53	100		
52	80.7	64.9	97.3
51	35.8	27.6	41.4

Manual Integrations
APPROVED

MMDadoda
10/31/2019 11:31:47 AM



#16

Acetone

Concen: 96.355 ug/l

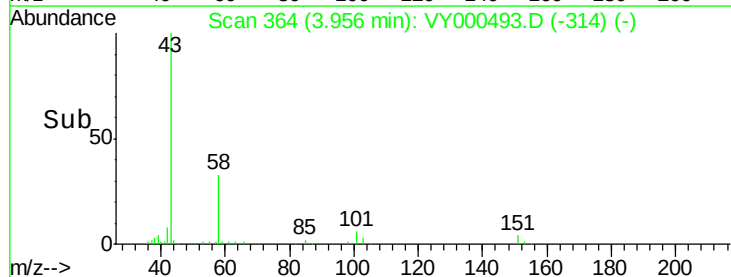
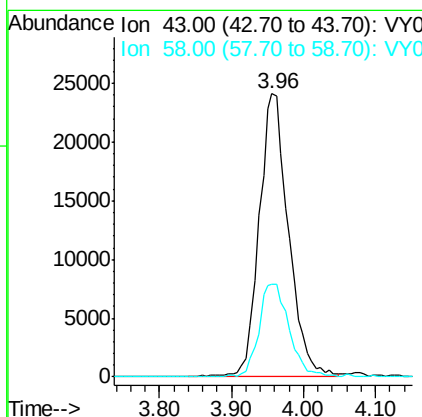
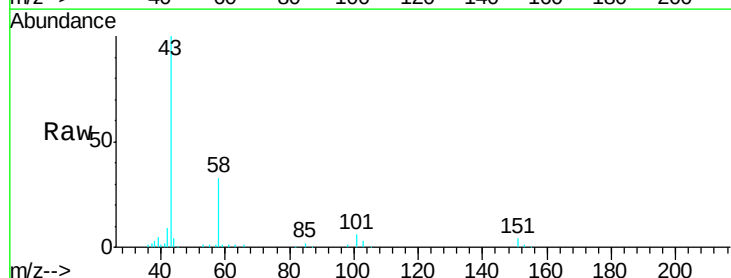
RT: 3.96 min Scan# 364

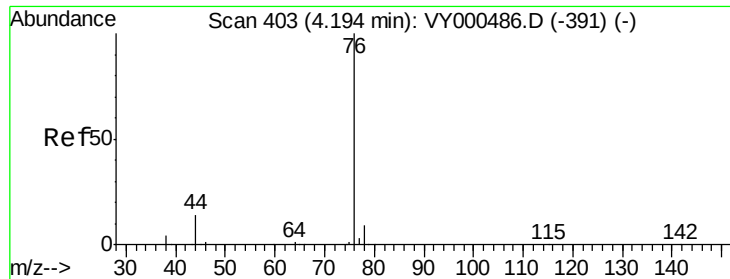
Delta R.T. 0.01 min

Lab File: VY000493.D

Acq: 30 Oct 2019 16:16

Tgt Ion:	43	Resp:	68280
Ion	Ratio	Lower	Upper
43	100		
58	32.7	25.8	38.6





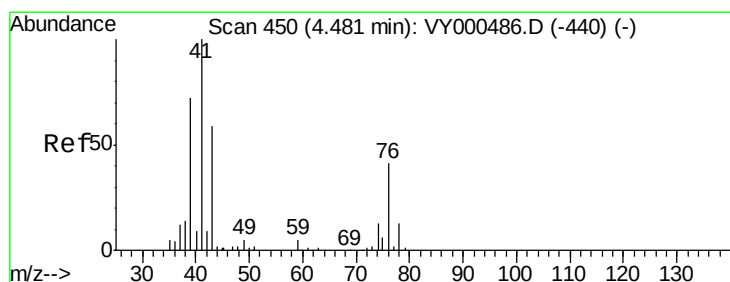
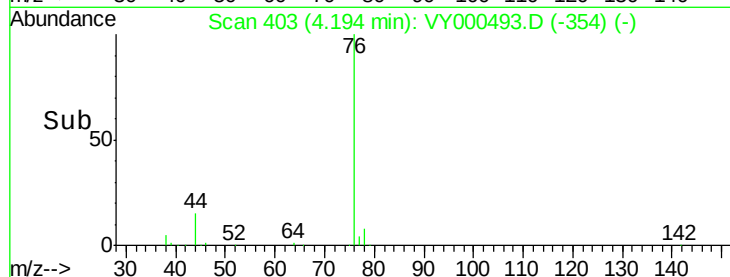
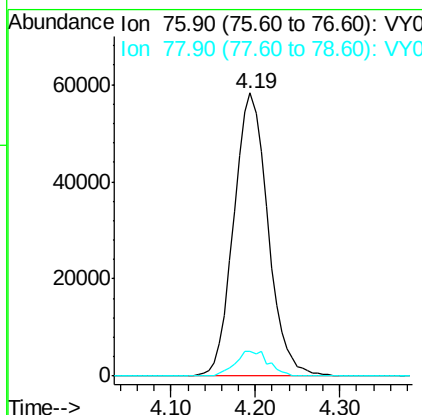
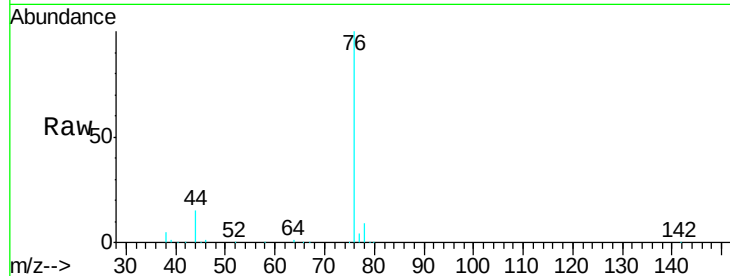
#17
Carbon Disulfide
Concen: 20.433 ug/l
RT: 4.19 min Scan# 403
Delta R.T. 0.00 min
Lab File: VY000493.D
Acq: 30 Oct 2019 16:16

Instrument :
MSVOA_Y
ClientSampleId :
VY1030SBS01

Tgt Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.5	11.3

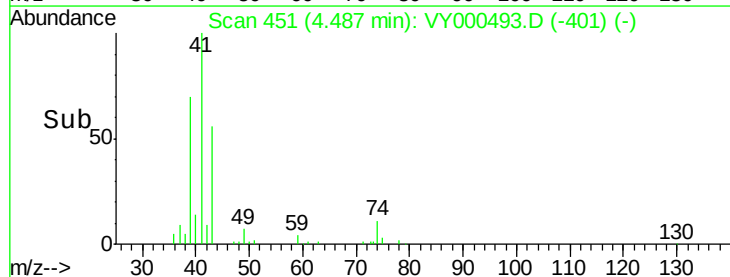
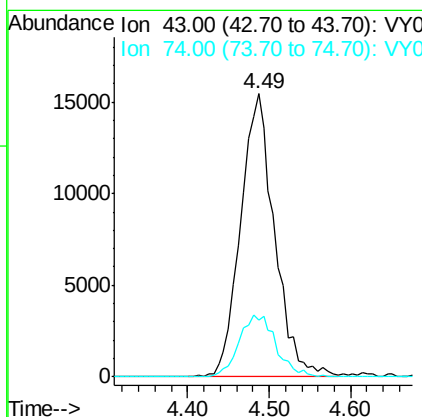
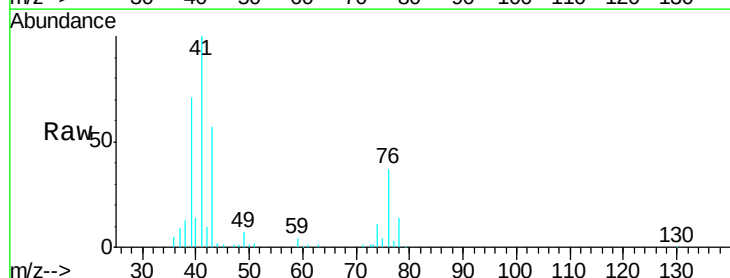
Manual Integrations
APPROVED

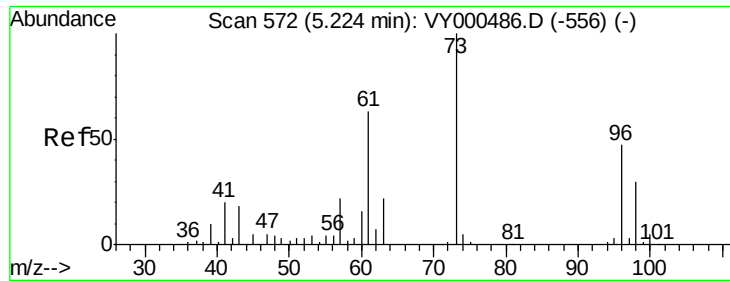
MMDadoda
10/31/2019 11:31:47 AM



#18
Methyl Acetate
Concen: 20.284 ug/l
RT: 4.49 min Scan# 451
Delta R.T. 0.01 min
Lab File: VY000493.D
Acq: 30 Oct 2019 16:16

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.8	19.2	28.8





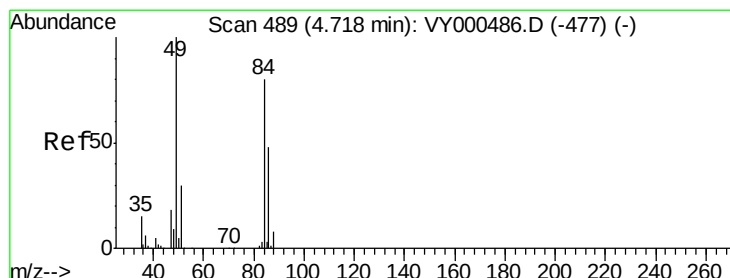
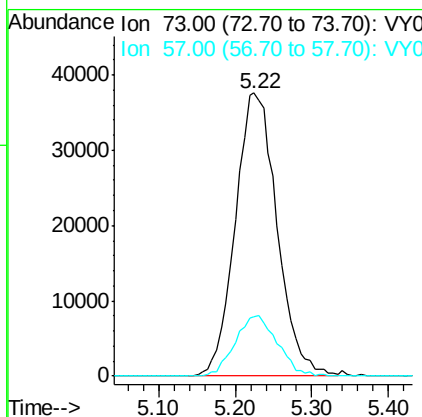
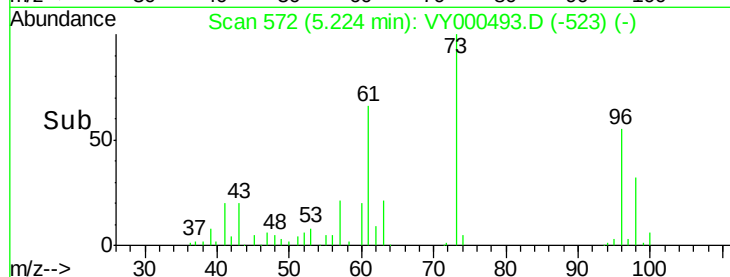
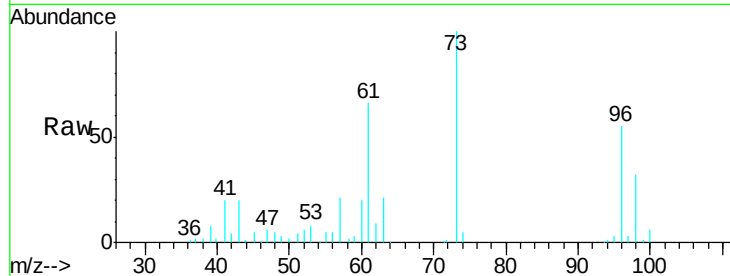
#19
Methyl tert-butyl Ether
Concen: 20.687 ug/l
RT: 5.22 min Scan# 572
Delta R.T. 0.00 min
Lab File: VY000493.D
Acq: 30 Oct 2019 16:16

Instrument :
MSVOA_Y
ClientSampleId :
VY1030SBS01

Tgt Ion: 73 Resp: 142741
Ion Ratio Lower Upper
73 100
57 21.1 17.4 26.0

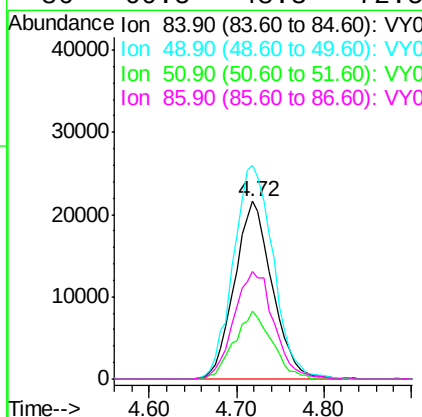
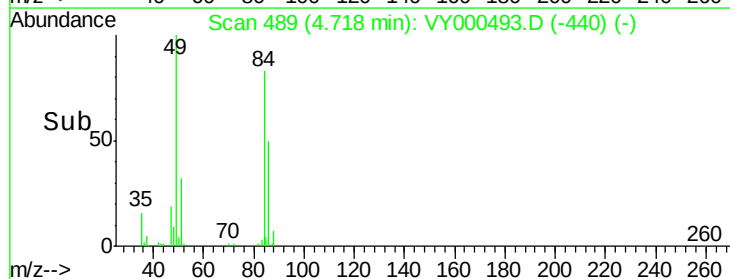
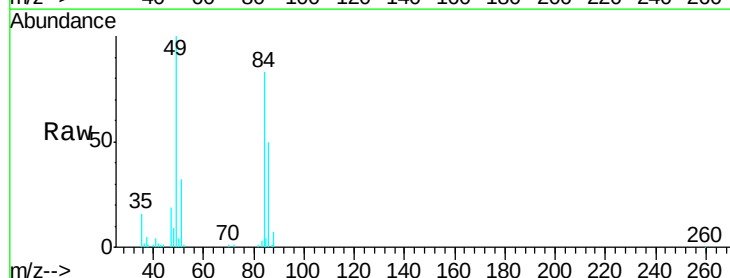
Manual Integrations
APPROVED

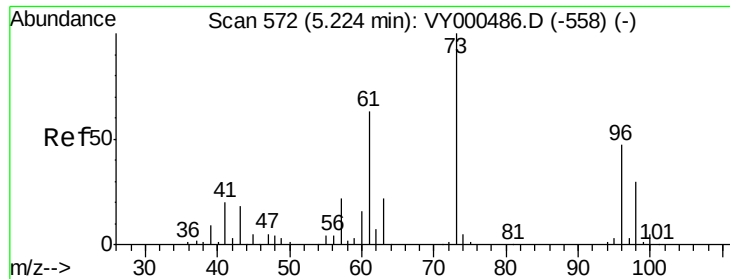
MMDadoda
10/31/2019 11:31:47 AM



#20
Methylene Chloride
Concen: 21.325 ug/l
RT: 4.72 min Scan# 489
Delta R.T. 0.00 min
Lab File: VY000493.D
Acq: 30 Oct 2019 16:16

Tgt Ion: 84 Resp: 64753
Ion Ratio Lower Upper
84 100
49 120.2 100.2 150.4
51 38.6 29.6 44.4
86 60.5 48.3 72.5





#21

trans-1,2-Dichloroethene

Concen: 20.776 ug/l

RT: 5.22 min Scan# 572

Delta R.T. 0.00 min

Lab File: VY000493.D

Acq: 30 Oct 2019 16:16

Instrument :

MSVOA_Y

ClientSampleId :

VY1030SBS01

Tgt Ion: 96 Resp: 58292

Ion Ratio Lower Upper

96 100

61 121.3 106.6 160.0

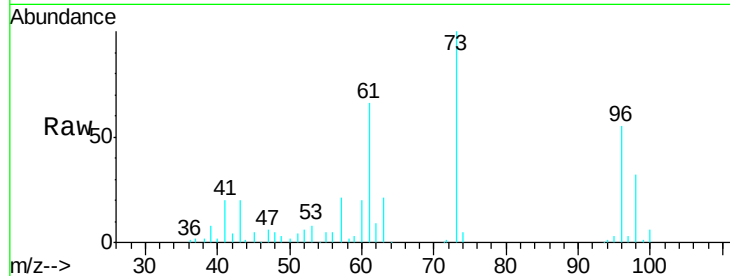
98 59.3 50.6 76.0

Manual Integrations

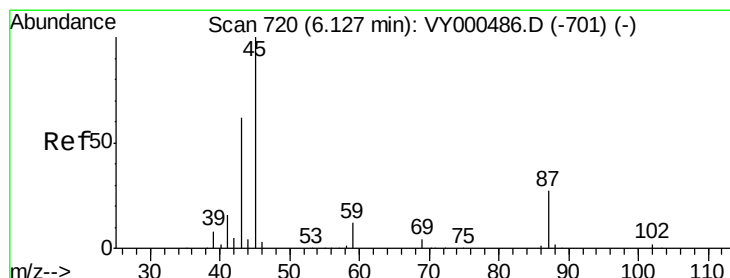
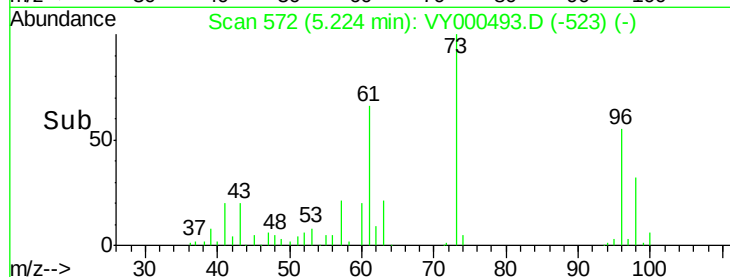
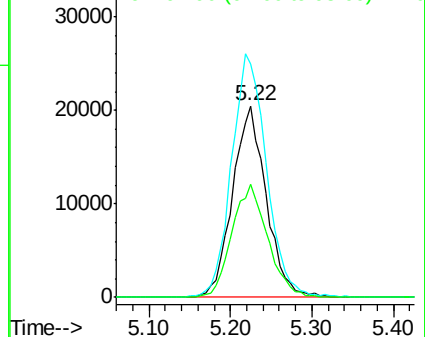
APPROVED

MMDadoda

10/31/2019 11:31:47 AM



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



#22

Diisopropyl ether

Concen: 20.192 ug/l

RT: 6.13 min Scan# 720

Delta R.T. 0.00 min

Lab File: VY000493.D

Acq: 30 Oct 2019 16:16

Tgt Ion: 45 Resp: 177106

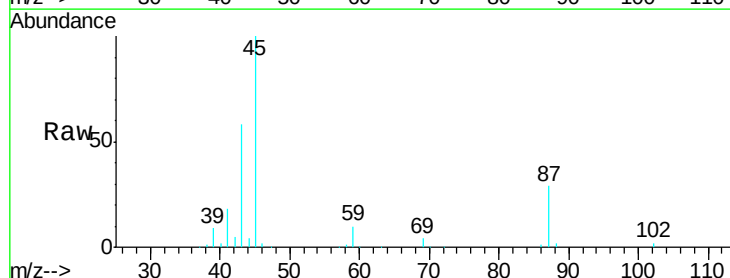
Ion Ratio Lower Upper

45 100

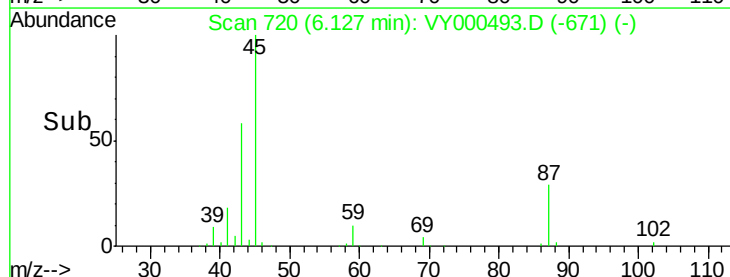
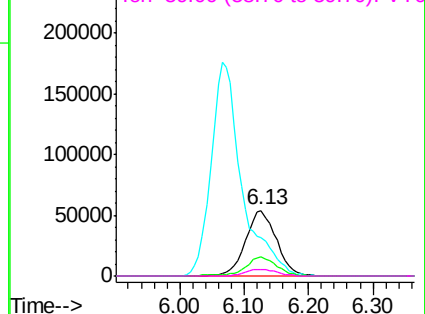
43 57.6 50.0 75.0

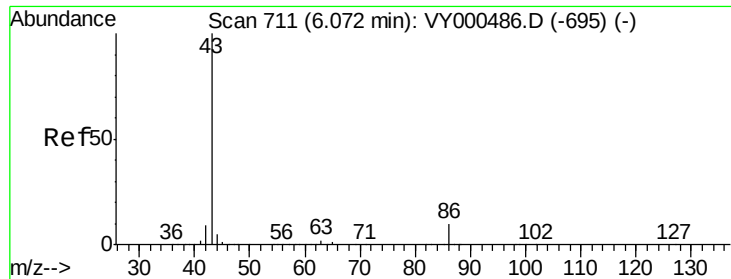
87 29.3 21.6 32.4

59 9.8 9.5 14.3



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





#23

Vinyl Acetate

Concen: 106.080 ug/l

RT: 6.07 min Scan# 710

Delta R.T. -0.01 min

Lab File: VY000493.D

Acq: 30 Oct 2019 16:16

Instrument :

MSVOA_Y

ClientSampleId :

VY1030SBS01

Tgt Ion: 43 Resp: 587348

Ion Ratio Lower Upper

43 100

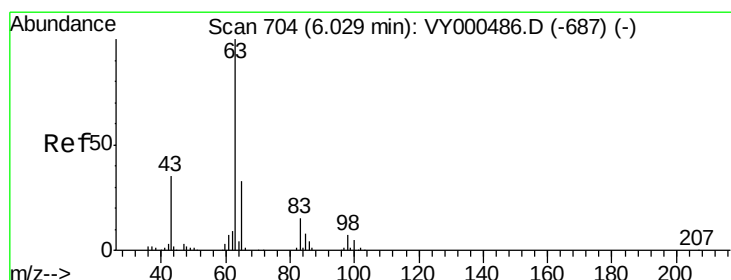
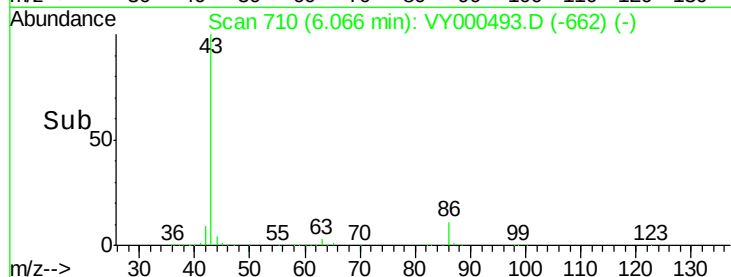
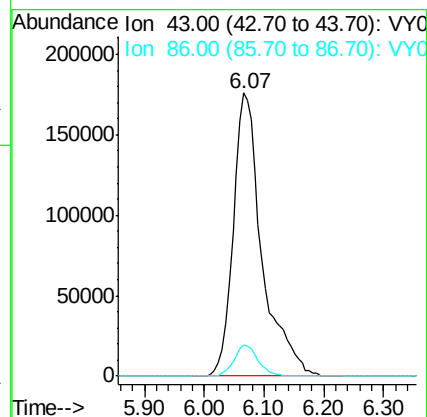
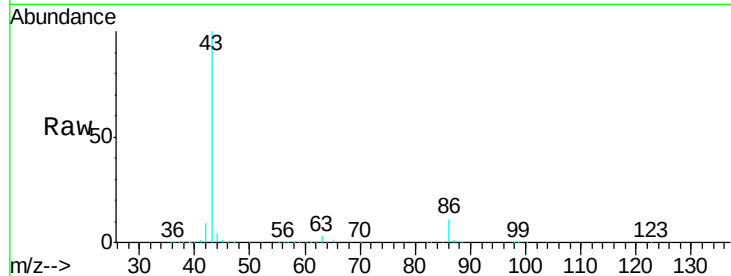
86 11.0 7.8 11.6

Manual Integrations

APPROVED

MMDadoda

10/31/2019 11:31:47 AM



#24

1,1-Dichloroethane

Concen: 20.794 ug/l

RT: 6.02 min Scan# 703

Delta R.T. -0.01 min

Lab File: VY000493.D

Acq: 30 Oct 2019 16:16

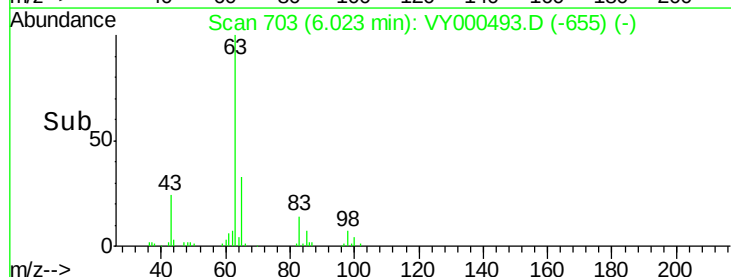
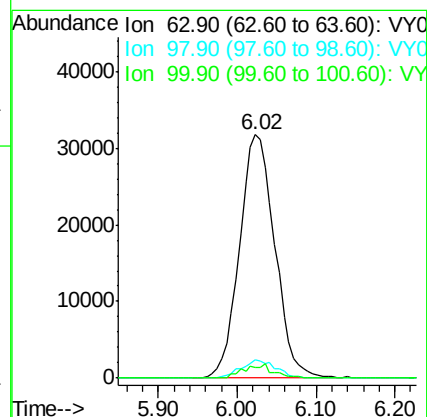
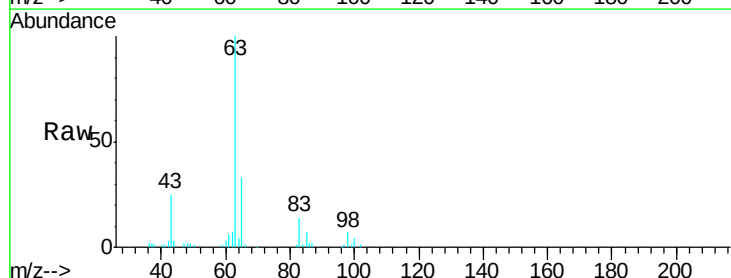
Tgt Ion: 63 Resp: 98806

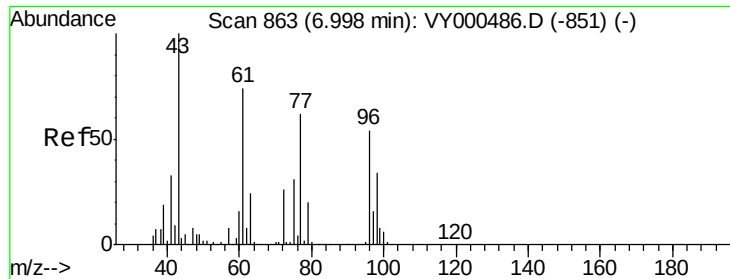
Ion Ratio Lower Upper

63 100

98 7.3 3.5 10.6

100 4.2 2.4 7.1





#25

2-Butanone

Concen: 100.361 ug/l

RT: 7.00 min Scan# 863

Delta R.T. 0.00 min

Lab File: VY000493.D

Acq: 30 Oct 2019 16:16

Instrument :

MSVOA_Y

ClientSampleId :

VY1030SBS01

Tgt Ion: 43 Resp: 113501

Ion Ratio Lower Upper

43 100

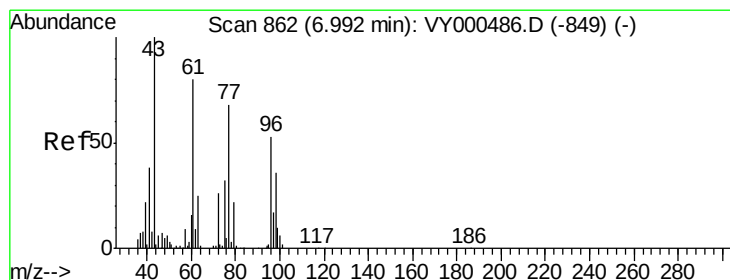
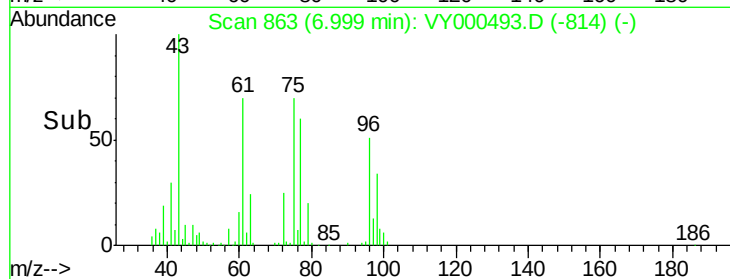
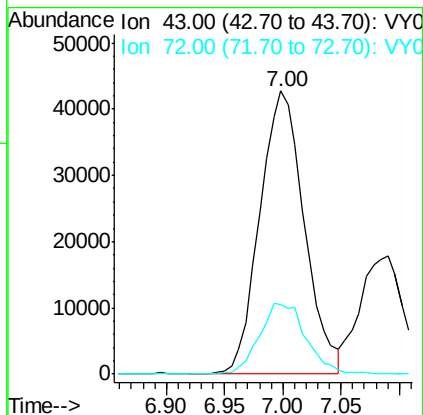
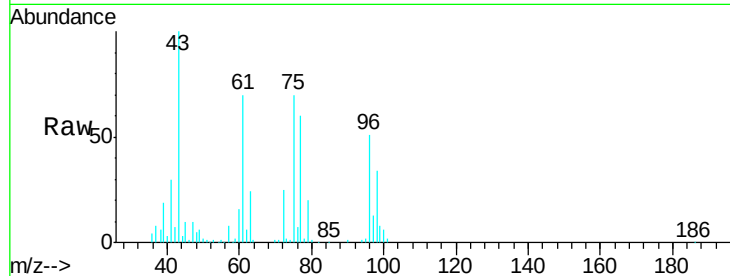
72 24.8 20.9 31.3

