

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY032520\
 Data File : VY002063.D
 Acq On : 25 Mar 2020 13:53
 Operator : SY/MD
 Sample : VY0325SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0325SBS01

Manual Integrations
 APPROVED

apatel
 3/26/2020 10:59:01 AM

Quant Time: Mar 26 07:08:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 04:05:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	154891	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.72	114	282889	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	254307	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	121697	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.17	65	83345	50.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.80%	
35) Dibromofluoromethane	7.75	113	77171	49.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.92%	
50) Toluene-d8	10.20	98	311312	47.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.58%	
62) 4-Bromofluorobenzene	12.50	95	112557	49.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	25323	17.711	ug/l	98
3) Chloromethane	2.13	50	35873	18.610	ug/l	97
4) Vinyl Chloride	2.27	62	37263	19.005	ug/l	97
5) Bromomethane	2.66	94	24742	17.840	ug/l	97
6) Chloroethane	2.82	64	23534	19.107	ug/l	95
7) Trichlorofluoromethane	3.15	101	52725	19.828	ug/l	96
8) Diethyl Ether	3.55	74	22015	21.006	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.93	101	34847	20.375	ug/l	99
10) Methyl Iodide	4.13	142	37928	19.176	ug/l	98
11) Tert butyl alcohol	4.99	59	25896	140.610	ug/l	99
12) 1,1-Dichloroethene	3.91	96	33769	19.609	ug/l	97
13) Acrolein	3.76	56	18175	78.217	ug/l	99
14) Allyl chloride	4.52	41	61652	20.194	ug/l	98
15) Acrylonitrile	5.21	53	61722	110.210	ug/l	100
16) Acetone	3.98	43	51785	107.523	ug/l	94
17) Carbon Disulfide	4.22	76	103319	17.847	ug/l	99
18) Methyl Acetate	4.51	43	27543	22.257	ug/l	98
19) Methyl tert-butyl Ether	5.26	73	102346	21.931	ug/l	100
20) Methylene Chloride	4.75	84	41898	20.298	ug/l	96
21) trans-1,2-Dichloroethene	5.26	96	38656	19.776	ug/l	99
22) Diisopropyl ether	6.16	45	135443	21.643	ug/l	94
23) Vinyl Acetate	6.10	43	443189	108.027	ug/l	99
24) 1,1-Dichloroethane	6.06	63	70198	20.714	ug/l	99
25) 2-Butanone	7.02	43	82070	112.055	ug/l	100
26) 2,2-Dichloropropane	7.02	77	58384	20.990	ug/l	98
27) cis-1,2-Dichloroethene	7.02	96	44416	20.890	ug/l	99
28) Bromochloromethane	7.37	49	34645	22.680	ug/l	98
29) Tetrahydrofuran	7.38	42	53976	110.978	ug/l	99
30) Chloroform	7.54	83	66923	21.019	ug/l	97
31) Cyclohexane	7.82	56	71496	19.676	ug/l	94
32) 1,1,1-Trichloroethane	7.74	97	54863	20.444	ug/l	98
36) 1,1-Dichloropropene	7.95	75	54453	20.003	ug/l	99
37) Ethyl Acetate	7.11	43	36001	22.754	ug/l	99
38) Carbon Tetrachloride	7.92	117	46764	20.109	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY032520\
 Data File : VY002063.D
 Acq On : 25 Mar 2020 13:53
 Operator : SY/MD
 Sample : VY0325SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0325SBS01

Manual Integrations
 APPROVED

apatel
 3/26/2020 10:59:01 AM

Quant Time: Mar 26 07:08:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 04:05:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.21	83	71180	19.714	ug/l	96
40) Benzene	8.19	78	163027	20.205	ug/l	97
41) Methacrylonitrile	7.35	41	16352m	22.965	ug/l	
42) 1,2-Dichloroethane	8.27	62	44494	21.400	ug/l	97
43) Isopropyl Acetate	8.30	43	65054	21.717	ug/l	99
44) Trichloroethene	8.96	130	39191	19.944	ug/l	93
45) 1,2-Dichloropropane	9.24	63	42697	21.050	ug/l	96
46) Dibromomethane	9.33	93	22095	21.138	ug/l	98
47) Bromodichloromethane	9.52	83	51177	21.048	ug/l	99
48) Methyl methacrylate	9.31	41	30201	22.721	ug/l	97
49) 1,4-Dioxane	9.32	88	5760	402.162	ug/l	96
51) 4-Methyl-2-Pentanone	10.09	43	173682	112.569	ug/l	99
52) Toluene	10.26	92	99752	20.351	ug/l	100
53) t-1,3-Dichloropropene	10.49	75	55853	21.084	ug/l	95
54) cis-1,3-Dichloropropene	9.95	75	64893	20.578	ug/l	97
55) 1,1,2-Trichloroethane	10.66	97	32513	21.254	ug/l	96
56) Ethyl methacrylate	10.53	69	48314	21.548	ug/l	95
57) 1,3-Dichloropropane	10.81	76	57455	21.071	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.80	63	130764	154.557	ug/l	99
59) 2-Hexanone	10.85	43	121778	110.582	ug/l	100
60) Dibromochloromethane	11.00	129	33628	20.862	ug/l	99
61) 1,2-Dibromoethane	11.11	107	30956	21.363	ug/l	99
64) Tetrachloroethene	10.74	164	33591	21.063	ug/l	98
65) Chlorobenzene	11.53	112	102705	20.269	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.61	131	34382	20.691	ug/l	97
67) Ethyl Benzene	11.61	91	191329	20.246	ug/l	98
68) m/p-Xylenes	11.72	106	142312	40.732	ug/l	100
69) o-Xylene	12.04	106	68820	20.899	ug/l	96
70) Styrene	12.06	104	118066	20.933	ug/l	99
71) Bromoform	12.22	173	19369	21.493	ug/l #	99
73) Isopropylbenzene	12.34	105	180247	19.402	ug/l	99
74) N-amyl acetate	12.16	43	60625	21.233	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.59	83	40878	20.405	ug/l	100
76) 1,2,3-Trichloropropane	12.65	75	26203m	18.146	ug/l	
77) Bromobenzene	12.63	156	39543	20.090	ug/l	99
78) n-propylbenzene	12.69	91	225530	19.678	ug/l	99
79) 2-Chlorotoluene	12.77	91	123511	19.506	ug/l	99
80) 1,3,5-Trimethylbenzene	12.83	105	151299	19.783	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	14378	20.113	ug/l	95
82) 4-Chlorotoluene	12.87	91	131574	19.957	ug/l	100
83) tert-Butylbenzene	13.09	119	128283	20.195	ug/l	97
84) 1,2,4-Trimethylbenzene	13.13	105	150693	19.854	ug/l	100
85) sec-Butylbenzene	13.27	105	188489	20.131	ug/l	99
86) p-Isopropyltoluene	13.38	119	164736	20.396	ug/l	100
87) 1,3-Dichlorobenzene	13.38	146	77073	19.983	ug/l	100
88) 1,4-Dichlorobenzene	13.46	146	79066	20.207	ug/l	99
89) n-Butylbenzene	13.71	91	168207	20.073	ug/l	100
90) Hexachloroethane	13.97	117	29887	19.615	ug/l	98
91) 1,2-Dichlorobenzene	13.75	146	70800	20.205	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.37	75	6523	20.866	ug/l	96

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY032520\
Data File : VY002063.D
Acq On : 25 Mar 2020 13:53
Operator : SY/MD
Sample : VY0325SBSD01
Misc : 5.00G/5ML/MSVOA Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0325SBSD01

Manual Integrations
APPROVED

apatel
3/26/2020 10:59:01 AM

Quant Time: Mar 26 07:08:27 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
Quant Title : SW846 8260
QLast Update : Thu Mar 05 04:05:33 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	46644	20.526	ug/l	98
94) Hexachlorobutadiene	15.12	225	22713	20.501	ug/l	99
95) Naphthalene	15.25	128	109294	20.277	ug/l	99
96) 1,2,3-Trichlorobenzene	15.44	180	41290	20.626	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 998

Delta R.T. 0.01 min

Lab File: VY002063.D

Acq: 25 Mar 2020 13:53

Instrument :

MSVOA_Y

ClientSampleId :

VY0325SBS01

Tot Ion:168 Resp: 154891

Ion Ratio Lower Upper

168 100

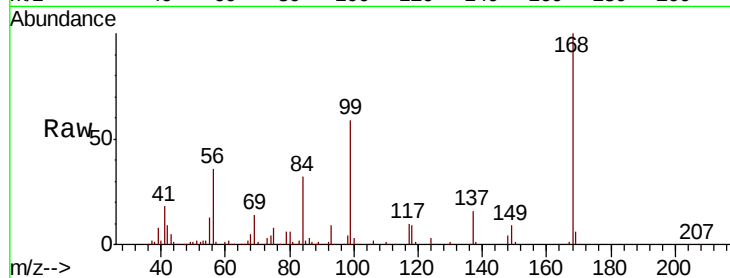
99 59.5 46.7 70.1

Manual Integrations

APPROVED

apatel

3/26/2020 10:59:01 AM



Abundance Ion 167.90 (167.60 to 168.60): VY001845.D (-986) (-)

