

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY121219\
 Data File : VY000929.D
 Acq On : 12 Dec 2019 13:04
 Operator : SY/MD
 Sample : VY1212SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1212SBS01

Manual Integrations
 APPROVED

apatel
 12/13/2019 10:33:43 AM

Quant Time: Dec 13 08:47:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112719S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 27 12:40:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	277367	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	484296	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	435938	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	200624	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.14	65	147082	49.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.80%	
35) Dibromofluoromethane	7.72	113	138100	48.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.86%	
50) Toluene-d8	10.17	98	577456	51.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.34%	
62) 4-Bromofluorobenzene	12.47	95	202869	47.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	55948	18.738	ug/l	98
3) Chloromethane	2.11	50	71111	19.321	ug/l	98
4) Vinyl Chloride	2.25	62	71714	19.771	ug/l	99
5) Bromomethane	2.64	94	44925	19.017	ug/l	100
6) Chloroethane	2.79	64	44600	20.054	ug/l	98
7) Trichlorofluoromethane	3.12	101	98773	19.870	ug/l	99
8) Diethyl Ether	3.53	74	37067	19.812	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.90	101	62768	20.447	ug/l	99
10) Methyl Iodide	4.09	142	75631	19.568	ug/l	97
11) Tert butyl alcohol	4.97	59	28707	96.814	ug/l #	91
12) 1,1-Dichloroethene	3.87	96	63113	20.753	ug/l	100
13) Acrolein	3.73	56	29773	101.931	ug/l	96
14) Allyl chloride	4.49	41	106513	20.426	ug/l	99
15) Acrylonitrile	5.17	53	103854	107.496	ug/l	98
16) Acetone	3.96	43	73446	108.632	ug/l	97
17) Carbon Disulfide	4.19	76	192916	19.613	ug/l	99
18) Methyl Acetate	4.49	43	55305	19.563	ug/l	98
19) Methyl tert-butyl Ether	5.22	73	170813	21.031	ug/l	93
20) Methylene Chloride	4.71	84	88716	24.893	ug/l	100
21) trans-1,2-Dichloroethene	5.21	96	72005	20.831	ug/l	99
22) Diisopropyl ether	6.12	45	226479	21.131	ug/l #	92
23) Vinyl Acetate	6.07	43	704932	108.192	ug/l	99
24) 1,1-Dichloroethane	6.02	63	126262	21.375	ug/l	97
25) 2-Butanone	6.99	43	128308	102.734	ug/l	98
26) 2,2-Dichloropropane	6.99	77	103032	20.724	ug/l	99
27) cis-1,2-Dichloroethene	6.99	96	77814	20.826	ug/l	98
28) Bromochloromethane	7.34	49	29544	15.106	ug/l	94
29) Tetrahydrofuran	7.35	42	89283	107.881	ug/l	97
30) Chloroform	7.51	83	117362	19.805	ug/l	99
31) Cyclohexane	7.78	56	127041	20.302	ug/l	97
32) 1,1,1-Trichloroethane	7.71	97	100481	20.535	ug/l	100
36) 1,1-Dichloropropene	7.92	75	98583	20.473	ug/l	98
37) Ethyl Acetate	7.08	43	58257	20.952	ug/l	99
38) Carbon Tetrachloride	7.90	117	87527	20.410	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY121219\
 Data File : VY000929.D
 Acq On : 12 Dec 2019 13:04
 Operator : SY/MD
 Sample : VY1212SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1212SBS01

Manual Integrations
 APPROVED

apatel
 12/13/2019 10:33:43 AM

Quant Time: Dec 13 08:47:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112719S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 27 12:40:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	126429	19.817	ug/l	99
40) Benzene	8.16	78	293289	20.910	ug/l	97
41) Methacrylonitrile	7.32	41	25289m	17.257	ug/l	
42) 1,2-Dichloroethane	8.24	62	75552	20.482	ug/l	100
43) Isopropyl Acetate	8.27	43	107413	20.500	ug/l	99
44) Trichloroethene	8.94	130	75602	20.973	ug/l	95
45) 1,2-Dichloropropane	9.22	63	72946	20.705	ug/l	96
46) Dibromomethane	9.31	93	39264	21.330	ug/l	98
47) Bromodichloromethane	9.50	83	87161	20.156	ug/l	97
48) Methyl methacrylate	9.29	41	49889	21.652	ug/l	99
49) 1,4-Dioxane	9.31	88	11639	446.228	ug/l	99
51) 4-Methyl-2-Pentanone	10.07	43	291744	107.765	ug/l	99
52) Toluene	10.24	92	182256	20.986	ug/l	99
53) t-1,3-Dichloropropene	10.46	75	98432	21.186	ug/l	99
54) cis-1,3-Dichloropropene	9.92	75	115103	20.960	ug/l	96
55) 1,1,2-Trichloroethane	10.64	97	58292	21.433	ug/l	97
56) Ethyl methacrylate	10.50	69	82874	21.301	ug/l	99
57) 1,3-Dichloropropane	10.79	76	101124	21.334	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	163835	104.437	ug/l	98
59) 2-Hexanone	10.83	43	202575	102.689	ug/l	97
60) Dibromochloromethane	10.98	129	61912	21.146	ug/l	98
61) 1,2-Dibromoethane	11.08	107	52305	20.407	ug/l	97
64) Tetrachloroethene	10.72	164	82738	21.845	ug/l	94
65) Chlorobenzene	11.51	112	189030	20.860	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	64420	21.095	ug/l	99
67) Ethyl Benzene	11.59	91	350627	20.776	ug/l	98
68) m/p-Xylenes	11.70	106	263516	41.601	ug/l	98
69) o-Xylene	12.02	106	126133	21.356	ug/l	95
70) Styrene	12.04	104	221164	21.869	ug/l	97
71) Bromoform	12.20	173	36106	20.963	ug/l	# 96
73) Isopropylbenzene	12.33	105	328599	20.571	ug/l	99
74) N-amyl acetate	12.14	43	92752	20.861	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	63530	20.184	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	53190m	23.400	ug/l	
77) Bromobenzene	12.61	156	73846	21.327	ug/l	97
78) n-propylbenzene	12.66	91	404978	20.763	ug/l	99
79) 2-Chlorotoluene	12.75	91	220891	20.500	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	275899	20.860	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	24584	21.245	ug/l	97
82) 4-Chlorotoluene	12.85	91	230671	20.778	ug/l	98
83) tert-Butylbenzene	13.07	119	229238	20.615	ug/l	99
84) 1,2,4-Trimethylbenzene	13.11	105	276734	20.913	ug/l	99
85) sec-Butylbenzene	13.25	105	334451	20.681	ug/l	100
86) p-Isopropyltoluene	13.36	119	298393	21.213	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	143699	21.155	ug/l	98
88) 1,4-Dichlorobenzene	13.44	146	142485	21.185	ug/l	99
89) n-Butylbenzene	13.69	91	300328	21.118	ug/l	99
90) Hexachloroethane	13.95	117	56080	21.643	ug/l	97
91) 1,2-Dichlorobenzene	13.74	146	129518	21.198	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.35	75	11478	21.782	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY121219\
Data File : VY000929.D
Acq On : 12 Dec 2019 13:04
Operator : SY/MD
Sample : VY1212SBS01
Misc : 5.00G/5ML/MSVOA Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1212SBS01

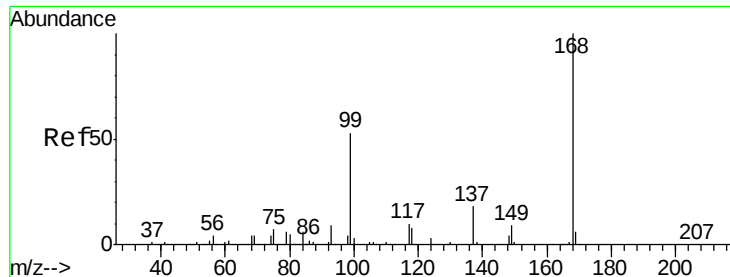
Manual Integrations
APPROVED

apatel
12/13/2019 10:33:43 AM

Quant Time: Dec 13 08:47:56 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112719S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 27 12:40:47 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	87262	21.106	ug/l	96
94) Hexachlorobutadiene	15.11	225	43183	21.067	ug/l	99
95) Naphthalene	15.23	128	207797	21.645	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	82124	22.238	ug/l	97

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



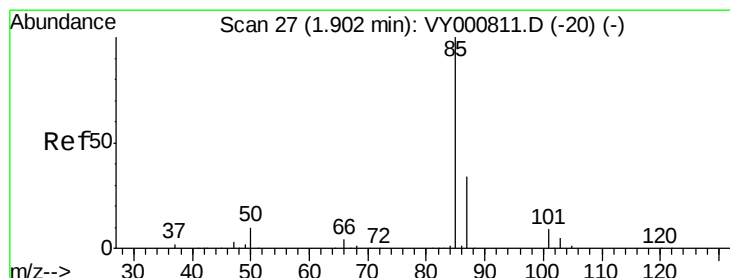
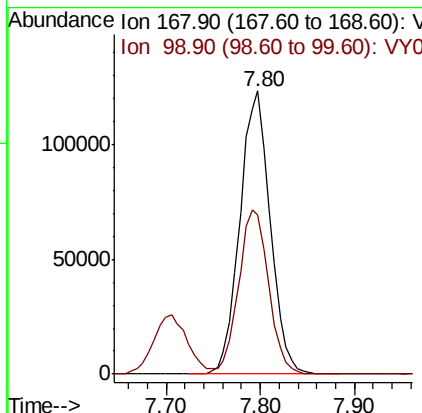
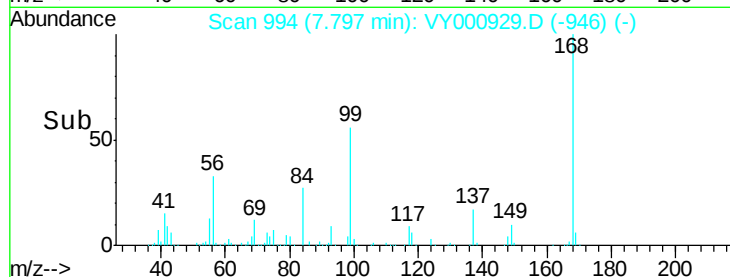
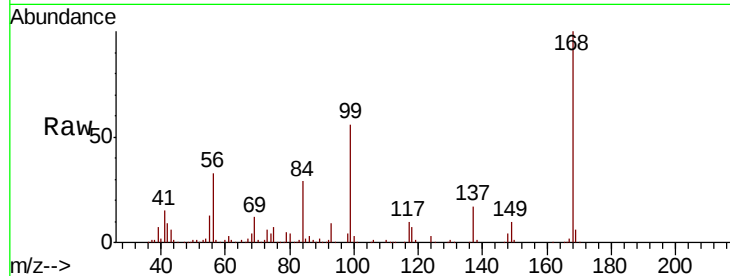
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.01 min
Lab File: VY000929.D
Acq: 12 Dec 2019 13:04

Instrument :
MSVOA_Y
ClientSampleId :
VY1212SBS01

Tot Ion	Ratio	Lower	Upper
168	100		
99	56.3	45.0	67.6

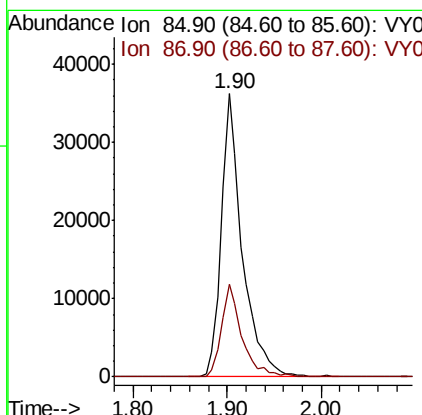
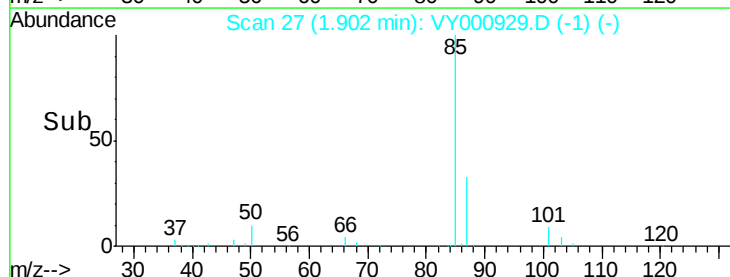
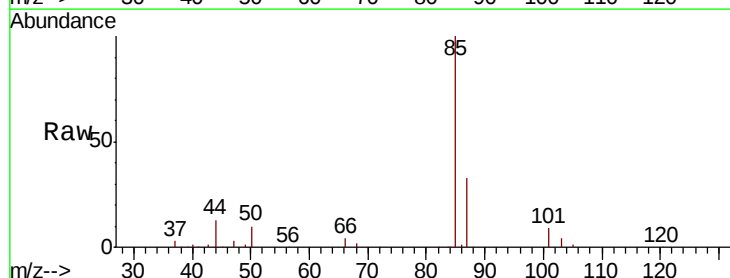
Manual Integrations
APPROVED

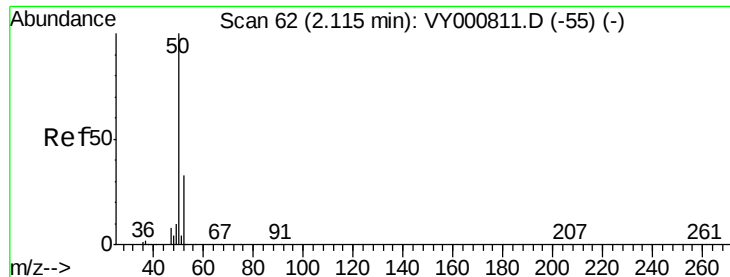
apatel
12/13/2019 10:33:43 AM



#2
Dichlorodifluoromethane
Concen: 18.738 ug/l
RT: 1.90 min Scan# 27
Delta R.T. 0.00 min
Lab File: VY000929.D
Acq: 12 Dec 2019 13:04

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.5	16.8	50.3





#3

Chloromethane

Concen: 19.321 ug/l

RT: 2.11 min Scan# 61

Delta R.T. -0.01 min

Lab File: VY000929.D

Acq: 12 Dec 2019 13:04

Instrument :

MSVOA_Y

ClientSampleId :

VY1212SBS01

Tot Ion: 50 Resp: 71111

Ion Ratio Lower Upper

50 100

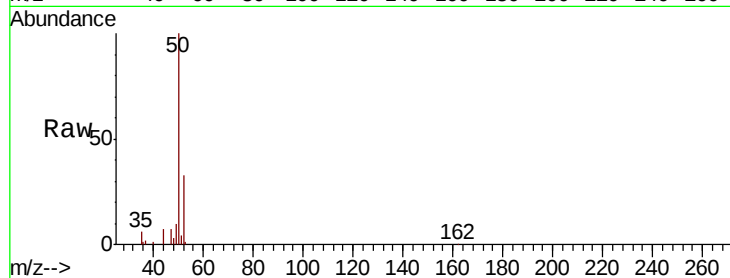
52 33.3 26.0 39.0

Manual Integrations

APPROVED

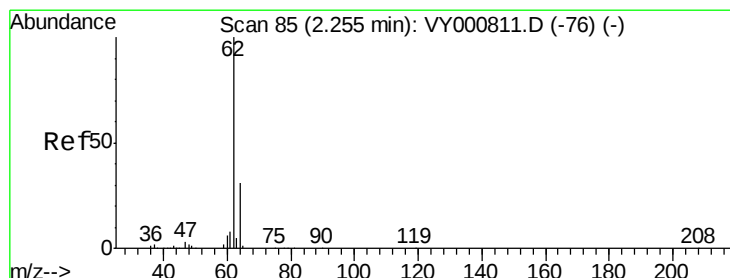
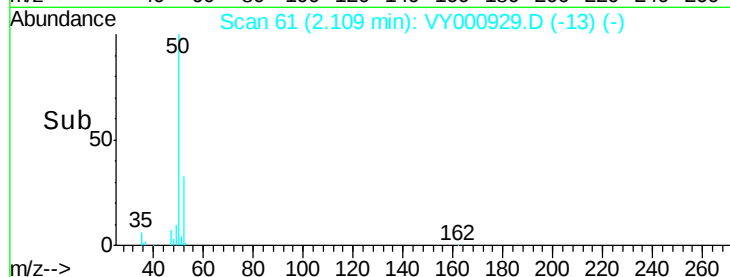
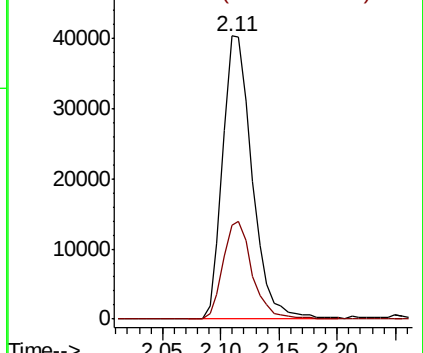
apatel

12/13/2019 10:33:43 AM



Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 19.771 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.01 min

Lab File: VY000929.D

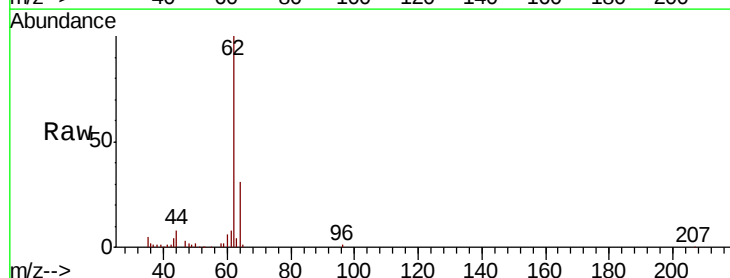
Acq: 12 Dec 2019 13:04

Tgt Ion: 62 Resp: 71714

Ion Ratio Lower Upper

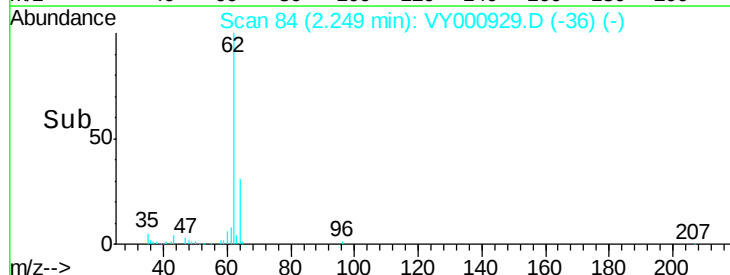
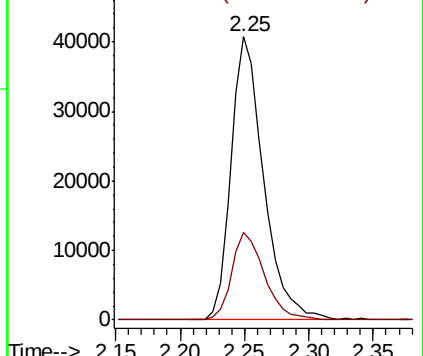
62 100

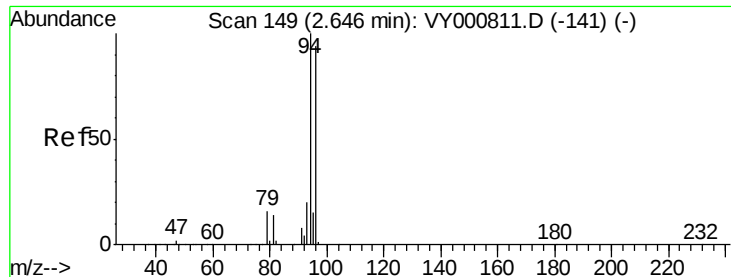
64 31.0 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 19.017 ug/l

RT: 2.64 min Scan# 148

Delta R.T. -0.01 min

Lab File: VY000929.D

Acq: 12 Dec 2019 13:04

Instrument :

MSVOA_Y

ClientSampleId :

VY1212SBS01

Tot Ion: 94 Resp: 44925

Ion Ratio Lower Upper

94 100

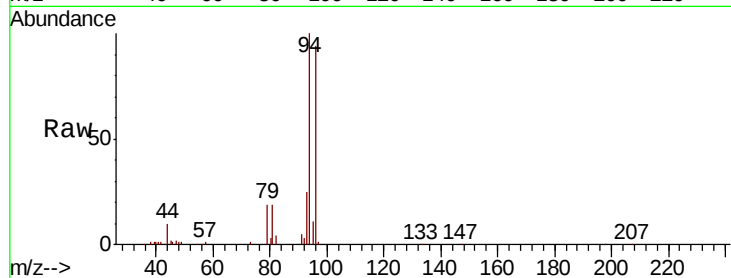
96 94.5 75.2 112.8

Manual Integrations

APPROVED

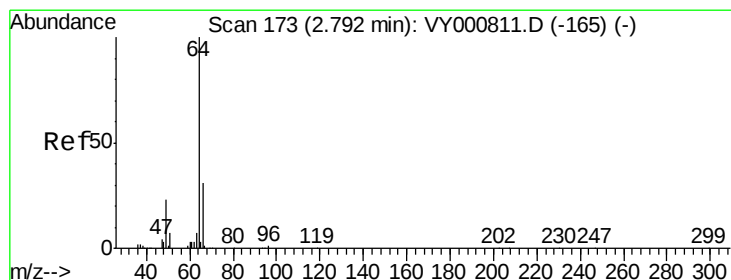
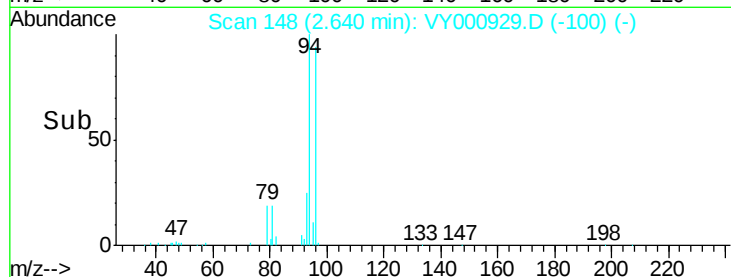
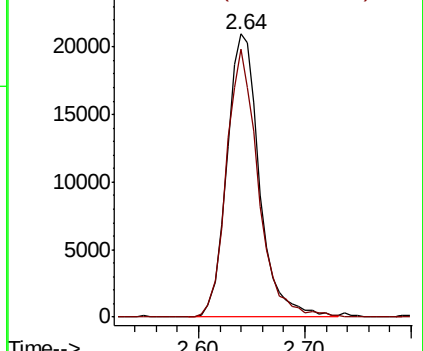
apatel

12/13/2019 10:33:43 AM



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 20.054 ug/l

RT: 2.79 min Scan# 172

Delta R.T. -0.01 min

Lab File: VY000929.D

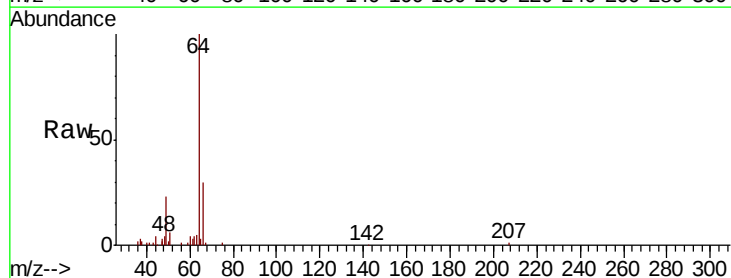
Acq: 12 Dec 2019 13:04

Tgt Ion: 64 Resp: 44600

Ion Ratio Lower Upper

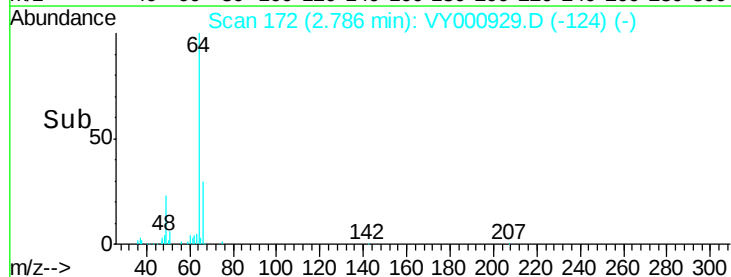
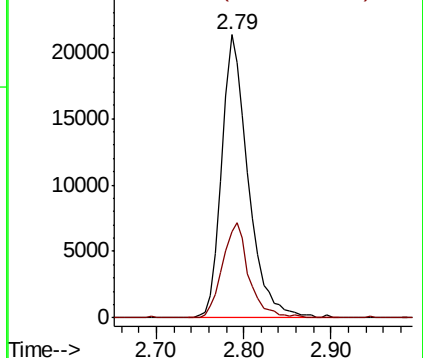
64 100

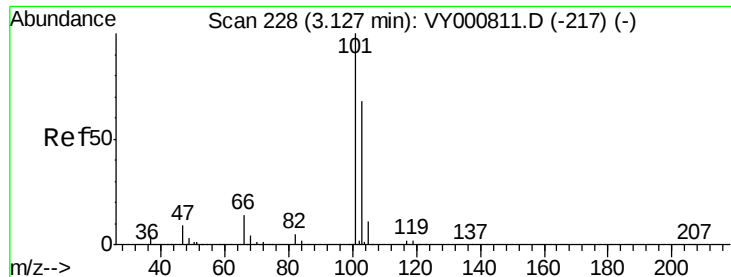
66 30.3 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

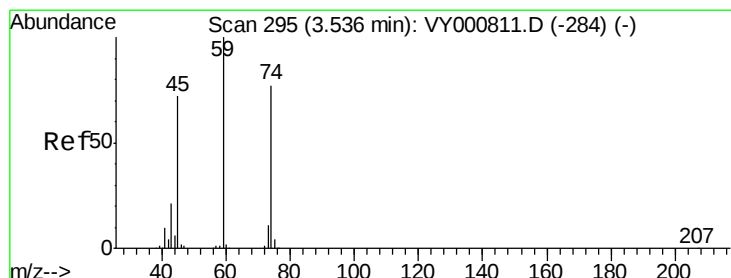
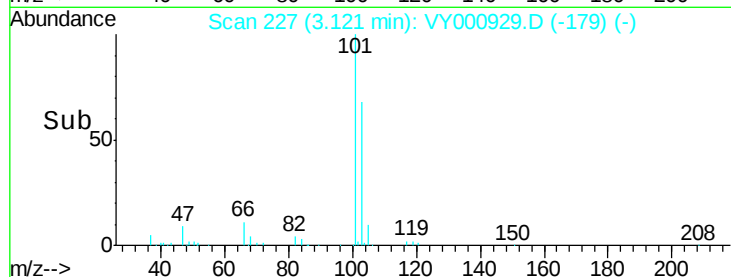
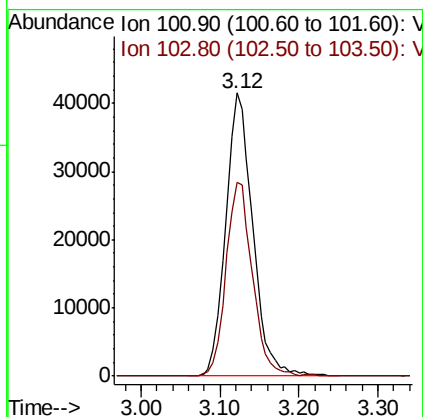
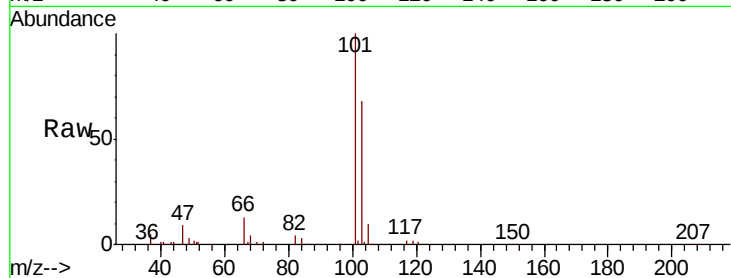
Trichlorofluoromethane
 Concen: 19.870 ug/l
 RT: 3.12 min Scan# 227
 Delta R.T. -0.01 min
 Lab File: VY000929.D
 Acq: 12 Dec 2019 13:04

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1212SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	68.5	54.2	81.2

Manual Integrations
 APPROVED

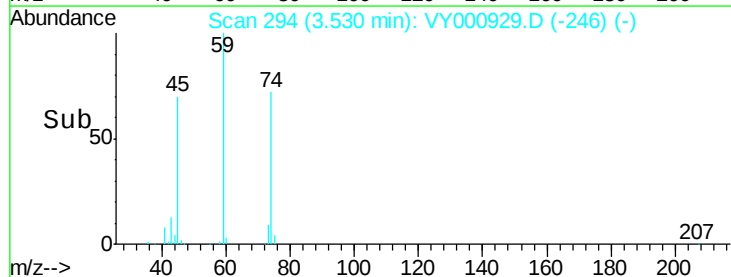
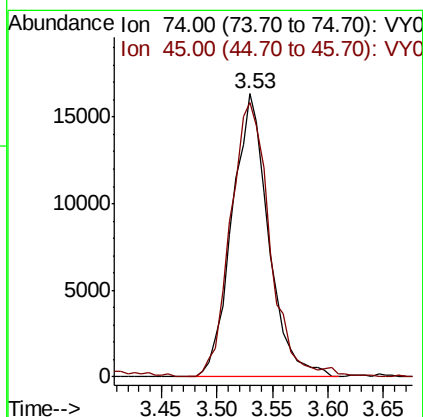
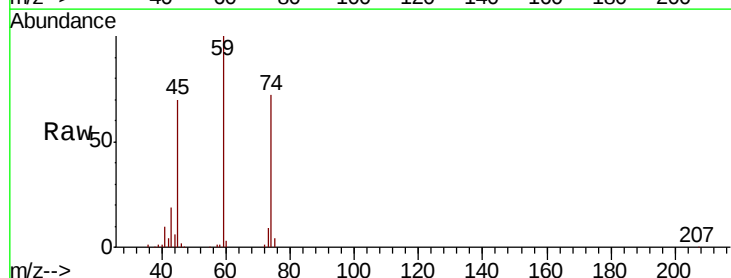
apatel
 12/13/2019 10:33:43 AM

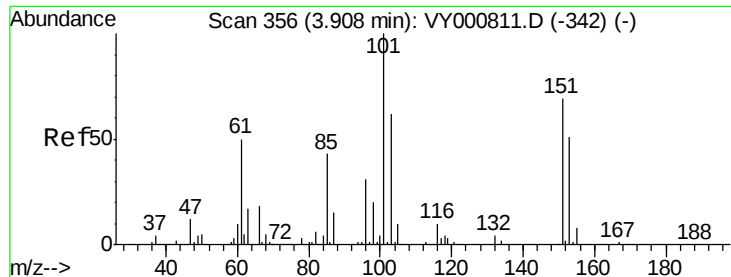


#8

Diethyl Ether
 Concen: 19.812 ug/l
 RT: 3.53 min Scan# 294
 Delta R.T. -0.01 min
 Lab File: VY000929.D
 Acq: 12 Dec 2019 13:04

Tgt Ion	Ratio	Lower	Upper
74	100		
45	105.2	49.0	147.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.447 ug/l

RT: 3.90 min Scan# 354

Delta R.T. -0.01 min

Lab File: VY000929.D

Acq: 12 Dec 2019 13:04

Instrument :

MSVOA_Y

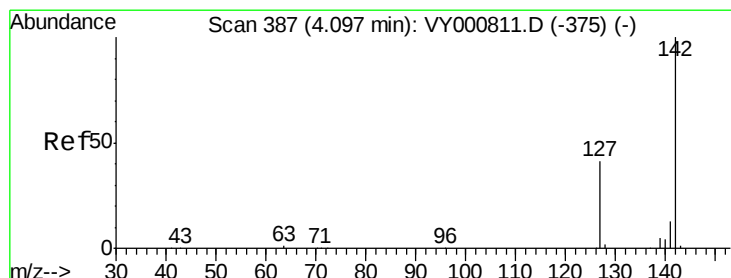
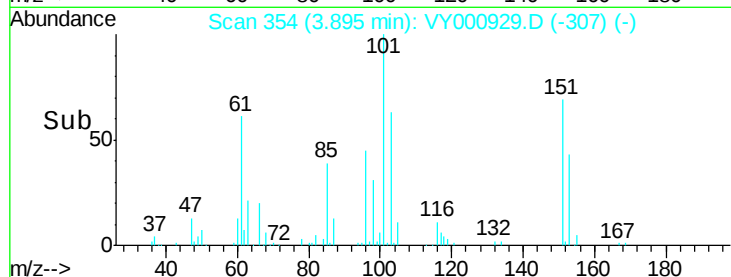
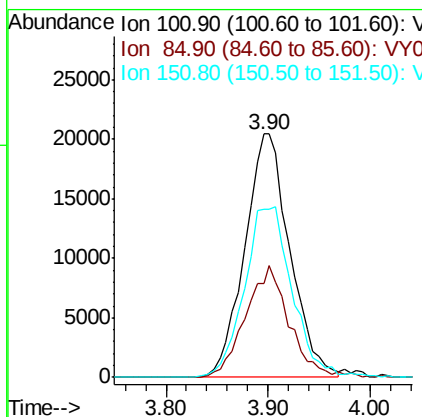
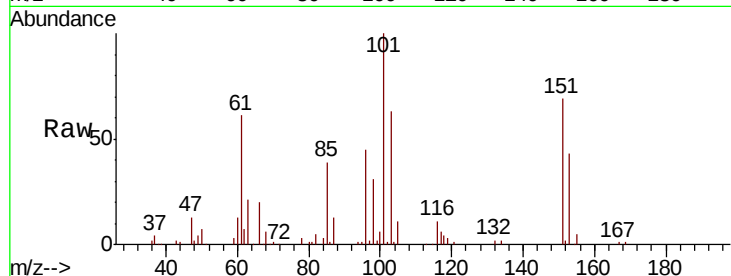
ClientSampleId :

VY1212SBS01

Tot Ion:	101	Resp:	62768
Ion Ratio	Lower	Upper	
101	100		
85	44.3	36.0	54.0
151	73.7	58.2	87.2