Manual Integrations

APPROVED

MMDadoda

10/31/2019 11:31:47 AM



#26

2,2-Dichloropropane

Concen: 21.024 ug/l

RT: 6.99 min Scan# 862

Delta R.T. 0.00 min

Lab File: VY000493.D

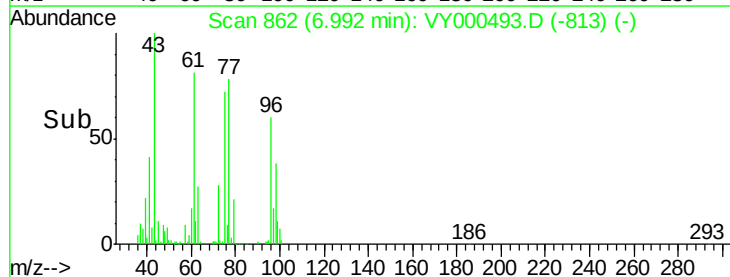
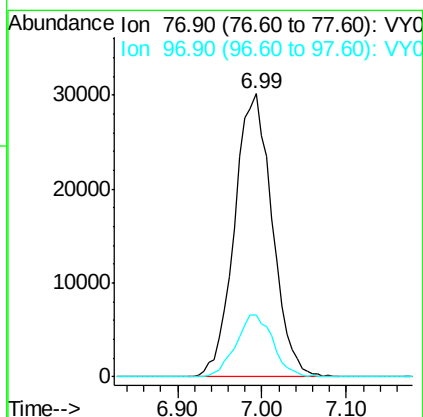
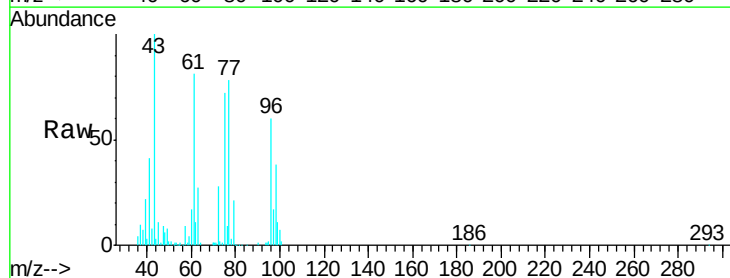
Acq: 30 Oct 2019 16:16

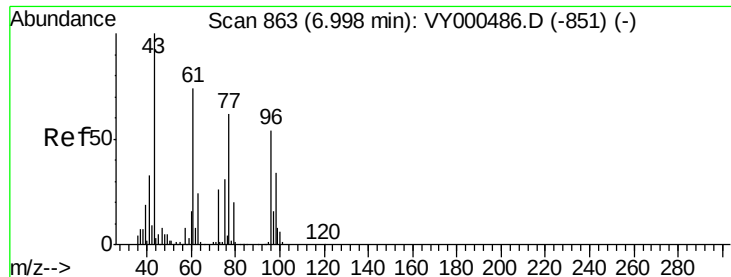
Tgt Ion: 77 Resp: 91297

Ion Ratio Lower Upper

77 100

97 21.5 11.8 35.4





#27

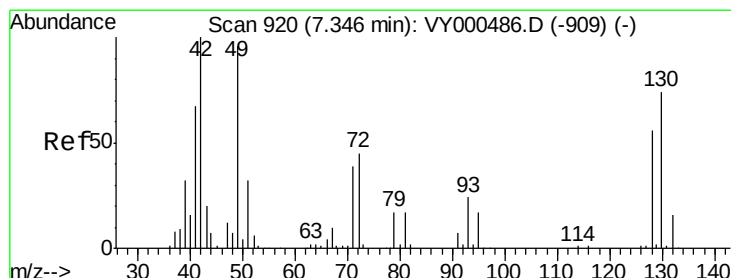
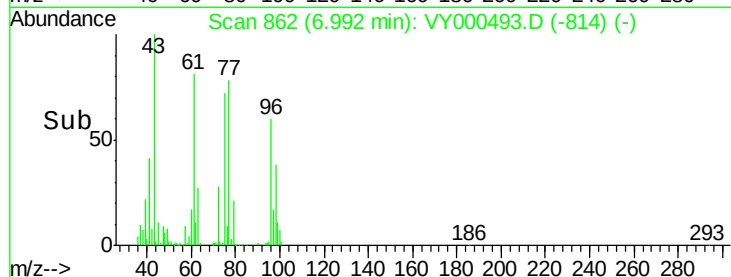
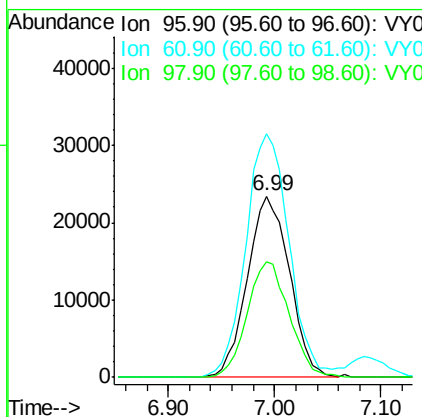
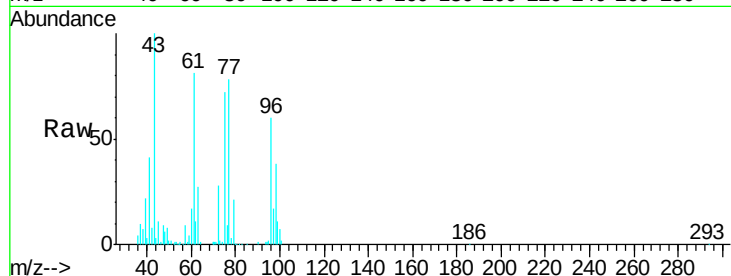
cis-1,2-Dichloroethene
 Concen: 21.258 ug/l
 RT: 6.99 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: VY000493.D
 Acq: 30 Oct 2019 16:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1030SBS01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	138.0	0.0	287.0
98	63.3	0.0	129.4

Manual Integrations
 APPROVED

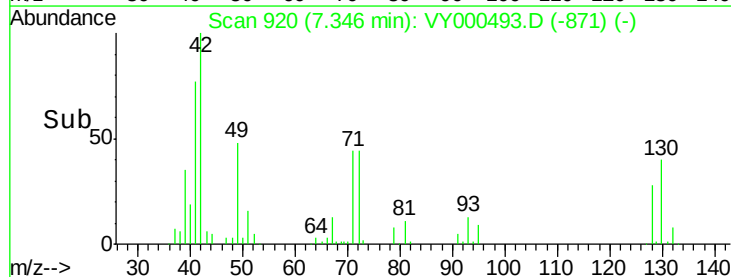
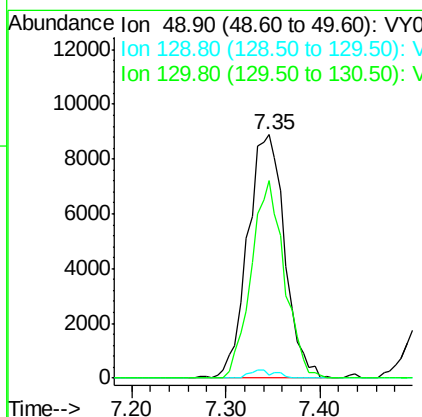
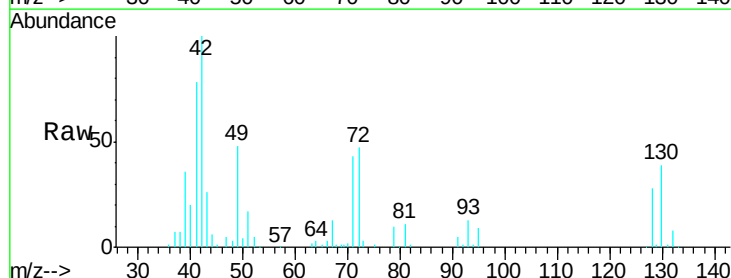
MMDadoda
 10/31/2019 11:31:47 AM

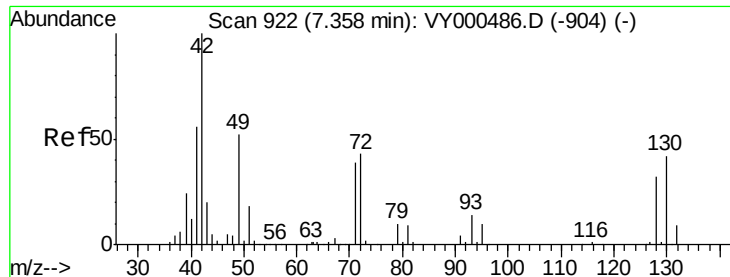


#28

Bromochloromethane
 Concen: 14.485 ug/l
 RT: 7.35 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VY000493.D
 Acq: 30 Oct 2019 16:16

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	3.6
130	72.5	59.4	89.0





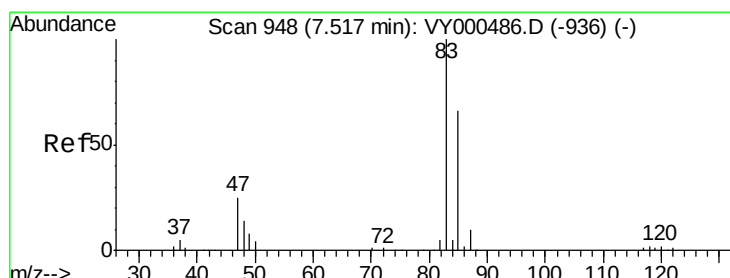
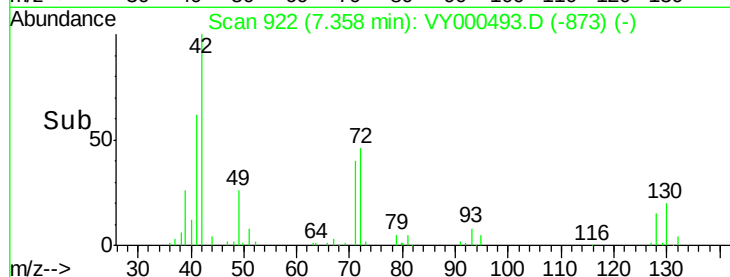
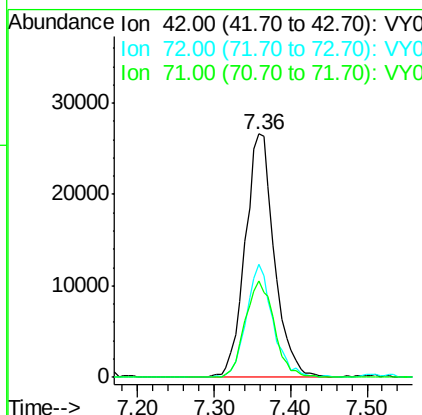
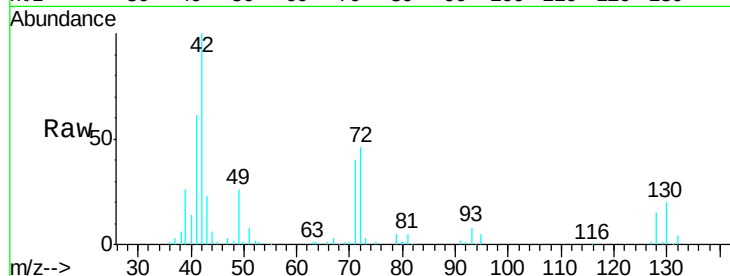
#29
Tetrahydrofuran
Concen: 102.070 ug/l
RT: 7.36 min Scan# 922
Delta R.T. 0.00 min
Lab File: VY000493.D
Acq: 30 Oct 2019 16:16

Instrument :
MSVOA_Y
ClientSampleId :
VY1030SBS01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	42.5	34.0	51.0
71	39.5	30.8	46.2

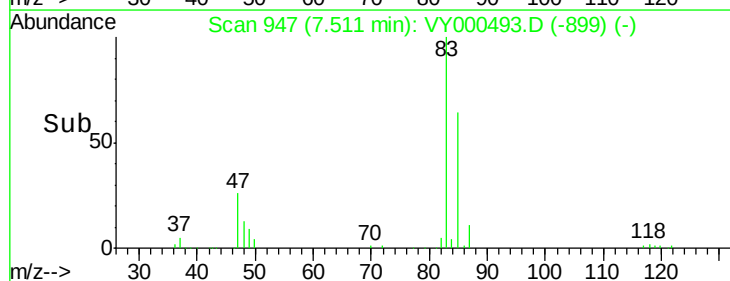
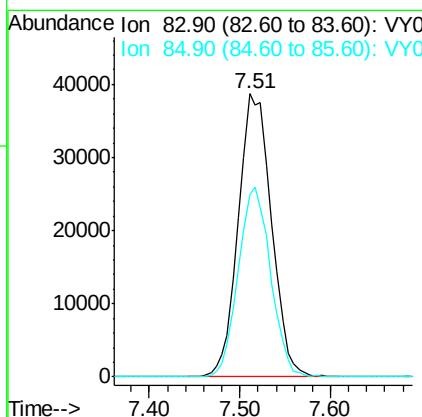
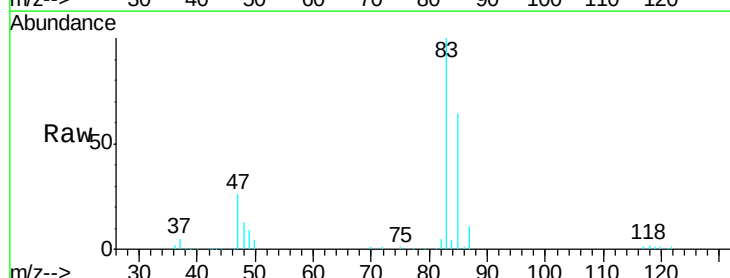
Manual Integrations
APPROVED

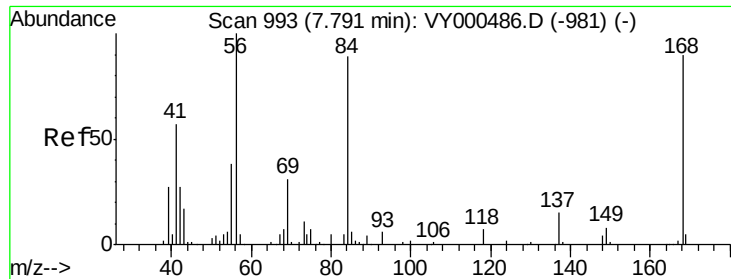
MMDadoda
10/31/2019 11:31:47 AM



#30
Chloroform
Concen: 20.432 ug/l
RT: 7.51 min Scan# 947
Delta R.T. -0.01 min
Lab File: VY000493.D
Acq: 30 Oct 2019 16:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	53.0	79.4





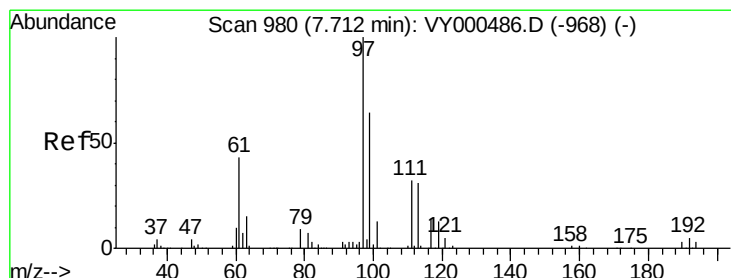
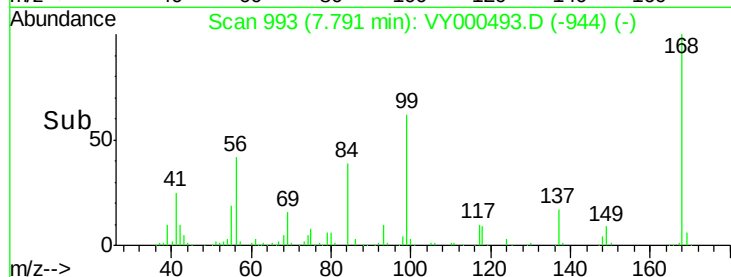
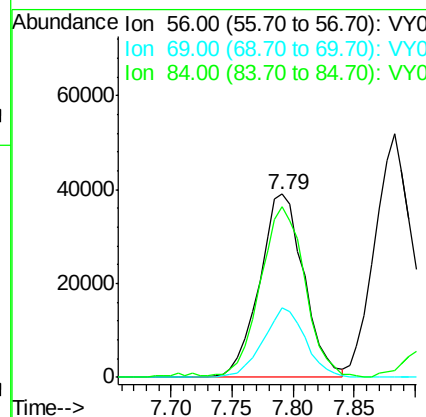
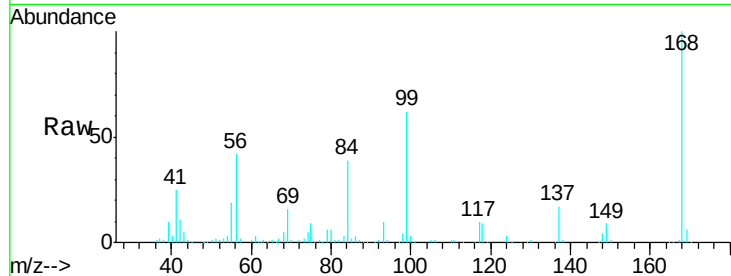
#31
Cyclohexane
Concen: 19.887 ug/l
RT: 7.79 min Scan# 993
Delta R.T. 0.00 min
Lab File: VY000493.D
Acq: 30 Oct 2019 16:16

Instrument :
MSVOA_Y
ClientSampleId :
VY1030SBS01

Tgt Ion: 56 Resp: 98977
Ion Ratio Lower Upper
56 100
69 37.9 25.0 37.6#
84 91.3 71.4 107.2

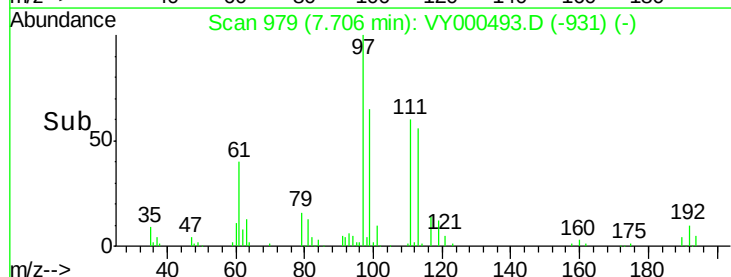
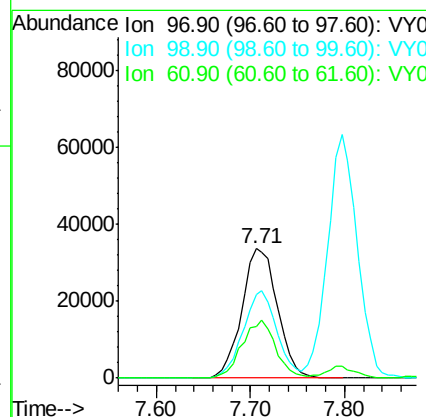
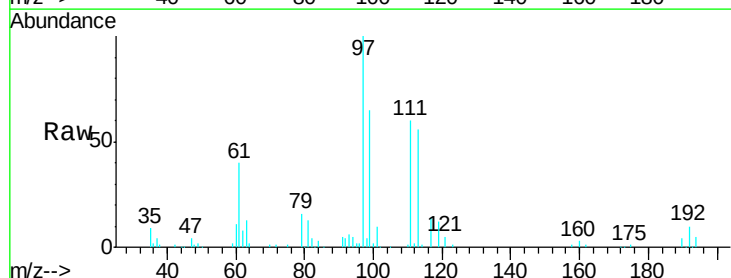
Manual Integrations
APPROVED

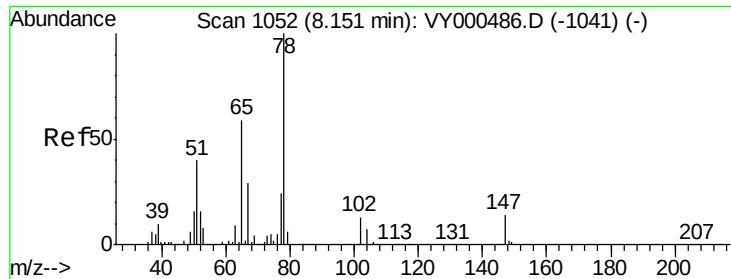
MMDadoda
10/31/2019 11:31:47 AM



#32
1,1,1-Trichloroethane
Concen: 20.749 ug/l
RT: 7.71 min Scan# 979
Delta R.T. -0.01 min
Lab File: VY000493.D
Acq: 30 Oct 2019 16:16

Tgt Ion: 97 Resp: 88889
Ion Ratio Lower Upper
97 100
99 64.4 50.9 76.3
61 42.5 34.9 52.3





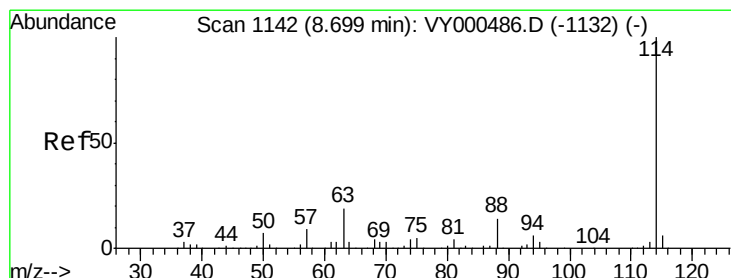
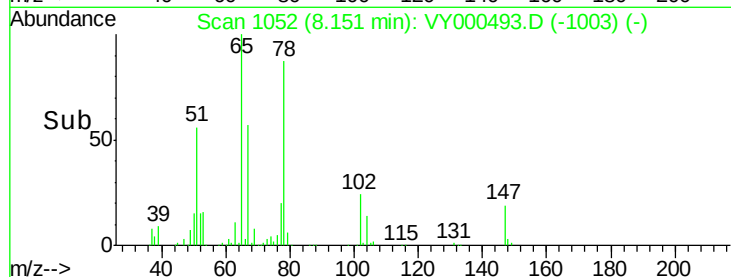
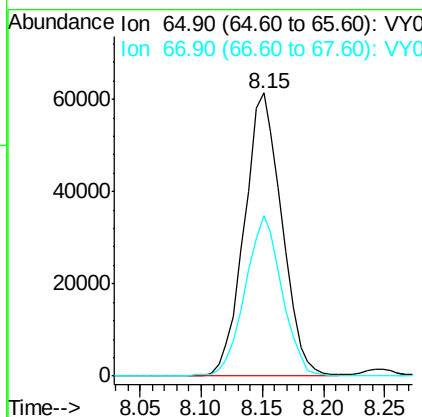
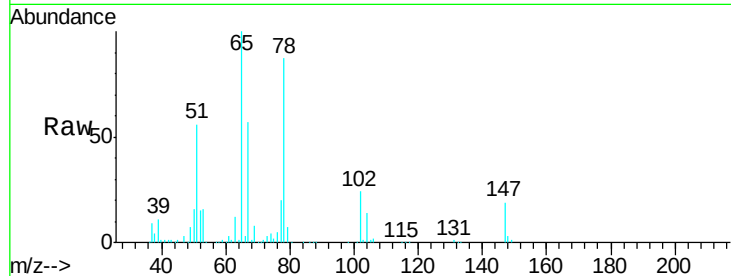
#33
 1,2-Dichloroethane-d4
 Concen: 50.922 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VY000493.D
 Acq: 30 Oct 2019 16:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1030SBS01

Tgt Ion: 65 Resp: 130926
 Ion Ratio Lower Upper
 65 100
 67 55.7 0.0 107.2

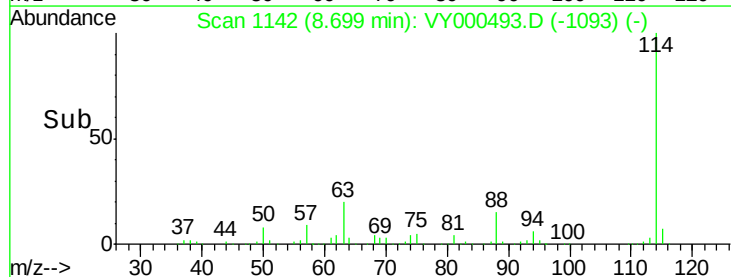
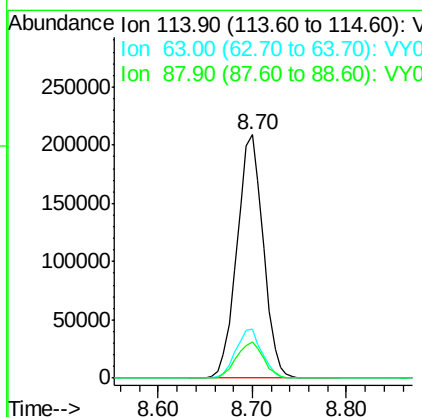
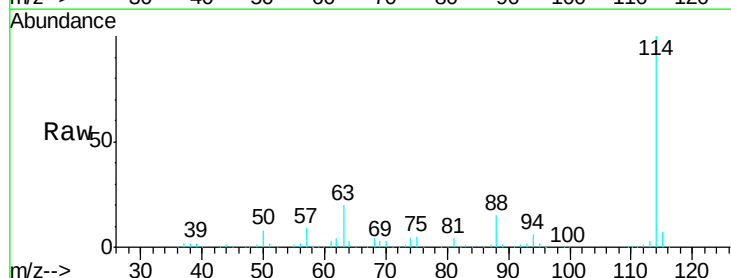
Manual Integrations
 APPROVED

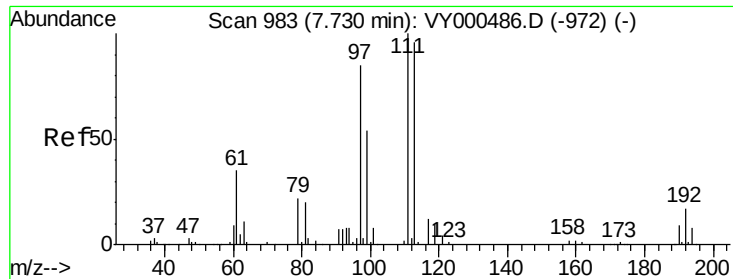
MMDadoda
 10/31/2019 11:31:47 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. 0.00 min
 Lab File: VY000493.D
 Acq: 30 Oct 2019 16:16

Tgt Ion: 114 Resp: 403529
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 38.0
 88 14.6 0.0 28.6





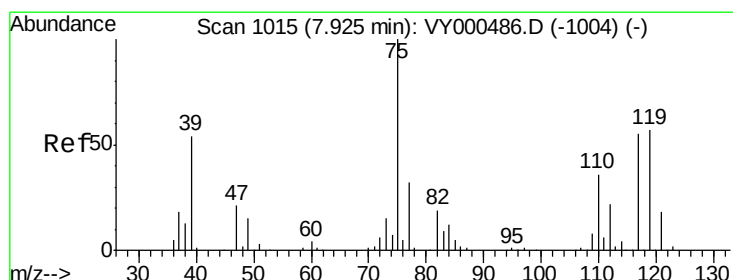
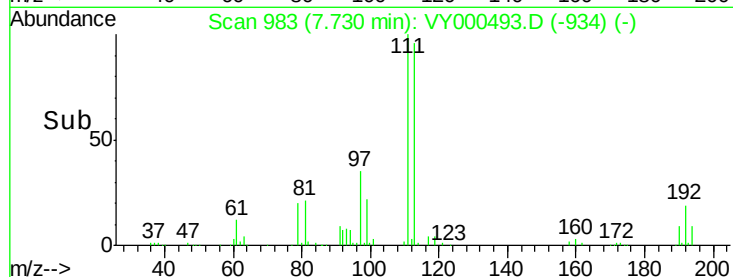
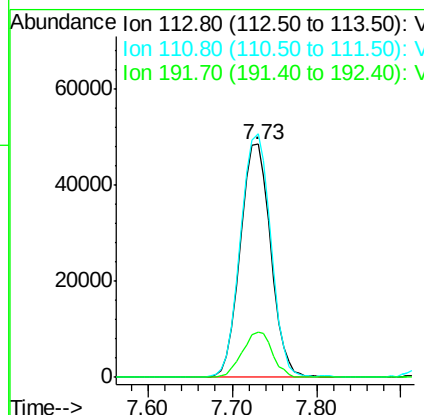
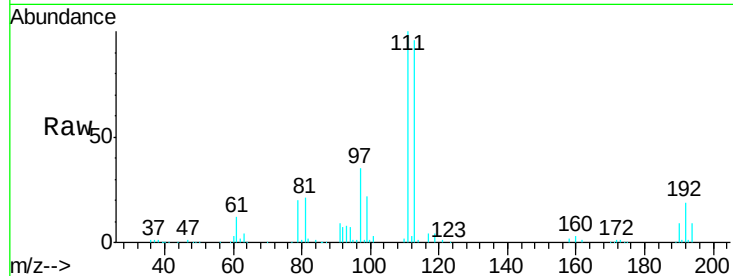
#35
 Dibromofluoromethane
 Concen: 49.966 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. 0.00 min
 Lab File: VY000493.D
 Acq: 30 Oct 2019 16:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1030SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	118368		
111	104.4	81.7	122.5	
192	19.2	15.0	22.4	

