

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY111819\
 Data File : VY000722.D
 Acq On : 18 Nov 2019 13:28
 Operator : SY/MD
 Sample : VY1118SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1118SBS01

Manual Integrations
 APPROVED

MMDADODA
 11/19/2019 12:21:31 PM

Quant Time: Nov 18 13:47:28 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	226413	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	372501	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	334985	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	163743	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	125134	53.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.82%	
35) Dibromofluoromethane	7.73	113	112470	51.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.86%	
50) Toluene-d8	10.18	98	449466	54.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.34%	
62) 4-Bromofluorobenzene	12.48	95	161069	50.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	40680	18.252	ug/l	99
3) Chloromethane	2.12	50	53543	17.439	ug/l	98
4) Vinyl Chloride	2.25	62	52160	18.294	ug/l	90
5) Bromomethane	2.63	94	38969	22.793	ug/l	97
6) Chloroethane	2.79	64	34269	19.204	ug/l	91
7) Trichlorofluoromethane	3.12	101	78583	20.409	ug/l	97
8) Diethyl Ether	3.53	74	27585	20.162	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.90	101	46962	20.174	ug/l	94
10) Methyl Iodide	4.09	142	46940	17.539	ug/l	98
11) Tert butyl alcohol	4.96	59	20285	88.936	ug/l #	89
12) 1,1-Dichloroethene	3.87	96	45201	19.986	ug/l	97
13) Acrolein	3.73	56	14747	74.227	ug/l	98
14) Allyl chloride	4.49	41	75237	20.459	ug/l	100
15) Acrylonitrile	5.17	53	70716	100.899	ug/l	99
16) Acetone	3.95	43	51399	79.592	ug/l	96
17) Carbon Disulfide	4.19	76	131069	18.375	ug/l	98
18) Methyl Acetate	4.48	43	36311	18.084	ug/l	99
19) Methyl tert-butyl Ether	5.23	73	120887	19.225	ug/l	99
20) Methylene Chloride	4.72	84	53379	19.291	ug/l	97
21) trans-1,2-Dichloroethene	5.23	96	50179	19.626	ug/l	99
22) Diisopropyl ether	6.13	45	160531	20.083	ug/l	98
23) Vinyl Acetate	6.07	43	510549	101.184	ug/l	97
24) 1,1-Dichloroethane	6.03	63	88438	20.423	ug/l	97
25) 2-Butanone	7.00	43	90114	87.436	ug/l	96
26) 2,2-Dichloropropane	6.99	77	79134	19.997	ug/l	95
27) cis-1,2-Dichloroethene	6.99	96	56817	20.322	ug/l	99
28) Bromochloromethane	7.35	49	23206	14.881	ug/l	98
29) Tetrahydrofuran	7.36	42	62406	98.979	ug/l	98
30) Chloroform	7.52	83	93679	21.385	ug/l	91
31) Cyclohexane	7.80	56	86716	19.120	ug/l	98
32) 1,1,1-Trichloroethane	7.71	97	77942	19.964	ug/l	98
36) 1,1-Dichloropropene	7.93	75	71511	20.307	ug/l	99
37) Ethyl Acetate	7.09	43	40976	19.599	ug/l	97
38) Carbon Tetrachloride	7.91	117	68879	20.328	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY111819\
 Data File : VY000722.D
 Acq On : 18 Nov 2019 13:28
 Operator : SY/MD
 Sample : VY1118SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1118SBS01

Manual Integrations
 APPROVED

MMDADODA
 11/19/2019 12:21:31 PM

Quant Time: Nov 18 13:47:28 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	89199	19.607	ug/l	92
40) Benzene	8.17	78	206879	20.038	ug/l	99
41) Methacrylonitrile	7.32	41	17150m	14.704	ug/l	
42) 1,2-Dichloroethane	8.25	62	62390	21.307	ug/l	98
43) Isopropyl Acetate	8.28	43	77443	19.719	ug/l	100
44) Trichloroethene	8.95	130	56168	20.634	ug/l	89
45) 1,2-Dichloropropane	9.22	63	53042	20.875	ug/l	93
46) Dibromomethane	9.31	93	27968	20.014	ug/l	97
47) Bromodichloromethane	9.50	83	67564	20.376	ug/l	92
48) Methyl methacrylate	9.30	41	36096	21.035	ug/l	92
49) 1,4-Dioxane	9.30	88	7729	410.959	ug/l #	89
51) 4-Methyl-2-Pentanone	10.07	43	203461	97.439	ug/l	99
52) Toluene	10.25	92	130428	19.982	ug/l	98
53) t-1,3-Dichloropropene	10.47	75	70977	20.033	ug/l	99
54) cis-1,3-Dichloropropene	9.93	75	81443	20.066	ug/l	98
55) 1,1,2-Trichloroethane	10.64	97	39851	19.716	ug/l	96
56) Ethyl methacrylate	10.51	69	55670	19.433	ug/l	97
57) 1,3-Dichloropropane	10.79	76	72692	20.549	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	127632	98.549	ug/l	100
59) 2-Hexanone	10.83	43	139549	91.726	ug/l	100
60) Dibromochloromethane	10.99	129	45475	19.643	ug/l	98
61) 1,2-Dibromoethane	11.09	107	39290	20.217	ug/l	99
64) Tetrachloroethene	10.72	164	55408	20.003	ug/l	96
65) Chlorobenzene	11.52	112	137612	20.262	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	46815	19.875	ug/l	98
67) Ethyl Benzene	11.59	91	259196	20.736	ug/l	97
68) m/p-Xylenes	11.70	106	194095	40.120	ug/l	96
69) o-Xylene	12.03	106	92776	20.405	ug/l	96
70) Styrene	12.04	104	154919	19.898	ug/l	99
71) Bromoform	12.20	173	26142	19.296	ug/l #	98
73) Isopropylbenzene	12.33	105	243768	20.143	ug/l	99
74) N-amyl acetate	12.14	43	68625	19.800	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	48129	20.086	ug/l	98
76) 1,2,3-Trichloropropane	12.63	75	40779m	21.872	ug/l	
77) Bromobenzene	12.61	156	56168	20.467	ug/l	98
78) n-propylbenzene	12.67	91	304364	20.844	ug/l	99
79) 2-Chlorotoluene	12.75	91	166162	20.498	ug/l	96
80) 1,3,5-Trimethylbenzene	12.81	105	210030	20.838	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.38	75	16438	19.768	ug/l	96
82) 4-Chlorotoluene	12.85	91	177083	21.074	ug/l	96
83) tert-Butylbenzene	13.07	119	172887	20.089	ug/l	97
84) 1,2,4-Trimethylbenzene	13.12	105	206375	20.565	ug/l	100
85) sec-Butylbenzene	13.25	105	257720	21.020	ug/l	100
86) p-Isopropyltoluene	13.37	119	226832	20.758	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	110900	20.631	ug/l	98
88) 1,4-Dichlorobenzene	13.44	146	110626	20.595	ug/l	99
89) n-Butylbenzene	13.69	91	226234	20.991	ug/l	99
90) Hexachloroethane	13.95	117	41061	20.325	ug/l	96
91) 1,2-Dichlorobenzene	13.73	146	98454	20.187	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.36	75	8400	19.808	ug/l	92

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY111819\
Data File : VY000722.D
Acq On : 18 Nov 2019 13:28
Operator : SY/MD
Sample : VY1118SBSD01
Misc : 5.00G/5ML/MSVOA Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1118SBSD01

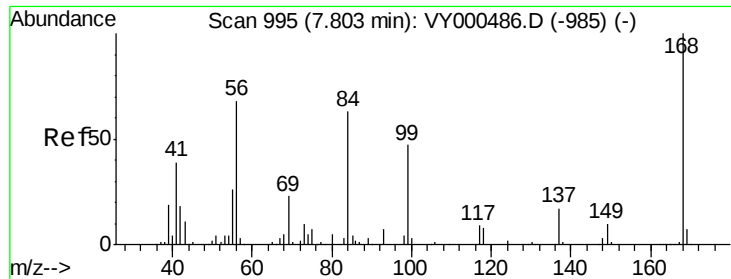
Manual Integrations
APPROVED

MMDADODA
11/19/2019 12:21:31 PM

Quant Time: Nov 18 13:47:28 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	68391	20.595	ug/l	100
94) Hexachlorobutadiene	15.11	225	36209	21.153	ug/l	97
95) Naphthalene	15.23	128	149719	20.309	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	60430	20.283	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: VY000722.D

Acq: 18 Nov 2019 13:28

Instrument :

MSVOA_Y

ClientSampleId :

VY1118SBS01

Tot Ion:168 Resp: 226413

Ion Ratio Lower Upper

168 100

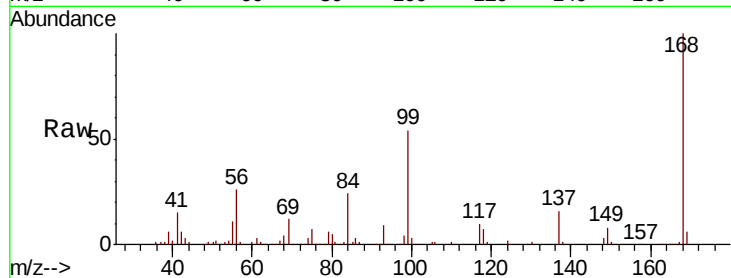
99 54.1 45.7 68.5

Manual Integrations

APPROVED

MMDADODA

11/19/2019 12:21:31 PM



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

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

7.80

100000

80000

60000

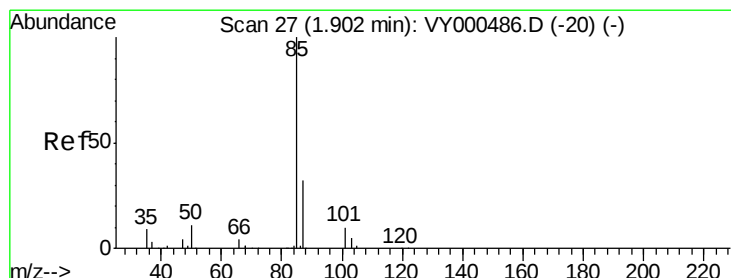
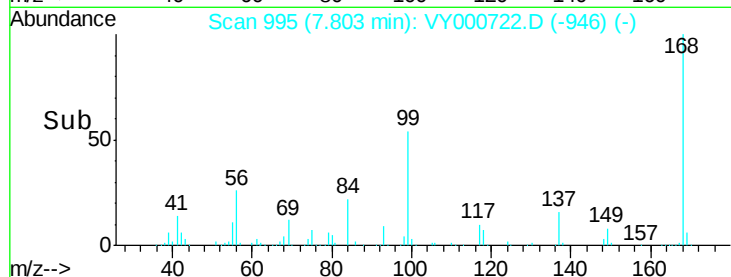
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 18.252 ug/l

RT: 1.90 min Scan# 27

Delta R.T. -0.00 min

Lab File: VY000722.D

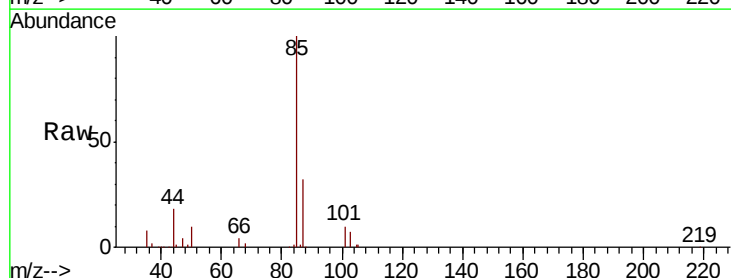
Acq: 18 Nov 2019 13:28

Tgt Ion: 85 Resp: 40680

Ion Ratio Lower Upper

85 100

87 32.2 15.9 47.7



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

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

1.90

30000

25000

20000

15000

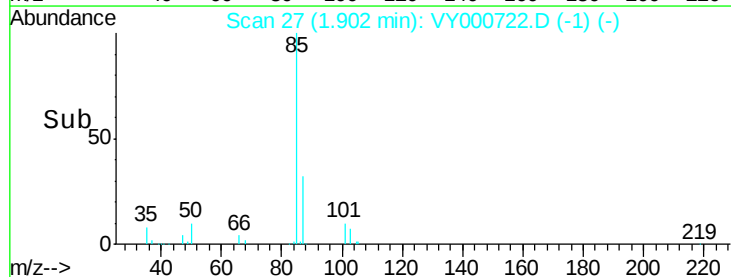
10000

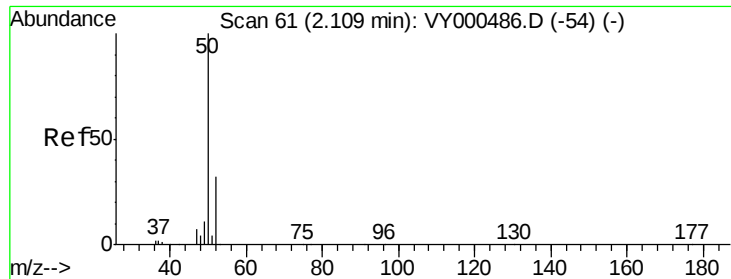
5000

0

1.80 1.85 1.90 1.95 2.00

Time-->





#3

Chloromethane

Concen: 17.439 ug/l

RT: 2.12 min Scan# 62

Delta R.T. 0.01 min

Lab File: VY000722.D

Acq: 18 Nov 2019 13:28

Instrument :

MSVOA_Y

ClientSampleId :

VY1118SBS01

Tot Ion: 50 Resp: 53543

Ion Ratio Lower Upper

50 100

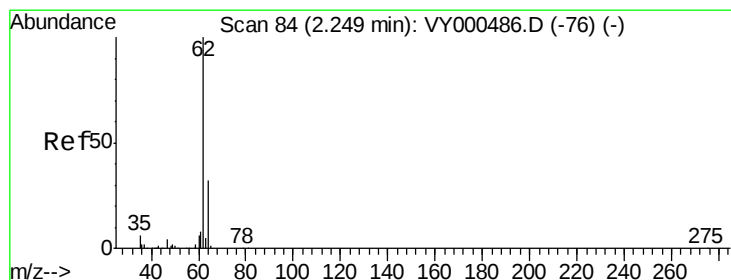
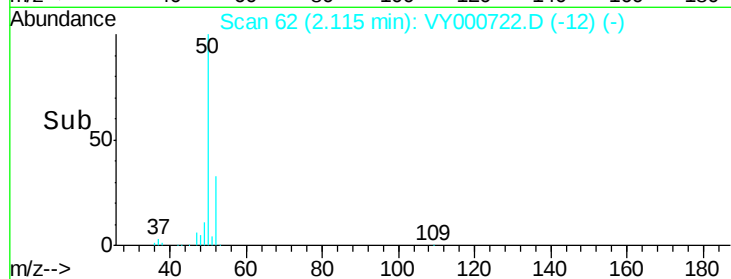
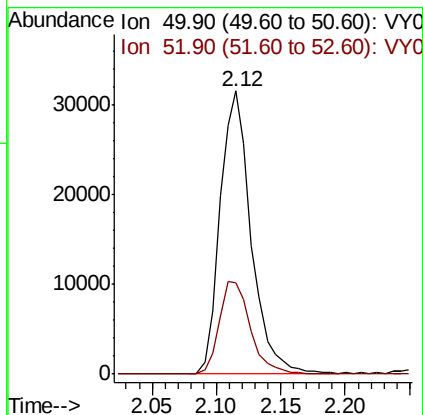
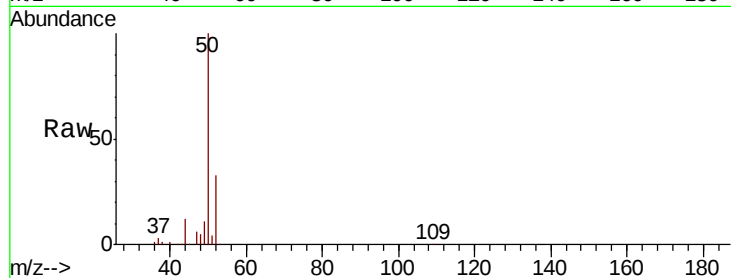
52 32.5 25.2 37.8

Manual Integrations

APPROVED

MMDADODA

11/19/2019 12:21:31 PM



#4

Vinyl Chloride

Concen: 18.294 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.00 min

Lab File: VY000722.D

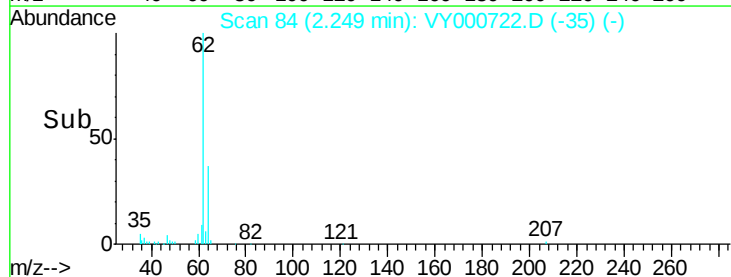
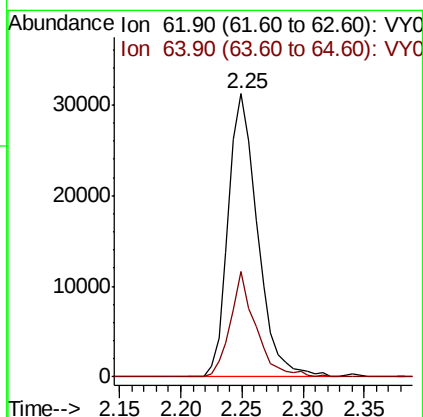
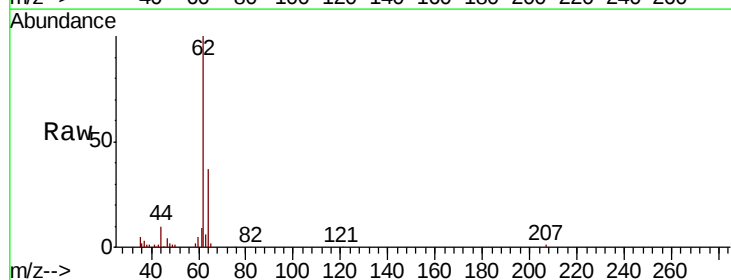
Acq: 18 Nov 2019 13:28

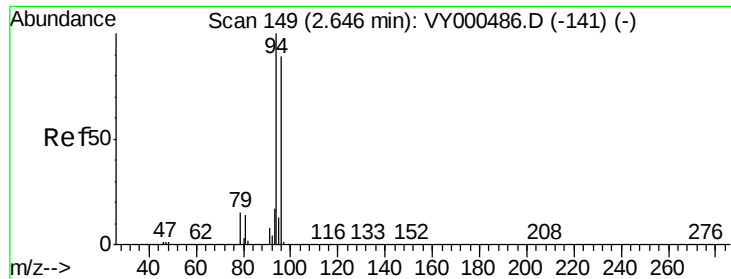
Tgt Ion: 62 Resp: 52160

Ion Ratio Lower Upper

62 100

64 37.3 25.2 37.8





#5

Bromomethane

Concen: 22.793 ug/l

RT: 2.63 min Scan# 147

Delta R.T. -0.01 min

Lab File: VY000722.D

Acq: 18 Nov 2019 13:28

Instrument :

MSVOA_Y

ClientSampleId :

VY1118SBS01

Tot Ion: 94 Resp: 38969

Ion Ratio Lower Upper

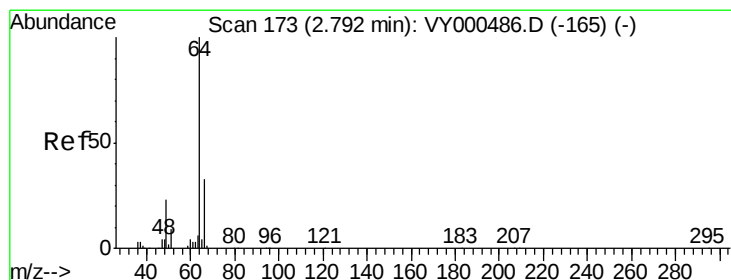
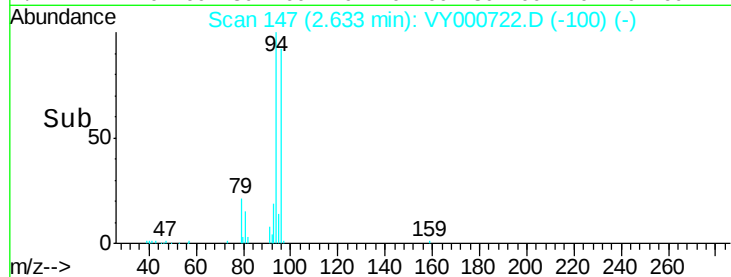
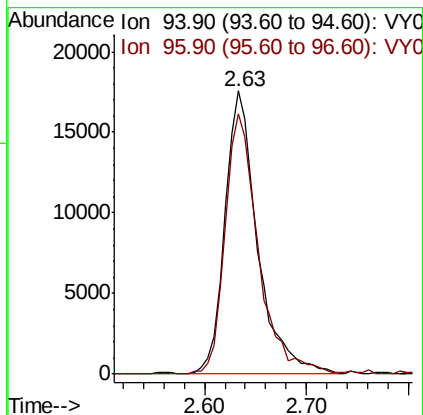
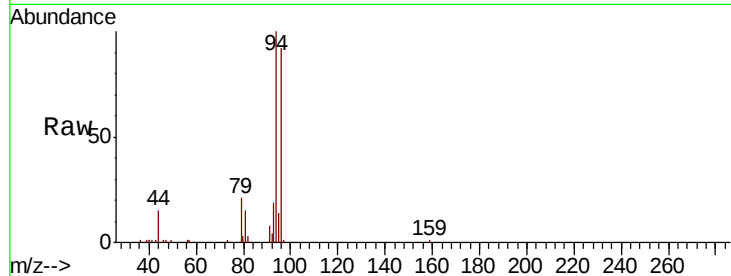
94 100

96 91.9 71.2 106.8

Manual Integrations
APPROVED

MMDADODA

11/19/2019 12:21:31 PM



#6

Chloroethane

Concen: 19.204 ug/l

RT: 2.79 min Scan# 172

Delta R.T. -0.01 min

Lab File: VY000722.D

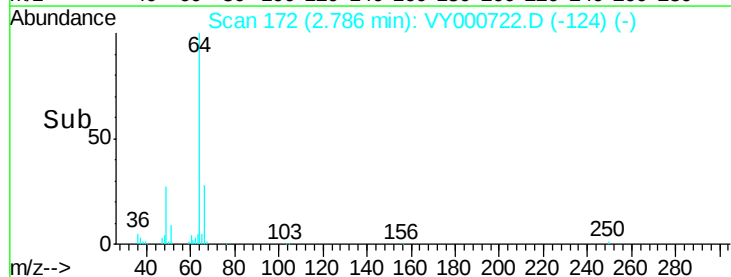
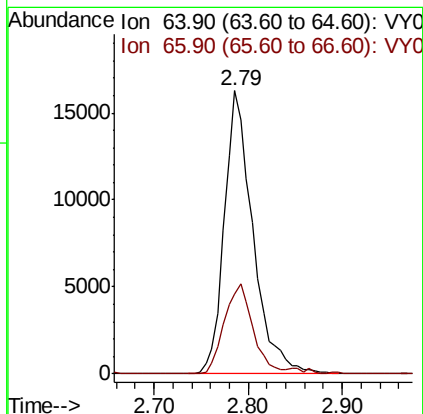
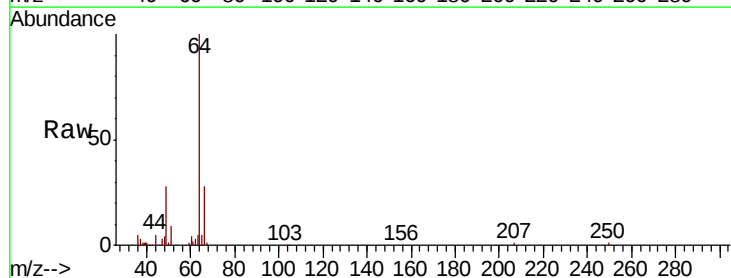
Acq: 18 Nov 2019 13:28

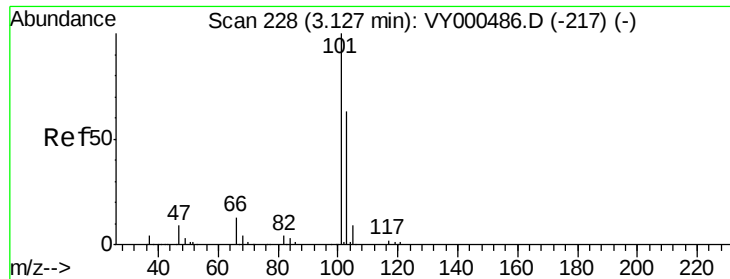
Tgt Ion: 64 Resp: 34269

Ion Ratio Lower Upper

64 100

66 28.3 26.6 40.0





#7

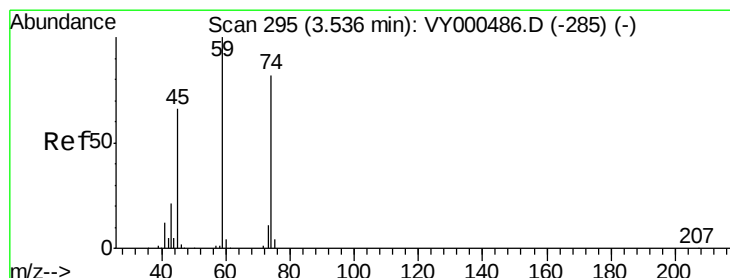
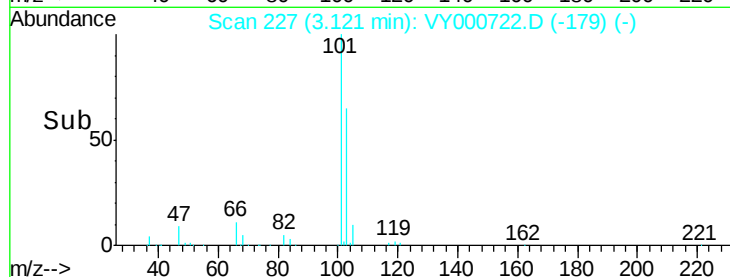
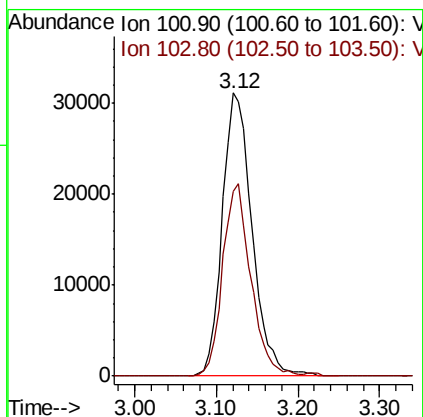
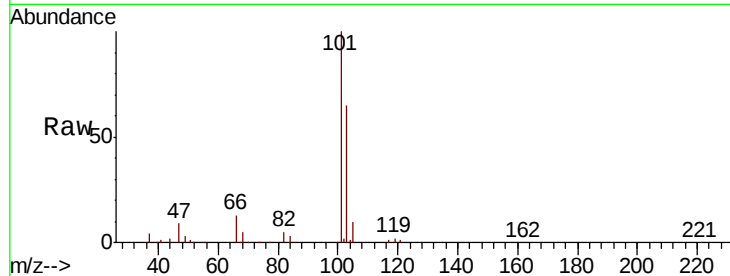
Trichlorofluoromethane
Concen: 20.409 ug/l
RT: 3.12 min Scan# 227
Delta R.T. -0.01 min
Lab File: VY000722.D
Acq: 18 Nov 2019 13:28

Instrument :
MSVOA_Y
ClientSampleId :
VY1118SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.3	50.5	75.7

Manual Integrations
APPROVED

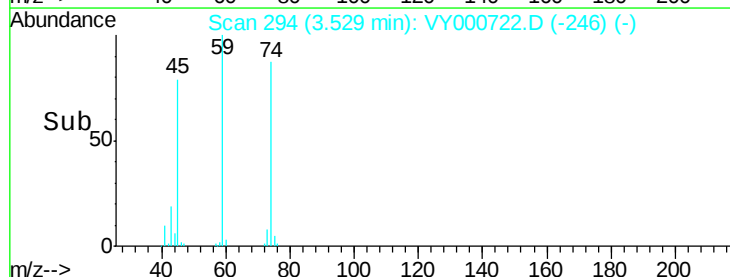
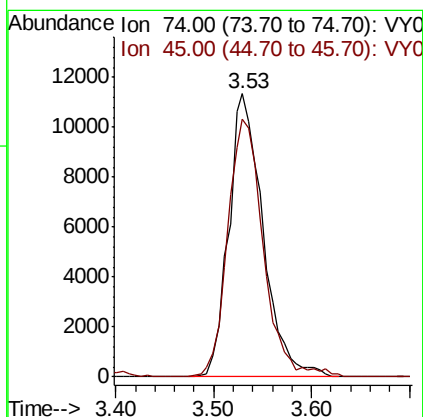
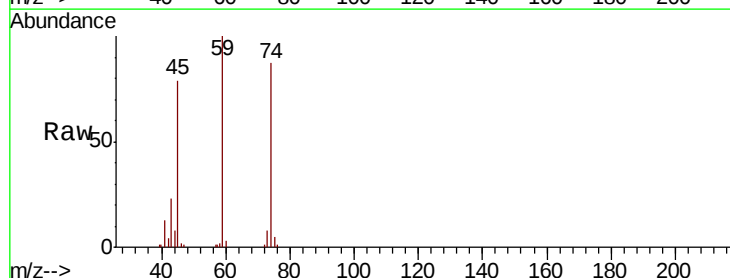
MMDADODA
11/19/2019 12:21:31 PM



#8

Diethyl Ether
Concen: 20.162 ug/l
RT: 3.53 min Scan# 294
Delta R.T. -0.01 min
Lab File: VY000722.D
Acq: 18 Nov 2019 13:28

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.4	45.5	136.4





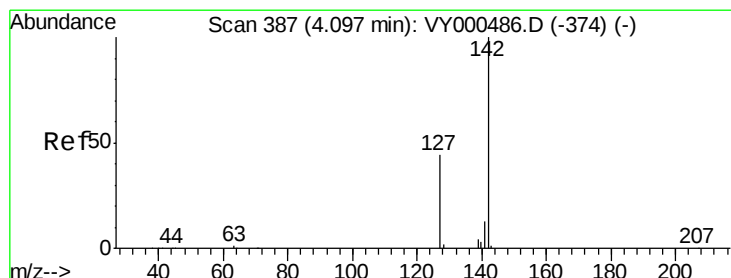
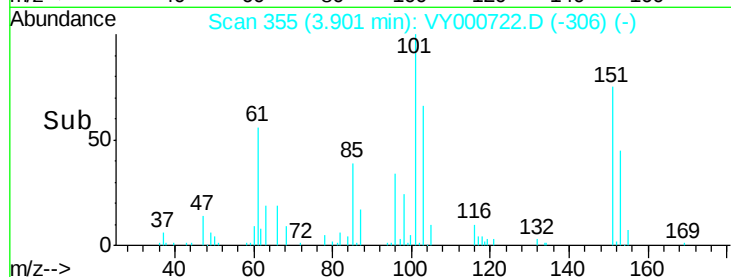
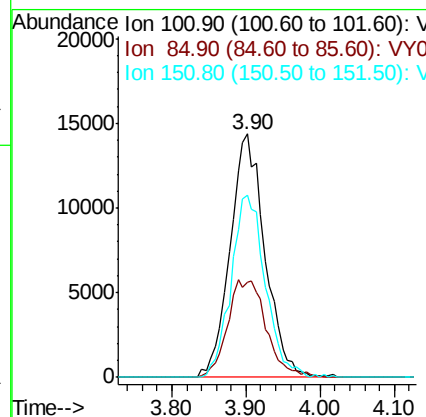
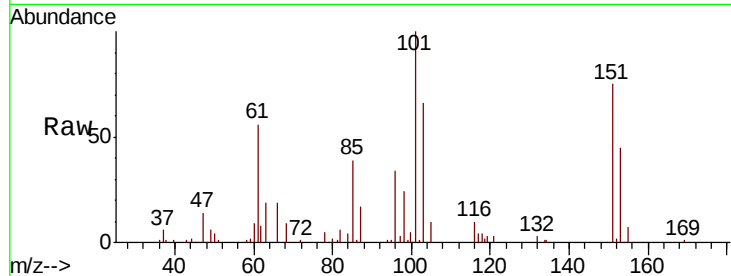
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.174 ug/l
RT: 3.90 min Scan# 355
Delta R.T. -0.00 min
Lab File: VY000722.D
Acq: 18 Nov 2019 13:28

Instrument :
MSVOA_Y
ClientSampleId :
VY1118SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
85	44.1	36.7	55.1
151	73.4	64.3	96.5

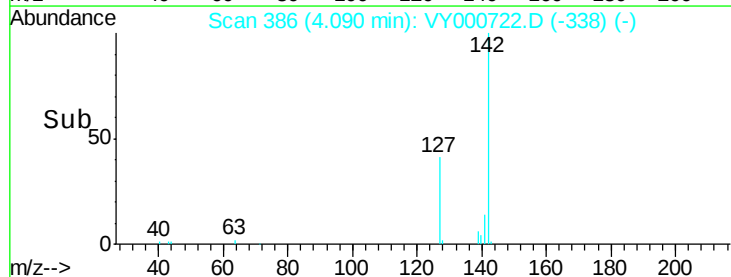
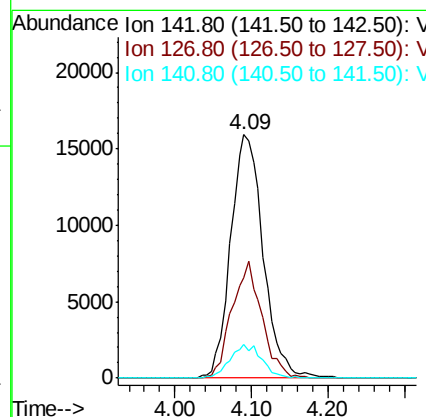
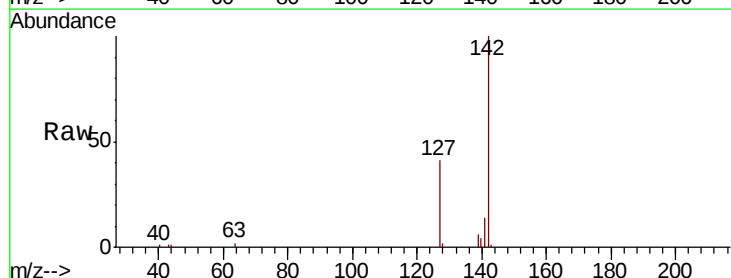
Manual Integrations
APPROVED