Ion 98.90 (98.60 to 99.60): VY001845.D (-986) (-)

7.82

60000

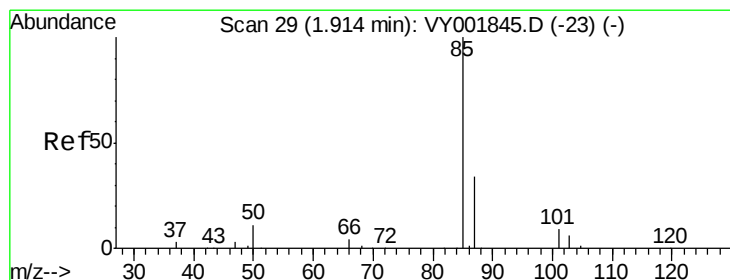
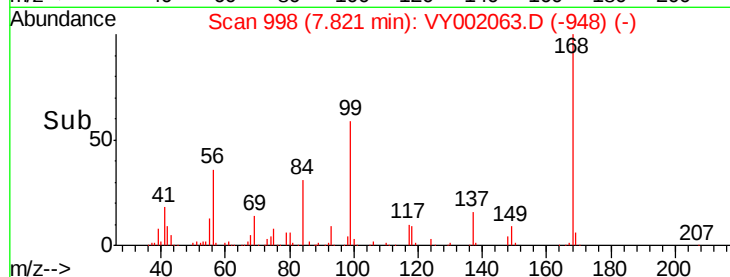
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 17.711 ug/l

RT: 1.91 min Scan# 29

Delta R.T. 0.00 min

Lab File: VY002063.D

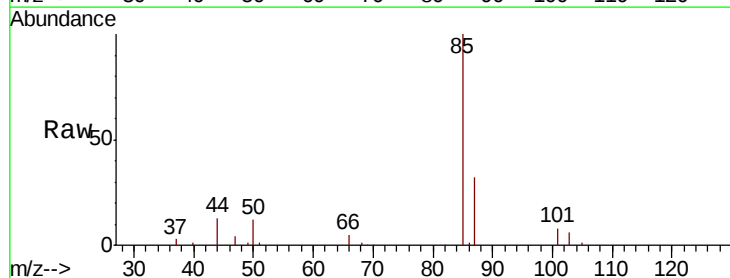
Acq: 25 Mar 2020 13:53

Tgt Ion: 85 Resp: 25323

Ion Ratio Lower Upper

85 100

87 32.3 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VY001845.D (-23) (-)

Ion 86.90 (86.60 to 87.60): VY001845.D (-23) (-)

1.91

20000

15000

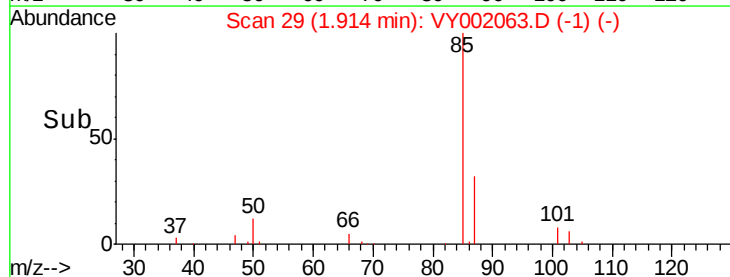
10000

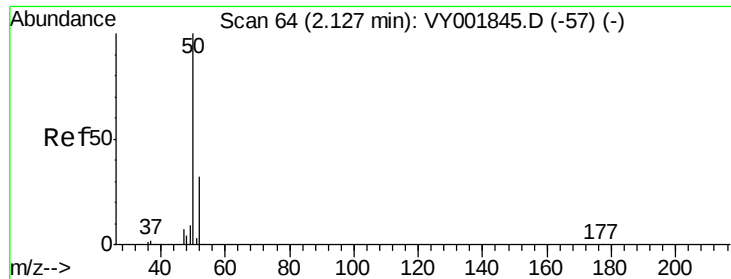
5000

0

1.85 1.90 1.95 2.00

Time-->





#3

Chloromethane

Concen: 18.610 ug/l

RT: 2.13 min Scan# 64

Delta R.T. 0.00 min

Lab File: VY002063.D

Acq: 25 Mar 2020 13:53

Tot Ion: 50 Resp: 35873

Ion Ratio Lower Upper

50 100

52 30.4 25.8 38.6

Instrument :

MSVOA_Y

ClientSampleId :

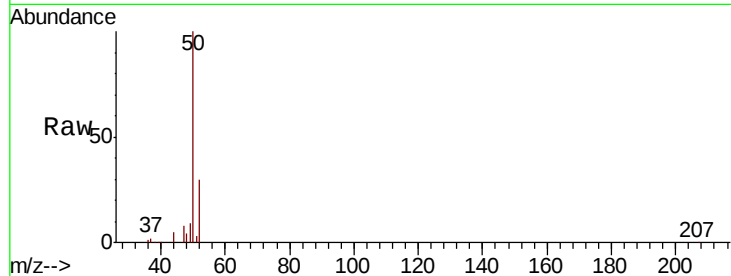
VY0325SBS01

Manual Integrations

APPROVED

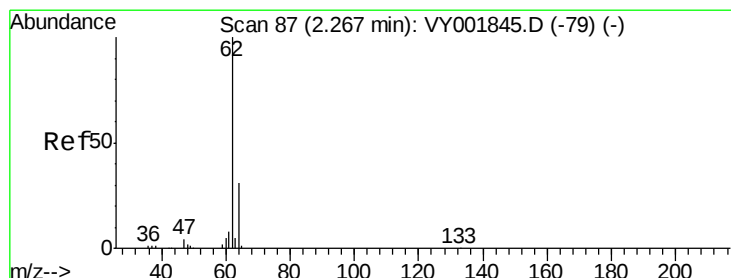
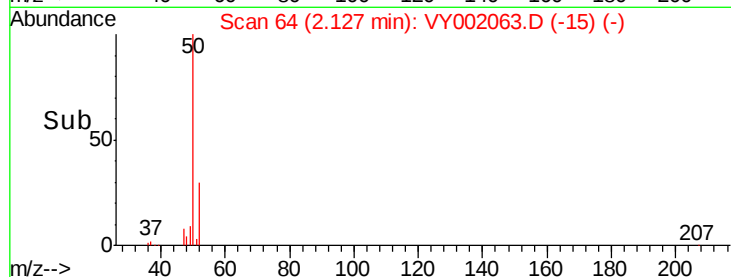
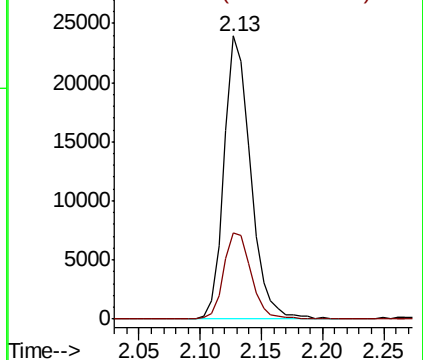
apatel

3/26/2020 10:59:01 AM



Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 19.005 ug/l

RT: 2.27 min Scan# 87

Delta R.T. 0.00 min

Lab File: VY002063.D

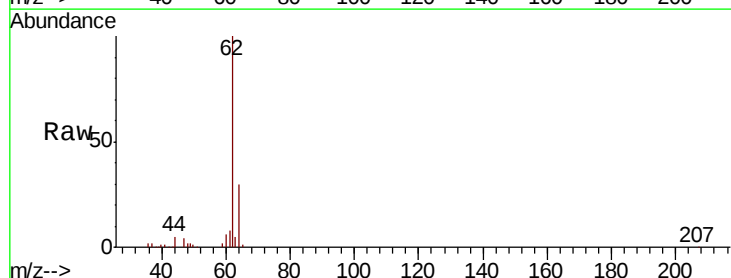
Acq: 25 Mar 2020 13:53

Tgt Ion: 62 Resp: 37263

Ion Ratio Lower Upper

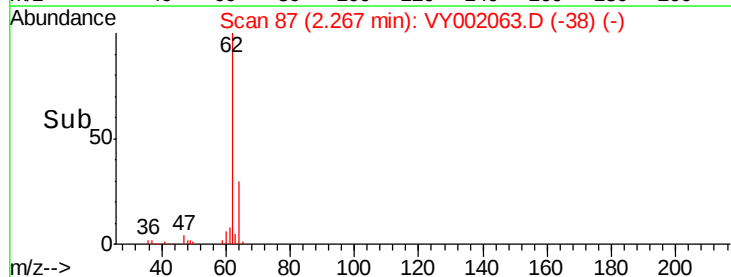
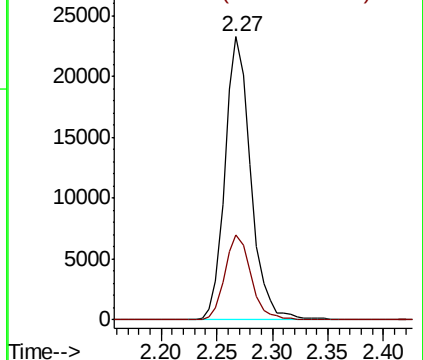
62 100