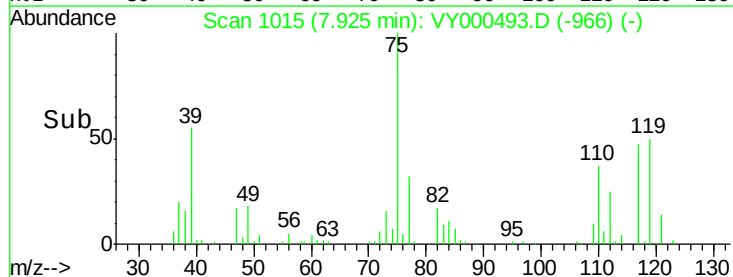
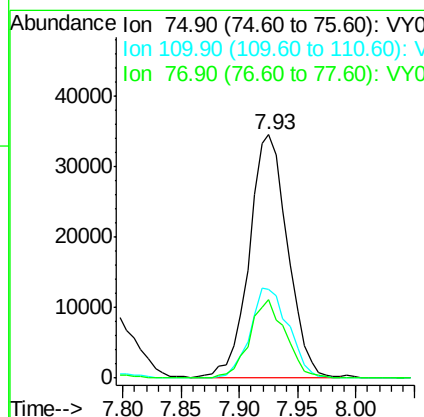
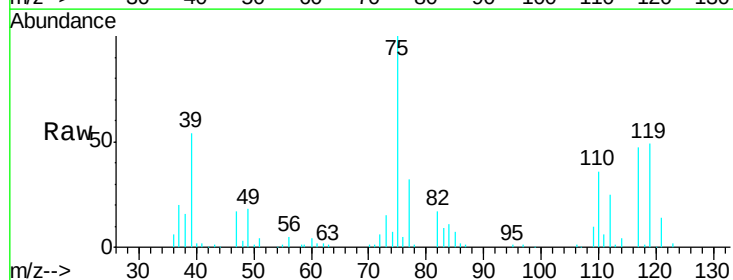
Manual Integrations
 APPROVED

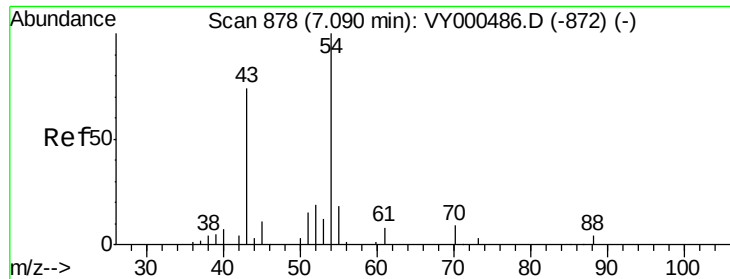
MMDadoda
 10/31/2019 11:31:47 AM



#36
 1,1-Dichloropropene
 Concen: 20.773 ug/l
 RT: 7.93 min Scan# 1015
 Delta R.T. 0.00 min
 Lab File: VY000493.D
 Acq: 30 Oct 2019 16:16

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	79245		
110	37.0	18.1	54.1	
77	30.2	25.0	37.6	





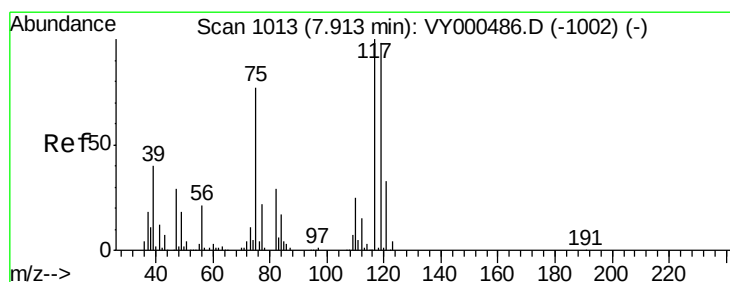
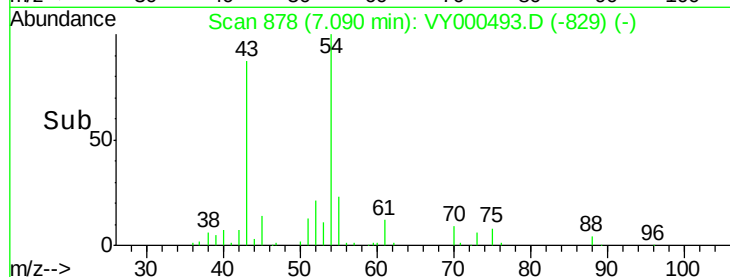
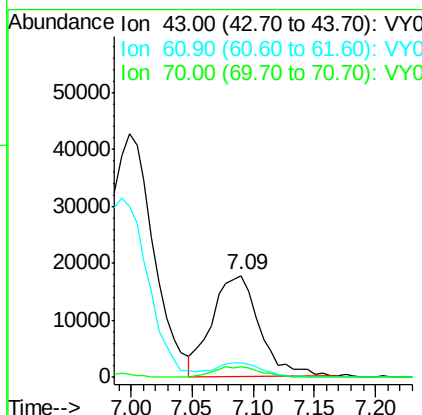
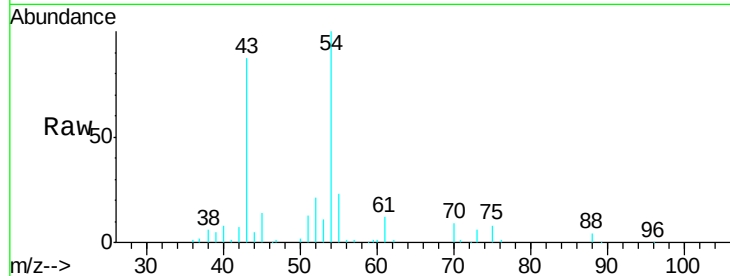
#37
Ethyl Acetate
Concen: 21.159 ug/l
RT: 7.09 min Scan# 878
Delta R.T. 0.00 min
Lab File: VY000493.D
Acq: 30 Oct 2019 16:16

Instrument :
MSVOA_Y
ClientSampleId :
VY1030SBS01

Tgt Ion: 43 Resp: 47921
Ion Ratio Lower Upper
43 100
61 14.6 10.2 15.2
70 10.4 7.8 11.8

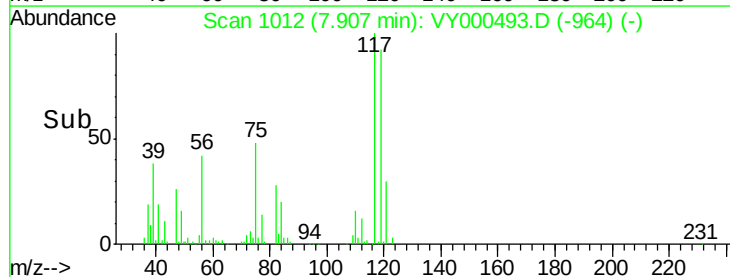
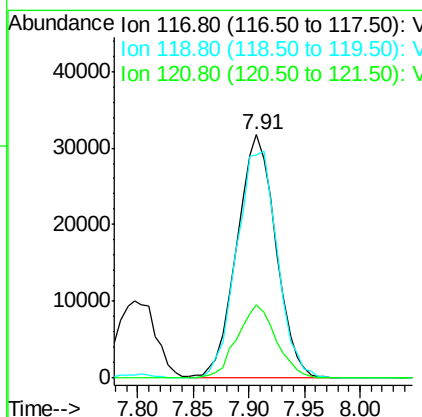
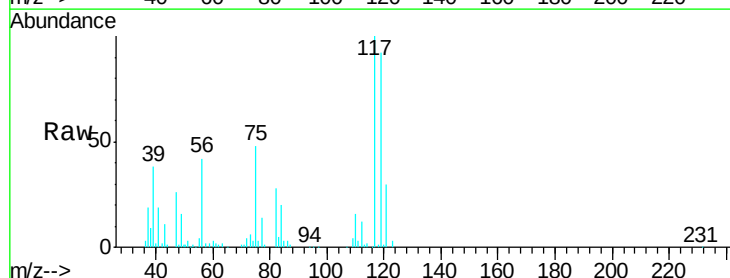
Manual Integrations
APPROVED

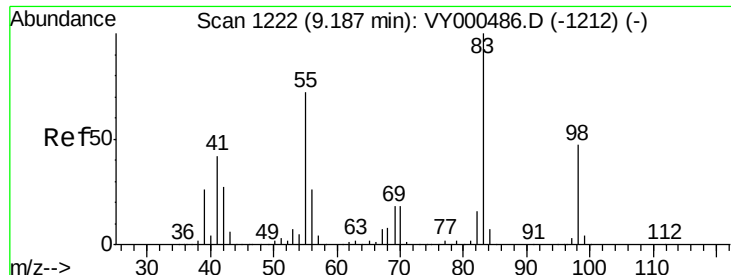
MMDadoda
10/31/2019 11:31:47 AM



#38
Carbon Tetrachloride
Concen: 21.137 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. -0.01 min
Lab File: VY000493.D
Acq: 30 Oct 2019 16:16

Tgt Ion: 117 Resp: 77588
Ion Ratio Lower Upper
117 100
119 91.7 78.0 117.0
121 29.9 26.6 40.0





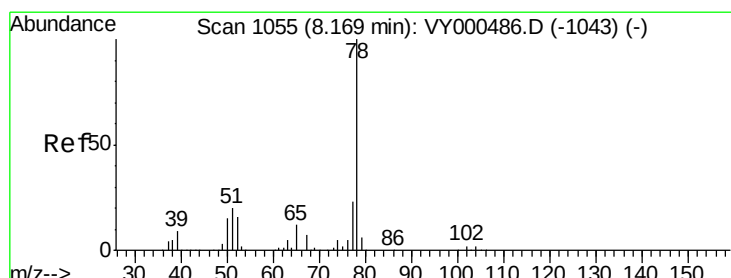
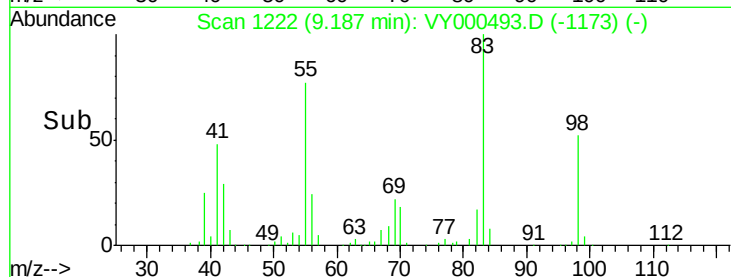
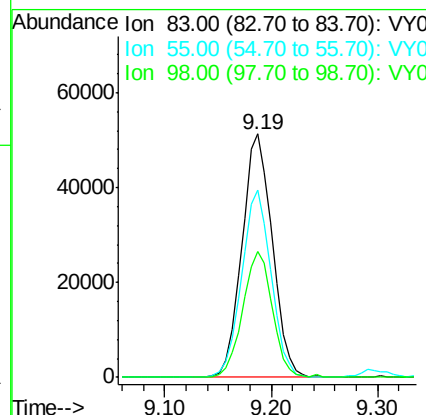
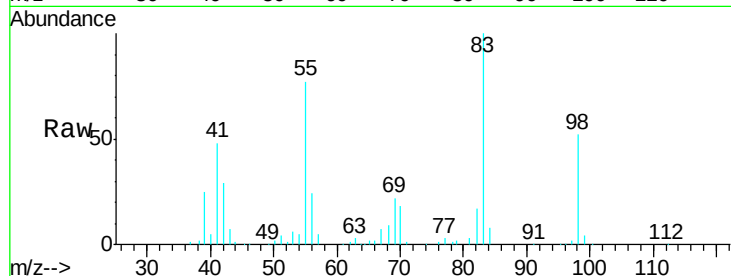
#39
Methylcyclohexane
Concen: 20.871 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. 0.00 min
Lab File: VY000493.D
Acq: 30 Oct 2019 16:16

Instrument :
MSVOA_Y
ClientSampleId :
VY1030SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	102859		
55	76.7		57.5	86.3
98	51.8		38.0	57.0

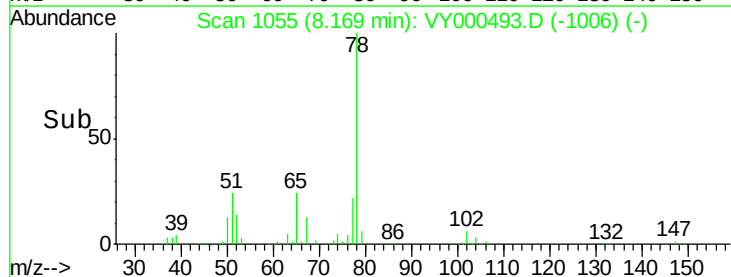
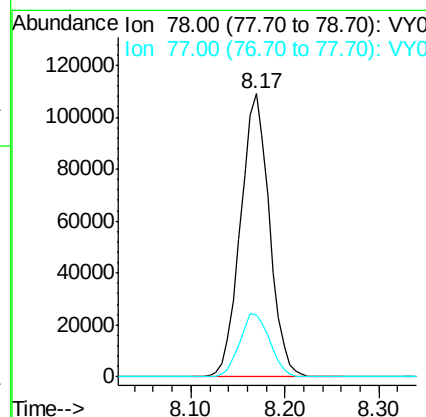
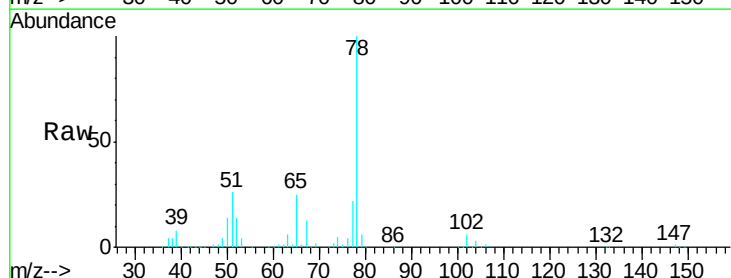
Manual Integrations
APPROVED

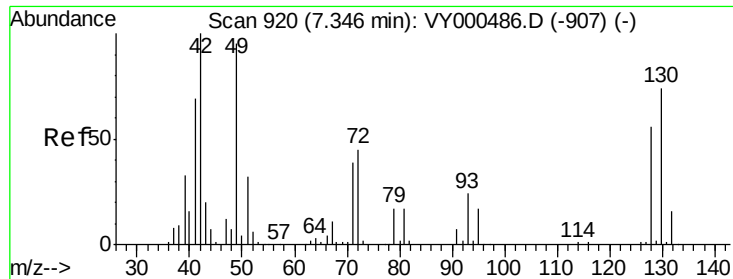
MMDadoda
10/31/2019 11:31:47 AM



#40
Benzene
Concen: 20.846 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. 0.00 min
Lab File: VY000493.D
Acq: 30 Oct 2019 16:16

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	233138		
77	21.9		18.6	28.0





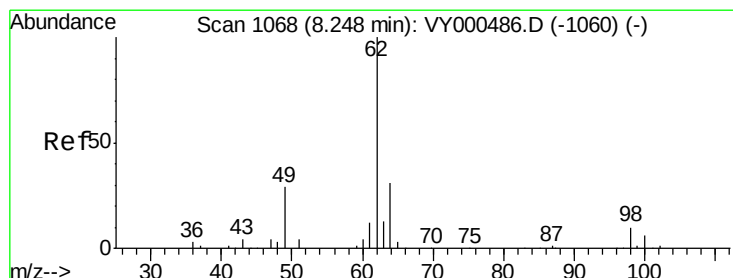
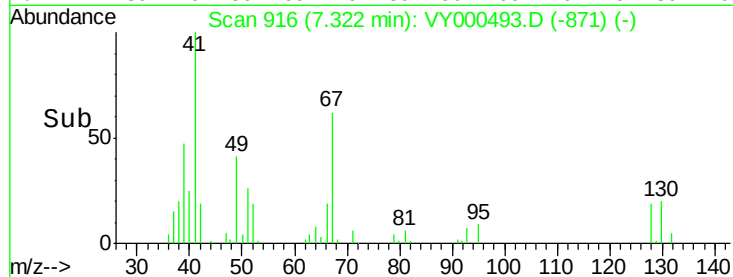
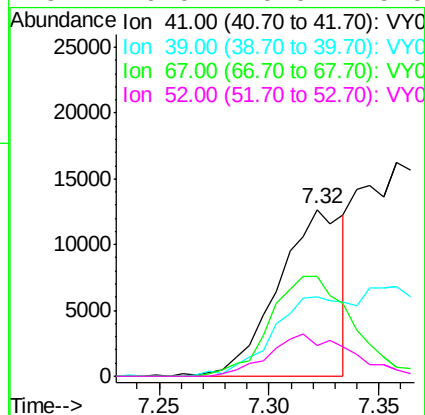
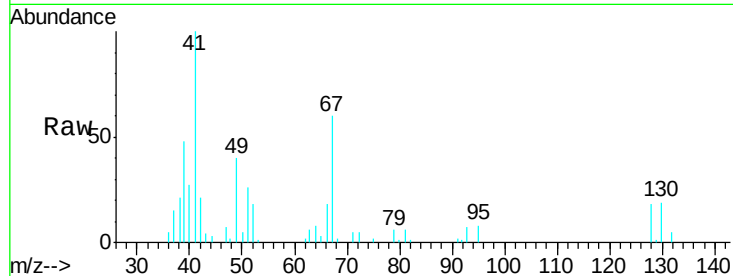
#41
Methacrylonitrile
Concen: 20.968 ug/l m
RT: 7.32 min Scan# 916
Delta R.T. -0.02 min
Lab File: VY000493.D
Acq: 30 Oct 2019 16:16

Instrument :
MSVOA_Y
ClientSampleId :
VY1030SBS01

Tgt Ion:	41	Resp:	26492
Ion Ratio	Lower	Upper	
41	100		
39	56.4	68.2	102.4#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

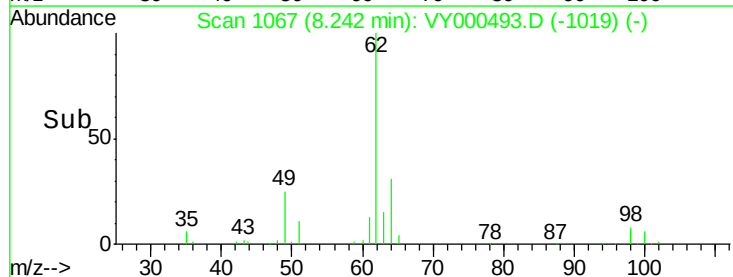
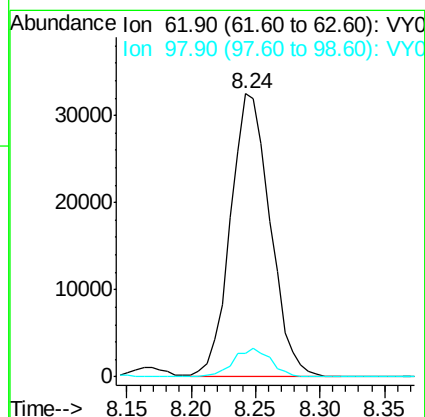
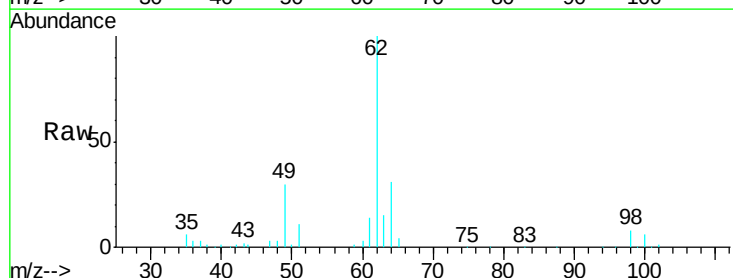
Manual Integrations
APPROVED

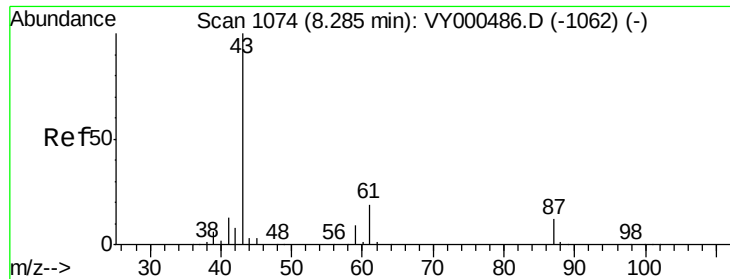
MMDadoda
10/31/2019 11:31:47 AM



#42
1,2-Dichloroethane
Concen: 21.976 ug/l
RT: 8.24 min Scan# 1067
Delta R.T. -0.01 min
Lab File: VY000493.D
Acq: 30 Oct 2019 16:16

Tgt Ion:	62	Resp:	69710
Ion Ratio	Lower	Upper	
62	100		
98	9.5	0.0	19.2





#43

Isopropyl Acetate

Concen: 20.768 ug/l

RT: 8.28 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VY000493.D

Acq: 30 Oct 2019 16:16

Instrument :

MSVOA_Y

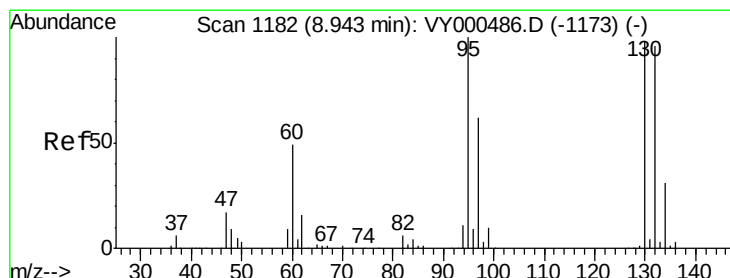
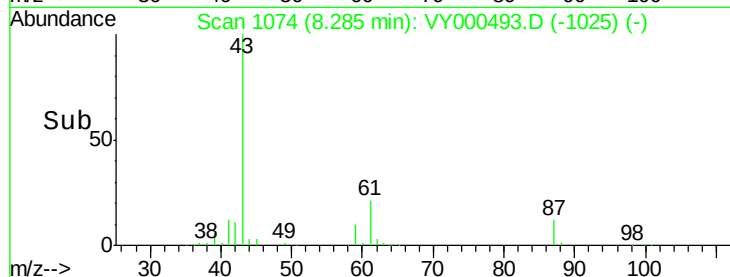
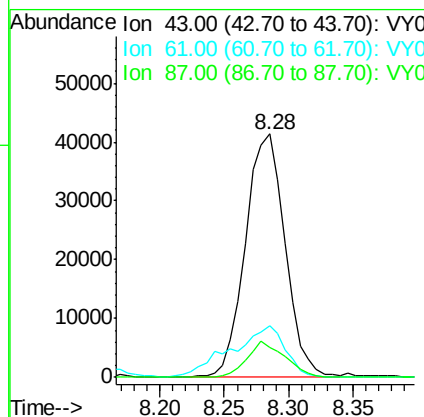
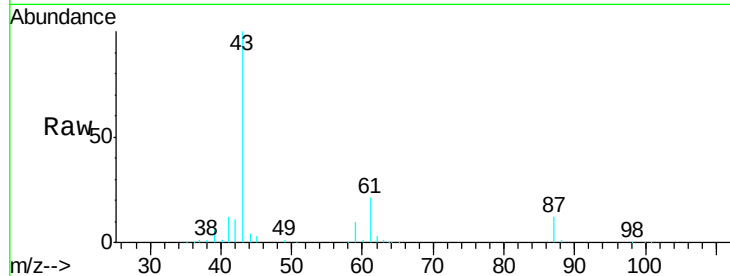
ClientSampleId :

VY1030SBS01

Tgt Ion:	43	Resp:	88359
Ion	Ratio	Lower	Upper
43	100		
61	29.1	23.0	34.4
87	14.2	10.5	15.7

Manual Integrations
APPROVED

MMDadoda
10/31/2019 11:31:47 AM



#44

Trichloroethene

Concen: 21.552 ug/l

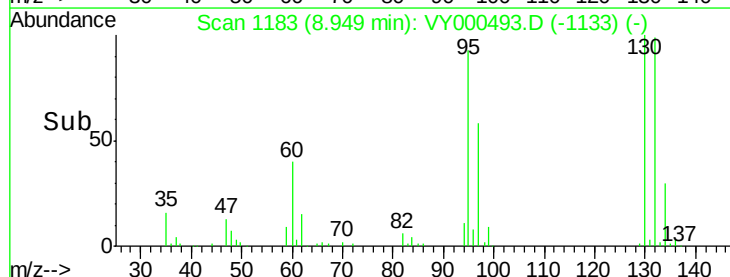
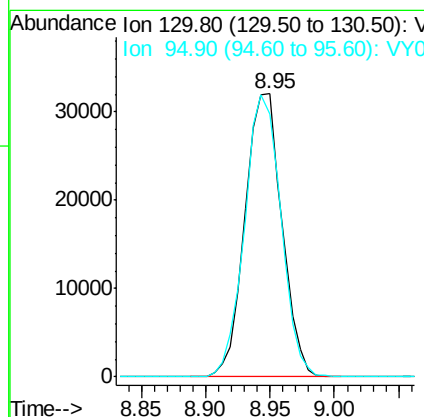
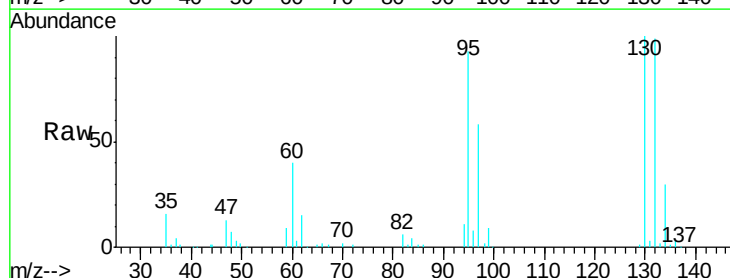
RT: 8.95 min Scan# 1183

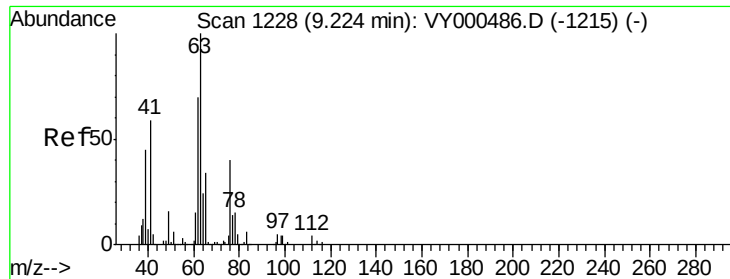
Delta R.T. 0.01 min

Lab File: VY000493.D

Acq: 30 Oct 2019 16:16

Tgt Ion:	130	Resp:	63554
Ion	Ratio	Lower	Upper
130	100		
95	92.7	0.0	203.2





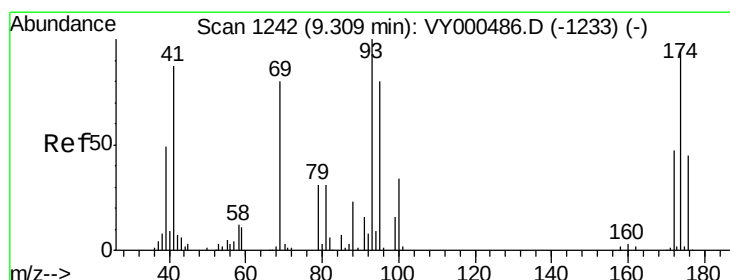
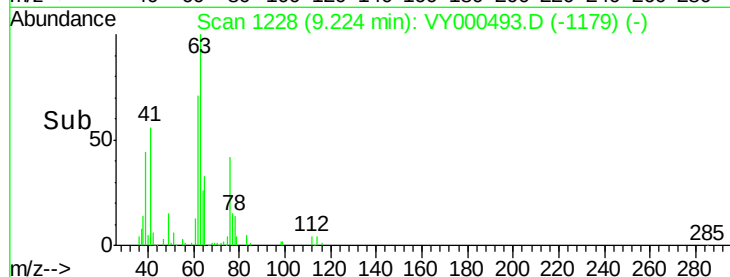
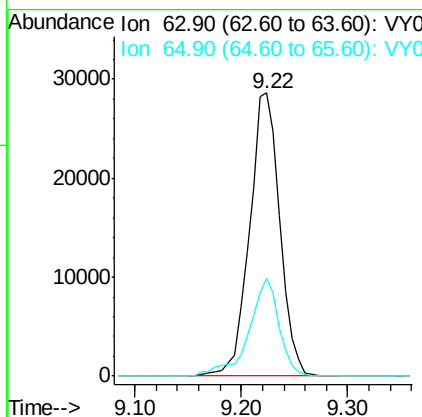
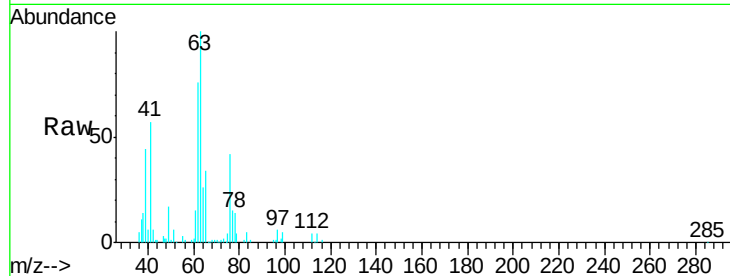
#45
 1,2-Dichloropropane
 Concen: 20.711 ug/l
 RT: 9.22 min Scan# 1228
 Delta R.T. 0.00 min
 Lab File: VY000493.D
 Acq: 30 Oct 2019 16:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1030SBS01