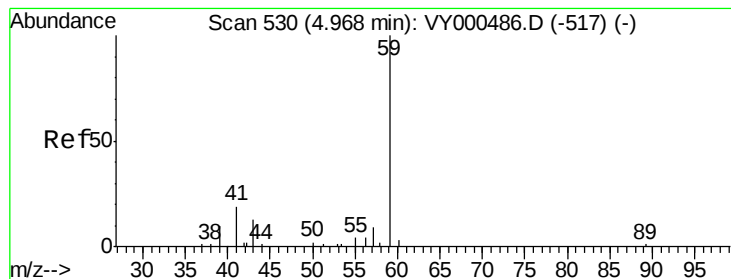
MMDADODA
11/19/2019 12:21:31 PM



#10
Methyl Iodide
Concen: 17.539 ug/l
RT: 4.09 min Scan# 386
Delta R.T. -0.01 min
Lab File: VY000722.D
Acq: 18 Nov 2019 13:28

Tgt Ion	Ratio	Lower	Upper
142	100		
127	43.8	33.7	50.5
141	13.5	10.9	16.3





#11

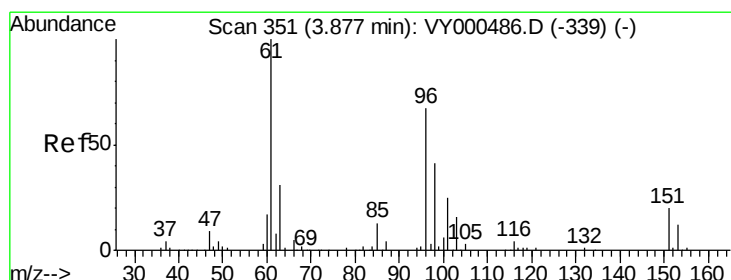
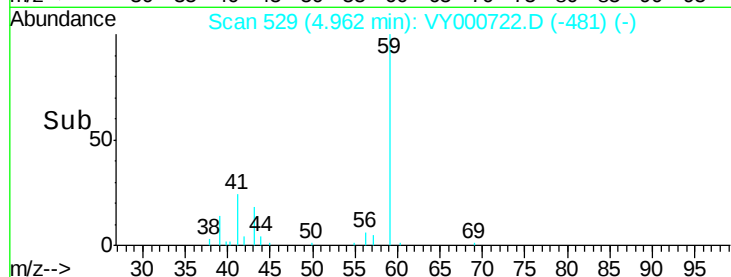
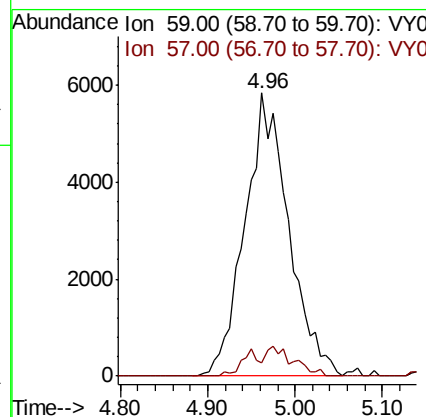
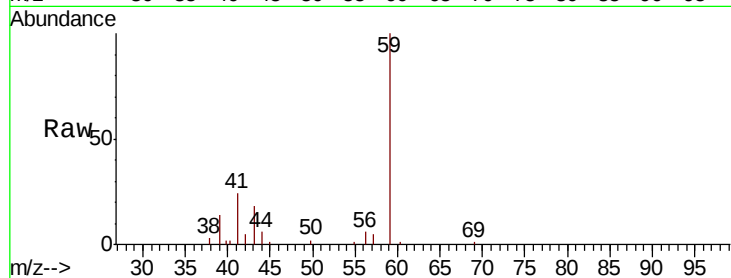
Tert butyl alcohol
 Concen: 88.936 ug/l
 RT: 4.96 min Scan# 529
 Delta R.T. -0.01 min
 Lab File: VY000722.D
 Acq: 18 Nov 2019 13:28

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1118SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	6.5	8.6	12.8#

Manual Integrations
 APPROVED

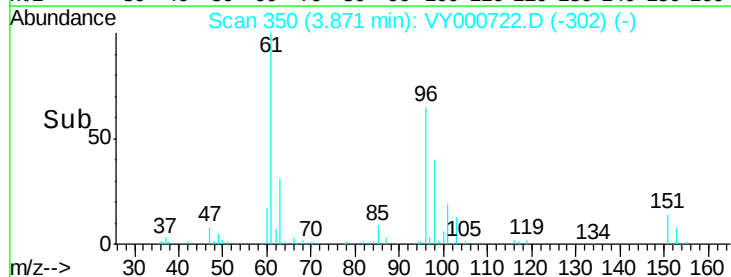
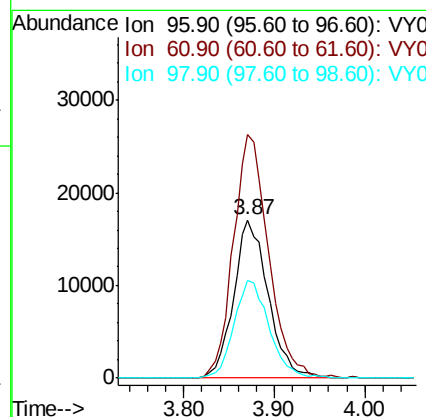
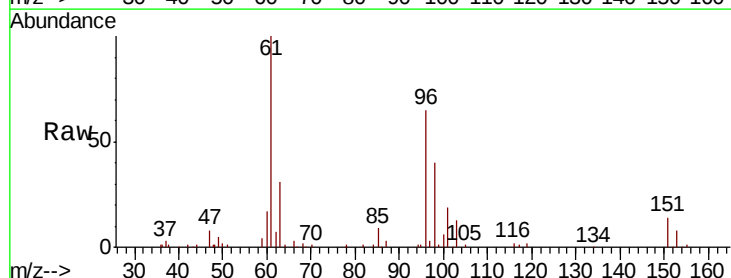
MMDADODA
 11/19/2019 12:21:31 PM

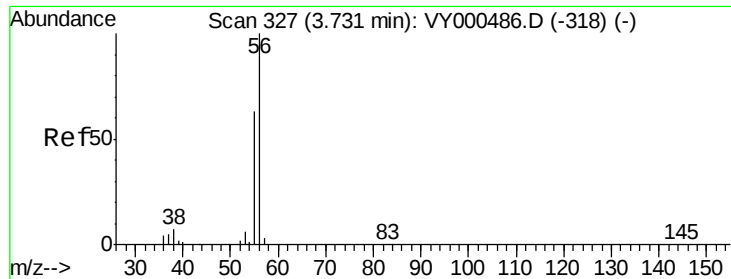


#12

1,1-Dichloroethene
 Concen: 19.986 ug/l
 RT: 3.87 min Scan# 350
 Delta R.T. -0.01 min
 Lab File: VY000722.D
 Acq: 18 Nov 2019 13:28

Tgt Ion	Ratio	Lower	Upper
96	100		
61	153.8	119.2	178.8
98	61.4	48.6	73.0





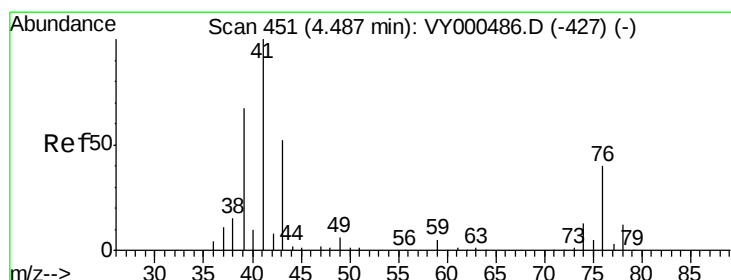
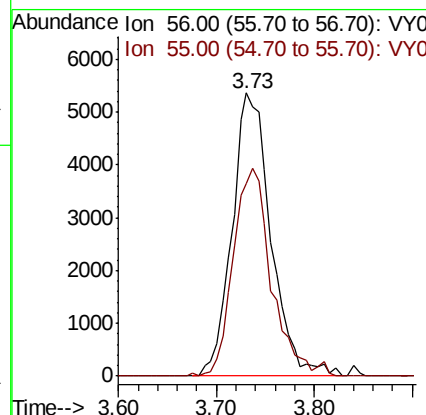
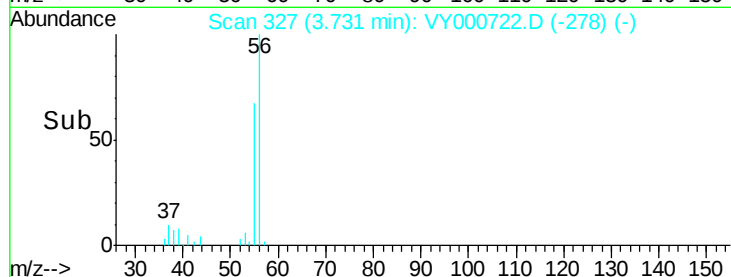
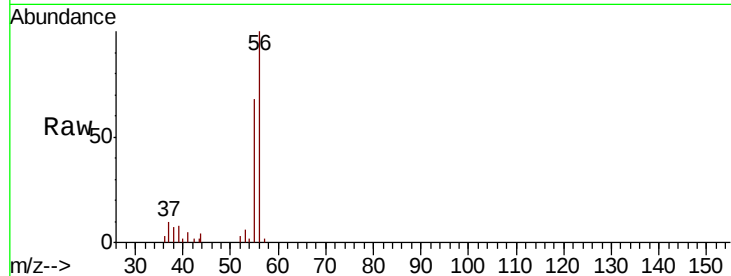
#13
Acrolein
Concen: 74.227 ug/l
RT: 3.73 min Scan# 327
Delta R.T. -0.00 min
Lab File: VY000722.D
Acq: 18 Nov 2019 13:28

Instrument :
MSVOA_Y
ClientSampleId :
VY1118SBS01

Tot Ion: 56 Resp: 14747
Ion Ratio Lower Upper
56 100
55 72.6 57.0 85.6

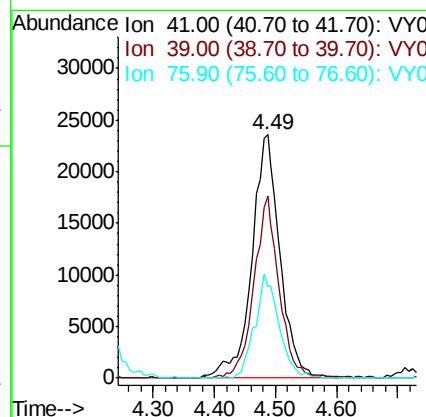
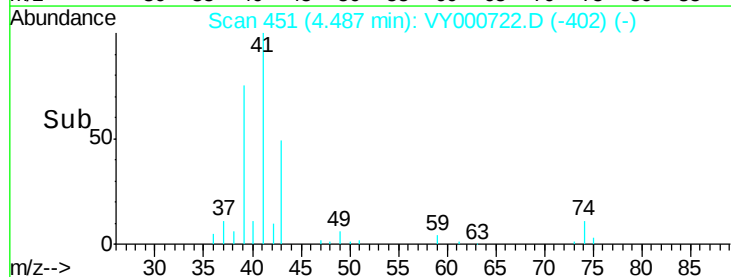
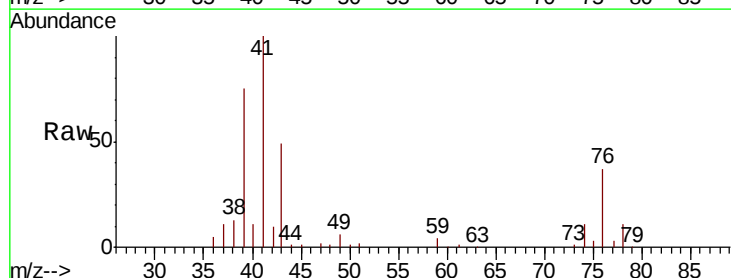
Manual Integrations
APPROVED

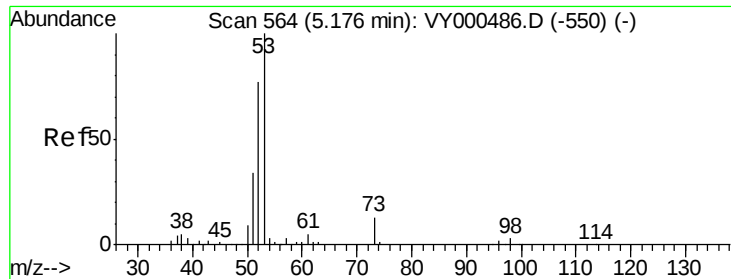
MMDADODA
11/19/2019 12:21:31 PM



#14
Allyl chloride
Concen: 20.459 ug/l
RT: 4.49 min Scan# 451
Delta R.T. -0.00 min
Lab File: VY000722.D
Acq: 18 Nov 2019 13:28

Tgt Ion: 41 Resp: 75237
Ion Ratio Lower Upper
41 100
39 67.5 53.6 80.4
76 37.1 29.8 44.6





#15

Acrylonitrile

Concen: 100.899 ug/l

RT: 5.17 min Scan# 563

Delta R.T. -0.01 min

Lab File: VY000722.D

Acq: 18 Nov 2019 13:28

Instrument :

MSVOA_Y

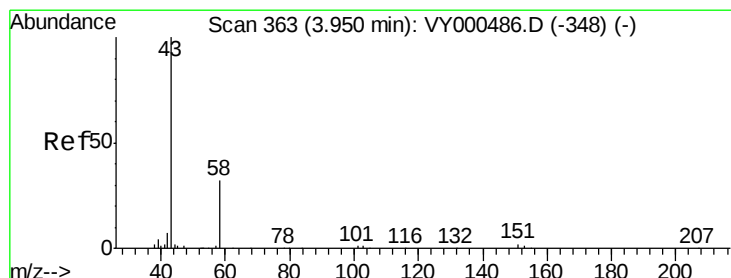
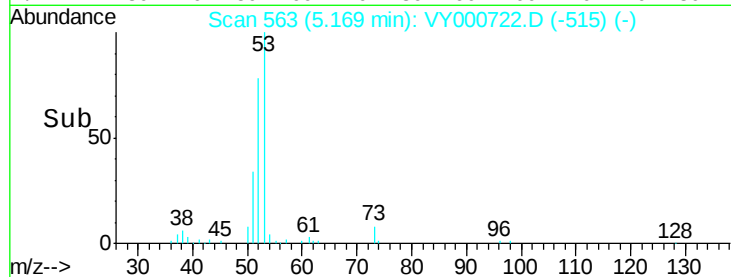
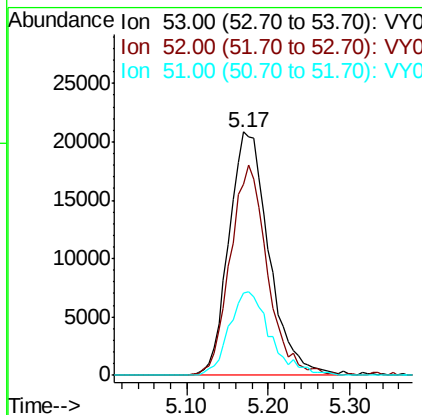
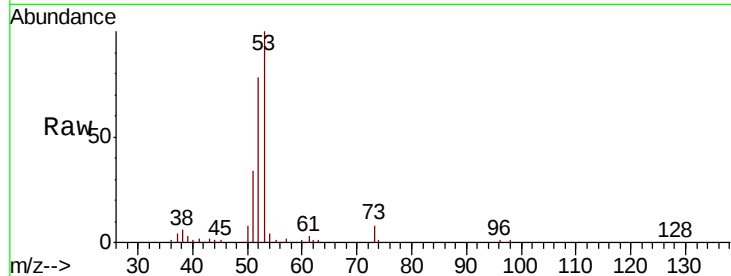
ClientSampleId :

VY1118SBS01

Tot Ion:	53	Resp:	70716
Ion	Ratio	Lower	Upper
53	100		
52	80.4	64.9	97.3
51	35.2	27.6	41.4

Manual Integrations
APPROVED

MMDADODA
11/19/2019 12:21:31 PM



#16

Acetone

Concen: 79.592 ug/l

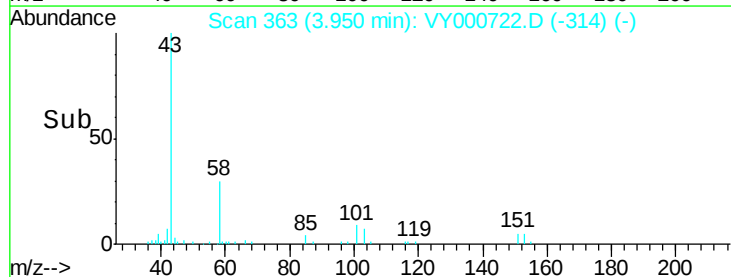
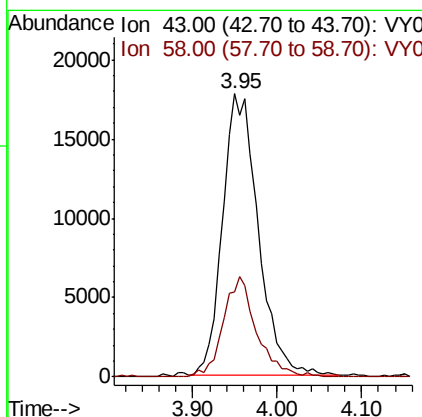
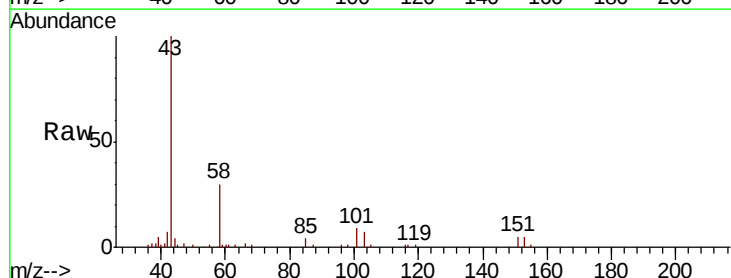
RT: 3.95 min Scan# 363

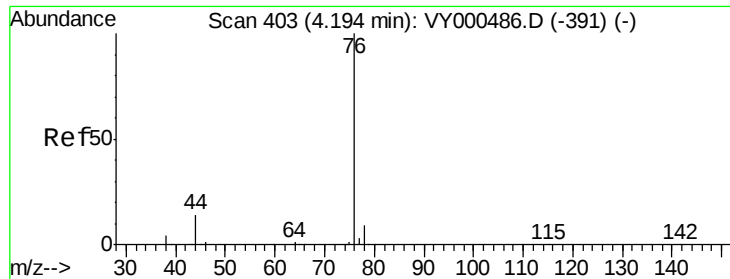
Delta R.T. -0.00 min

Lab File: VY000722.D

Acq: 18 Nov 2019 13:28

Tgt Ion:	43	Resp:	51399
Ion	Ratio	Lower	Upper
43	100		
58	30.0	25.8	38.6





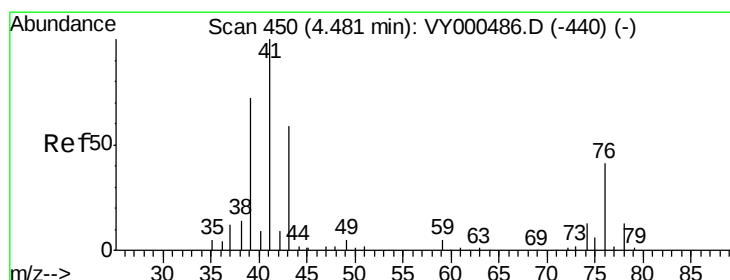
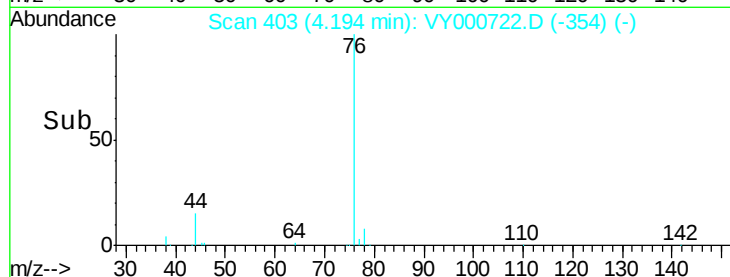
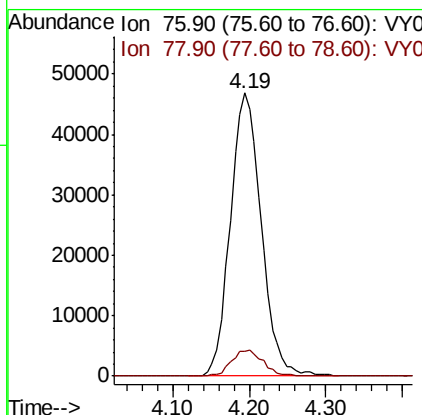
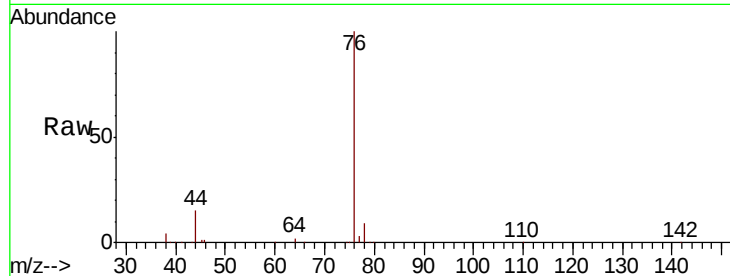
#17
Carbon Disulfide
Concen: 18.375 ug/l
RT: 4.19 min Scan# 403
Delta R.T. -0.00 min
Lab File: VY000722.D
Acq: 18 Nov 2019 13:28

Instrument :
MSVOA_Y
ClientSampleId :
VY1118SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.5	11.3

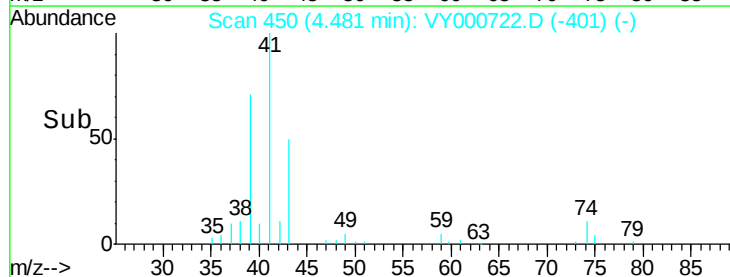
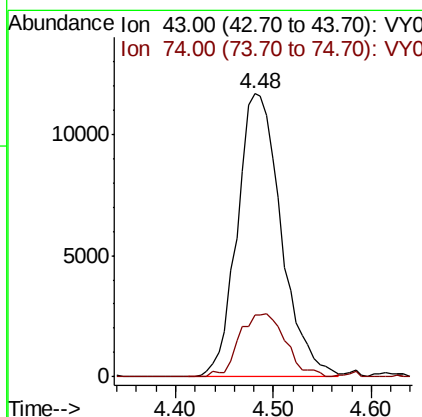
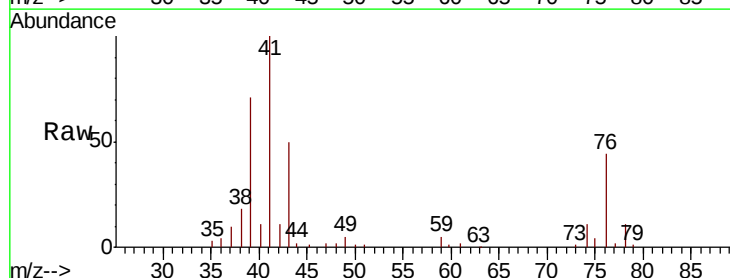
Manual Integrations
APPROVED

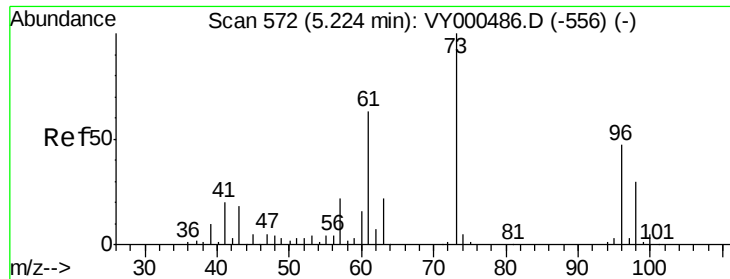
MMDADODA
11/19/2019 12:21:31 PM



#18
Methyl Acetate
Concen: 18.084 ug/l
RT: 4.48 min Scan# 450
Delta R.T. -0.00 min
Lab File: VY000722.D
Acq: 18 Nov 2019 13:28

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.5	19.2	28.8





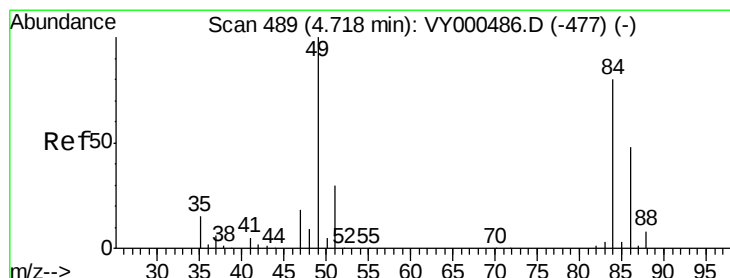
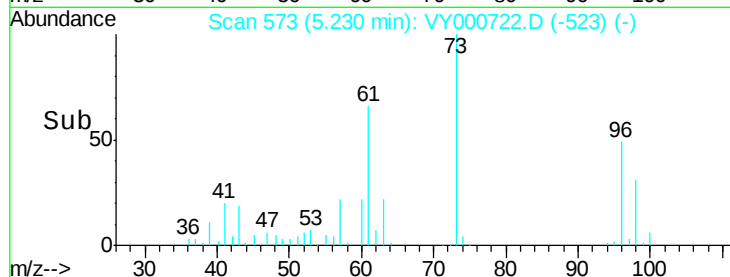
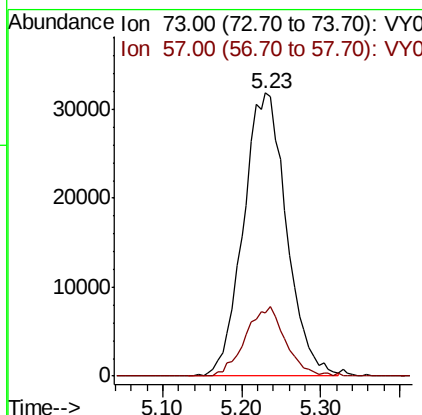
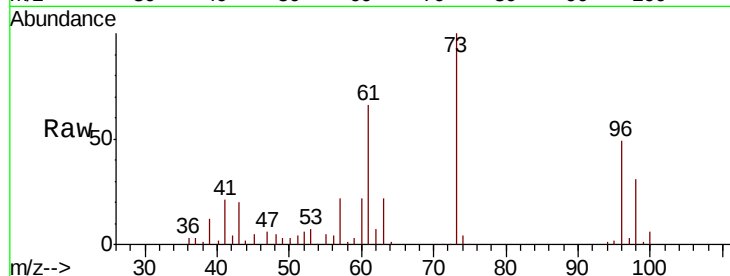
#19
Methvl tert-butvl Ether
Concen: 19.225 ug/l
RT: 5.23 min Scan# 573
Delta R.T. 0.01 min
Lab File: VY000722.D
Acq: 18 Nov 2019 13:28

Instrument :
MSVOA_Y
ClientSampleId :
VY1118SBS01

Tot Ion: 73 Resp: 120887
Ion Ratio Lower Upper
73 100
57 22.1 17.4 26.0

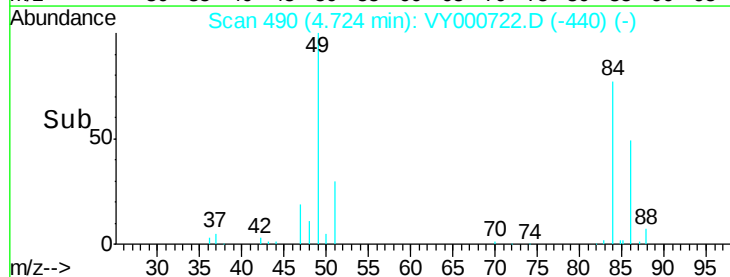
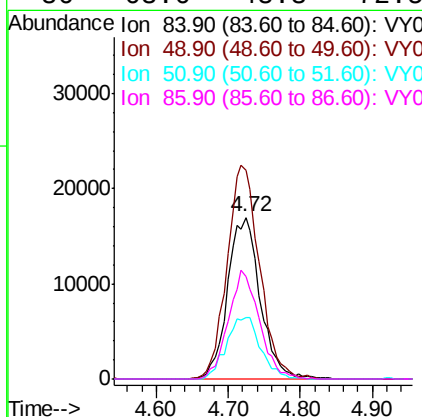
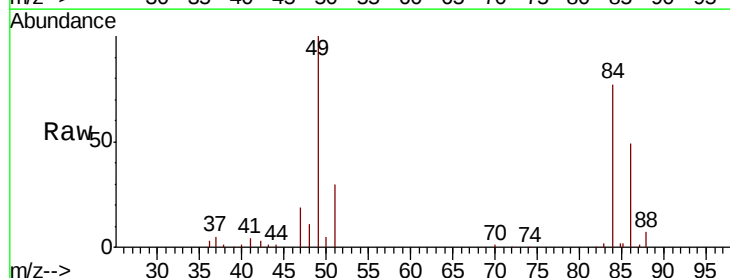
Manual Integrations
APPROVED

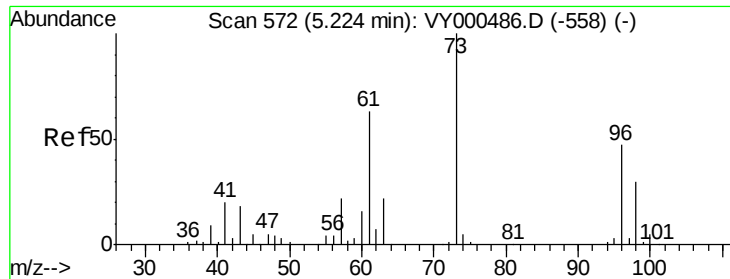
MMDADODA
11/19/2019 12:21:31 PM



#20
Methylene Chloride
Concen: 19.291 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.01 min
Lab File: VY000722.D
Acq: 18 Nov 2019 13:28

Tgt Ion: 84 Resp: 53379
Ion Ratio Lower Upper
84 100
49 129.1 100.2 150.4
51 38.4 29.6 44.4
86 63.6 48.3 72.5





#21

trans-1,2-Dichloroethene

Concen: 19.626 ug/l

RT: 5.23 min Scan# 573

Delta R.T. 0.01 min

Lab File: VY000722.D

Acq: 18 Nov 2019 13:28

Instrument :

MSVOA_Y

ClientSampleId :

VY1118SBS01

Tot Ion: 96 Resp: 50179

Ion Ratio Lower Upper

96 100

61 134.7 106.6 160.0

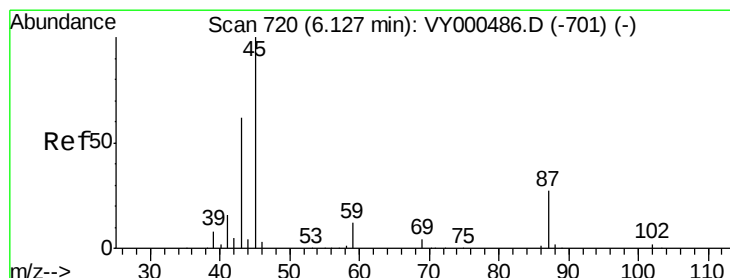
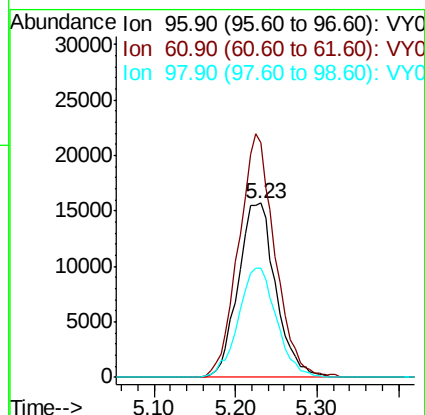
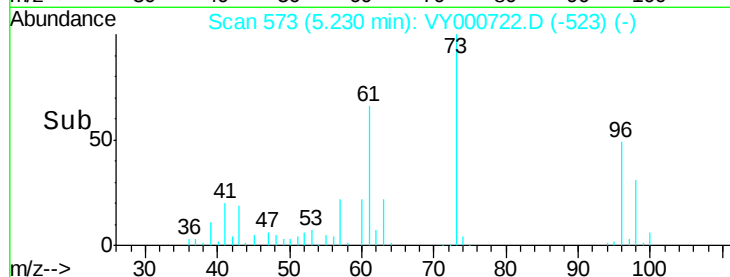
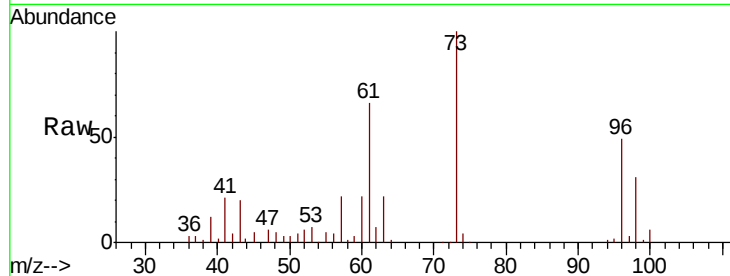
98 62.7 50.6 76.0

Manual Integrations

APPROVED

MMDADODA

11/19/2019 12:21:31 PM



#22

Diisopropyl ether

Concen: 20.083 ug/l

RT: 6.13 min Scan# 720

Delta R.T. -0.00 min

Lab File: VY000722.D

Acq: 18 Nov 2019 13:28

Tgt Ion: 45 Resp: 160531

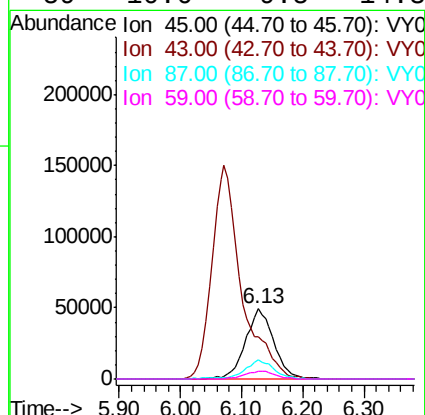
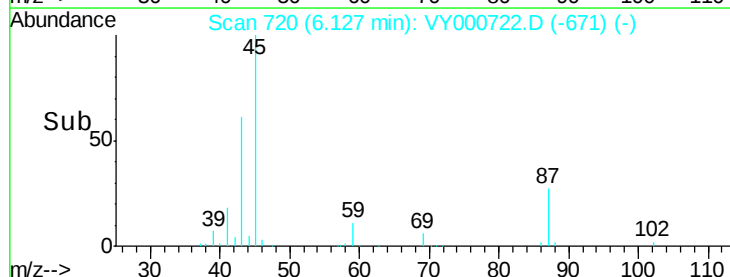
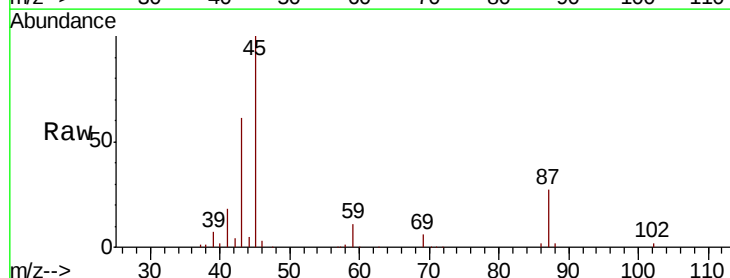
Ion Ratio Lower Upper