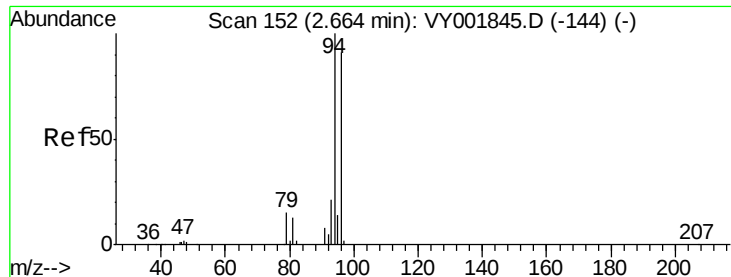
64 30.0 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 17.840 ug/l

RT: 2.66 min Scan# 152

Delta R.T. 0.00 min

Lab File: VY002063.D

Acq: 25 Mar 2020 13:53

Instrument :

MSVOA_Y

ClientSampleId :

VY0325SBS01

Tot Ion: 94 Resp: 24742

Ion Ratio Lower Upper

94 100

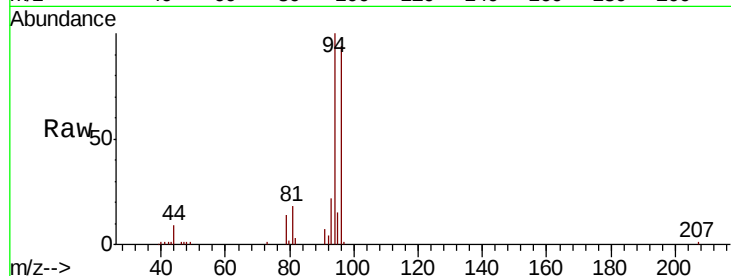
96 94.1 73.2 109.8

Manual Integrations

APPROVED

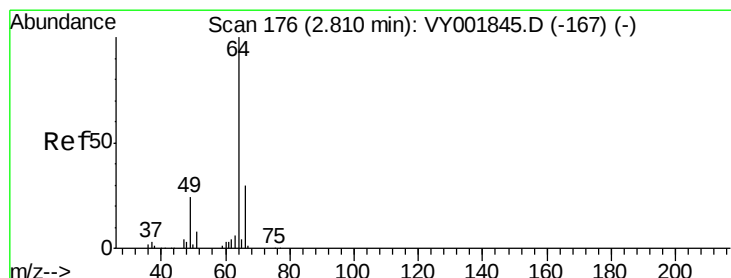
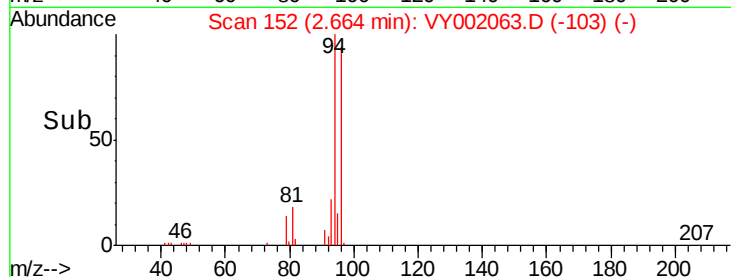
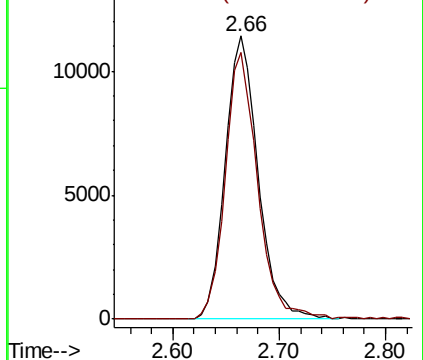
apatel

3/26/2020 10:59:01 AM



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 19.107 ug/l

RT: 2.82 min Scan# 177

Delta R.T. 0.01 min

Lab File: VY002063.D

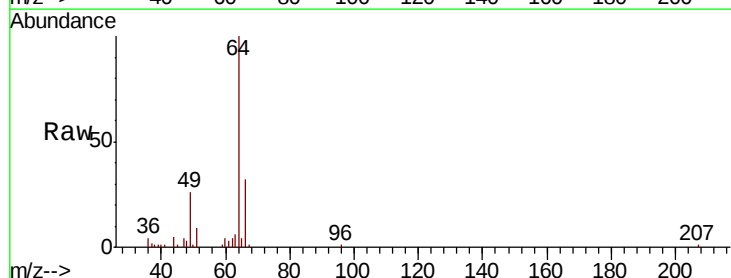
Acq: 25 Mar 2020 13:53

Tgt Ion: 64 Resp: 23534

Ion Ratio Lower Upper

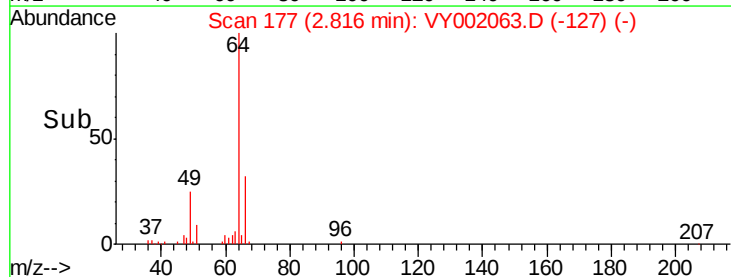
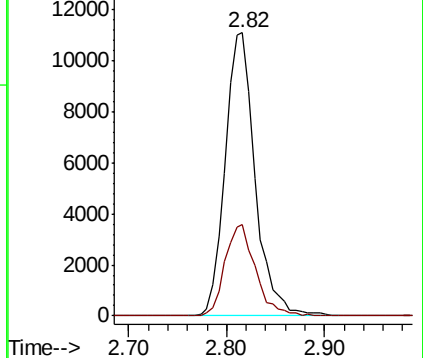
64 100

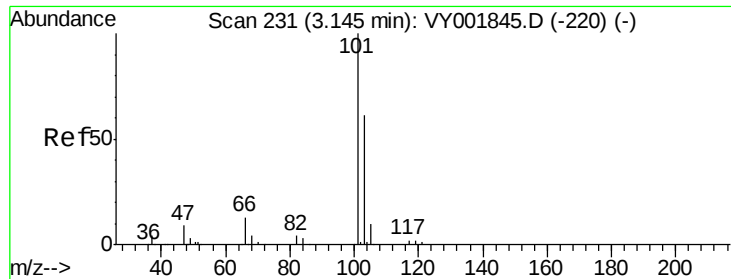
66 32.4 23.8 35.8



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

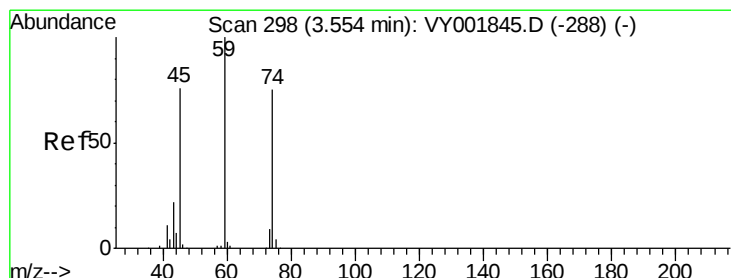
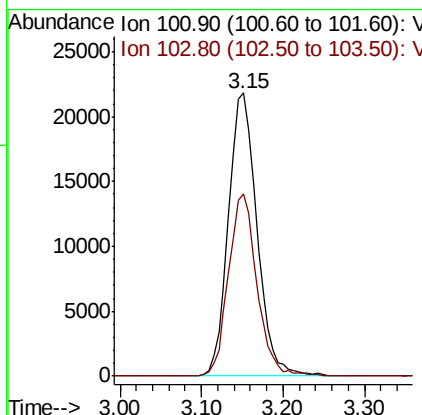
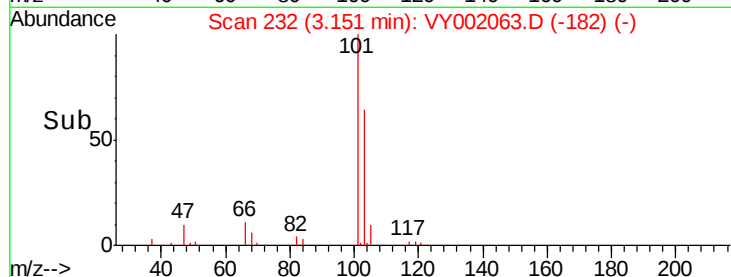
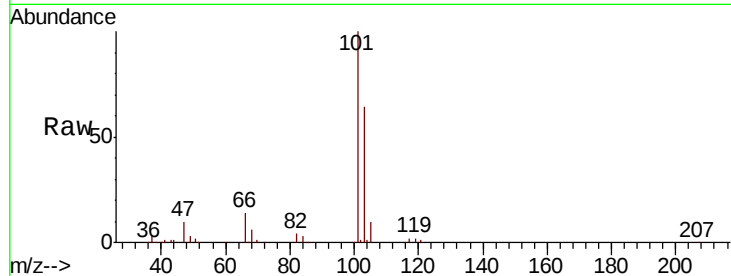
Trichlorofluoromethane
Concen: 19.828 ug/l
RT: 3.15 min Scan# 232
Delta R.T. 0.01 min
Lab File: VY002063.D
Acq: 25 Mar 2020 13:53