Tgt Ion: 63 Resp: 57010
 Ion Ratio Lower Upper
 63 100
 65 34.3 27.0 40.4

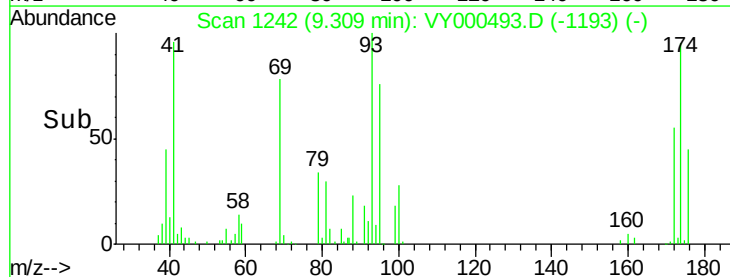
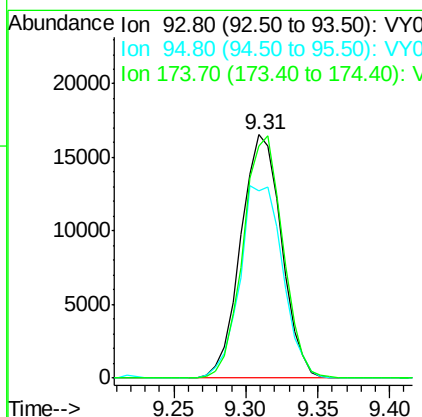
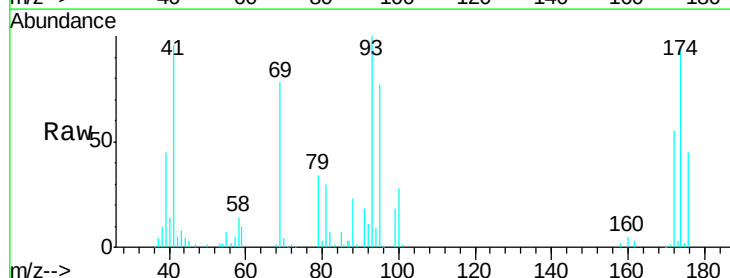
Manual Integrations
 APPROVED

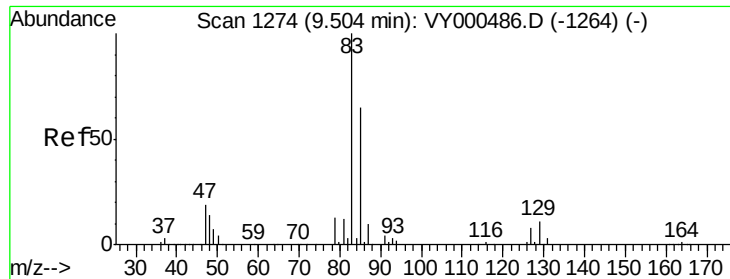
MMDadoda
 10/31/2019 11:31:47 AM



#46
 Dibromomethane
 Concen: 21.427 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VY000493.D
 Acq: 30 Oct 2019 16:16

Tgt Ion: 93 Resp: 32436
 Ion Ratio Lower Upper
 93 100
 95 82.8 66.4 99.6
 174 97.0 77.1 115.7





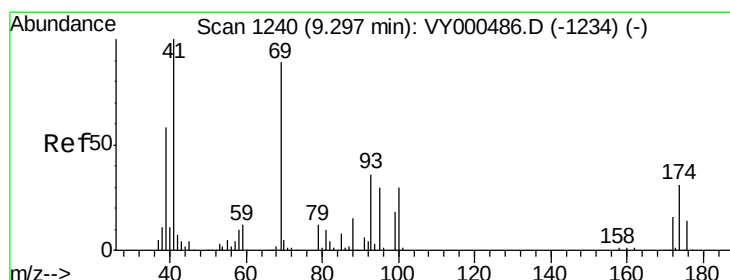
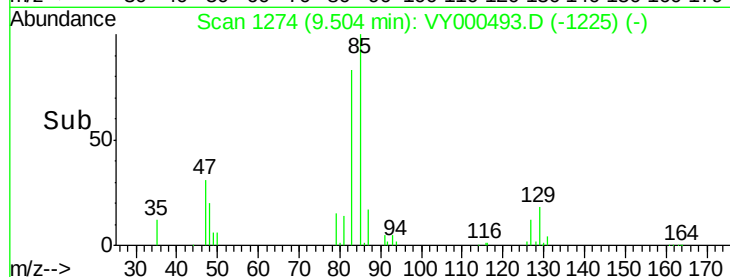
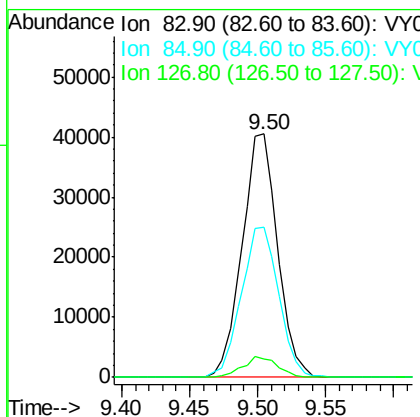
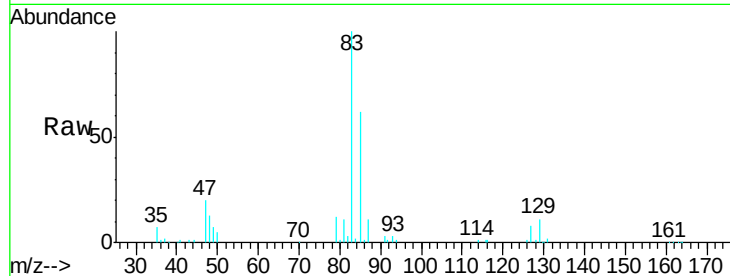
#47
Bromodichloromethane
Concen: 20.607 ug/l
RT: 9.50 min Scan# 1274
Delta R.T. 0.00 min
Lab File: VY000493.D
Acq: 30 Oct 2019 16:16

Instrument :
MSVOA_Y
ClientSampleId :
VY1030SBS01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.7	51.8	77.8
127	7.6	6.7	10.1

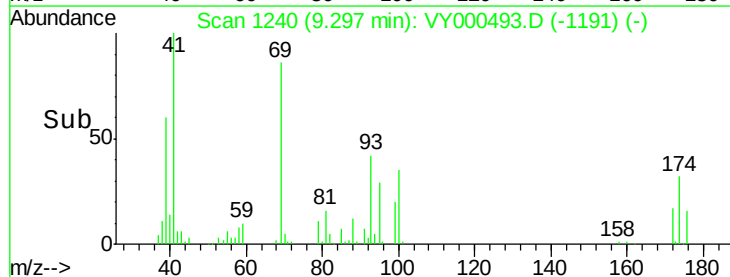
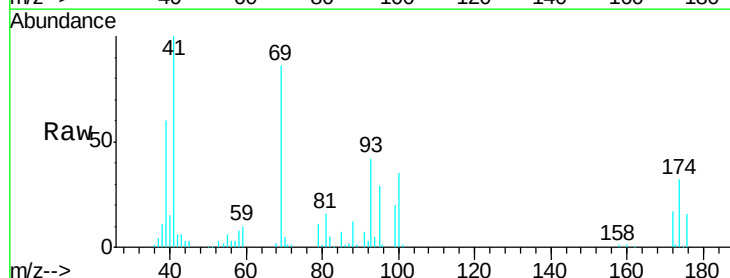
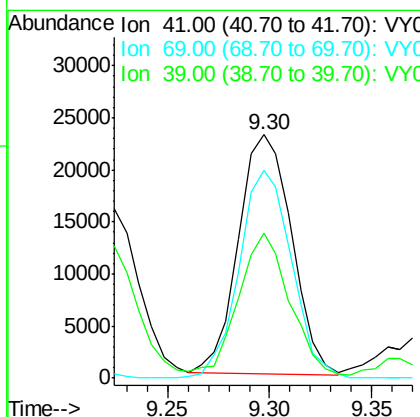
Manual Integrations
APPROVED

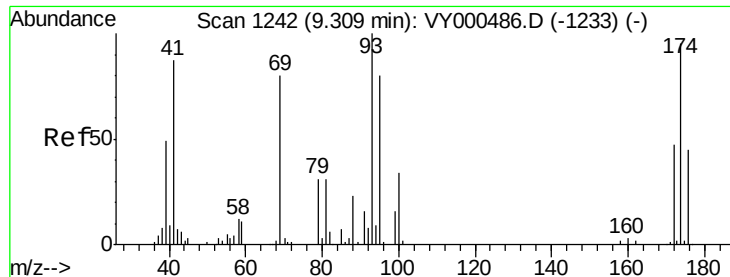
MMDadoda
10/31/2019 11:31:47 AM



#48
Methyl methacrylate
Concen: 22.397 ug/l
RT: 9.30 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VY000493.D
Acq: 30 Oct 2019 16:16

Tgt Ion	Ratio	Lower	Upper
41	100		
69	85.9	72.5	108.7
39	59.7	47.8	71.8





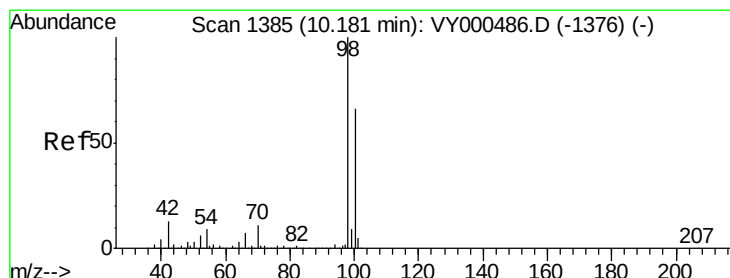
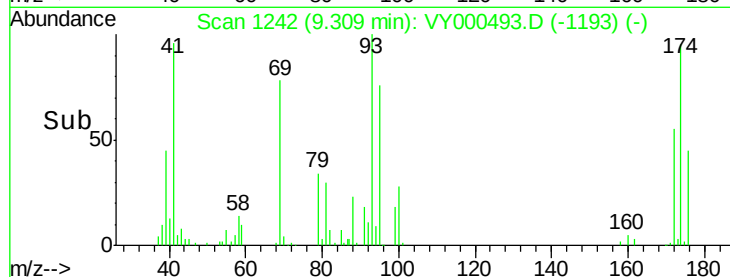
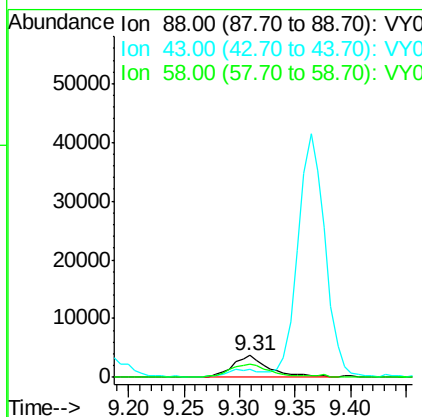
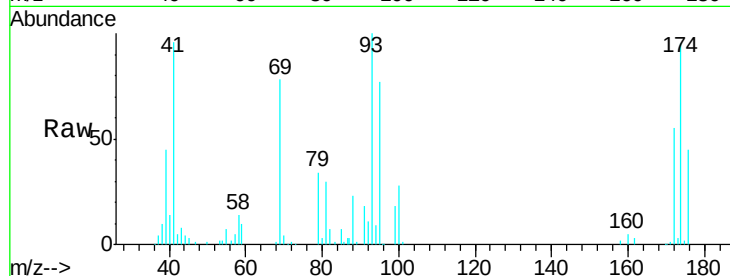
#49
1,4-Dioxane
Concen: 420.540 ug/l
RT: 9.31 min Scan# 1242
Delta R.T. 0.00 min
Lab File: VY000493.D
Acq: 30 Oct 2019 16:16

Instrument :
MSVOA_Y
ClientSampleId :
VY1030SBS01

Tgt Ion	Ratio	Lower	Upper
88	100		
43	36.6	25.1	37.7
58	67.9	50.6	75.8

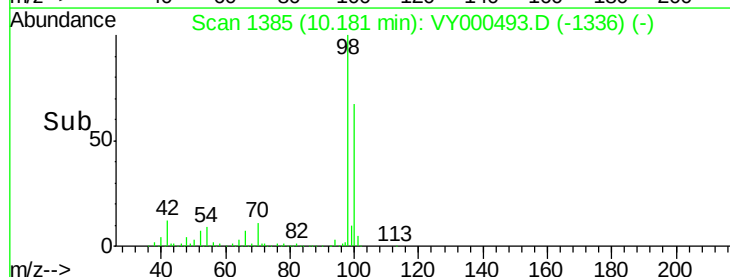
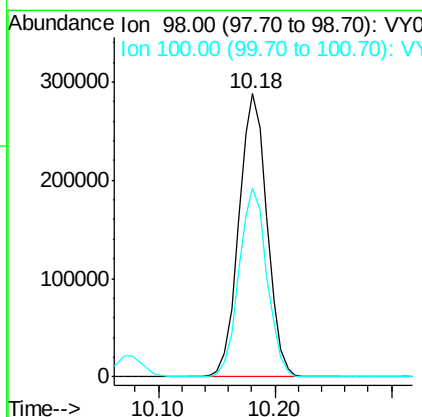
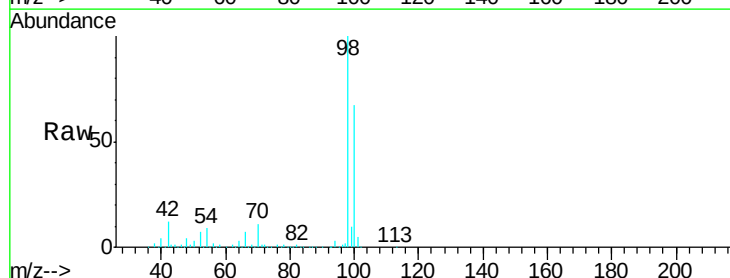
Manual Integrations
APPROVED

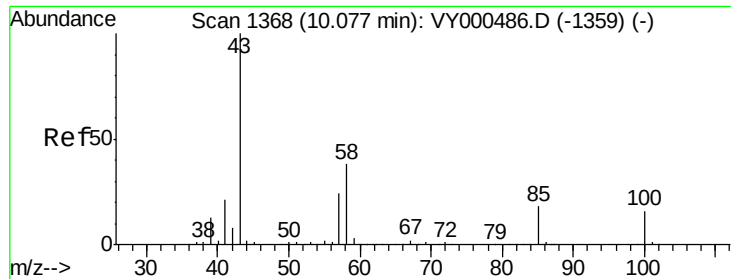
MMDadoda
10/31/2019 11:31:47 AM



#50
Toluene-d8
Concen: 53.931 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VY000493.D
Acq: 30 Oct 2019 16:16

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.5	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 108.944 ug/l

RT: 10.08 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VY000493.D

Acq: 30 Oct 2019 16:16

Instrument :

MSVOA_Y

ClientSampleId :

VY1030SBS01

Tgt Ion: 43 Resp: 246433

Ion Ratio Lower Upper

43 100

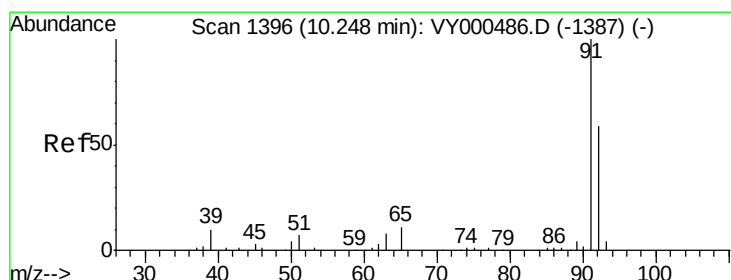
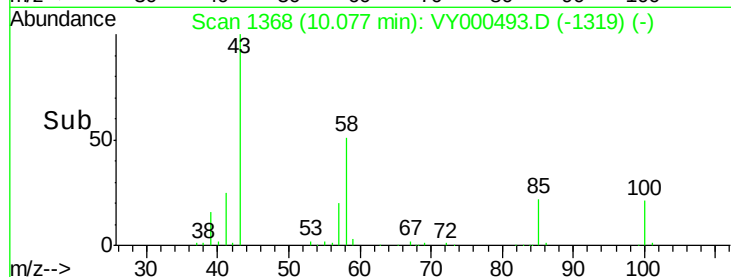
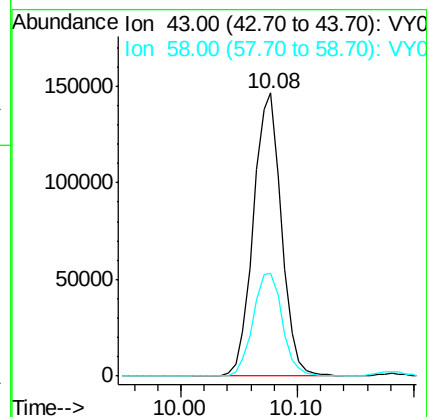
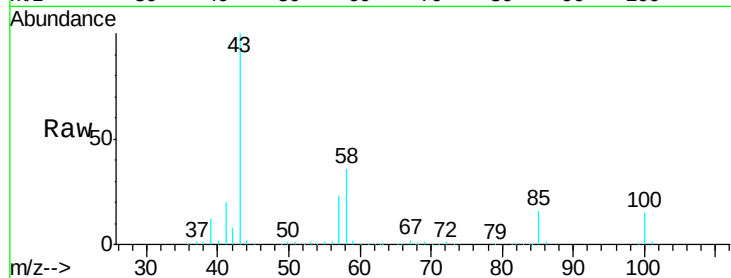
58 38.2 30.2 45.4

Manual Integrations

APPROVED

MMDadoda

10/31/2019 11:31:47 AM



#52

Toluene

Concen: 20.611 ug/l

RT: 10.25 min Scan# 1396

Delta R.T. 0.00 min

Lab File: VY000493.D

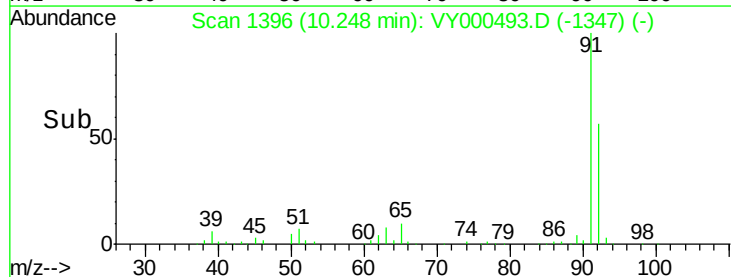
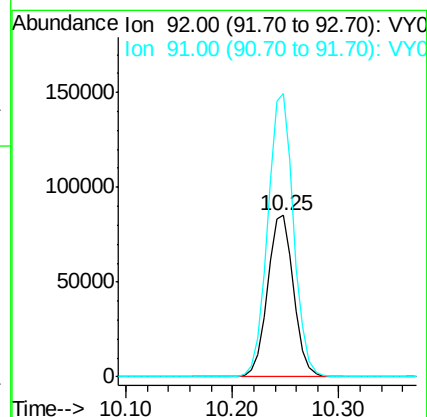
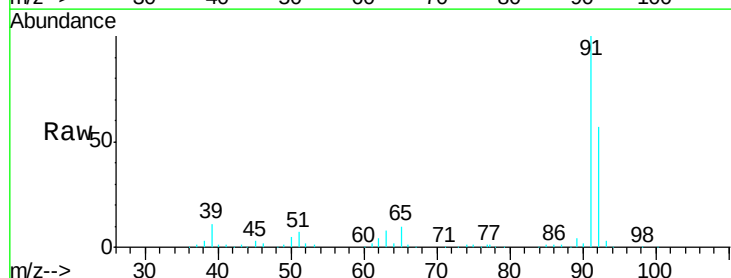
Acq: 30 Oct 2019 16:16

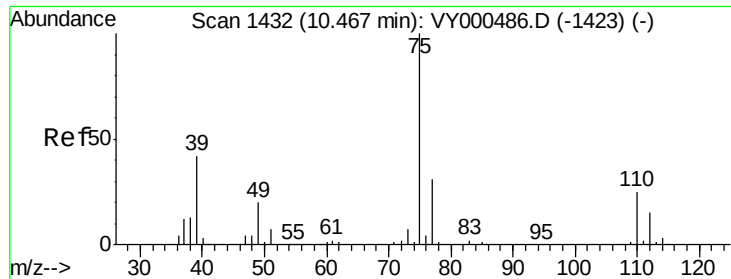
Tgt Ion: 92 Resp: 145736

Ion Ratio Lower Upper

92 100

91 173.5 136.3 204.5





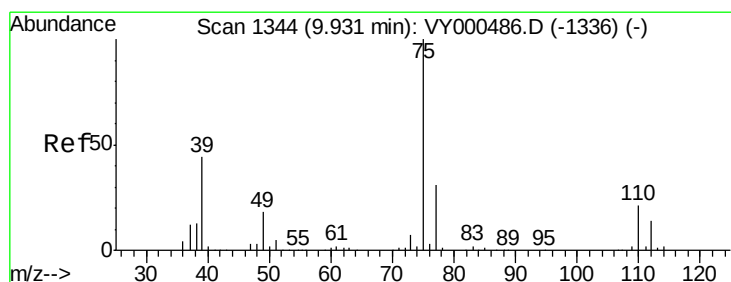
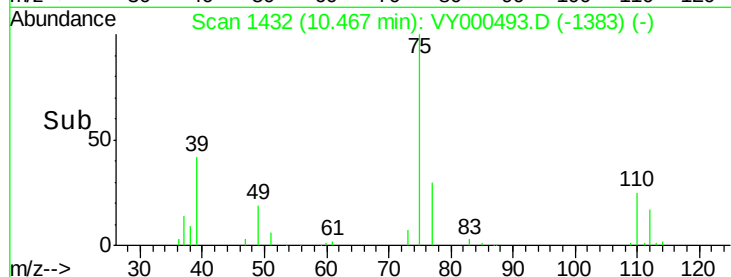
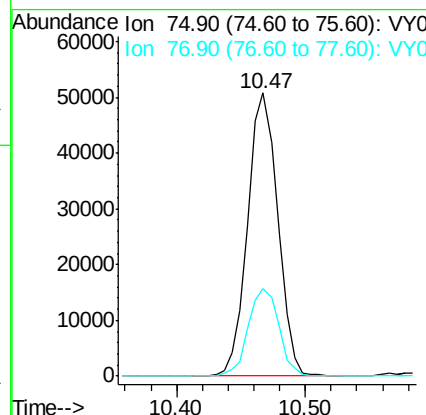
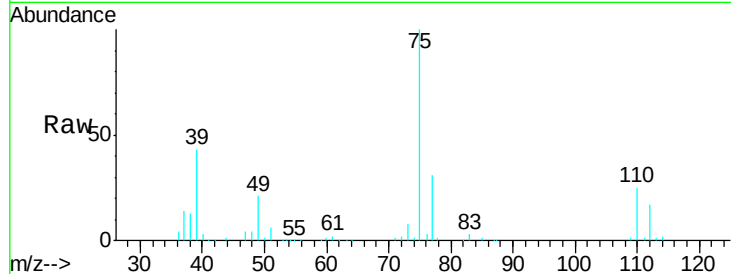
#53
 t-1,3-Dichloropropene
 Concen: 21.336 ug/l
 RT: 10.47 min Scan# 1432
 Delta R.T. 0.00 min
 Lab File: VY000493.D
 Acq: 30 Oct 2019 16:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1030SBS01

Tgt Ion: 75 Resp: 81887
 Ion Ratio Lower Upper
 75 100
 77 30.7 24.6 37.0

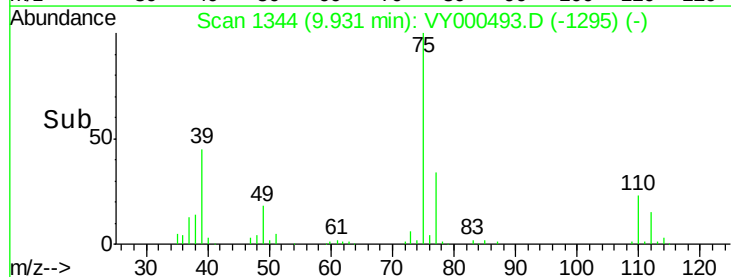
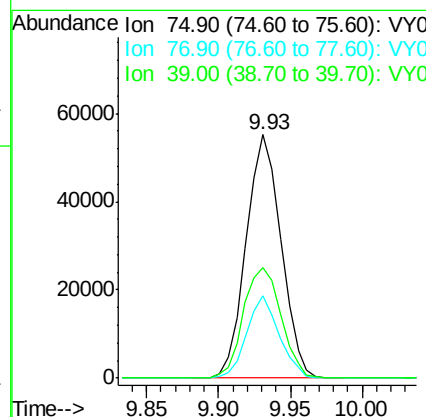
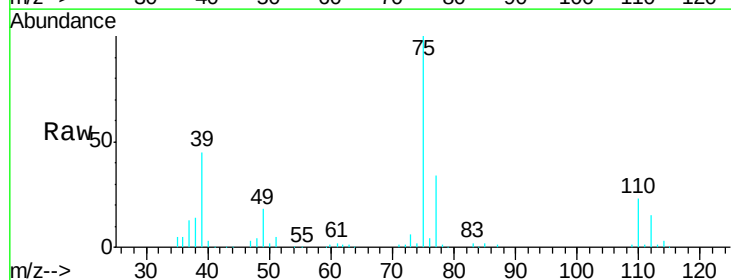
Manual Integrations
 APPROVED

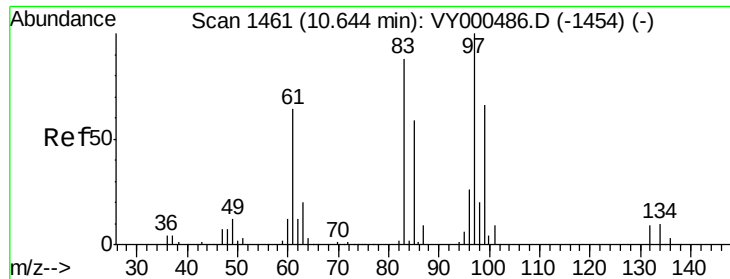
MMDadoda
 10/31/2019 11:31:47 AM



#54
 cis-1,3-Dichloropropene
 Concen: 21.116 ug/l
 RT: 9.93 min Scan# 1344
 Delta R.T. 0.00 min
 Lab File: VY000493.D
 Acq: 30 Oct 2019 16:16

Tgt Ion: 75 Resp: 92844
 Ion Ratio Lower Upper
 75 100
 77 33.6 24.5 36.7
 39 45.4 35.4 53.2





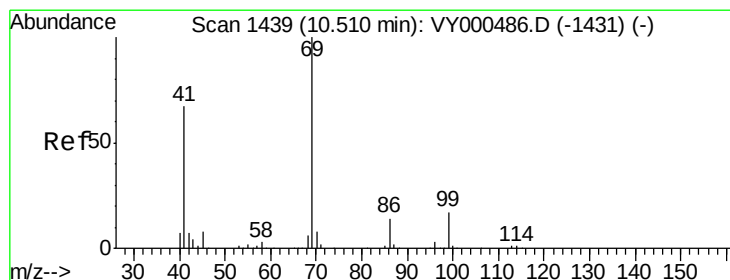
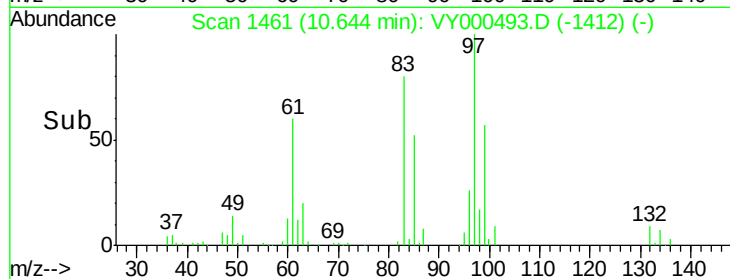
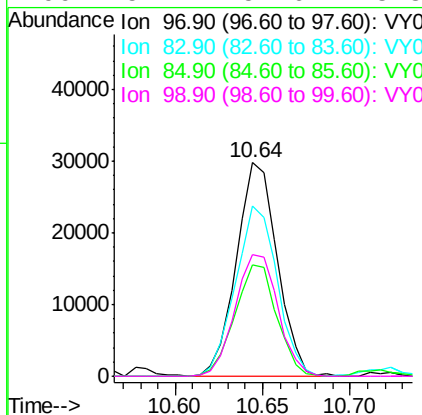
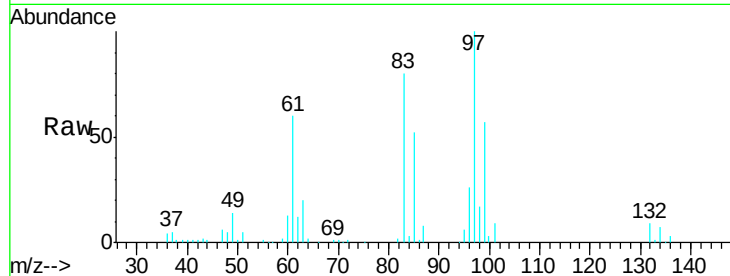
#55
 1,1,2-Trichloroethane
 Concen: 22.198 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. 0.00 min
 Lab File: VY000493.D
 Acq: 30 Oct 2019 16:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1030SBS01