Manual Integrations
APPROVED

apatel
12/13/2019 10:33:43 AM



#10

Methyl Iodide

Concen: 19.568 ug/l

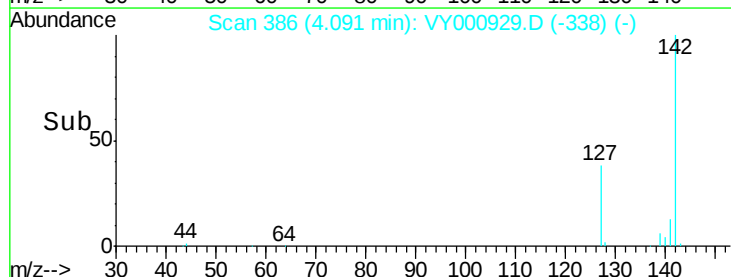
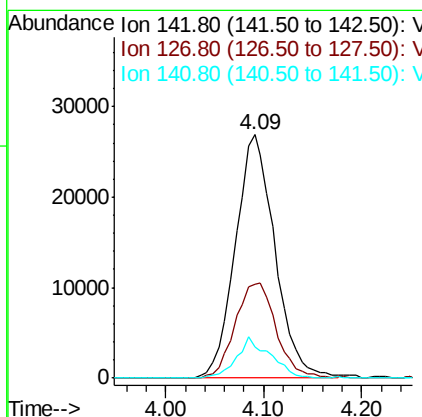
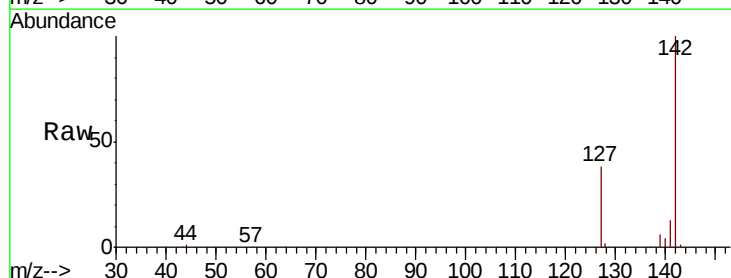
RT: 4.09 min Scan# 386

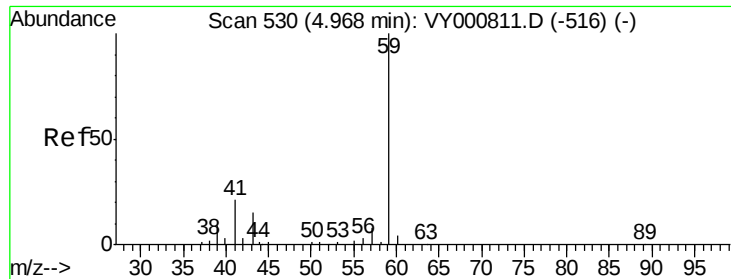
Delta R.T. -0.01 min

Lab File: VY000929.D

Acq: 12 Dec 2019 13:04

Tgt Ion:	142	Resp:	75631
Ion Ratio	Lower	Upper	
142	100		
127	40.5	33.8	50.8
141	14.3	10.9	16.3





#11

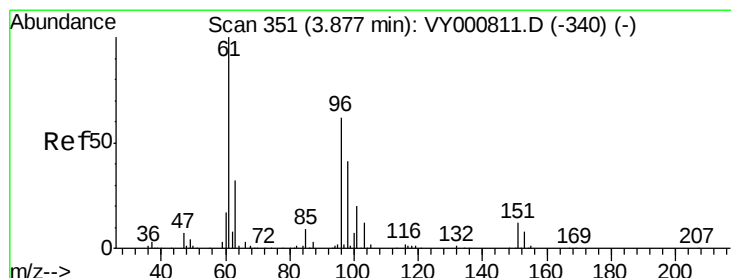
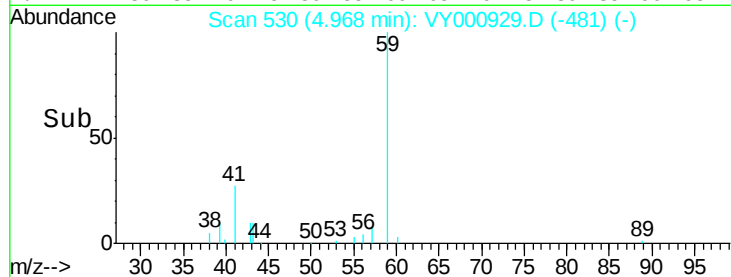
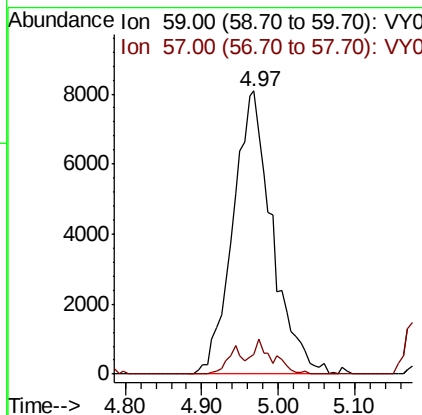
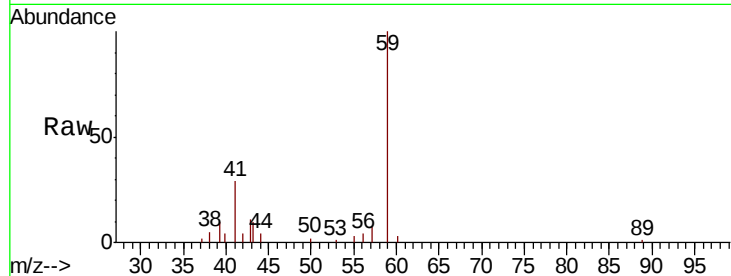
Tert butyl alcohol
 Concen: 96.814 ug/l
 RT: 4.97 min Scan# 530
 Delta R.T. 0.00 min
 Lab File: VY000929.D
 Acq: 12 Dec 2019 13:04

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1212SBS01

Tot Ion: 59 Resp: 28707
 Ion Ratio Lower Upper
 59 100
 57 6.5 7.8 11.6#

Manual Integrations
 APPROVED

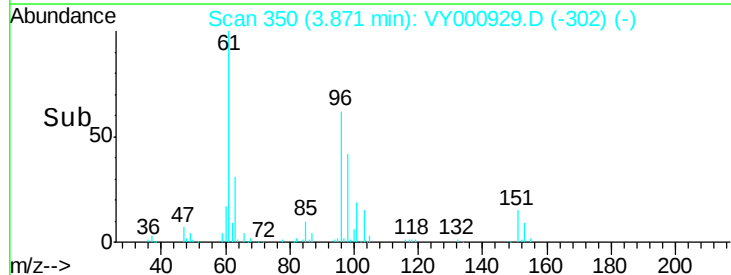
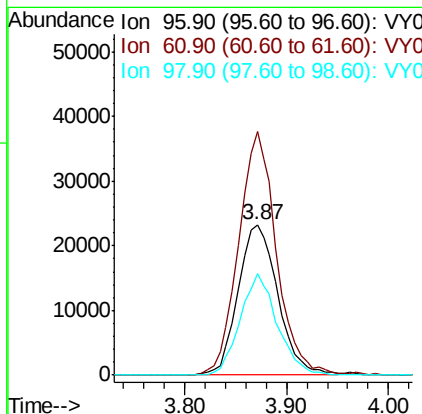
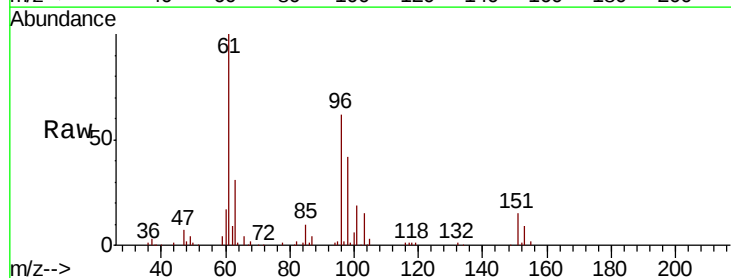
apatel
 12/13/2019 10:33:43 AM

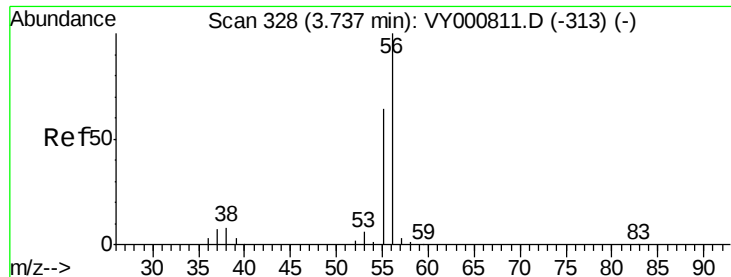


#12

1,1-Dichloroethene
 Concen: 20.753 ug/l
 RT: 3.87 min Scan# 350
 Delta R.T. -0.01 min
 Lab File: VY000929.D
 Acq: 12 Dec 2019 13:04

Tgt Ion: 96 Resp: 63113
 Ion Ratio Lower Upper
 96 100
 61 161.5 129.4 194.2
 98 67.6 53.4 80.0





#13

Acrolein

Concen: 101.931 ug/l

RT: 3.73 min Scan# 327

Delta R.T. -0.01 min

Lab File: VY000929.D

Acq: 12 Dec 2019 13:04

Instrument :

MSVOA_Y

ClientSampleId :

VY1212SBS01

Tot Ion: 56 Resp: 29773

Ion Ratio Lower Upper

56 100

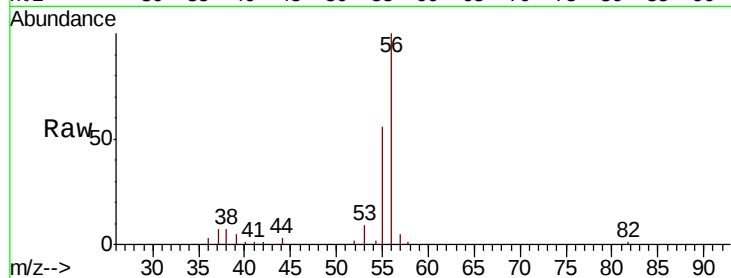
55 66.6 55.7 83.5

Manual Integrations

APPROVED

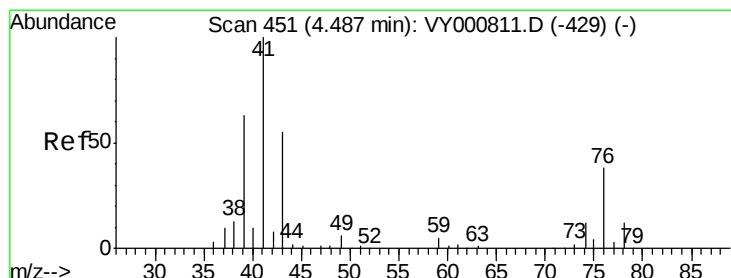
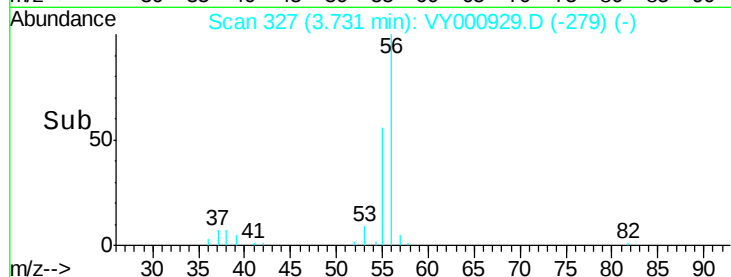
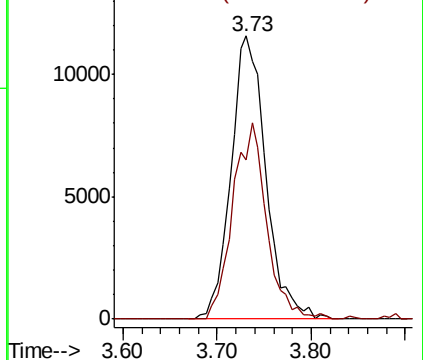
apatel

12/13/2019 10:33:43 AM



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0



#14

Allyl chloride

Concen: 20.426 ug/l

RT: 4.49 min Scan# 451

Delta R.T. 0.00 min

Lab File: VY000929.D

Acq: 12 Dec 2019 13:04

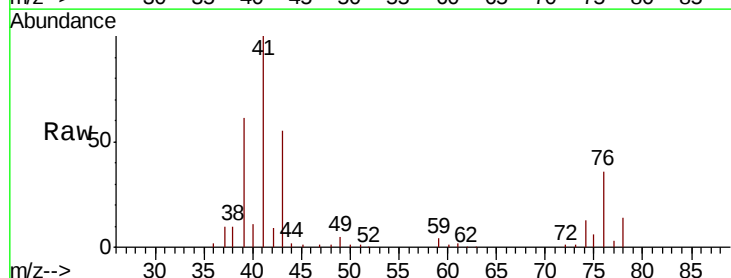
Tgt Ion: 41 Resp: 106513

Ion Ratio Lower Upper

41 100

39 60.9 49.2 73.8

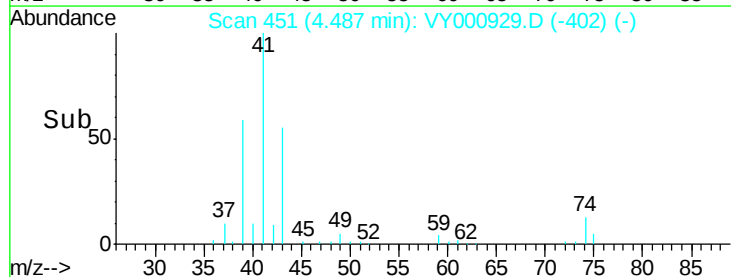
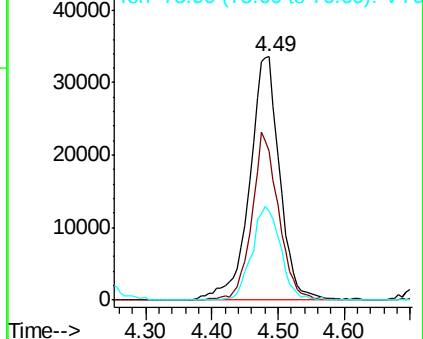
76 36.3 29.2 43.8

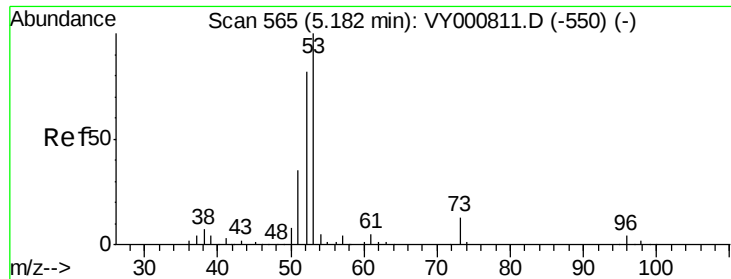


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 75.90 (75.60 to 76.60): VY0





#15

Acrylonitrile

Concen: 107.496 ug/l

RT: 5.17 min Scan# 563

Delta R.T. -0.01 min

Lab File: VY000929.D

Acq: 12 Dec 2019 13:04

Instrument :

MSVOA_Y

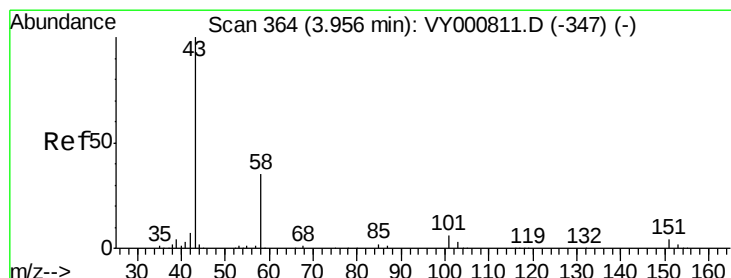
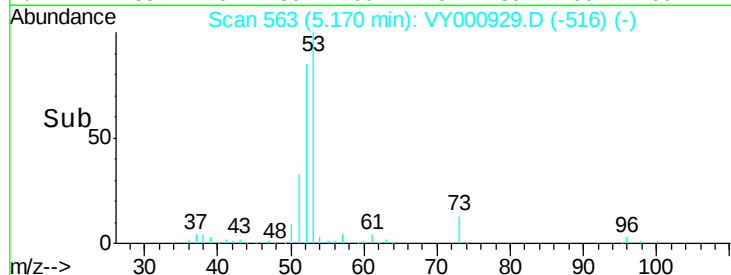
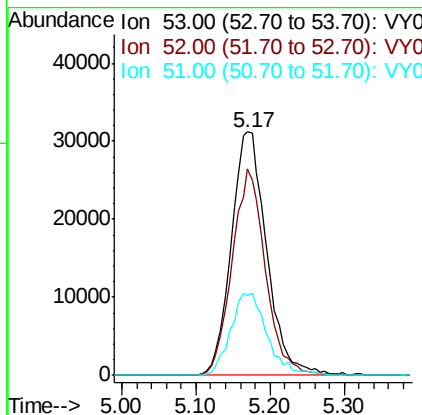
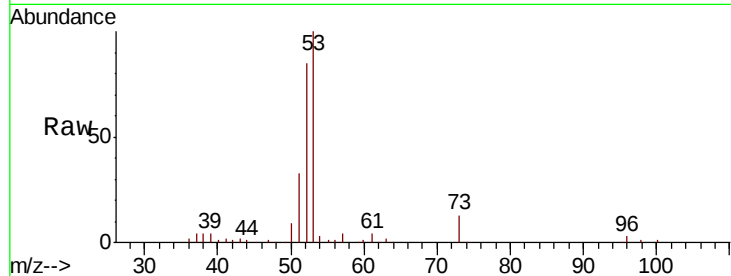
ClientSampleId :

VY1212SBS01

Tot Ion:	53	Resp:	103854
Ion	Ratio	Lower	Upper
53	100		
52	79.8	65.1	97.7
51	35.1	29.0	43.4

Manual Integrations
APPROVED

apatel
12/13/2019 10:33:43 AM



#16

Acetone

Concen: 108.632 ug/l

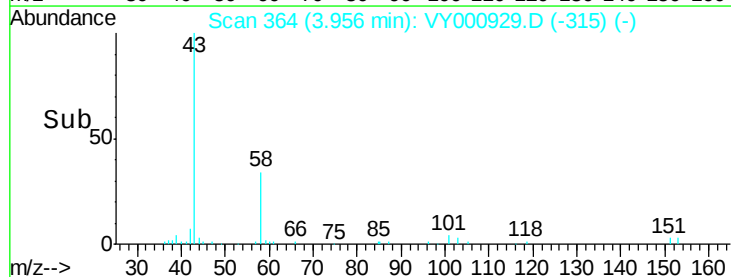
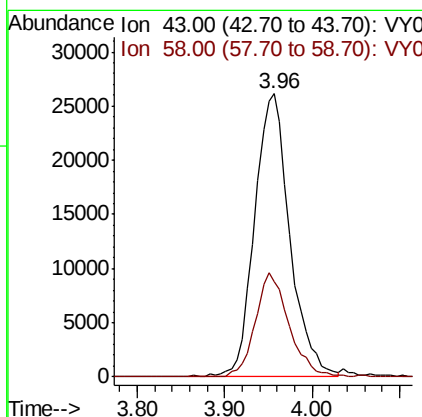
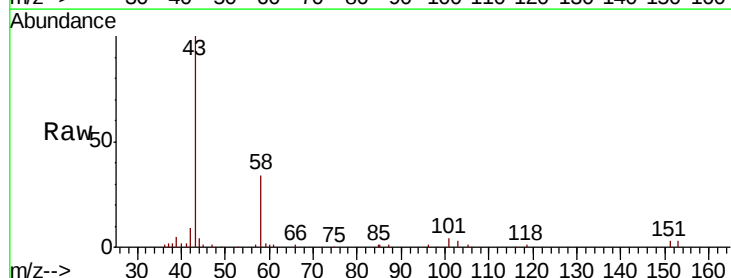
RT: 3.96 min Scan# 364

Delta R.T. 0.00 min

Lab File: VY000929.D

Acq: 12 Dec 2019 13:04

Tgt Ion:	43	Resp:	73446
Ion	Ratio	Lower	Upper
43	100		
58	33.5	28.0	42.0





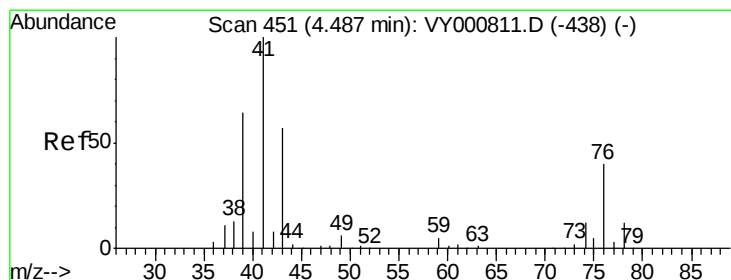
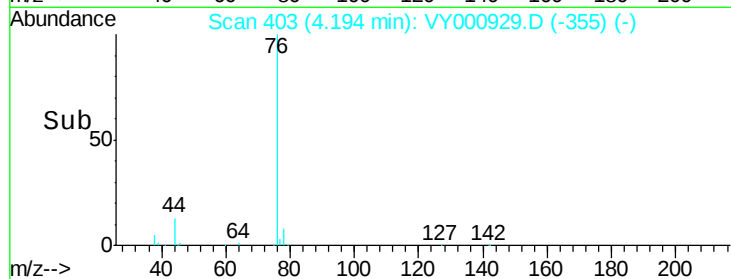
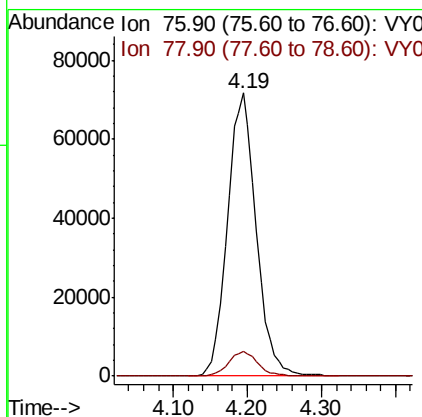
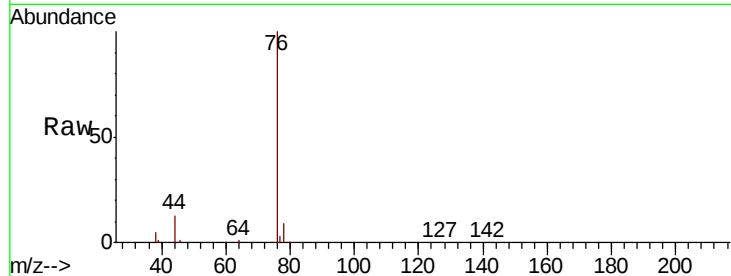
#17
Carbon Disulfide
Concen: 19.613 ug/l
RT: 4.19 min Scan# 403
Delta R.T. -0.01 min
Lab File: VY000929.D
Acq: 12 Dec 2019 13:04

Instrument :
MSVOA_Y
ClientSampleId :
VY1212SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.3	10.9

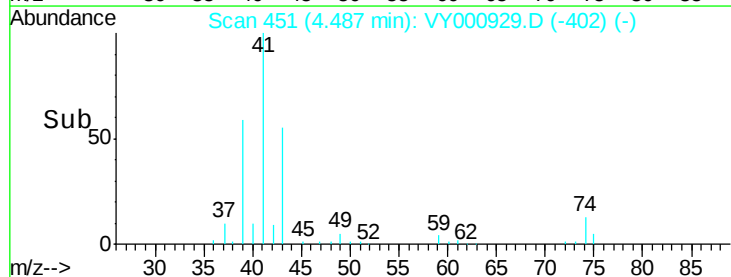
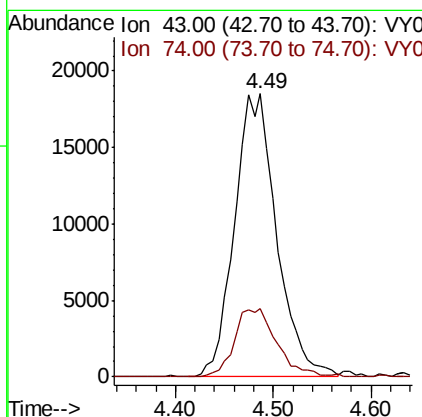
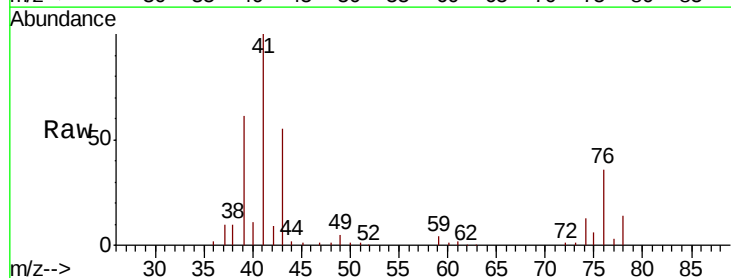
Manual Integrations
APPROVED

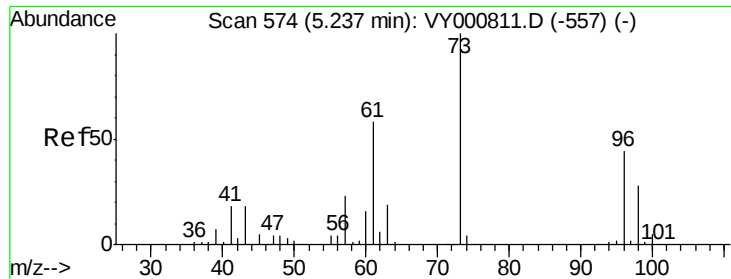
apatel
12/13/2019 10:33:43 AM



#18
Methyl Acetate
Concen: 19.563 ug/l
RT: 4.49 min Scan# 451
Delta R.T. 0.00 min
Lab File: VY000929.D
Acq: 12 Dec 2019 13:04

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.0	18.5	27.7





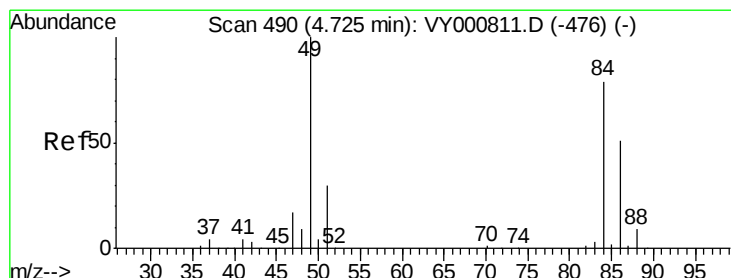
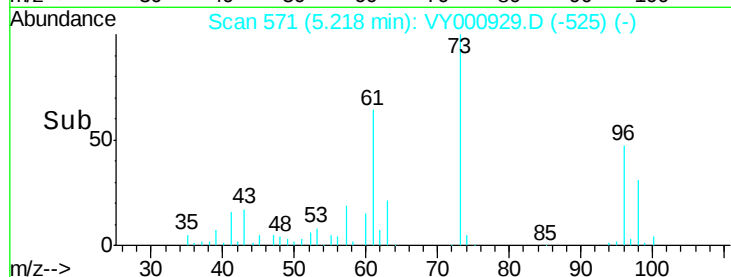
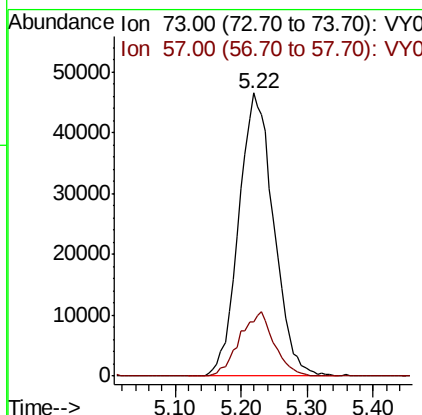
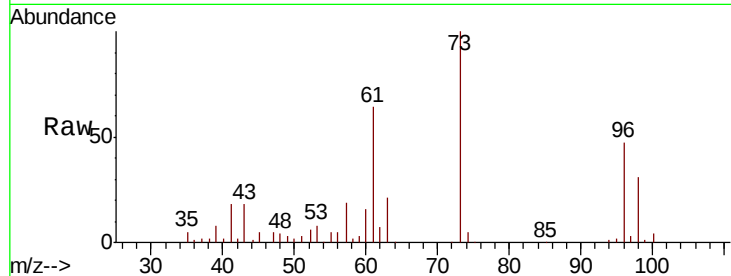
#19
Methvl tert-butvl Ether
Concen: 21.031 ug/l
RT: 5.22 min Scan# 571
Delta R.T. -0.02 min
Lab File: VY000929.D
Acq: 12 Dec 2019 13:04

Instrument :
MSVOA_Y
ClientSampleId :
VY1212SBS01

Tot Ion: 73 Resp: 170813
Ion Ratio Lower Upper
73 100
57 19.3 18.2 27.4

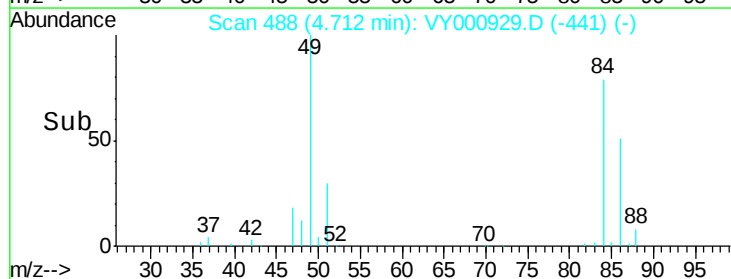
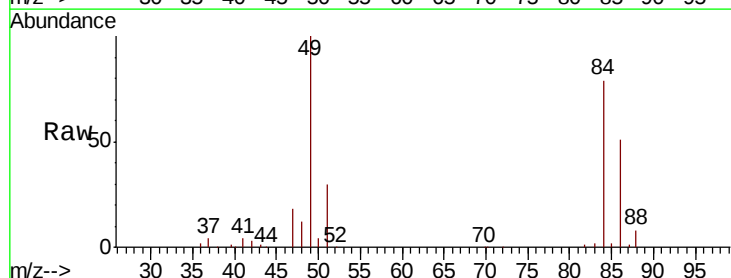
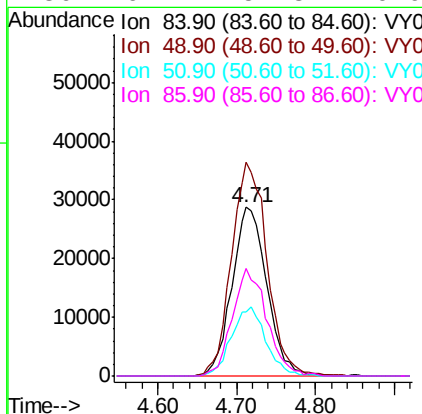
Manual Integrations
APPROVED

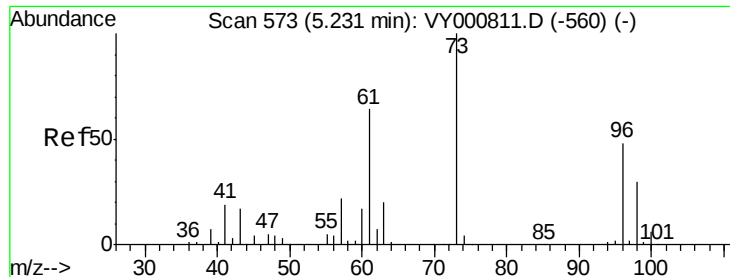
apatel
12/13/2019 10:33:43 AM



#20
Methylene Chloride
Concen: 24.893 ug/l
RT: 4.71 min Scan# 488
Delta R.T. -0.01 min
Lab File: VY000929.D
Acq: 12 Dec 2019 13:04

Tgt Ion: 84 Resp: 88716
Ion Ratio Lower Upper
84 100
49 126.8 101.3 151.9
51 38.1 30.6 45.8
86 64.2 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 20.831 ug/l

RT: 5.21 min Scan# 570

Delta R.T. -0.02 min

Lab File: VY000929.D

Acq: 12 Dec 2019 13:04

Instrument :

MSVOA_Y

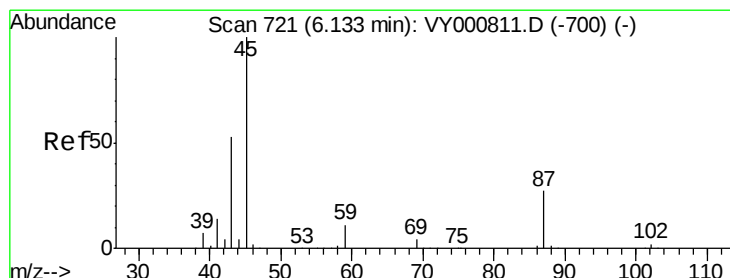
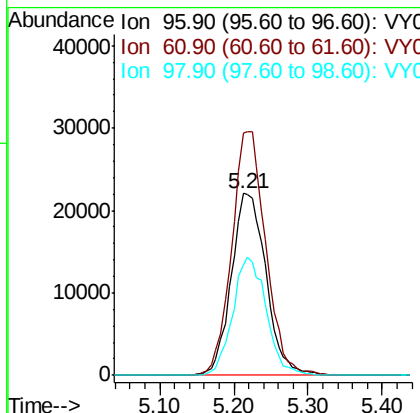
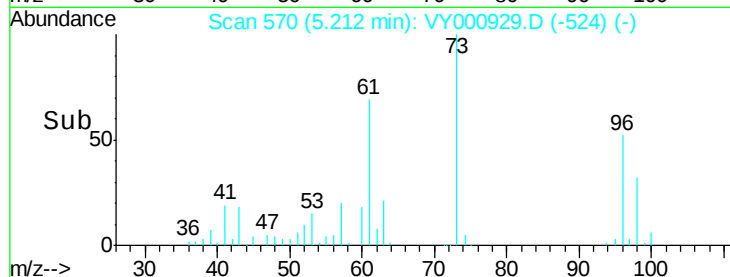
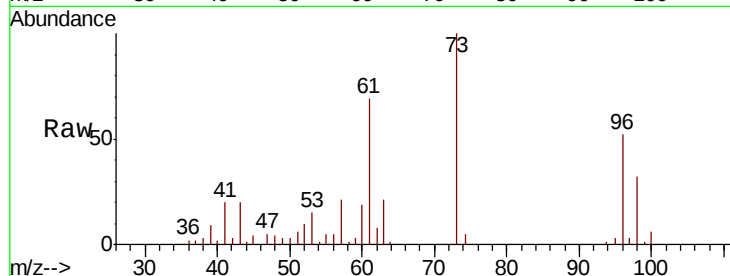
ClientSampleId :

VY1212SBS01

Tot Ion:	96	Resp:	72005
Ion	Ratio	Lower	Upper
96	100		
61	133.0	105.9	158.9
98	60.9	49.4	74.2

Manual Integrations
APPROVED

apatel
12/13/2019 10:33:43 AM



#22

Diisopropyl ether

Concen: 21.131 ug/l

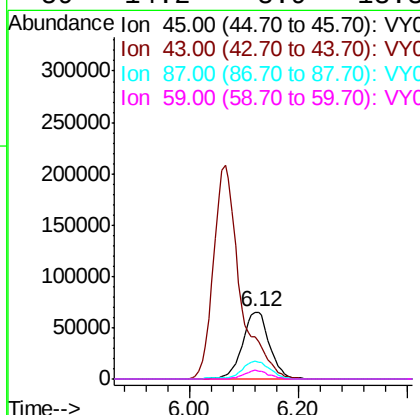
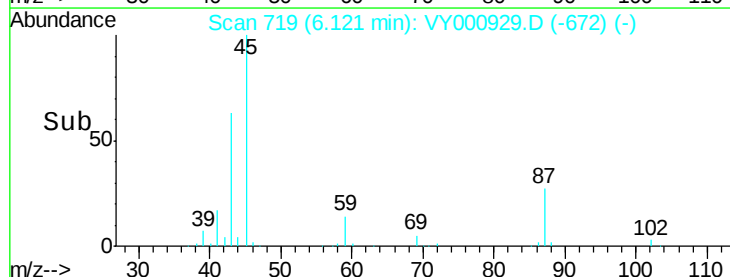
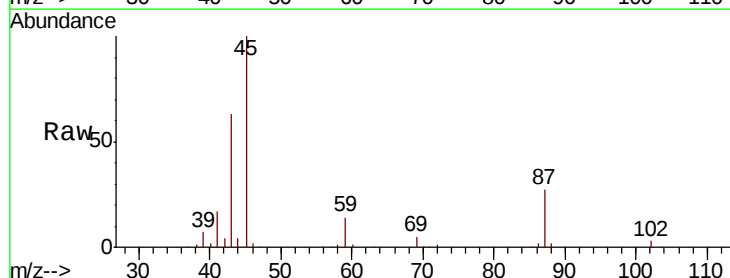
RT: 6.12 min Scan# 719