Instrument :
MSVOA_Y
ClientSampleId :
VY0325SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.2	49.1	73.7

Manual Integrations
APPROVED

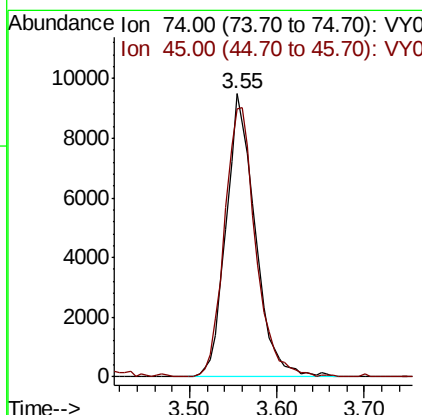
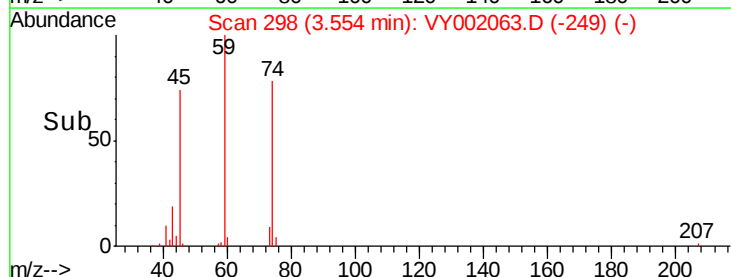
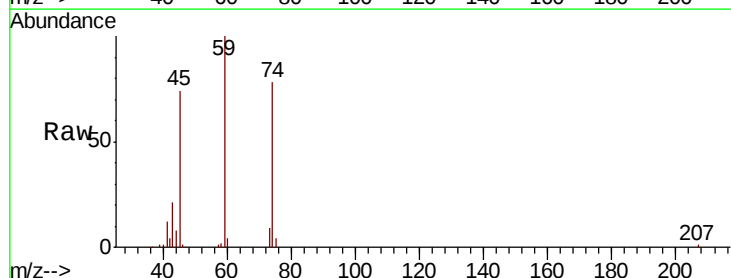
apatel
3/26/2020 10:59:01 AM

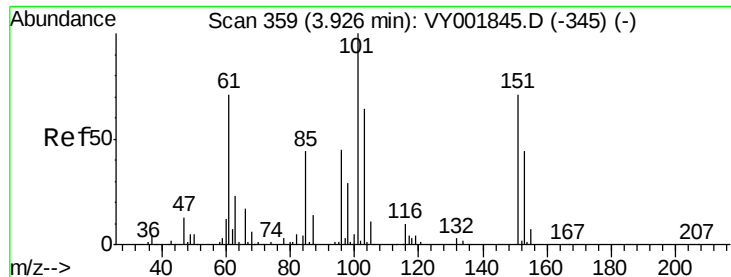


#8

Diethyl Ether
Concen: 21.006 ug/l
RT: 3.55 min Scan# 298
Delta R.T. 0.00 min
Lab File: VY002063.D
Acq: 25 Mar 2020 13:53

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.7	50.5	151.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.375 ug/l

RT: 3.93 min Scan# 360

Delta R.T. 0.01 min

Lab File: VY002063.D

Acq: 25 Mar 2020 13:53

Instrument :

MSVOA_Y

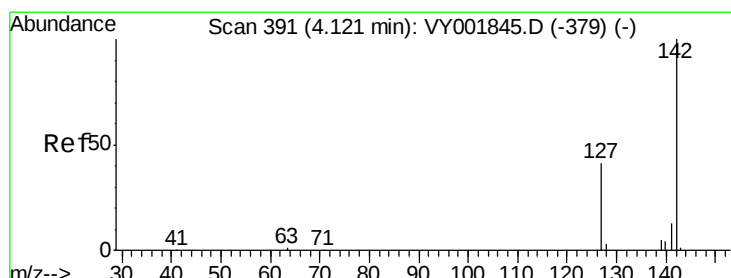
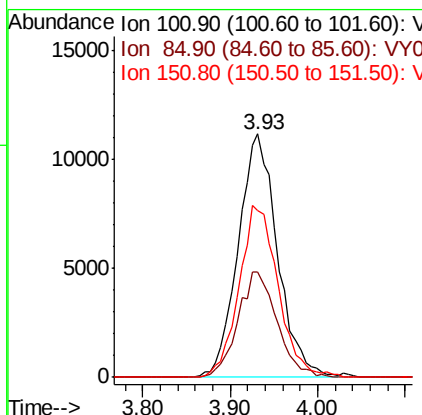
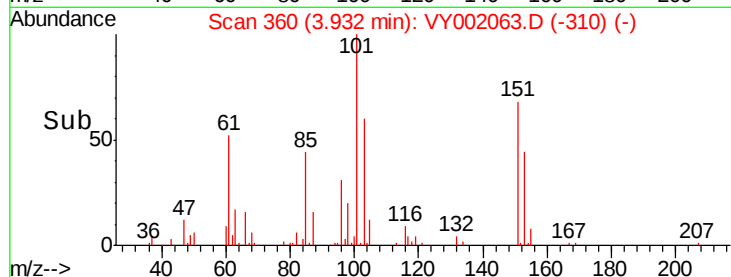
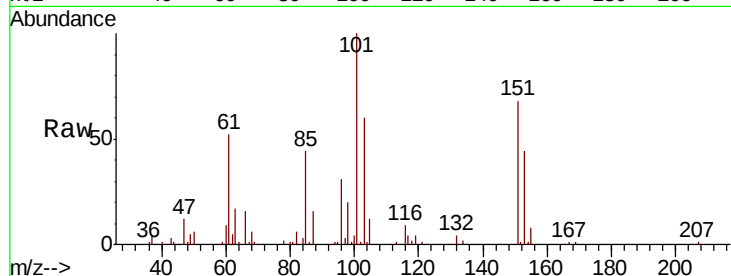
ClientSampleId :

VY0325SBS01

Tot Ion:	101	Resp:	34847
Ion Ratio	Lower	Upper	
101	100		
85	43.2	35.3	52.9
151	70.4	57.0	85.4

Manual Integrations
APPROVED

apatel
3/26/2020 10:59:01 AM



#10

Methyl Iodide

Concen: 19.176 ug/l

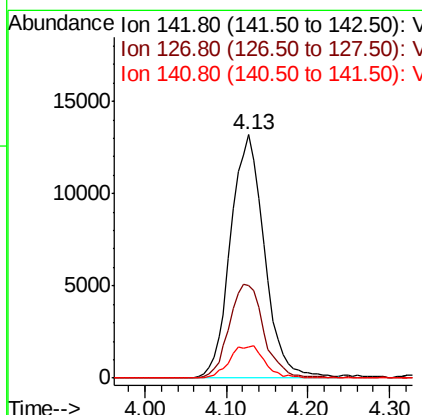
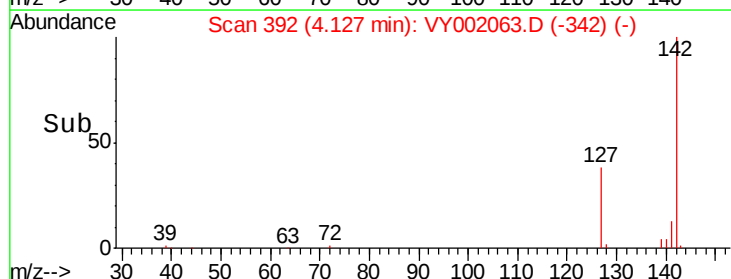
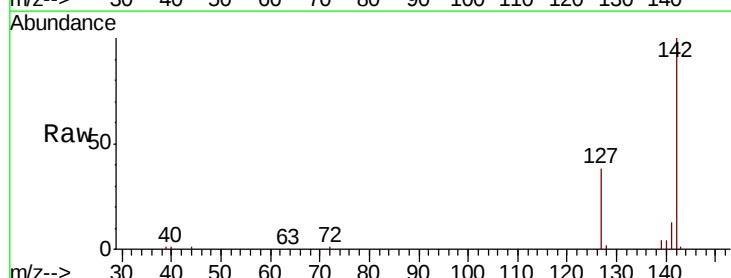
RT: 4.13 min Scan# 392