Tgt Ion	Ratio	Lower	Upper
97	100		
83	79.3	70.2	105.4
85	52.2	46.9	70.3
99	57.2	52.6	78.8

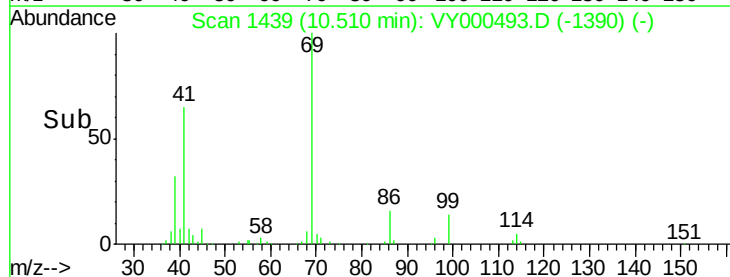
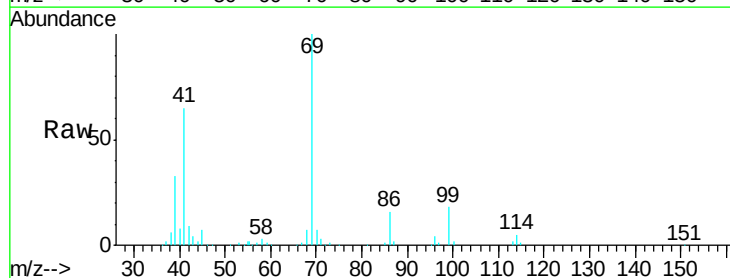
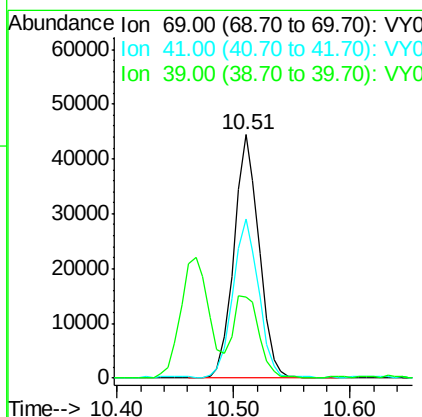
Manual Integrations
 APPROVED

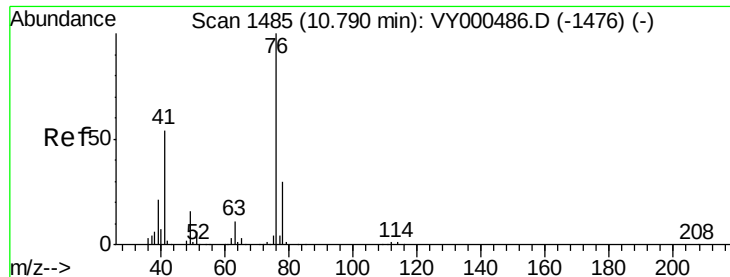
MMDadoda
 10/31/2019 11:31:47 AM



#56
 Ethyl methacrylate
 Concen: 21.500 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. 0.00 min
 Lab File: VY000493.D
 Acq: 30 Oct 2019 16:16

Tgt Ion	Ratio	Lower	Upper
69	100		
41	66.7	53.3	79.9
39	35.2	28.0	42.0





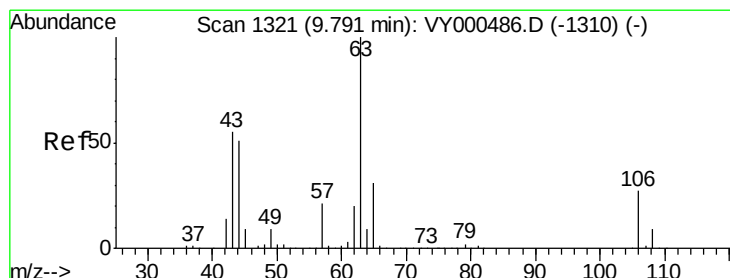
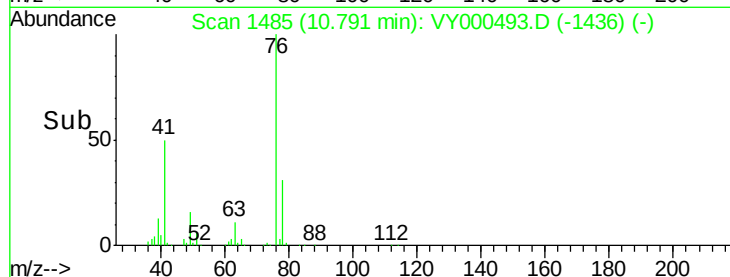
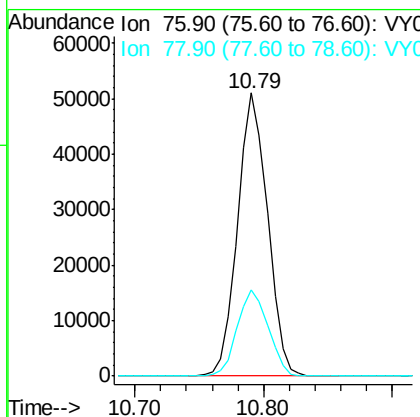
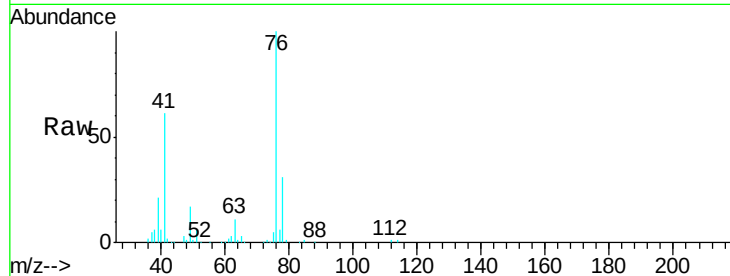
#57
 1,3-Dichloropropane
 Concen: 21.474 ug/l
 RT: 10.79 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VY000493.D
 Acq: 30 Oct 2019 16:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1030SBS01

Tgt Ion: 76 Resp: 82292
 Ion Ratio Lower Upper
 76 100
 78 31.5 25.2 37.8

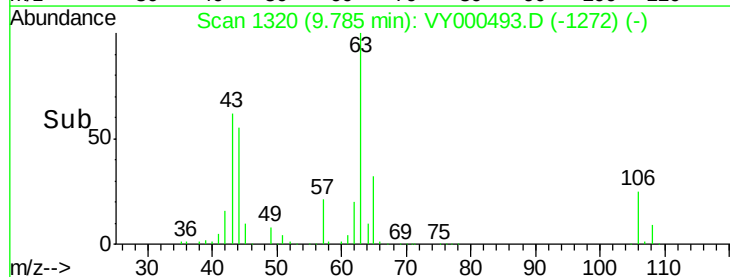
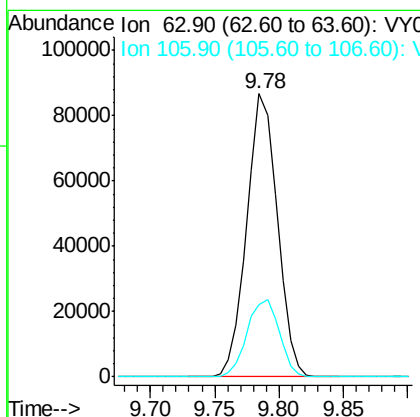
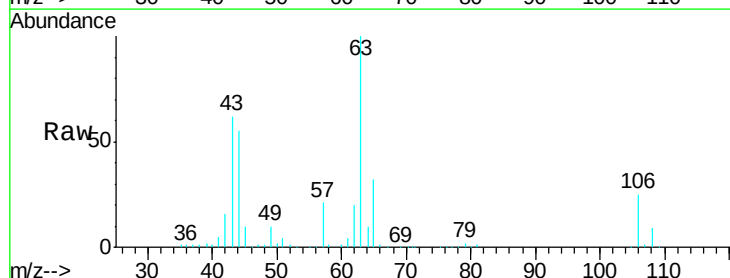
Manual Integrations
 APPROVED

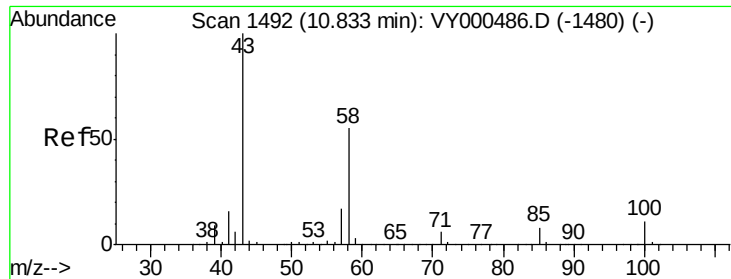
MMDadoda
 10/31/2019 11:31:47 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 101.506 ug/l
 RT: 9.78 min Scan# 1320
 Delta R.T. -0.01 min
 Lab File: VY000493.D
 Acq: 30 Oct 2019 16:16

Tgt Ion: 63 Resp: 142411
 Ion Ratio Lower Upper
 63 100
 106 28.7 22.6 33.8





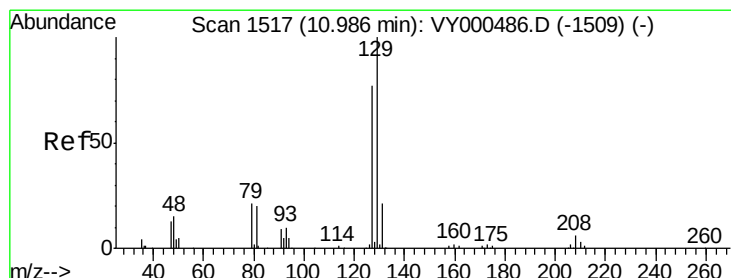
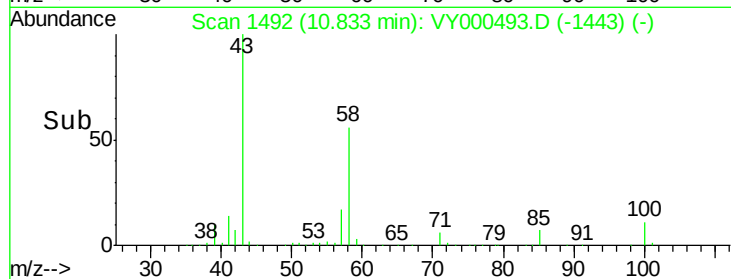
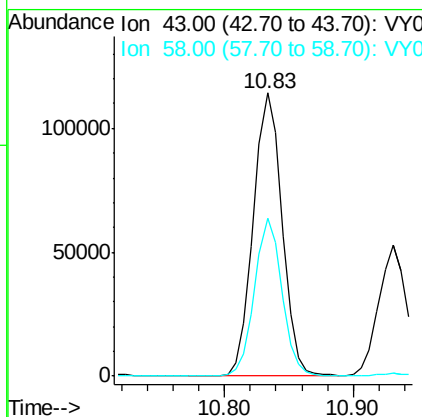
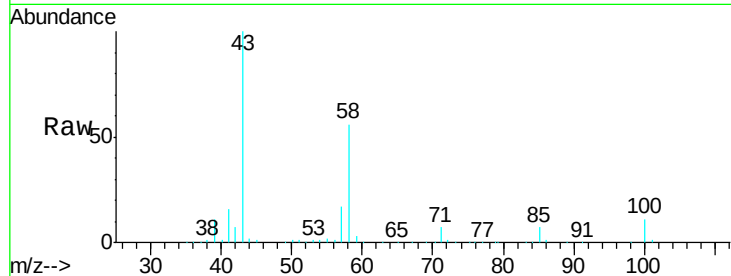
#59
2-Hexanone
Concen: 106.766 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VY000493.D
Acq: 30 Oct 2019 16:16

Instrument :
MSVOA_Y
ClientSampleId :
VY1030SBS01

Tgt Ion: 43 Resp: 175961
Ion Ratio Lower Upper
43 100
58 53.1 27.1 81.3

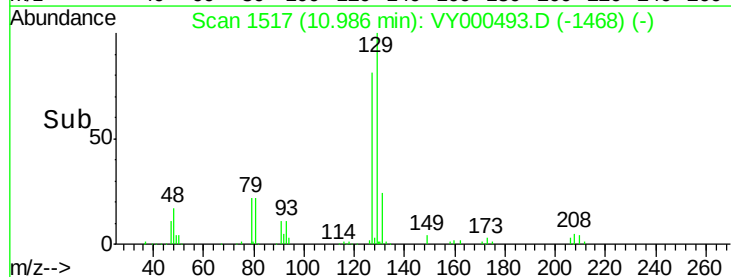
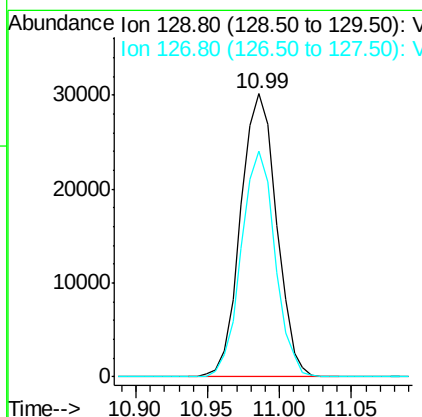
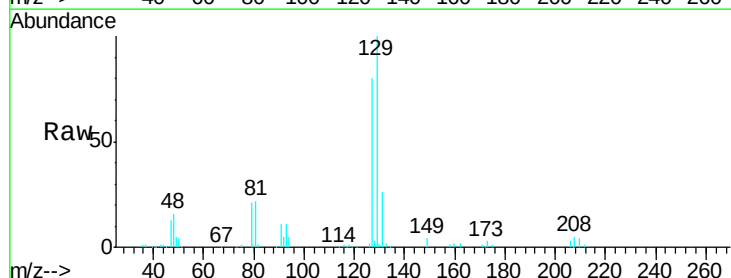
Manual Integrations
APPROVED

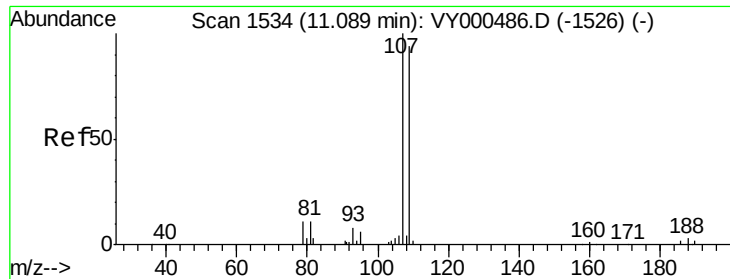
MMDadoda
10/31/2019 11:31:47 AM



#60
Dibromochloromethane
Concen: 20.722 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VY000493.D
Acq: 30 Oct 2019 16:16

Tgt Ion: 129 Resp: 51970
Ion Ratio Lower Upper
129 100
127 75.5 39.1 117.2





#61

1,2-Dibromoethane

Concen: 21.193 ug/l

RT: 11.09 min Scan# 1534

Delta R.T. 0.00 min

Lab File: VY000493.D

Acq: 30 Oct 2019 16:16

Instrument :

MSVOA_Y

ClientSampleId :

VY1030SBS01

Tgt Ion: 107 Resp: 44616

Ion Ratio Lower Upper

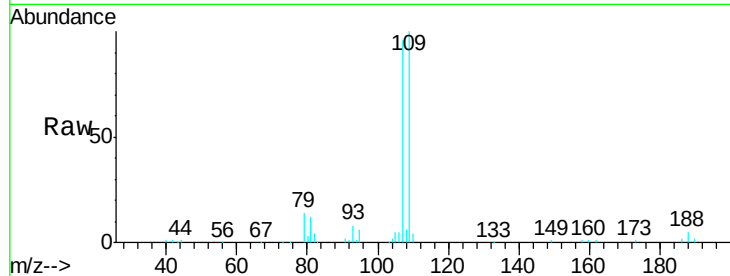
107 100

109 92.7 73.6 110.4

Manual Integrations
APPROVED

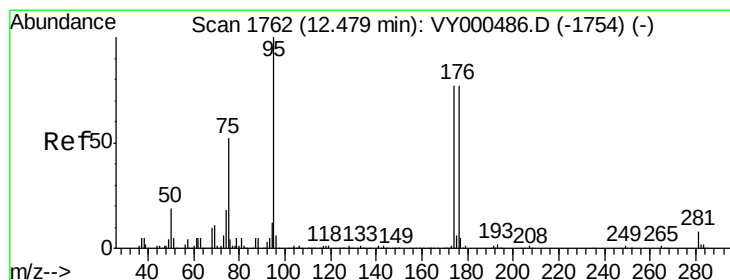
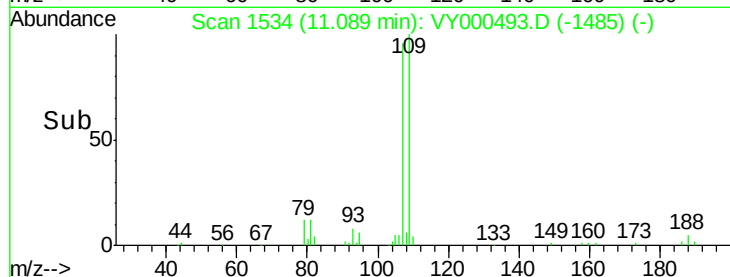
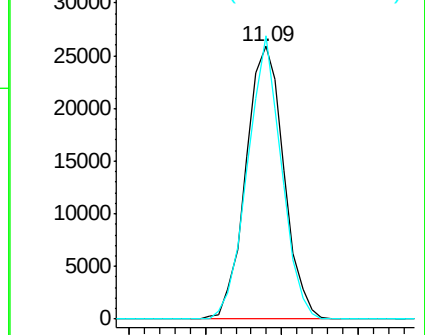
MMDadoda

10/31/2019 11:31:47 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.432 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY000493.D

Acq: 30 Oct 2019 16:16

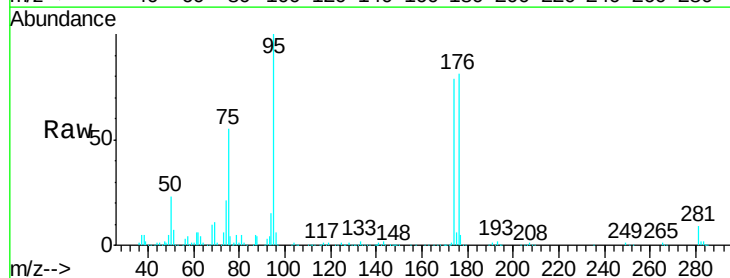
Tgt Ion: 95 Resp: 169158

Ion Ratio Lower Upper

95 100

174 79.8 0.0 161.6

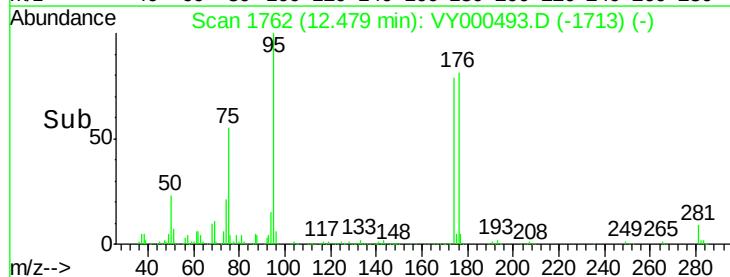
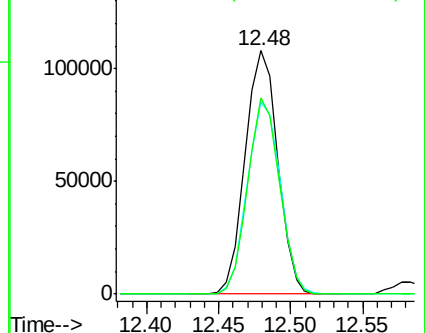
176 78.6 0.0 157.8

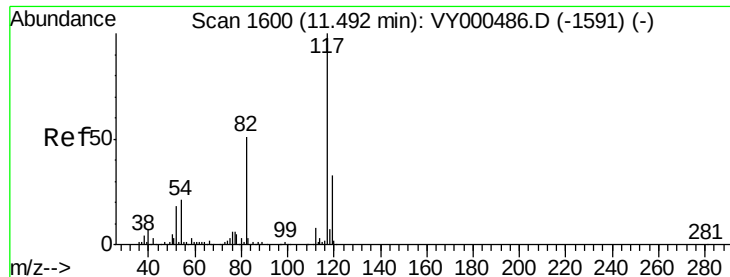


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





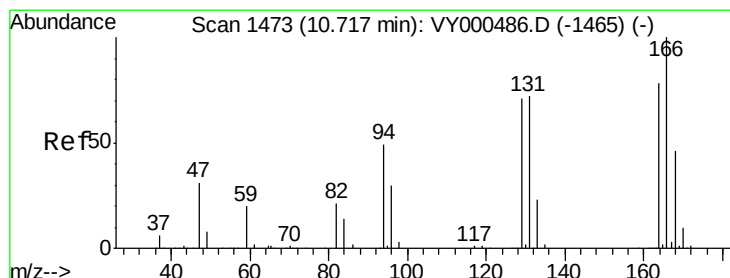
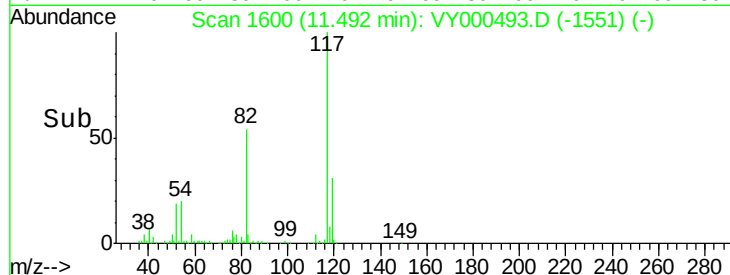
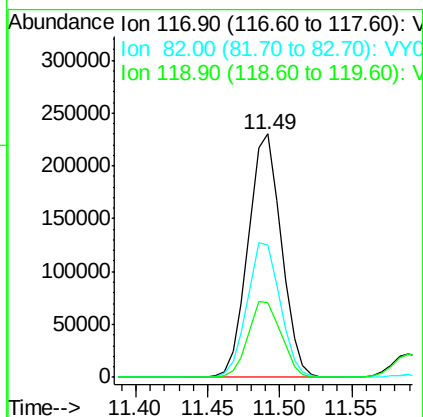
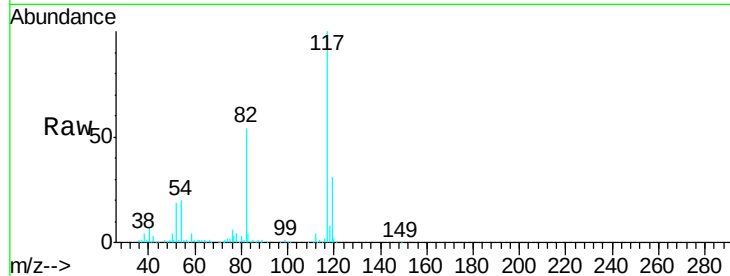
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY000493.D
Acq: 30 Oct 2019 16:16

Instrument :
MSVOA_Y
ClientSampleId :
VY1030SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	366264		
82	54.1	40.8	61.2	
119	30.5	26.2	39.2	

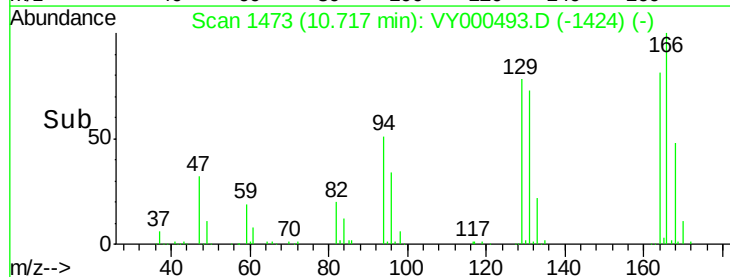
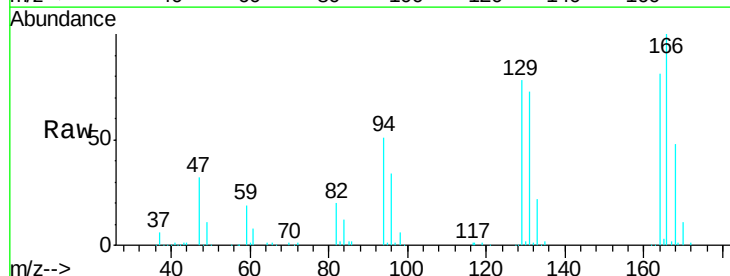
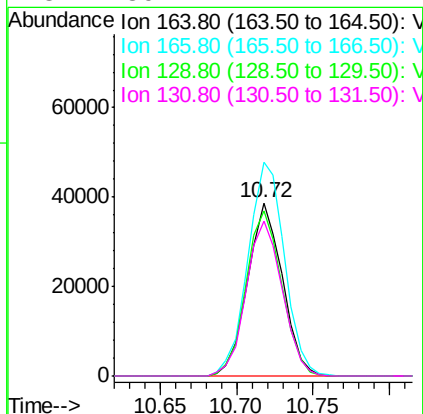
Manual Integrations
APPROVED

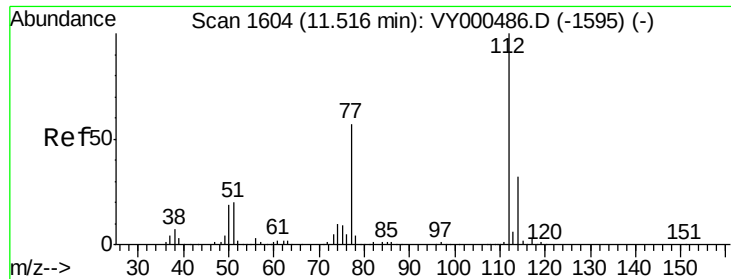
MMDadoda
10/31/2019 11:31:47 AM



#64
Tetrachloroethene
Concen: 20.284 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VY000493.D
Acq: 30 Oct 2019 16:16

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	61430		
166	123.1	102.7	154.1	
129	95.6	73.2	109.8	
131	89.4	74.2	111.2	





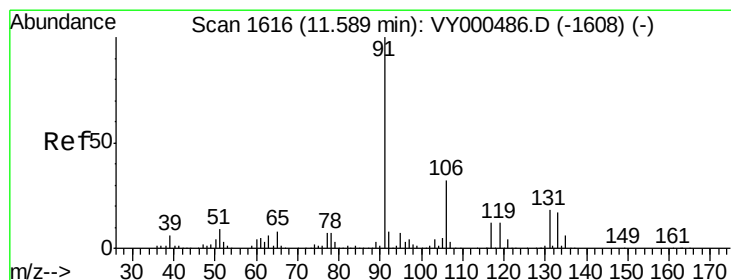
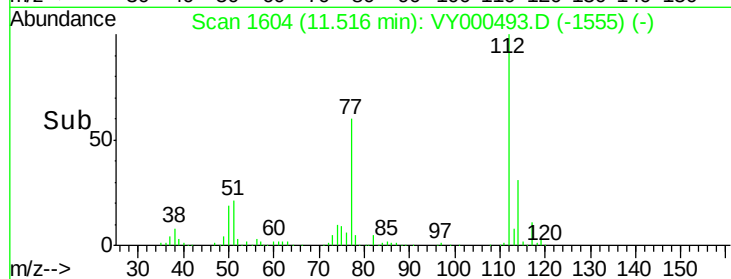
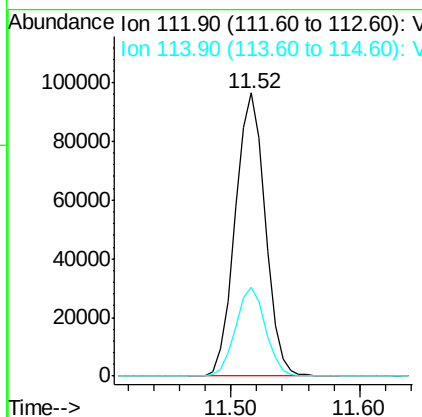
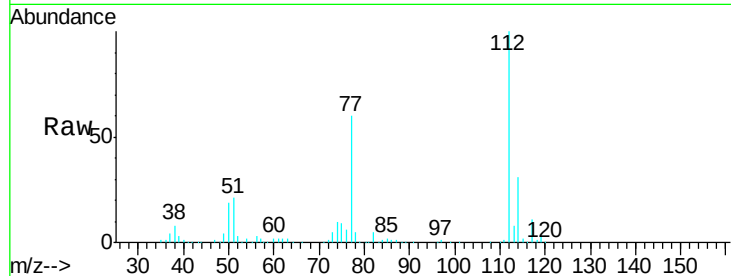
#65
Chlorobenzene
Concen: 20.952 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VY000493.D
Acq: 30 Oct 2019 16:16