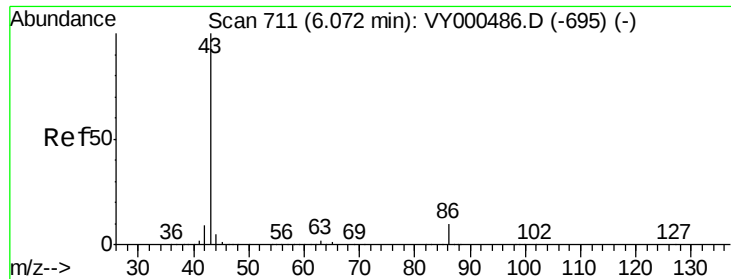
45 100

43 60.6 50.0 75.0

87 27.4 21.6 32.4

59 10.6 9.5 14.3





#23

Vinyl Acetate

Concen: 101.184 ug/l

RT: 6.07 min Scan# 711

Delta R.T. -0.00 min

Lab File: VY000722.D

Acq: 18 Nov 2019 13:28

Instrument :

MSVOA_Y

ClientSampleId :

VY1118SBS01

Tot Ion: 43 Resp: 510549

Ion Ratio Lower Upper

43 100

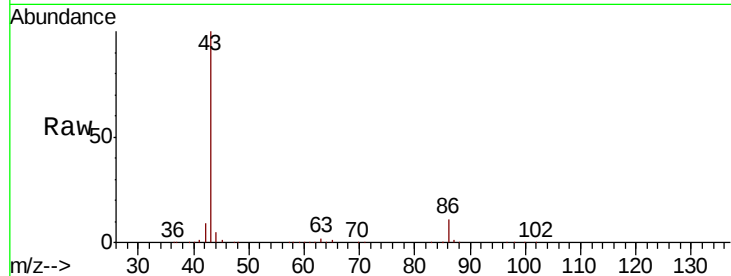
86 10.7 7.8 11.6

Manual Integrations

APPROVED

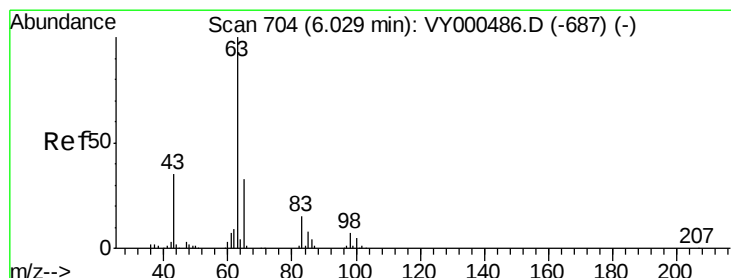
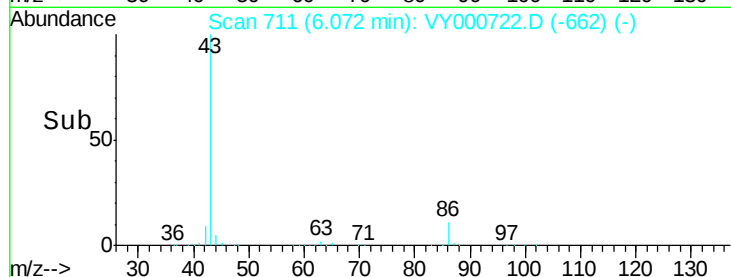
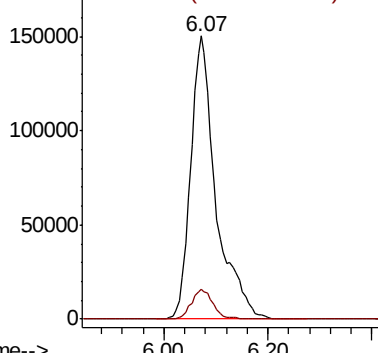
MMDADODA

11/19/2019 12:21:31 PM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 20.423 ug/l

RT: 6.03 min Scan# 704

Delta R.T. -0.00 min

Lab File: VY000722.D

Acq: 18 Nov 2019 13:28

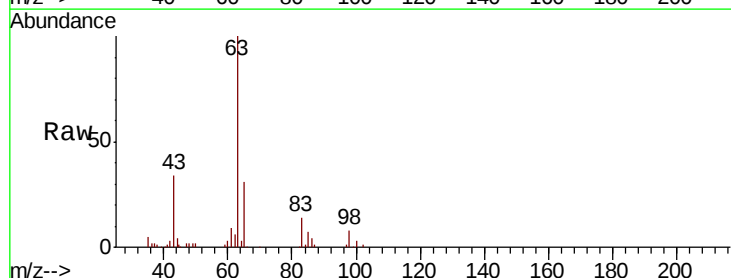
Tgt Ion: 63 Resp: 88438

Ion Ratio Lower Upper

63 100

98 7.9 3.5 10.6

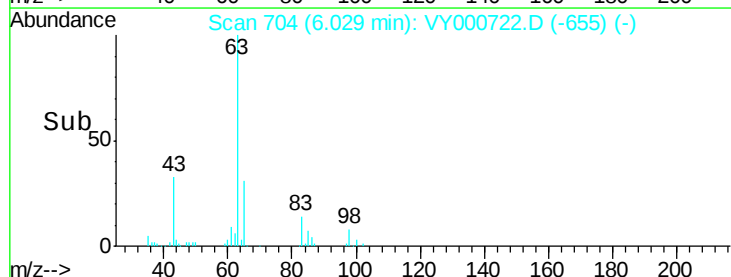
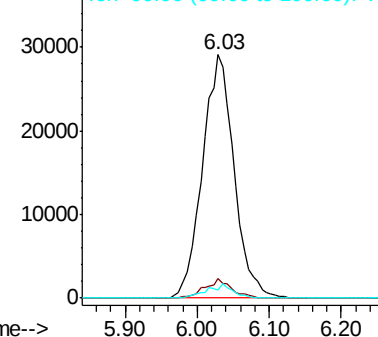
100 3.3 2.4 7.1

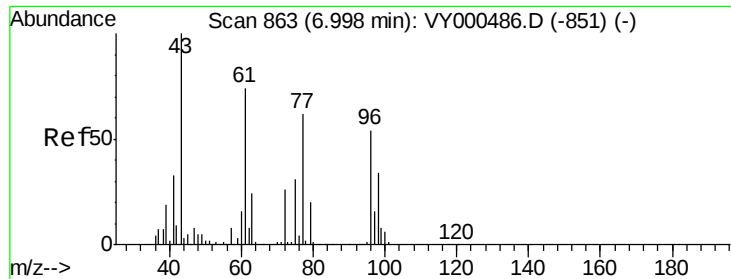


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





#25

2-Butanone

Concen: 87.436 ug/l

RT: 7.00 min Scan# 863

Delta R.T. -0.00 min

Lab File: VY000722.D

Acq: 18 Nov 2019 13:28

Instrument :

MSVOA_Y

ClientSampleId :

VY1118SBS01

Tot Ion: 43 Resp: 90114

Ion Ratio Lower Upper

43 100

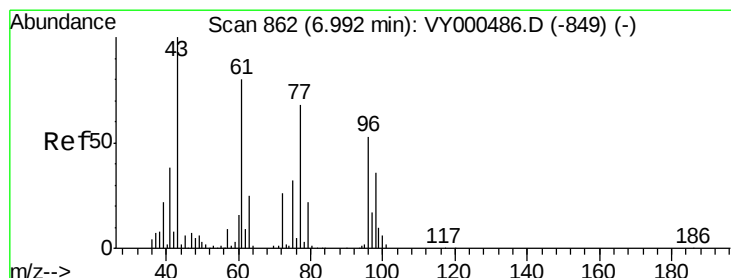
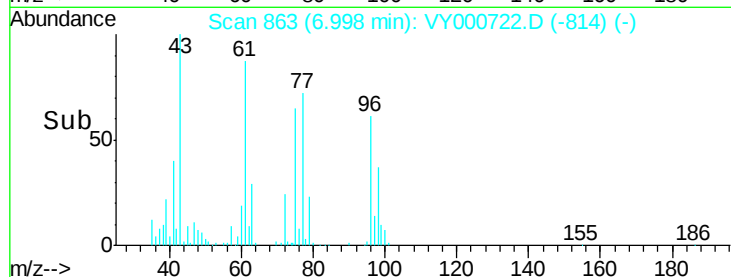
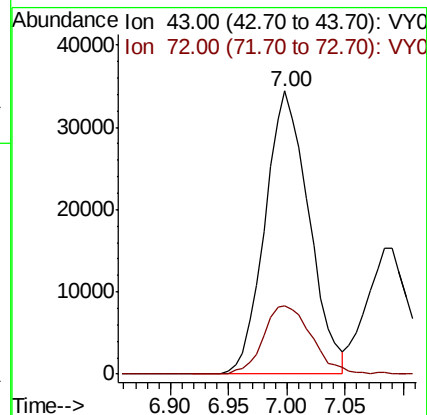
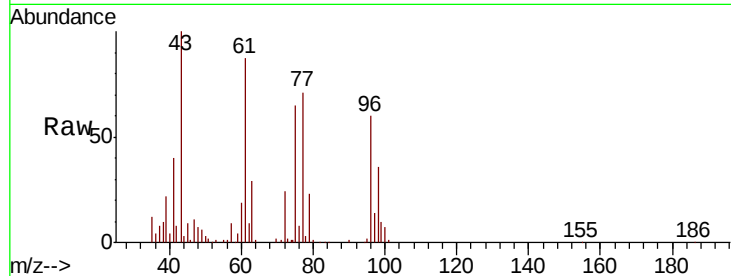
72 24.3 20.9 31.3

Manual Integrations

APPROVED

MMDADODA

11/19/2019 12:21:31 PM



#26

2,2-Dichloropropane

Concen: 19.997 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.00 min

Lab File: VY000722.D

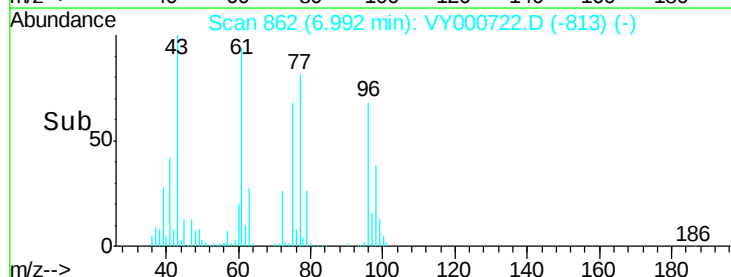
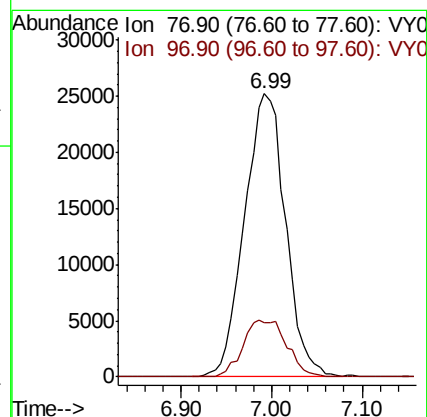
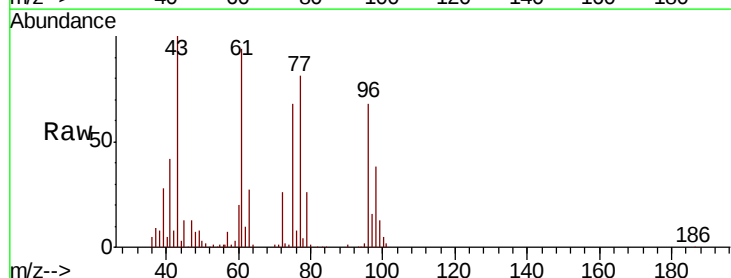
Acq: 18 Nov 2019 13:28

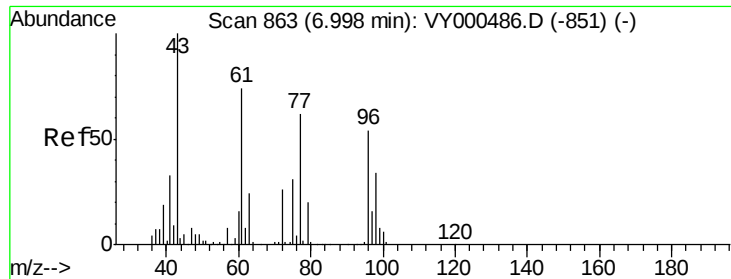
Tgt Ion: 77 Resp: 79134

Ion Ratio Lower Upper

77 100

97 21.2 11.8 35.4





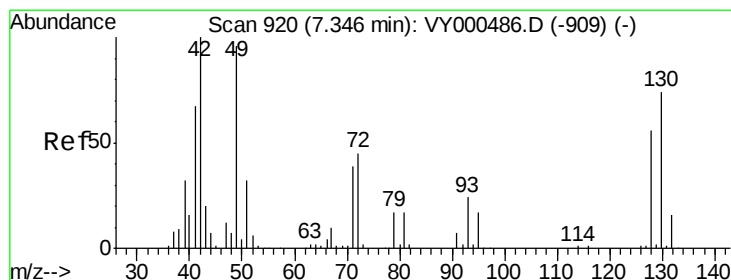
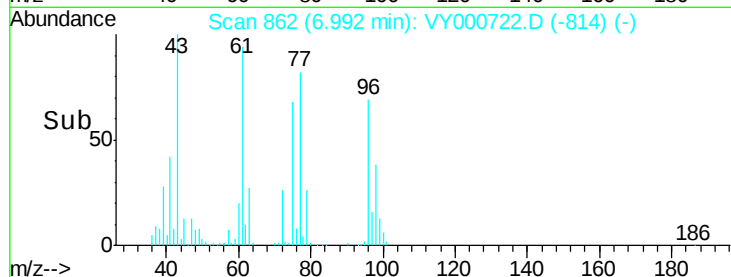
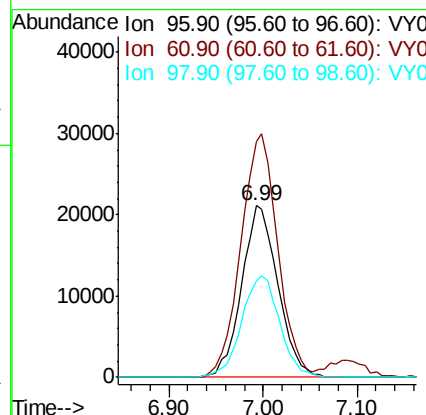
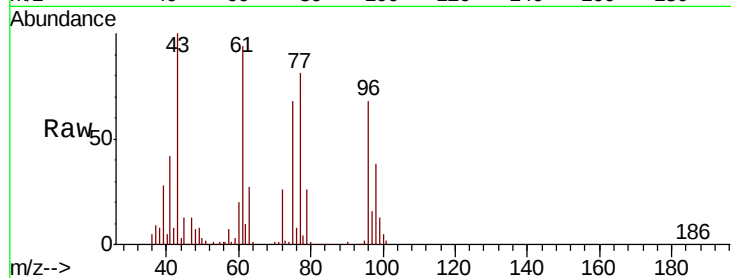
#27
 cis-1,2-Dichloroethene
 Concen: 20.322 ug/l
 RT: 6.99 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: VY000722.D
 Acq: 18 Nov 2019 13:28

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1118SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	56817		
61	144.2	0.0	287.0	
98	62.0	0.0	129.4	

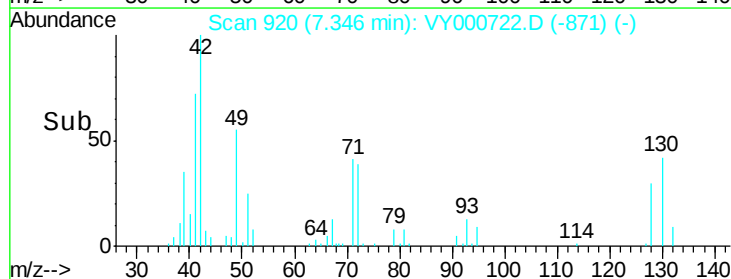
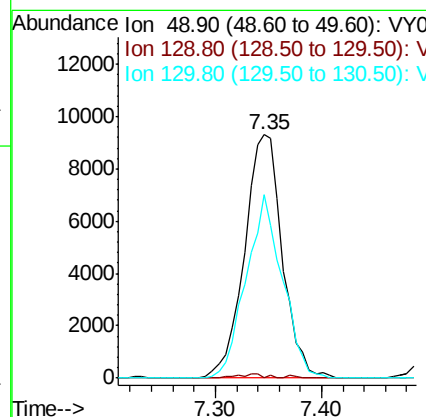
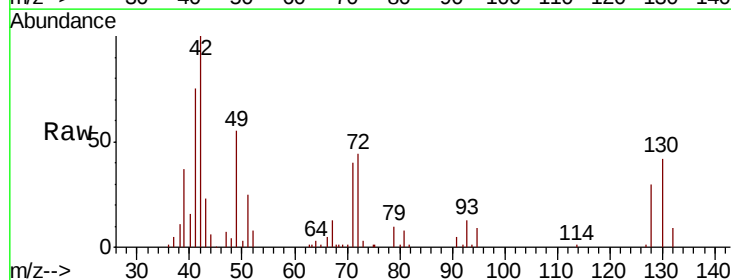
Manual Integrations
 APPROVED

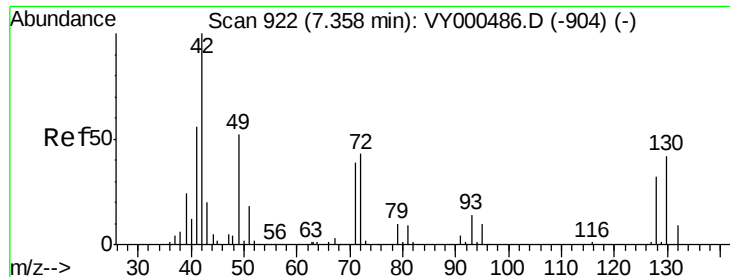
MMDADODA
 11/19/2019 12:21:31 PM



#28
 Bromochloromethane
 Concen: 14.881 ug/l
 RT: 7.35 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VY000722.D
 Acq: 18 Nov 2019 13:28

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	23206		
129	1.1	0.0	3.6	
130	72.5	59.4	89.0	





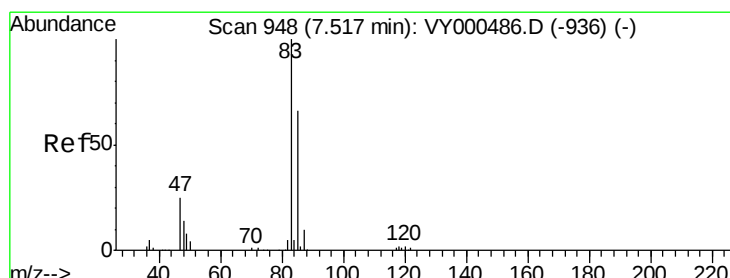
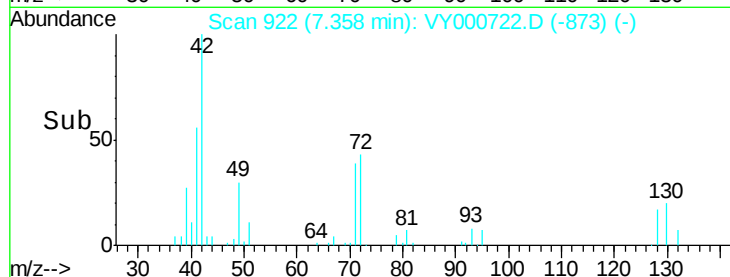
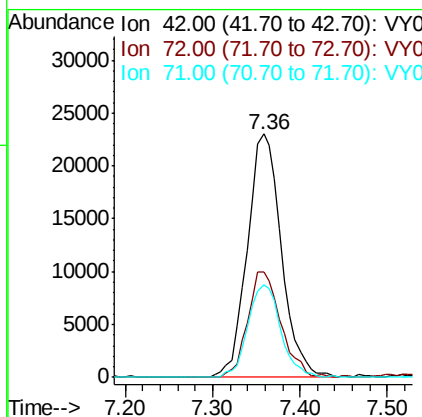
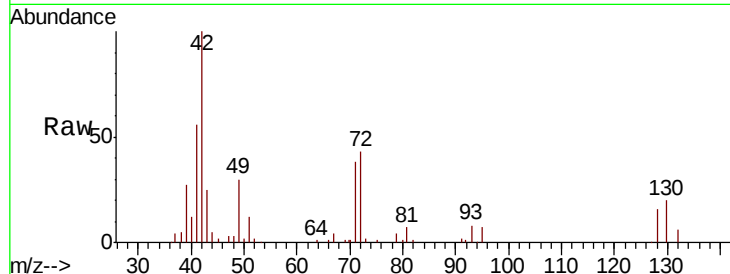
#29
Tetrahydrofuran
Concen: 98.979 ug/l
RT: 7.36 min Scan# 922
Delta R.T. -0.00 min
Lab File: VY000722.D
Acq: 18 Nov 2019 13:28

Instrument :
MSVOA_Y
ClientSampleId :
VY1118SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.1	34.0	51.0
71	36.8	30.8	46.2

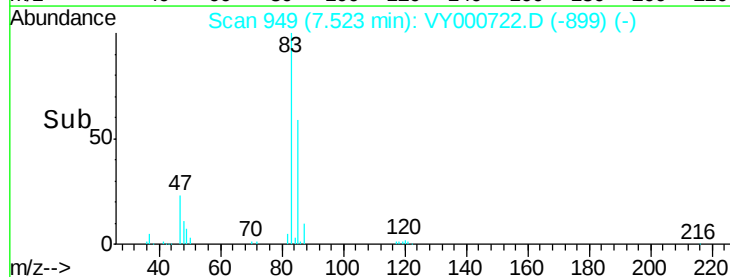
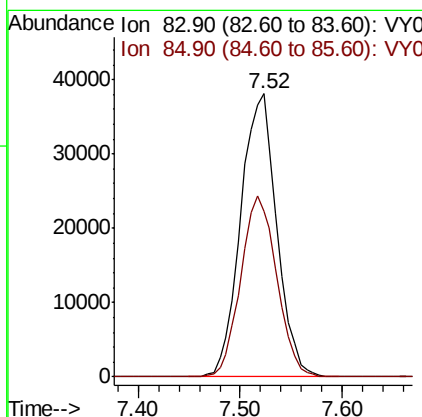
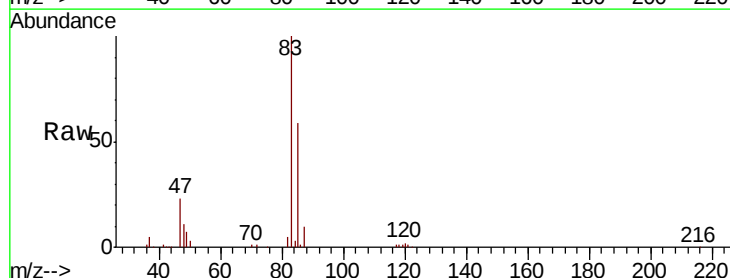
Manual Integrations
APPROVED

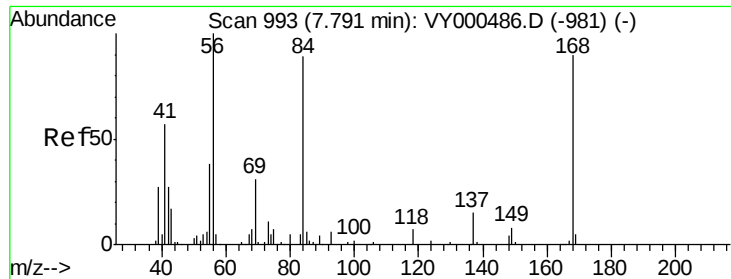
MMDADODA
11/19/2019 12:21:31 PM



#30
Chloroform
Concen: 21.385 ug/l
RT: 7.52 min Scan# 949
Delta R.T. 0.01 min
Lab File: VY000722.D
Acq: 18 Nov 2019 13:28

Tgt Ion	Ratio	Lower	Upper
83	100		
85	58.7	53.0	79.4





#31

Cyclohexane

Concen: 19.120 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.01 min

Lab File: VY000722.D

Acq: 18 Nov 2019 13:28

Instrument :

MSVOA_Y

ClientSampleId :

VY1118SBS01

Tot Ion: 56 Resp: 86716

Ion Ratio Lower Upper

56 100

69 35.7 25.0 37.6

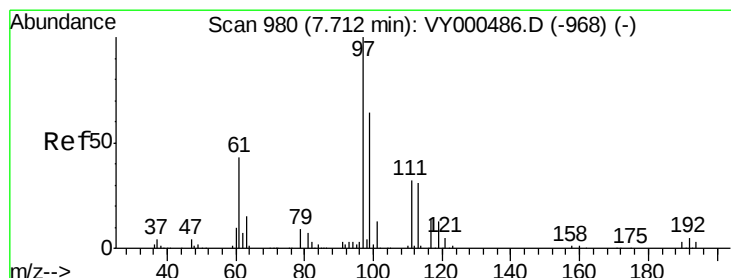
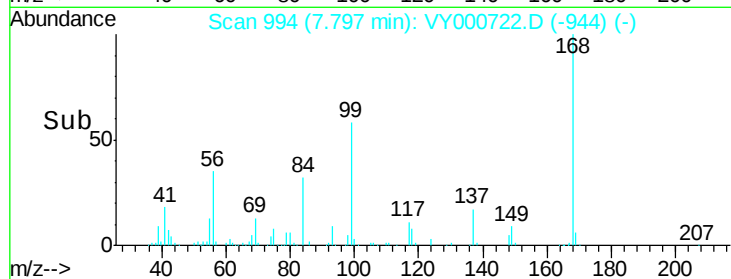
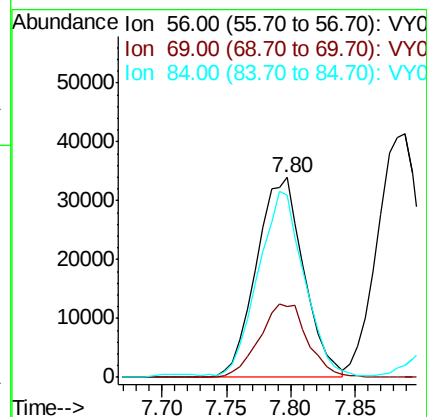
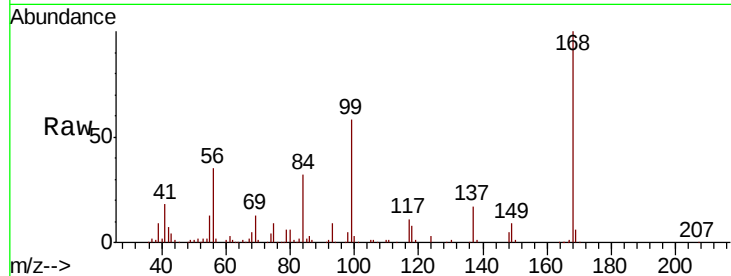
84 89.7 71.4 107.2

Manual Integrations

APPROVED

MMDADODA

11/19/2019 12:21:31 PM



#32

1,1,1-Trichloroethane

Concen: 19.964 ug/l

RT: 7.71 min Scan# 980

Delta R.T. -0.00 min

Lab File: VY000722.D

Acq: 18 Nov 2019 13:28

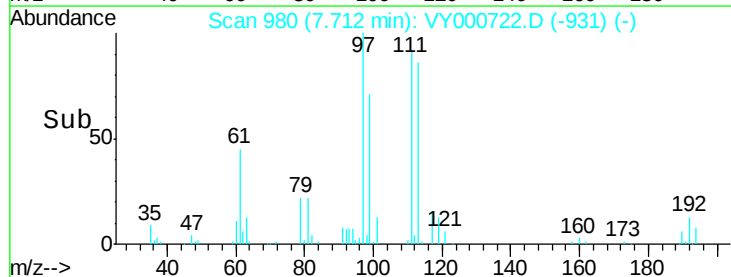
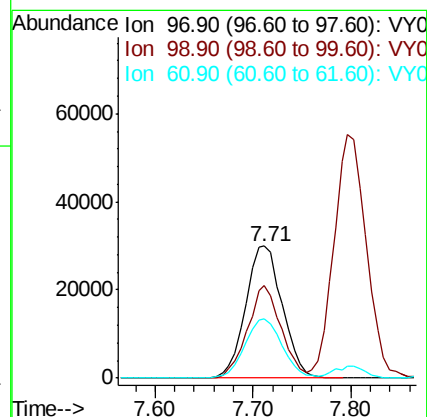
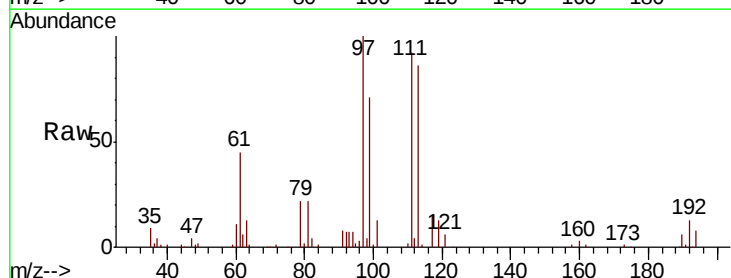
Tgt Ion: 97 Resp: 77942

Ion Ratio Lower Upper

97 100

99 64.4 50.9 76.3

61 45.5 34.9 52.3





#33

1,2-Dichloroethane-d4

Concen: 53.406 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.00 min

Lab File: VY000722.D

Acq: 18 Nov 2019 13:28

Instrument :

MSVOA_Y

ClientSampleId :

VY1118SBS01

Tot Ion: 65 Resp: 125134

Ion Ratio Lower Upper

65 100

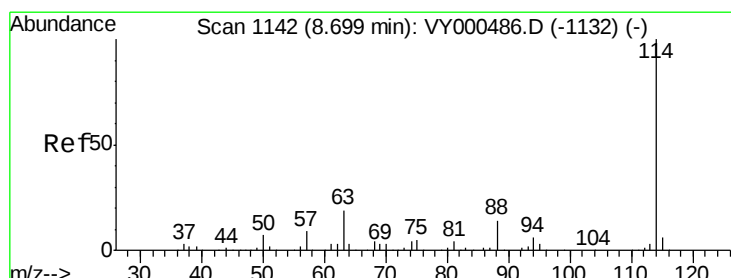
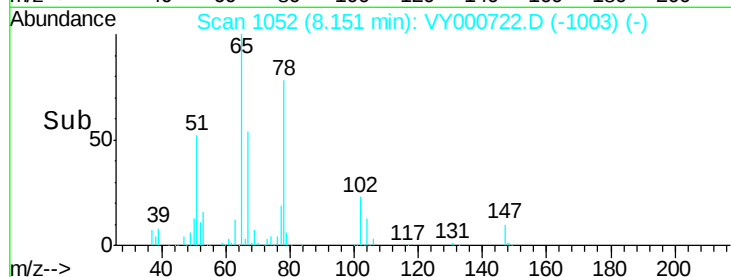
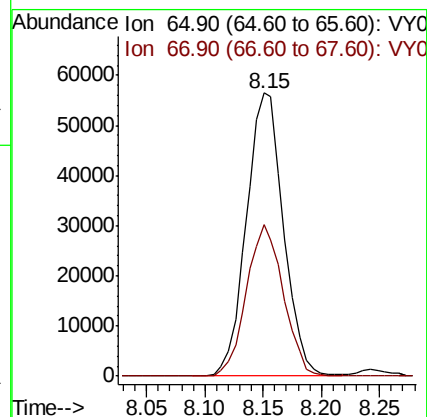
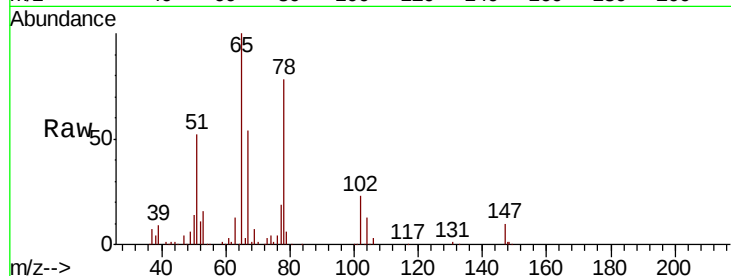
67 53.1 0.0 107.2

Manual Integrations

APPROVED

MMDADODA

11/19/2019 12:21:31 PM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.70 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VY000722.D

Acq: 18 Nov 2019 13:28

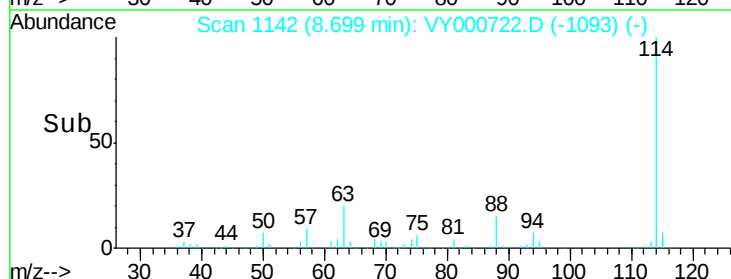
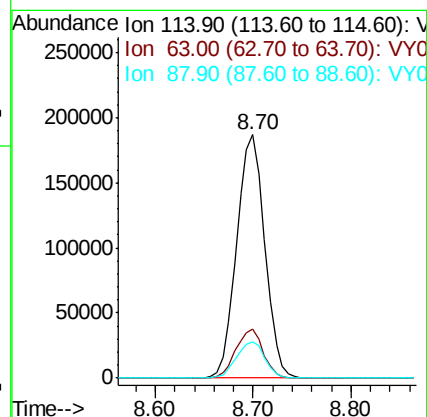
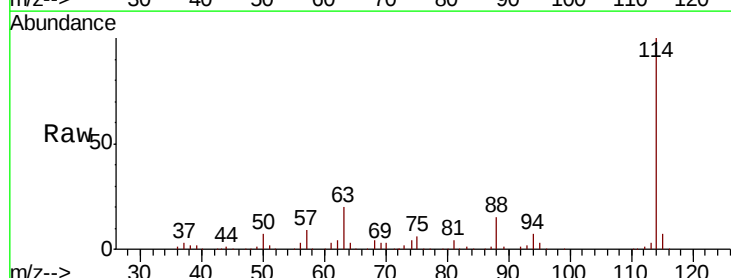
Tgt Ion: 114 Resp: 372501