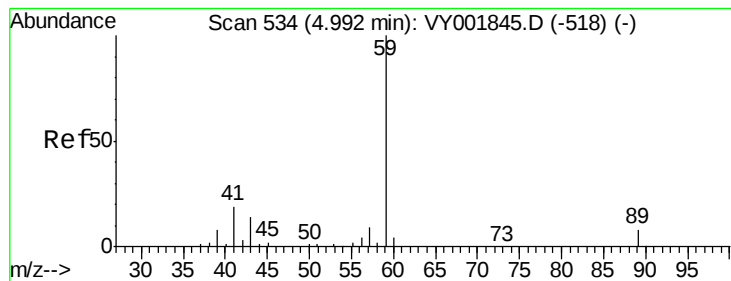
Delta R.T. 0.01 min

Lab File: VY002063.D

Acq: 25 Mar 2020 13:53

Tgt Ion:	142	Resp:	37928
Ion Ratio	Lower	Upper	
142	100		
127	39.1	32.7	49.1
141	13.7	11.0	16.6





#11

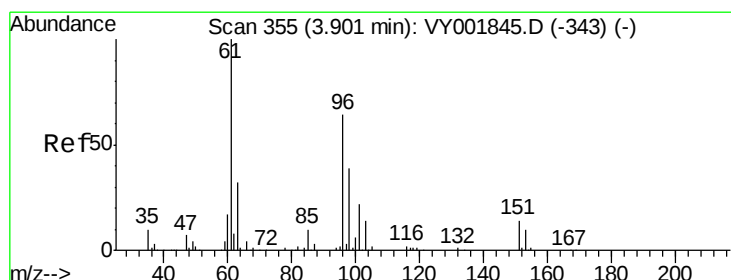
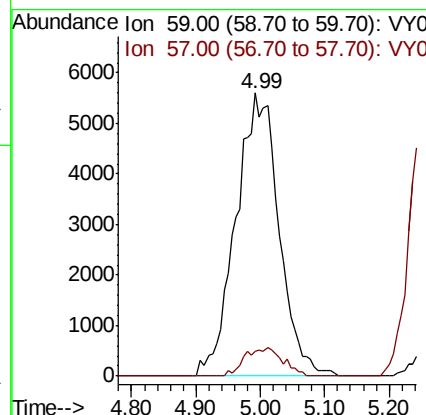
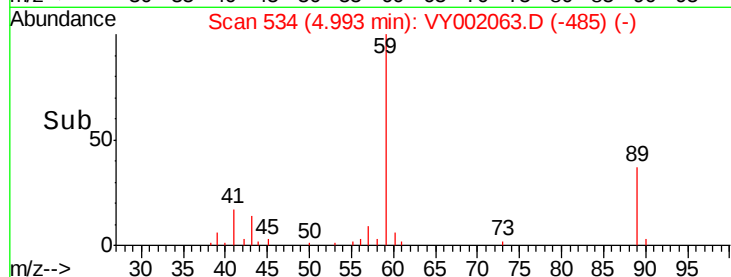
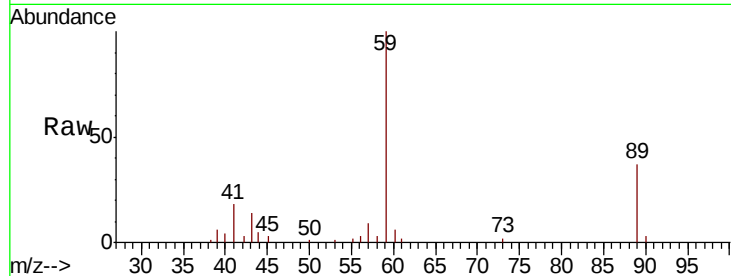
Tert butyl alcohol
 Concen: 140.610 ug/l
 RT: 4.99 min Scan# 534
 Delta R.T. 0.00 min
 Lab File: VY002063.D
 Acq: 25 Mar 2020 13:53

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0325SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.8	7.4	11.2

Manual Integrations
 APPROVED

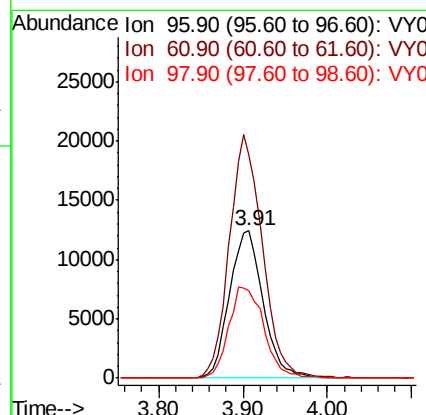
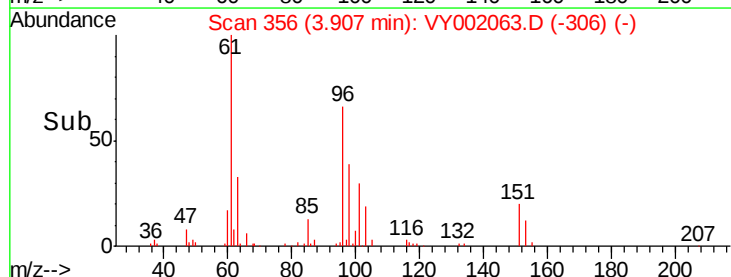
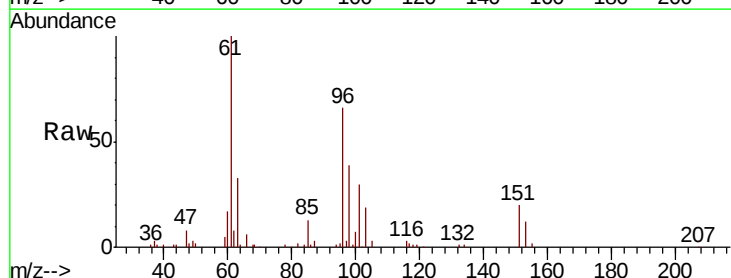
apatel
 3/26/2020 10:59:01 AM

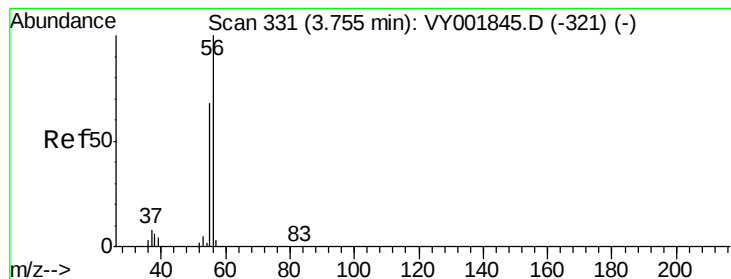


#12

1,1-Dichloroethene
 Concen: 19.609 ug/l
 RT: 3.91 min Scan# 355
 Delta R.T. 0.01 min
 Lab File: VY002063.D
 Acq: 25 Mar 2020 13:53

Tgt Ion	Ratio	Lower	Upper
96	100		
61	151.7	124.8	187.2
98	59.4	49.2	73.8





#13

Acrolein

Concen: 78.217 ug/l

RT: 3.76 min Scan# 332

Delta R.T. 0.01 min

Lab File: VY002063.D

Acq: 25 Mar 2020 13:53

Instrument :

MSVOA_Y

ClientSampleId :

VY0325SBS01

Tot Ion: 56 Resp: 18175

Ion Ratio Lower Upper

56 100

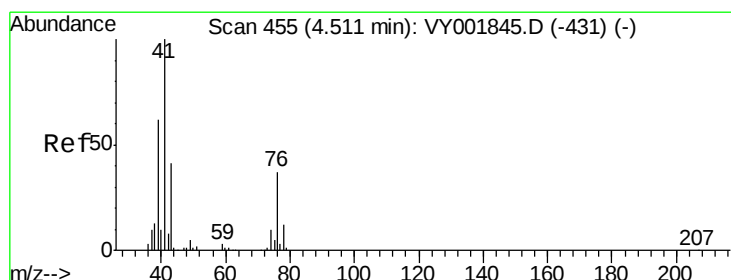
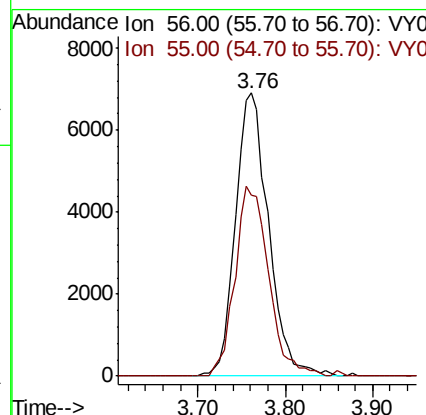
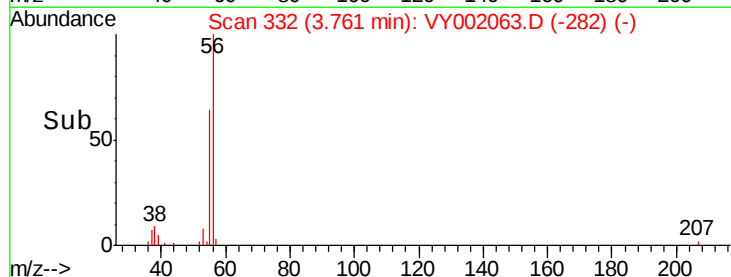
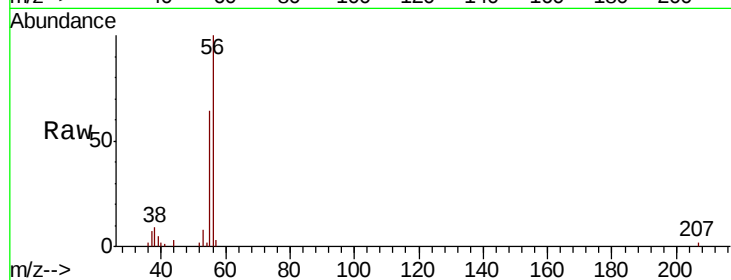
55 68.2 54.0 81.0