Instrument :
MSVOA_Y
ClientSampleId :
VY1030SBS01

Tgt Ion:112 Resp: 155586
Ion Ratio Lower Upper
112 100
114 31.5 25.3 37.9

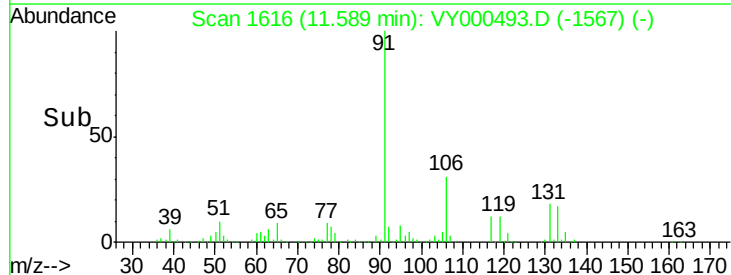
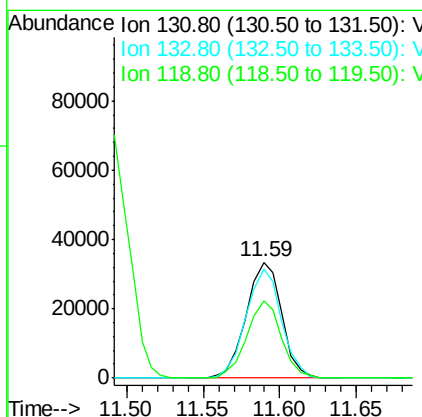
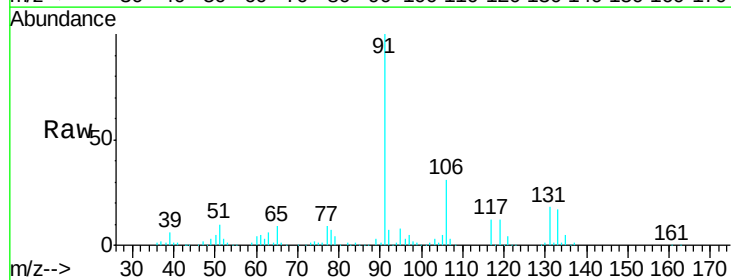
Manual Integrations
APPROVED

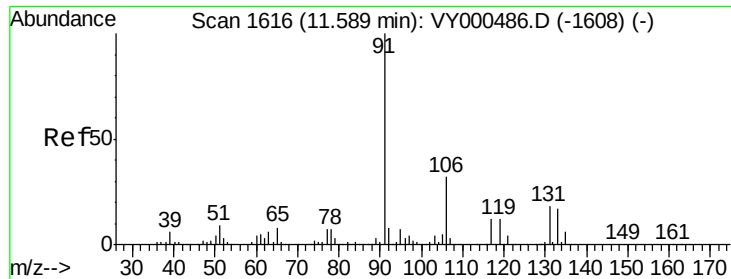
MMDadoda
10/31/2019 11:31:47 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.945 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VY000493.D
Acq: 30 Oct 2019 16:16

Tgt Ion:131 Resp: 53942
Ion Ratio Lower Upper
131 100
133 94.3 47.9 143.8
119 65.0 33.1 99.3





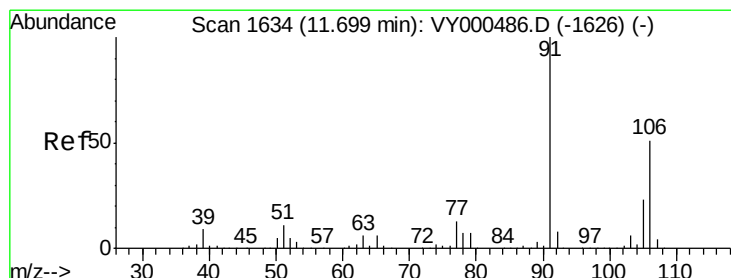
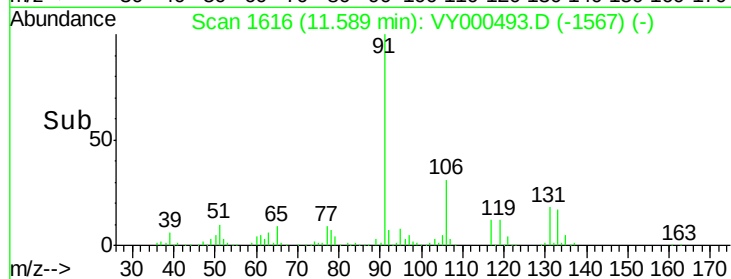
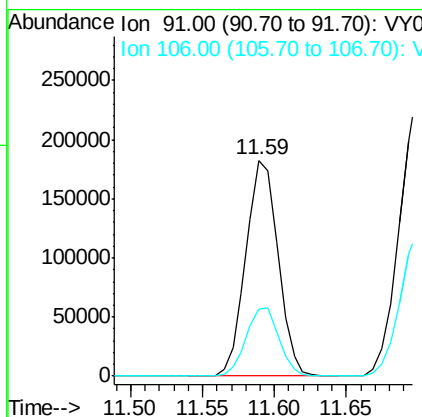
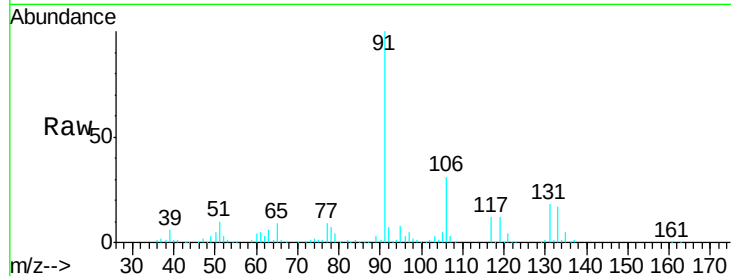
#67
Ethyl Benzene
Concen: 20.707 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VY000493.D
Acq: 30 Oct 2019 16:16

Instrument :
MSVOA_Y
ClientSampleId :
VY1030SBS01

Tgt Ion: 91 Resp: 283004
Ion Ratio Lower Upper
91 100
106 31.0 25.4 38.0

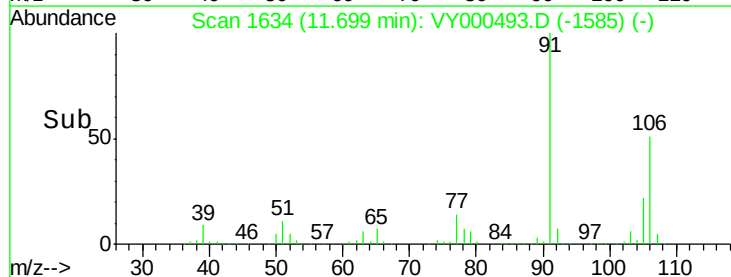
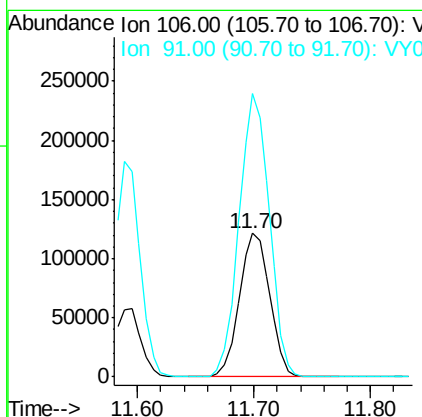
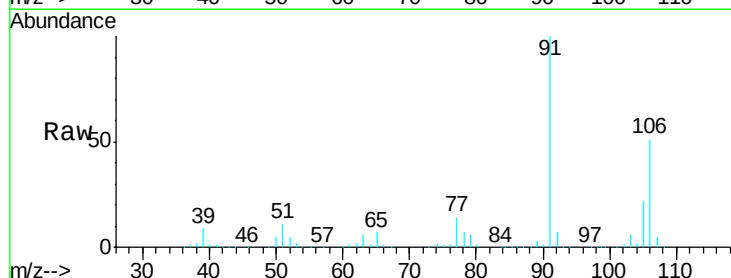
Manual Integrations
APPROVED

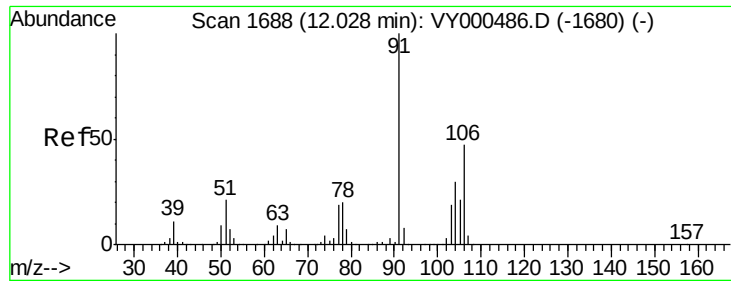
MMDadoda
10/31/2019 11:31:47 AM



#68
m/p-Xylenes
Concen: 41.961 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VY000493.D
Acq: 30 Oct 2019 16:16

Tgt Ion: 106 Resp: 221959
Ion Ratio Lower Upper
106 100
91 195.6 155.9 233.9





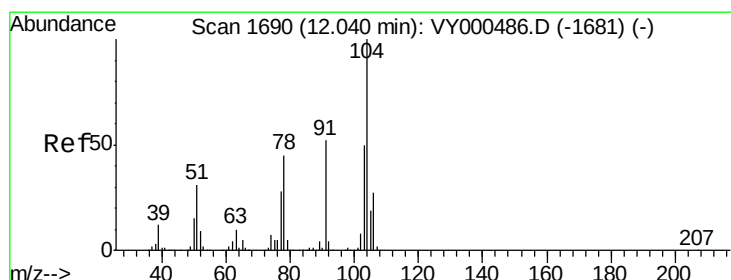
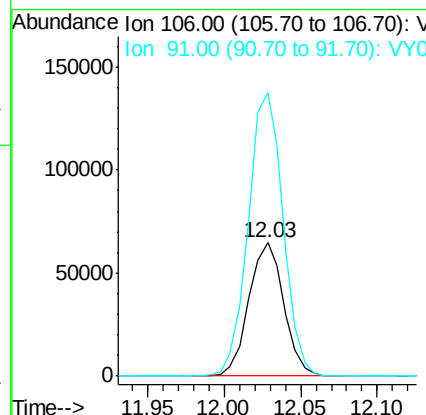
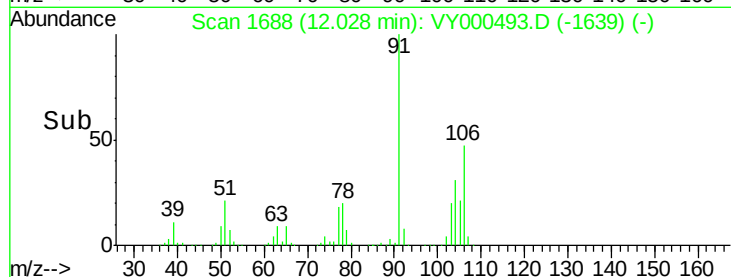
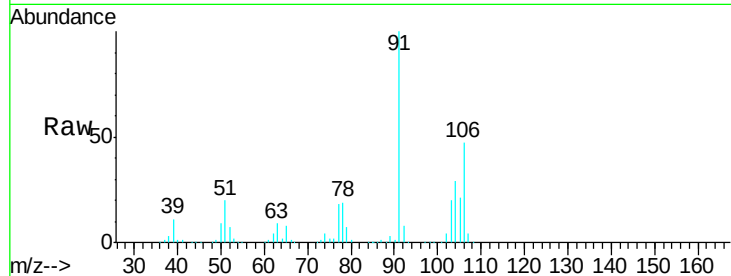
#69
o-Xylene
Concen: 20.629 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VY000493.D
Acq: 30 Oct 2019 16:16

Instrument :
MSVOA_Y
ClientSampleId :
VY1030SBS01

Tgt Ion:106 Resp: 102553
Ion Ratio Lower Upper
106 100
91 211.6 106.5 319.6

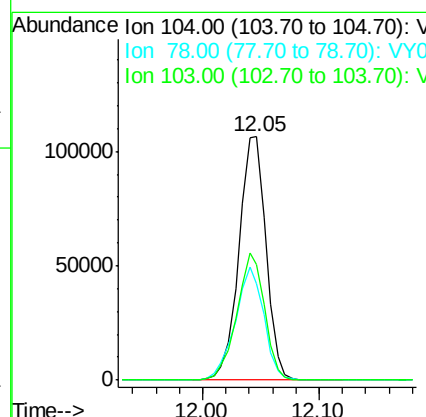
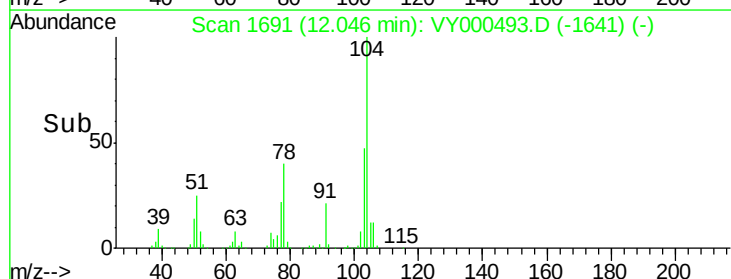
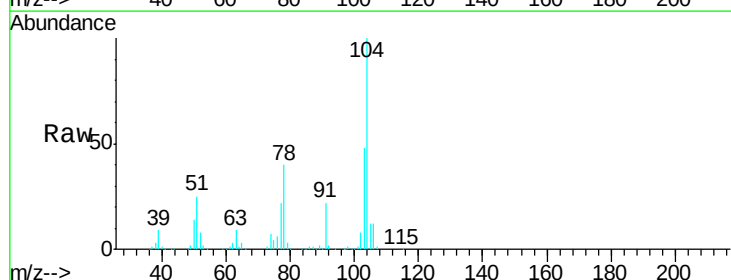
Manual Integrations
APPROVED

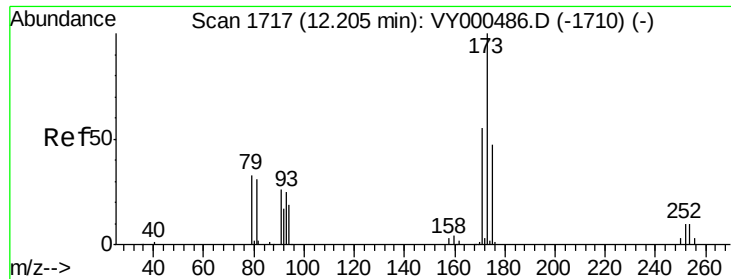
MMDadoda
10/31/2019 11:31:47 AM



#70
Styrene
Concen: 20.295 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. 0.01 min
Lab File: VY000493.D
Acq: 30 Oct 2019 16:16

Tgt Ion:104 Resp: 172765
Ion Ratio Lower Upper
104 100
78 49.1 39.0 58.4
103 53.3 42.5 63.7





#71

Bromoform

Concen: 20.941 ug/l

RT: 12.20 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VY000493.D

Acq: 30 Oct 2019 16:16

Instrument :

MSVOA_Y

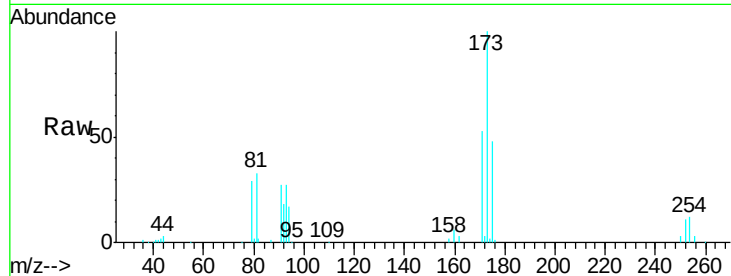
ClientSampleId :

VY1030SBS01

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.2	24.4	73.2
254	0.0	0.1	0.1#

Manual Integrations
APPROVED

MMDadoda
10/31/2019 11:31:47 AM

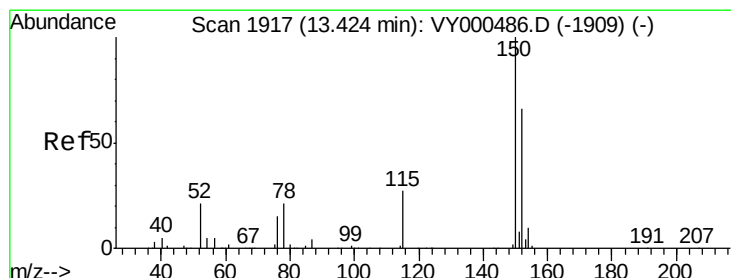
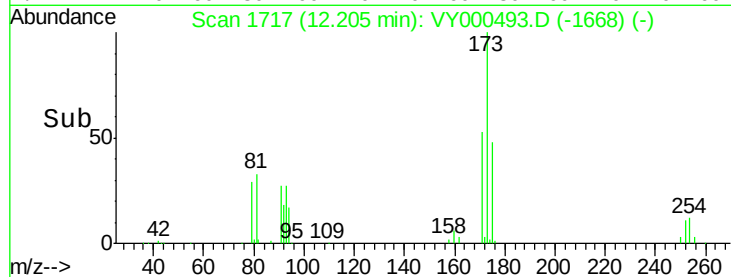
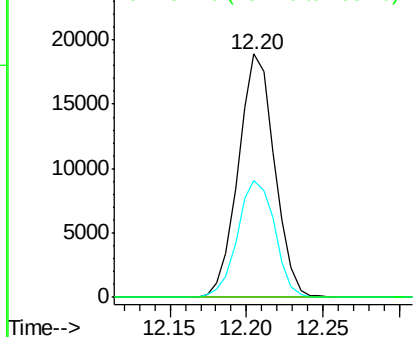


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

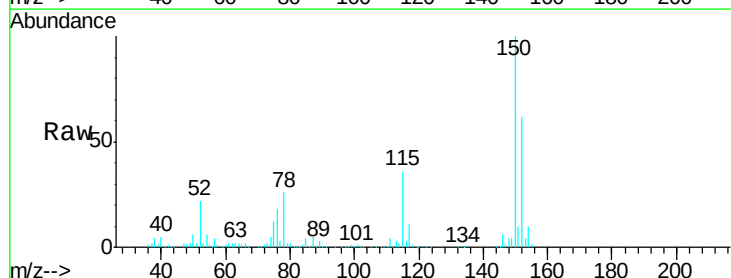
RT: 13.42 min Scan# 1917

Delta R.T. 0.00 min

Lab File: VY000493.D

Acq: 30 Oct 2019 16:16

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.2	29.1	87.4
150	167.2	0.0	348.8

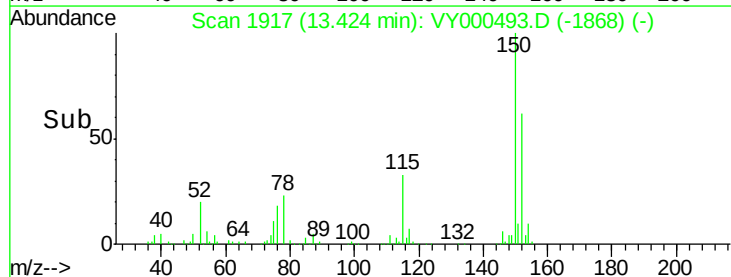
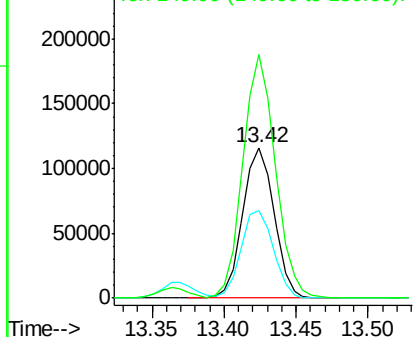


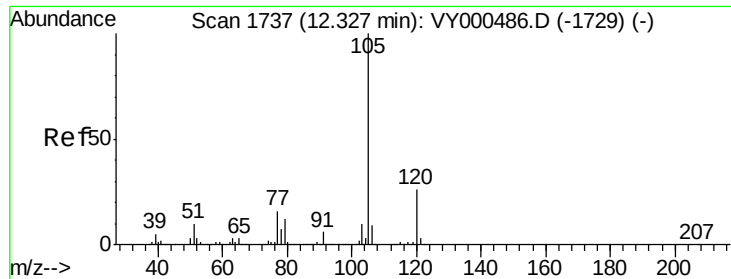
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.159 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VY000493.D

Acq: 30 Oct 2019 16:16

Instrument :

MSVOA_Y

ClientSampleId :

VY1030SBS01

Tgt Ion: 105 Resp: 273663

Ion Ratio Lower Upper

105 100

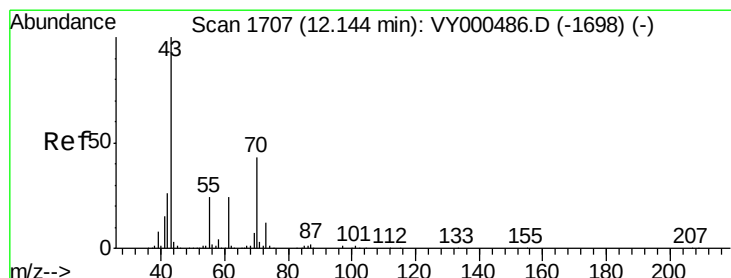
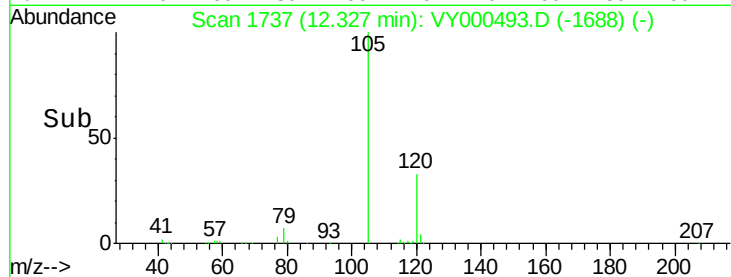
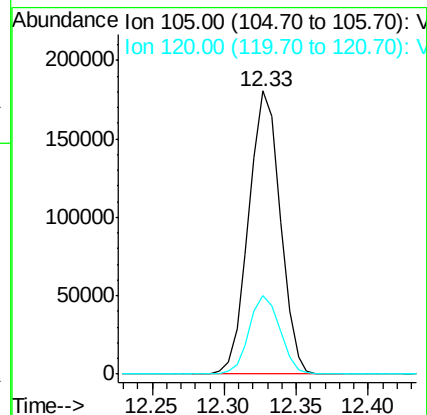
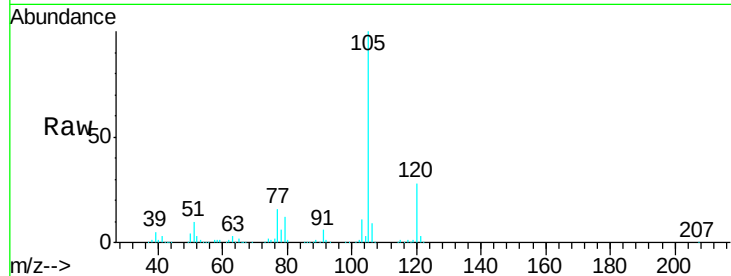
120 27.4 13.5 40.4

Manual Integrations

APPROVED

MMDadoda

10/31/2019 11:31:47 AM



#74

N-ethyl acetate

Concen: 21.678 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VY000493.D

Acq: 30 Oct 2019 16:16

Tgt Ion: 43 Resp: 80299

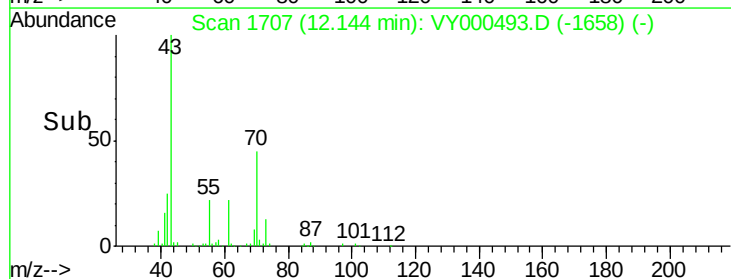
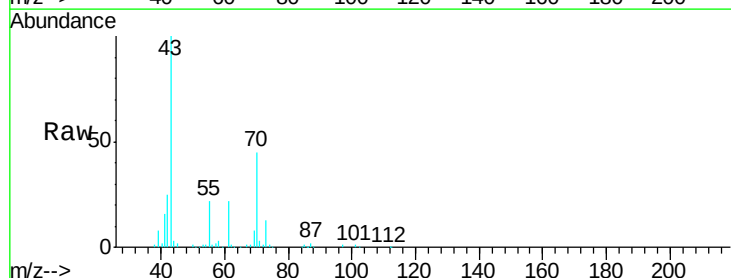
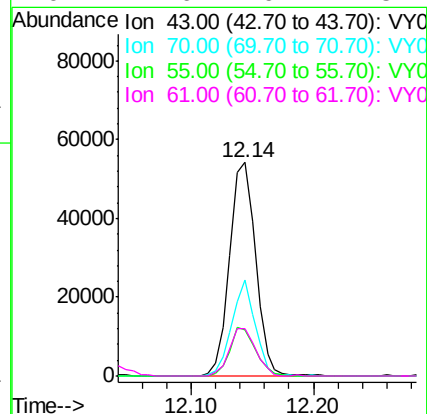
Ion Ratio Lower Upper

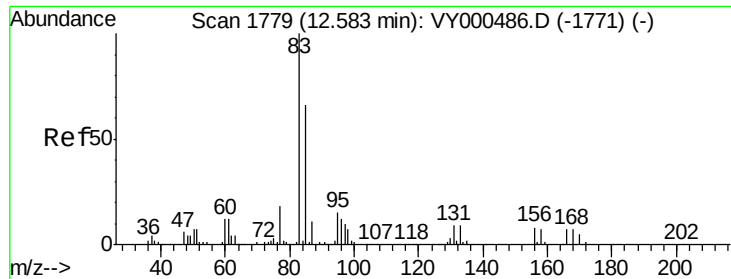
43 100

70 40.0 33.1 49.7

55 22.5 18.0 27.0

61 22.6 19.1 28.7





#75

1,1,2,2-Tetrachloroethane

Concen: 21.478 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VY000493.D

Acq: 30 Oct 2019 16:16

Instrument :

MSVOA_Y

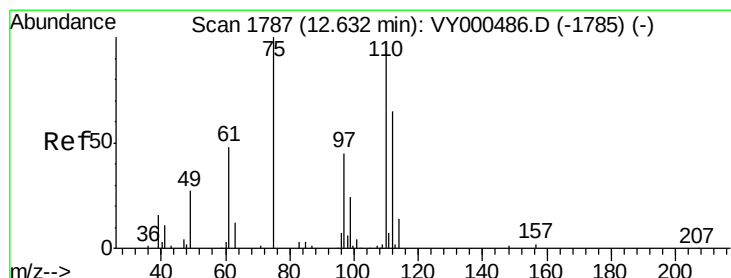
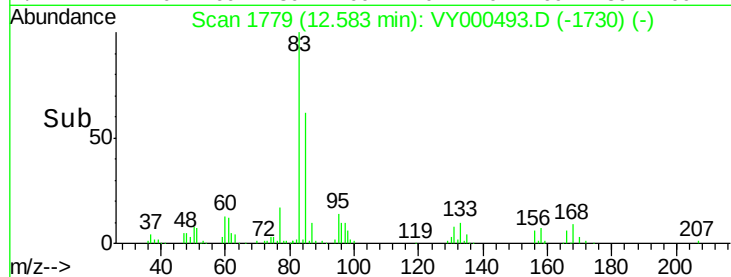
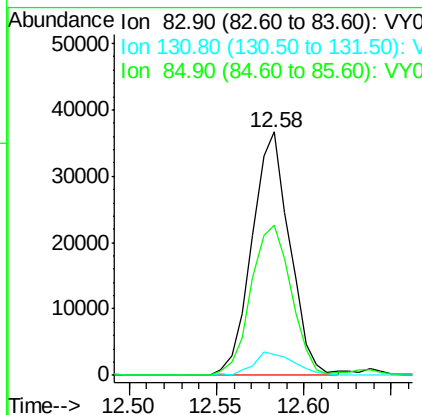
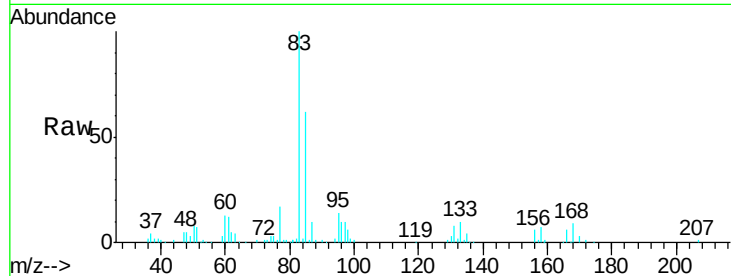
ClientSampleId :