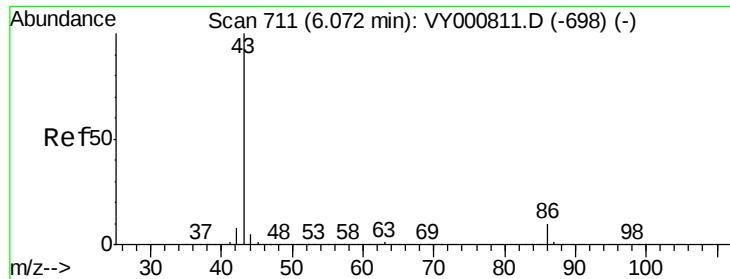
Delta R.T. -0.01 min

Lab File: VY000929.D

Acq: 12 Dec 2019 13:04

Tgt Ion:	45	Resp:	226479
Ion	Ratio	Lower	Upper
45	100		
43	62.1	42.7	64.1
87	27.1	22.0	33.0
59	14.2	8.9	13.3#





#23

Vinyl Acetate

Concen: 108.192 ug/l

RT: 6.07 min Scan# 710

Delta R.T. -0.01 min

Lab File: VY000929.D

Acq: 12 Dec 2019 13:04

Instrument :

MSVOA_Y

ClientSampleId :

VY1212SBS01

Tot Ion: 43 Resp: 704932

Ion Ratio Lower Upper

43 100

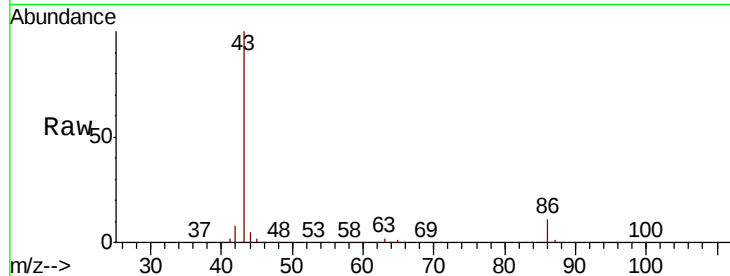
86 10.7 8.3 12.5

Manual Integrations

APPROVED

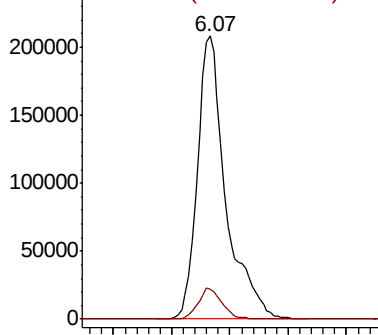
apatel

12/13/2019 10:33:43 AM

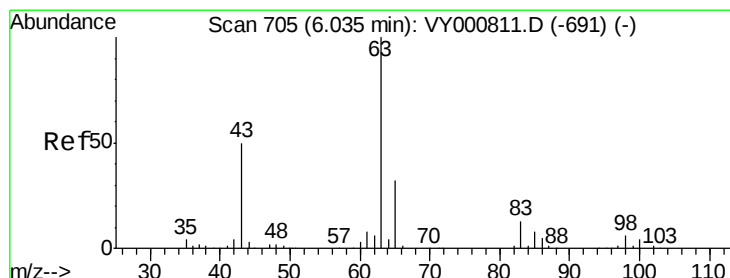
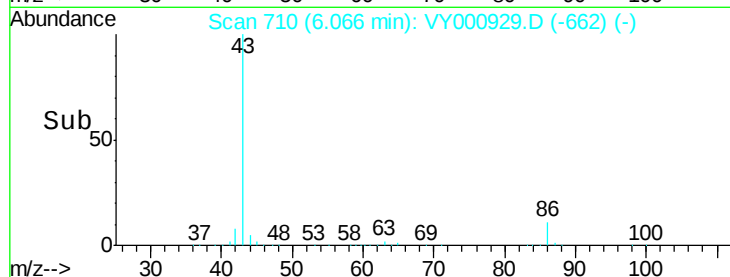


Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



Time-->



#24

1,1-Dichloroethane

Concen: 21.375 ug/l

RT: 6.02 min Scan# 702

Delta R.T. -0.02 min

Lab File: VY000929.D

Acq: 12 Dec 2019 13:04

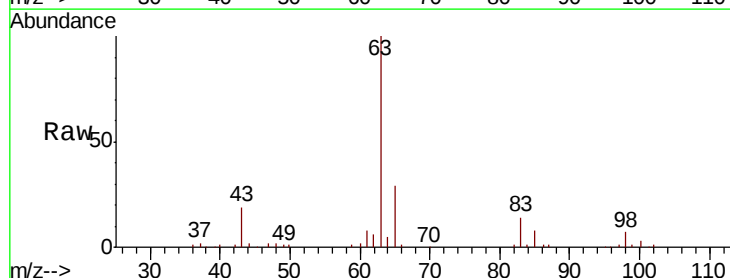
Tgt Ion: 63 Resp: 126262

Ion Ratio Lower Upper

63 100

98 7.5 3.3 9.8

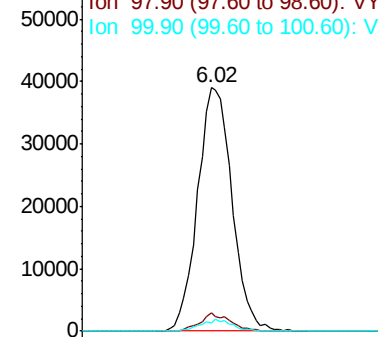
100 3.4 2.2 6.6



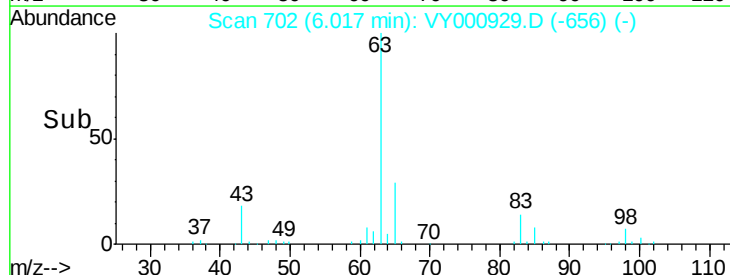
Abundance Ion 62.90 (62.60 to 63.60): VY0

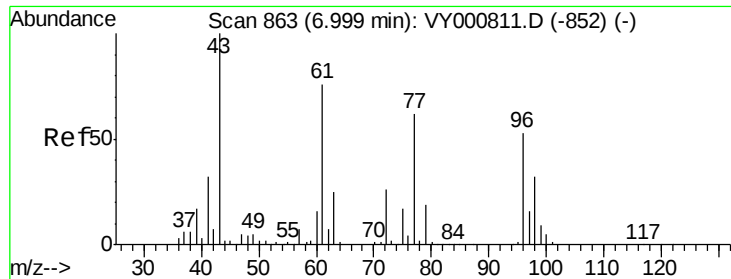
Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0



Time-->





#25

2-Butanone

Concen: 102.734 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.01 min

Lab File: VY000929.D

Acq: 12 Dec 2019 13:04

Instrument :

MSVOA_Y

ClientSampleId :

VY1212SBS01

Tot Ion: 43 Resp: 128308

Ion Ratio Lower Upper

43 100

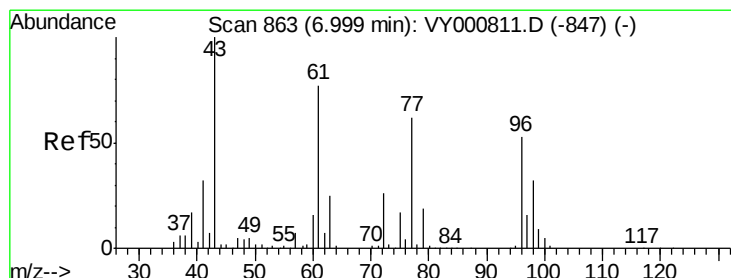
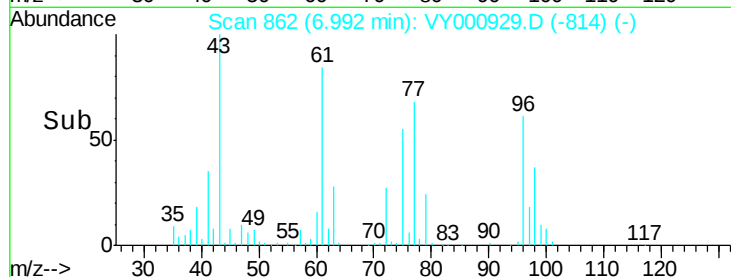
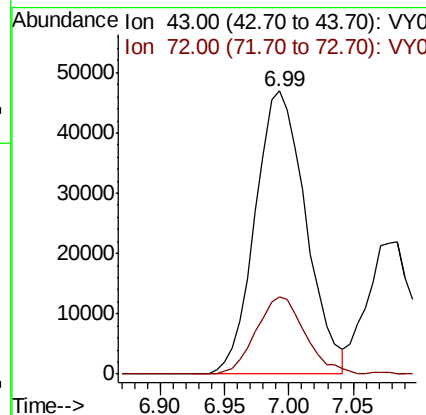
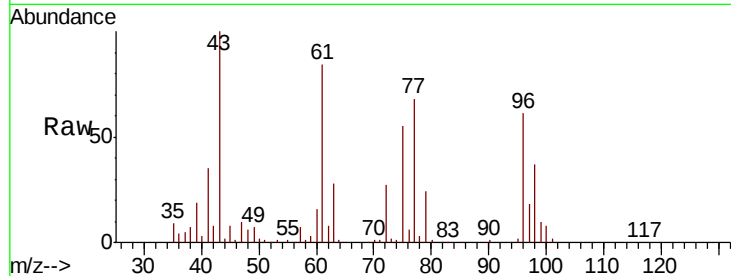
72 27.3 21.0 31.4

Manual Integrations

APPROVED

apatel

12/13/2019 10:33:43 AM



#26

2,2-Dichloropropane

Concen: 20.724 ug/l

RT: 6.99 min Scan# 861

Delta R.T. -0.01 min

Lab File: VY000929.D

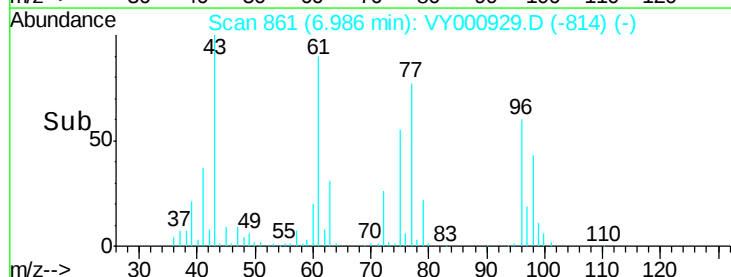
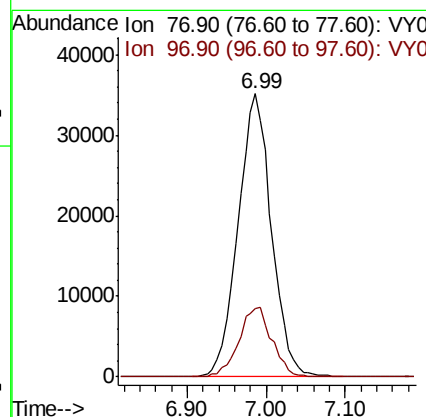
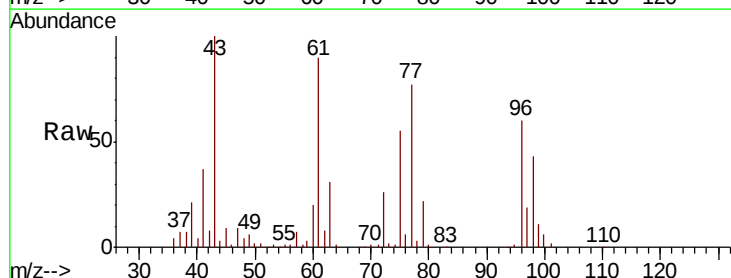
Acq: 12 Dec 2019 13:04

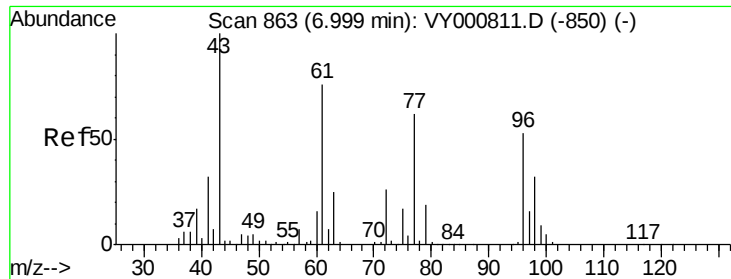
Tgt Ion: 77 Resp: 103032

Ion Ratio Lower Upper

77 100

97 24.2 11.9 35.9





#27

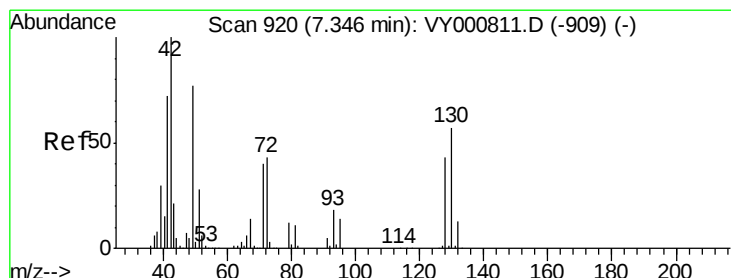
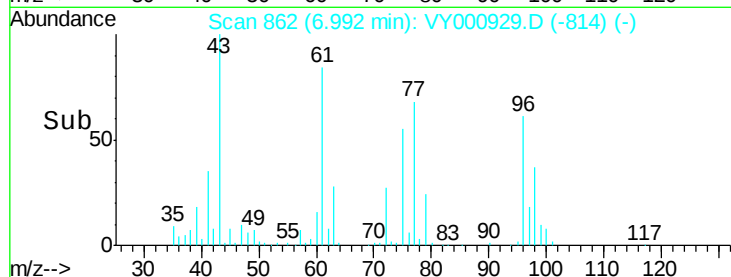
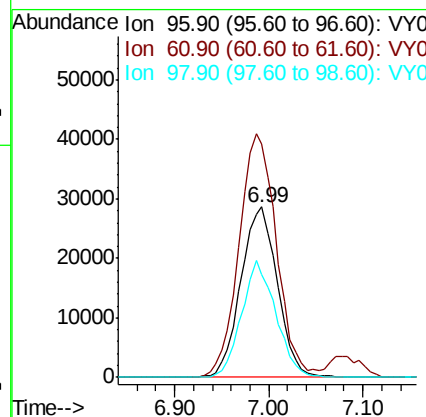
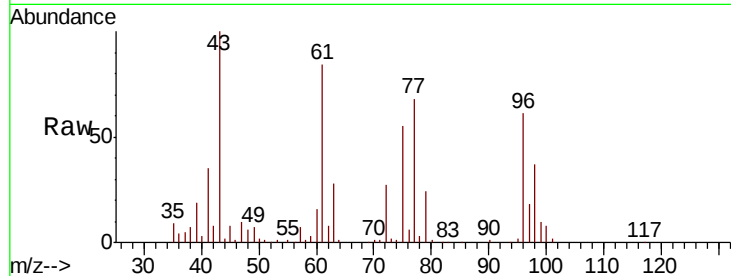
cis-1,2-Dichloroethene
Concen: 20.826 ug/l
RT: 6.99 min Scan# 862
Delta R.T. -0.01 min
Lab File: VY000929.D
Acq: 12 Dec 2019 13:04

Instrument :
MSVOA_Y
ClientSampleId :
VY1212SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	146.6	0.0	285.0
98	63.9	0.0	128.0

Manual Integrations
APPROVED

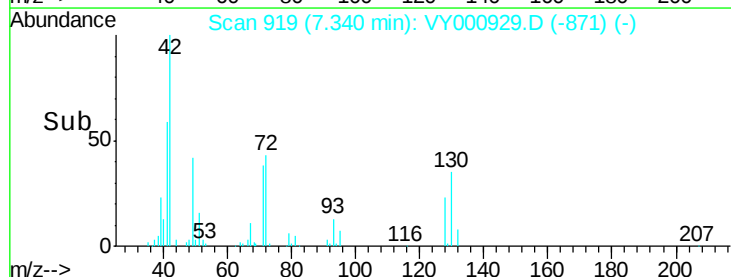
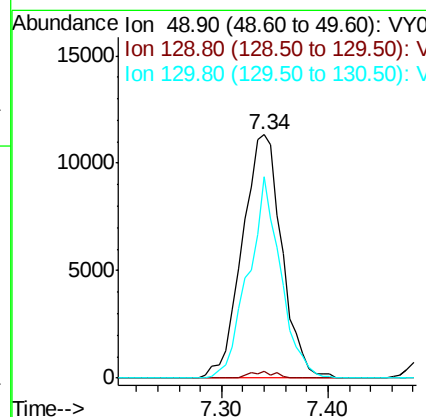
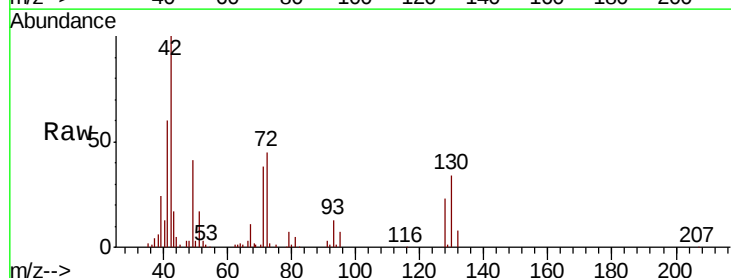
apatel
12/13/2019 10:33:43 AM

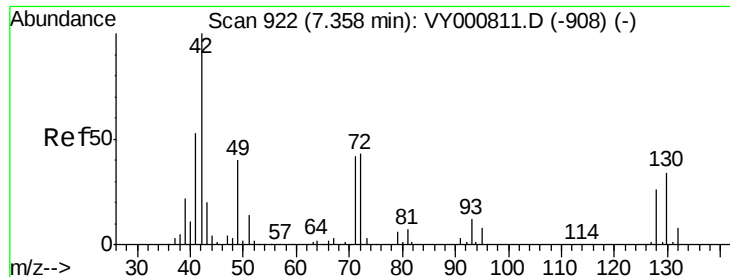


#28

Bromochloromethane
Concen: 15.106 ug/l
RT: 7.34 min Scan# 919
Delta R.T. -0.01 min
Lab File: VY000929.D
Acq: 12 Dec 2019 13:04

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.8
130	67.9	58.7	88.1





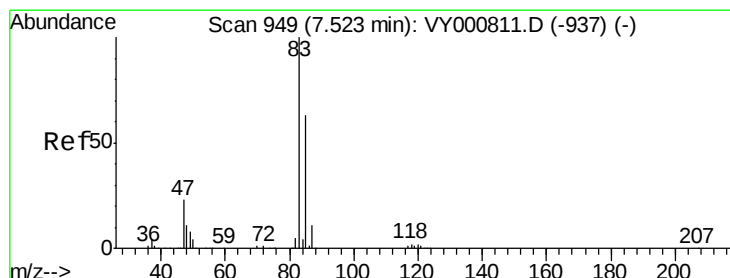
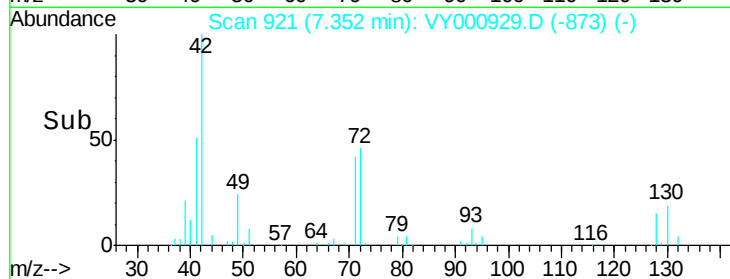
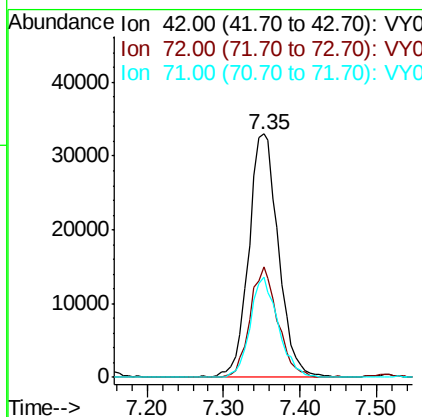
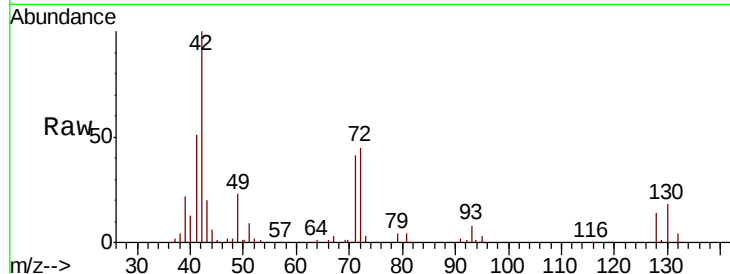
#29
Tetrahydrofuran
Concen: 107.881 ug/l
RT: 7.35 min Scan# 921
Delta R.T. -0.01 min
Lab File: VY000929.D
Acq: 12 Dec 2019 13:04

Instrument :
MSVOA_Y
ClientSampleId :
VY1212SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.4	35.1	52.7
71	38.6	32.8	49.2

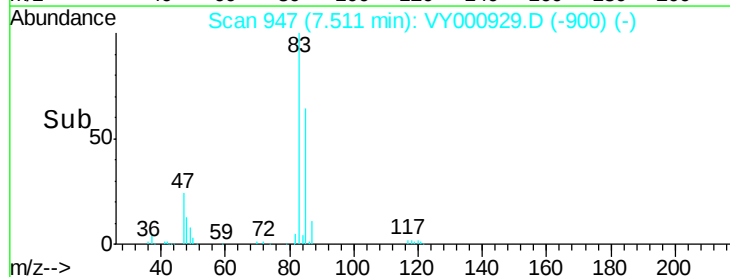
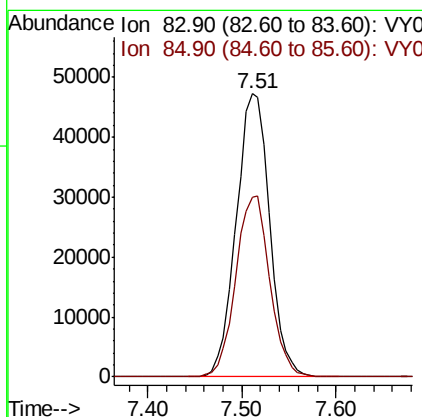
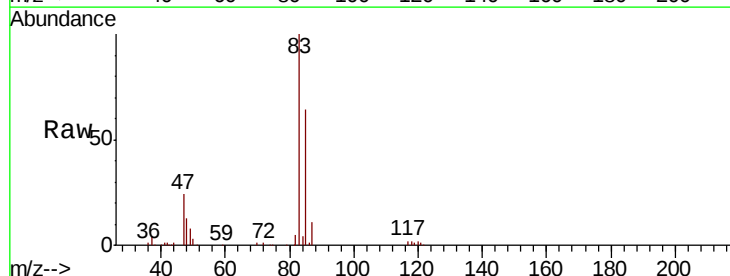
Manual Integrations
APPROVED

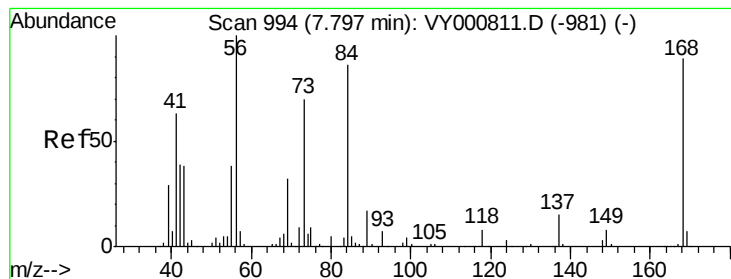
apatel
12/13/2019 10:33:43 AM



#30
Chloroform
Concen: 19.805 ug/l
RT: 7.51 min Scan# 947
Delta R.T. -0.01 min
Lab File: VY000929.D
Acq: 12 Dec 2019 13:04

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.5	50.4	75.6





#31

Cyclohexane

Concen: 20.302 ug/l

RT: 7.78 min Scan# 992

Delta R.T. -0.01 min

Lab File: VY000929.D

Acq: 12 Dec 2019 13:04

Instrument :

MSVOA_Y

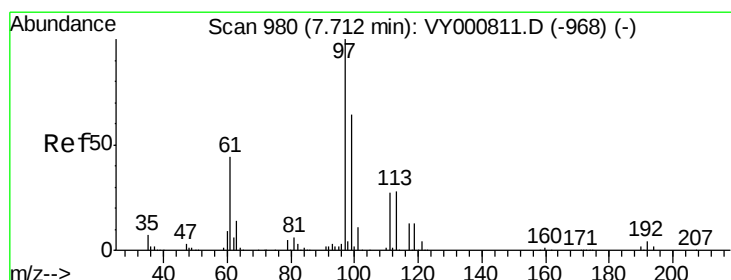
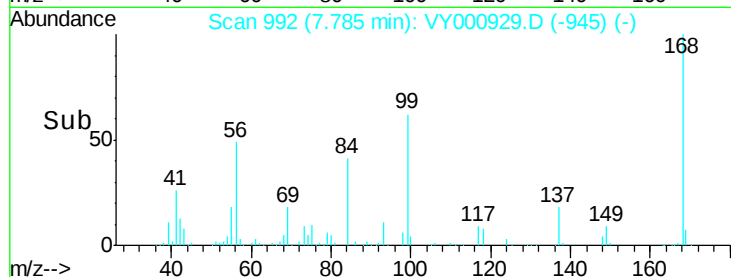
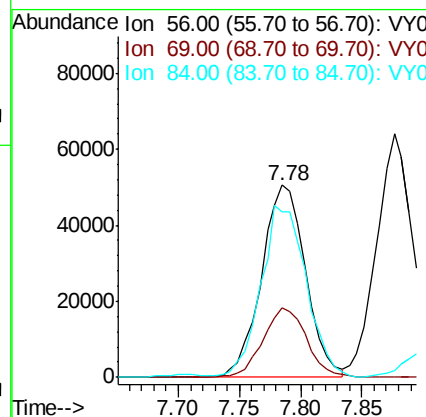
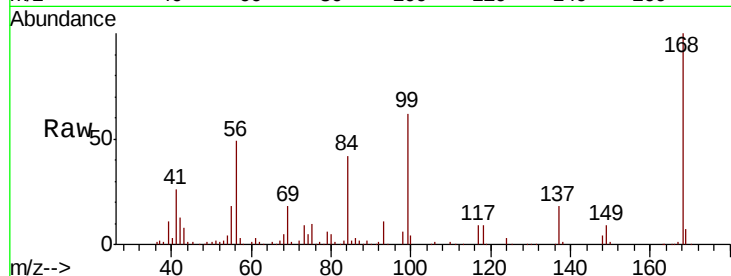
ClientSampleId :

VY1212SBS01

Tot Ion:	56	Resp:	127041
Ion Ratio	Lower	Upper	
56	100		
69	36.2	25.9	38.9
84	84.8	68.6	102.8

Manual Integrations
APPROVED

apatel
12/13/2019 10:33:43 AM



#32

1,1,1-Trichloroethane

Concen: 20.535 ug/l

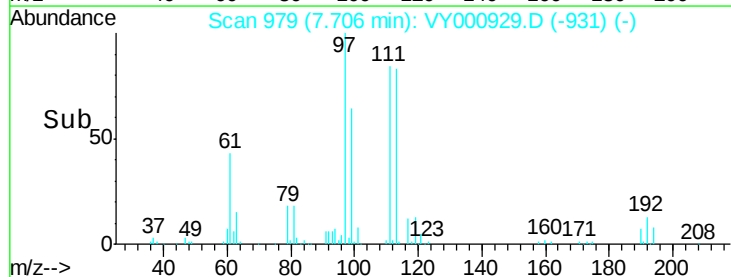
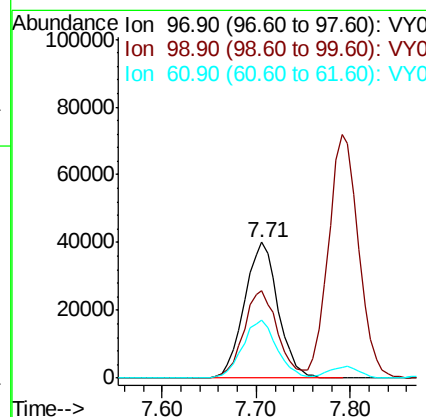
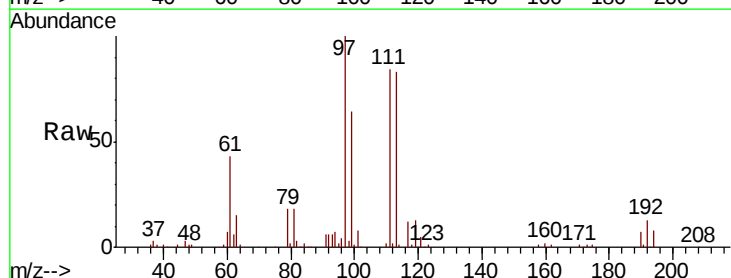
RT: 7.71 min Scan# 979

Delta R.T. -0.01 min

Lab File: VY000929.D

Acq: 12 Dec 2019 13:04

Tgt Ion:	97	Resp:	100481
Ion Ratio	Lower	Upper	
97	100		
99	64.4	51.7	77.5
61	43.4	35.0	52.6





#33

1,2-Dichloroethane-d4

Concen: 49.905 ug/l

RT: 8.14 min Scan# 1051

Delta R.T. -0.01 min

Lab File: VY000929.D

Acq: 12 Dec 2019 13:04

Instrument :

MSVOA_Y

ClientSampleId :

VY1212SBS01

Tot Ion: 65 Resp: 147082

Ion Ratio Lower Upper

65 100

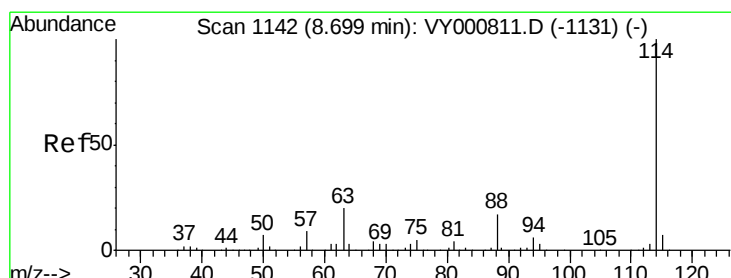
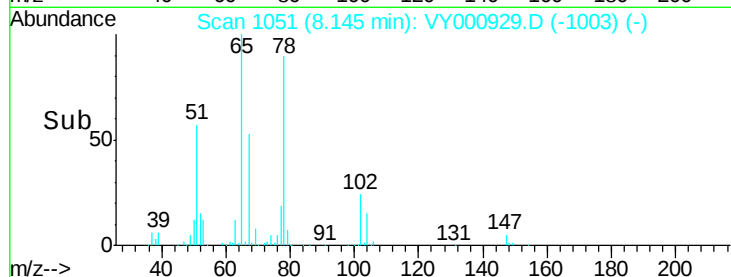
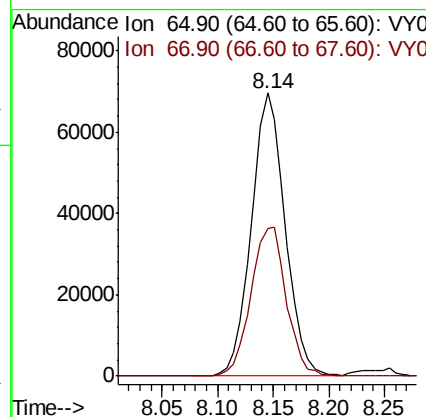
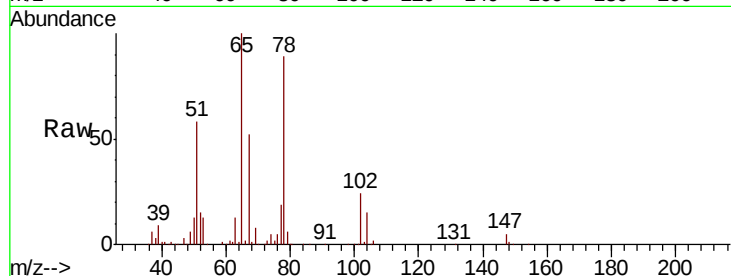
67 55.1 0.0 112.0

Manual Integrations

APPROVED

apatel

12/13/2019 10:33:43 AM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.69 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VY000929.D

Acq: 12 Dec 2019 13:04

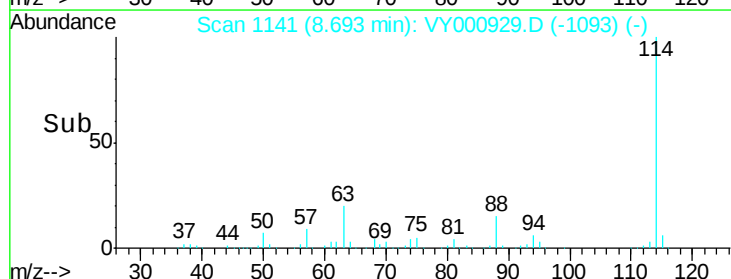
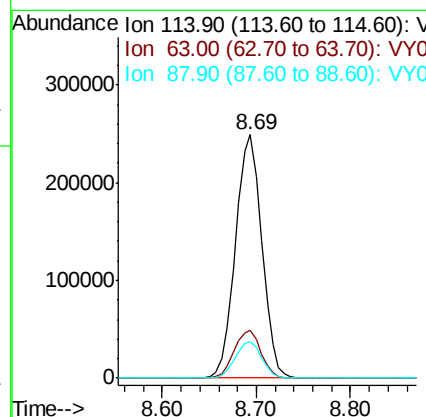
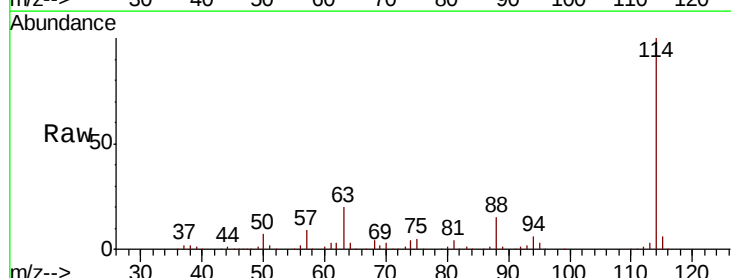
Tgt Ion: 114 Resp: 484296