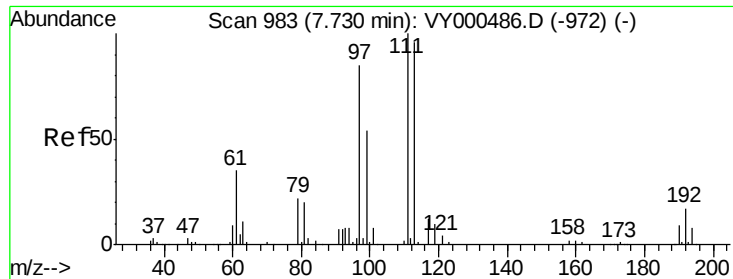
Ion Ratio Lower Upper

114 100

63 20.3 0.0 38.0

88 14.7 0.0 28.6





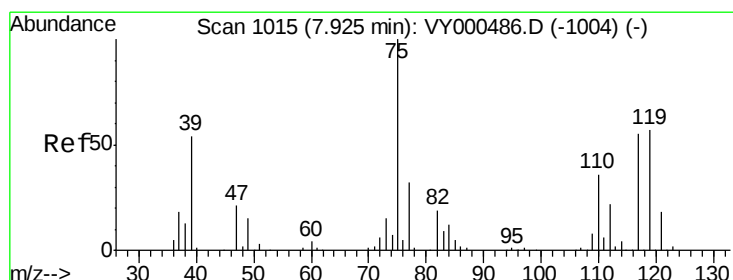
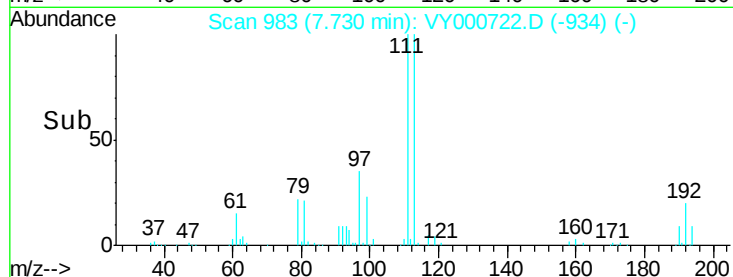
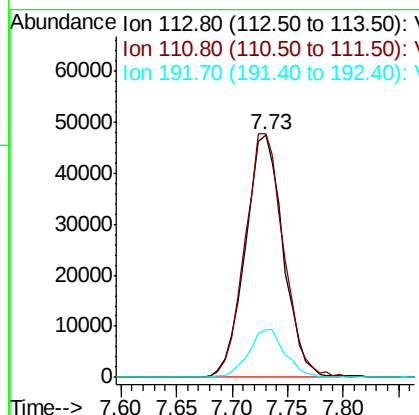
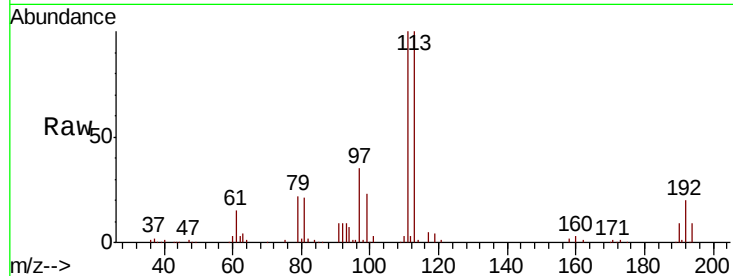
#35
 Dibromofluoromethane
 Concen: 51.431 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. -0.00 min
 Lab File: VY000722.D
 Acq: 18 Nov 2019 13:28

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1118SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	112470		
111	102.5	81.7	122.5	
192	19.2	15.0	22.4	

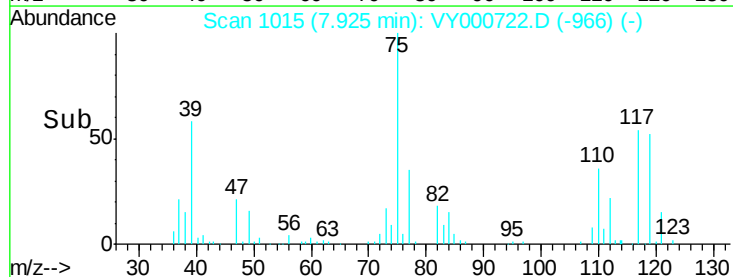
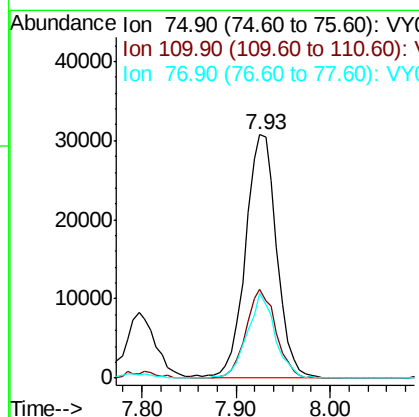
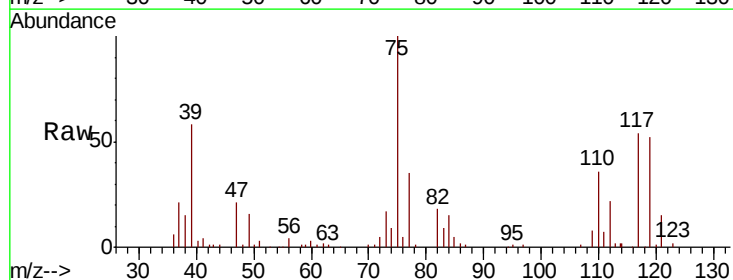
Manual Integrations
 APPROVED

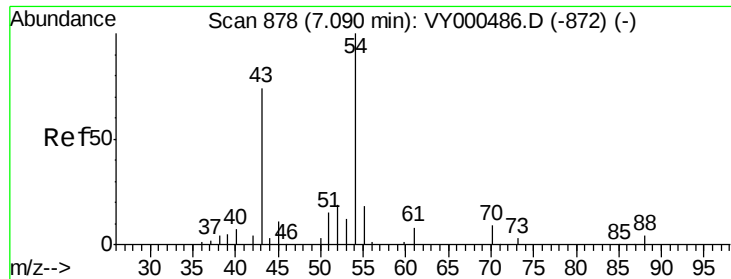
MMDADODA
 11/19/2019 12:21:31 PM



#36
 1,1-Dichloropropene
 Concen: 20.307 ug/l
 RT: 7.93 min Scan# 1015
 Delta R.T. -0.00 min
 Lab File: VY000722.D
 Acq: 18 Nov 2019 13:28

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	71511		
110	34.9	18.1	54.1	
77	31.2	25.0	37.6	





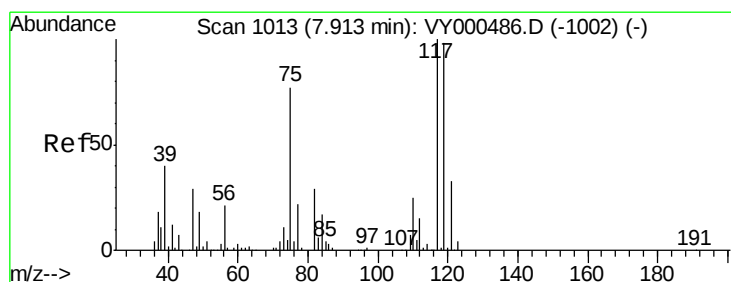
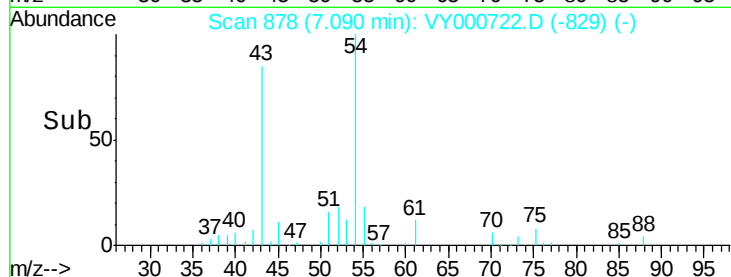
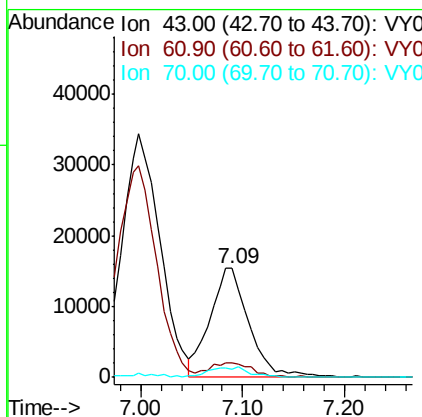
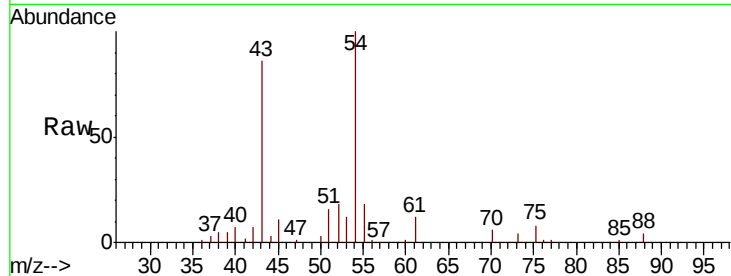
#37
Ethyl Acetate
Concen: 19.599 ug/l
RT: 7.09 min Scan# 878
Delta R.T. -0.00 min
Lab File: VY000722.D
Acq: 18 Nov 2019 13:28

Instrument :
MSVOA_Y
ClientSampleId :
VY1118SBS01

Tot Ion: 43 Resp: 40976
Ion Ratio Lower Upper
43 100
61 14.7 10.2 15.2
70 10.0 7.8 11.8

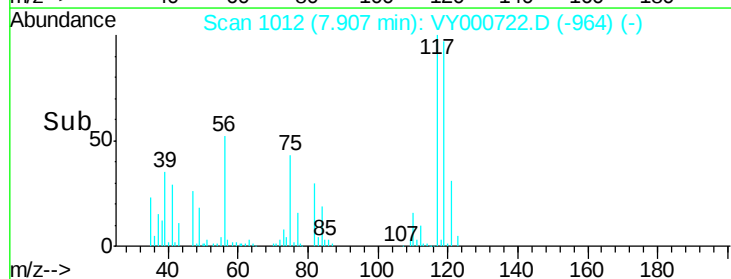
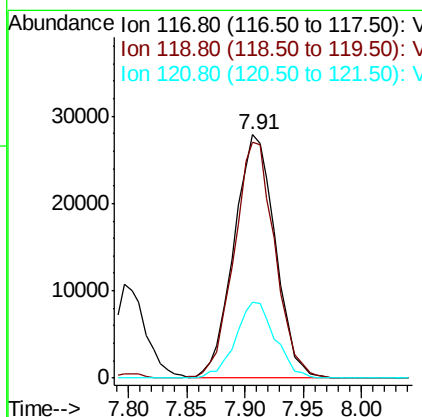
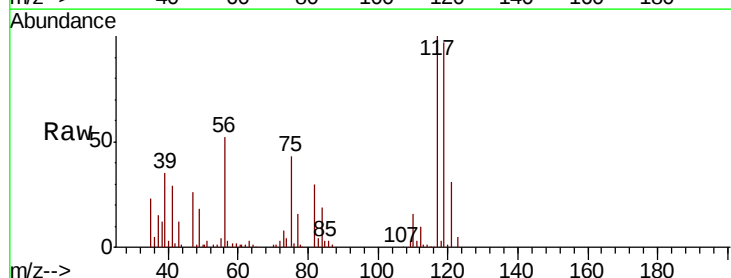
Manual Integrations
APPROVED

MMDADODA
11/19/2019 12:21:31 PM



#38
Carbon Tetrachloride
Concen: 20.328 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. -0.01 min
Lab File: VY000722.D
Acq: 18 Nov 2019 13:28

Tgt Ion: 117 Resp: 68879
Ion Ratio Lower Upper
117 100
119 97.1 78.0 117.0
121 31.1 26.6 40.0





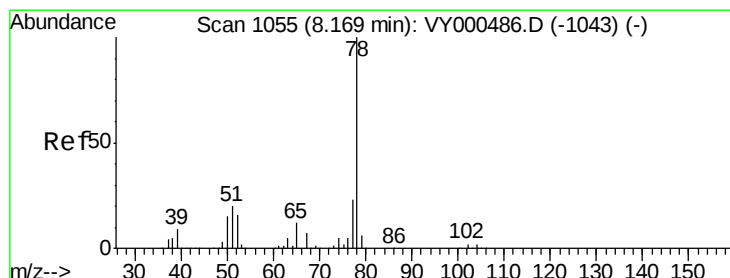
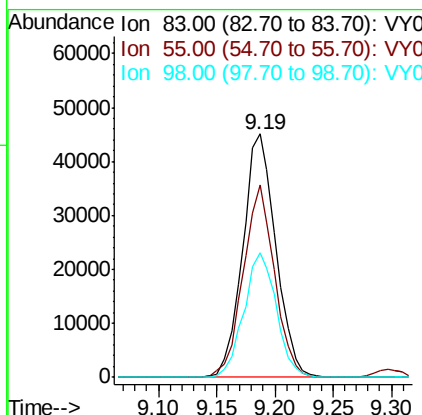
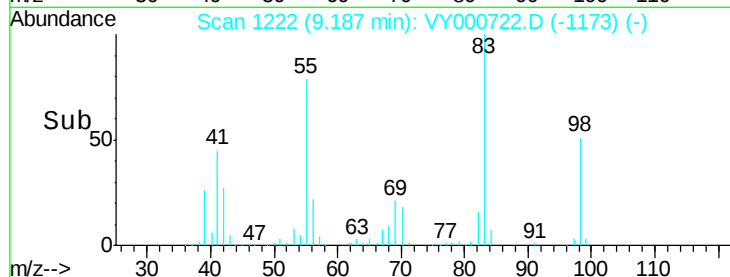
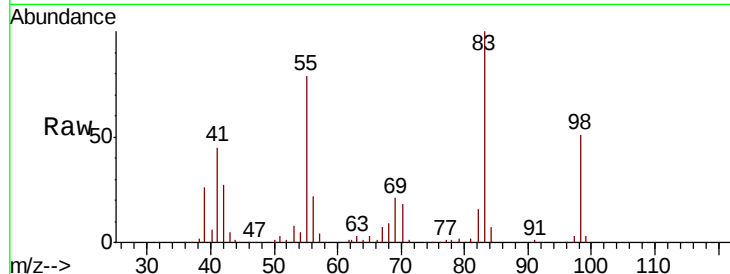
#39
Methvlcvclohexane
Concen: 19.607 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.00 min
Lab File: VY000722.D
Acq: 18 Nov 2019 13:28

Instrument :
MSVOA_Y
ClientSampleId :
VY1118SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.2	57.5	86.3
98	51.4	38.0	57.0

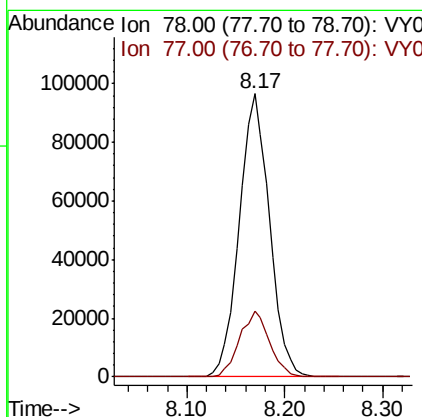
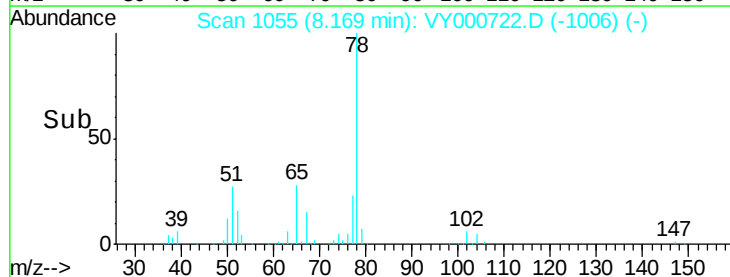
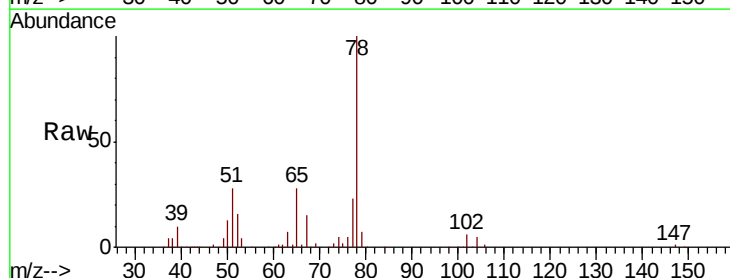
Manual Integrations
APPROVED

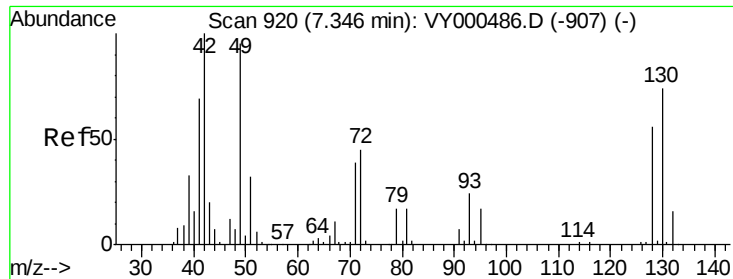
MMDADODA
11/19/2019 12:21:31 PM



#40
Benzene
Concen: 20.038 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. -0.00 min
Lab File: VY000722.D
Acq: 18 Nov 2019 13:28

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	18.6	28.0





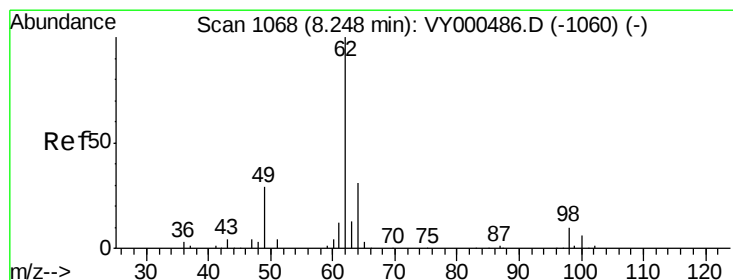
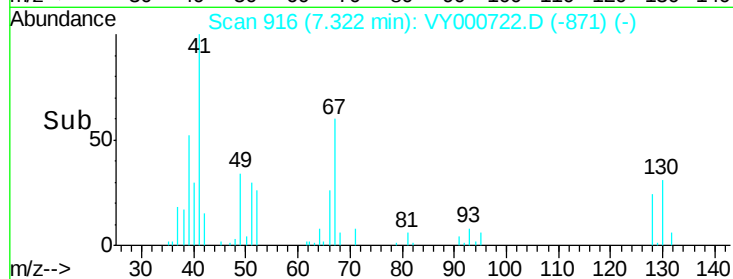
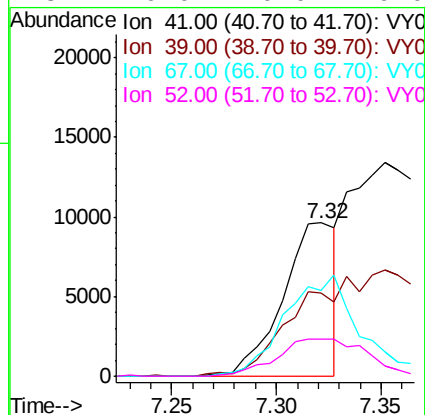
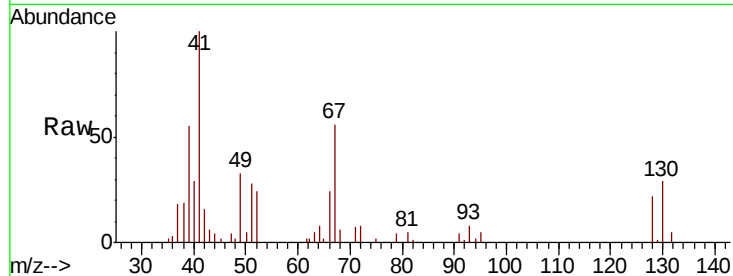
#41
Methacrylonitrile
Concen: 14.704 ug/l m
RT: 7.32 min Scan# 916
Delta R.T. -0.02 min
Lab File: VY000722.D
Acq: 18 Nov 2019 13:28

Instrument :
MSVOA_Y
ClientSampleId :
VY1118SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	161.9	68.2	102.4#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

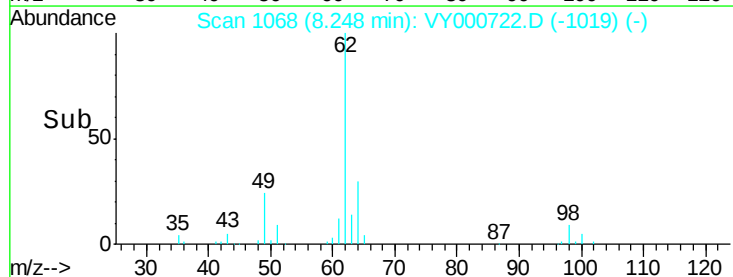
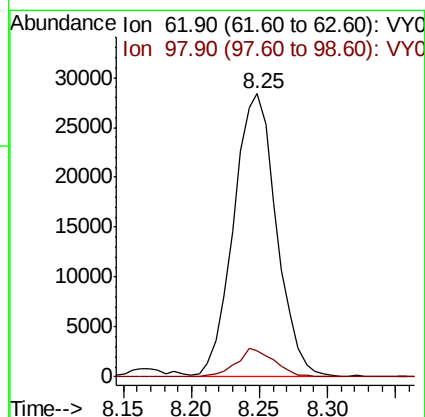
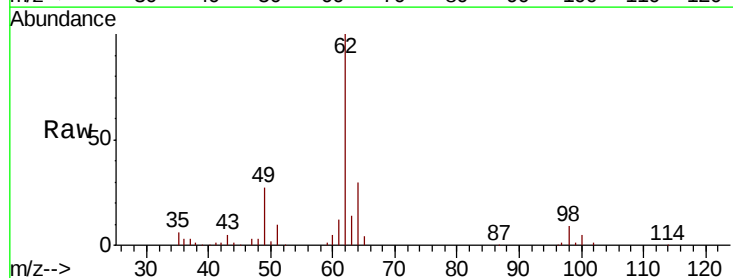
Manual Integrations
APPROVED

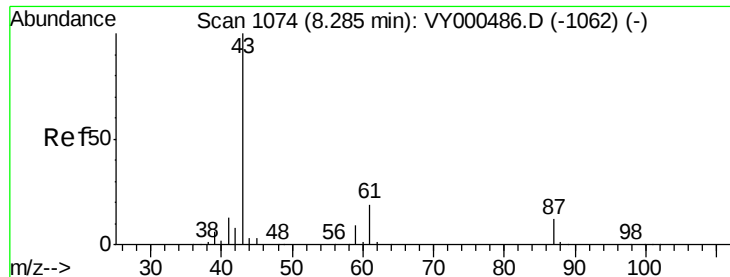
MMDADODA
11/19/2019 12:21:31 PM



#42
1,2-Dichloroethane
Concen: 21.307 ug/l
RT: 8.25 min Scan# 1068
Delta R.T. -0.00 min
Lab File: VY000722.D
Acq: 18 Nov 2019 13:28

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	19.2





#43

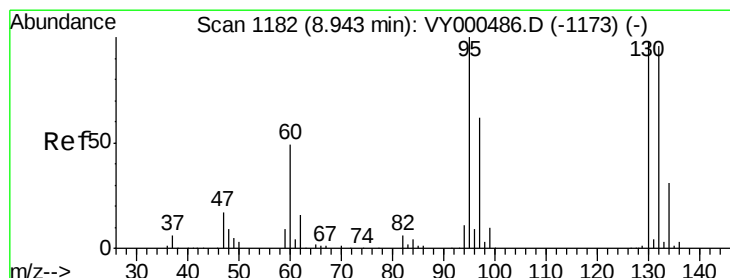
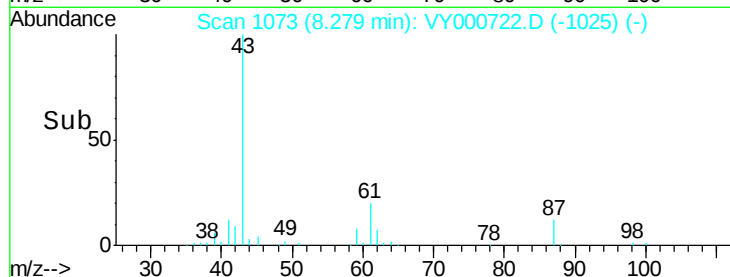
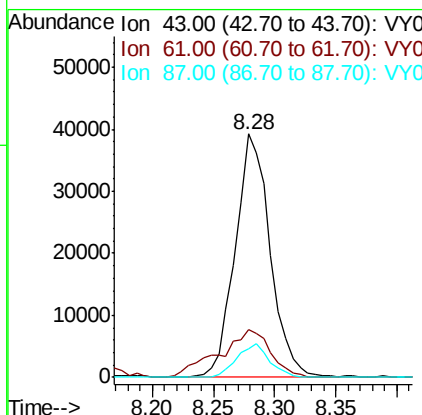
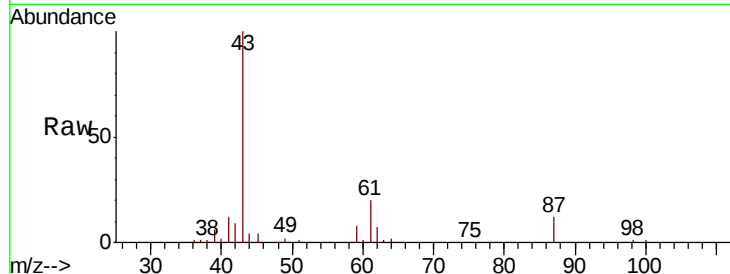
Isopropyl Acetate
 Concen: 19.719 ug/l
 RT: 8.28 min Scan# 1073
 Delta R.T. -0.01 min
 Lab File: VY000722.D
 Acq: 18 Nov 2019 13:28

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1118SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.0	23.0	34.4
87	13.2	10.5	15.7

Manual Integrations
 APPROVED

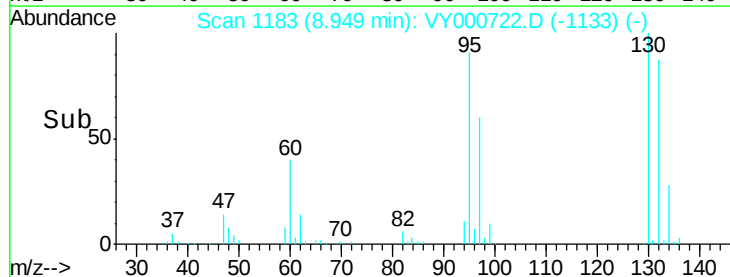
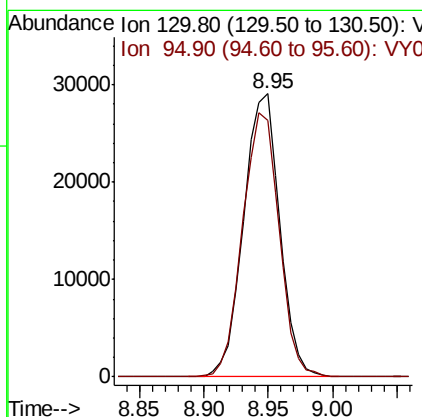
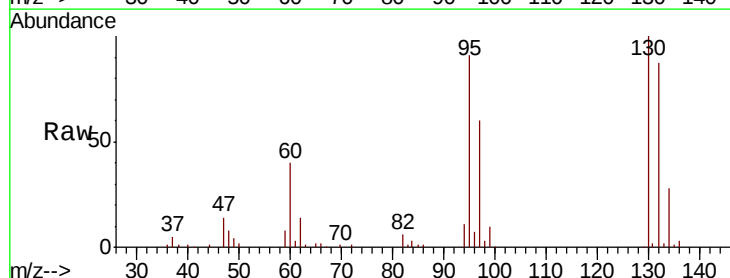
MMDADODA
 11/19/2019 12:21:31 PM

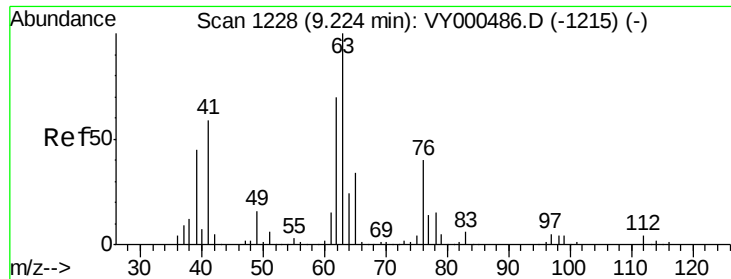


#44

Trichloroethene
 Concen: 20.634 ug/l
 RT: 8.95 min Scan# 1183
 Delta R.T. 0.01 min
 Lab File: VY000722.D
 Acq: 18 Nov 2019 13:28

Tgt Ion	Ratio	Lower	Upper
130	100		
95	90.7	0.0	203.2





#45

1,2-Dichloropropane

Concen: 20.875 ug/l

RT: 9.22 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VY000722.D

Acq: 18 Nov 2019 13:28

Instrument :

MSVOA_Y

ClientSampleId :

VY1118SBS01

Tot Ion: 63 Resp: 53042

Ion Ratio Lower Upper

63 100

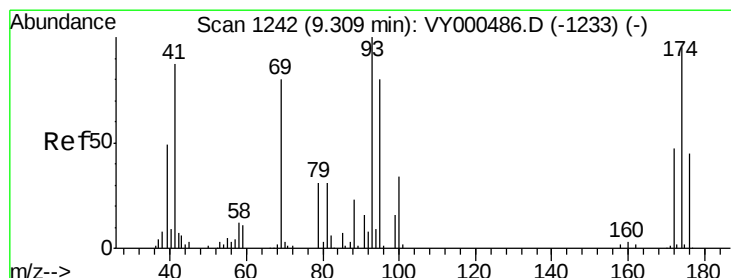
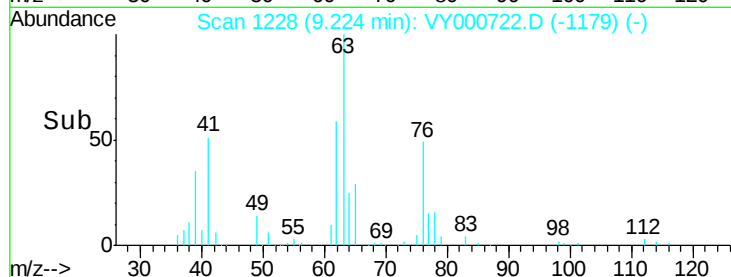
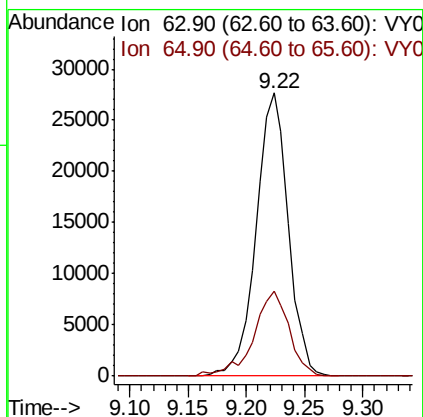
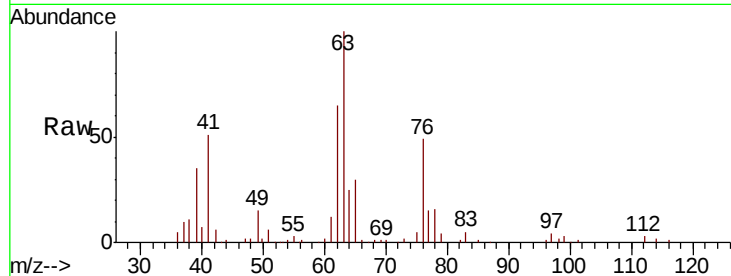
65 29.8 27.0 40.4

Manual Integrations

APPROVED

MMDADODA

11/19/2019 12:21:31 PM



#46

Dibromomethane

Concen: 20.014 ug/l

RT: 9.31 min Scan# 1242

Delta R.T. -0.00 min

Lab File: VY000722.D

Acq: 18 Nov 2019 13:28

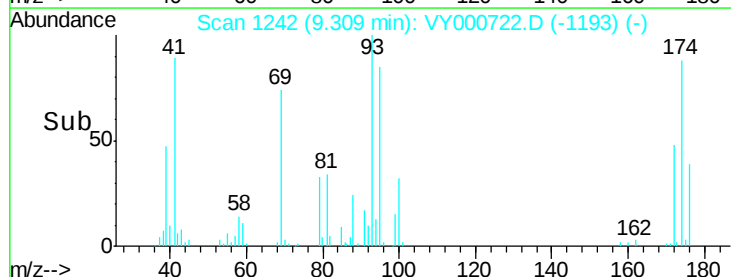
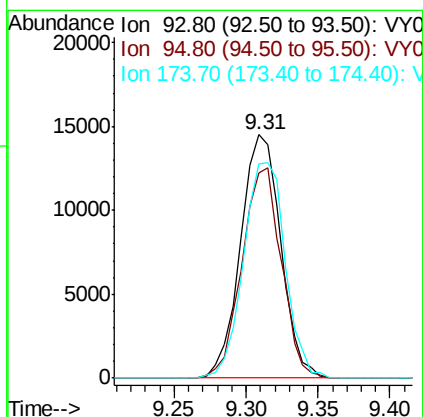
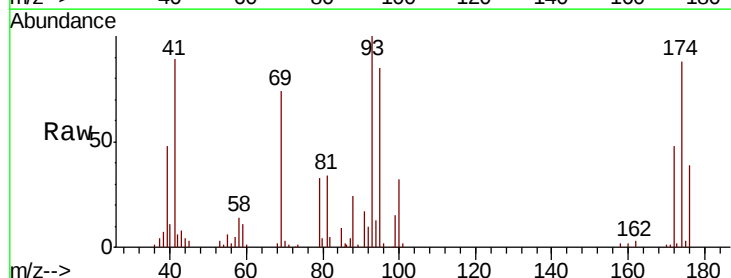
Tgt Ion: 93 Resp: 27968