Manual Integrations

APPROVED

apatel

3/26/2020 10:59:01 AM



#14

Allyl chloride

Concen: 20.194 ug/l

RT: 4.52 min Scan# 456

Delta R.T. 0.01 min

Lab File: VY002063.D

Acq: 25 Mar 2020 13:53

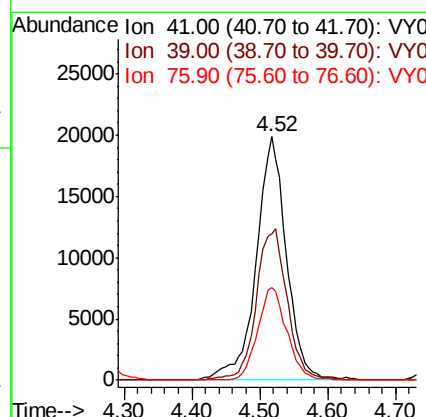
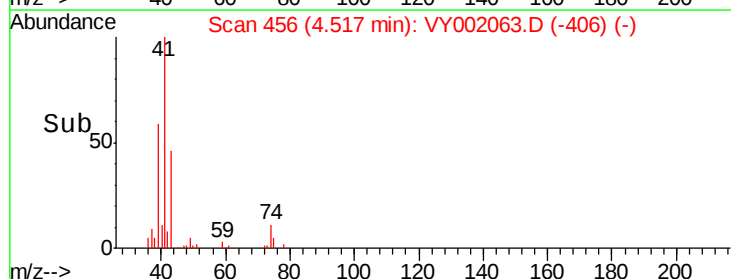
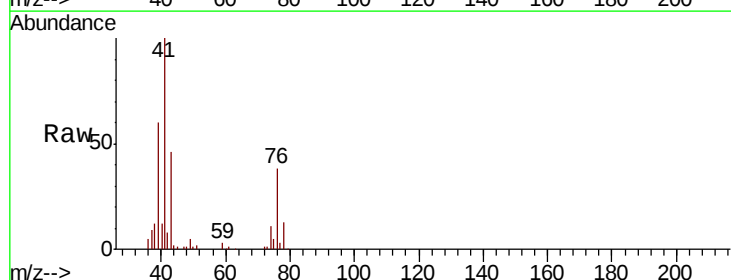
Tgt Ion: 41 Resp: 61652

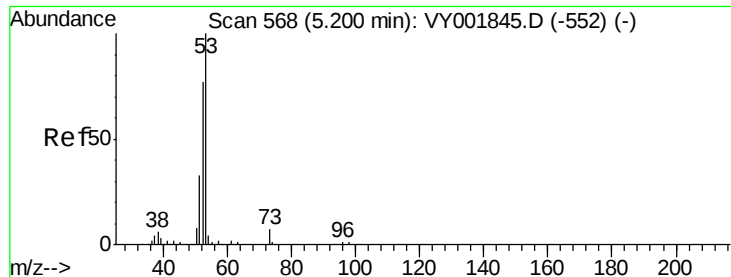
Ion Ratio Lower Upper

41 100

39 63.5 49.0 73.6

76 36.7 28.9 43.3





#15

Acrylonitrile

Concen: 110.210 ug/l

RT: 5.21 min Scan# 570

Delta R.T. 0.01 min

Lab File: VY002063.D

Acq: 25 Mar 2020 13:53

Instrument :

MSVOA_Y

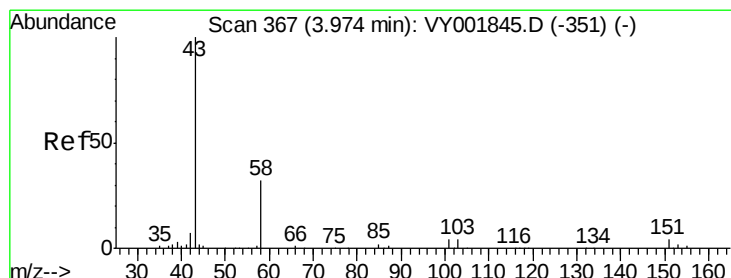
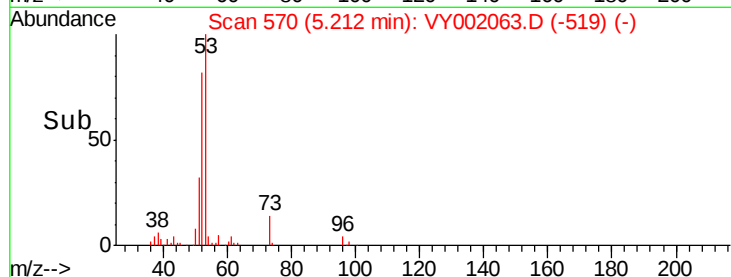
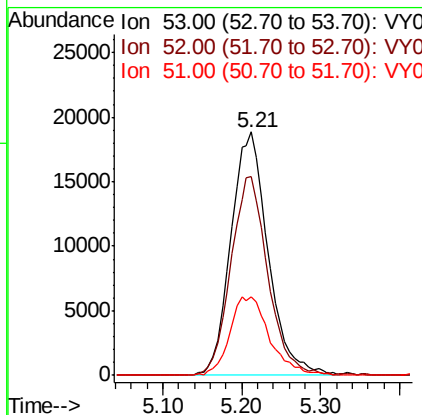
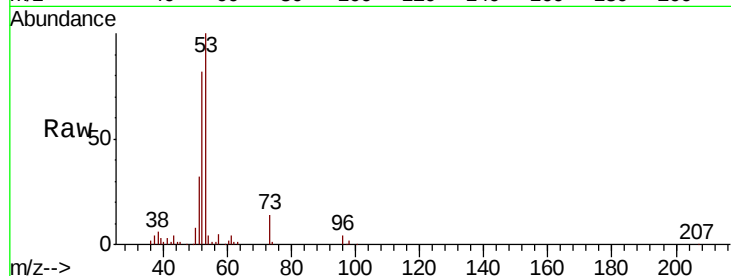
ClientSampleId :

VY0325SBS01

Tot Ion:	53	Resp:	61722
Ion	Ratio	Lower	Upper
53	100		
52	81.5	65.1	97.7
51	34.6	27.5	41.3

Manual Integrations
APPROVED

apatel
3/26/2020 10:59:01 AM



#16

Acetone

Concen: 107.523 ug/l

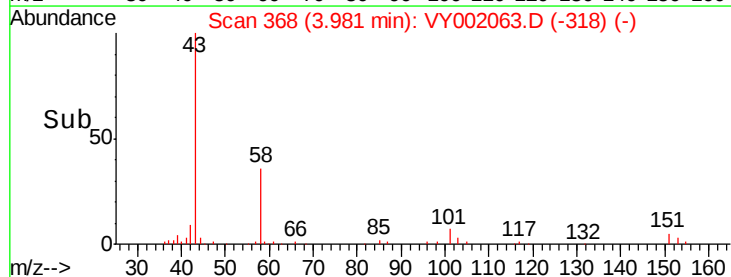
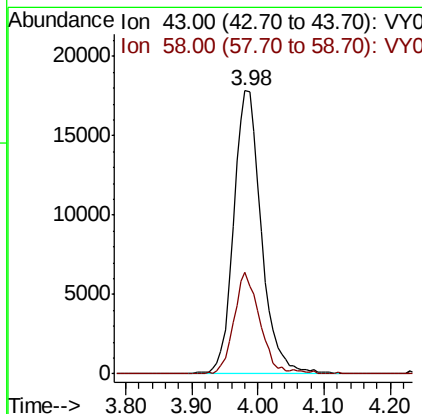
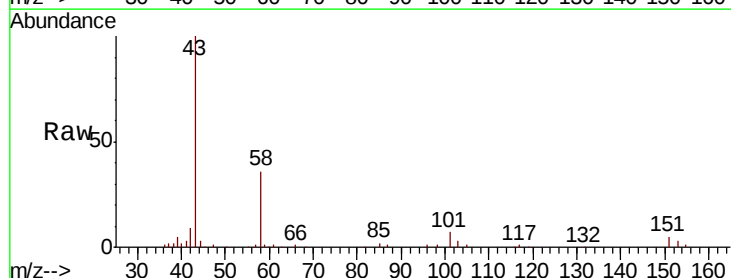
RT: 3.98 min Scan# 368