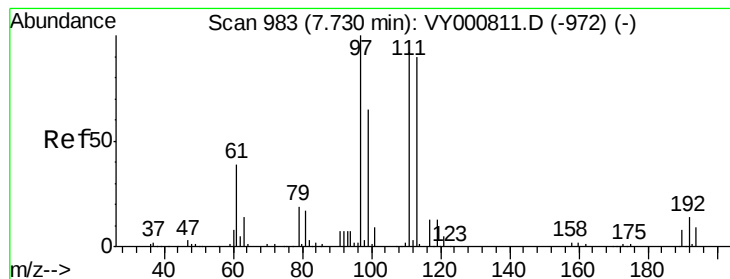
Ion Ratio Lower Upper

114 100

63 19.6 0.0 39.8

88 14.9 0.0 33.2





#35

Dibromofluoromethane

Concen: 48.929 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.01 min

Lab File: VY000929.D

Acq: 12 Dec 2019 13:04

Instrument :

MSVOA_Y

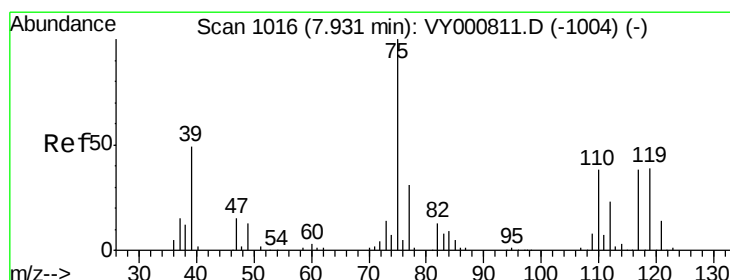
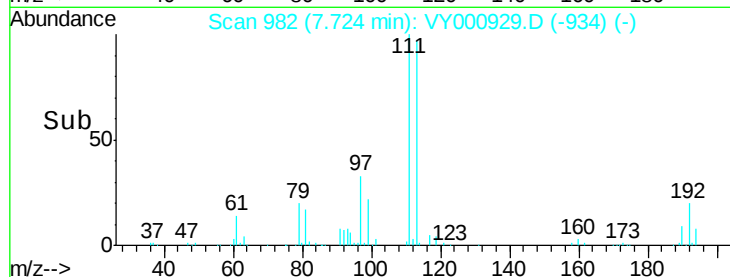
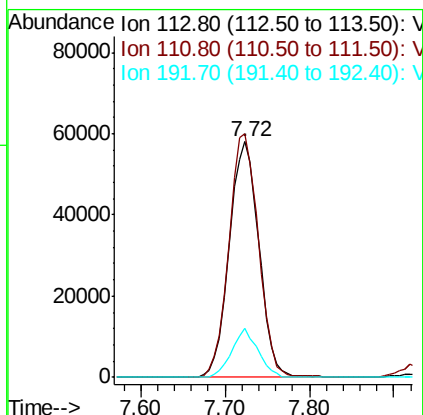
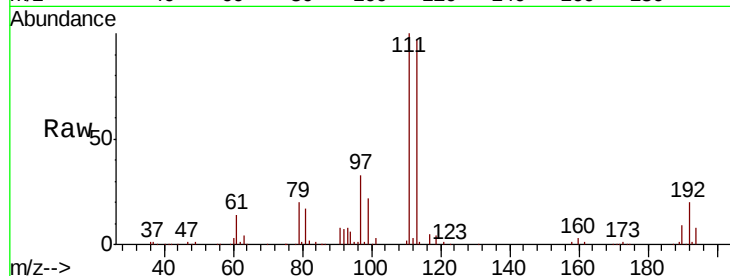
ClientSampleId :

VY1212SBS01

Tot Ion:	113	Resp:	138100
Ion Ratio	Lower	Upper	
113	100		
111	103.1	82.4	123.6
192	18.5	14.2	21.2

Manual Integrations
APPROVED

apatel
12/13/2019 10:33:43 AM



#36

1,1-Dichloropropene

Concen: 20.473 ug/l

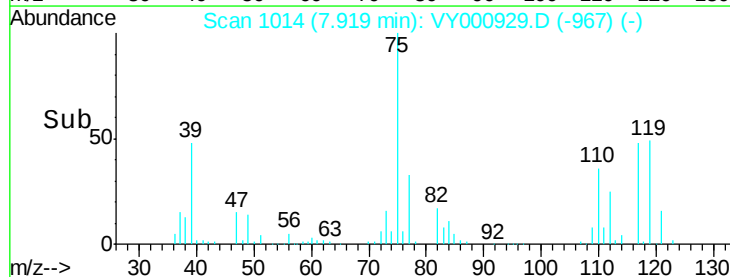
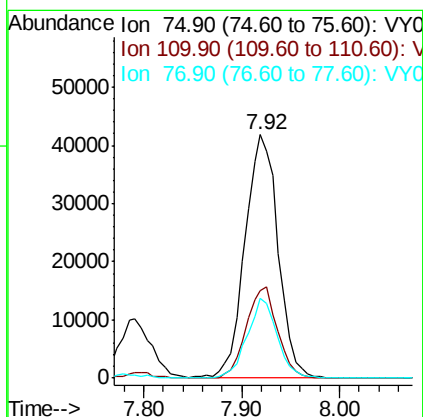
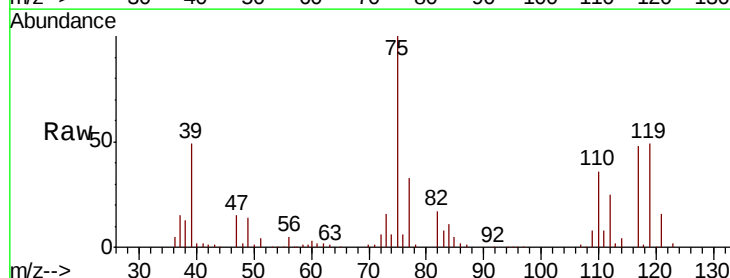
RT: 7.92 min Scan# 1014

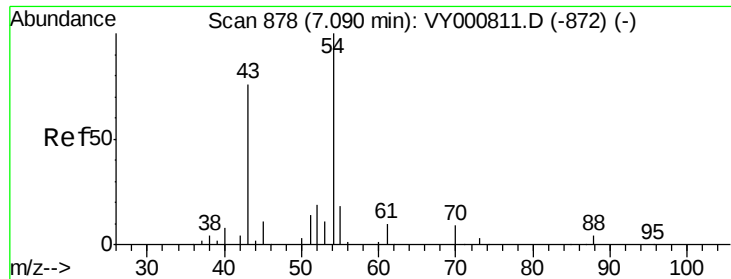
Delta R.T. -0.01 min

Lab File: VY000929.D

Acq: 12 Dec 2019 13:04

Tgt Ion:	75	Resp:	98583
Ion Ratio	Lower	Upper	
75	100		
110	35.1	17.9	53.7
77	29.7	24.7	37.1





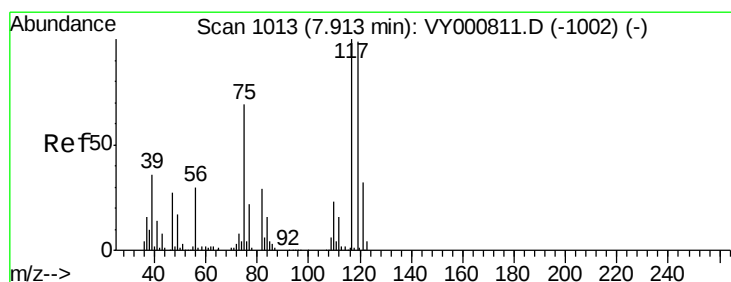
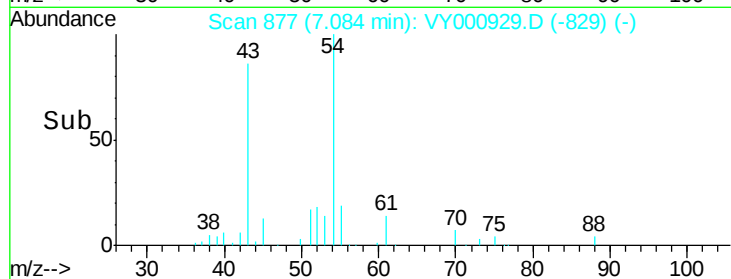
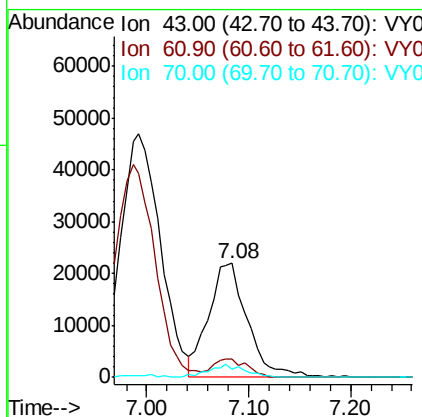
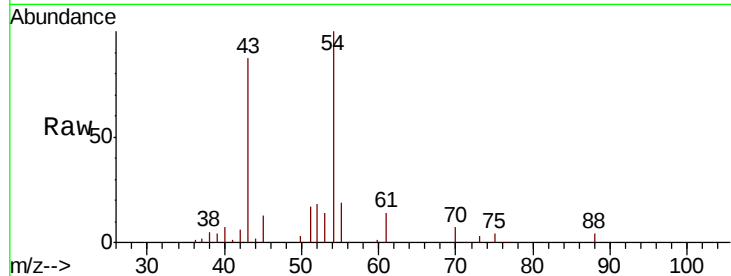
#37
Ethyl Acetate
Concen: 20.952 ug/l
RT: 7.08 min Scan# 877
Delta R.T. -0.01 min
Lab File: VY000929.D
Acq: 12 Dec 2019 13:04

Instrument :
MSVOA_Y
ClientSampleId :
VY1212SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.8	17.8
70	10.5	8.7	13.1

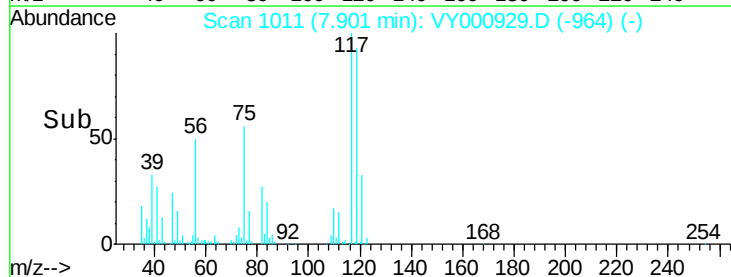
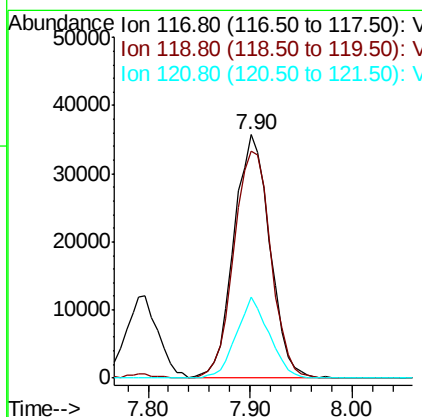
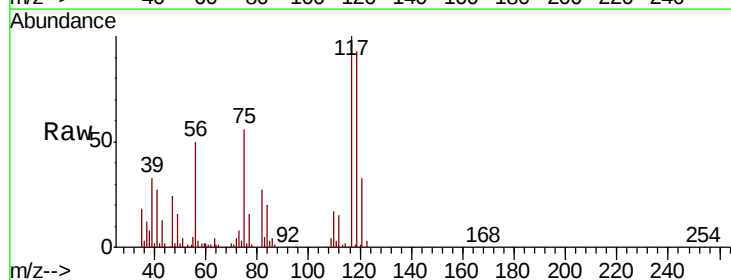
Manual Integrations
APPROVED

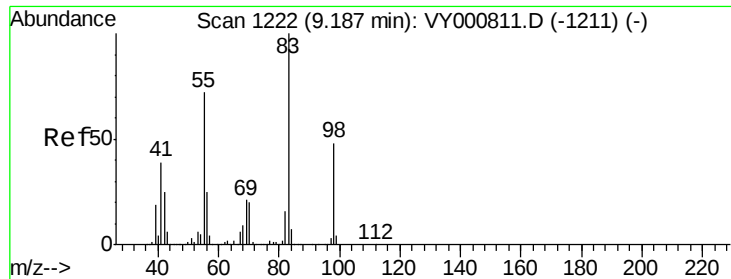
apatel
12/13/2019 10:33:43 AM



#38
Carbon Tetrachloride
Concen: 20.410 ug/l
RT: 7.90 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VY000929.D
Acq: 12 Dec 2019 13:04

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.4	79.3	118.9
121	33.2	25.5	38.3





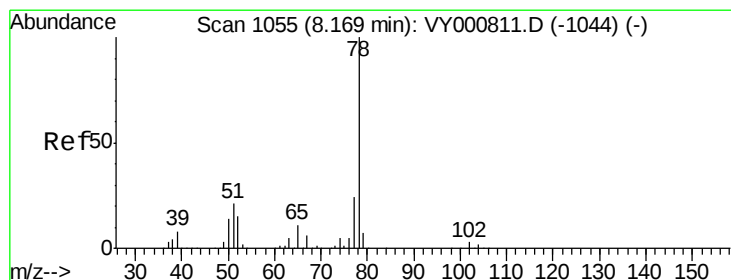
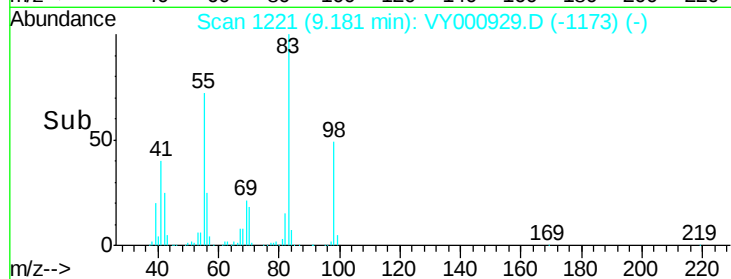
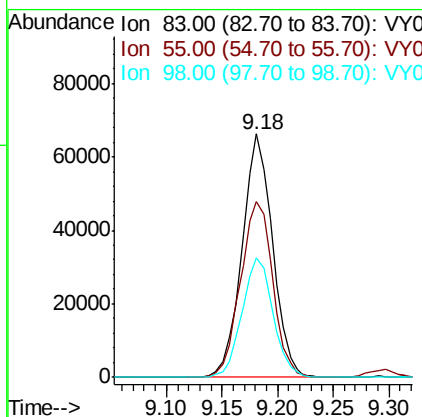
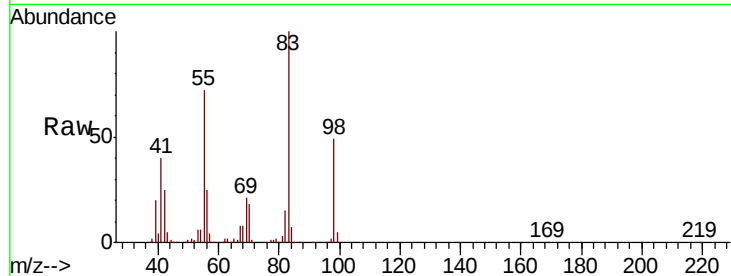
#39
Methvlcvclohexane
Concen: 19.817 ug/l
RT: 9.18 min Scan# 1221
Delta R.T. -0.01 min
Lab File: VY000929.D
Acq: 12 Dec 2019 13:04

Instrument :
MSVOA_Y
ClientSampleId :
VY1212SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.4	57.8	86.6
98	49.0	38.6	58.0

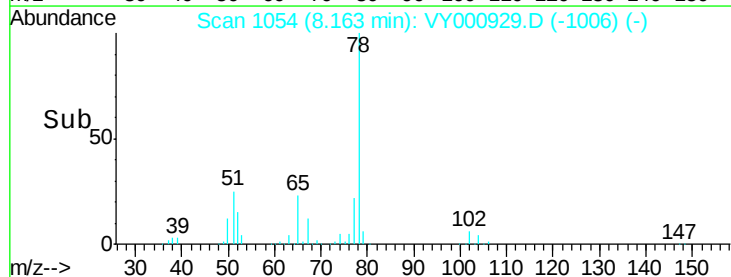
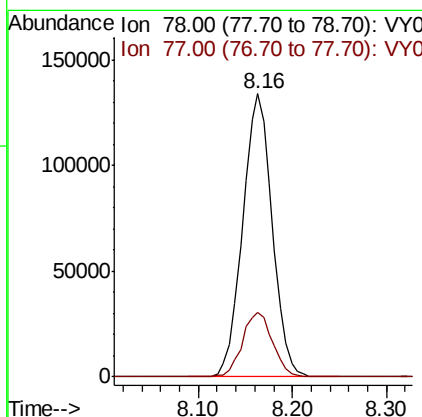
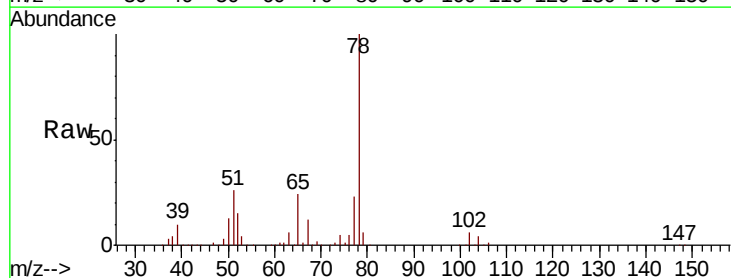
Manual Integrations
APPROVED

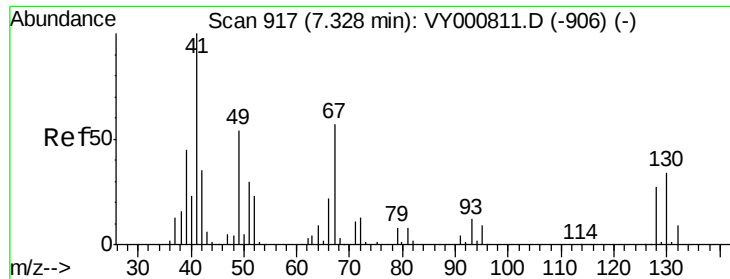
apatel
12/13/2019 10:33:43 AM



#40
Benzene
Concen: 20.910 ug/l
RT: 8.16 min Scan# 1054
Delta R.T. -0.01 min
Lab File: VY000929.D
Acq: 12 Dec 2019 13:04

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.6	19.2	28.8





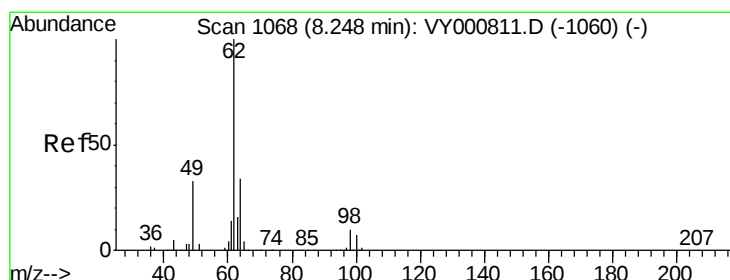
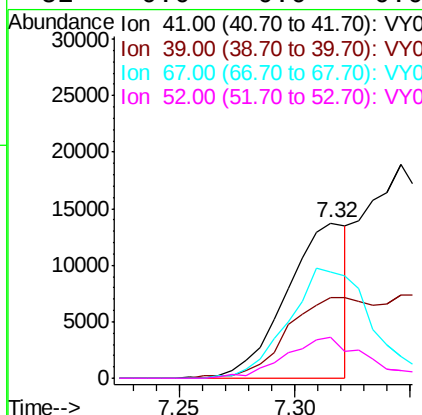
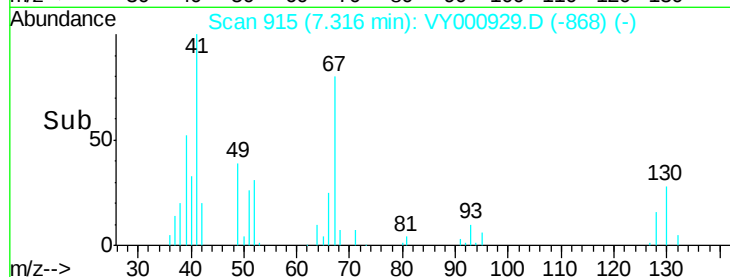
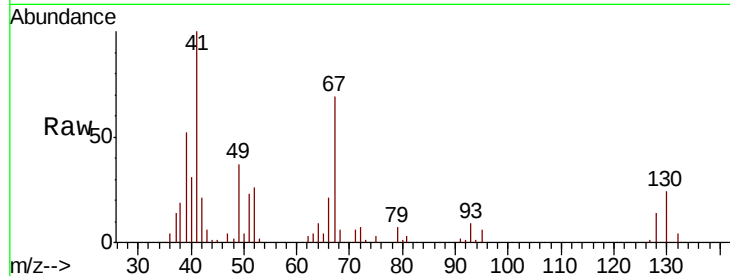
#41
Methacrylonitrile
Concen: 17.257 ug/l m
RT: 7.32 min Scan# 915
Delta R.T. -0.01 min
Lab File: VY000929.D
Acq: 12 Dec 2019 13:04

Instrument :
MSVOA_Y
ClientSampleId :
VY1212SBS01

Tot Ion:	41	Resp:	25289
Ion	Ratio	Lower	Upper
41	100		
39	0.0	95.7	143.5#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

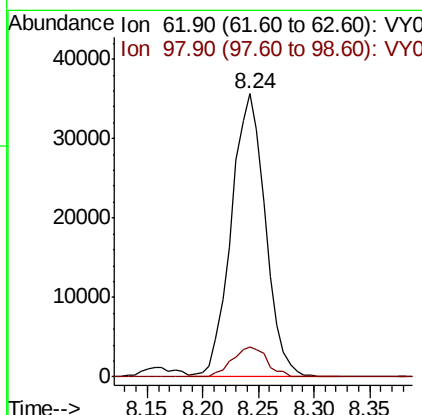
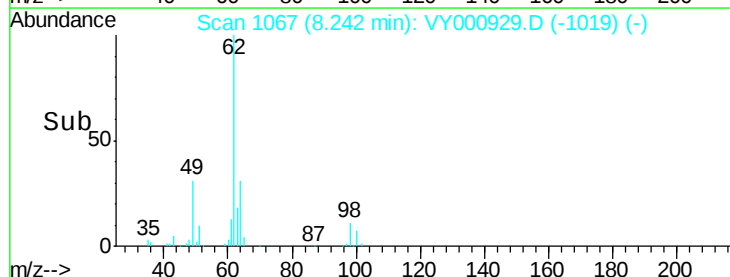
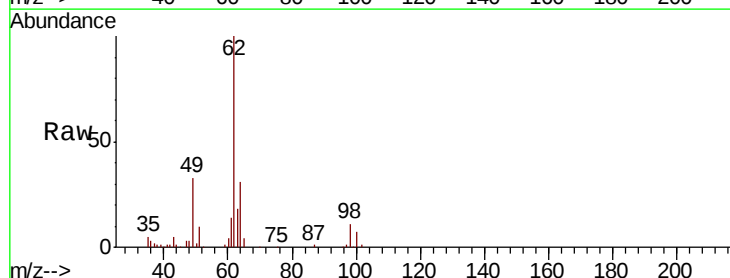
Manual Integrations
APPROVED

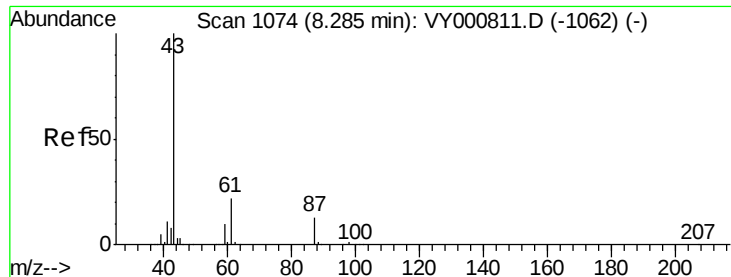
apatel
12/13/2019 10:33:43 AM



#42
1,2-Dichloroethane
Concen: 20.482 ug/l
RT: 8.24 min Scan# 1067
Delta R.T. -0.01 min
Lab File: VY000929.D
Acq: 12 Dec 2019 13:04

Tgt Ion:	62	Resp:	75552
Ion	Ratio	Lower	Upper
62	100		
98	10.8	0.0	21.4





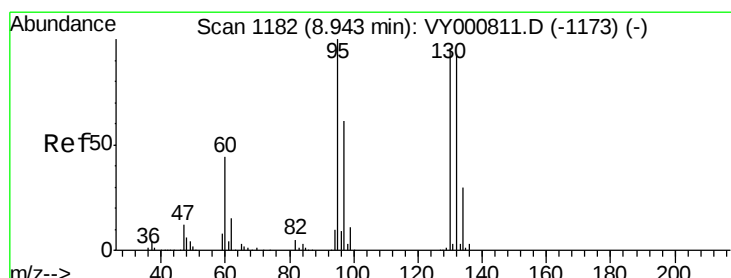
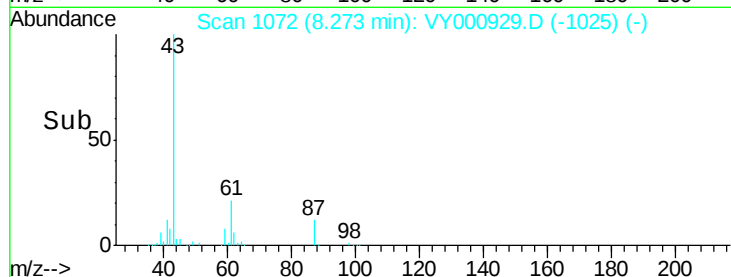
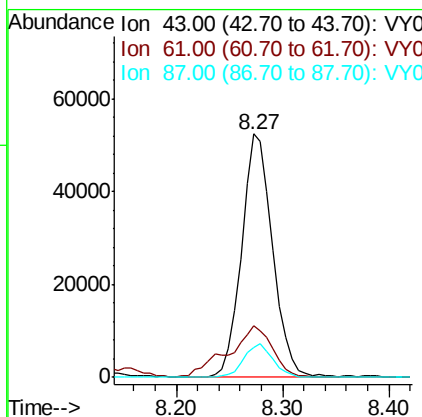
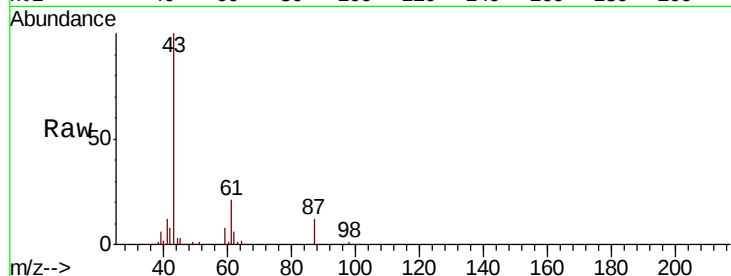
#43
Isopropyl Acetate
Concen: 20.500 ug/l
RT: 8.27 min Scan# 1072
Delta R.T. -0.01 min
Lab File: VY000929.D
Acq: 12 Dec 2019 13:04

Instrument :
MSVOA_Y
ClientSampleId :
VY1212SBS01

Tot Ion	43	Resp	107413
Ion Ratio	100	Lower	Upper
43	100		
61	29.9	23.7	35.5
87	13.1	10.6	15.8

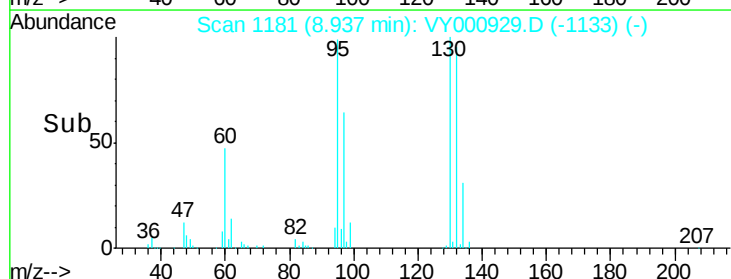
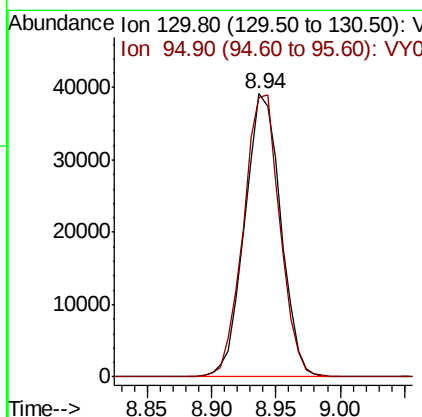
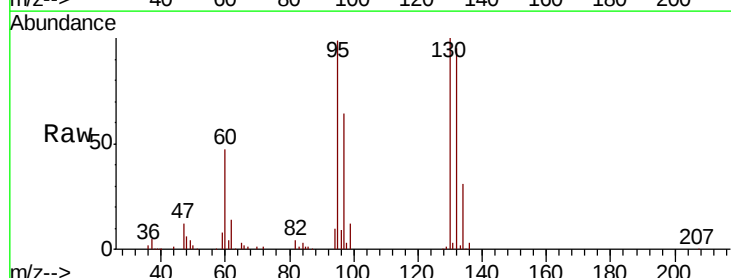
Manual Integrations
APPROVED

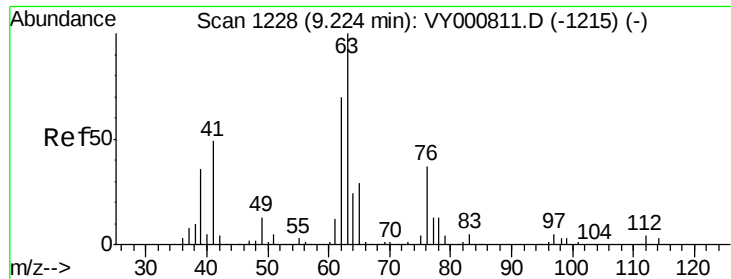
apatel
12/13/2019 10:33:43 AM



#44
Trichloroethene
Concen: 20.973 ug/l
RT: 8.94 min Scan# 1181
Delta R.T. -0.01 min
Lab File: VY000929.D
Acq: 12 Dec 2019 13:04

Tgt Ion	130	Resp	75602
Ion Ratio	100	Lower	Upper
130	100		
95	98.5	0.0	207.8





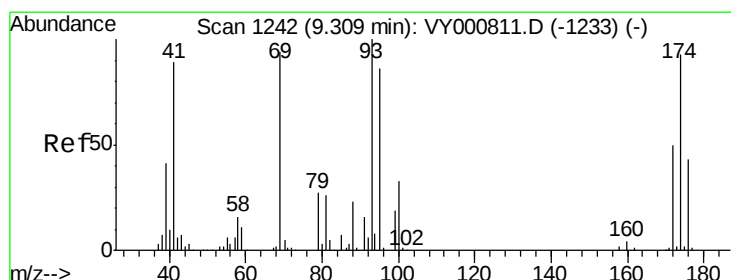
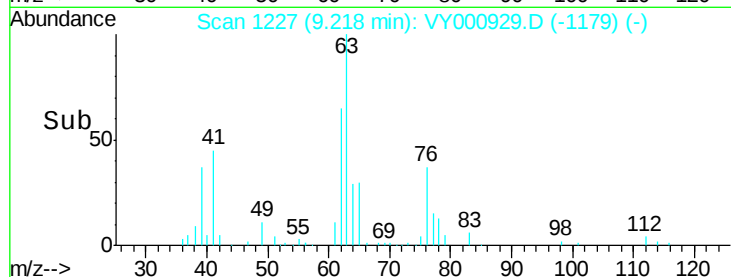
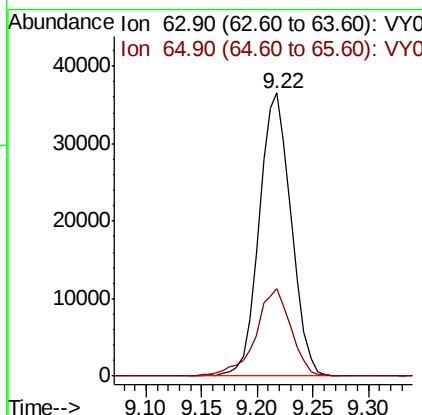
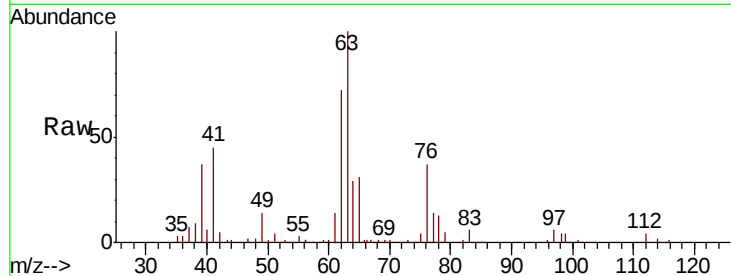
#45
 1,2-Dichloropropane
 Concen: 20.705 ug/l
 RT: 9.22 min Scan# 1227
 Delta R.T. -0.01 min
 Lab File: VY000929.D
 Acq: 12 Dec 2019 13:04

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1212SBS01

Tot Ion: 63 Resp: 72946
 Ion Ratio Lower Upper
 63 100
 65 31.0 23.2 34.8

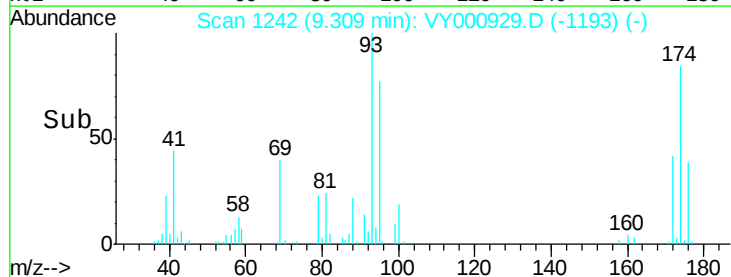
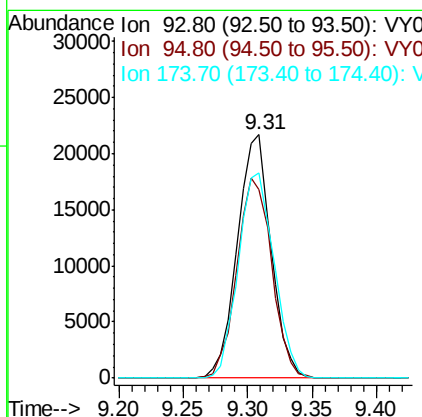
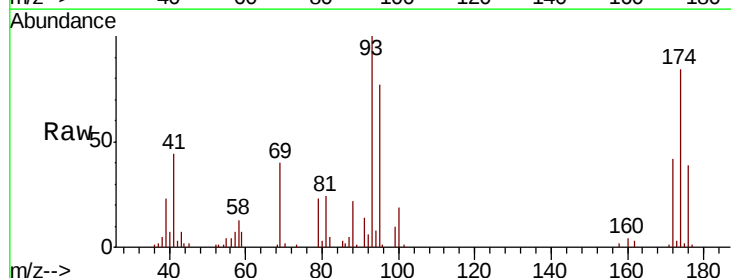
Manual Integrations
 APPROVED