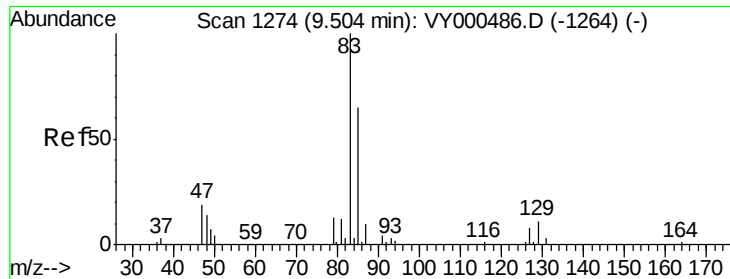
Ion Ratio Lower Upper

93 100

95 84.6 66.4 99.6

174 91.7 77.1 115.7





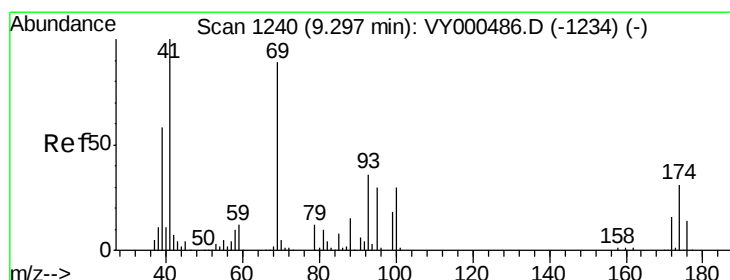
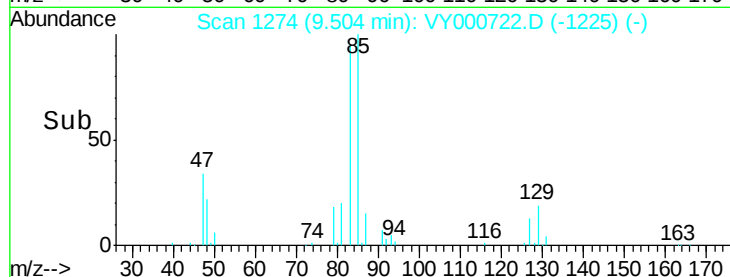
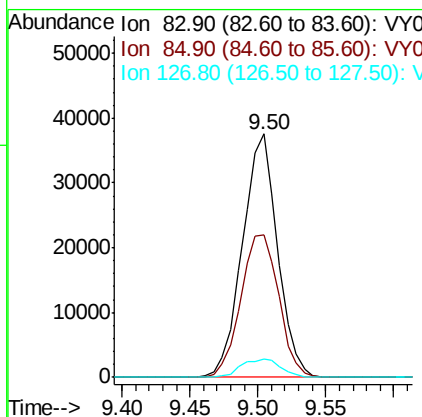
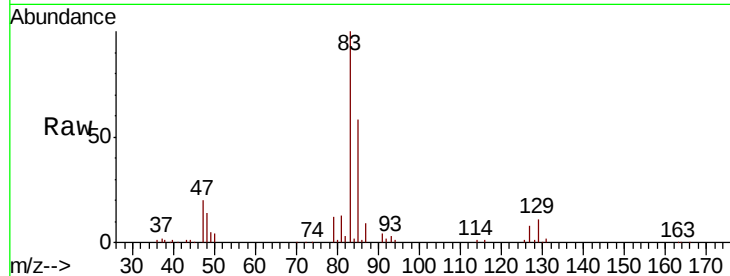
#47
Bromodichloromethane
Concen: 20.376 ug/l
RT: 9.50 min Scan# 1274
Delta R.T. -0.00 min
Lab File: VY000722.D
Acq: 18 Nov 2019 13:28

Instrument :
MSVOA_Y
ClientSampleId :
VY1118SBS01

Tot Ion	83	Resp	67564
Ion Ratio	100	Lower	Upper
83	100		
85	58.3	51.8	77.8
127	7.6	6.7	10.1

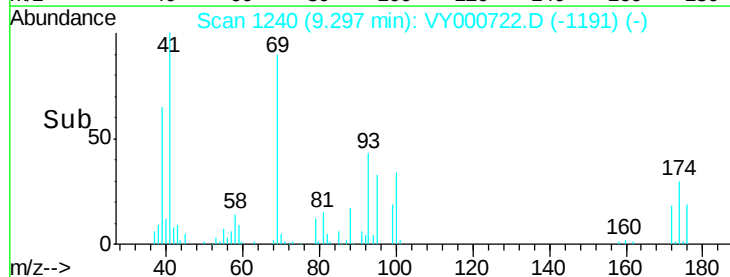
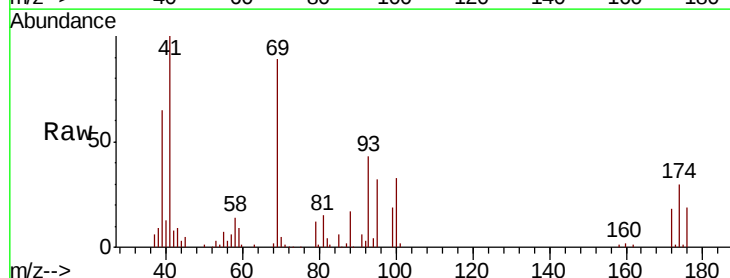
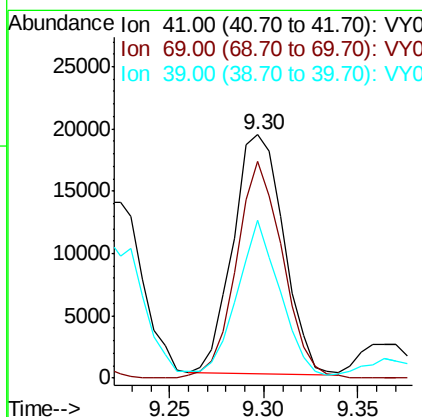
Manual Integrations
APPROVED

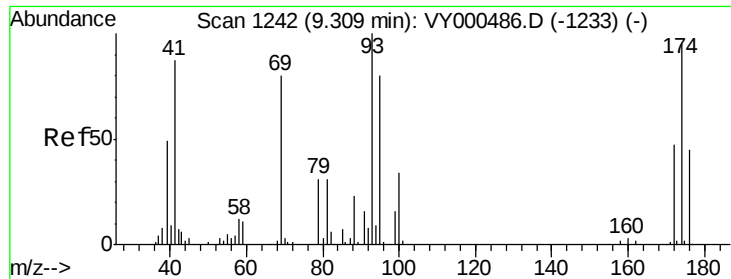
MMDADODA
11/19/2019 12:21:31 PM



#48
Methyl methacrylate
Concen: 21.035 ug/l
RT: 9.30 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VY000722.D
Acq: 18 Nov 2019 13:28

Tgt Ion	41	Resp	36096
Ion Ratio	100	Lower	Upper
41	100		
69	82.4	72.5	108.7
39	54.0	47.8	71.8





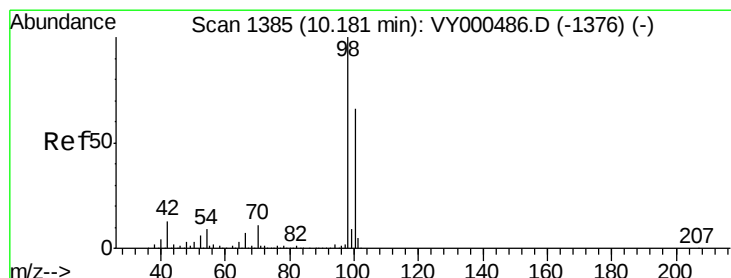
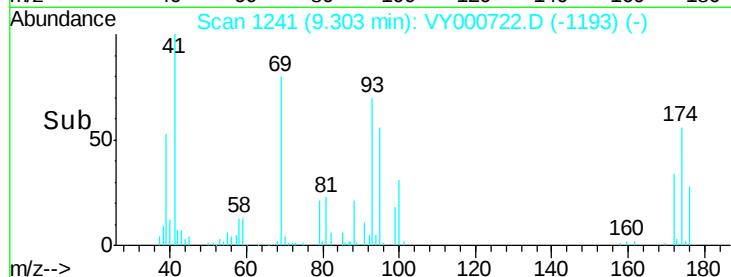
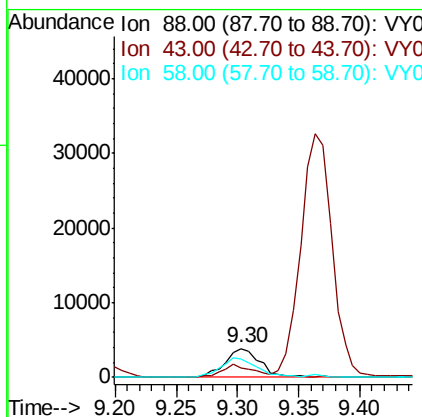
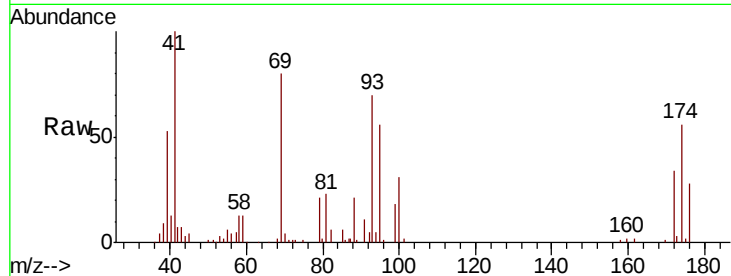
#49
 1,4-Dioxane
 Concen: 410.959 ug/l
 RT: 9.30 min Scan# 1241
 Delta R.T. -0.01 min
 Lab File: VY000722.D
 Acq: 18 Nov 2019 13:28

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1118SBS01

Tot Ion	88	Resp	7729
Ion	Ratio	Lower	Upper
88	100		
43	40.5	25.1	37.7#
58	69.6	50.6	75.8

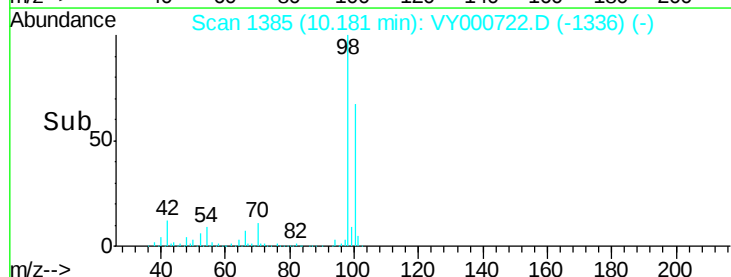
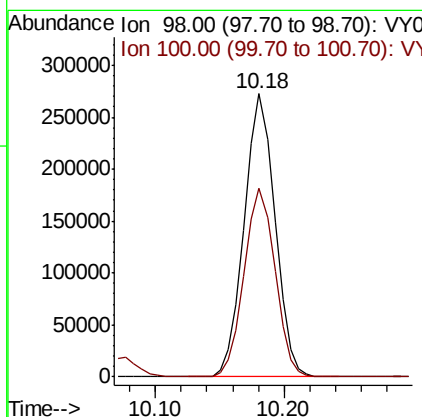
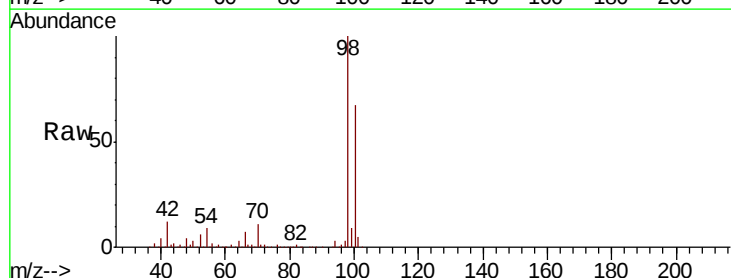
Manual Integrations
 APPROVED

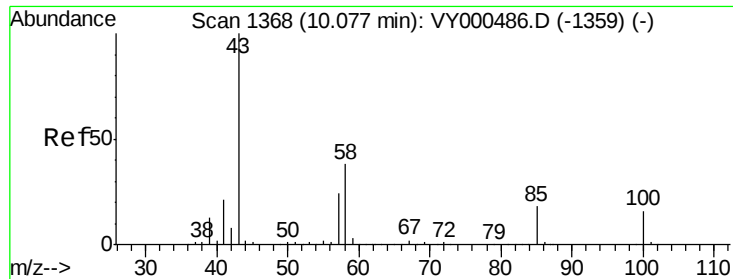
MMDADODA
 11/19/2019 12:21:31 PM



#50
 Toluene-d8
 Concen: 54.167 ug/l
 RT: 10.18 min Scan# 1385
 Delta R.T. -0.00 min
 Lab File: VY000722.D
 Acq: 18 Nov 2019 13:28

Tgt Ion	98	Resp	449466
Ion	Ratio	Lower	Upper
98	100		
100	67.1	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 97.439 ug/l

RT: 10.07 min Scan# 1367

Delta R.T. -0.01 min

Lab File: VY000722.D

Acq: 18 Nov 2019 13:28

Instrument :

MSVOA_Y

ClientSampleId :

VY1118SBS01

Tot Ion: 43 Resp: 203461

Ion Ratio Lower Upper

43 100

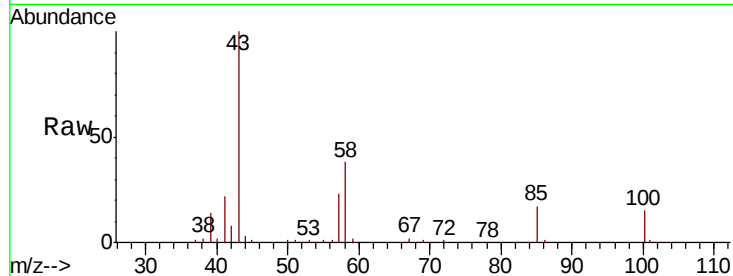
58 38.2 30.2 45.4

Manual Integrations

APPROVED

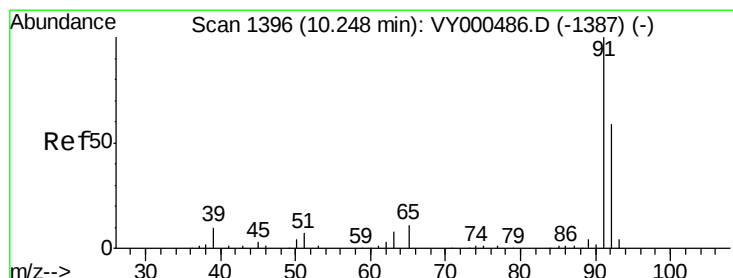
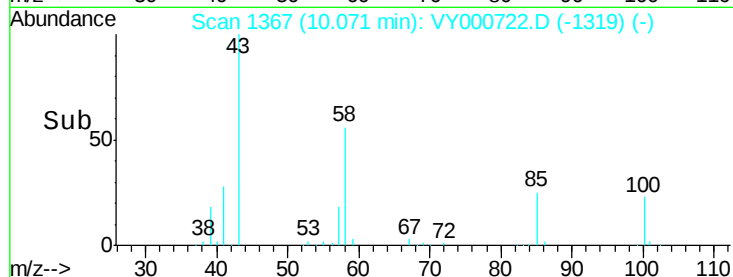
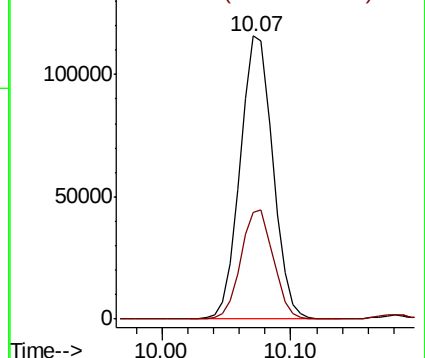
MMDADODA

11/19/2019 12:21:31 PM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#52

Toluene

Concen: 19.982 ug/l

RT: 10.25 min Scan# 1396

Delta R.T. -0.00 min

Lab File: VY000722.D

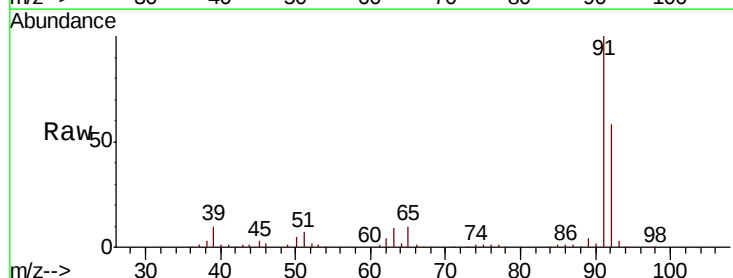
Acq: 18 Nov 2019 13:28

Tgt Ion: 92 Resp: 130428

Ion Ratio Lower Upper

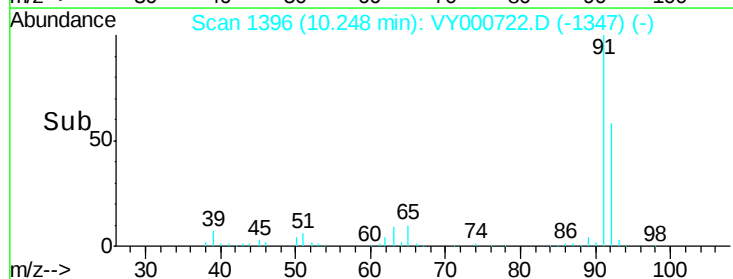
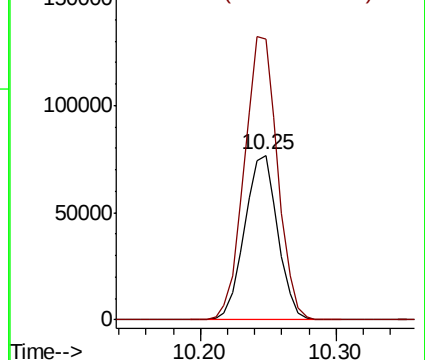
92 100

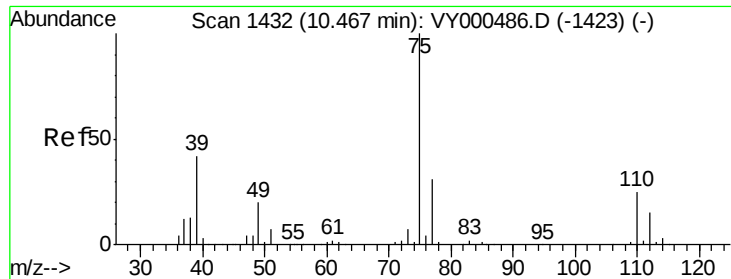
91 172.6 136.3 204.5



Abundance Ion 92.00 (91.70 to 92.70): VY0

Ion 91.00 (90.70 to 91.70): VY0





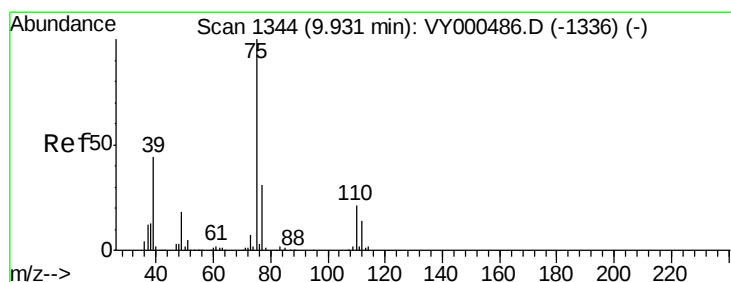
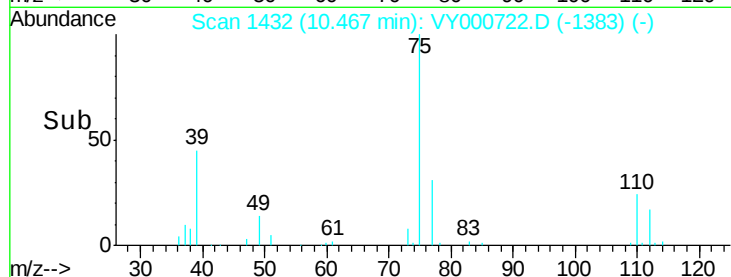
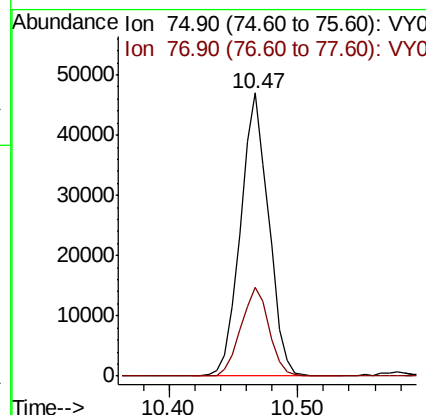
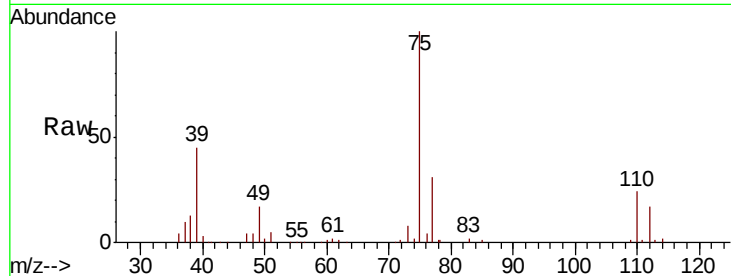
#53
t-1,3-Dichloropropene
Concen: 20.033 ug/l
RT: 10.47 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VY000722.D
Acq: 18 Nov 2019 13:28

Instrument :
MSVOA_Y
ClientSampleId :
VY1118SBS01

Tot Ion: 75 Resp: 70977
Ion Ratio Lower Upper
75 100
77 31.4 24.6 37.0

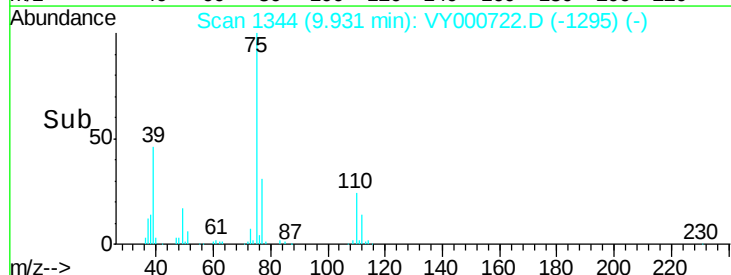
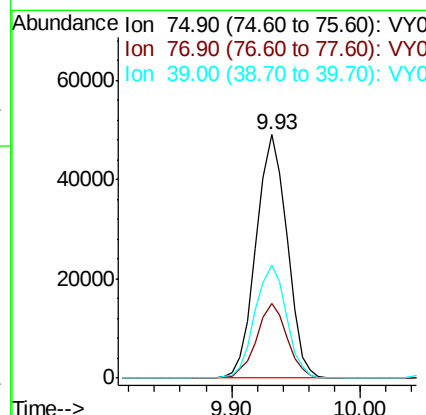
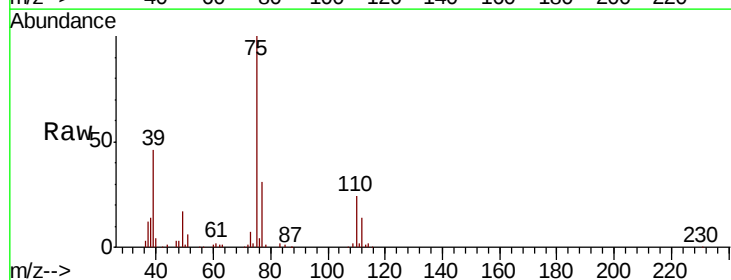
Manual Integrations
APPROVED

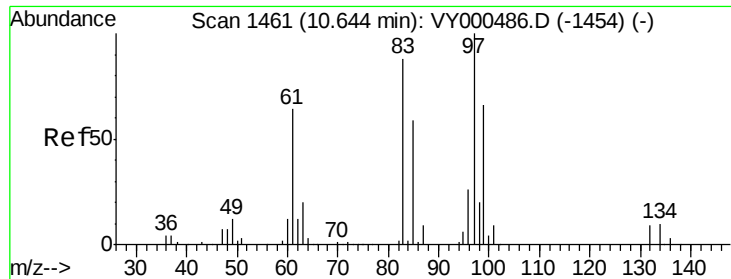
MMDADODA
11/19/2019 12:21:31 PM



#54
cis-1,3-Dichloropropene
Concen: 20.066 ug/l
RT: 9.93 min Scan# 1344
Delta R.T. -0.00 min
Lab File: VY000722.D
Acq: 18 Nov 2019 13:28

Tgt Ion: 75 Resp: 81443
Ion Ratio Lower Upper
75 100
77 30.8 24.5 36.7
39 46.1 35.4 53.2





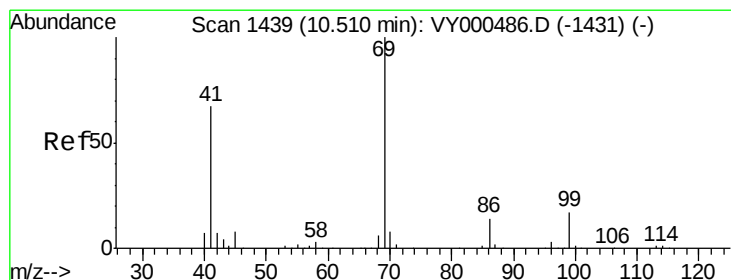
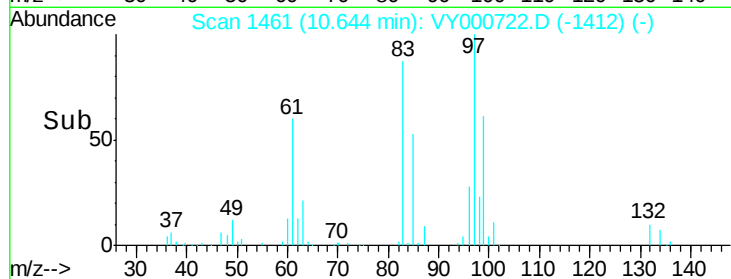
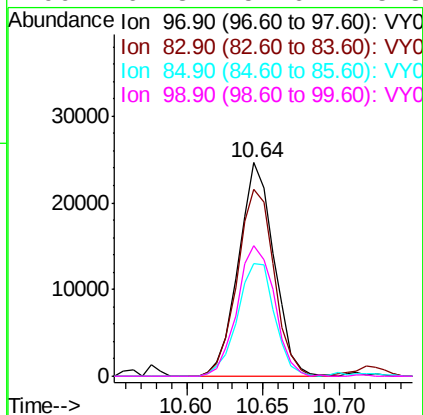
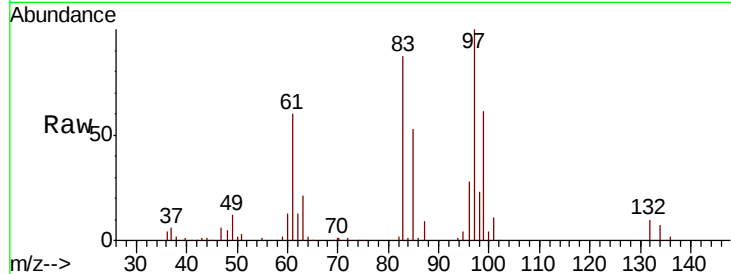
#55
 1,1,2-Trichloroethane
 Concen: 19.716 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. -0.00 min
 Lab File: VY000722.D
 Acq: 18 Nov 2019 13:28

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1118SBS01

Tot Ion:	97	Resp:	39851
Ion	Ratio	Lower	Upper
97	100		
83	87.3	70.2	105.4
85	52.7	46.9	70.3
99	61.3	52.6	78.8

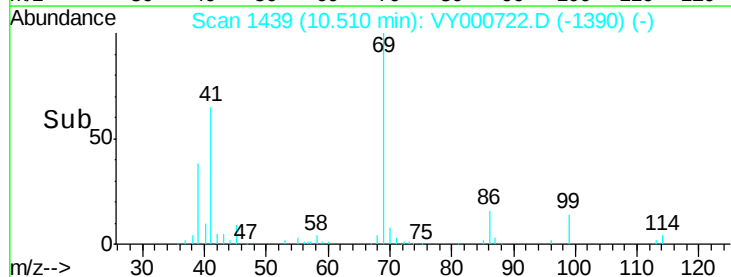
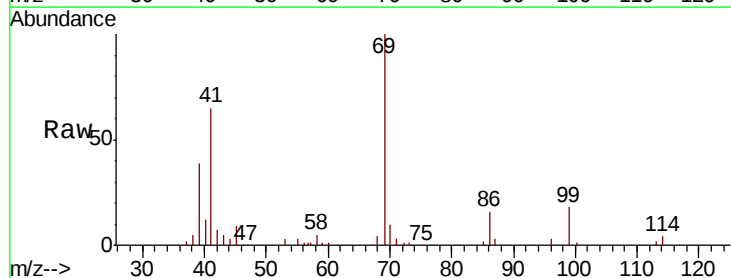
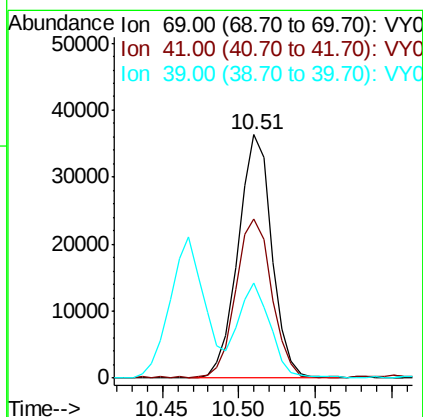
Manual Integrations
 APPROVED

MMDADODA
 11/19/2019 12:21:31 PM



#56
 Ethyl methacrylate
 Concen: 19.433 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. -0.00 min
 Lab File: VY000722.D
 Acq: 18 Nov 2019 13:28

Tgt Ion:	69	Resp:	55670
Ion	Ratio	Lower	Upper
69	100		
41	69.6	53.3	79.9
39	36.6	28.0	42.0





#57

1,3-Dichloropropane

Concen: 20.549 ug/l

RT: 10.79 min Scan# 1485

Delta R.T. -0.00 min

Lab File: VY000722.D

Acq: 18 Nov 2019 13:28

Instrument :

MSVOA_Y

ClientSampleId :

VY1118SBS01

Tot Ion: 76 Resp: 72692

Ion Ratio Lower Upper

76 100

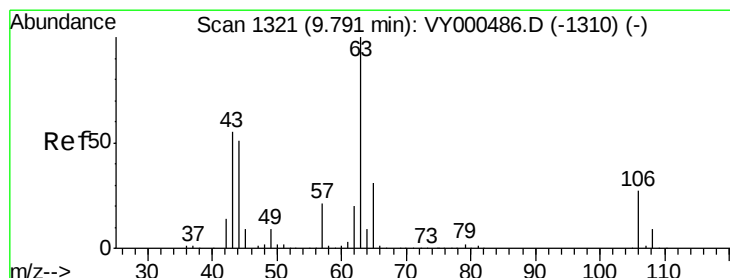
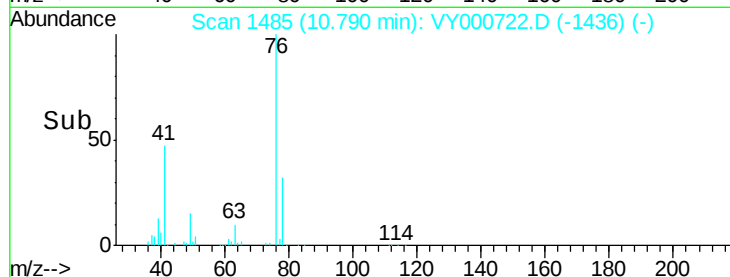
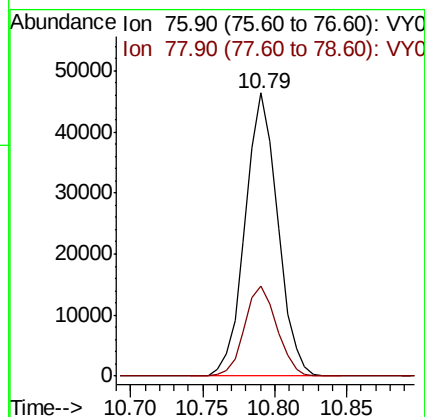
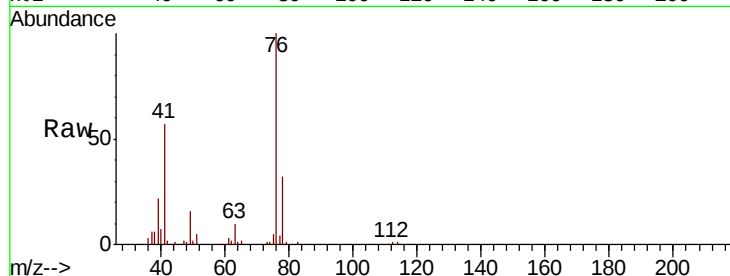
78 31.6 25.2 37.8

Manual Integrations

APPROVED

MMDADODA

11/19/2019 12:21:31 PM



#58

2-Chloroethyl Vinyl ether

Concen: 98.549 ug/l

RT: 9.78 min Scan# 1320

Delta R.T. -0.01 min

Lab File: VY000722.D

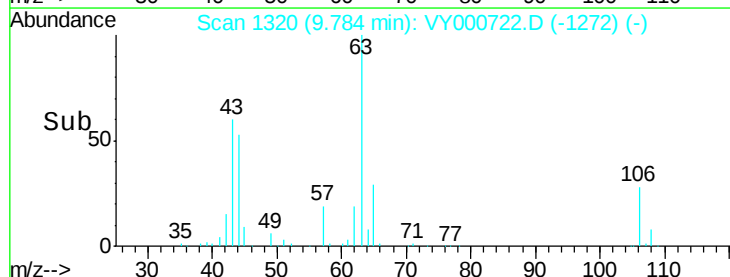
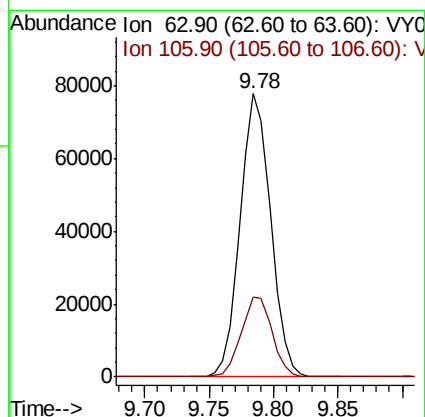
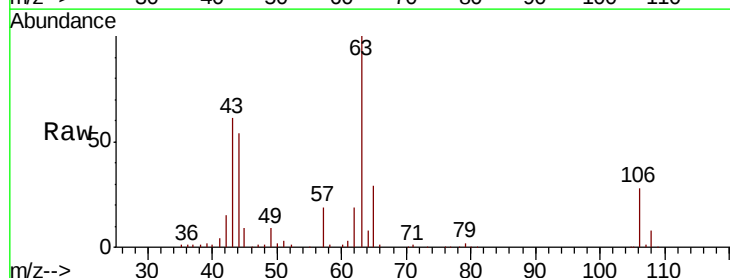
Acq: 18 Nov 2019 13:28

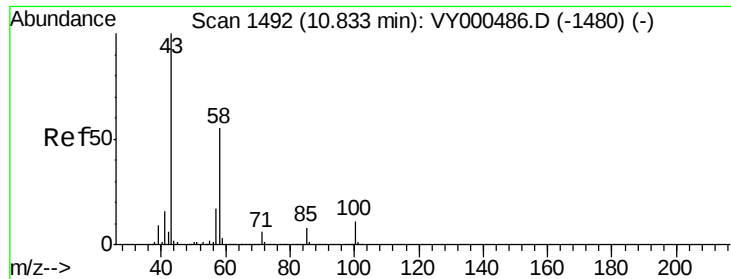
Tgt Ion: 63 Resp: 127632

Ion Ratio Lower Upper

63 100

106 28.3 22.6 33.8





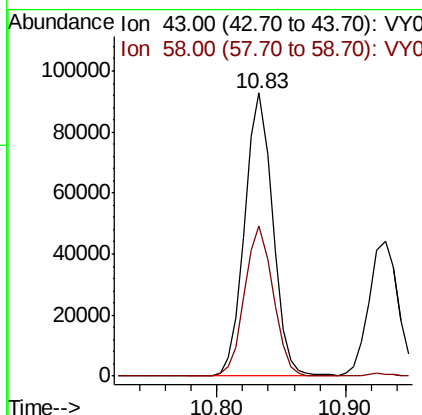
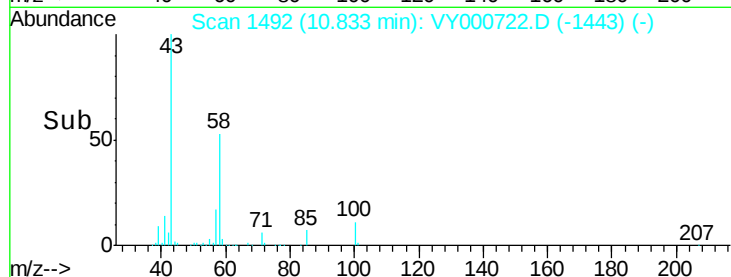
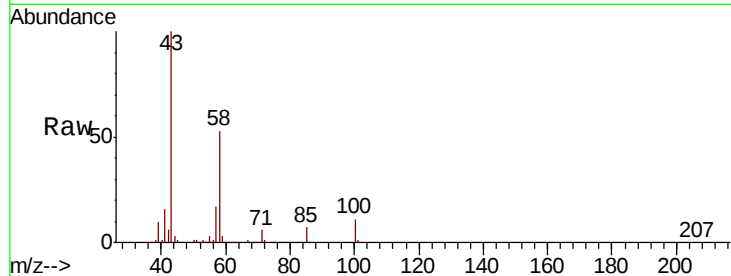
#59
2-Hexanone
Concen: 91.726 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VY000722.D
Acq: 18 Nov 2019 13:28