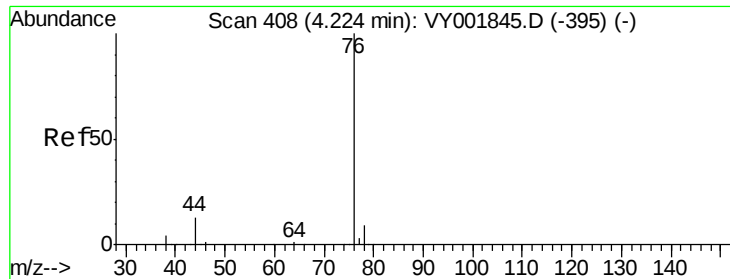
Delta R.T. 0.01 min

Lab File: VY002063.D

Acq: 25 Mar 2020 13:53

Tgt Ion:	43	Resp:	51785
Ion	Ratio	Lower	Upper
43	100		
58	35.8	25.9	38.9





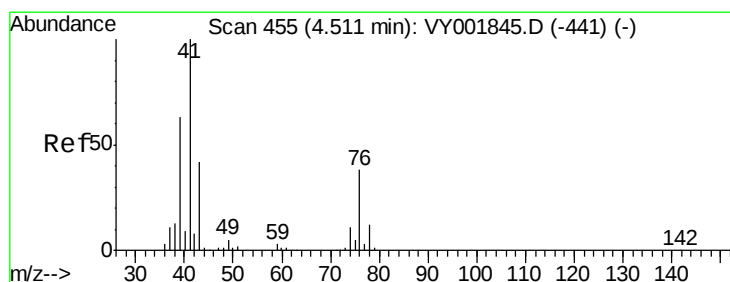
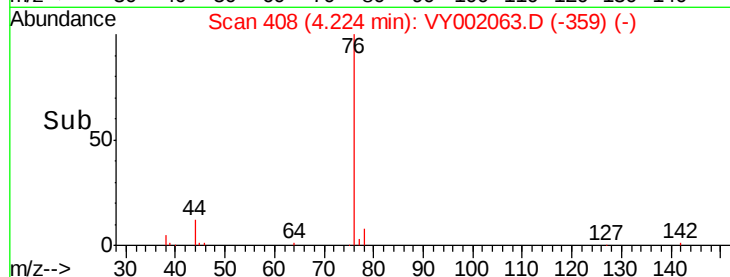
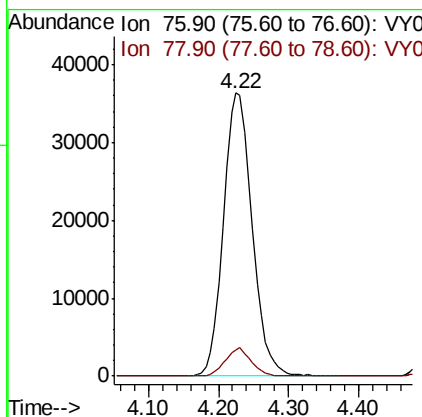
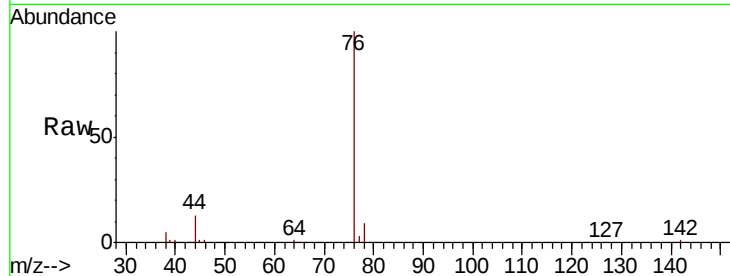
#17
Carbon Disulfide
Concen: 17.847 ug/l
RT: 4.22 min Scan# 408
Delta R.T. 0.00 min
Lab File: VY002063.D
Acq: 25 Mar 2020 13:53

Instrument :
MSVOA_Y
ClientSampleId :
VY0325SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.4	11.2

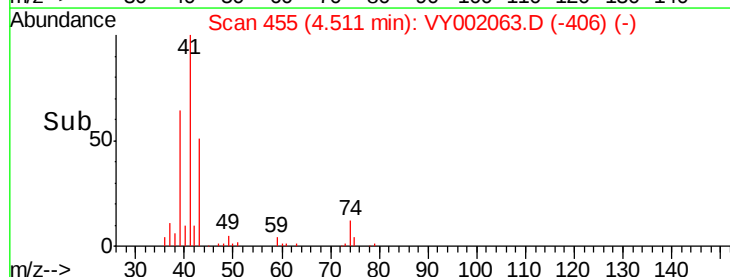
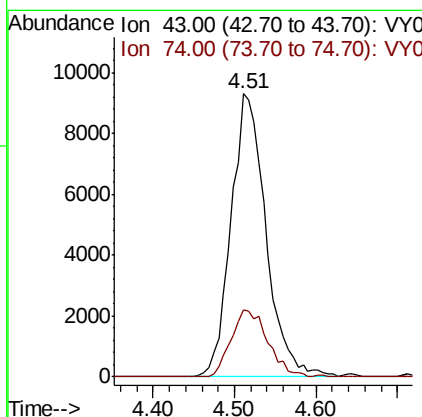
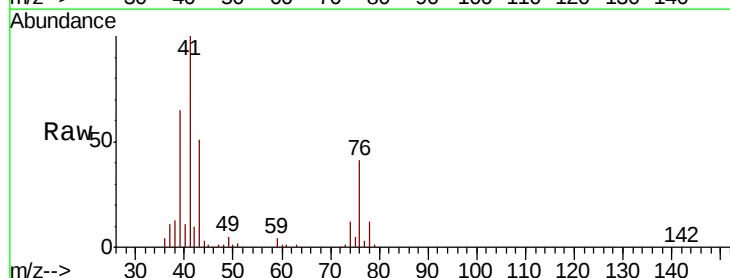
Manual Integrations
APPROVED

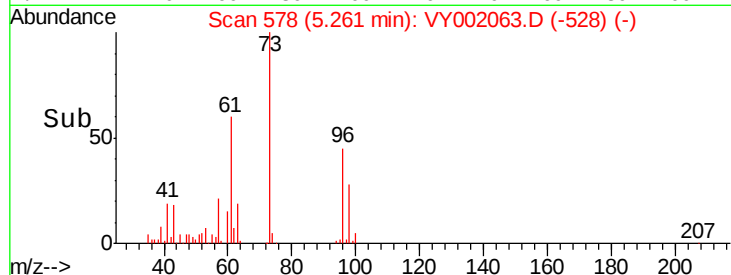
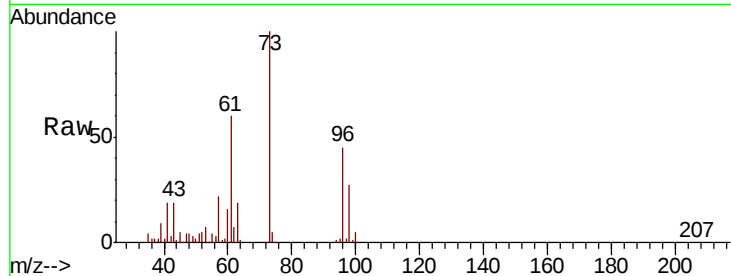
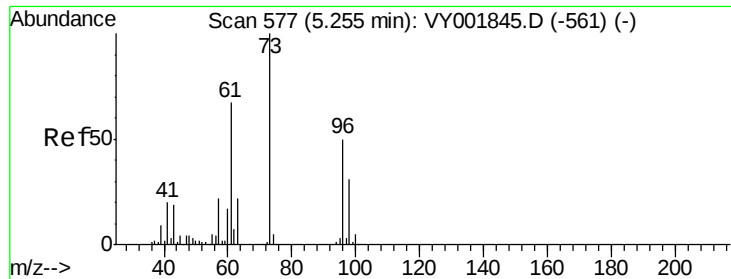
apatel
3/26/2020 10:59:01 AM



#18
Methyl Acetate
Concen: 22.257 ug/l
RT: 4.51 min Scan# 455
Delta R.T. 0.00 min
Lab File: VY002063.D
Acq: 25 Mar 2020 13:53