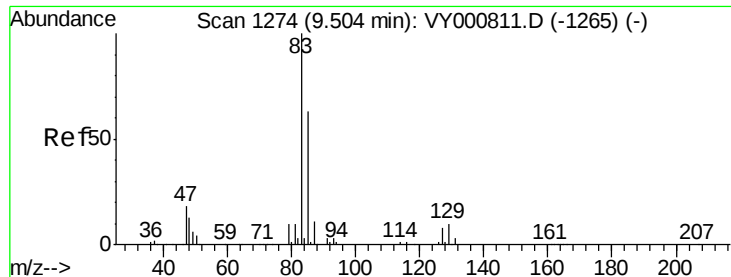
apatel
 12/13/2019 10:33:43 AM



#46
 Dibromomethane
 Concen: 21.330 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VY000929.D
 Acq: 12 Dec 2019 13:04

Tgt Ion: 93 Resp: 39264
 Ion Ratio Lower Upper
 93 100
 95 85.1 66.4 99.6
 174 89.4 73.0 109.6





#47

Bromodichloromethane

Concen: 20.156 ug/l

RT: 9.50 min Scan# 1273

Delta R.T. -0.01 min

Lab File: VY000929.D

Acq: 12 Dec 2019 13:04

Instrument :

MSVOA_Y

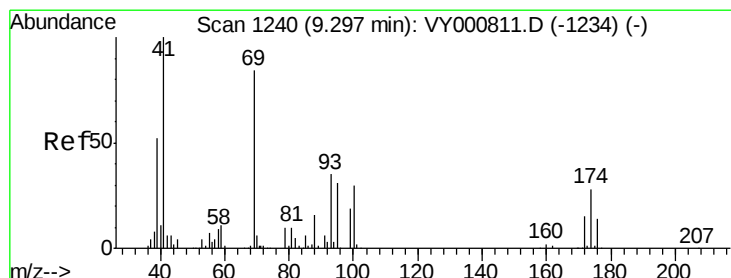
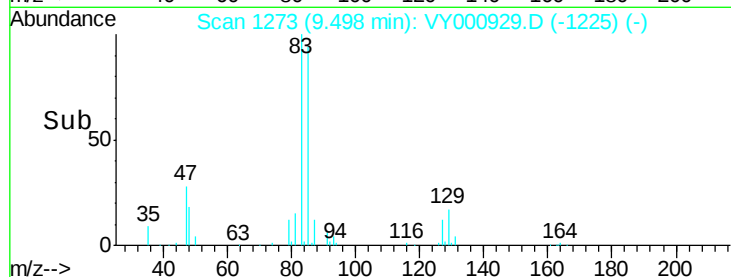
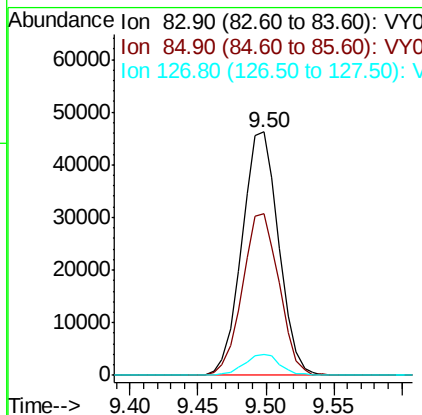
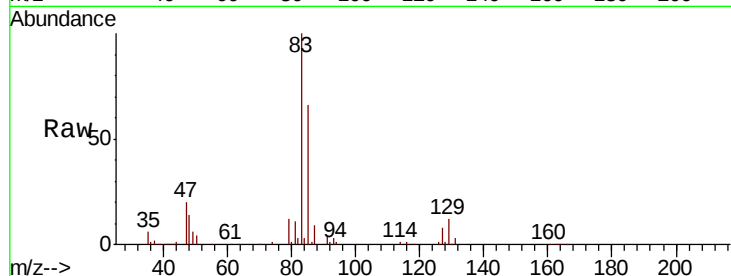
ClientSampleId :

VY1212SBS01

Tot Ion:	83	Resp:	87161
Ion Ratio	Lower	Upper	
83	100		
85	66.2	50.8	76.2
127	8.3	6.6	10.0

Manual Integrations
APPROVED

apatel
12/13/2019 10:33:43 AM



#48

Methyl methacrylate

Concen: 21.652 ug/l

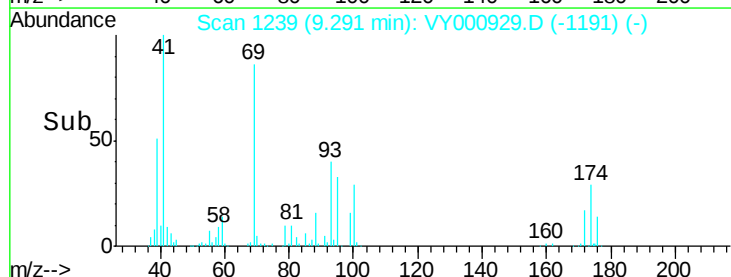
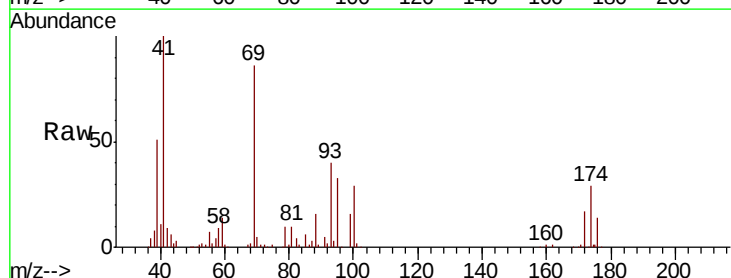
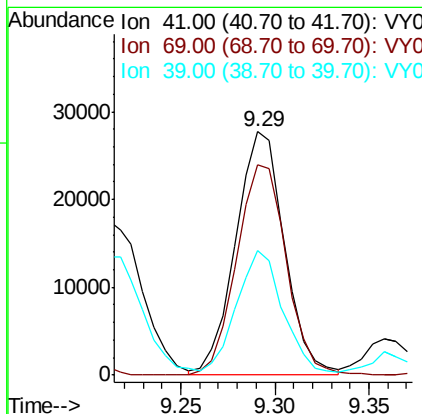
RT: 9.29 min Scan# 1239

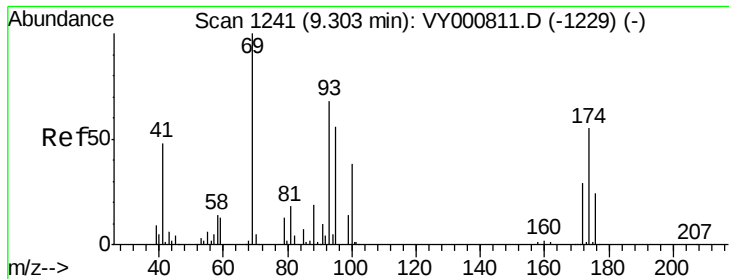
Delta R.T. -0.01 min

Lab File: VY000929.D

Acq: 12 Dec 2019 13:04

Tgt Ion:	41	Resp:	49889
Ion Ratio	Lower	Upper	
41	100		
69	87.7	70.4	105.6
39	49.2	40.9	61.3





#49

1,4-Dioxane

Concen: 446.228 ug/l

RT: 9.31 min Scan# 1242

Delta R.T. 0.01 min

Lab File: VY000929.D

Acq: 12 Dec 2019 13:04

Instrument :

MSVOA_Y

ClientSampleId :

VY1212SBS01

Tot Ion: 88 Resp: 11639

Ion Ratio Lower Upper

88 100

43 26.4 21.1 31.7

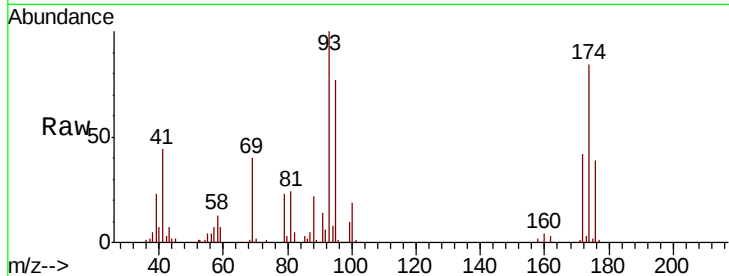
58 64.3 50.7 76.1

Manual Integrations

APPROVED

apatel

12/13/2019 10:33:43 AM

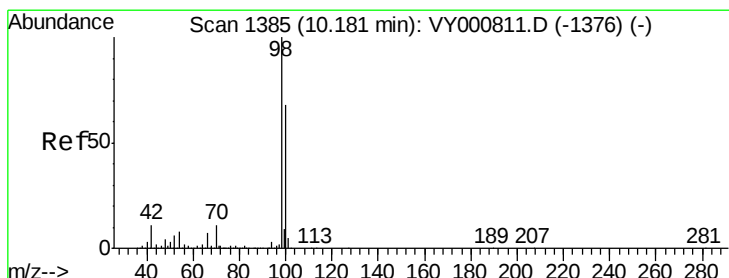
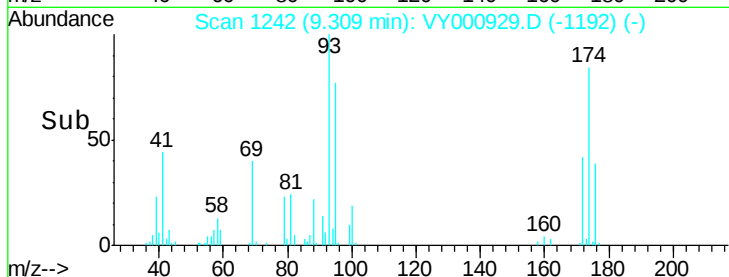
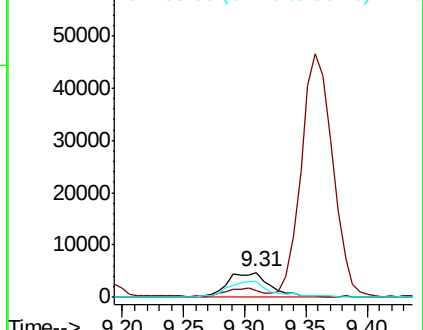


Abundance

Ion 88.00 (87.70 to 88.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#50

Toluene-d8

Concen: 51.174 ug/l

RT: 10.17 min Scan# 1384

Delta R.T. -0.01 min

Lab File: VY000929.D

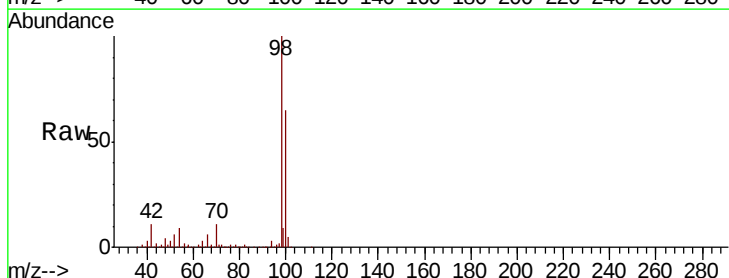
Acq: 12 Dec 2019 13:04

Tgt Ion: 98 Resp: 577456

Ion Ratio Lower Upper

98 100

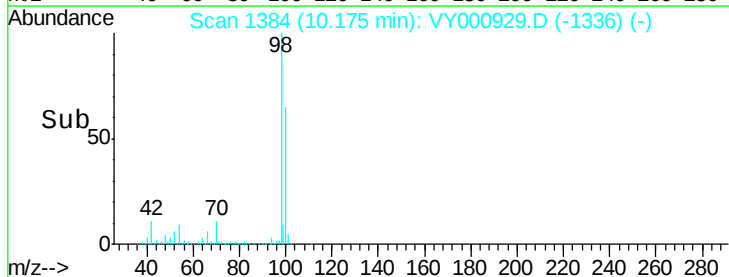
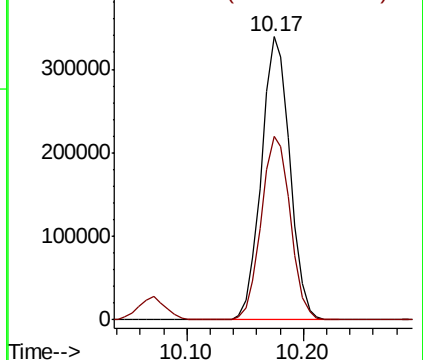
100 66.3 53.1 79.7

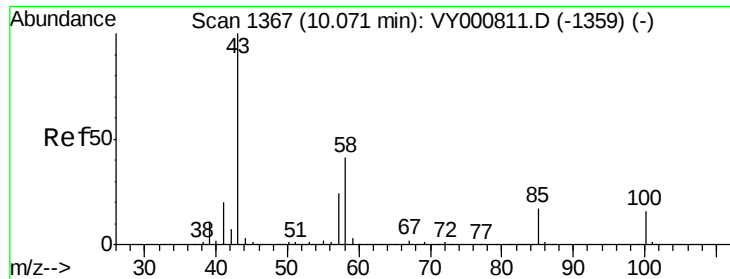


Abundance

Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY0





#51

4-Methyl-2-Pentanone

Concen: 107.765 ug/l

RT: 10.07 min Scan# 1367

Delta R.T. 0.00 min

Lab File: VY000929.D

Acq: 12 Dec 2019 13:04

Instrument :

MSVOA_Y

ClientSampleId :

VY1212SBS01

Tot Ion: 43 Resp: 291744

Ion Ratio Lower Upper

43 100

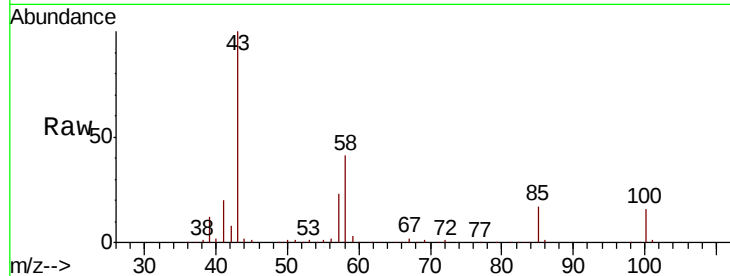
58 40.5 33.1 49.7

Manual Integrations

APPROVED

apatel

12/13/2019 10:33:43 AM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

200000

150000

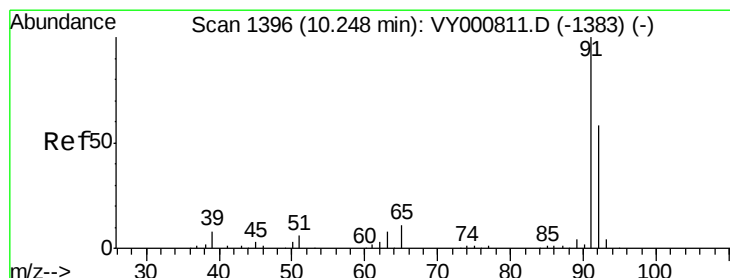
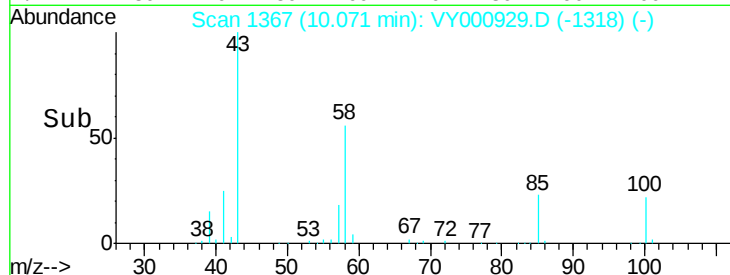
100000

50000

0

10.00 10.10

Time-->



#52

Toluene

Concen: 20.986 ug/l

RT: 10.24 min Scan# 1395

Delta R.T. -0.01 min

Lab File: VY000929.D

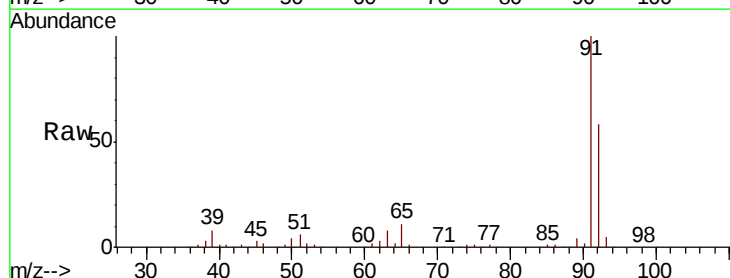
Acq: 12 Dec 2019 13:04

Tgt Ion: 92 Resp: 182256

Ion Ratio Lower Upper

92 100

91 171.7 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VY0

Ion 91.00 (90.70 to 91.70): VY0

200000

150000

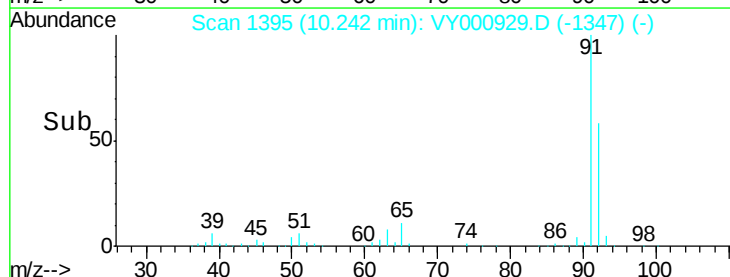
100000

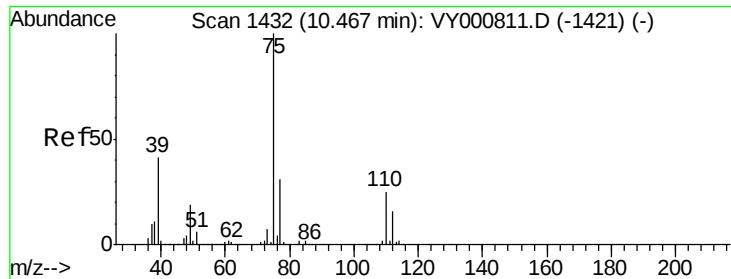
50000

0

10.20 10.30

Time-->





#53

t-1,3-Dichloropropene

Concen: 21.186 ug/l

RT: 10.46 min Scan# 1431

Delta R.T. -0.01 min

Lab File: VY000929.D

Acq: 12 Dec 2019 13:04

Instrument :

MSVOA_Y

ClientSampleId :

VY1212SBS01

Tot Ion: 75 Resp: 98432

Ion Ratio Lower Upper

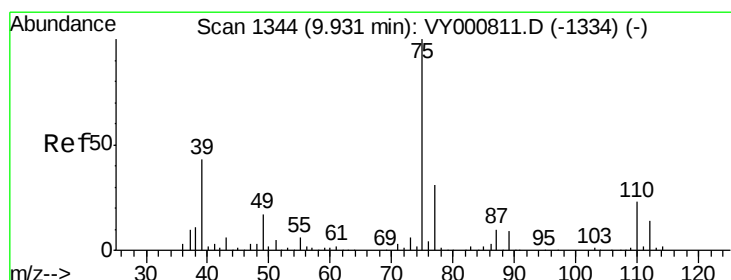
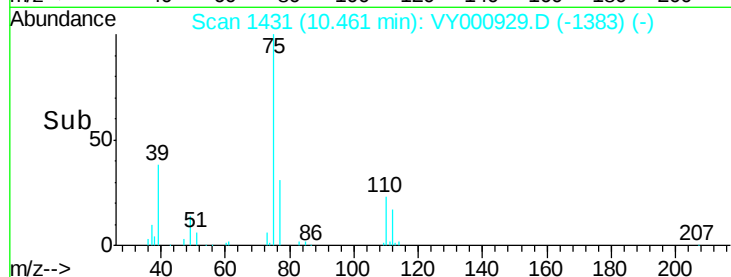
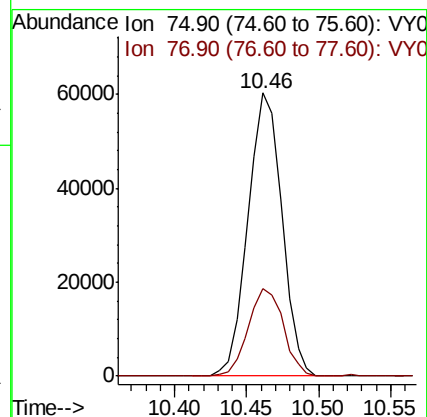
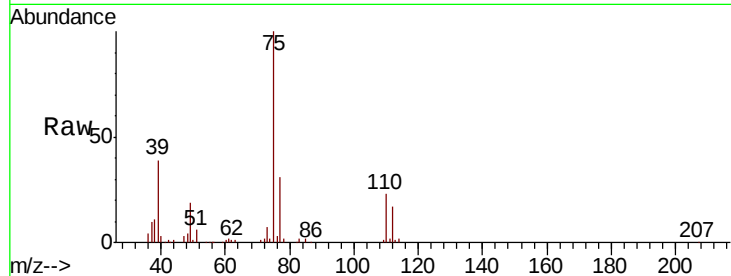
75 100

77 31.1 25.1 37.7

Manual Integrations
APPROVED

apatel

12/13/2019 10:33:43 AM



#54

cis-1,3-Dichloropropene

Concen: 20.960 ug/l

RT: 9.92 min Scan# 1343

Delta R.T. -0.01 min

Lab File: VY000929.D

Acq: 12 Dec 2019 13:04

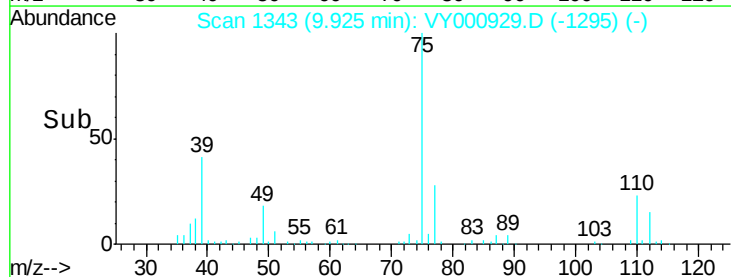
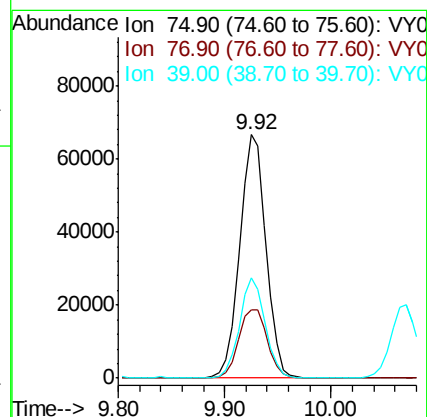
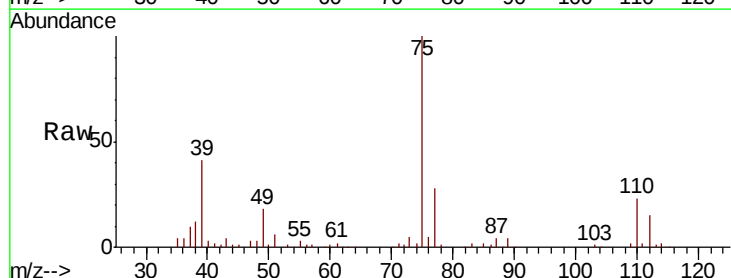
Tgt Ion: 75 Resp: 115103

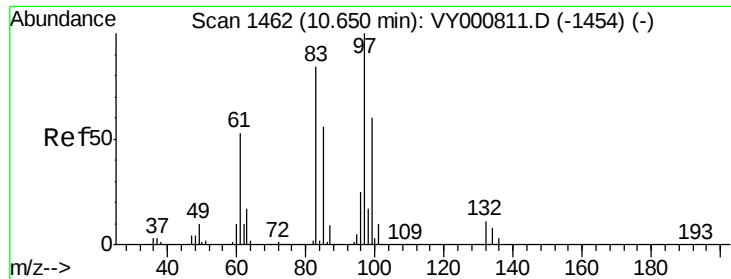
Ion Ratio Lower Upper

75 100

77 28.3 24.7 37.1

39 41.4 34.5 51.7





#55

1,1,2-Trichloroethane

Concen: 21.433 ug/l

RT: 10.64 min Scan# 1461

Delta R.T. -0.01 min

Lab File: VY000929.D

Acq: 12 Dec 2019 13:04

Instrument :

MSVOA_Y

ClientSampleId :

VY1212SBS01

Tot Ion: 97 Resp: 58292

Ion Ratio Lower Upper

97 100

83 81.6 67.5 101.3

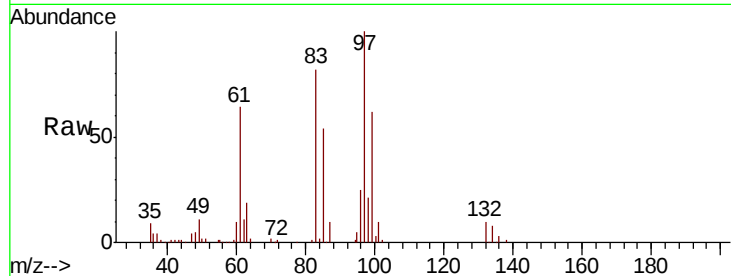
85 53.6 44.5 66.7

99 62.2 47.7 71.5

Manual Integrations
APPROVED

apatel

12/13/2019 10:33:43 AM



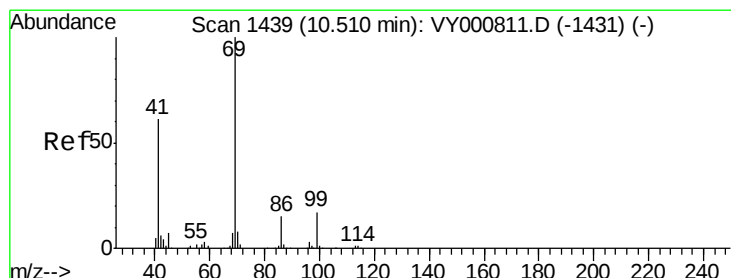
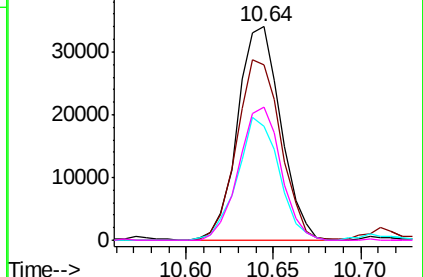
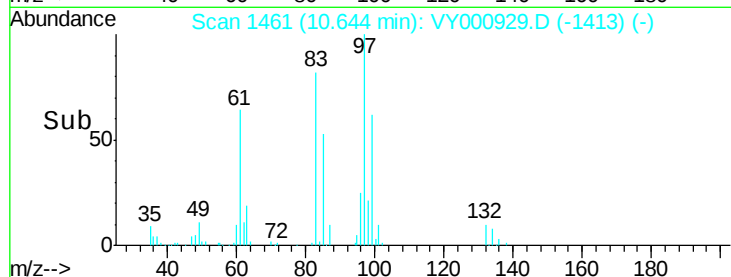
Abundance Ion 96.90 (96.60 to 97.60): VY0

Ion 82.90 (82.60 to 83.60): VY0

Ion 84.90 (84.60 to 85.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

Time-->



#56

Ethyl methacrylate

Concen: 21.301 ug/l

RT: 10.50 min Scan# 1438

Delta R.T. -0.01 min

Lab File: VY000929.D

Acq: 12 Dec 2019 13:04

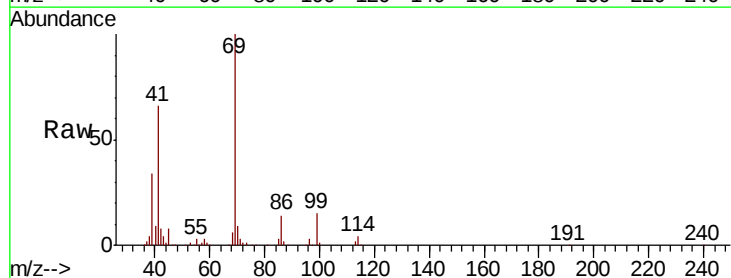
Tgt Ion: 69 Resp: 82874

Ion Ratio Lower Upper

69 100

41 62.0 49.0 73.6

39 29.3 23.1 34.7

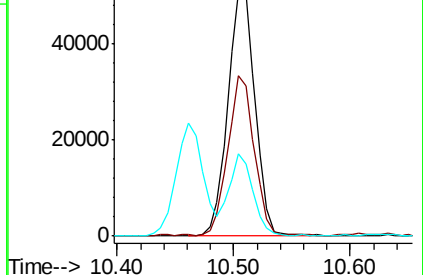
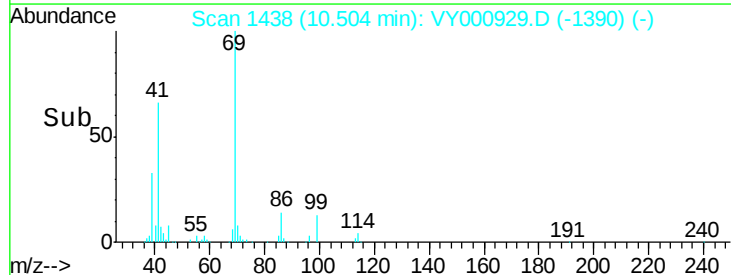


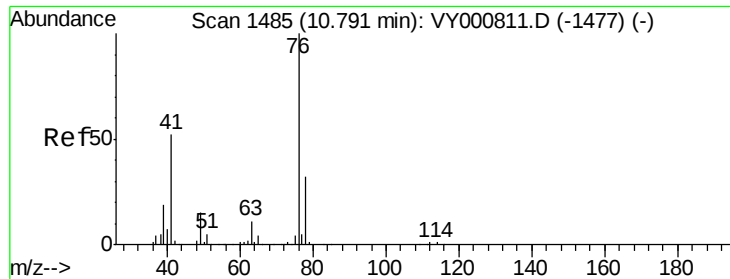
Abundance Ion 69.00 (68.70 to 69.70): VY0

Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Time-->





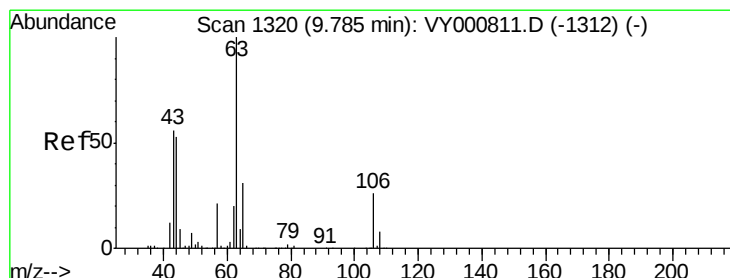
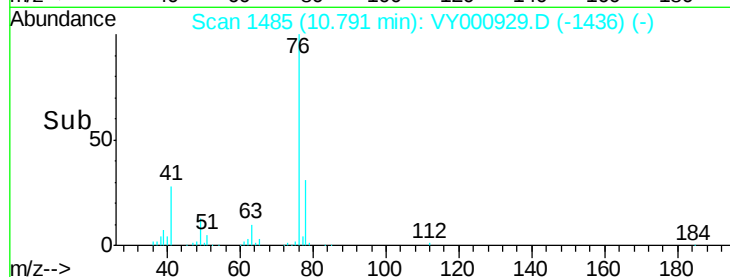
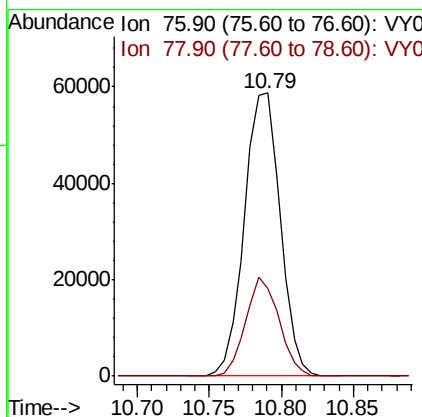
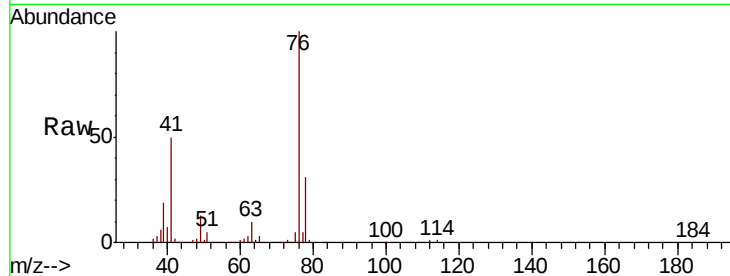
#57
 1,3-Dichloropropane
 Concen: 21.334 ug/l
 RT: 10.79 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VY000929.D
 Acq: 12 Dec 2019 13:04

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1212SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.5	26.4	39.6

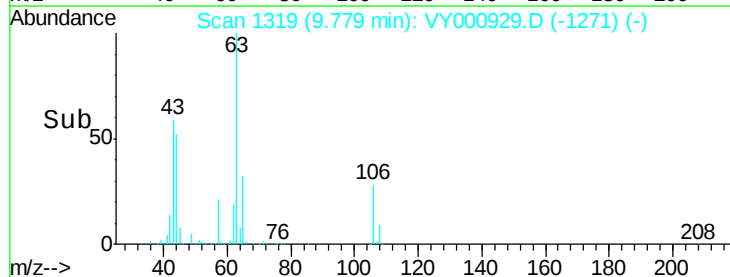
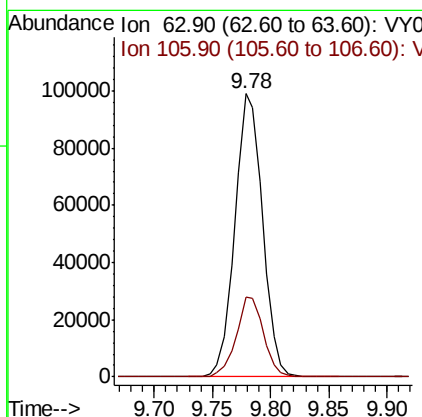
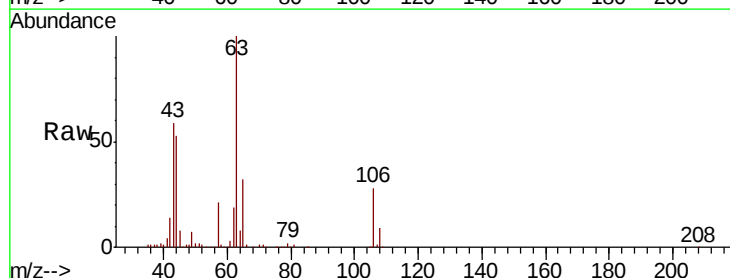
Manual Integrations
 APPROVED