Instrument :
MSVOA_Y
ClientSampleId :
VY1118SBS01

Tot Ion: 43 Resp: 139549
Ion Ratio Lower Upper
43 100
58 54.3 27.1 81.3

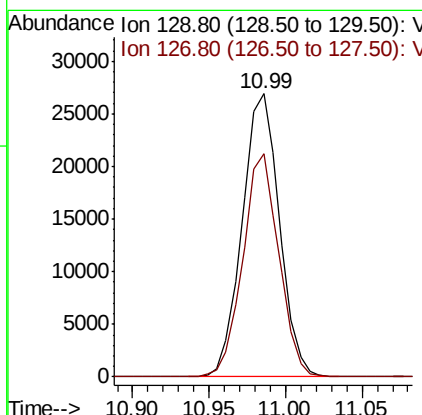
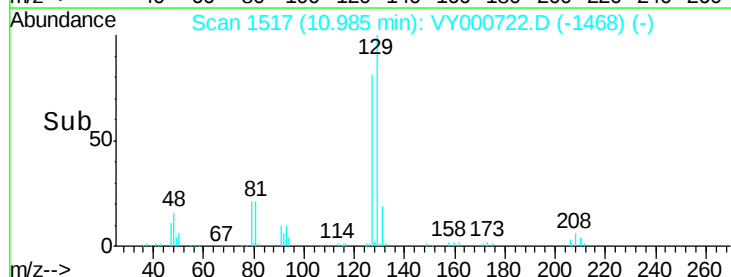
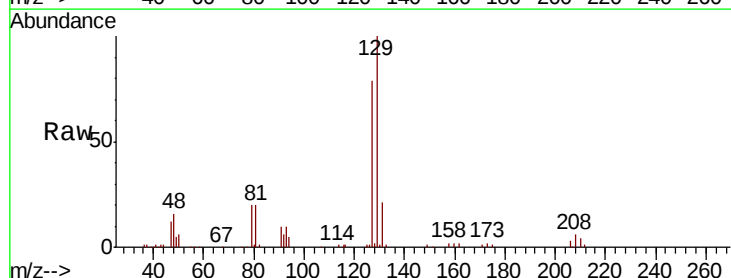
Manual Integrations
APPROVED

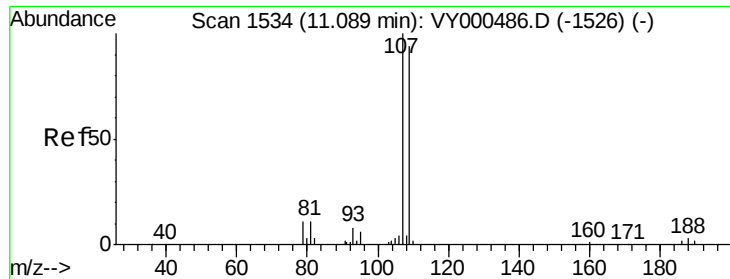
MMDADODA
11/19/2019 12:21:31 PM



#60
Dibromochloromethane
Concen: 19.643 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VY000722.D
Acq: 18 Nov 2019 13:28

Tgt Ion: 129 Resp: 45475
Ion Ratio Lower Upper
129 100
127 76.2 39.1 117.2





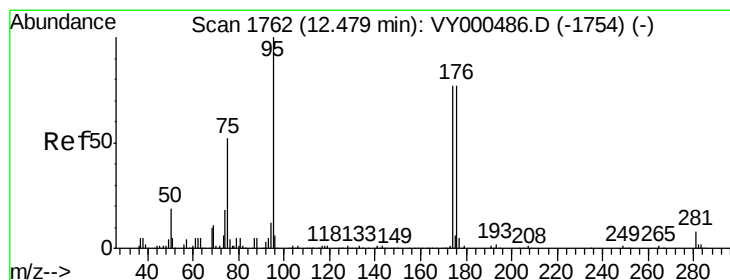
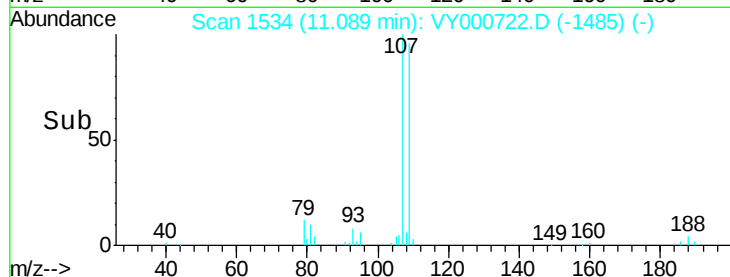
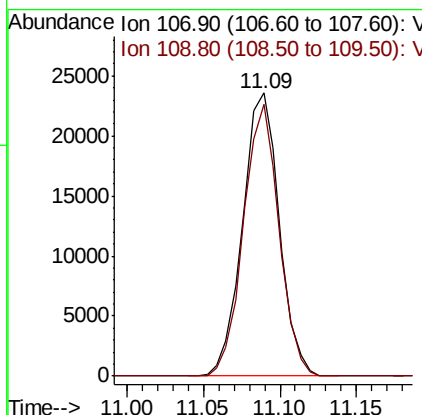
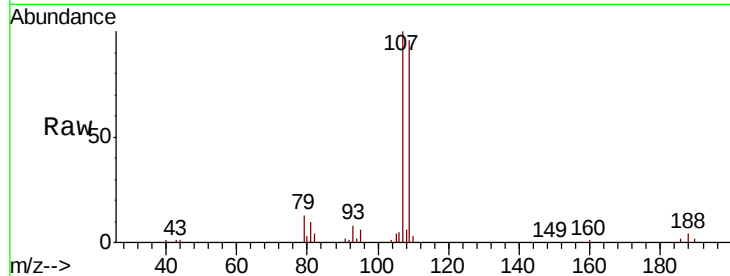
#61
 1,2-Dibromoethane
 Concen: 20.217 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VY000722.D
 Acq: 18 Nov 2019 13:28

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1118SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.8	73.6	110.4

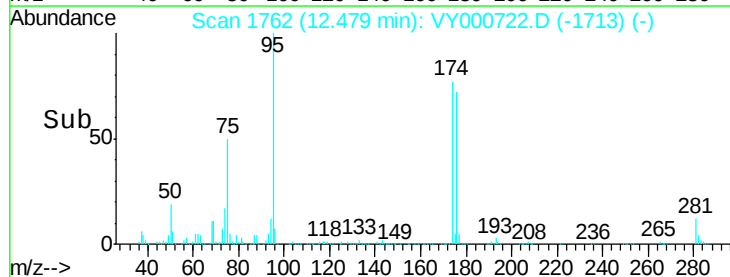
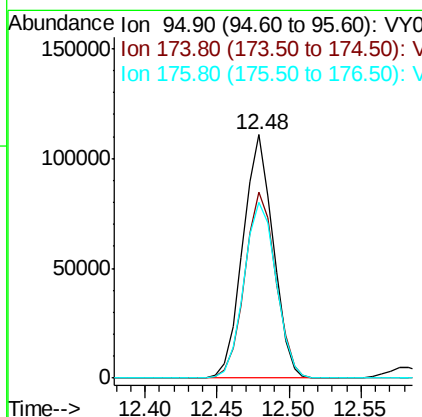
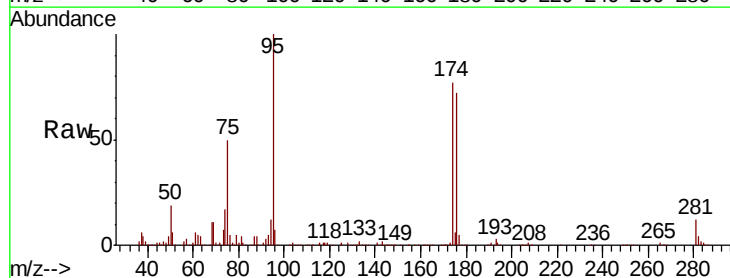
Manual Integrations
 APPROVED

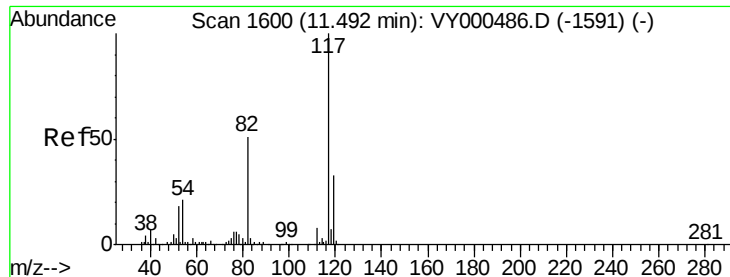
MMDADODA
 11/19/2019 12:21:31 PM



#62
 4-Bromofluorobenzene
 Concen: 50.988 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.00 min
 Lab File: VY000722.D
 Acq: 18 Nov 2019 13:28

Tgt Ion	Ratio	Lower	Upper
95	100		
174	78.2	0.0	161.6
176	76.5	0.0	157.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1599

Delta R.T. -0.01 min

Lab File: VY000722.D

Acq: 18 Nov 2019 13:28

Instrument :

MSVOA_Y

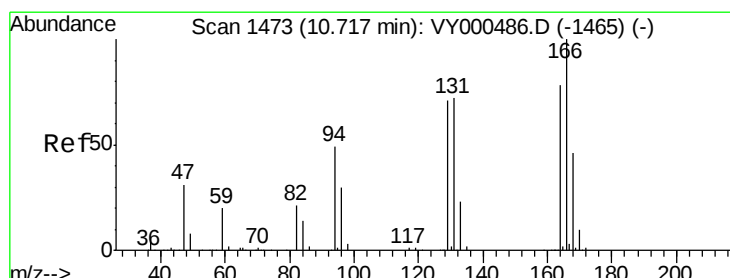
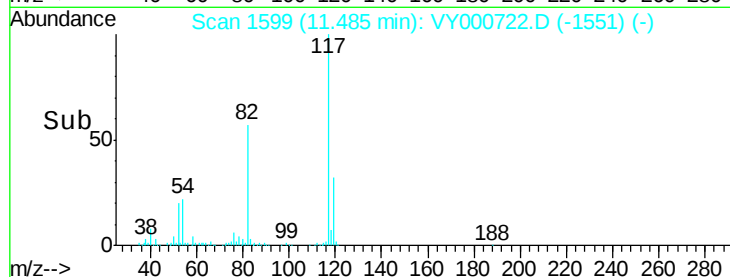
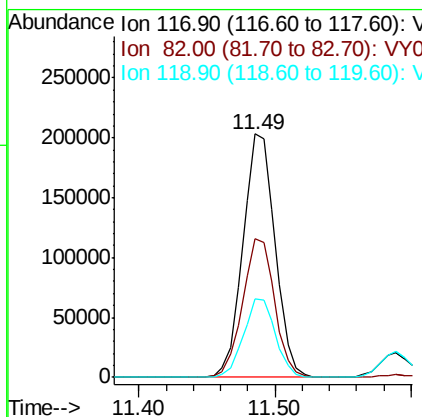
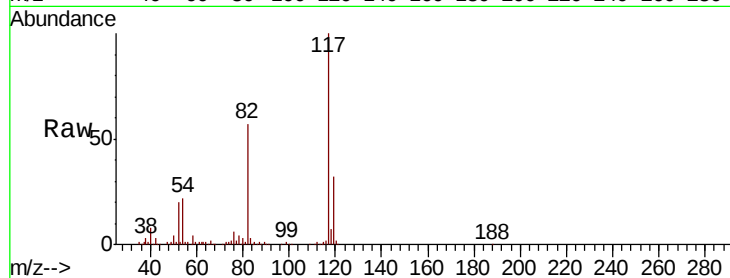
ClientSampleId :

VY1118SBS01

Tot Ion:	117	Resp:	334985
Ion Ratio		Lower	Upper
117	100		
82	57.0	40.8	61.2
119	32.4	26.2	39.2

Manual Integrations
APPROVED

MMDADODA
11/19/2019 12:21:31 PM



#64

Tetrachloroethene

Concen: 20.003 ug/l

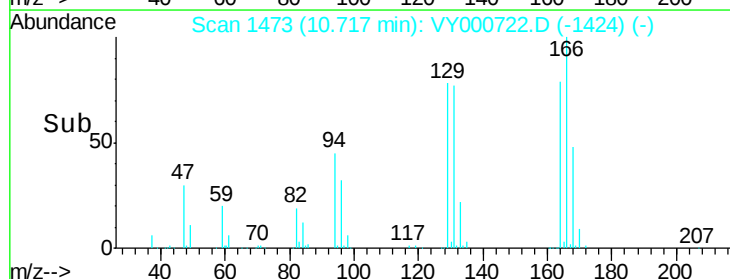
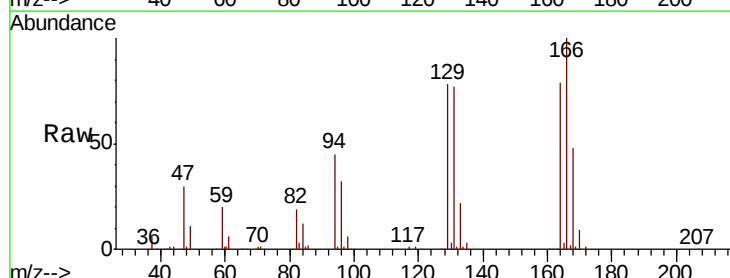
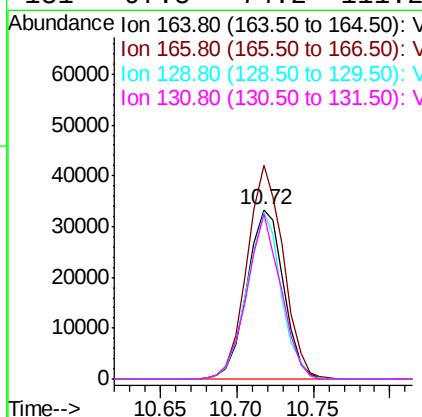
RT: 10.72 min Scan# 1473

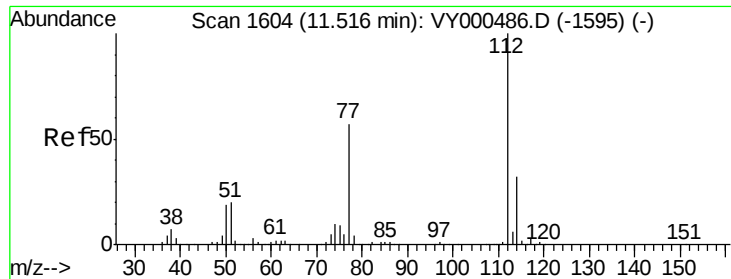
Delta R.T. -0.00 min

Lab File: VY000722.D

Acq: 18 Nov 2019 13:28

Tgt Ion:	164	Resp:	55408
Ion Ratio		Lower	Upper
164	100		
166	126.4	102.7	154.1
129	98.2	73.2	109.8
131	97.5	74.2	111.2





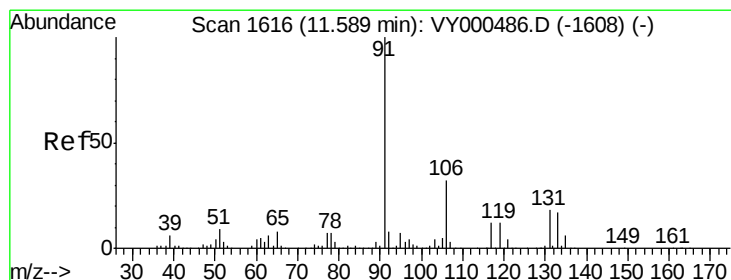
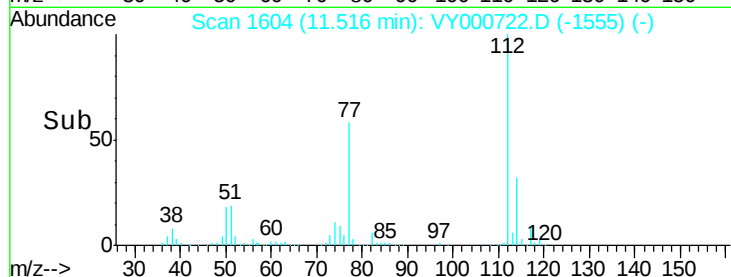
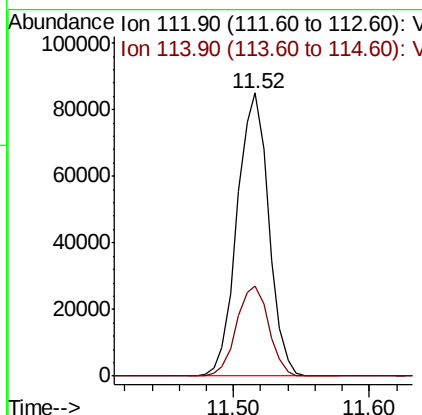
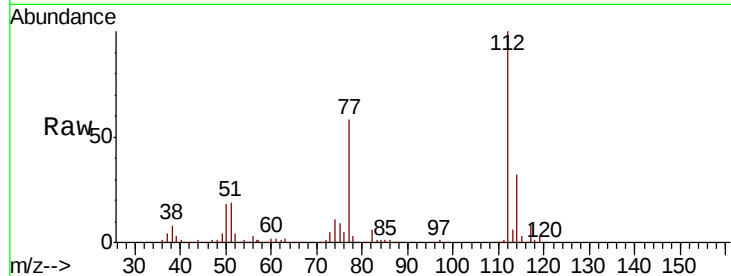
#65
Chlorobenzene
Concen: 20.262 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VY000722.D
Acq: 18 Nov 2019 13:28

Instrument :
MSVOA_Y
ClientSampleId :
VY1118SBS01

Tot Ion:112 Resp: 137612
Ion Ratio Lower Upper
112 100
114 32.0 25.3 37.9

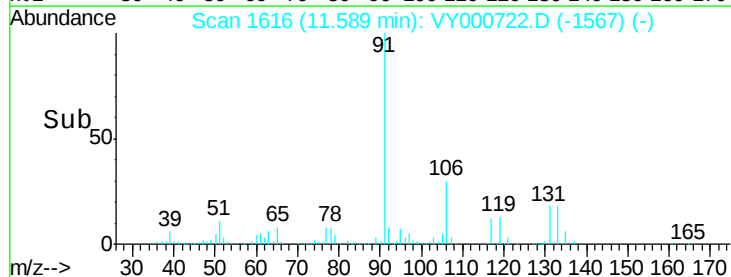
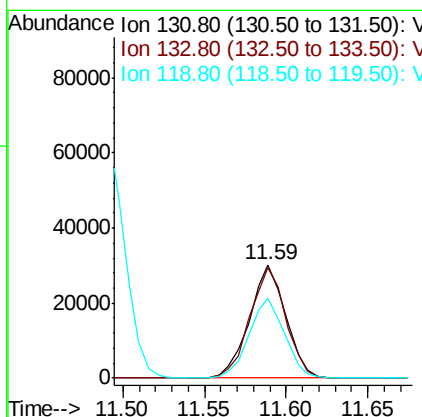
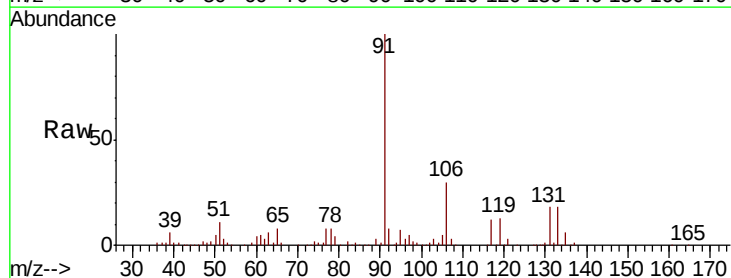
Manual Integrations
APPROVED

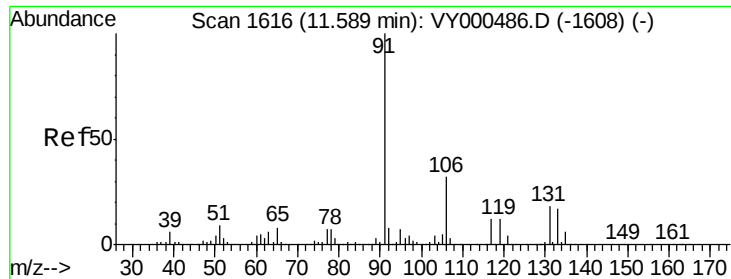
MMDADODA
11/19/2019 12:21:31 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.875 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. -0.00 min
Lab File: VY000722.D
Acq: 18 Nov 2019 13:28

Tgt Ion:131 Resp: 46815
Ion Ratio Lower Upper
131 100
133 97.1 47.9 143.8
119 69.2 33.1 99.3





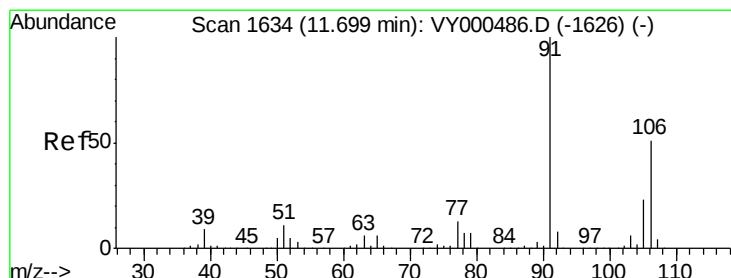
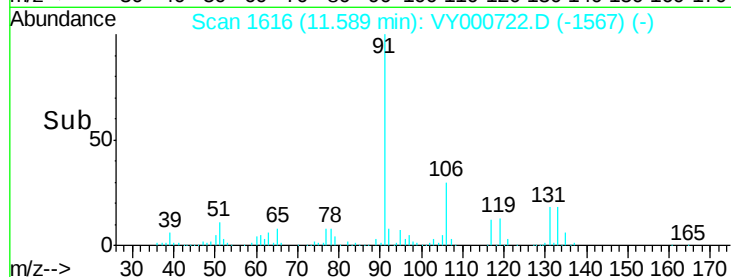
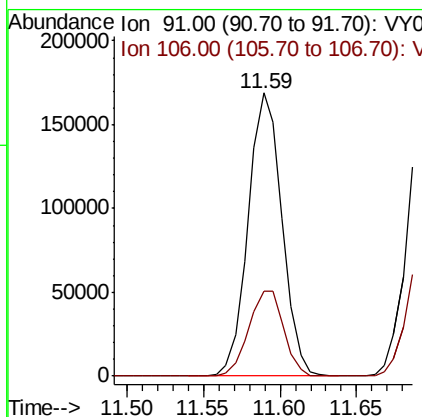
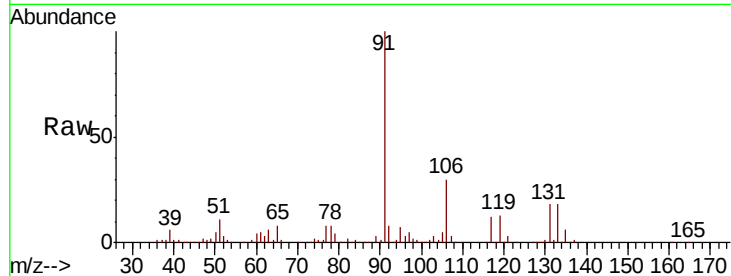
#67
Ethyl Benzene
Concen: 20.736 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. -0.00 min
Lab File: VY000722.D
Acq: 18 Nov 2019 13:28

Instrument :
MSVOA_Y
ClientSampleId :
VY1118SBS01

Tot Ion: 91 Resp: 259196
Ion Ratio Lower Upper
91 100
106 30.0 25.4 38.0

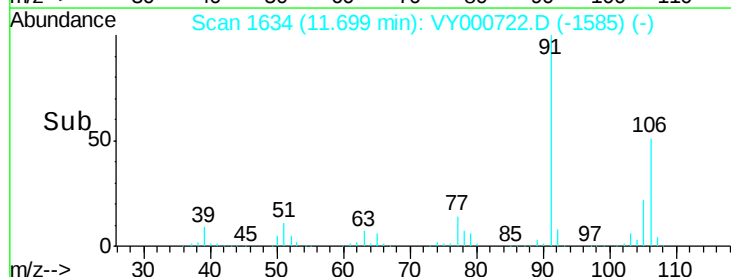
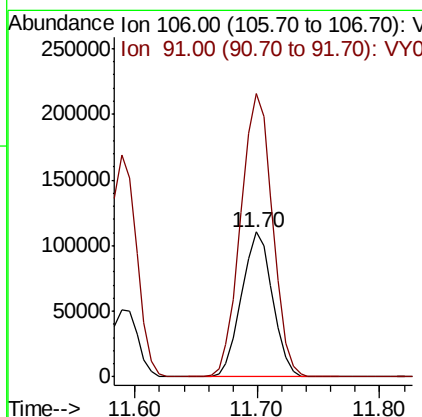
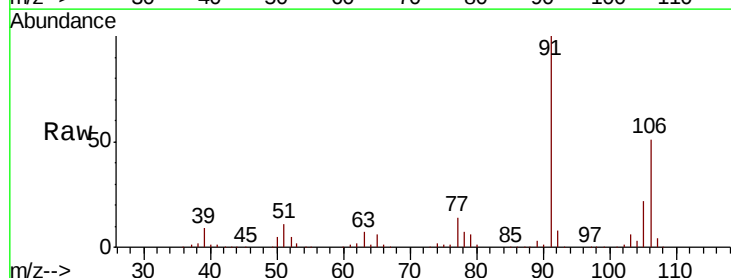
Manual Integrations
APPROVED

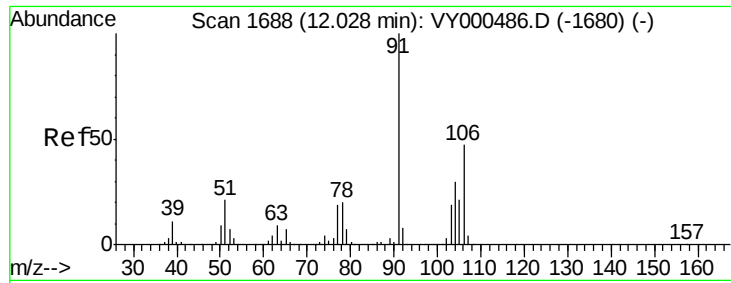
MMDADODA
11/19/2019 12:21:31 PM



#68
m/p-Xylenes
Concen: 40.120 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. -0.00 min
Lab File: VY000722.D
Acq: 18 Nov 2019 13:28

Tgt Ion: 106 Resp: 194095
Ion Ratio Lower Upper
106 100
91 200.6 155.9 233.9





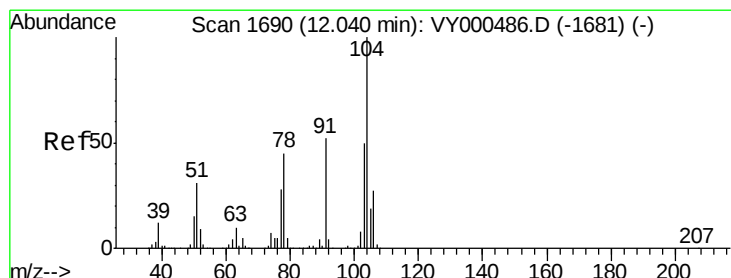
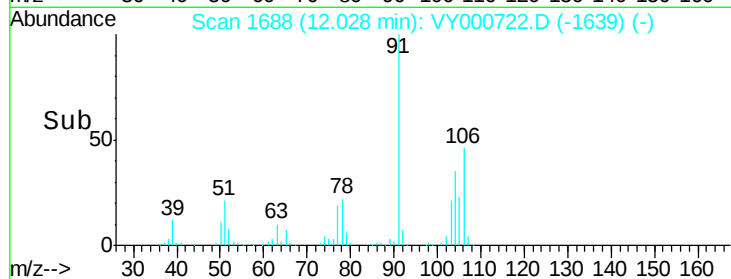
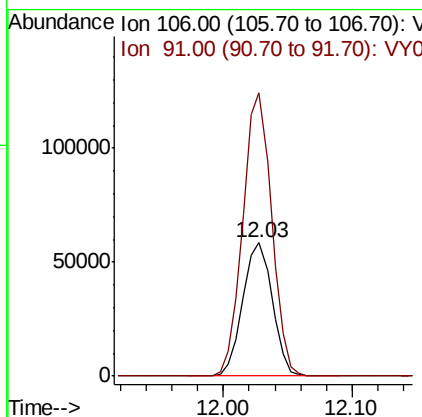
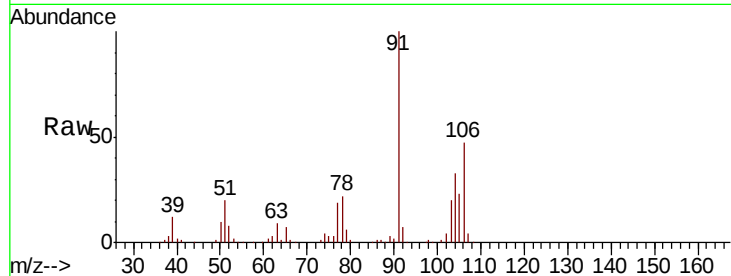
#69
o-Xylene
Concen: 20.405 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VY000722.D
Acq: 18 Nov 2019 13:28

Instrument :
MSVOA_Y
ClientSampleId :
VY1118SBS01

Tot Ion:106 Resp: 92776
Ion Ratio Lower Upper
106 100
91 206.8 106.5 319.6

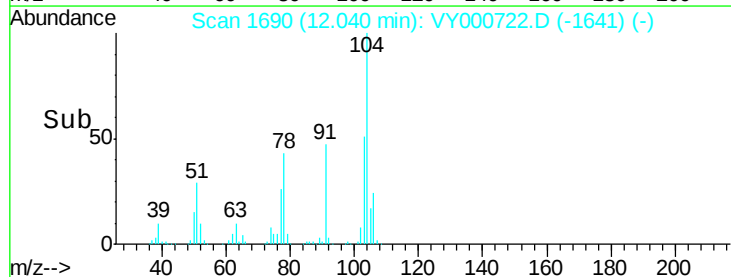
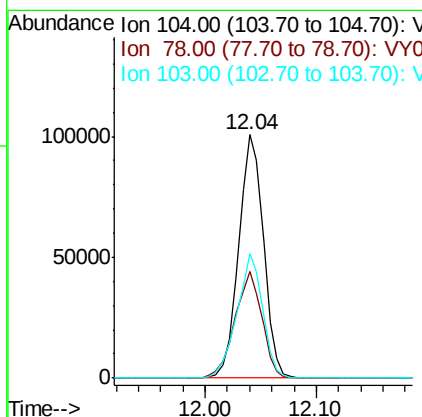
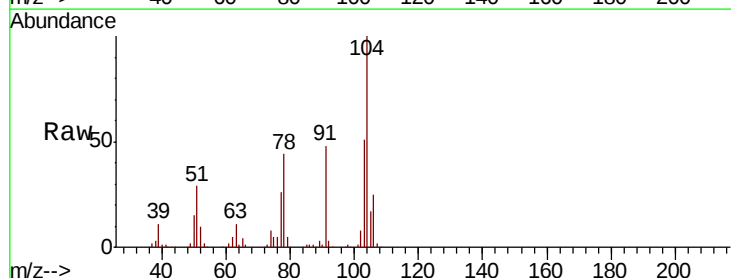
Manual Integrations
APPROVED

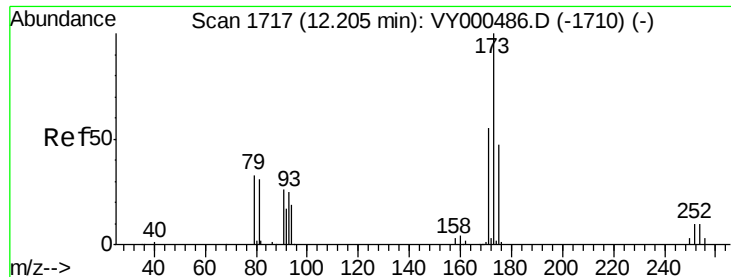
MMDADODA
11/19/2019 12:21:31 PM



#70
Styrene
Concen: 19.898 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VY000722.D
Acq: 18 Nov 2019 13:28

Tgt Ion:104 Resp: 154919
Ion Ratio Lower Upper
104 100
78 47.8 39.0 58.4
103 53.1 42.5 63.7





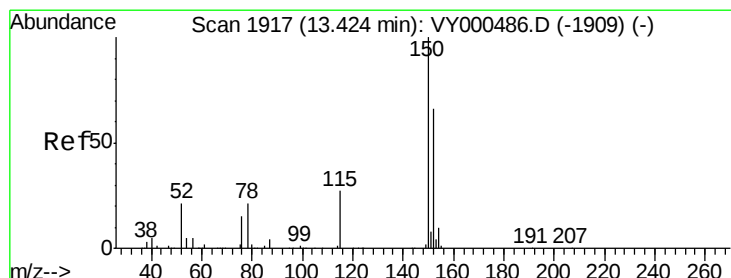
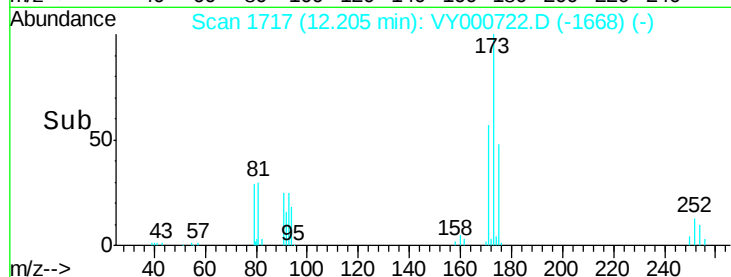
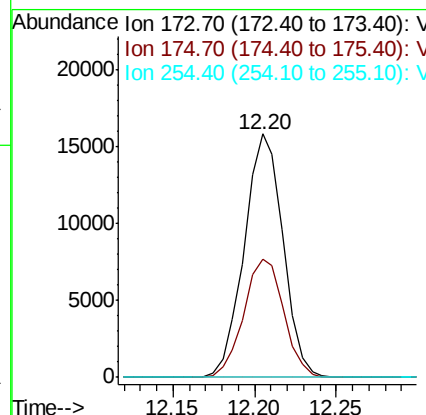
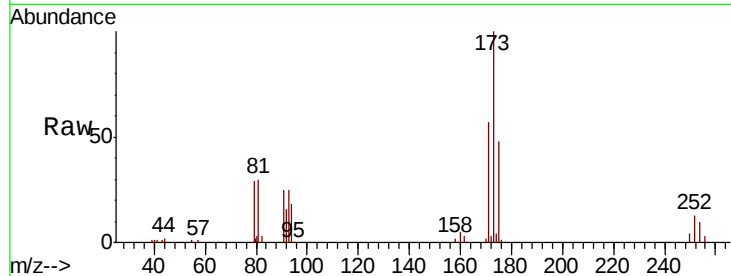
#71
Bromoform
Concen: 19.296 ug/l
RT: 12.20 min Scan# 1717
Delta R.T. -0.00 min
Lab File: VY000722.D
Acq: 18 Nov 2019 13:28