VY1030SBS01

Tgt Ion:	83	Resp:	55002
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.0	14.9
85	65.6	32.3	96.9

Manual Integrations
APPROVED

MMDadoda
10/31/2019 11:31:47 AM



#76

1,2,3-Trichloropropane

Concen: 19.900 ug/l m

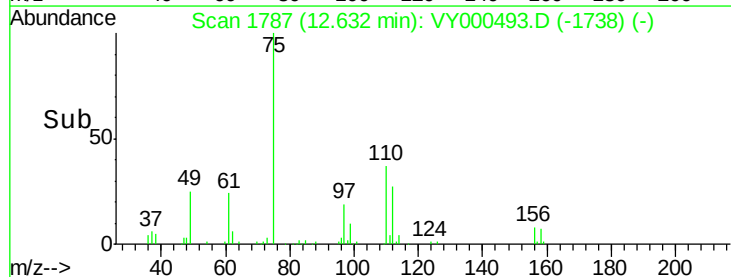
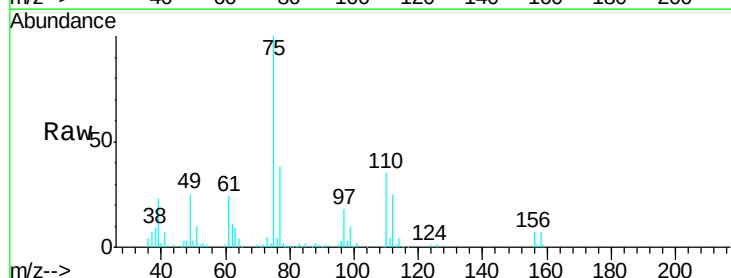
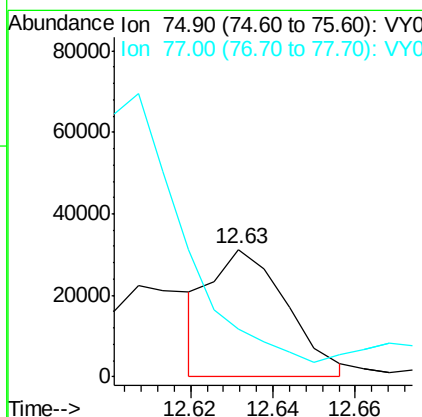
RT: 12.63 min Scan# 1787

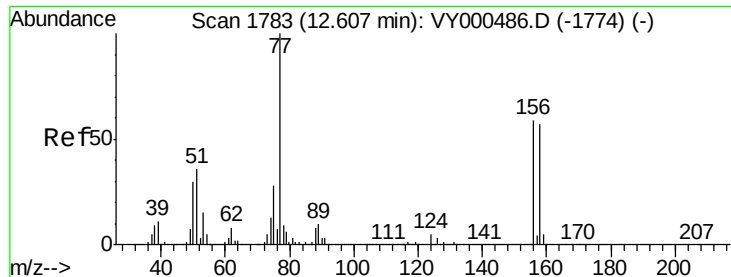
Delta R.T. 0.00 min

Lab File: VY000493.D

Acq: 30 Oct 2019 16:16

Tgt Ion:	75	Resp:	39652
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.432 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VY000493.D

Acq: 30 Oct 2019 16:16

Instrument :

MSVOA_Y

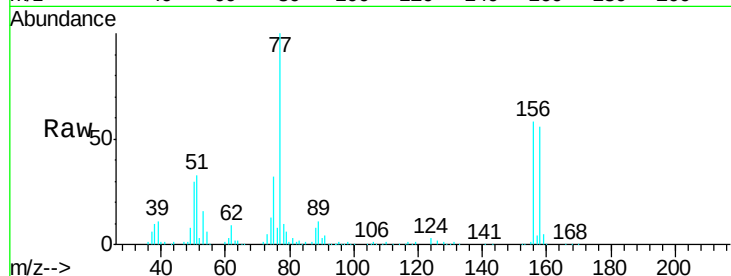
ClientSampleId :

VY1030SBS01

Tgt Ion	Ratio	Lower	Upper
156	100		
77	192.9	98.2	294.4
158	96.5	49.6	149.0

Manual Integrations
APPROVED

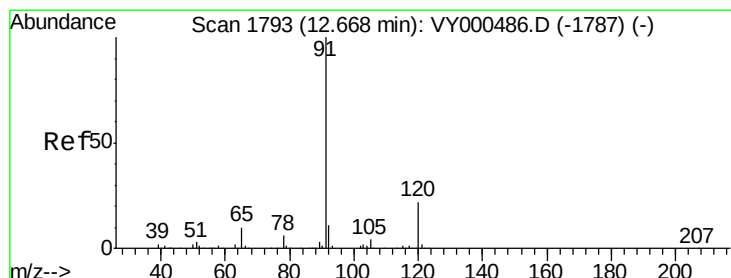
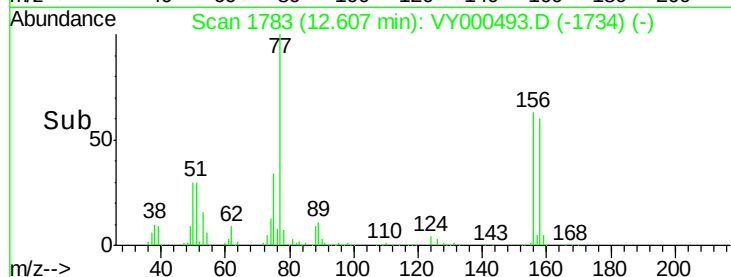
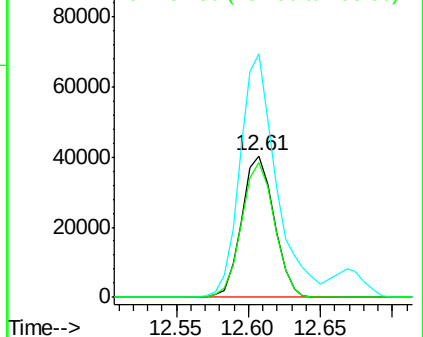
MMDadoda
10/31/2019 11:31:47 AM



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: 21.458 ug/l

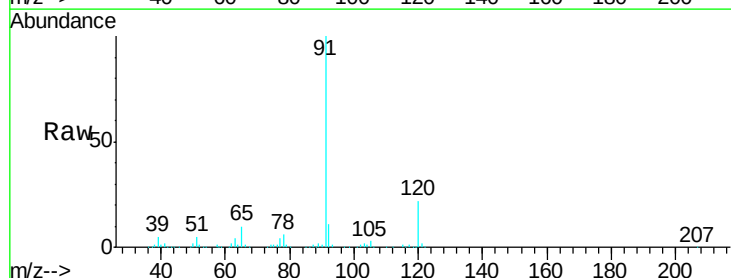
RT: 12.67 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VY000493.D

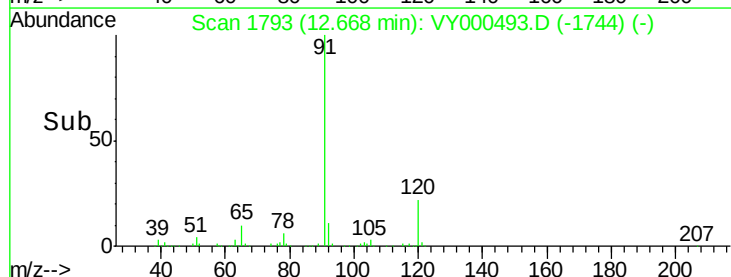
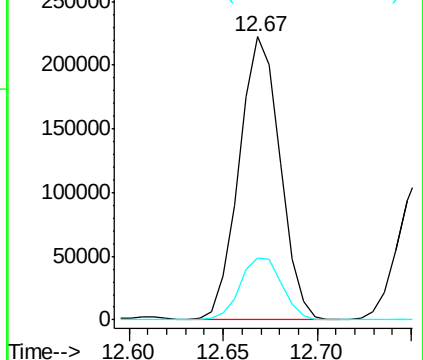
Acq: 30 Oct 2019 16:16

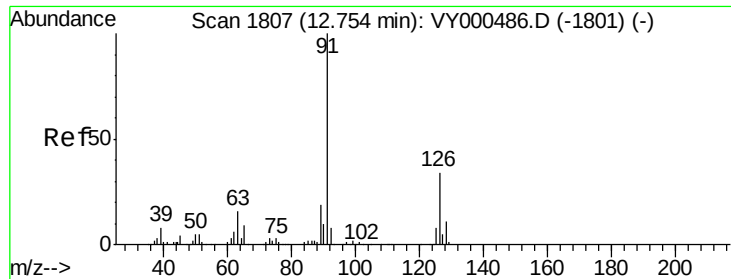
Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.7	11.4	34.1



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.820 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VY000493.D

Acq: 30 Oct 2019 16:16

Instrument :

MSVOA_Y

ClientSampleId :

VY1030SBS01

Tgt Ion: 91 Resp: 180374

Ion Ratio Lower Upper

91 100

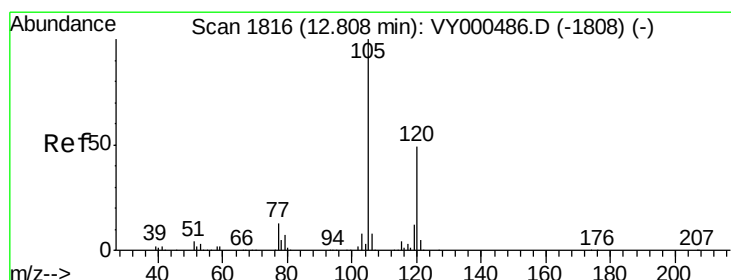
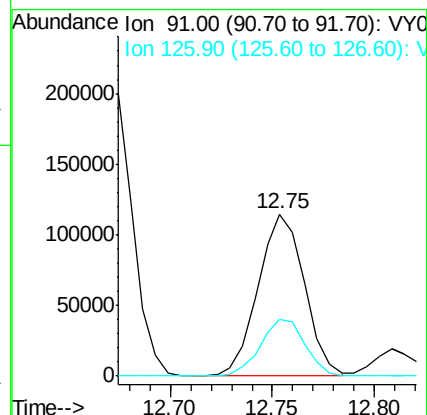
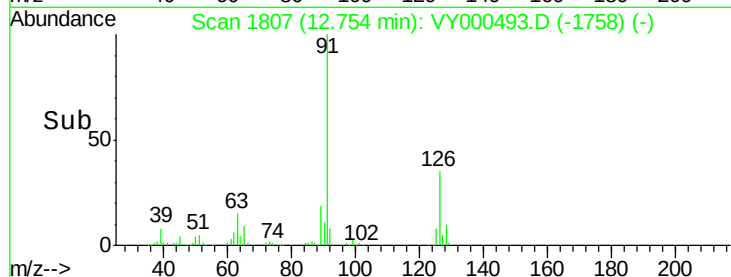
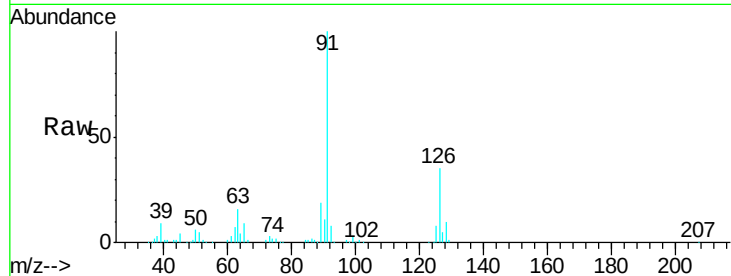
126 34.2 17.7 53.1

Manual Integrations

APPROVED

MMDadoda

10/31/2019 11:31:47 AM



#80

1,3,5-Trimethylbenzene

Concen: 21.697 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. 0.00 min

Lab File: VY000493.D

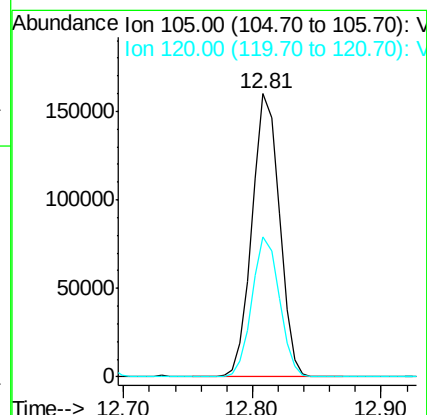
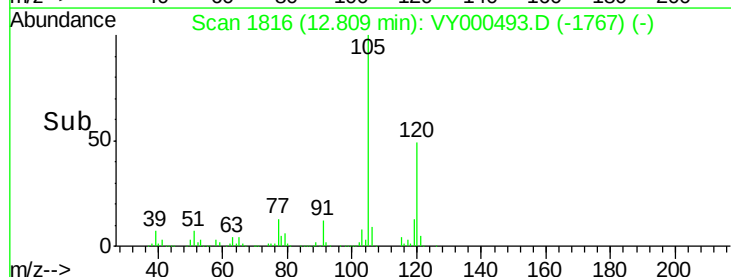
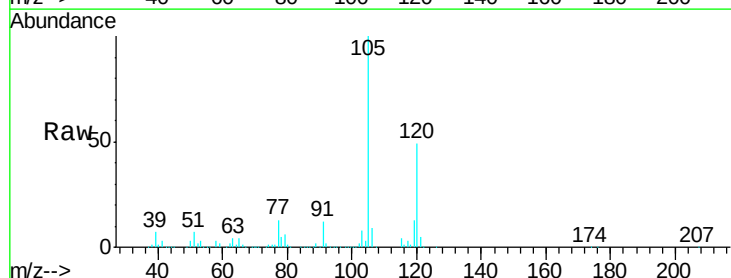
Acq: 30 Oct 2019 16:16

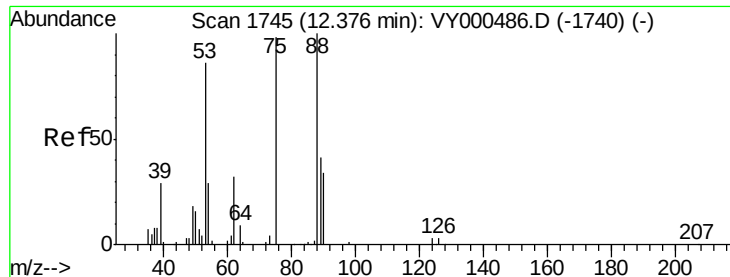
Tgt Ion: 105 Resp: 233711

Ion Ratio Lower Upper

105 100

120 49.4 24.9 74.8





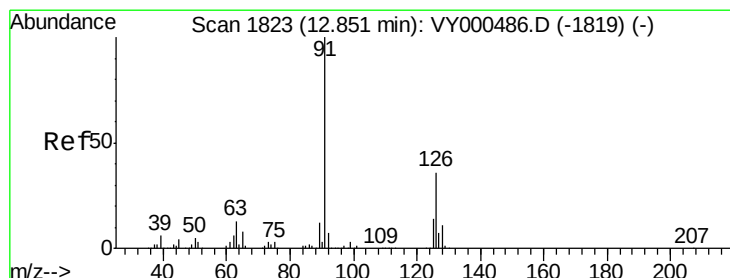
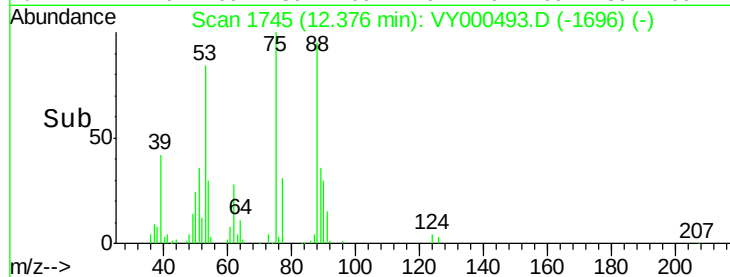
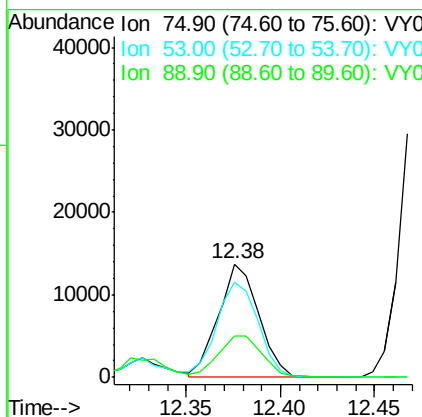
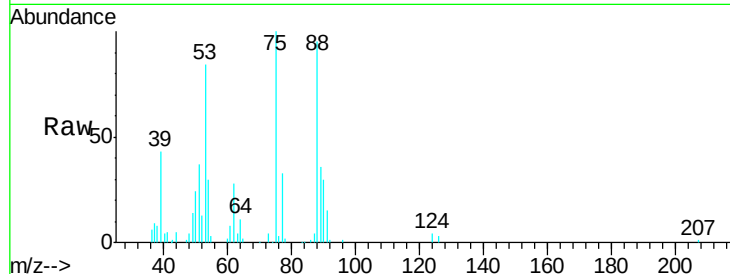
#81
trans-1,4-Dichloro-2-butene
Concen: 22.847 ug/l
RT: 12.38 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VY000493.D
Acq: 30 Oct 2019 16:16

Instrument :
MSVOA_Y
ClientSampleId :
VY1030SBS01

Tgt Ion	Ratio	Lower	Upper
75	100		
53	86.7	73.2	109.8
89	40.5	35.9	53.9

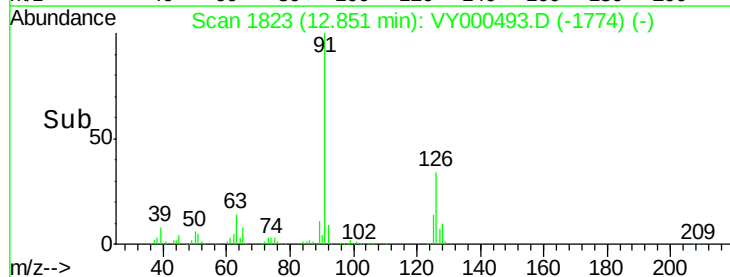
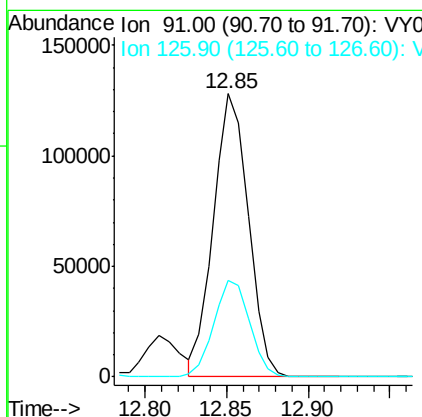
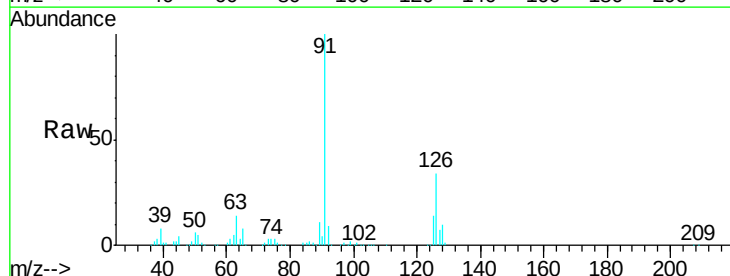
Manual Integrations
APPROVED

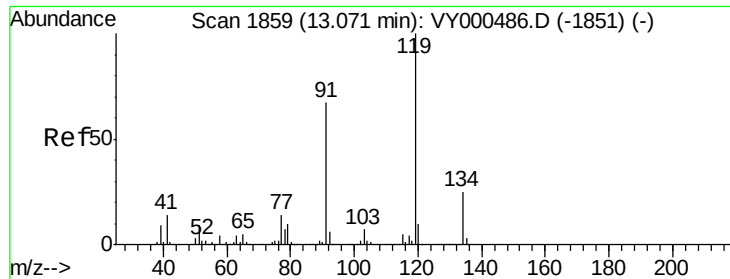
MMDadoda
10/31/2019 11:31:47 AM



#82
4-Chlorotoluene
Concen: 21.372 ug/l
RT: 12.85 min Scan# 1823
Delta R.T. 0.00 min
Lab File: VY000493.D
Acq: 30 Oct 2019 16:16

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.0	17.6	52.9





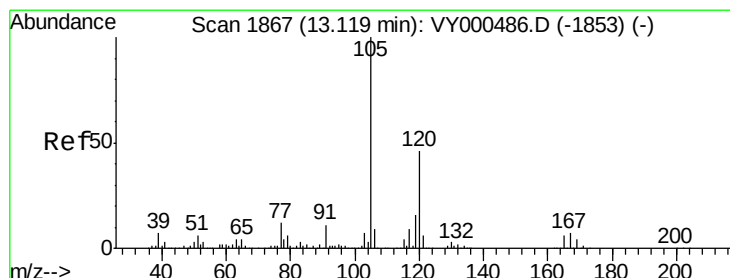
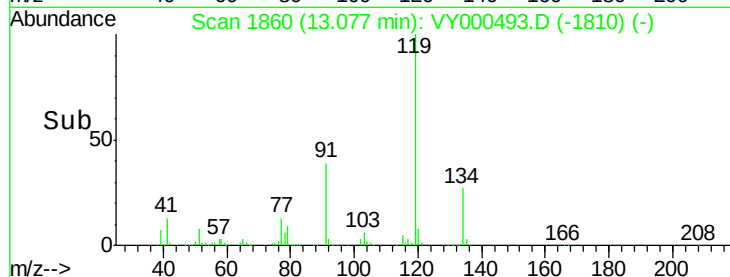
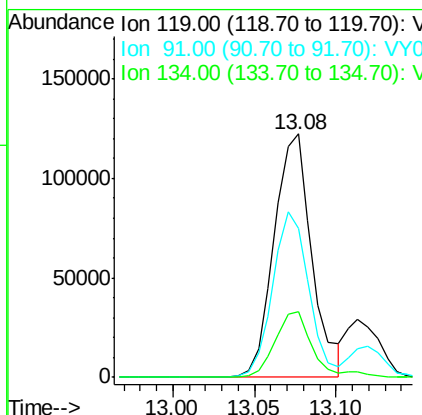
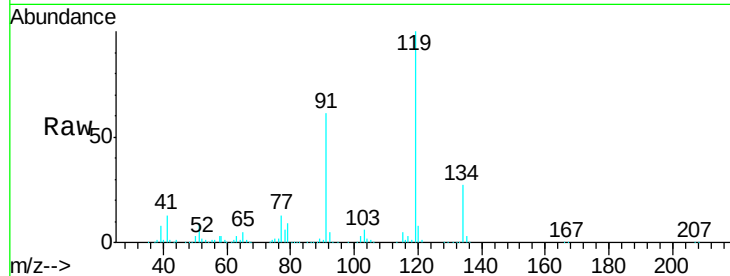
#83
 tert-Butylbenzene
 Concen: 21.409 ug/l
 RT: 13.08 min Scan# 1860
 Delta R.T. 0.01 min
 Lab File: VY000493.D
 Acq: 30 Oct 2019 16:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1030SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	196905		
91	65.0	32.1	96.3	
134	26.9	13.2	39.5	

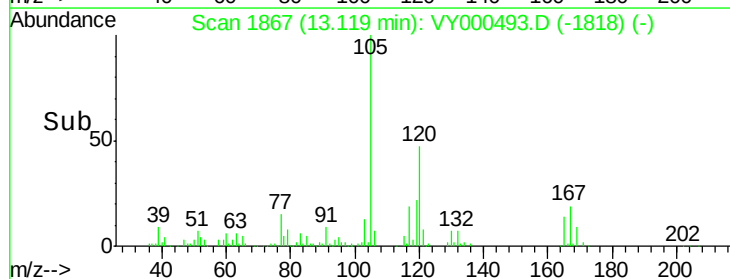
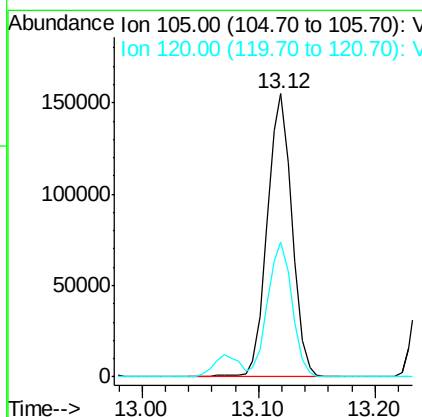
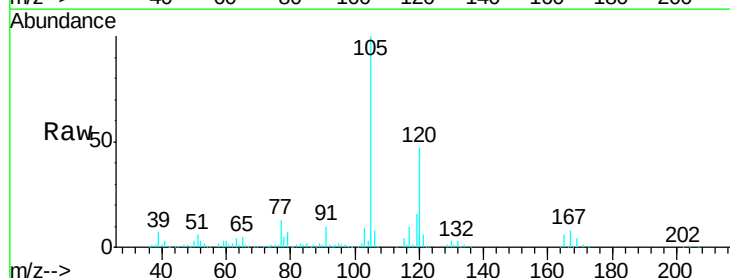
Manual Integrations
 APPROVED

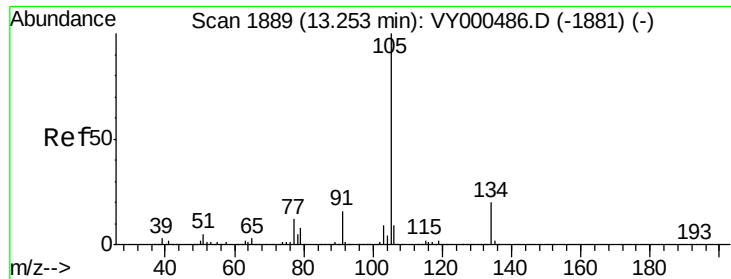
MMDadoda
 10/31/2019 11:31:47 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 21.327 ug/l
 RT: 13.12 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VY000493.D
 Acq: 30 Oct 2019 16:16

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	228731		
120	47.1	23.3	69.9	





#85

sec-Butylbenzene

Concen: 21.511 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. 0.00 min

Lab File: VY000493.D

Acq: 30 Oct 2019 16:16

Instrument :

MSVOA_Y

ClientSampleId :

VY1030SBS01

Tgt Ion:105 Resp: 281871

Ion Ratio Lower Upper

105 100

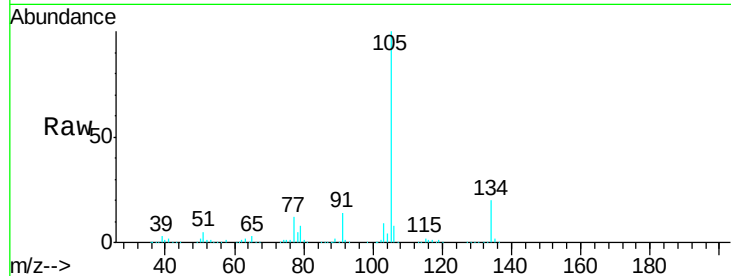
134 20.0 10.1 30.1

Manual Integrations

APPROVED

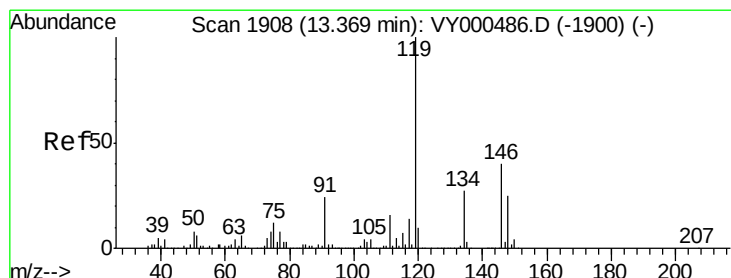
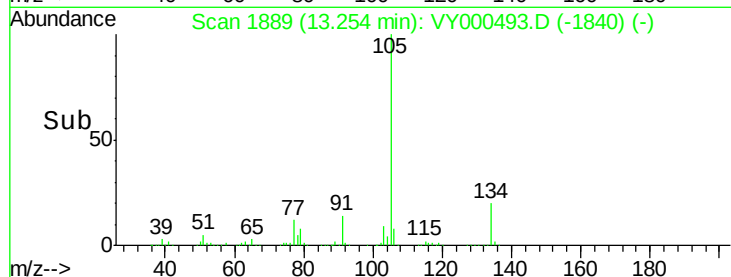
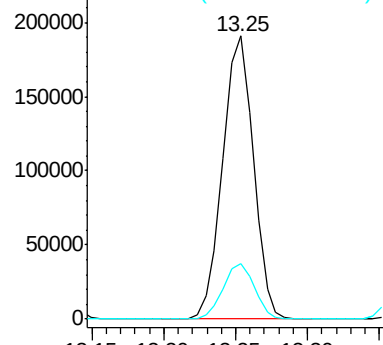
MMDadoda