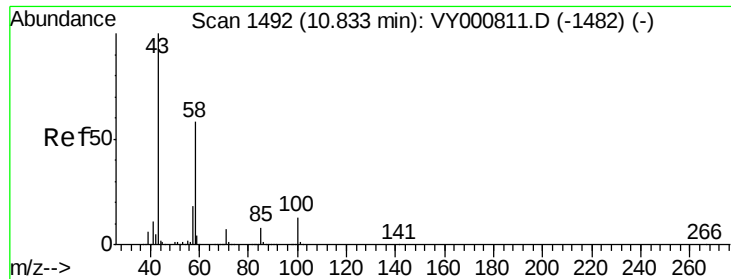
apatel
 12/13/2019 10:33:43 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 104.437 ug/l
 RT: 9.78 min Scan# 1319
 Delta R.T. -0.01 min
 Lab File: VY000929.D
 Acq: 12 Dec 2019 13:04

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.8	21.5	32.3





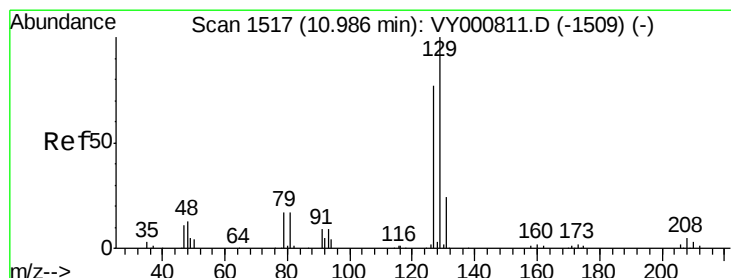
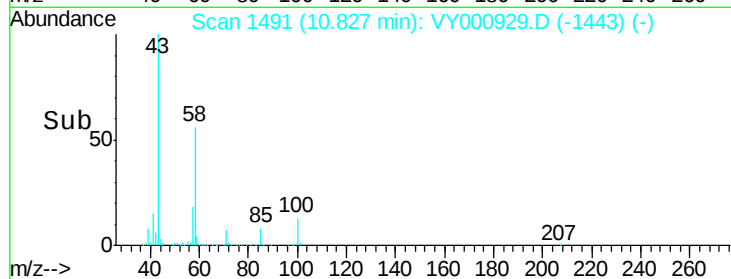
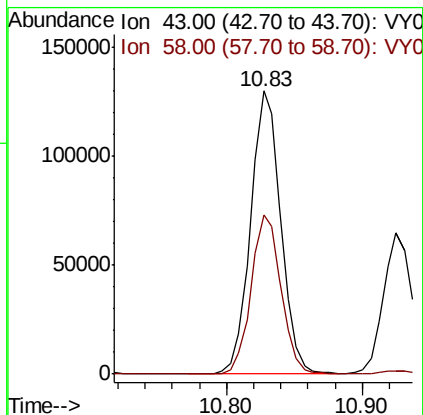
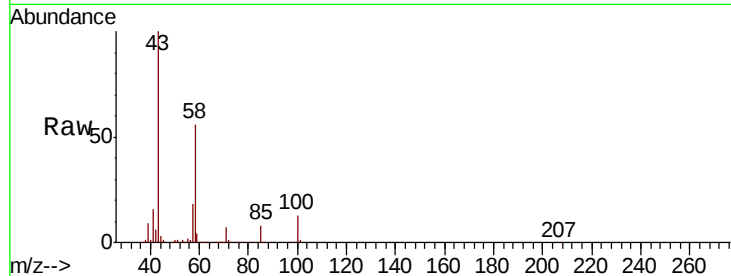
#59
2-Hexanone
Concen: 102.689 ug/l
RT: 10.83 min Scan# 1491
Delta R.T. -0.01 min
Lab File: VY000929.D
Acq: 12 Dec 2019 13:04

Instrument :
MSVOA_Y
ClientSampleId :
VY1212SBS01

Tot Ion: 43 Resp: 202575
Ion Ratio Lower Upper
43 100
58 56.0 29.0 87.1

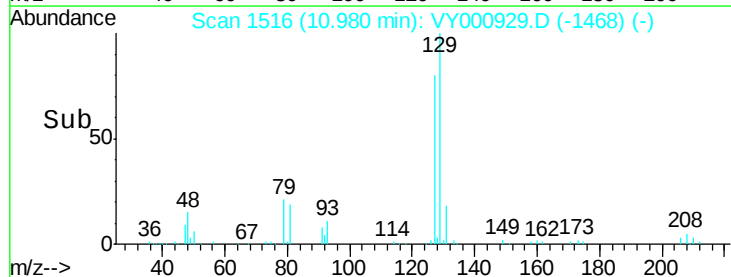
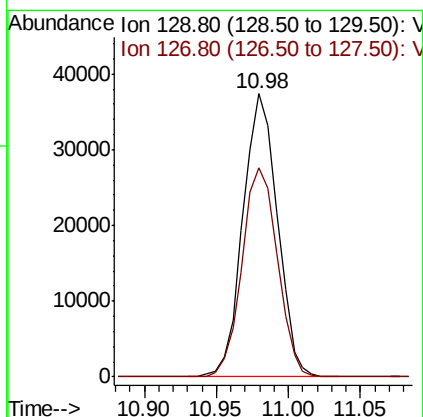
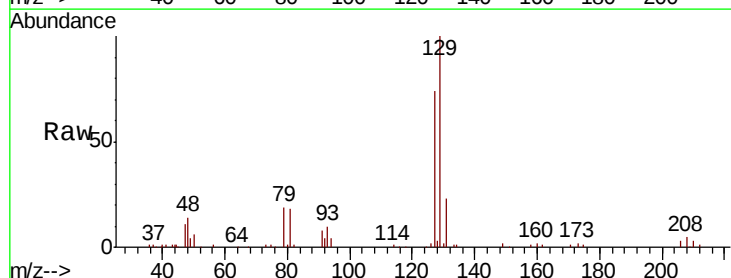
Manual Integrations
APPROVED

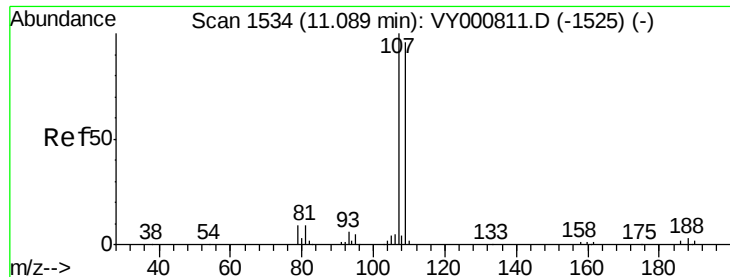
apatel
12/13/2019 10:33:43 AM



#60
Dibromochloromethane
Concen: 21.146 ug/l
RT: 10.98 min Scan# 1516
Delta R.T. -0.01 min
Lab File: VY000929.D
Acq: 12 Dec 2019 13:04

Tgt Ion: 129 Resp: 61912
Ion Ratio Lower Upper
129 100
127 76.0 39.1 117.2





#61

1,2-Dibromoethane

Concen: 20.407 ug/l

RT: 11.08 min Scan# 1533

Delta R.T. -0.01 min

Lab File: VY000929.D

Acq: 12 Dec 2019 13:04

Instrument :

MSVOA_Y

ClientSampleId :

VY1212SBS01

Tot Ion: 107 Resp: 52305

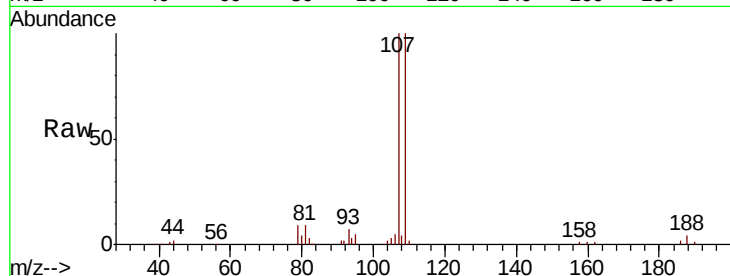
Ion Ratio Lower Upper

107 100

109 98.1 75.9 113.9

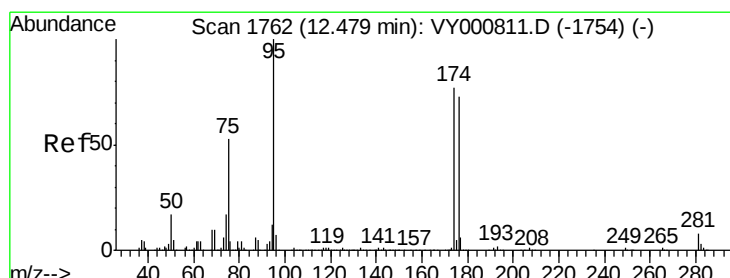
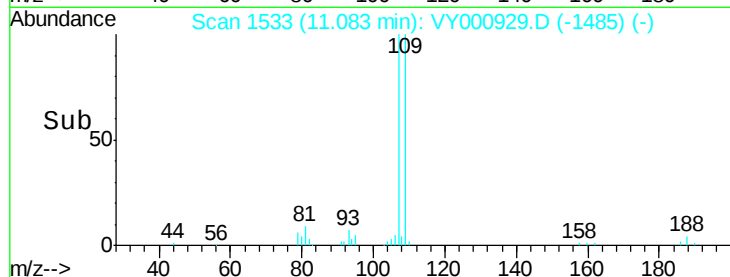
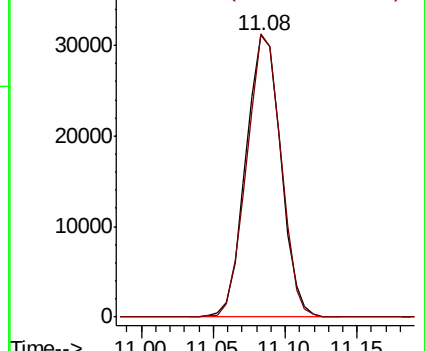
Manual Integrations
APPROVED

apatel
12/13/2019 10:33:43 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 47.872 ug/l

RT: 12.47 min Scan# 1761

Delta R.T. -0.01 min

Lab File: VY000929.D

Acq: 12 Dec 2019 13:04

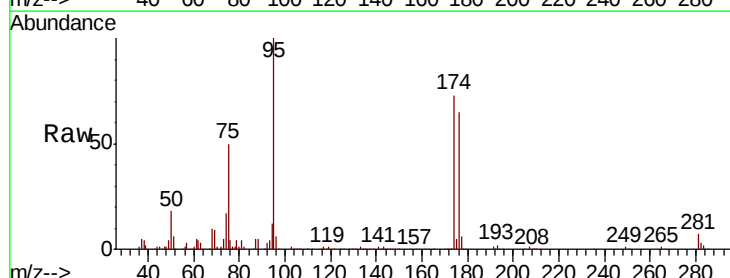
Tgt Ion: 95 Resp: 202869

Ion Ratio Lower Upper

95 100

174 75.8 0.0 150.6

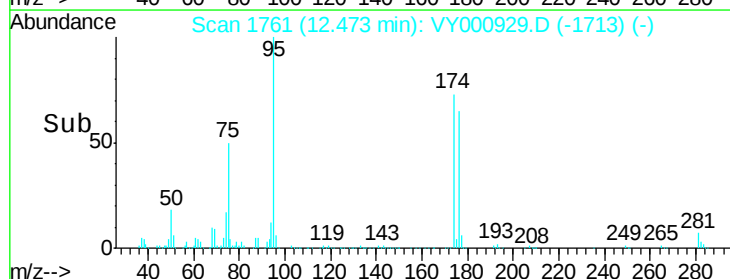
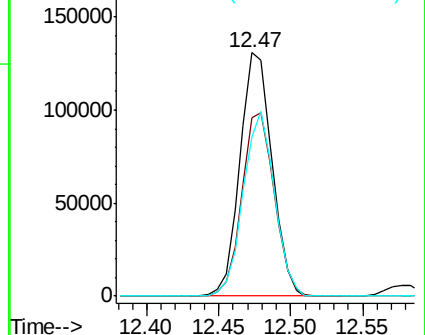
176 73.5 0.0 145.2

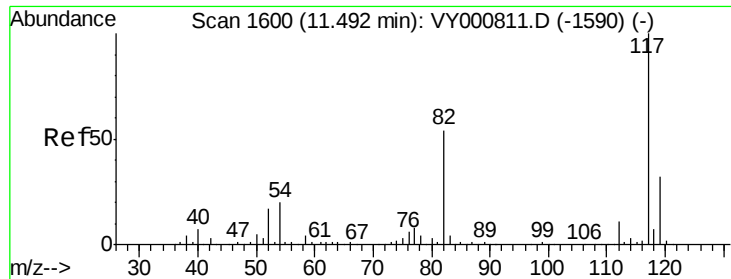


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





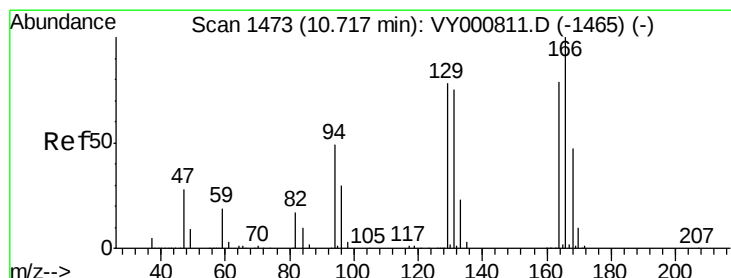
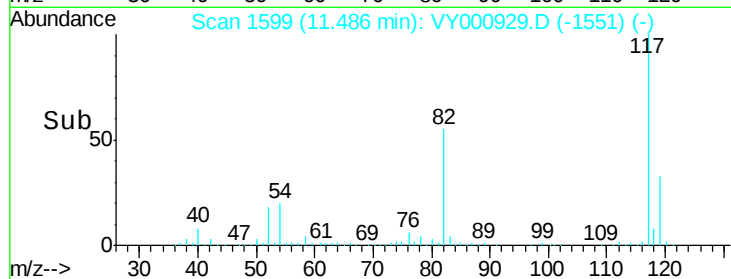
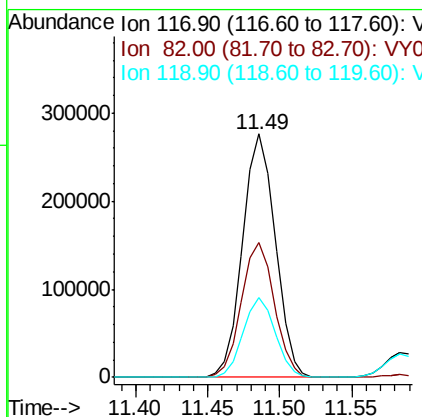
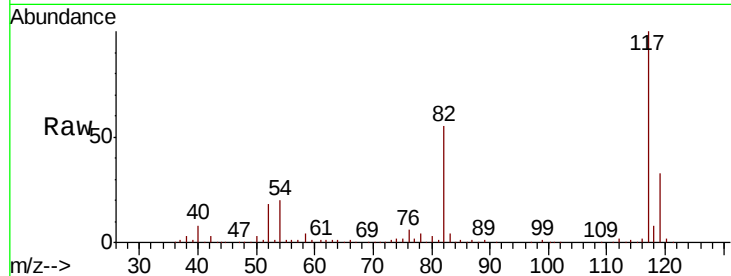
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VY000929.D
Acq: 12 Dec 2019 13:04

Instrument :
MSVOA_Y
ClientSampleId :
VY1212SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.4	43.1	64.7
119	33.0	25.3	37.9

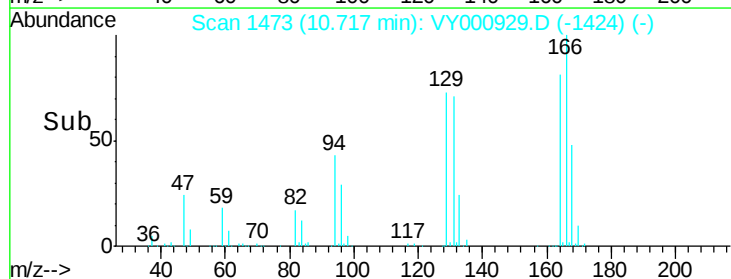
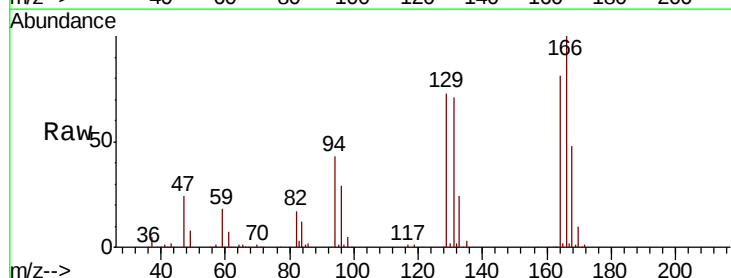
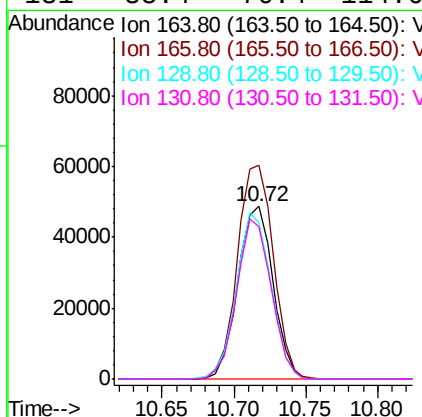
Manual Integrations
APPROVED

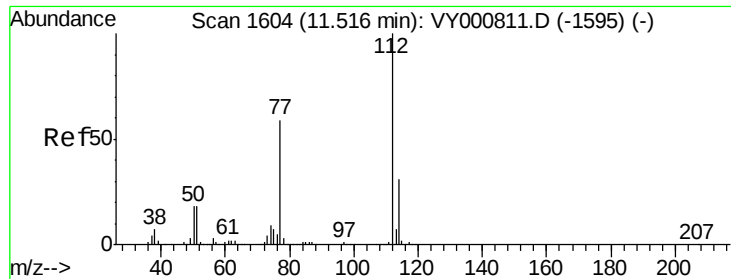
apatel
12/13/2019 10:33:43 AM



#64
Tetrachloroethene
Concen: 21.845 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VY000929.D
Acq: 12 Dec 2019 13:04

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.9	101.8	152.8
129	90.4	79.3	118.9
131	88.4	76.4	114.6





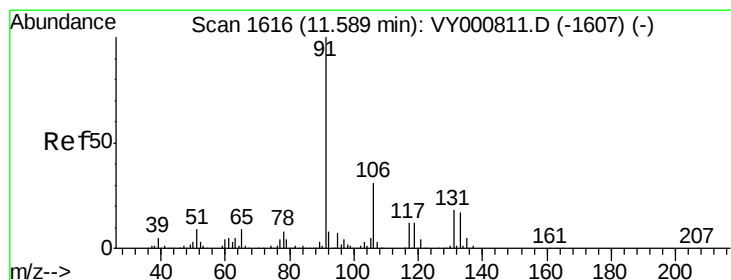
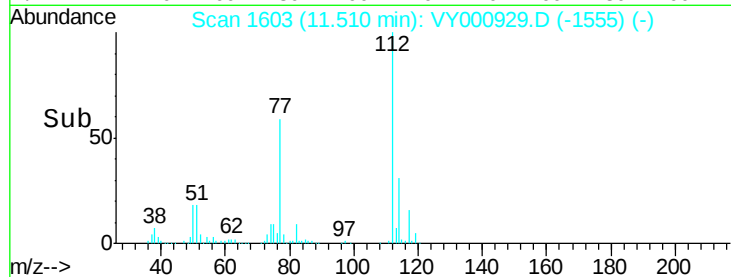
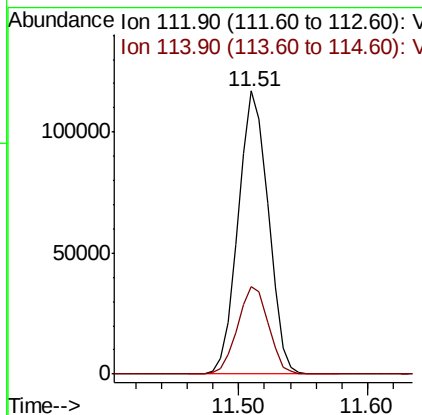
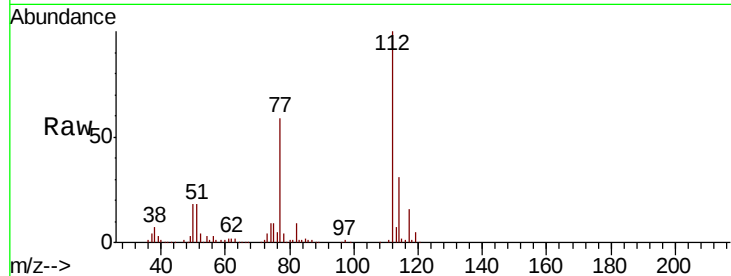
#65
Chlorobenzene
Concen: 20.860 ug/l
RT: 11.51 min Scan# 1603
Delta R.T. -0.01 min
Lab File: VY000929.D
Acq: 12 Dec 2019 13:04

Instrument :
MSVOA_Y
ClientSampleId :
VY1212SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.0	25.1	37.7

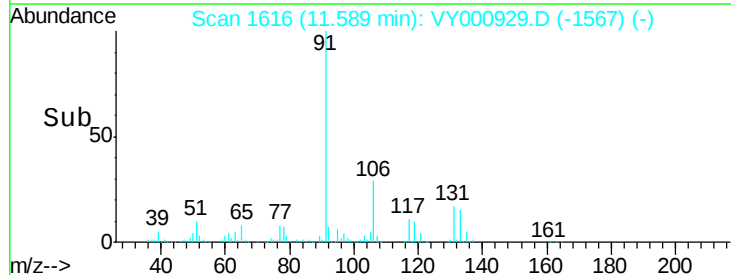
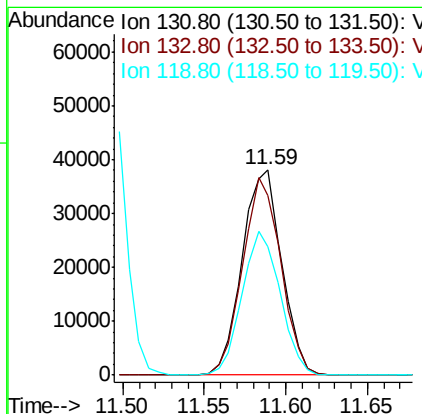
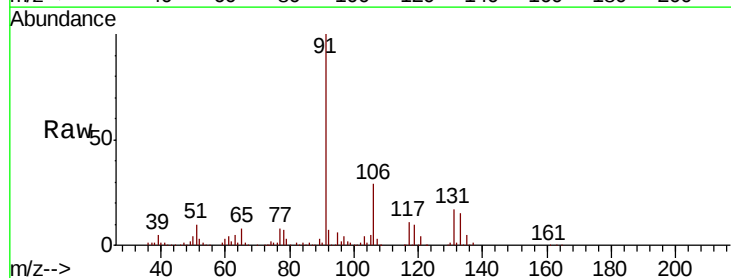
Manual Integrations
APPROVED

apatel
12/13/2019 10:33:43 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.095 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VY000929.D
Acq: 12 Dec 2019 13:04

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.3	47.4	142.2
119	67.7	33.8	101.3





#67

Ethyl Benzene

Concen: 20.776 ug/l

RT: 11.59 min Scan# 1616

Delta R.T. 0.00 min

Lab File: VY000929.D

Acq: 12 Dec 2019 13:04

Instrument :

MSVOA_Y

ClientSampleId :

VY1212SBS01

Tot Ion: 91 Resp: 350627

Ion Ratio Lower Upper

91 100

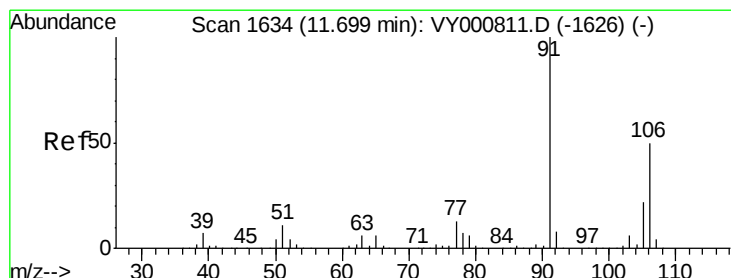
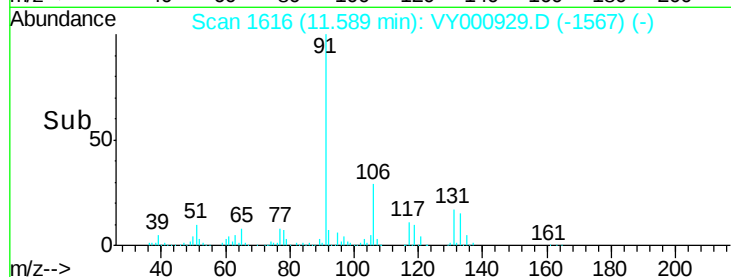
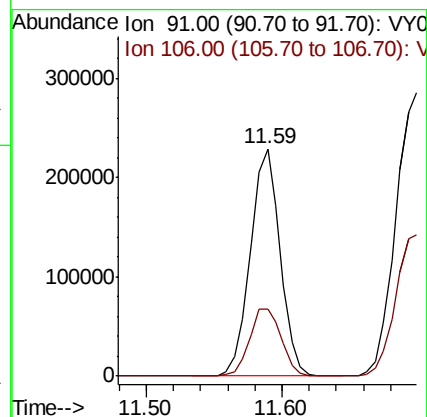
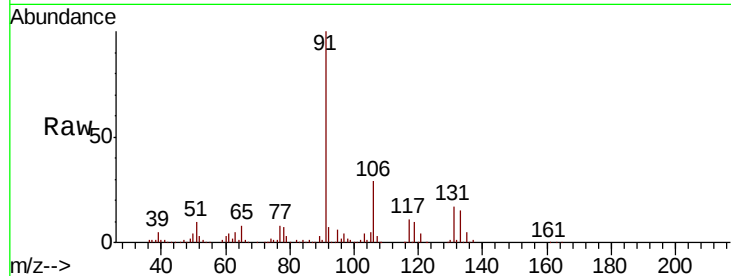
106 29.5 24.4 36.6

Manual Integrations

APPROVED

apatel

12/13/2019 10:33:43 AM



#68

m/p-Xylenes

Concen: 41.601 ug/l

RT: 11.70 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VY000929.D

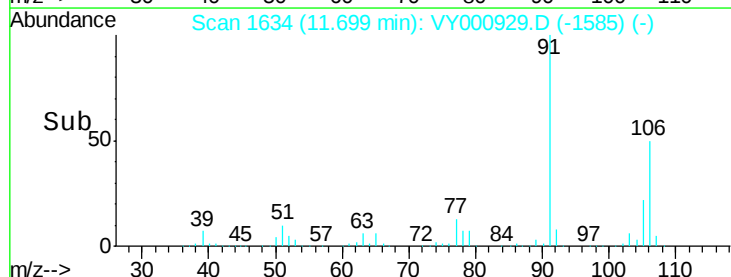
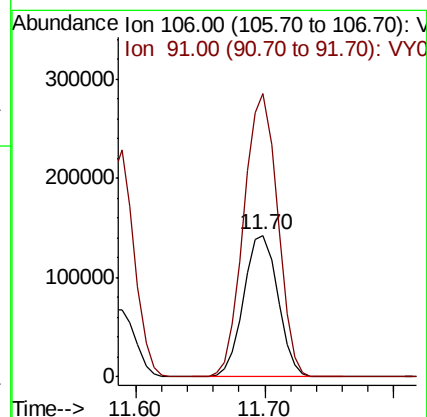
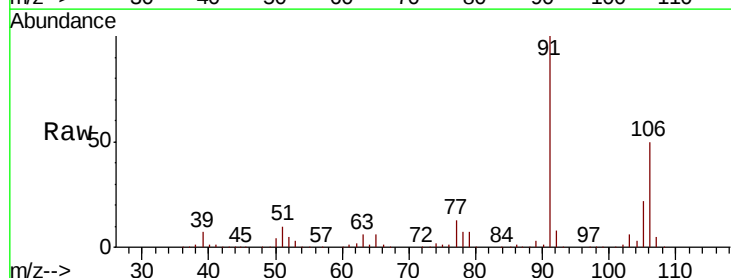
Acq: 12 Dec 2019 13:04

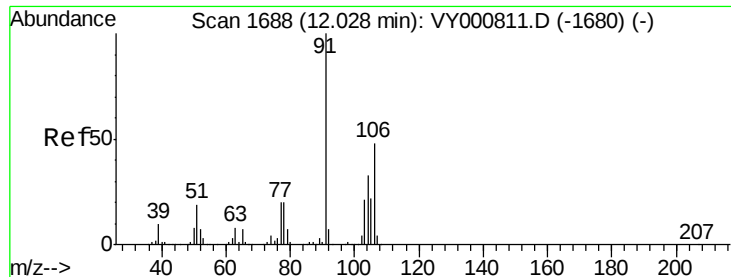
Tgt Ion: 106 Resp: 263516

Ion Ratio Lower Upper

106 100

91 197.1 159.6 239.4





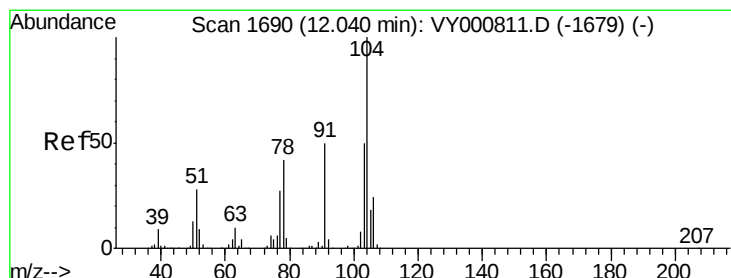
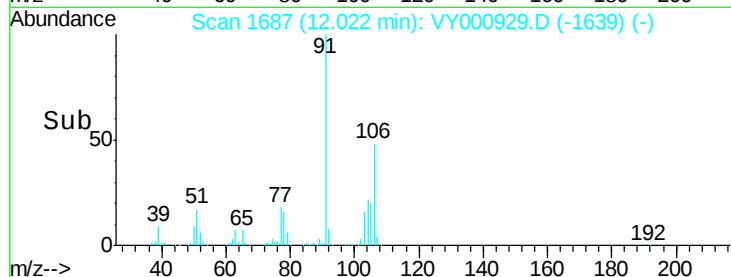
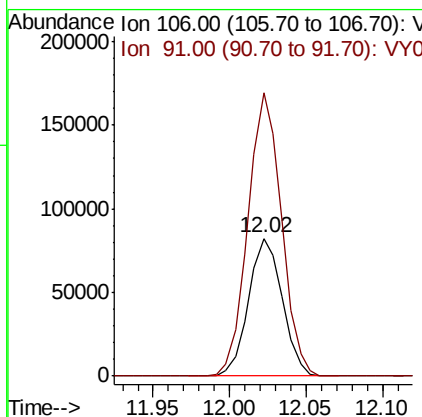
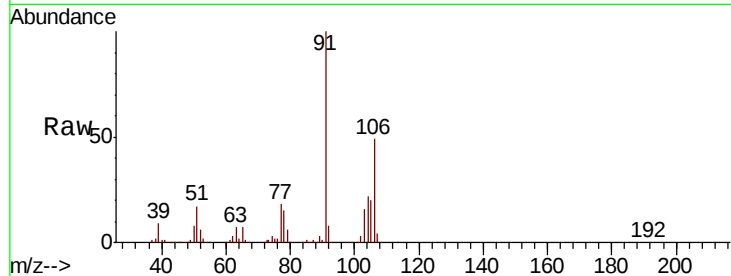
#69
o-Xylene
Concen: 21.356 ug/l
RT: 12.02 min Scan# 1687
Delta R.T. -0.01 min
Lab File: VY000929.D
Acq: 12 Dec 2019 13:04

Instrument :
MSVOA_Y
ClientSampleId :
VY1212SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	126133		
91	91	204.8	106.1	318.1	

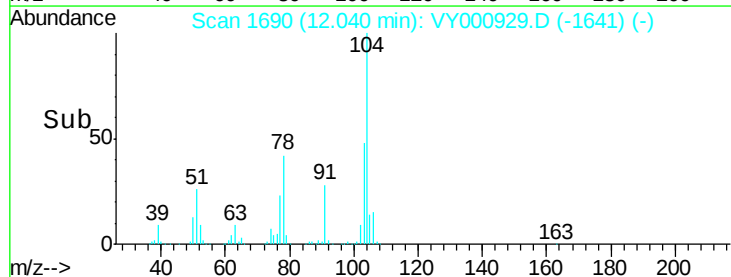
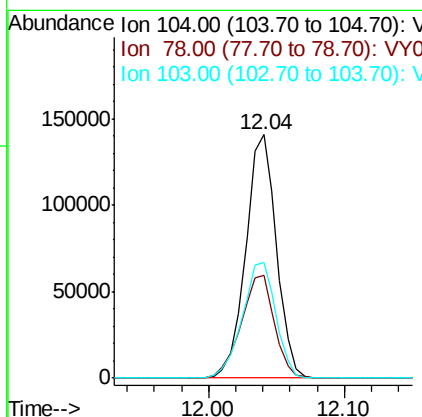
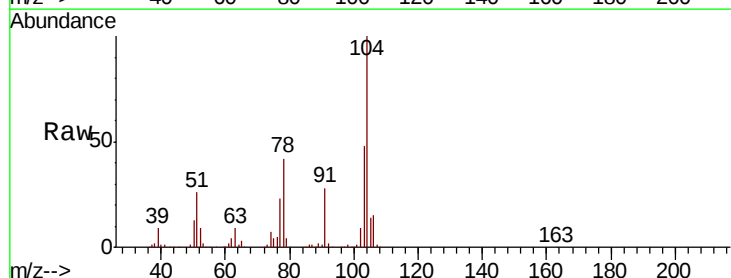
Manual Integrations
APPROVED

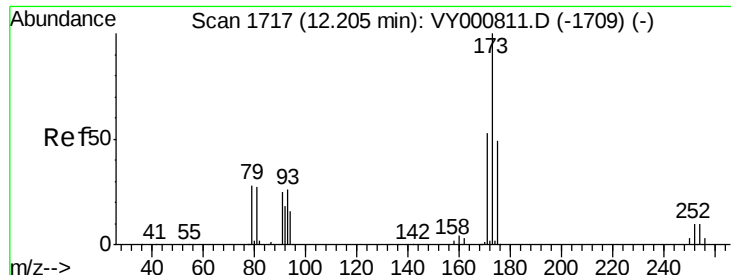
apatel
12/13/2019 10:33:43 AM



#70
Styrene
Concen: 21.869 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VY000929.D
Acq: 12 Dec 2019 13:04