Instrument :
MSVOA_Y
ClientSampleId :
VY1118SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.9	24.4	73.2
254	0.0	0.1	0.1#

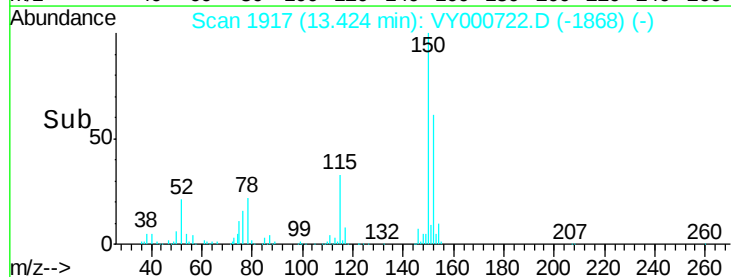
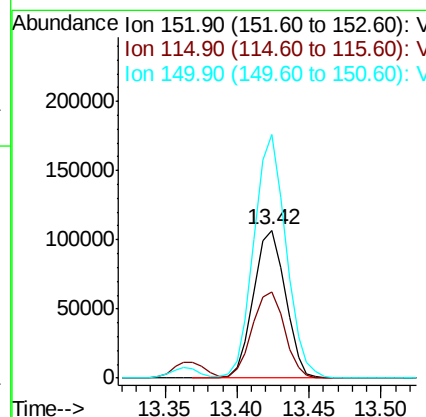
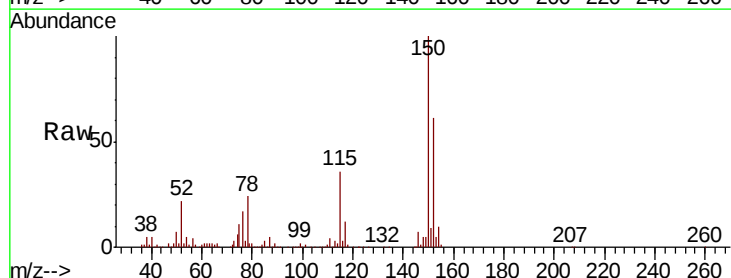
Manual Integrations
APPROVED

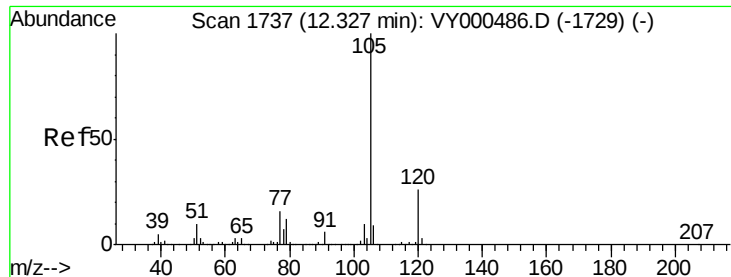
MMDADODA
11/19/2019 12:21:31 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY000722.D
Acq: 18 Nov 2019 13:28

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.6	29.1	87.4
150	166.0	0.0	348.8





#73

Isopropylbenzene

Concen: 20.143 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VY000722.D

Acq: 18 Nov 2019 13:28

Instrument :

MSVOA_Y

ClientSampleId :

VY1118SBS01

Tot Ion: 105 Resp: 243768

Ion Ratio Lower Upper

105 100

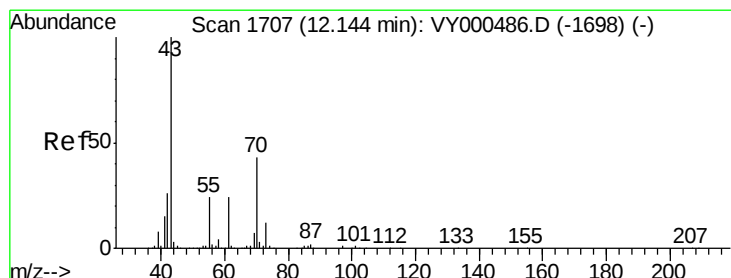
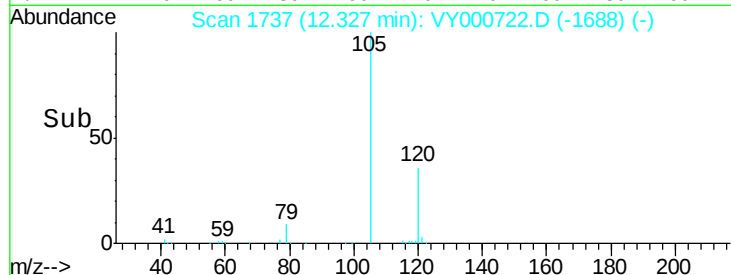
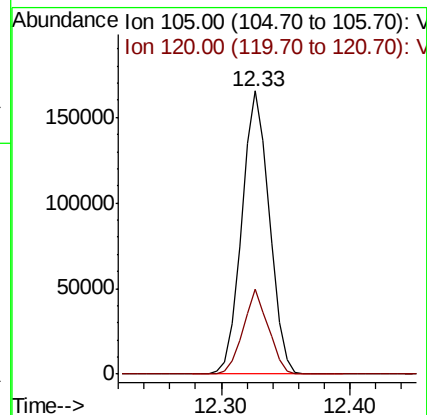
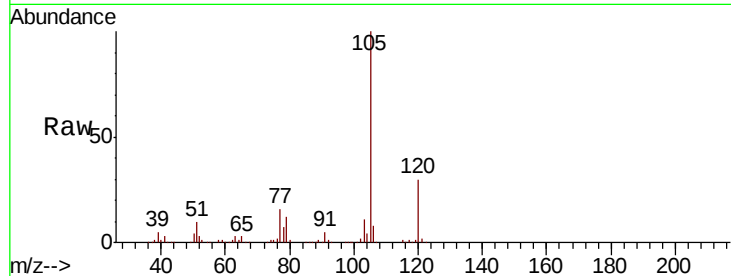
120 27.5 13.5 40.4

Manual Integrations

APPROVED

MMDADODA

11/19/2019 12:21:31 PM



#74

N-ethyl acetate

Concen: 19.800 ug/l

RT: 12.14 min Scan# 1706

Delta R.T. -0.01 min

Lab File: VY000722.D

Acq: 18 Nov 2019 13:28

Tgt Ion: 43 Resp: 68625

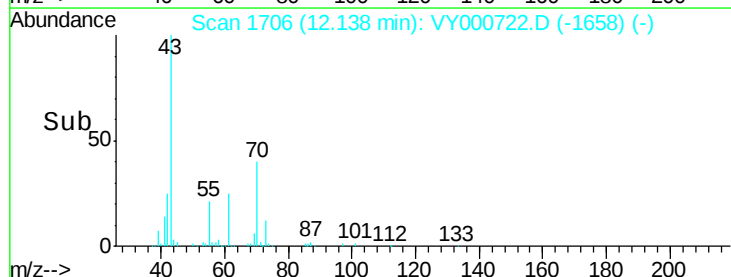
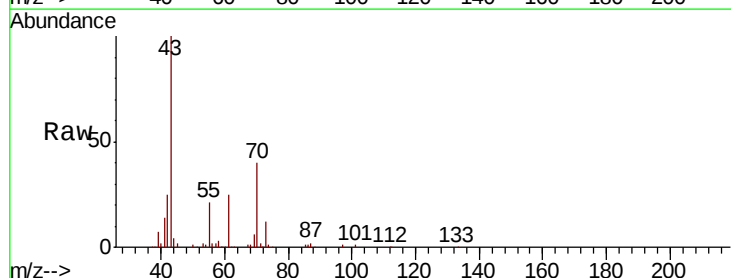
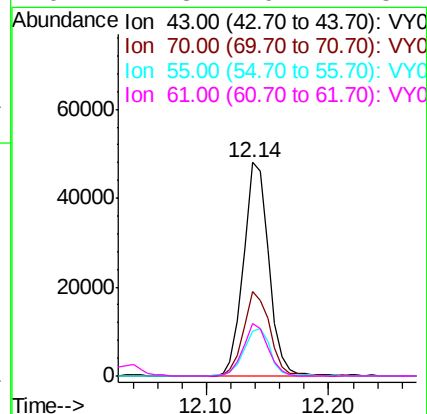
Ion Ratio Lower Upper

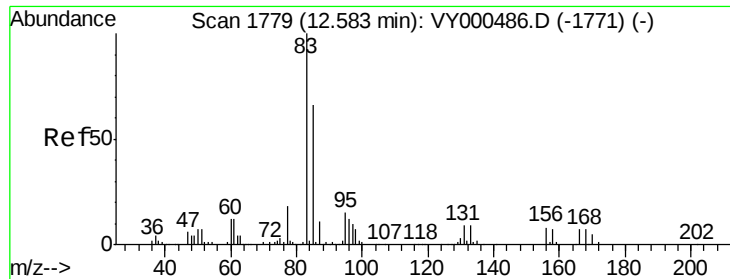
43 100

70 41.1 33.1 49.7

55 23.4 18.0 27.0

61 24.3 19.1 28.7





#75

1,1,2,2-Tetrachloroethane

Concen: 20.086 ug/l

RT: 12.58 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VY000722.D

Acq: 18 Nov 2019 13:28

Instrument :

MSVOA_Y

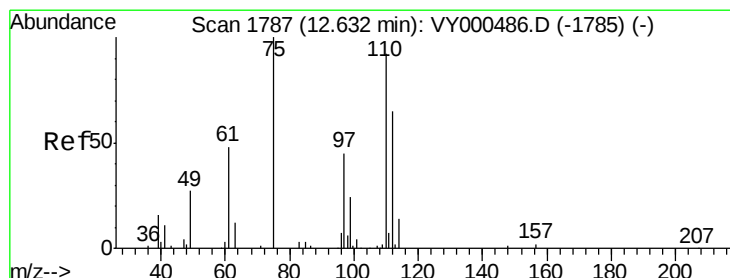
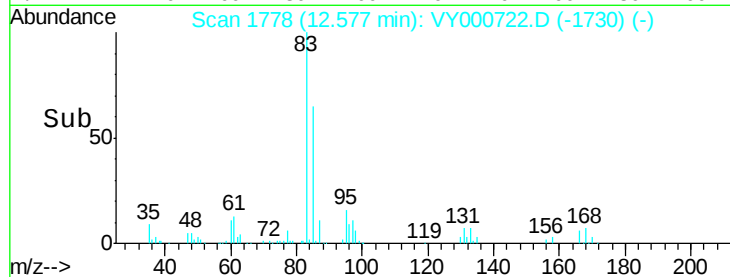
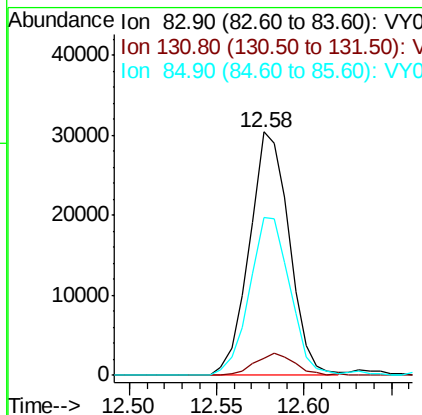
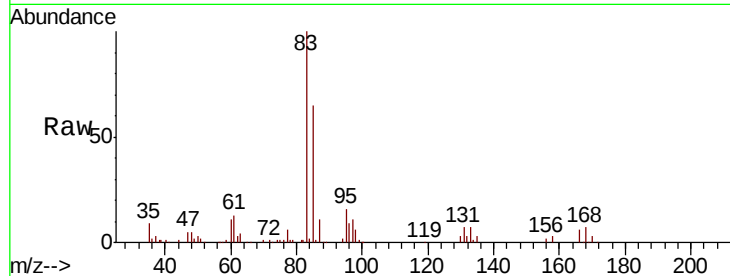
ClientSampleId :

VY1118SBS01

Tot Ion:	83	Resp:	48129
Ion Ratio	Lower	Upper	
83	100		
131	9.3	5.0	14.9
85	65.8	32.3	96.9

Manual Integrations
APPROVED

MMDADODA
11/19/2019 12:21:31 PM



#76

1,2,3-Trichloropropane

Concen: 21.872 ug/l m

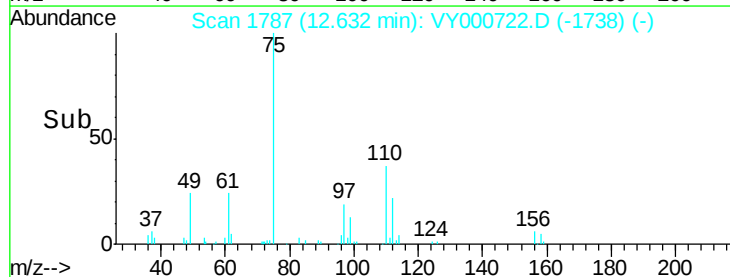
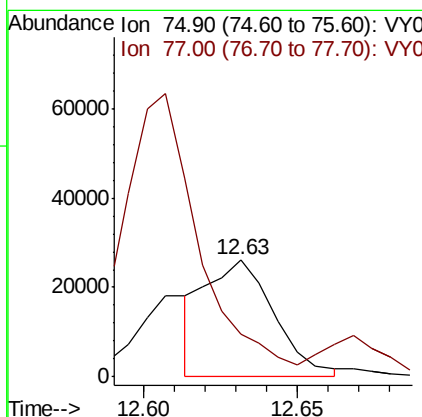
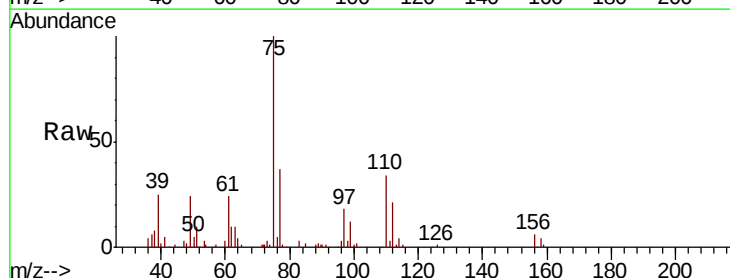
RT: 12.63 min Scan# 1787

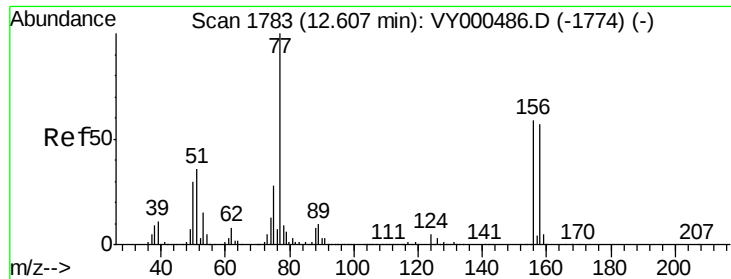
Delta R.T. -0.00 min

Lab File: VY000722.D

Acq: 18 Nov 2019 13:28

Tgt Ion:	75	Resp:	40779
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.467 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VY000722.D

Acq: 18 Nov 2019 13:28

Instrument :

MSVOA_Y

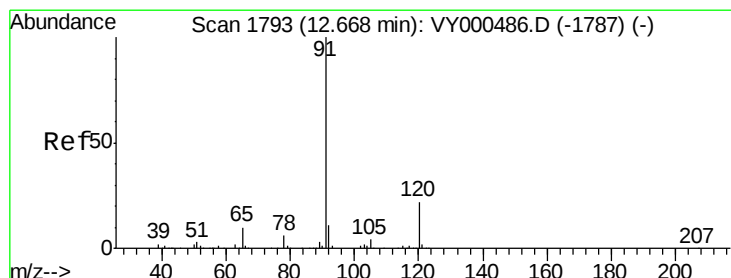
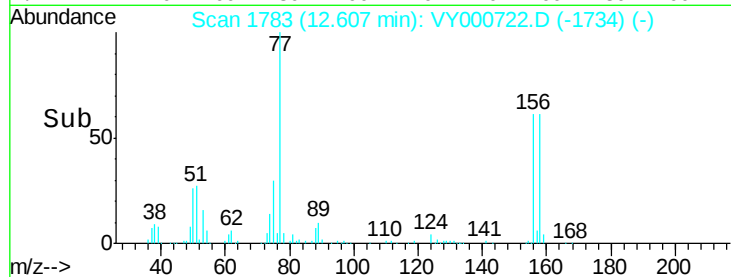
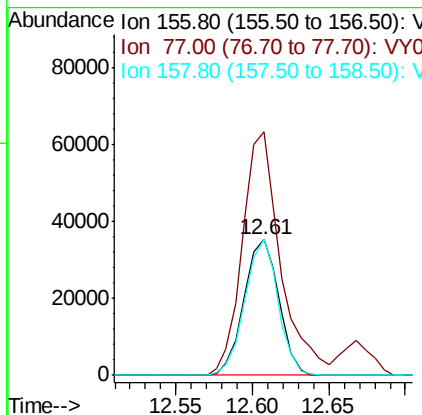
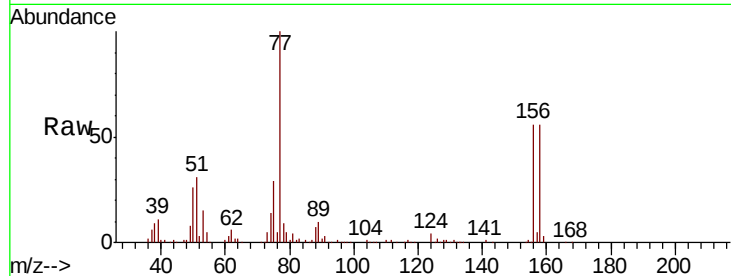
ClientSampleId :

VY1118SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	195.3	98.2	294.4
158	95.2	49.6	149.0

Manual Integrations
APPROVED

MMDADODA
11/19/2019 12:21:31 PM



#78

n-propylbenzene

Concen: 20.844 ug/l

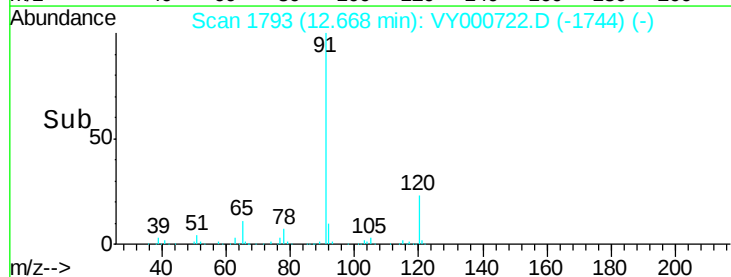
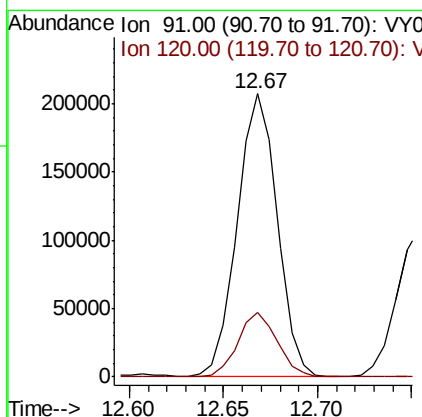
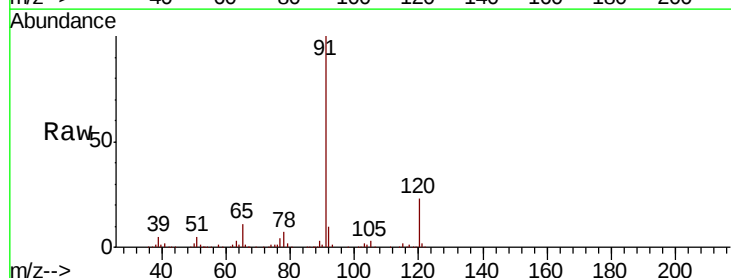
RT: 12.67 min Scan# 1793

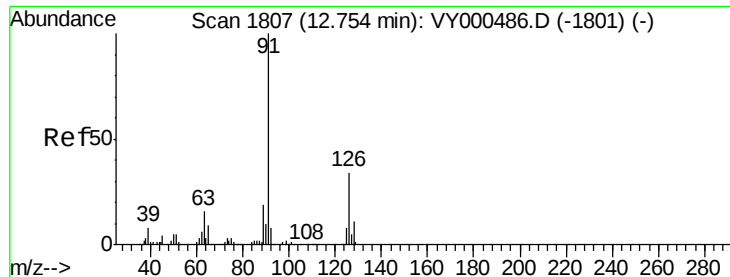
Delta R.T. -0.00 min

Lab File: VY000722.D

Acq: 18 Nov 2019 13:28

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.4	34.1





#79

2-Chlorotoluene

Concen: 20.498 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. -0.00 min

Lab File: VY000722.D

Acq: 18 Nov 2019 13:28

Instrument :

MSVOA_Y

ClientSampleId :

VY1118SBS01

Tot Ion: 91 Resp: 166162

Ion Ratio Lower Upper

91 100

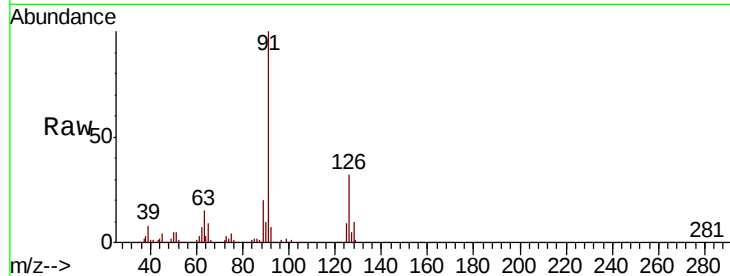
126 33.1 17.7 53.1

Manual Integrations

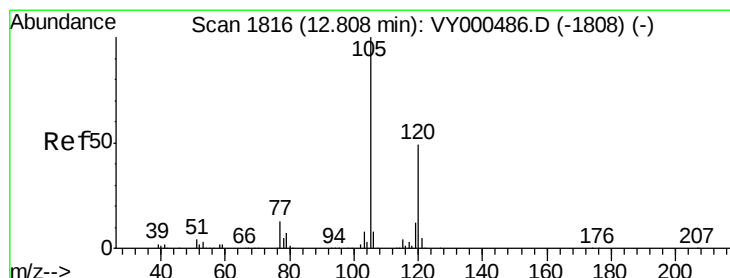
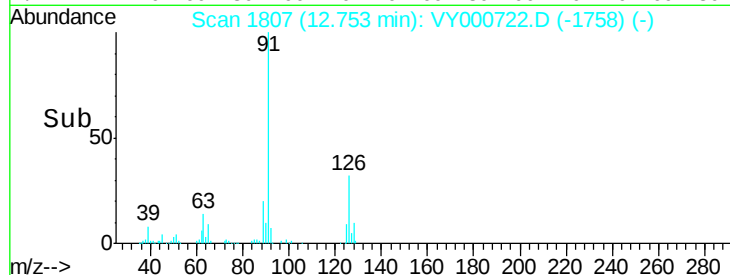
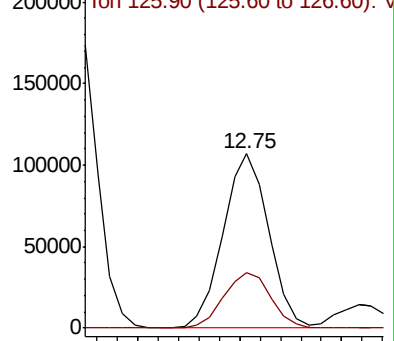
APPROVED

MMDADODA

11/19/2019 12:21:31 PM



Abundance Ion 91.00 (90.70 to 91.70): VY000722.D (-1758) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.838 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. -0.00 min

Lab File: VY000722.D

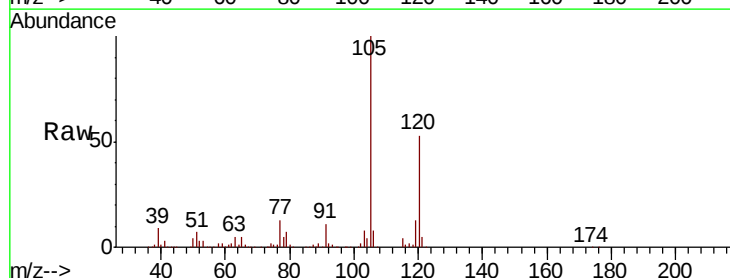
Acq: 18 Nov 2019 13:28

Tgt Ion: 105 Resp: 210030

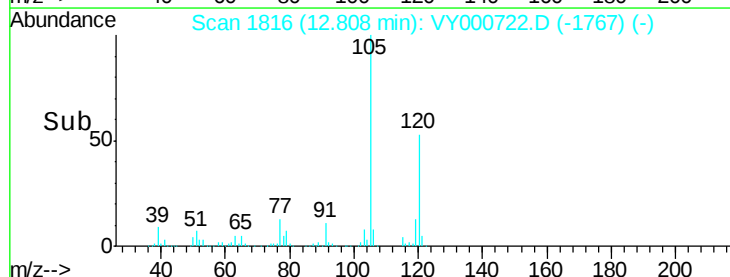
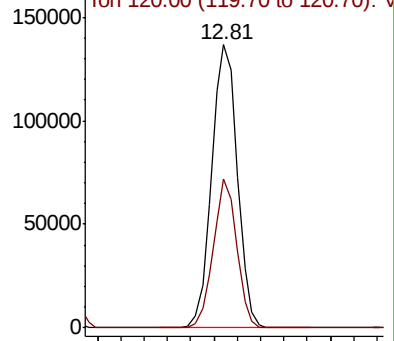
Ion Ratio Lower Upper

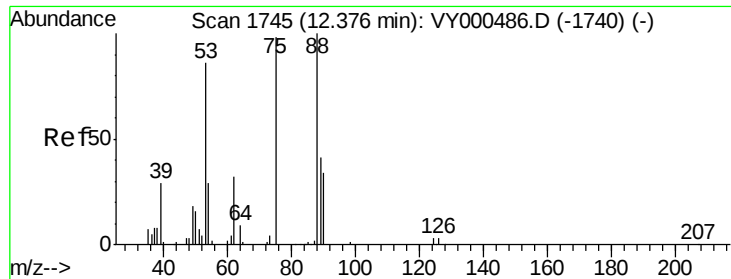
105 100

120 48.4 24.9 74.8



Abundance Ion 105.00 (104.70 to 105.70): VY000722.D (-1767) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 19.768 ug/l

RT: 12.38 min Scan# 1745

Delta R.T. -0.00 min

Lab File: VY000722.D

Acq: 18 Nov 2019 13:28

Instrument :

MSVOA_Y

ClientSampleId :

VY1118SBS01

Tot Ion: 75 Resp: 16438

Ion Ratio Lower Upper

75 100

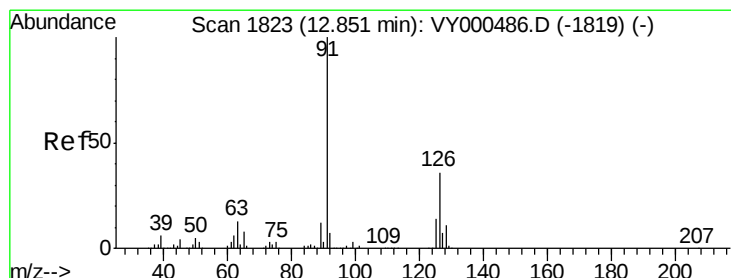
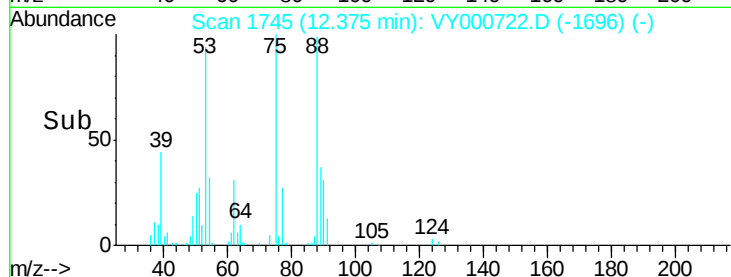
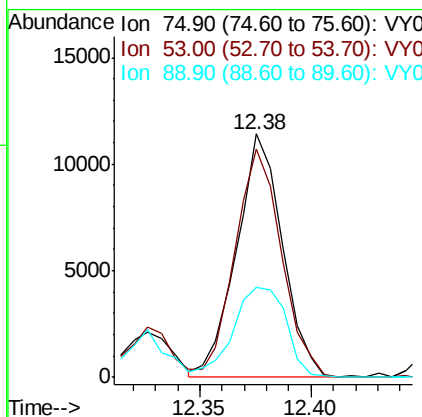
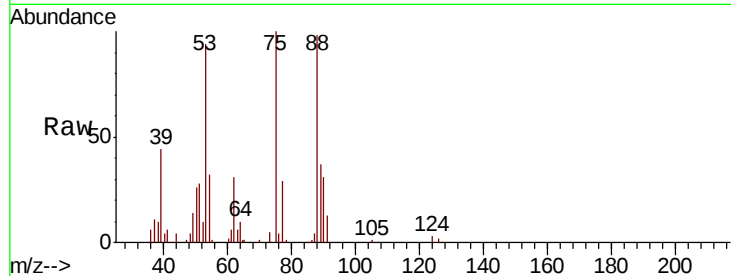
53 95.4 73.2 109.8

89 42.7 35.9 53.9

Manual Integrations
APPROVED

MMDADODA

11/19/2019 12:21:31 PM



#82

4-Chlorotoluene

Concen: 21.074 ug/l

RT: 12.85 min Scan# 1823

Delta R.T. -0.00 min

Lab File: VY000722.D

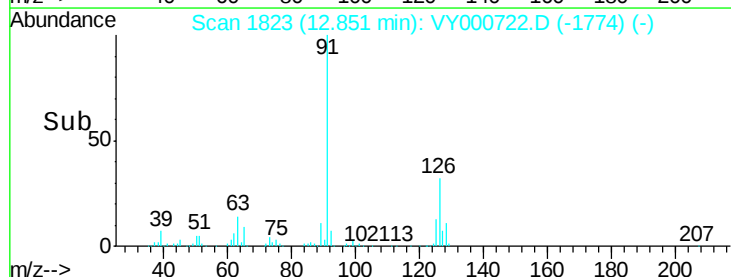
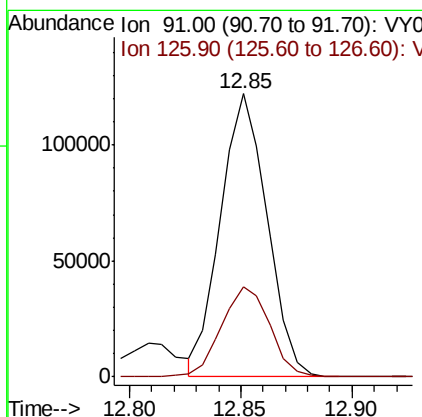
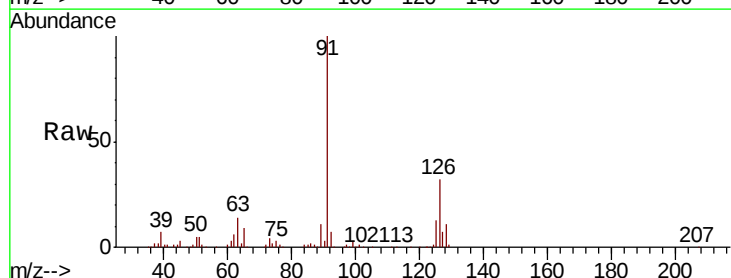
Acq: 18 Nov 2019 13:28

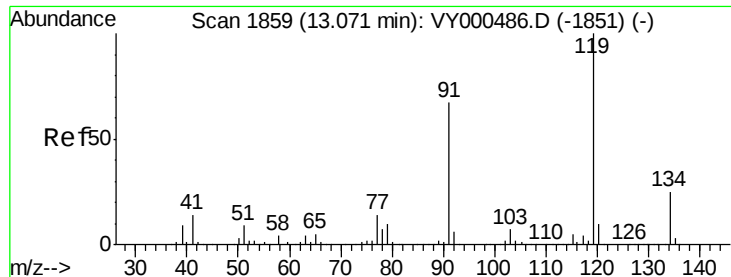
Tgt Ion: 91 Resp: 177083

Ion Ratio Lower Upper

91 100

126 33.2 17.6 52.9





#83

tert-Butylbenzene

Concen: 20.089 ug/l

RT: 13.07 min Scan# 1859

Delta R.T. -0.00 min

Lab File: VY000722.D

Acq: 18 Nov 2019 13:28

Instrument :

MSVOA_Y

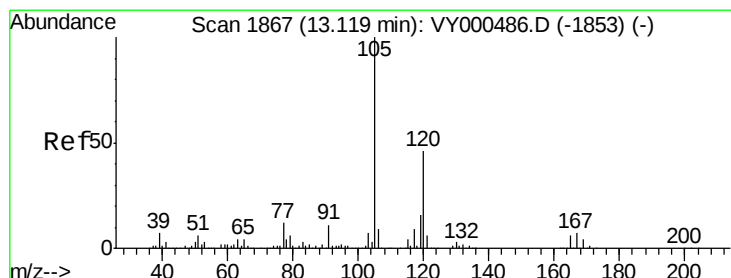
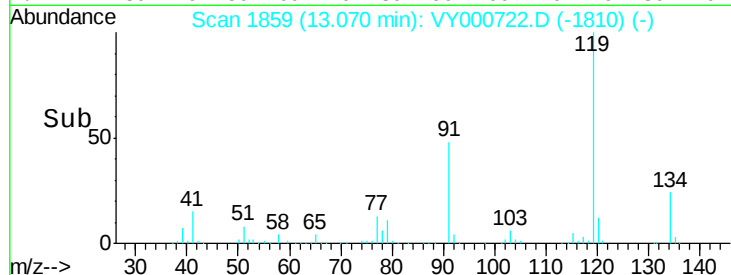
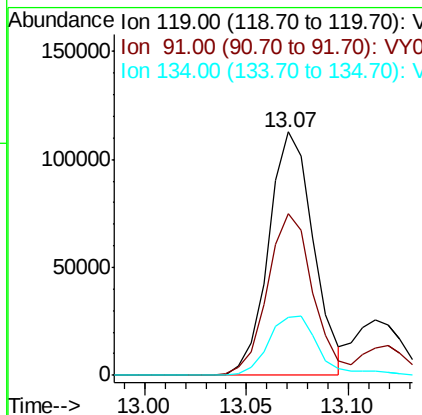
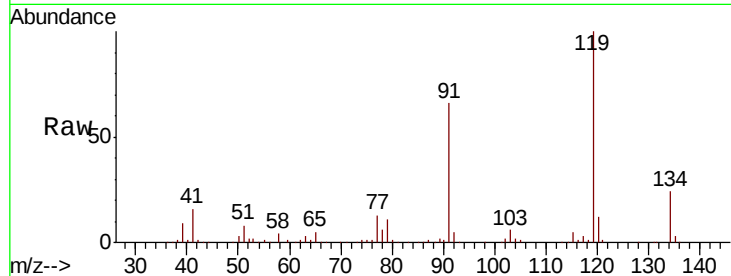
ClientSampleId :