10/31/2019 11:31:47 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.129 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. 0.00 min

Lab File: VY000493.D

Acq: 30 Oct 2019 16:16

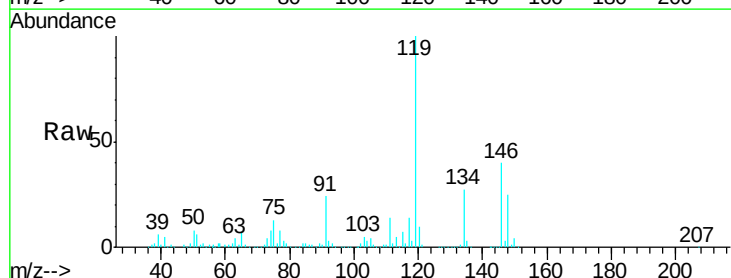
Tgt Ion:119 Resp: 246750

Ion Ratio Lower Upper

119 100

134 27.1 13.6 40.8

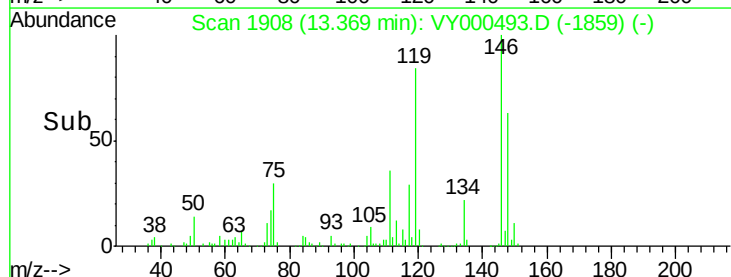
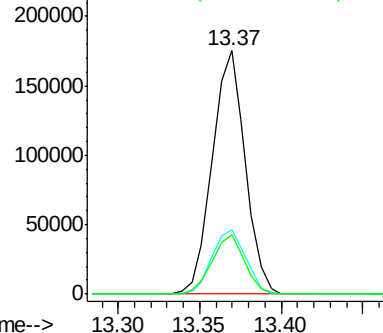
91 24.0 12.0 36.1

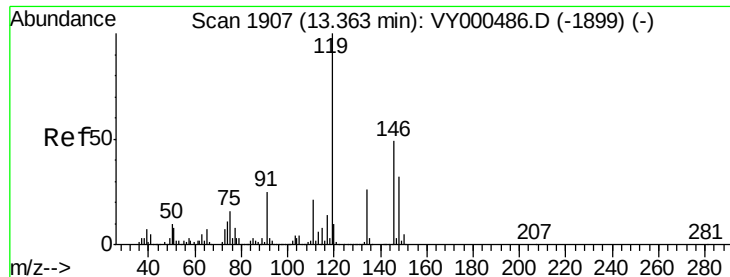


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0





#87

1,3-Dichlorobenzene

Concen: 21.382 ug/l

RT: 13.36 min Scan# 1907

Delta R.T. 0.00 min

Lab File: VY000493.D

Acq: 30 Oct 2019 16:16

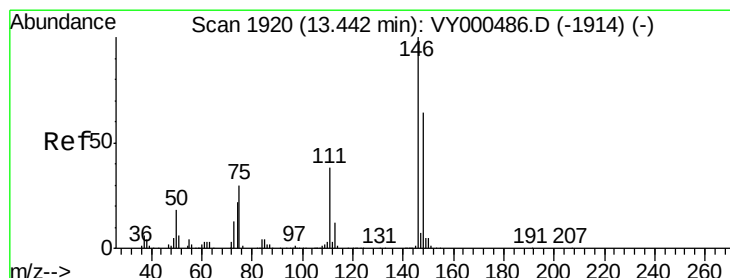
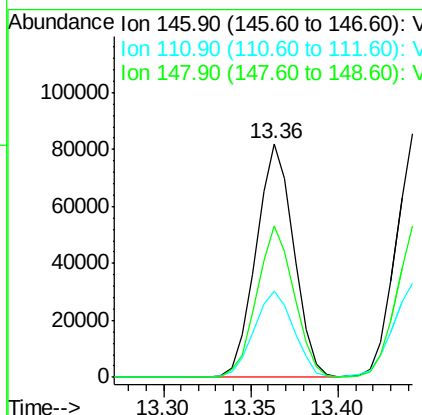
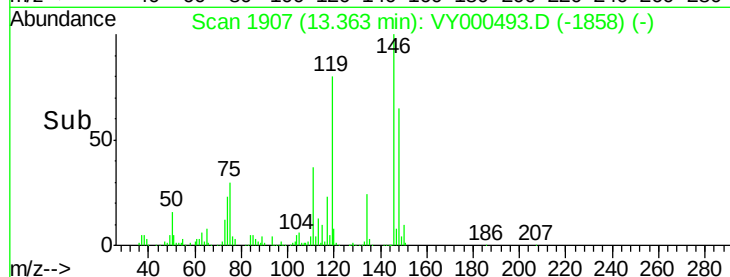
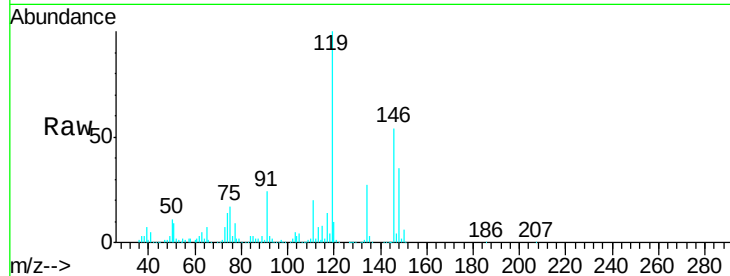
Instrument :
MSVOA_Y

ClientSampleId :
VY1030SBS01

Tgt Ion	Ratio	Resp Lower	Resp Upper
146	100		
111	38.9	20.3	60.8
148	64.0	31.5	94.5

Manual Integrations
APPROVED

MMDadoda
10/31/2019 11:31:47 AM



#88

1,4-Dichlorobenzene

Concen: 22.151 ug/l

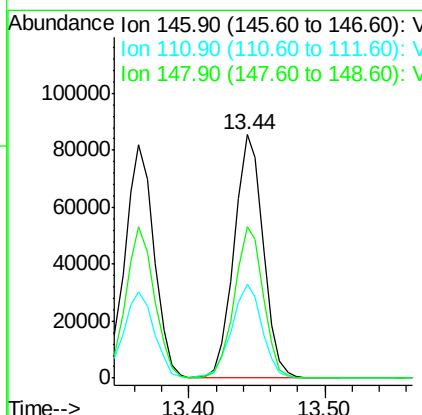
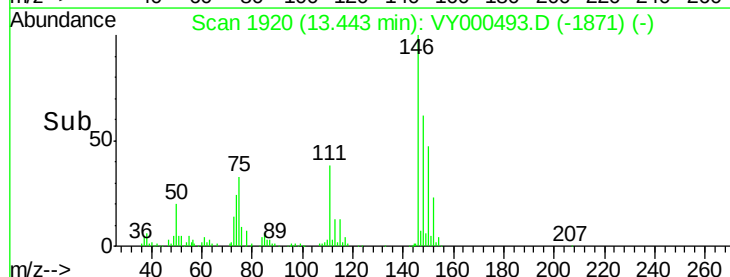
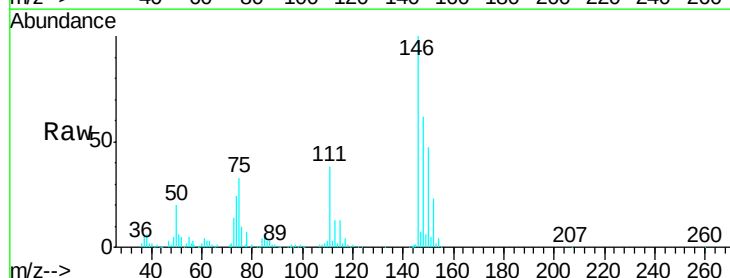
RT: 13.44 min Scan# 1920

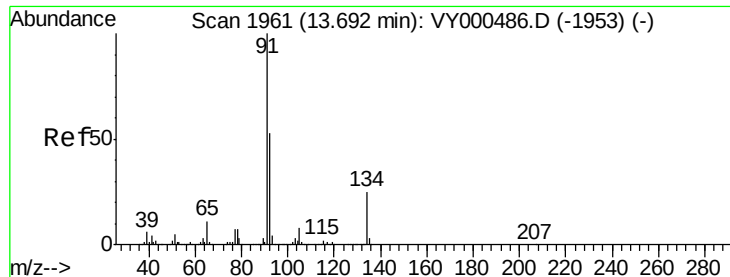
Delta R.T. 0.00 min

Lab File: VY000493.D

Acq: 30 Oct 2019 16:16

Tgt Ion	Ratio	Resp Lower	Resp Upper
146	100		
111	40.3	19.7	59.0
148	61.6	31.9	95.7





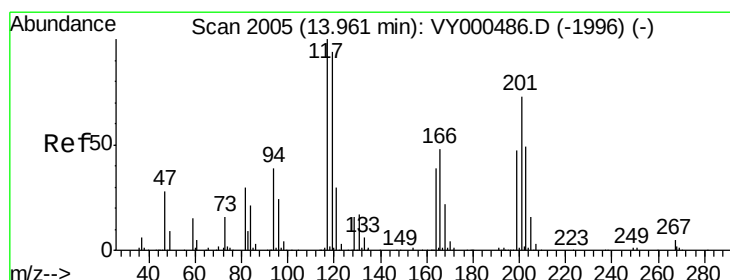
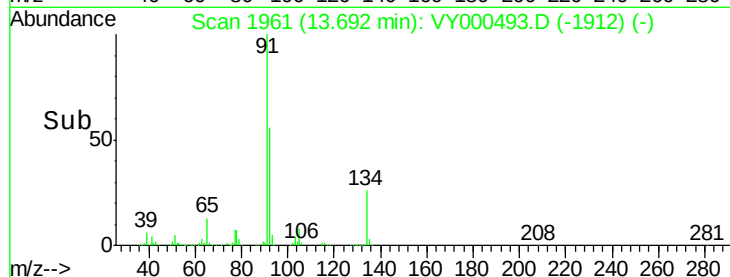
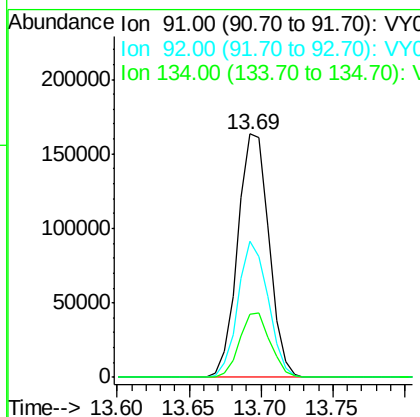
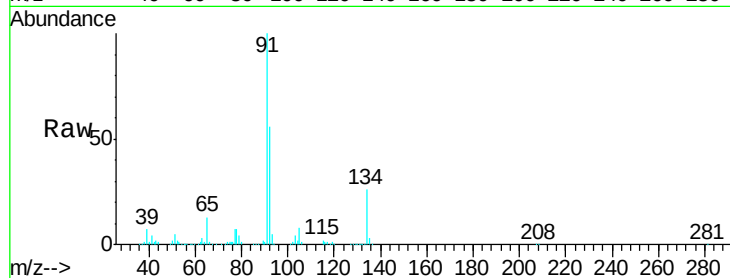
#89
n-Butylbenzene
Concen: 21.399 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. 0.00 min
Lab File: VY000493.D
Acq: 30 Oct 2019 16:16

Instrument :
MSVOA_Y
ClientSampleId :
VY1030SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	246485		
92	54.1	26.8	80.3	
134	25.7	12.9	38.7	

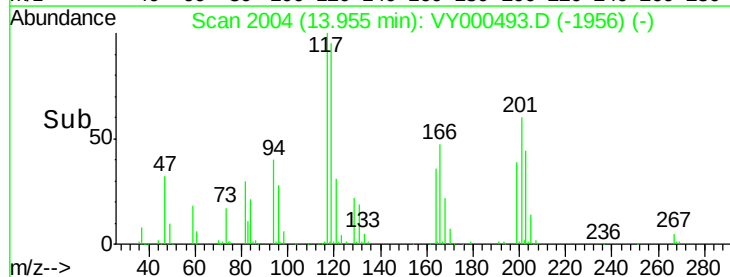
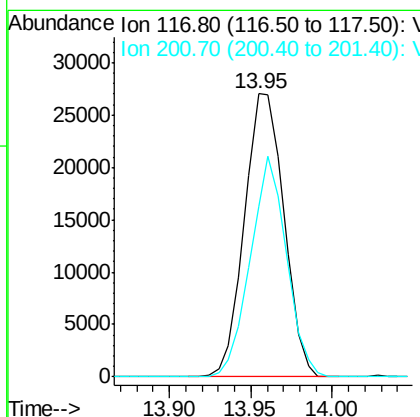
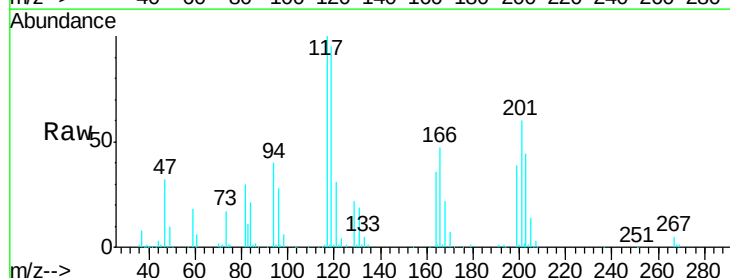
Manual Integrations
APPROVED

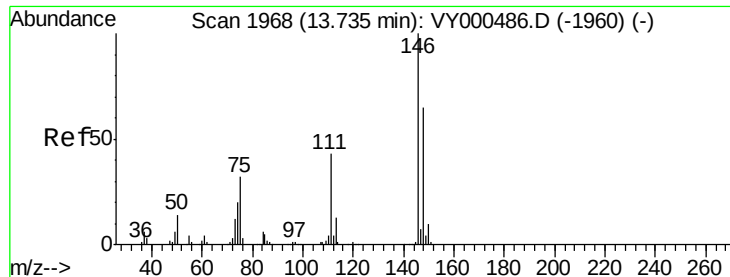
MMDadoda
10/31/2019 11:31:47 AM



#90
Hexachloroethane
Concen: 21.115 ug/l
RT: 13.95 min Scan# 2004
Delta R.T. -0.01 min
Lab File: VY000493.D
Acq: 30 Oct 2019 16:16

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	45588		
201	71.3	35.8	107.3	





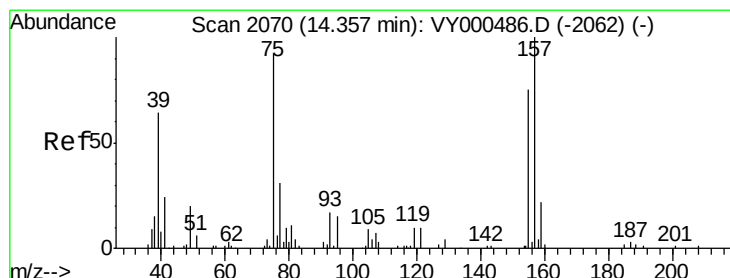
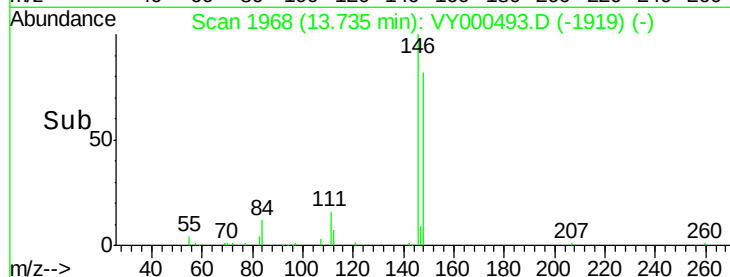
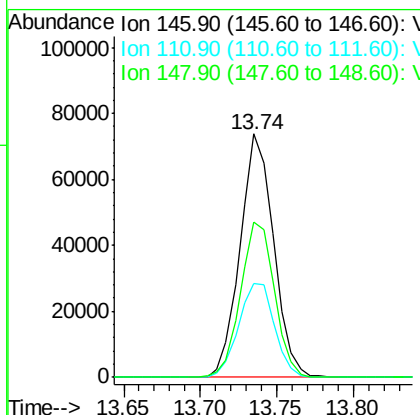
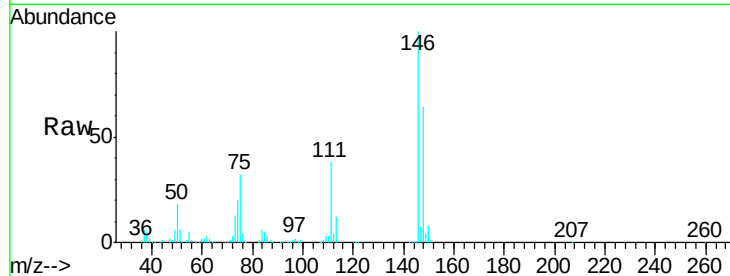
#91
 1,2-Dichlorobenzene
 Concen: 21.531 ug/l
 RT: 13.74 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VY000493.D
 Acq: 30 Oct 2019 16:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1030SBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.5	61.5
148	64.5	31.7	95.1

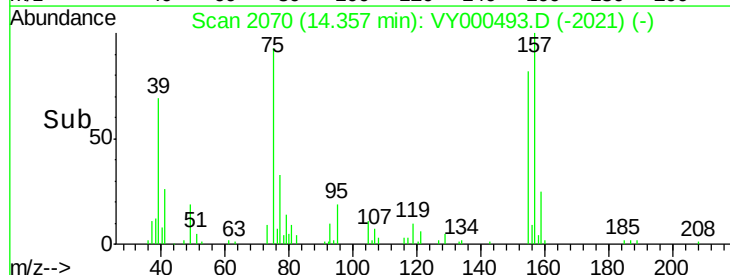
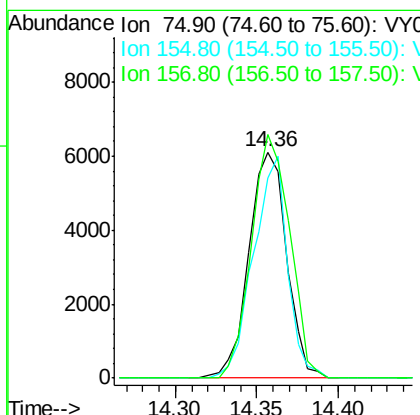
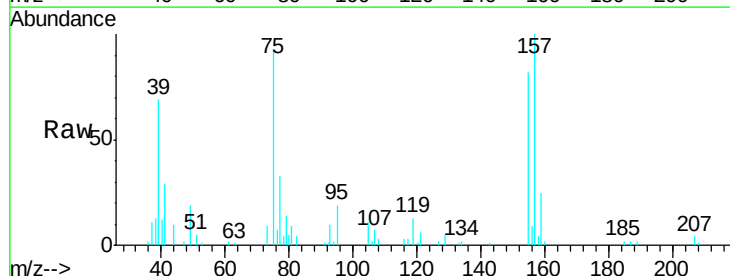
Manual Integrations
 APPROVED

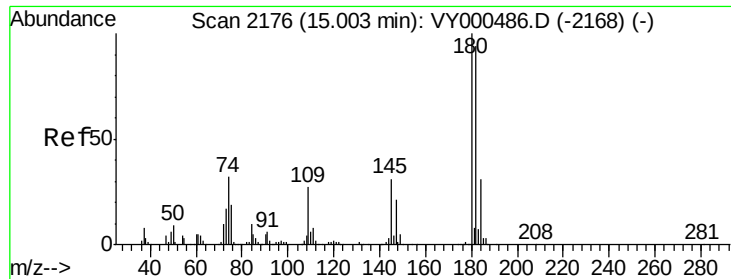
MMDadoda
 10/31/2019 11:31:47 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.787 ug/l
 RT: 14.36 min Scan# 2070
 Delta R.T. 0.00 min
 Lab File: VY000493.D
 Acq: 30 Oct 2019 16:16

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.3	42.4	127.1
157	109.2	55.1	165.3





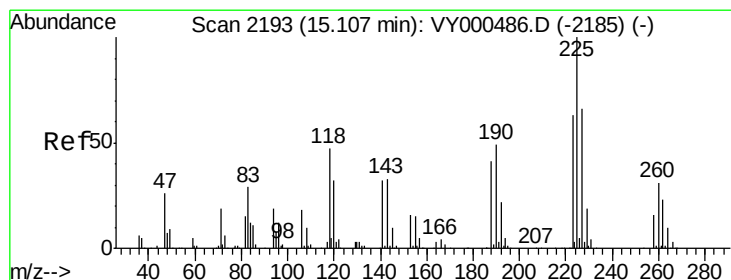
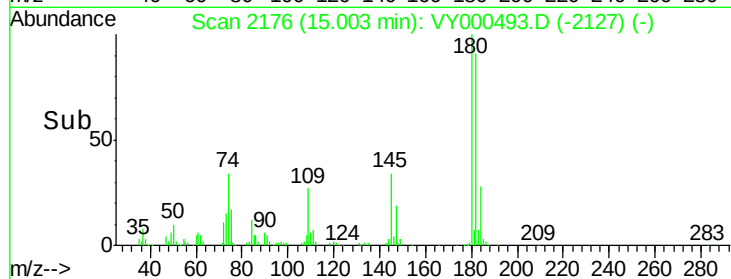
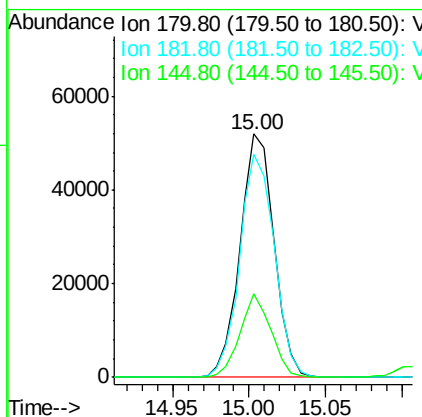
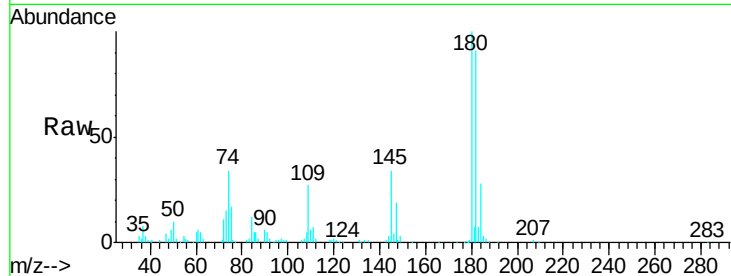
#93
 1,2,4-Trichlorobenzene
 Concen: 22.621 ug/l
 RT: 15.00 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VY000493.D
 Acq: 30 Oct 2019 16:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1030SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	80281		
182	93.4	47.8	143.4	
145	31.0	16.0	47.9	

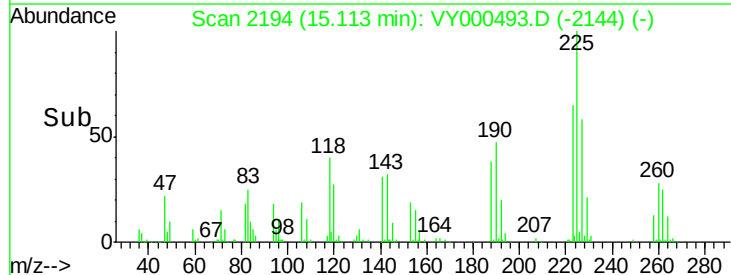
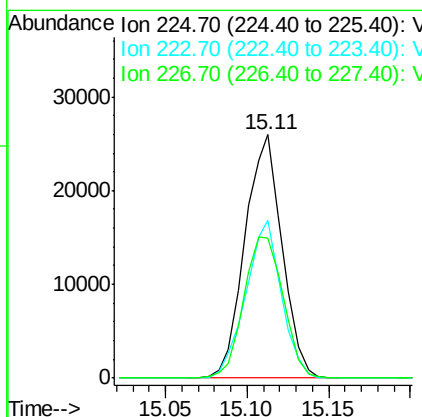
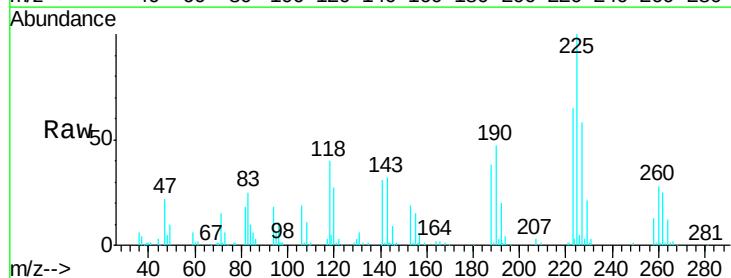
Manual Integrations
 APPROVED

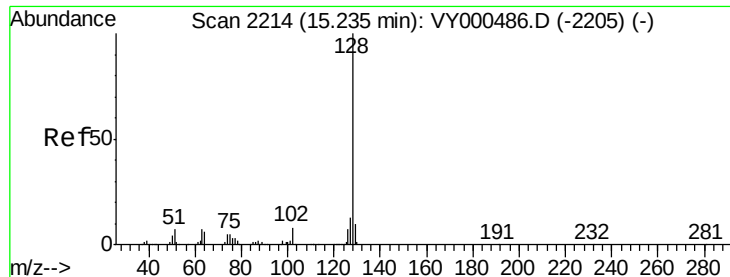
MMDadoda
 10/31/2019 11:31:47 AM



#94
 Hexachlorobutadiene
 Concen: 22.410 ug/l
 RT: 15.11 min Scan# 2194
 Delta R.T. 0.01 min
 Lab File: VY000493.D
 Acq: 30 Oct 2019 16:16

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	40998		
223	62.1	31.3	93.8	
227	61.8	32.4	97.0	





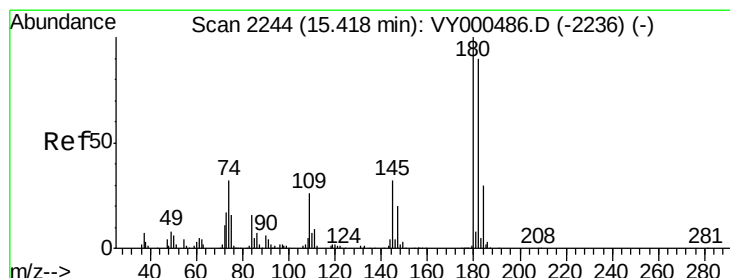
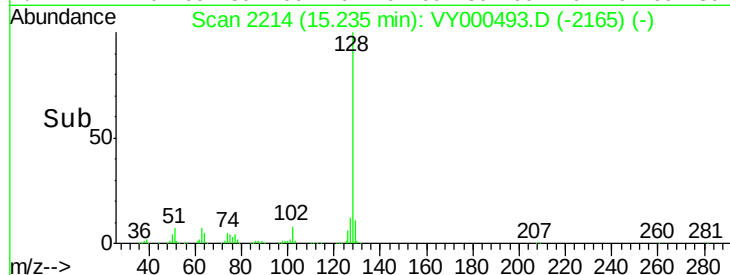
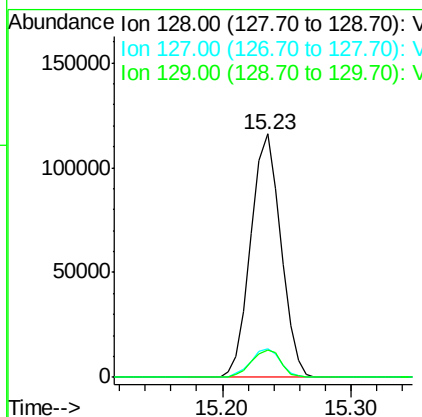
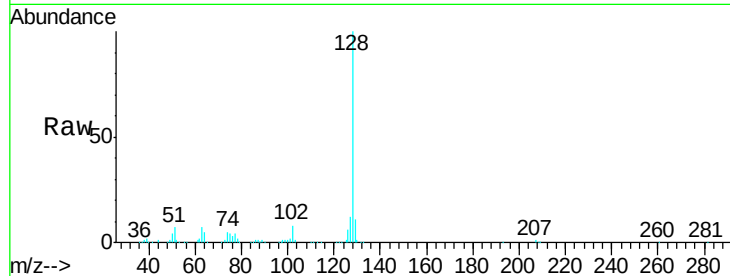
#95
Naphthalene
Concen: 23.791 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VY000493.D
Acq: 30 Oct 2019 16:16

Instrument :
MSVOA_Y
ClientSampleId :
VY1030SBS01

Tgt Ion	Ratio	Resp Lower	Resp Upper
128	100		
127	12.0	9.8	14.6
129	11.1	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
10/31/2019 11:31:47 AM



#96
1,2,3-Trichlorobenzene
Concen: 21.794 ug/l
RT: 15.42 min Scan# 2244
Delta R.T. 0.00 min
Lab File: VY000493.D
Acq: 30 Oct 2019 16:16

Tgt Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	92.8	47.4	142.3
145	31.1	15.7	47.0