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	221164		
78	78	46.1	38.2	57.4	
103	103	52.3	43.4	65.0	





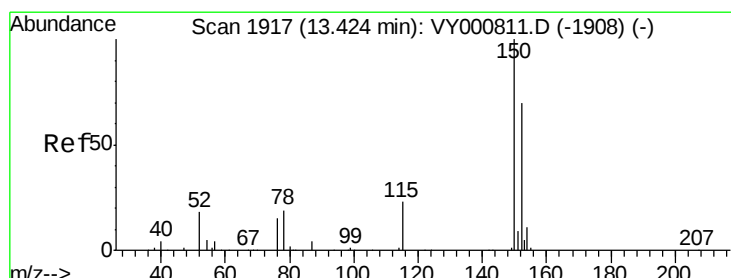
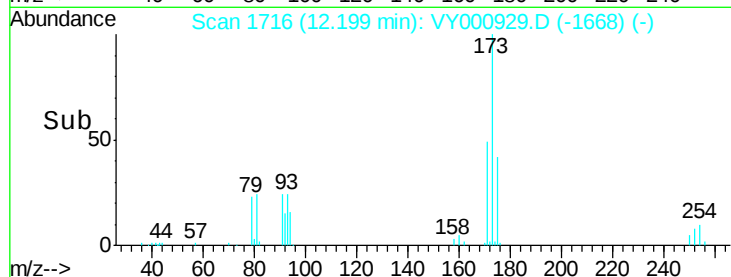
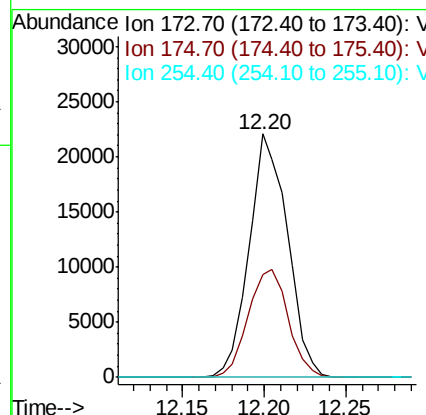
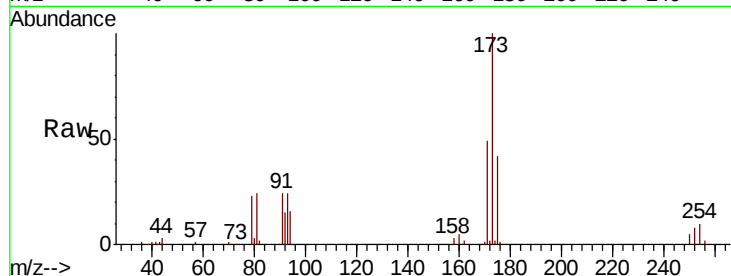
#71
Bromoform
Concen: 20.963 ug/l
RT: 12.20 min Scan# 1716
Delta R.T. -0.01 min
Lab File: VY000929.D
Acq: 12 Dec 2019 13:04

Instrument :
MSVOA_Y
ClientSampleId :
VY1212SBS01

Tot Ion:173 Resp: 36106
Ion Ratio Lower Upper
173 100
175 46.4 24.5 73.5
254 0.0 0.0 0.0

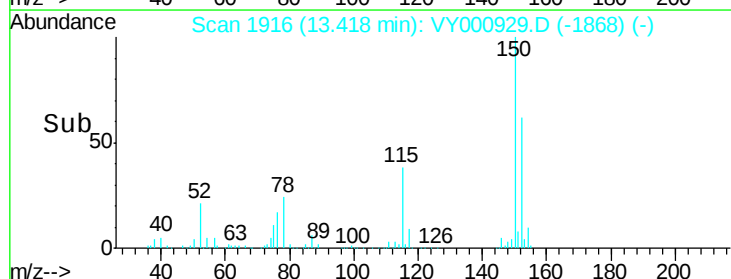
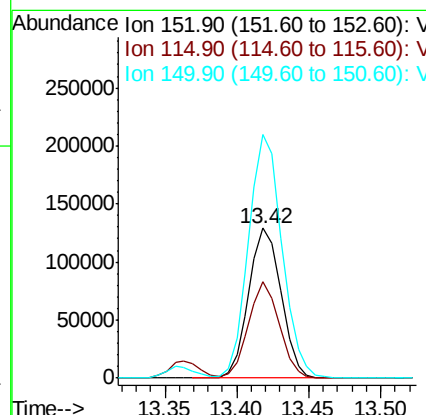
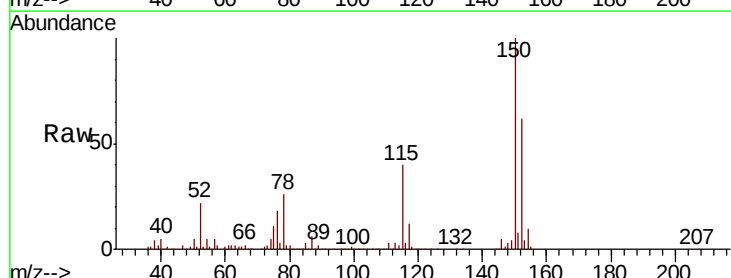
Manual Integrations
APPROVED

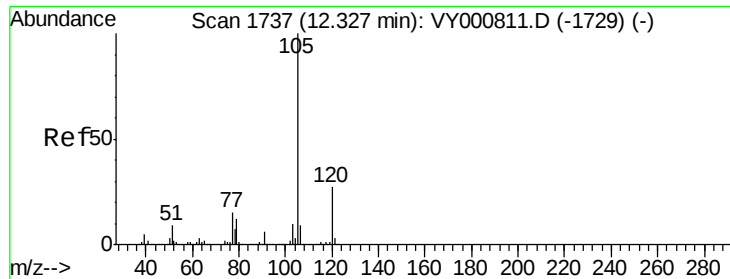
apatel
12/13/2019 10:33:43 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1916
Delta R.T. -0.01 min
Lab File: VY000929.D
Acq: 12 Dec 2019 13:04

Tgt Ion:152 Resp: 200624
Ion Ratio Lower Upper
152 100
115 61.2 29.3 87.8
150 168.1 0.0 351.2





#73

Isopropylbenzene

Concen: 20.571 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VY000929.D

Acq: 12 Dec 2019 13:04

Instrument :

MSVOA_Y

ClientSampleId :

VY1212SBS01

Tot Ion: 105 Resp: 328599

Ion Ratio Lower Upper

105 100

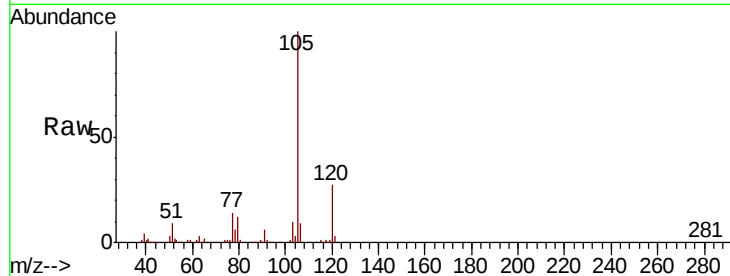
120 27.2 13.4 40.2

Manual Integrations

APPROVED

apatel

12/13/2019 10:33:43 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.33

250000

200000

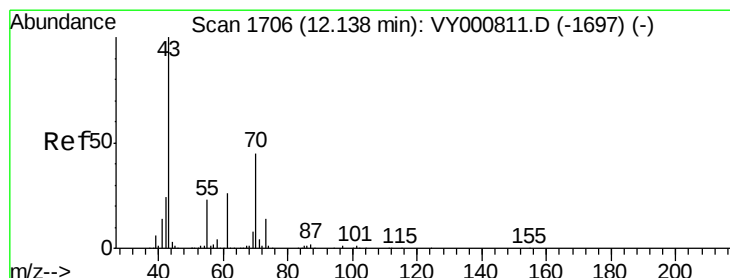
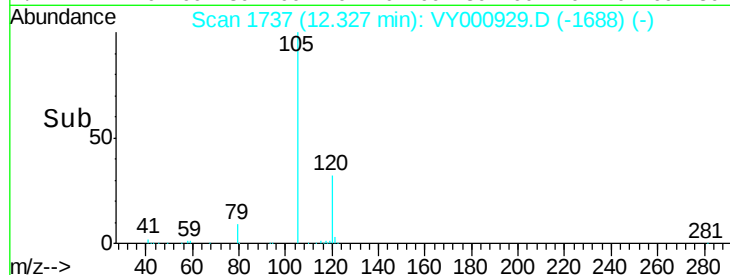
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 20.861 ug/l

RT: 12.14 min Scan# 1706

Delta R.T. 0.00 min

Lab File: VY000929.D

Acq: 12 Dec 2019 13:04

Tgt Ion: 43 Resp: 92752

Ion Ratio Lower Upper

43 100

70 46.7 36.6 54.8

55 24.8 18.8 28.2

61 25.5 21.0 31.6

Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0

100000

80000

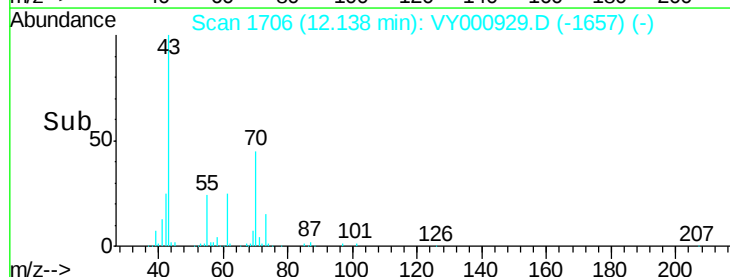
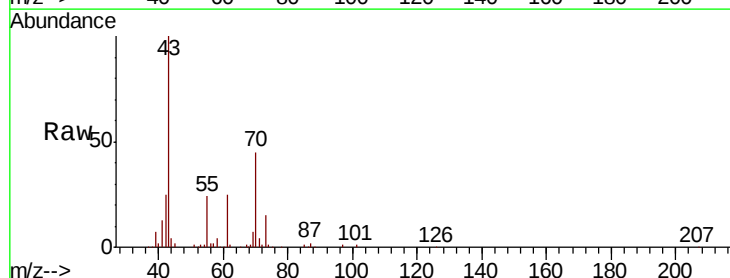
60000

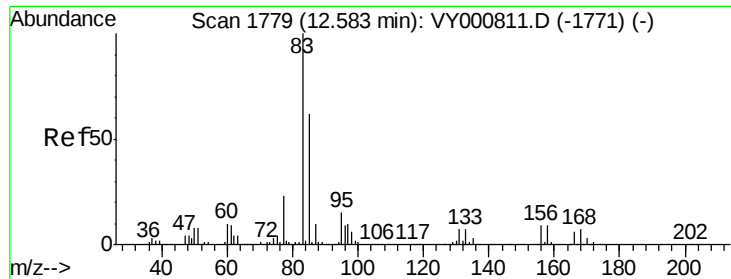
40000

20000

0

Time-->





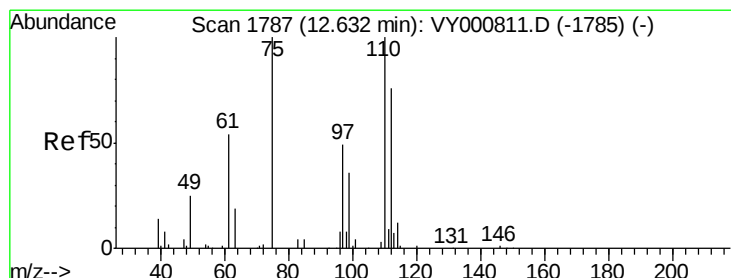
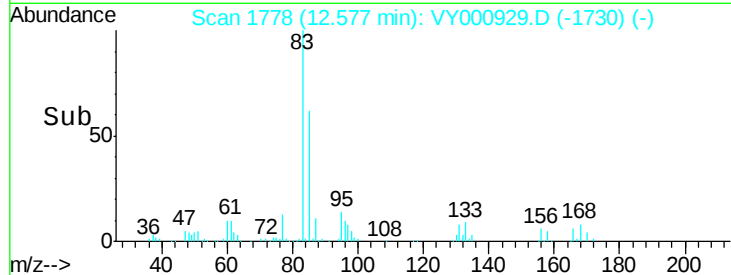
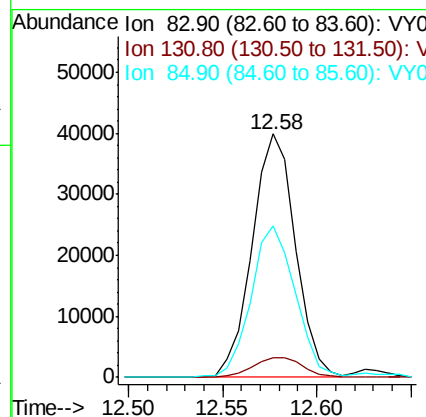
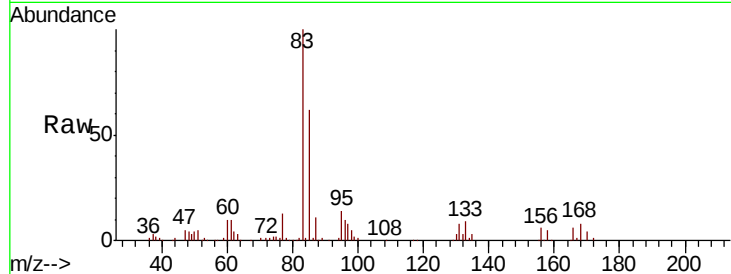
#75
 1,1,2,2-Tetrachloroethane
 Concen: 20.184 ug/l
 RT: 12.58 min Scan# 1778
 Delta R.T. -0.01 min
 Lab File: VY000929.D
 Acq: 12 Dec 2019 13:04

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1212SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	63530		
131	9.5	4.3	13.1	
85	63.8	32.4	97.0	

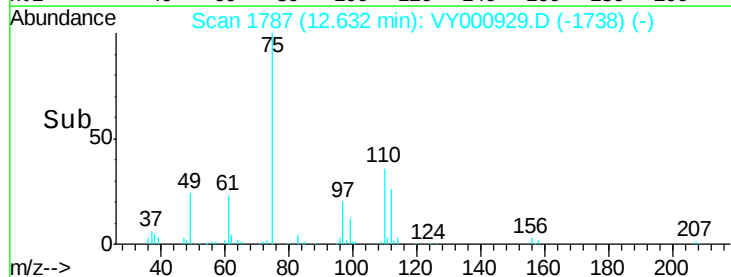
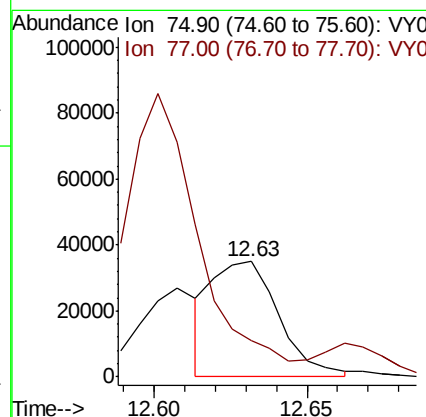
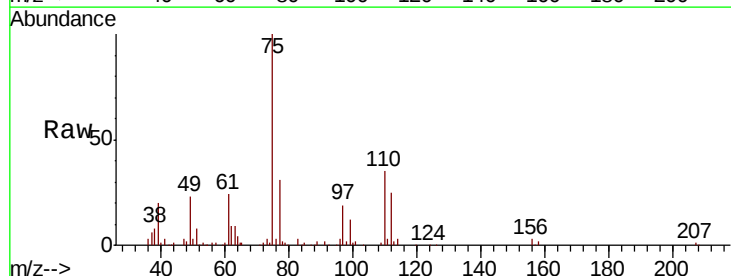
Manual Integrations
 APPROVED

apatel
 12/13/2019 10:33:43 AM



#76
 1,2,3-Trichloropropane
 Concen: 23.400 ug/l m
 RT: 12.63 min Scan# 1787
 Delta R.T. 0.00 min
 Lab File: VY000929.D
 Acq: 12 Dec 2019 13:04

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	53190		
77	0.0	0.0	0.0	





#77

Bromobenzene

Concen: 21.327 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VY000929.D

Acq: 12 Dec 2019 13:04

Instrument :

MSVOA_Y

ClientSampleId :

VY1212SBS01

Tot Ion:156 Resp: 73846

Ion Ratio Lower Upper

156 100

77 199.0 102.6 307.7

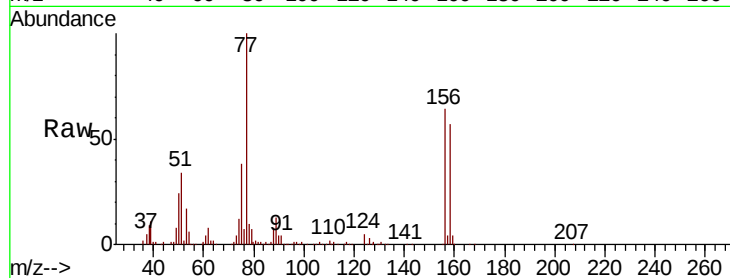
158 93.4 47.6 142.8

Manual Integrations

APPROVED

apatel

12/13/2019 10:33:43 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V

120000

100000

80000

60000

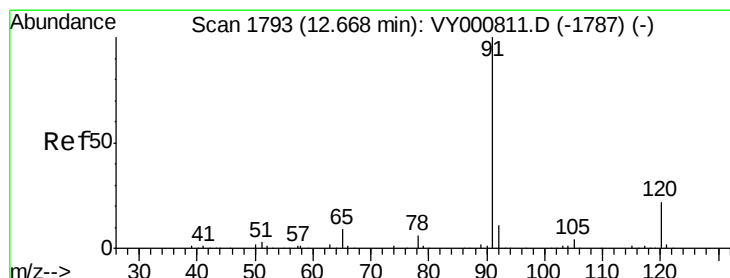
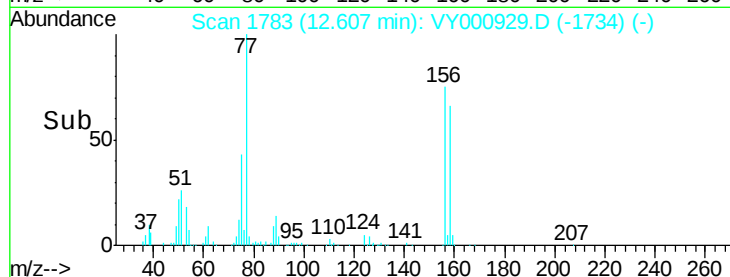
40000

20000

0

12.55 12.60 12.65

Time-->



#78

n-propylbenzene

Concen: 20.763 ug/l

RT: 12.66 min Scan# 1792

Delta R.T. -0.01 min

Lab File: VY000929.D

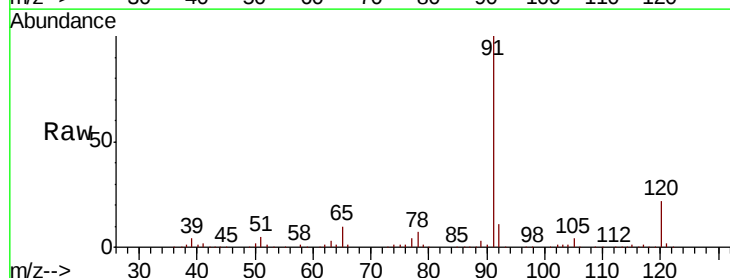
Acq: 12 Dec 2019 13:04

Tgt Ion: 91 Resp: 404978

Ion Ratio Lower Upper

91 100

120 22.7 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V

300000

250000

200000

150000

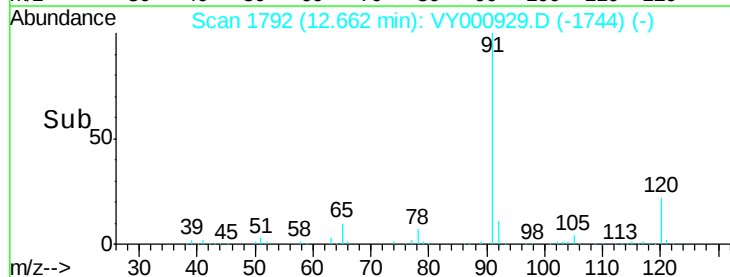
100000

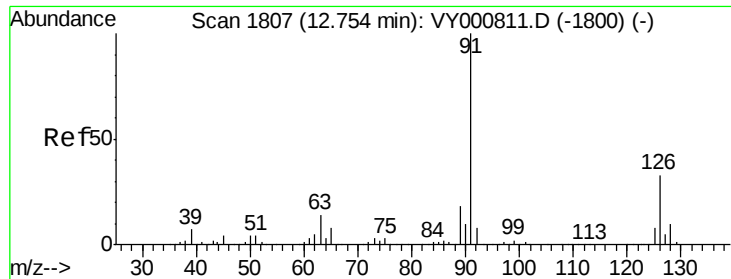
50000

0

12.60 12.65 12.70

Time-->





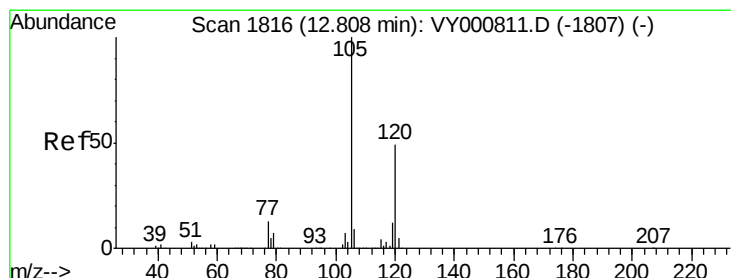
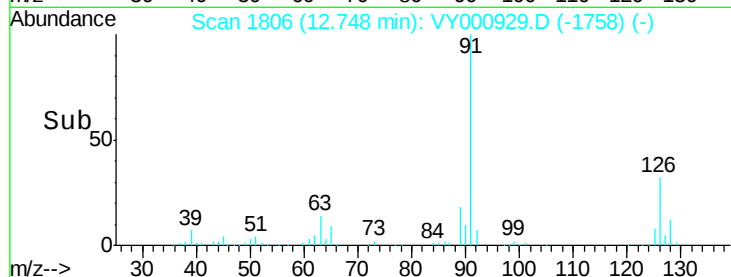
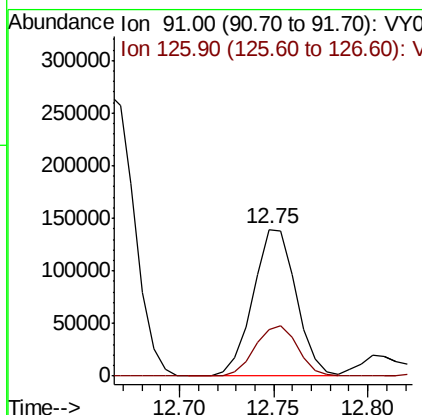
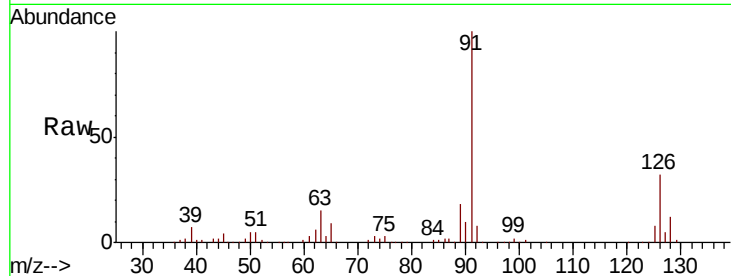
#79
2-Chlorotoluene
Concen: 20.500 ug/l
RT: 12.75 min Scan# 1806
Delta R.T. -0.01 min
Lab File: VY000929.D
Acq: 12 Dec 2019 13:04

Instrument :
MSVOA_Y
ClientSampleId :
VY1212SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
126	34.2	17.0	51.0

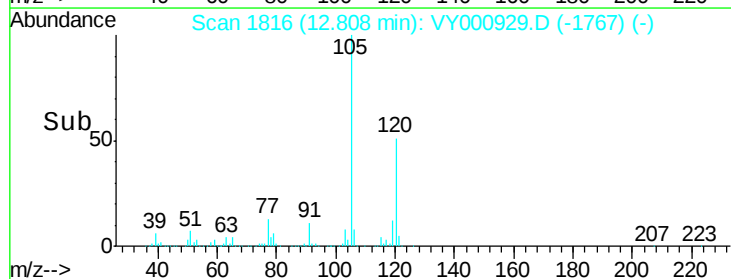
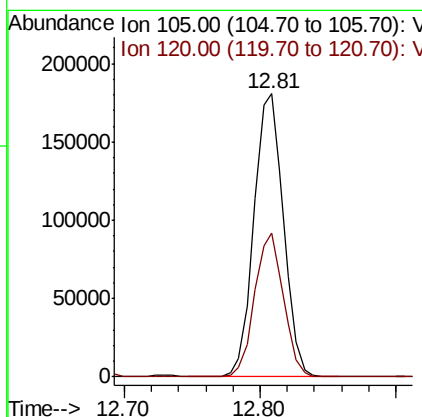
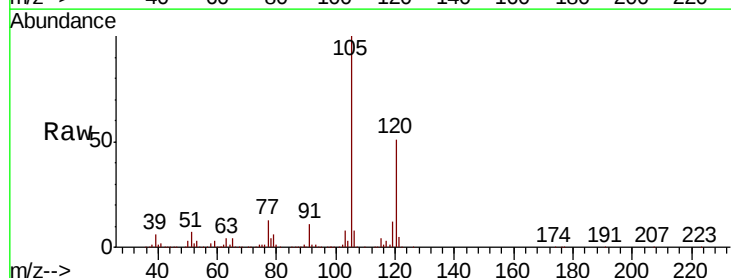
Manual Integrations
APPROVED

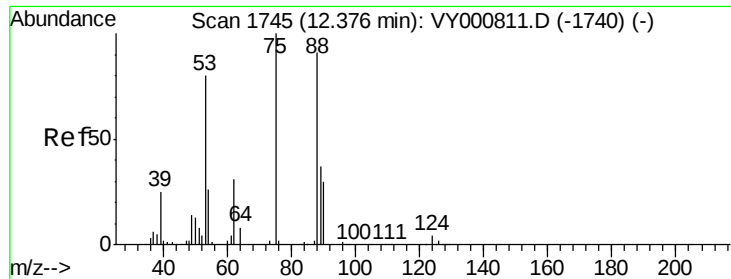
apatel
12/13/2019 10:33:43 AM



#80
1,3,5-Trimethylbenzene
Concen: 20.860 ug/l
RT: 12.81 min Scan# 1816
Delta R.T. 0.00 min
Lab File: VY000929.D
Acq: 12 Dec 2019 13:04

Tgt Ion	Ratio	Lower	Upper
105	100		
120	49.6	24.6	74.0





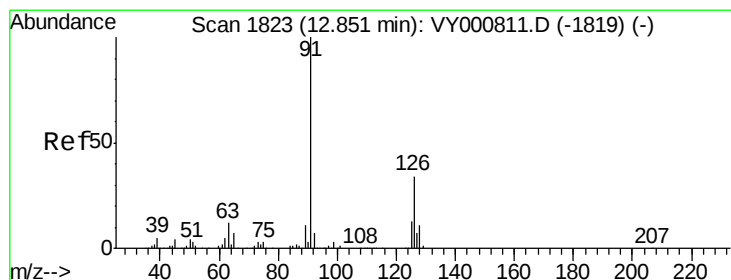
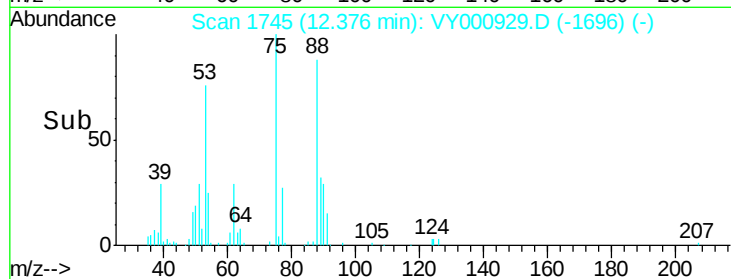
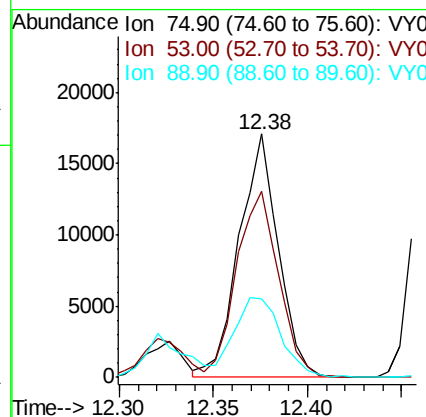
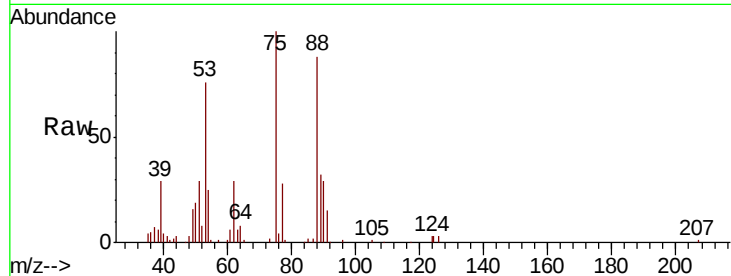
#81
trans-1,4-Dichloro-2-butene
Concen: 21.245 ug/l
RT: 12.38 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VY000929.D
Acq: 12 Dec 2019 13:04

Instrument :
MSVOA_Y
ClientSampleId :
VY1212SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	82.1	64.6	96.8
89	38.9	33.6	50.4

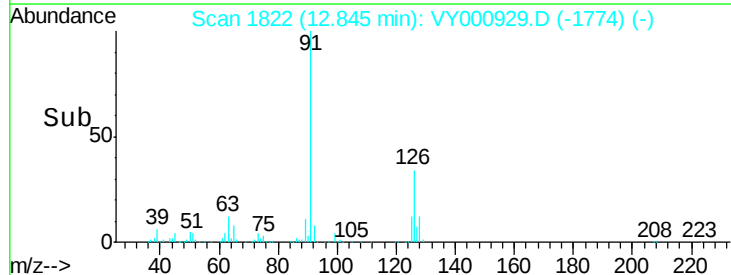
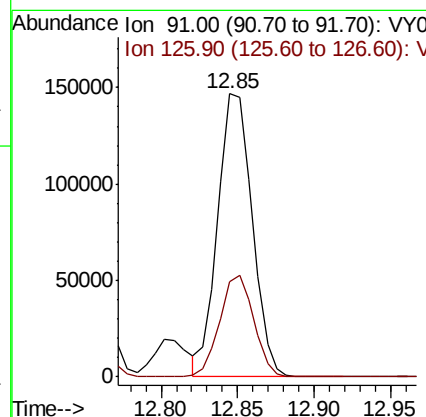
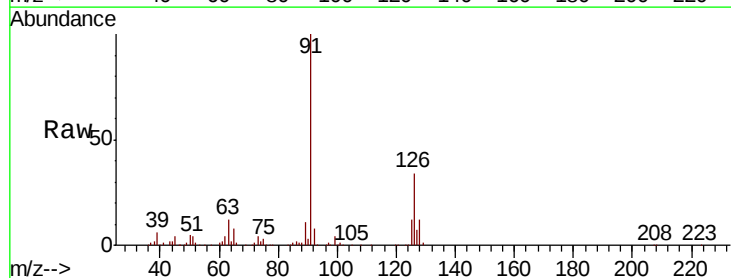
Manual Integrations
APPROVED

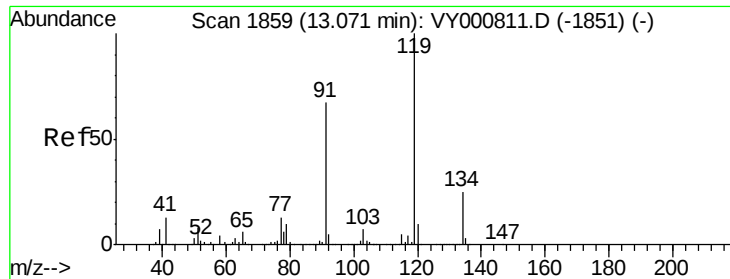
apatel
12/13/2019 10:33:43 AM



#82
4-Chlorotoluene
Concen: 20.778 ug/l
RT: 12.85 min Scan# 1822
Delta R.T. -0.01 min
Lab File: VY000929.D
Acq: 12 Dec 2019 13:04

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.6	17.3	51.9





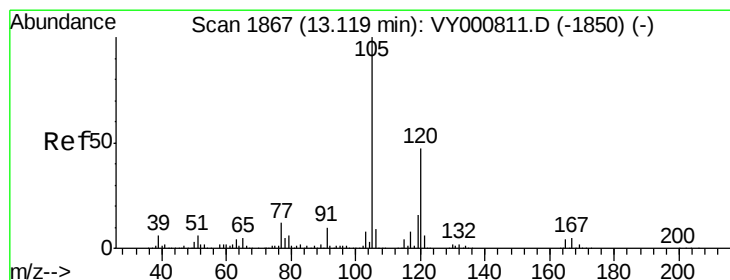
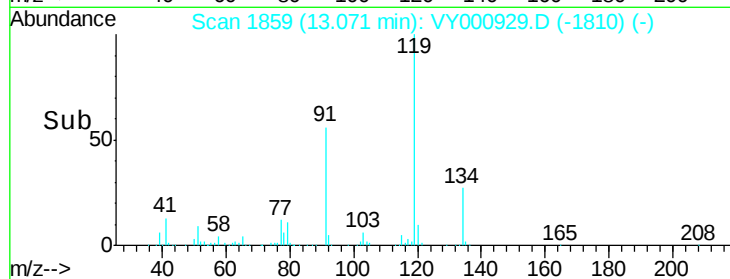
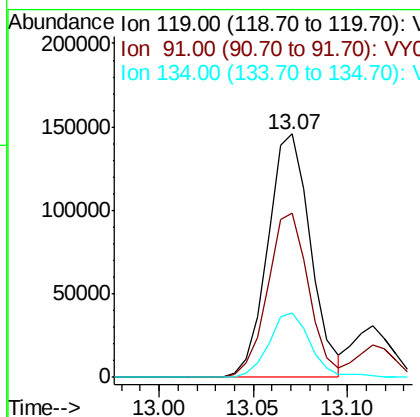
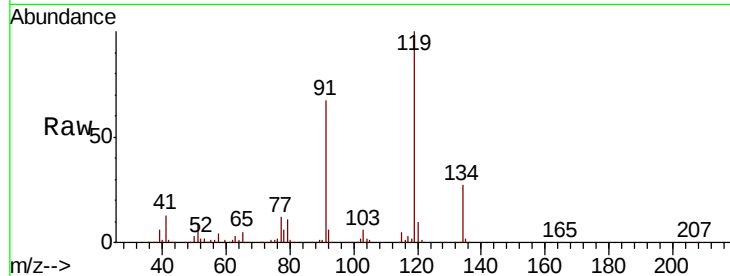
#83
tert-Butylbenzene
Concen: 20.615 ug/l
RT: 13.07 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VY000929.D
Acq: 12 Dec 2019 13:04