VY1118SBS01

Tot Ion:	119	Resp:	172887
Ion Ratio	Lower	Upper	
119	100		
91	67.5	32.1	96.3
134	27.2	13.2	39.5

Manual Integrations
APPROVED

MMDADODA
11/19/2019 12:21:31 PM



#84

1,2,4-Trimethylbenzene

Concen: 20.565 ug/l

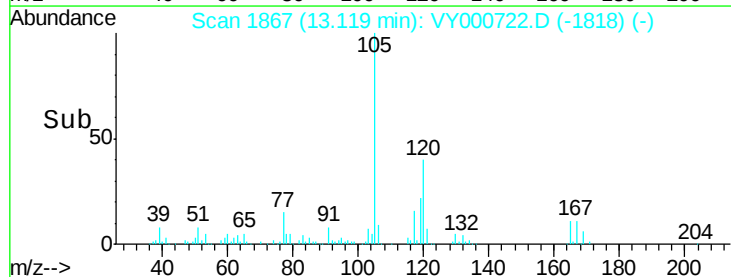
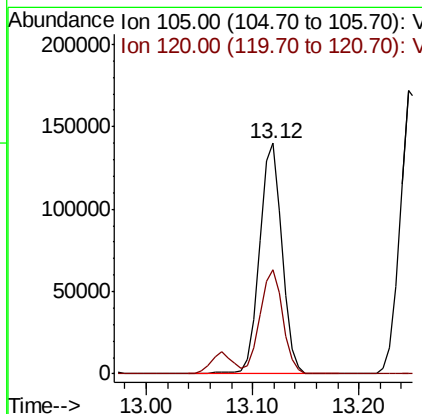
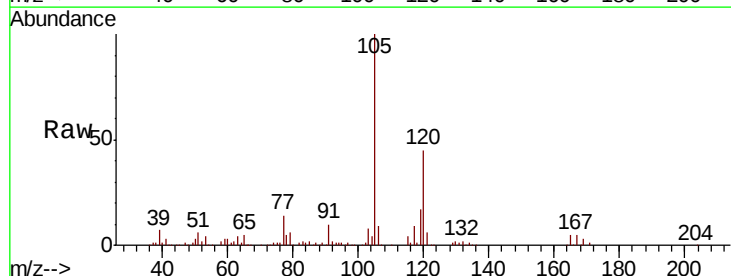
RT: 13.12 min Scan# 1867

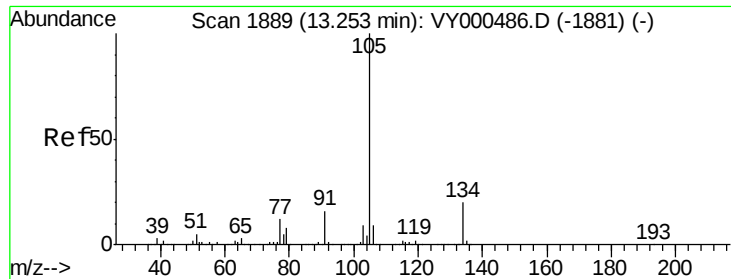
Delta R.T. -0.00 min

Lab File: VY000722.D

Acq: 18 Nov 2019 13:28

Tgt Ion:	105	Resp:	206375
Ion Ratio	Lower	Upper	
105	100		
120	46.3	23.3	69.9





#85

sec-Butylbenzene

Concen: 21.020 ug/l

RT: 13.25 min Scan# 1888

Delta R.T. -0.01 min

Lab File: VY000722.D

Acq: 18 Nov 2019 13:28

Instrument :

MSVOA_Y

ClientSampleId :

VY1118SBS01

Tot Ion:105 Resp: 257720

Ion Ratio Lower Upper

105 100

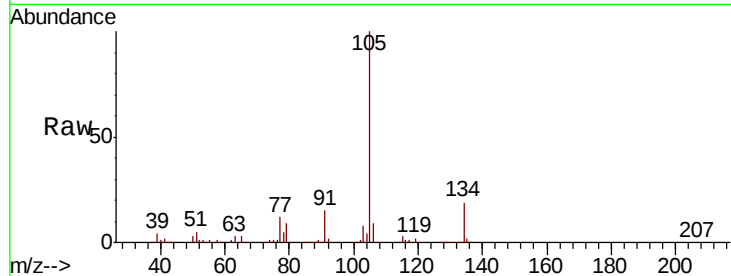
134 20.1 10.1 30.1

Manual Integrations

APPROVED

MMDADODA

11/19/2019 12:21:31 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

200000

150000

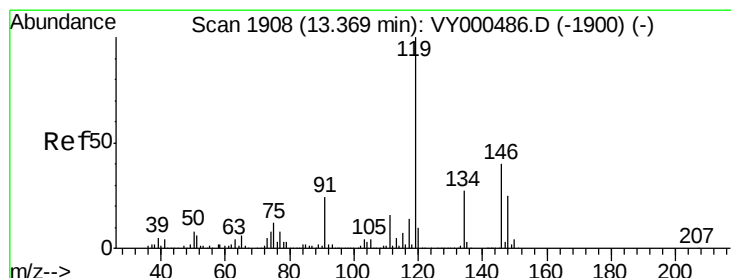
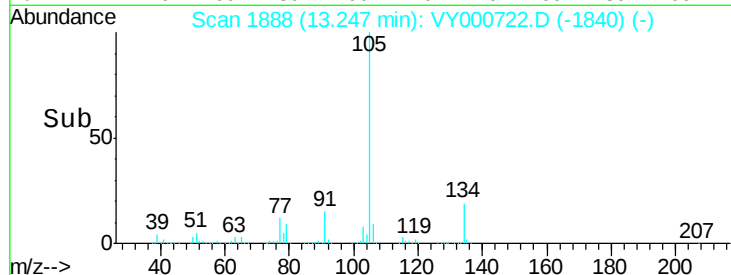
100000

50000

0

13.20 13.25 13.30

Time-->



#86

p-Isopropyltoluene

Concen: 20.758 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. -0.00 min

Lab File: VY000722.D

Acq: 18 Nov 2019 13:28

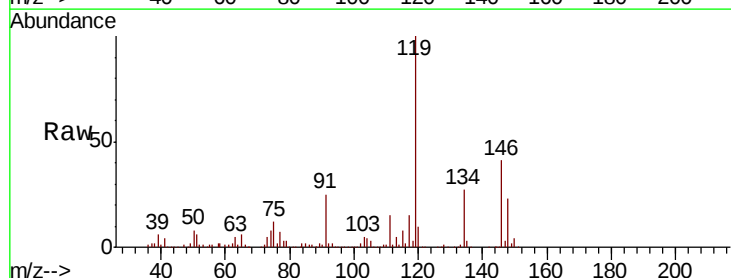
Tgt Ion:119 Resp: 226832

Ion Ratio Lower Upper

119 100

134 26.3 13.6 40.8

91 24.4 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

200000

150000

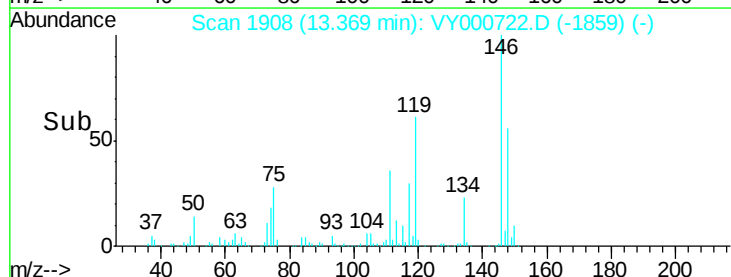
100000

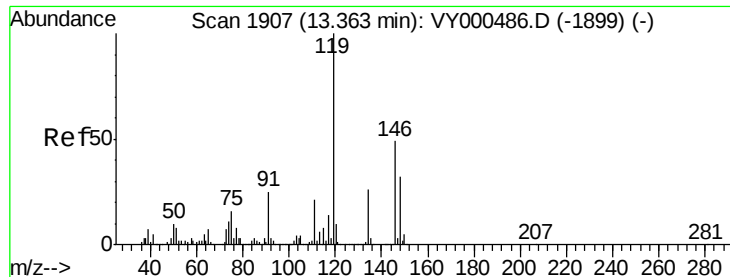
50000

0

13.30 13.35 13.40 13.45

Time-->





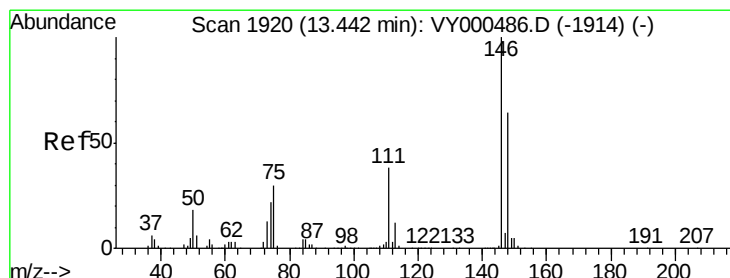
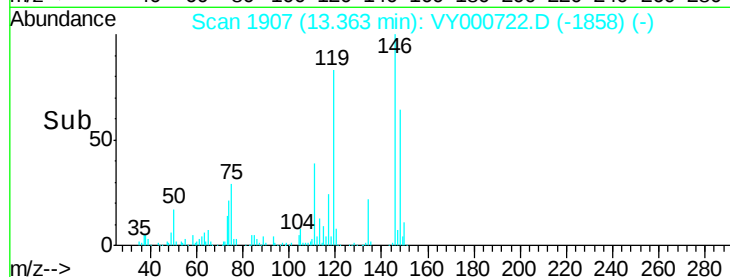
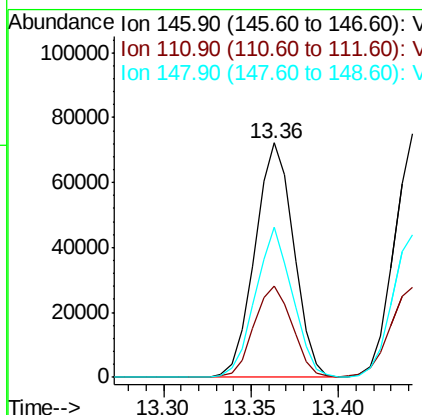
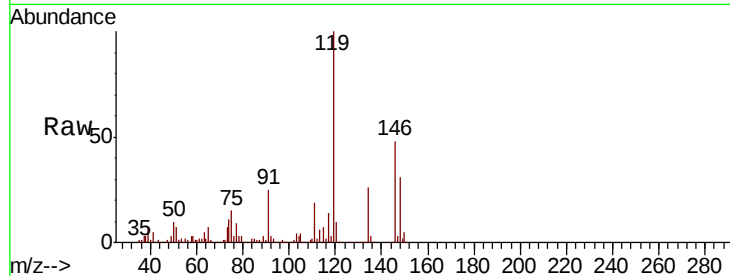
#87
 1,3-Dichlorobenzene
 Concen: 20.631 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. -0.00 min
 Lab File: VY000722.D
 Acq: 18 Nov 2019 13:28

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1118SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	20.3	60.8
148	61.8	31.5	94.5

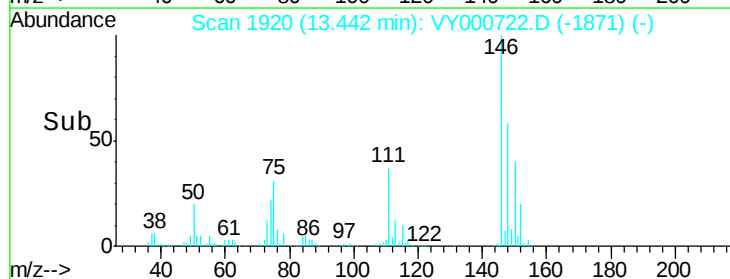
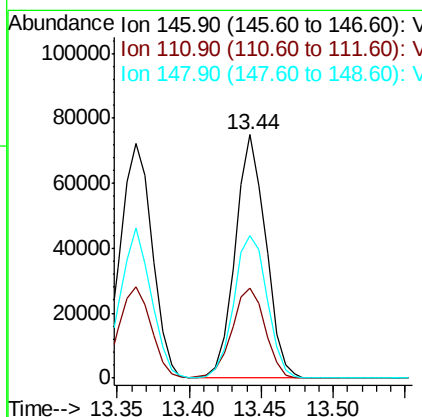
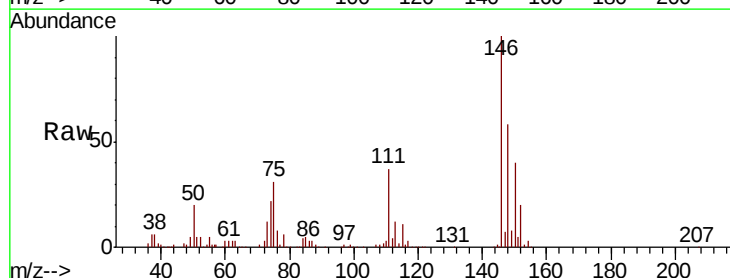
Manual Integrations
 APPROVED

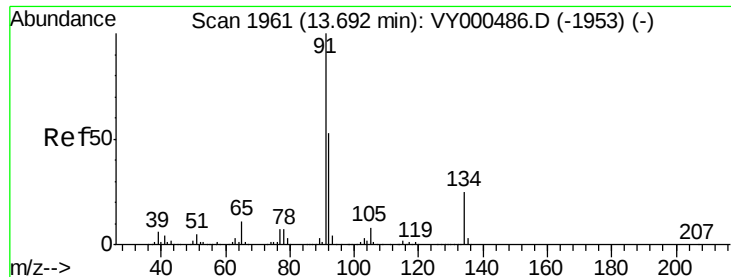
MMDADODA
 11/19/2019 12:21:31 PM



#88
 1,4-Dichlorobenzene
 Concen: 20.595 ug/l
 RT: 13.44 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VY000722.D
 Acq: 18 Nov 2019 13:28

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.6	19.7	59.0
148	63.6	31.9	95.7





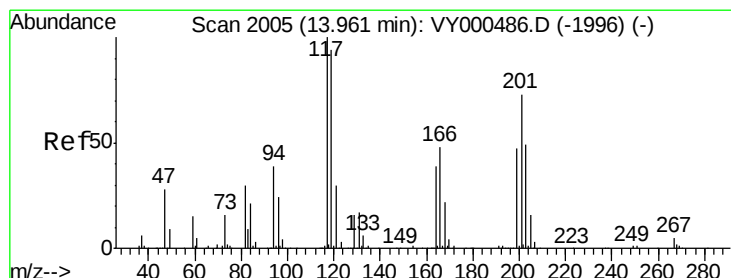
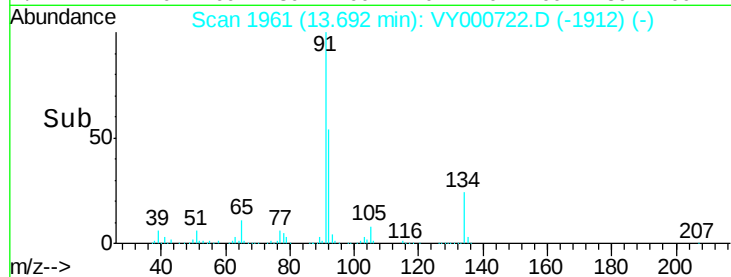
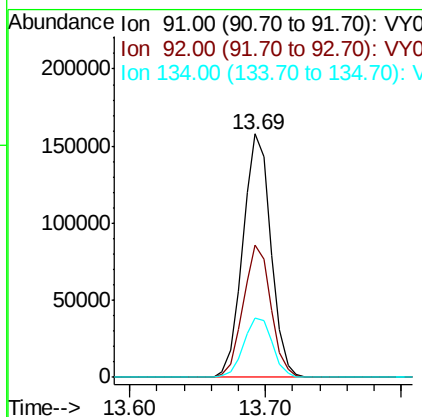
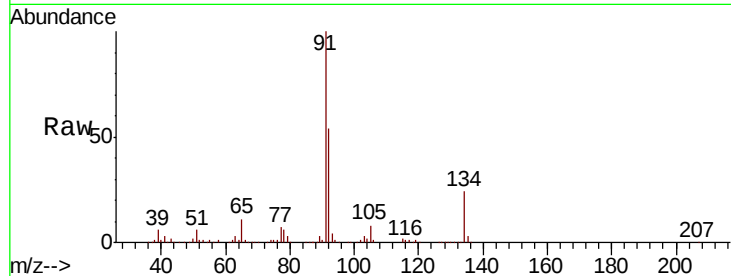
#89
n-Butylbenzene
Concen: 20.991 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. -0.00 min
Lab File: VY000722.D
Acq: 18 Nov 2019 13:28

Instrument :
MSVOA_Y
ClientSampleId :
VY1118SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.0	26.8	80.3
134	25.0	12.9	38.7

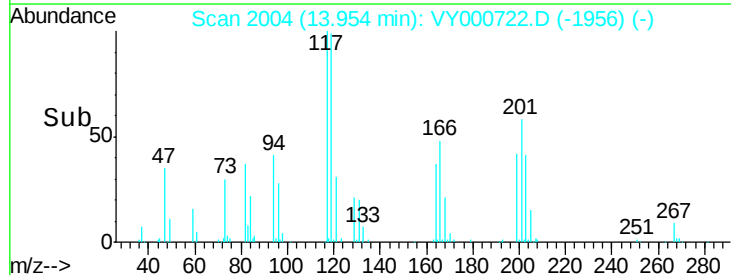
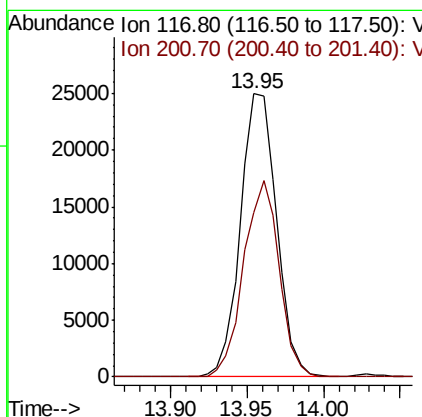
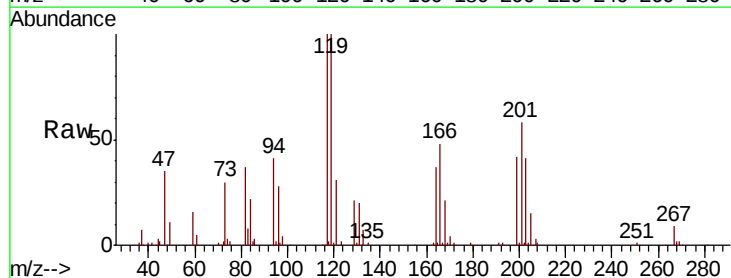
Manual Integrations
APPROVED

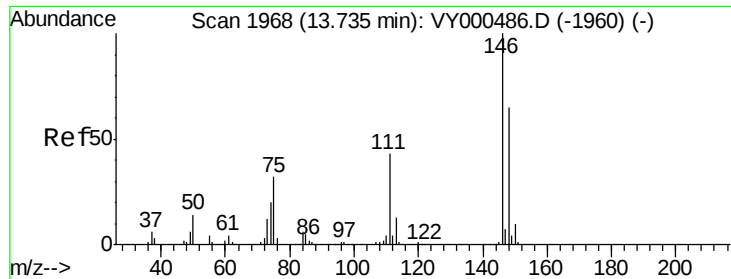
MMDADODA
11/19/2019 12:21:31 PM



#90
Hexachloroethane
Concen: 20.325 ug/l
RT: 13.95 min Scan# 2004
Delta R.T. -0.01 min
Lab File: VY000722.D
Acq: 18 Nov 2019 13:28

Tgt Ion	Ratio	Lower	Upper
117	100		
201	67.9	35.8	107.3





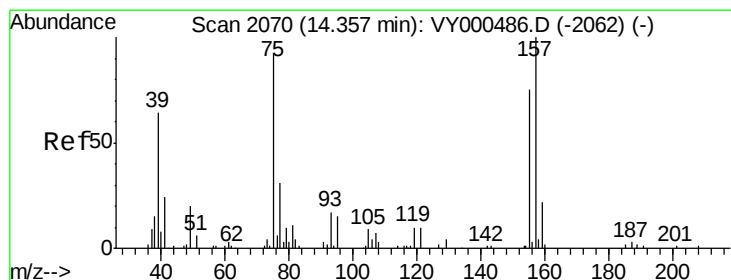
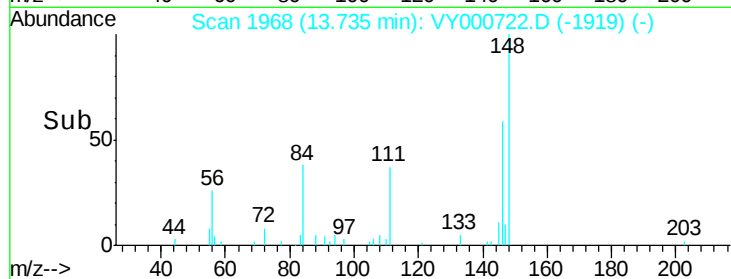
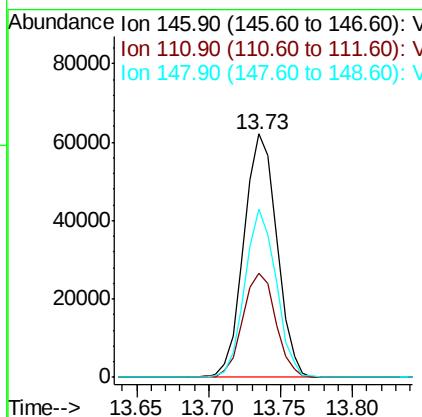
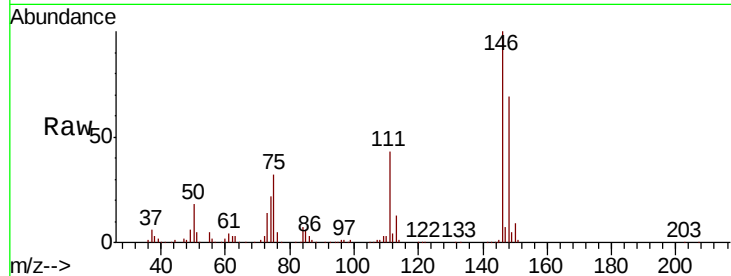
#91
 1,2-Dichlorobenzene
 Concen: 20.187 ug/l
 RT: 13.73 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: VY000722.D
 Acq: 18 Nov 2019 13:28

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1118SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.6	20.5	61.5
148	65.1	31.7	95.1

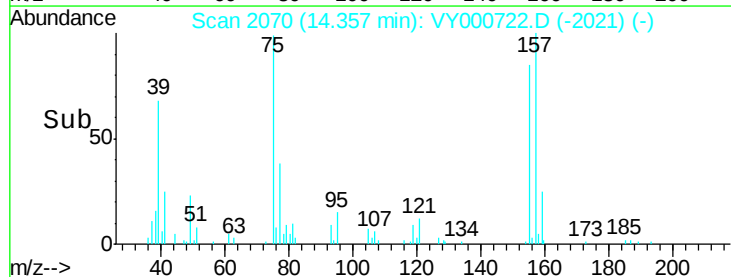
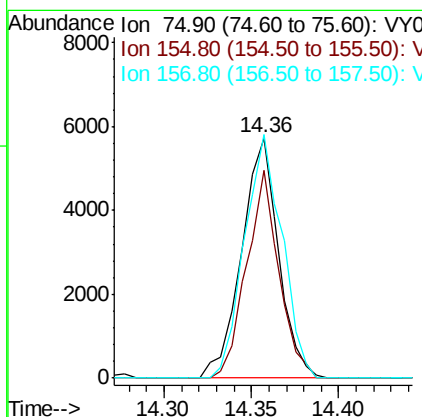
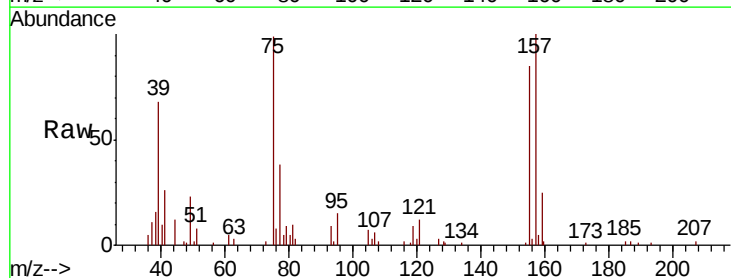
Manual Integrations
 APPROVED

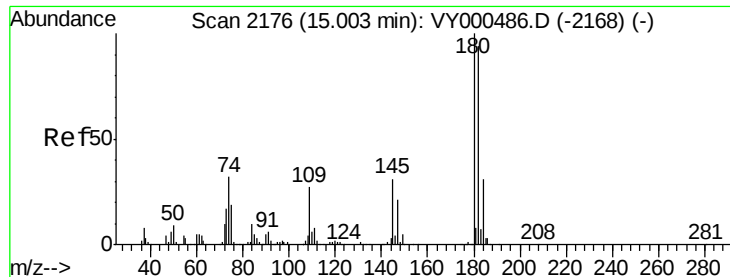
MMDADODA
 11/19/2019 12:21:31 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.808 ug/l
 RT: 14.36 min Scan# 2070
 Delta R.T. -0.00 min
 Lab File: VY000722.D
 Acq: 18 Nov 2019 13:28

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.0	42.4	127.1
157	103.1	55.1	165.3





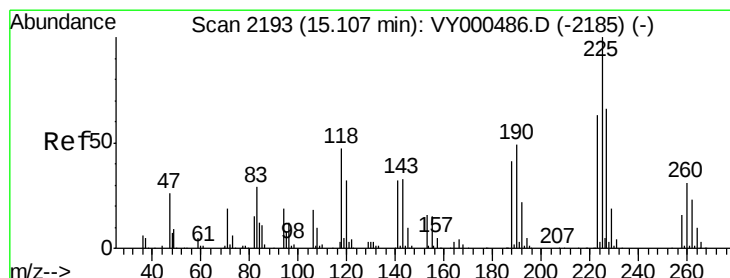
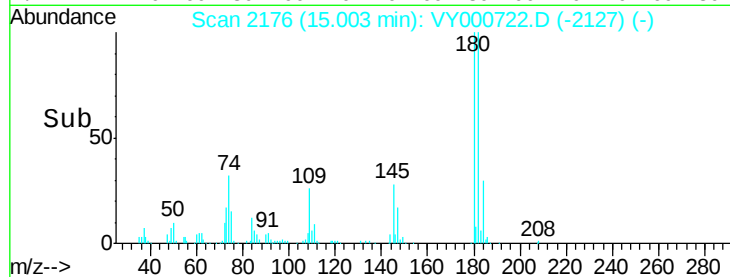
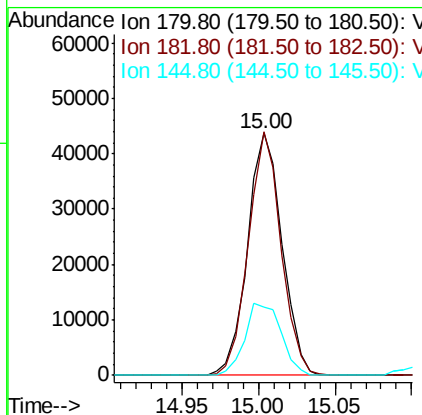
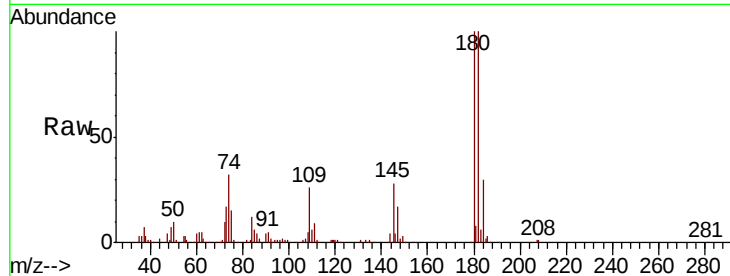
#93
 1,2,4-Trichlorobenzene
 Concen: 20.595 ug/l
 RT: 15.00 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VY000722.D
 Acq: 18 Nov 2019 13:28

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1118SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	68391		
182	95.3	47.8	143.4	
145	31.2	16.0	47.9	

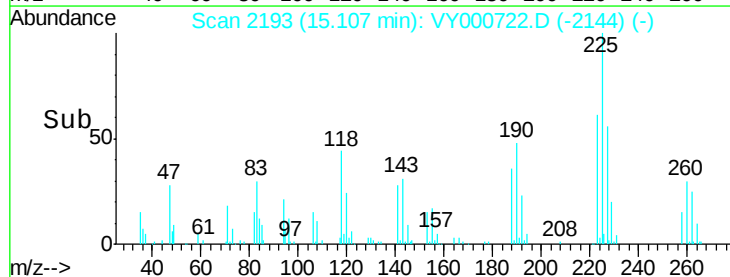
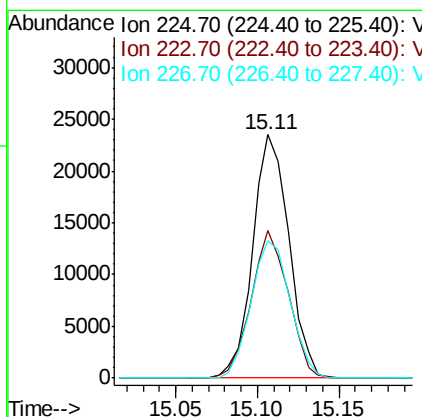
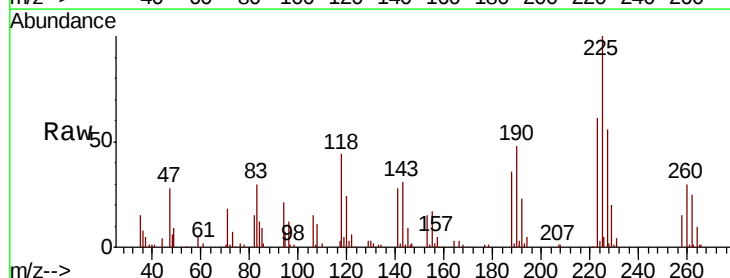
Manual Integrations
 APPROVED

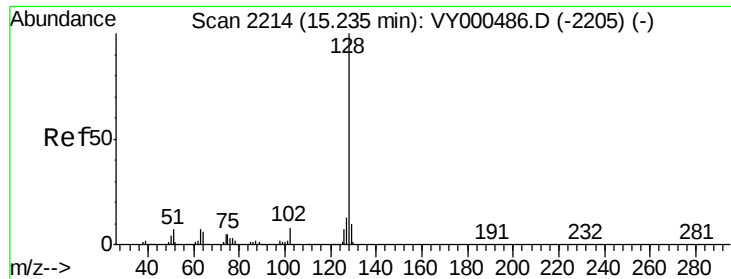
MMDADODA
 11/19/2019 12:21:31 PM



#94
 Hexachlorobutadiene
 Concen: 21.153 ug/l
 RT: 15.11 min Scan# 2193
 Delta R.T. -0.00 min
 Lab File: VY000722.D
 Acq: 18 Nov 2019 13:28

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	36209		
223	62.1	31.3	93.8	
227	60.9	32.4	97.0	





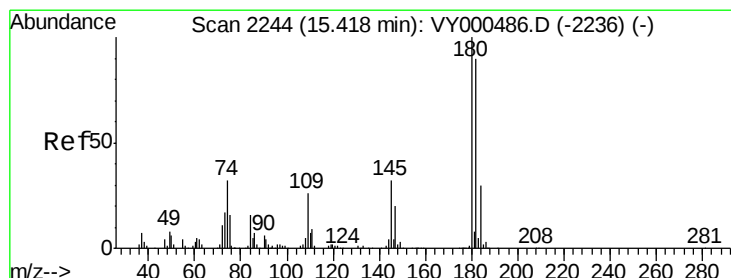
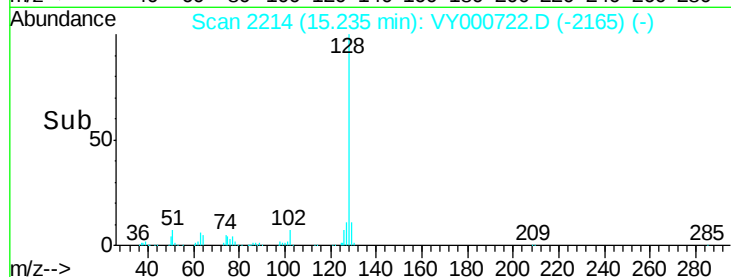
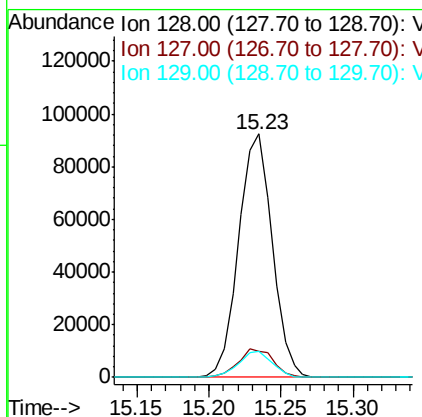
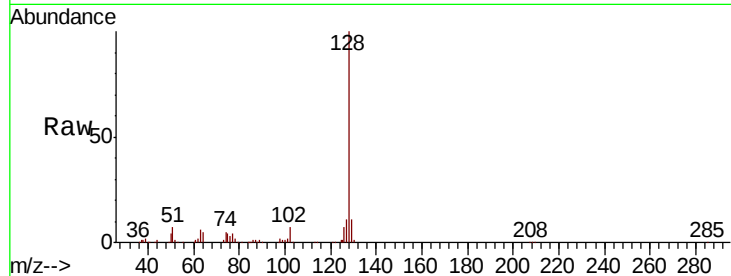
#95
Naphthalene
Concen: 20.309 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VY000722.D
Acq: 18 Nov 2019 13:28

Instrument :
MSVOA_Y
ClientSampleId :
VY1118SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.2	9.8	14.6
129	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDADODA
11/19/2019 12:21:31 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.283 ug/l
RT: 15.42 min Scan# 2245
Delta R.T. 0.01 min
Lab File: VY000722.D
Acq: 18 Nov 2019 13:28

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.8	47.4	142.3
145	31.0	15.7	47.0