Instrument :
MSVOA_Y
ClientSampleId :
VY1212SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	229238		
91	64.9	32.3	96.8	
134	26.2	12.9	38.7	

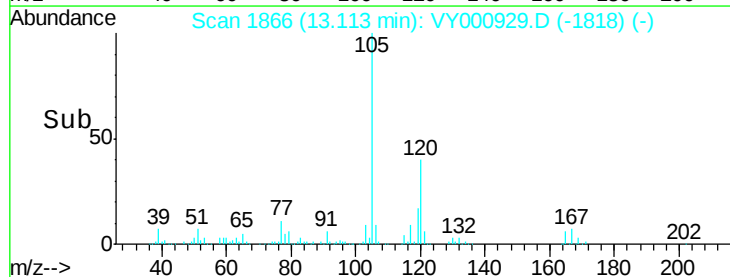
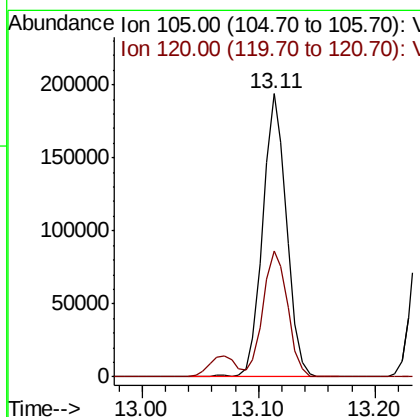
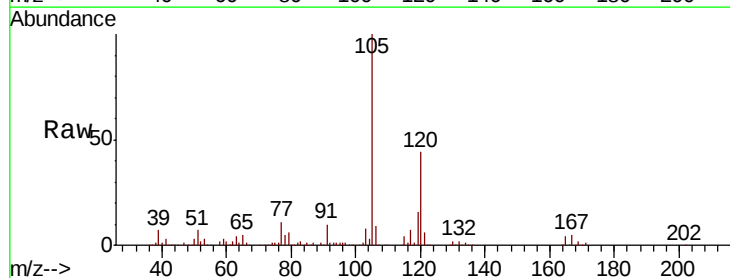
Manual Integrations
APPROVED

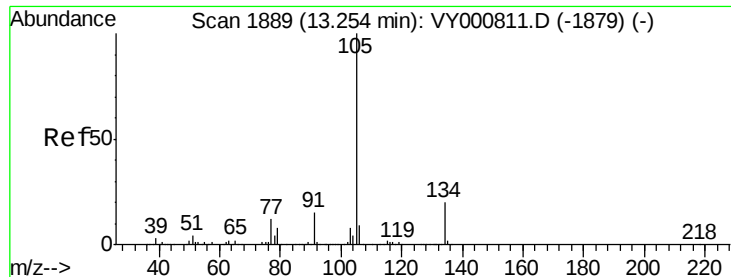
apatel
12/13/2019 10:33:43 AM



#84
1,2,4-Trimethylbenzene
Concen: 20.913 ug/l
RT: 13.11 min Scan# 1866
Delta R.T. -0.01 min
Lab File: VY000929.D
Acq: 12 Dec 2019 13:04

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	276734		
120	45.7	22.6	67.8	





#85

sec-Butylbenzene

Concen: 20.681 ug/l

RT: 13.25 min Scan# 1888

Delta R.T. -0.01 min

Lab File: VY000929.D

Acq: 12 Dec 2019 13:04

Instrument :

MSVOA_Y

ClientSampleId :

VY1212SBS01

Tot Ion:105 Resp: 334451

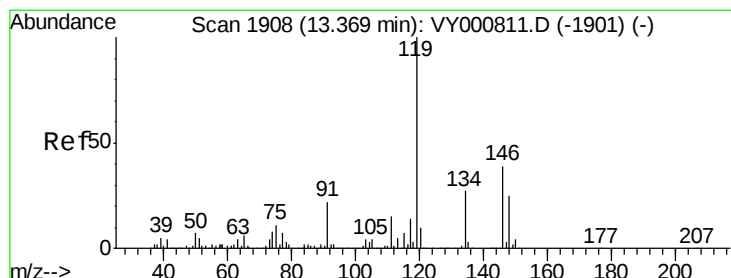
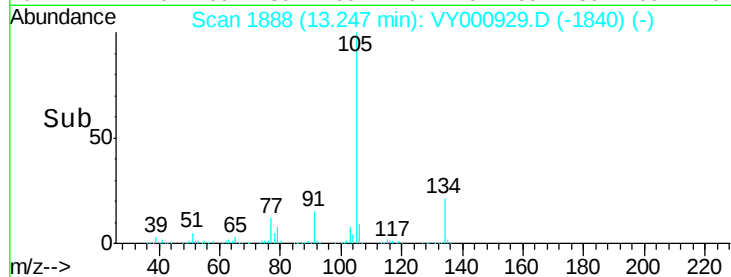
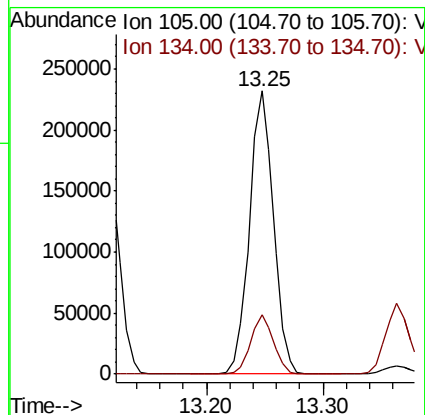
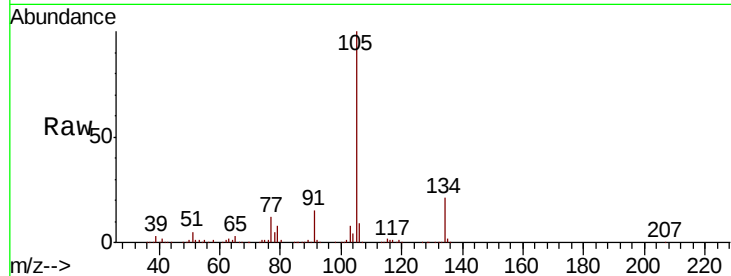
Ion Ratio Lower Upper

105 100

134 20.0 10.1 30.1

Manual Integrations
APPROVED

apatel
12/13/2019 10:33:43 AM



#86

p-Isopropyltoluene

Concen: 21.213 ug/l

RT: 13.36 min Scan# 1907

Delta R.T. -0.01 min

Lab File: VY000929.D

Acq: 12 Dec 2019 13:04

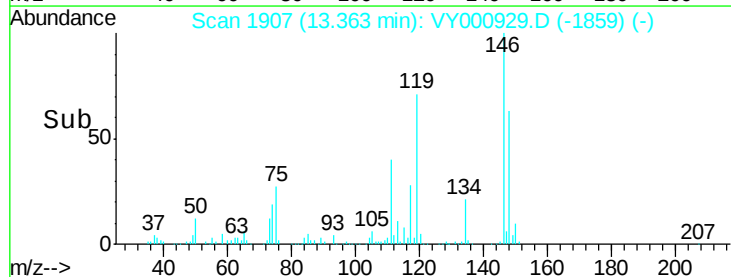
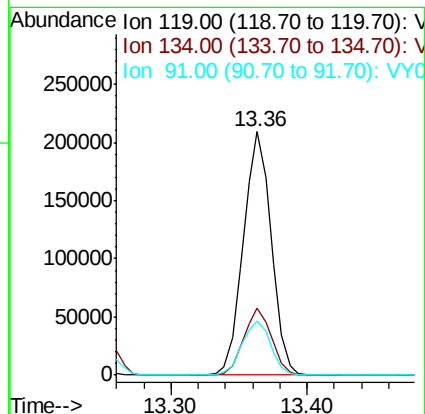
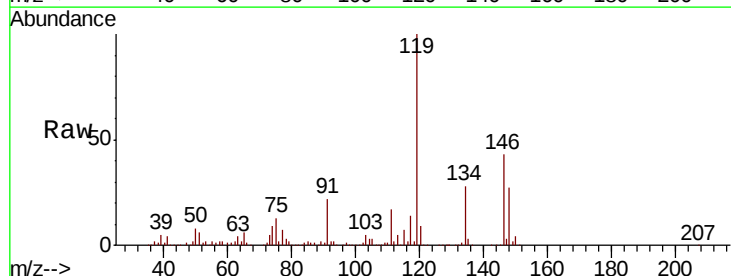
Tgt Ion:119 Resp: 298393

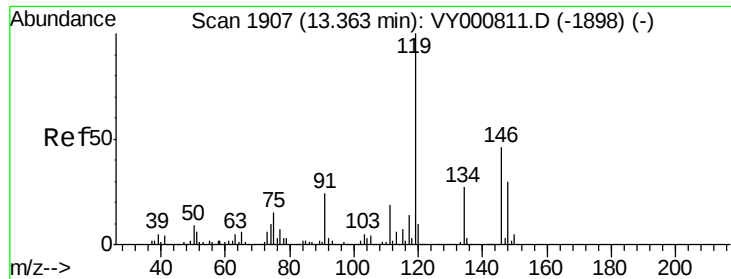
Ion Ratio Lower Upper

119 100

134 27.3 13.5 40.4

91 22.7 11.5 34.5





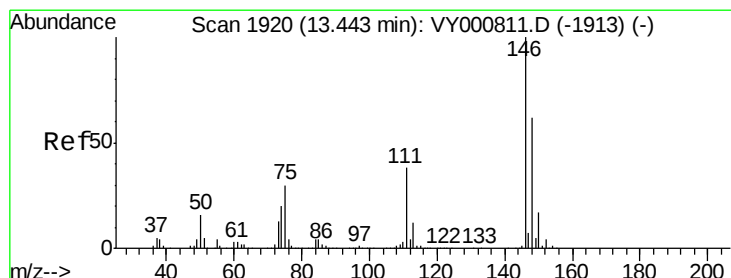
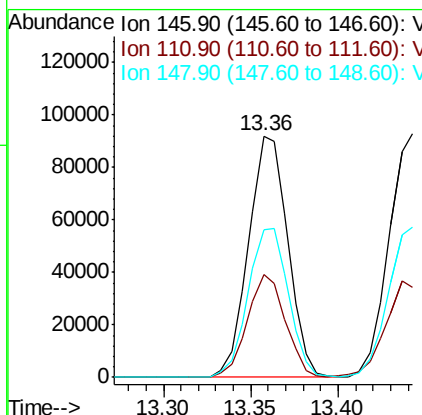
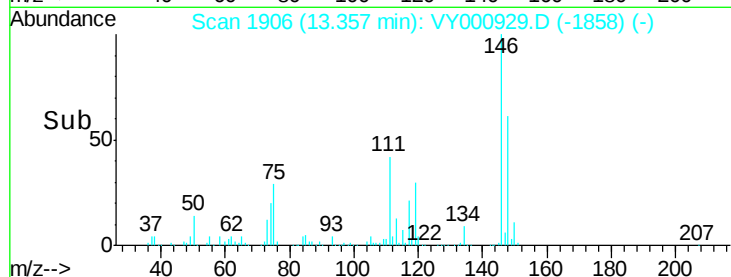
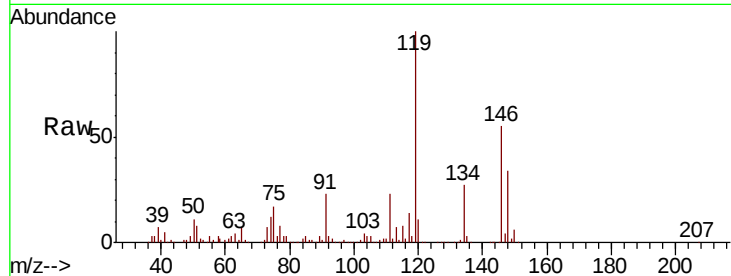
#87
 1,3-Dichlorobenzene
 Concen: 21.155 ug/l
 RT: 13.36 min Scan# 1906
 Delta R.T. -0.01 min
 Lab File: VY000929.D
 Acq: 12 Dec 2019 13:04

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1212SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	143699		
111	41.2	20.0	60.0	
148	63.3	32.1	96.5	

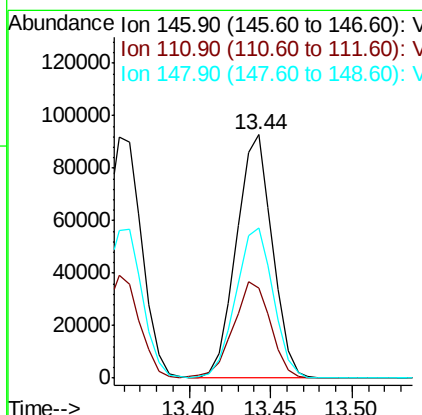
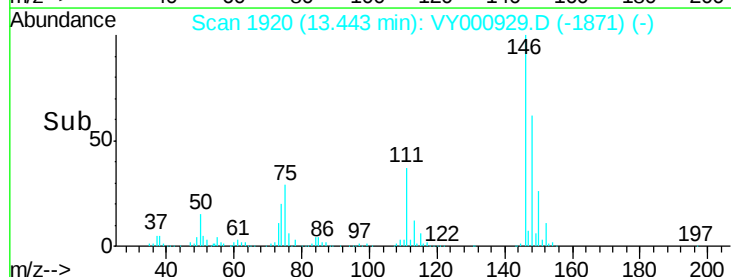
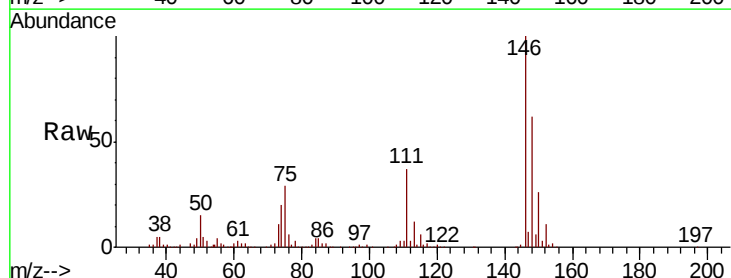
Manual Integrations
 APPROVED

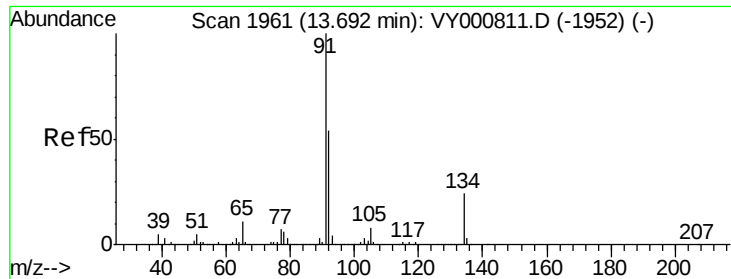
apatel
 12/13/2019 10:33:43 AM



#88
 1,4-Dichlorobenzene
 Concen: 21.185 ug/l
 RT: 13.44 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VY000929.D
 Acq: 12 Dec 2019 13:04

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	142485		
111	41.1	20.0	59.9	
148	64.2	31.7	95.1	





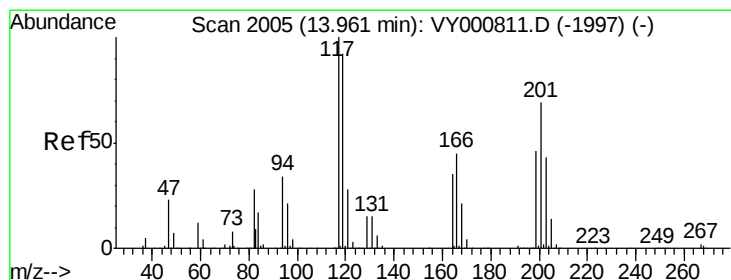
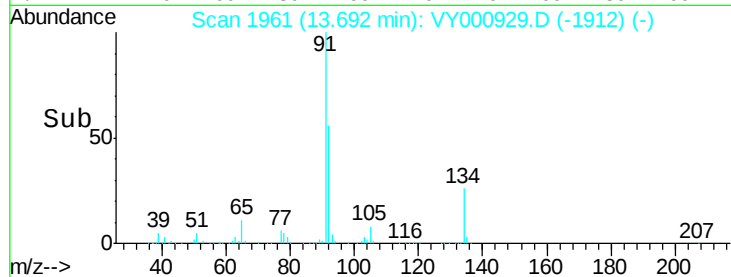
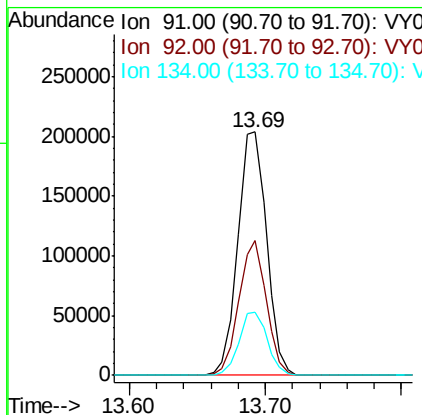
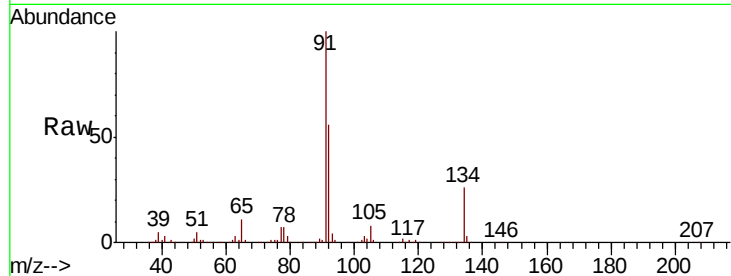
#89
n-Butylbenzene
Concen: 21.118 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. 0.00 min
Lab File: VY000929.D
Acq: 12 Dec 2019 13:04

Instrument :
MSVOA_Y
ClientSampleId :
VY1212SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	52.6	26.9	80.7	
134	25.7	12.6	37.6	

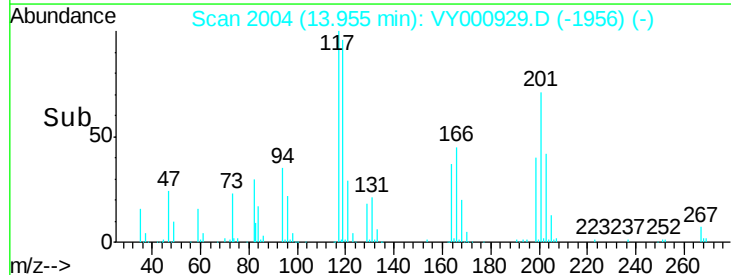
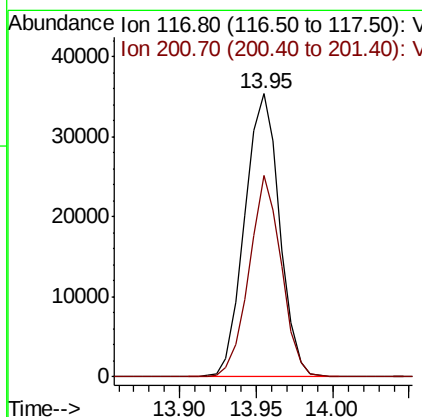
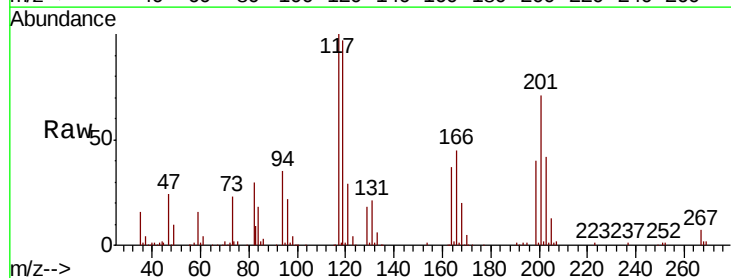
Manual Integrations
APPROVED

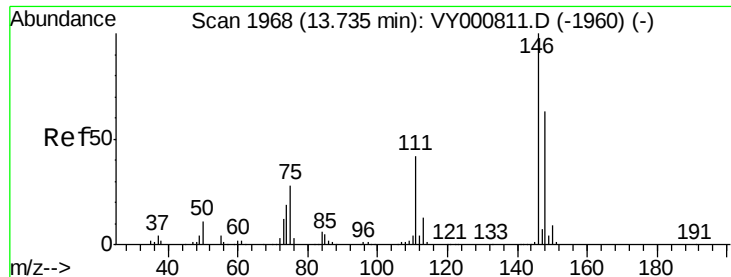
apatel
12/13/2019 10:33:43 AM



#90
Hexachloroethane
Concen: 21.643 ug/l
RT: 13.95 min Scan# 2004
Delta R.T. -0.01 min
Lab File: VY000929.D
Acq: 12 Dec 2019 13:04

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	65.6	34.0	102.0	





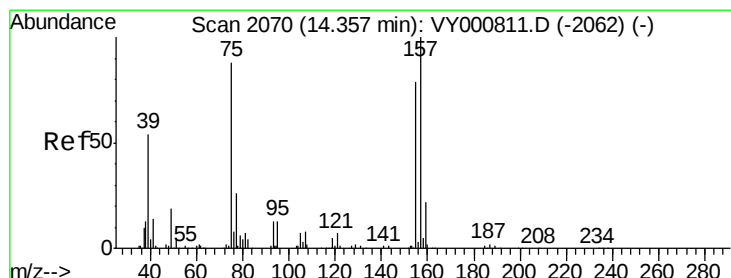
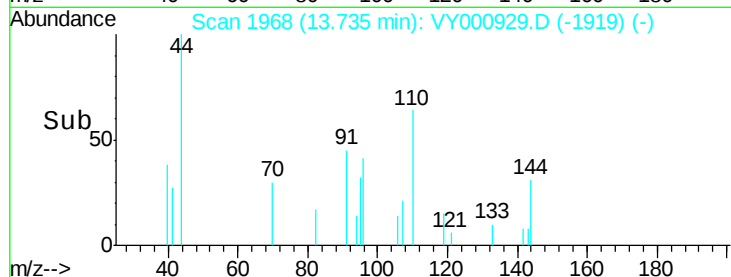
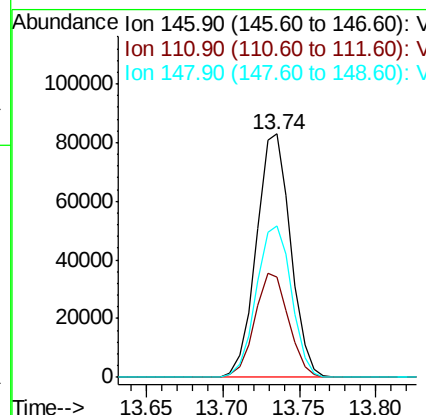
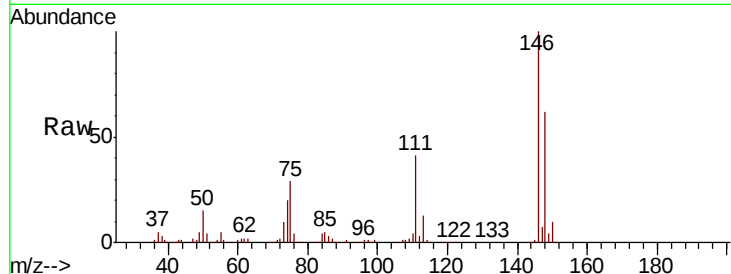
#91
 1,2-Dichlorobenzene
 Concen: 21.198 ug/l
 RT: 13.74 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VY000929.D
 Acq: 12 Dec 2019 13:04

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1212SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	20.9	62.7
148	63.8	32.1	96.3

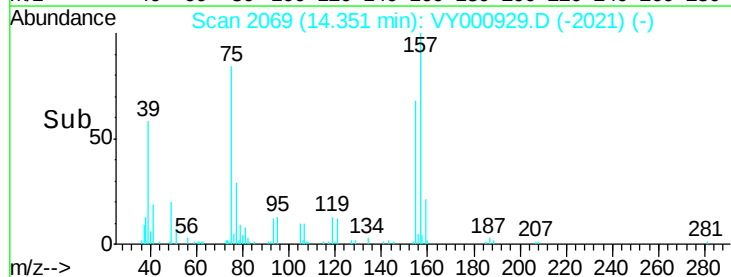
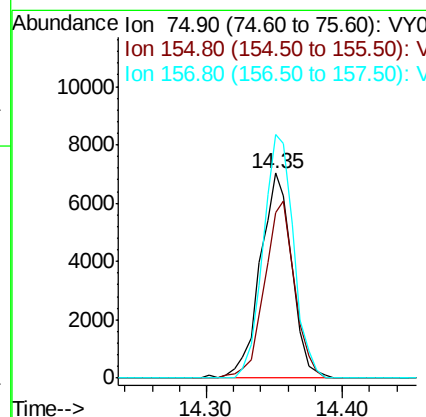
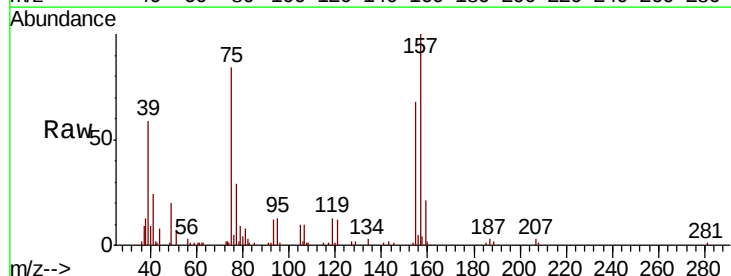
Manual Integrations
 APPROVED

apatel
 12/13/2019 10:33:43 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.782 ug/l
 RT: 14.35 min Scan# 2069
 Delta R.T. -0.01 min
 Lab File: VY000929.D
 Acq: 12 Dec 2019 13:04

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.0	44.3	132.9
157	114.3	56.3	168.9





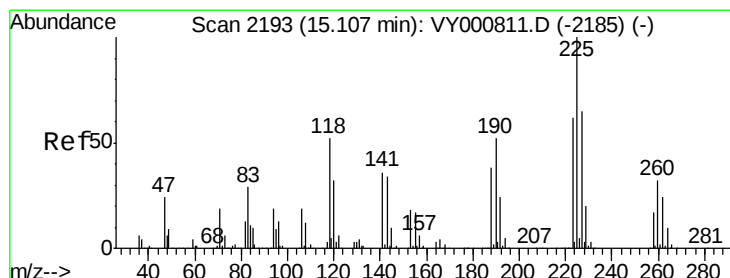
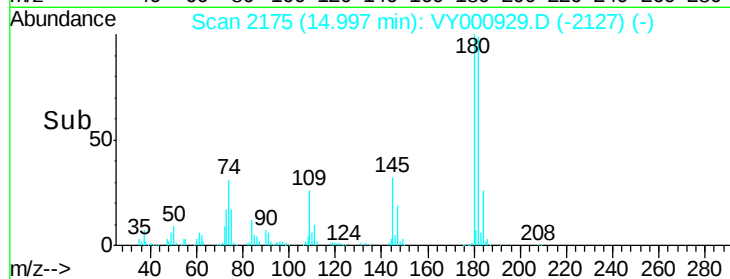
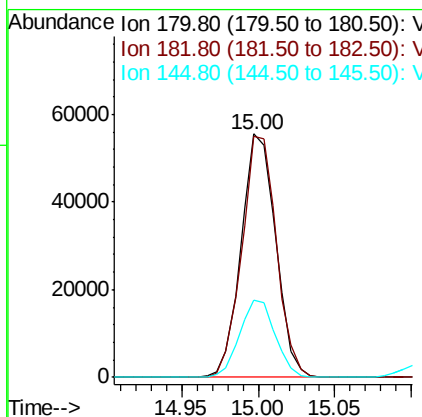
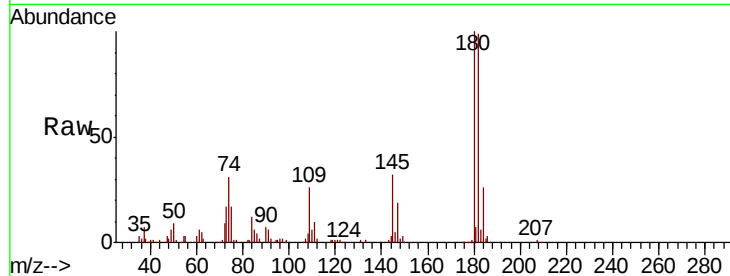
#93
 1,2,4-Trichlorobenzene
 Concen: 21.106 ug/l
 RT: 15.00 min Scan# 2175
 Delta R.T. -0.01 min
 Lab File: VY000929.D
 Acq: 12 Dec 2019 13:04

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1212SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.9	47.3	141.9
145	32.6	16.0	47.9

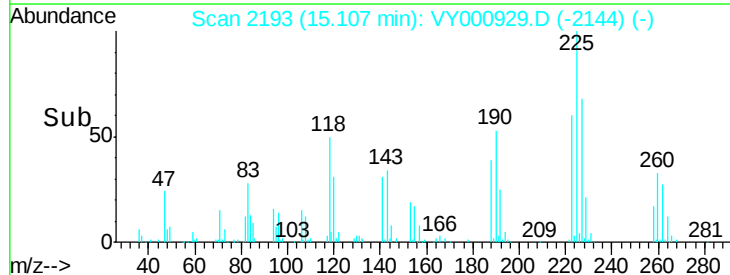
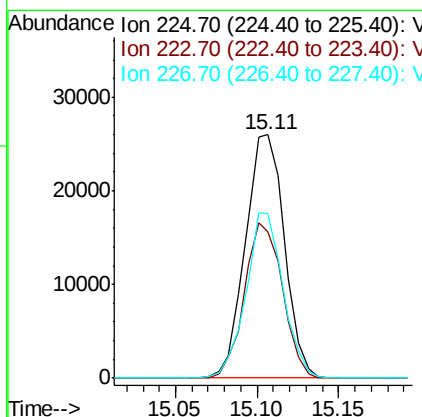
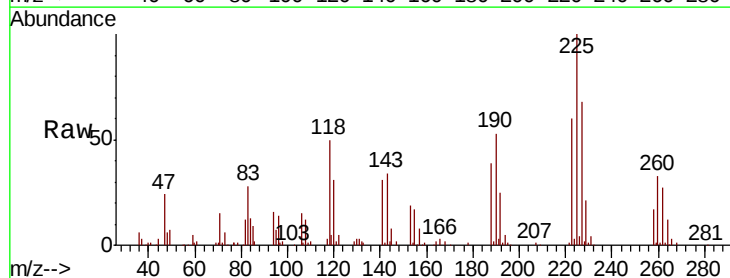
Manual Integrations
 APPROVED

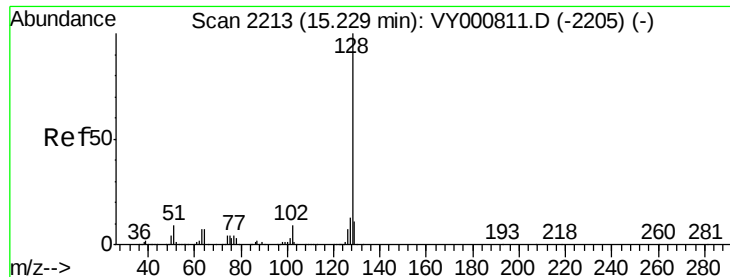
apatel
 12/13/2019 10:33:43 AM



#94
 Hexachlorobutadiene
 Concen: 21.067 ug/l
 RT: 15.11 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VY000929.D
 Acq: 12 Dec 2019 13:04

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.1	31.4	94.3
227	65.0	31.8	95.3





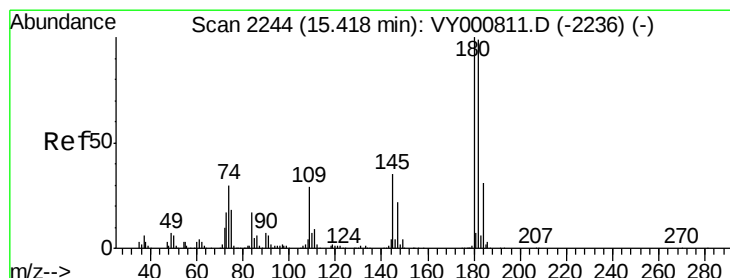
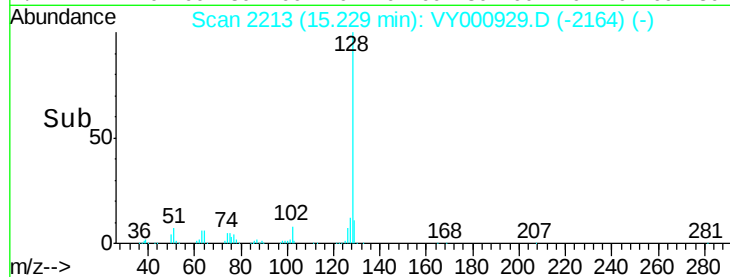
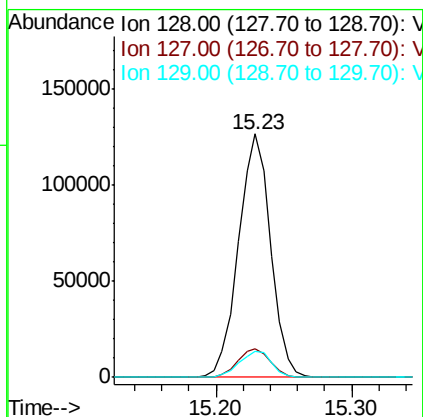
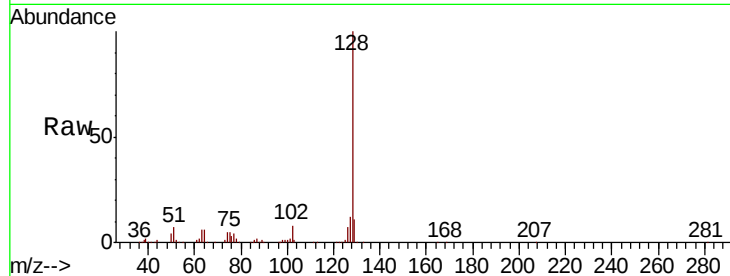
#95
Naphthalene
Concen: 21.645 ug/l
RT: 15.23 min Scan# 2213
Delta R.T. 0.00 min
Lab File: VY000929.D
Acq: 12 Dec 2019 13:04

Instrument :
MSVOA_Y
ClientSampleId :
VY1212SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	11.9	10.1	15.1
129	10.9	8.8	13.2

Manual Integrations
APPROVED

apatel
12/13/2019 10:33:43 AM



#96
1,2,3-Trichlorobenzene
Concen: 22.238 ug/l
RT: 15.42 min Scan# 2244
Delta R.T. 0.00 min
Lab File: VY000929.D
Acq: 12 Dec 2019 13:04

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.4	48.0	144.0
145	32.1	16.9	50.6