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.7	19.0	28.6





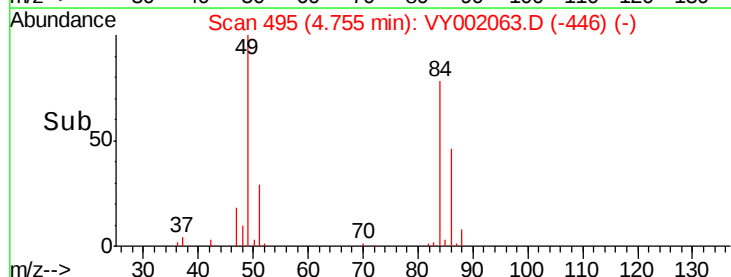
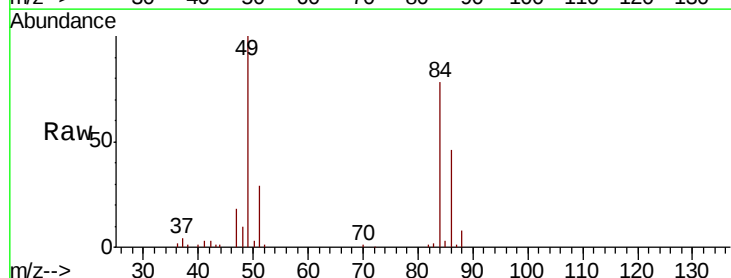
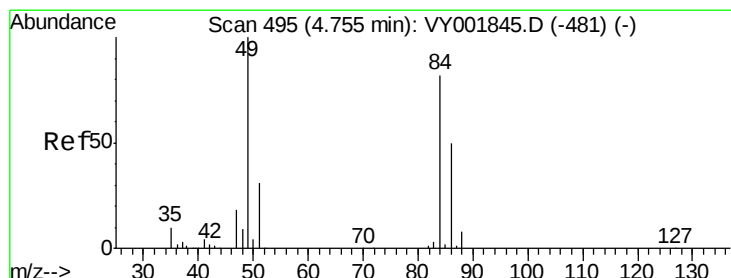
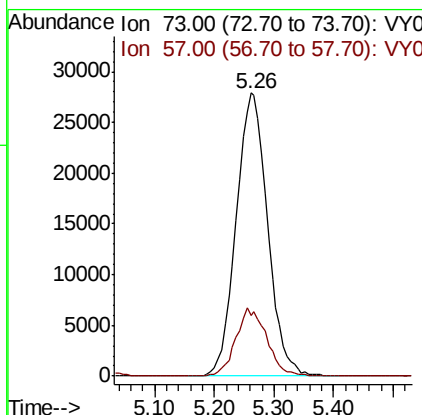
#19
Methyl tert-butyl Ether
Concen: 21.931 ug/l
RT: 5.26 min Scan# 578
Delta R.T. 0.01 min
Lab File: VY002063.D
Acq: 25 Mar 2020 13:53

Tot Ion: 73 Resp: 102346
Ion Ratio Lower Upper
73 100
57 21.7 17.4 26.2

Instrument :
MSVOA_Y
ClientSampleId :
VY0325SBS01

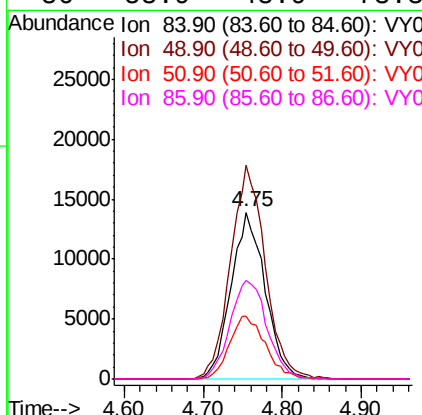
Manual Integrations
APPROVED

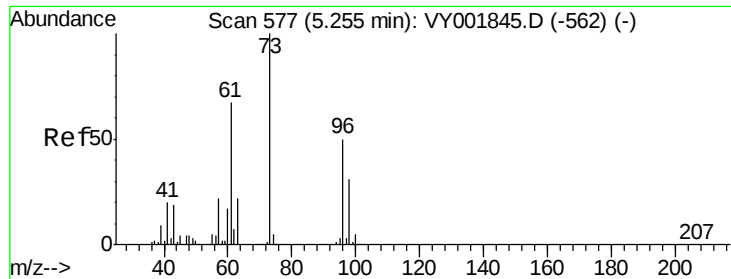
apatel
3/26/2020 10:59:01 AM



#20
Methylene Chloride
Concen: 20.298 ug/l
RT: 4.75 min Scan# 495
Delta R.T. 0.00 min
Lab File: VY002063.D
Acq: 25 Mar 2020 13:53

Tgt Ion: 84 Resp: 41898
Ion Ratio Lower Upper
84 100
49 128.2 98.2 147.2
51 37.6 30.2 45.2
86 58.9 48.9 73.3





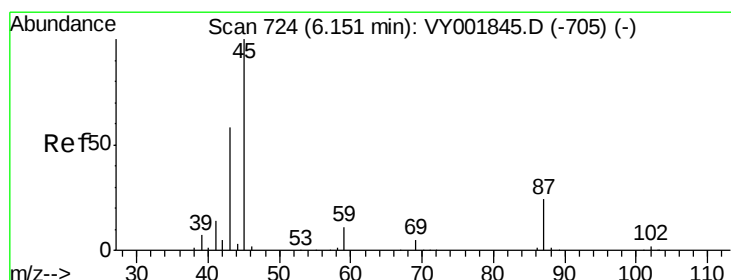
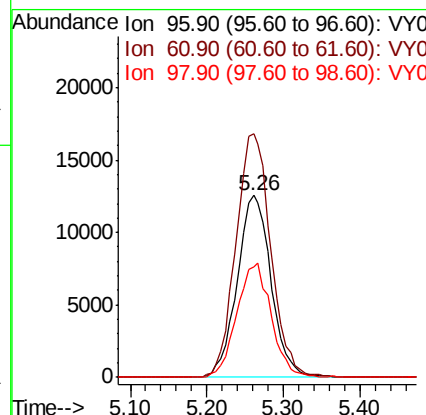
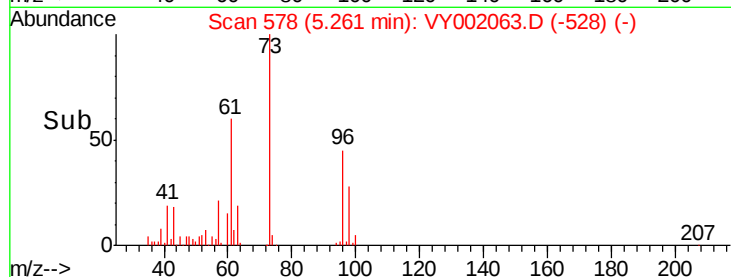
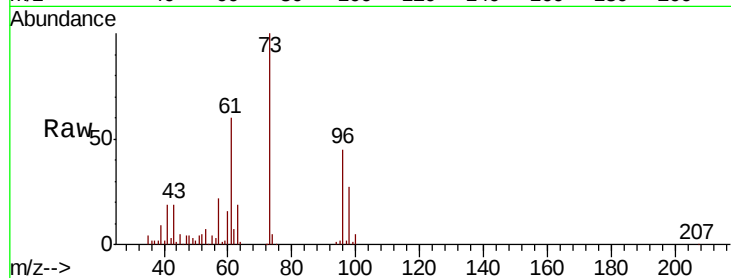
#21
trans-1,2-Dichloroethene
Concen: 19.776 ug/l
RT: 5.26 min Scan# 578
Delta R.T. 0.01 min
Lab File: VY002063.D
Acq: 25 Mar 2020 13:53

Instrument :
MSVOA_Y
ClientSampleId :
VY0325SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	133.7	107.7	161.5
98	61.0	49.3	73.9

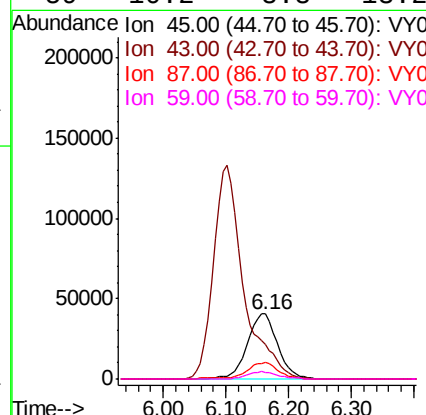
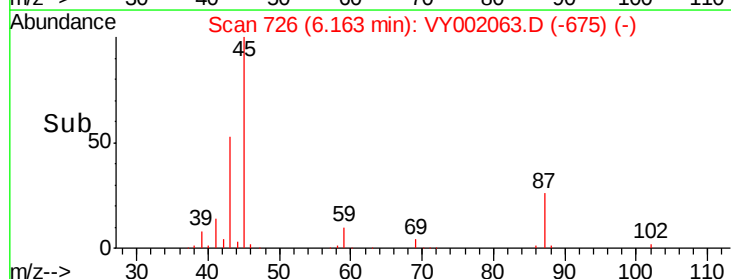
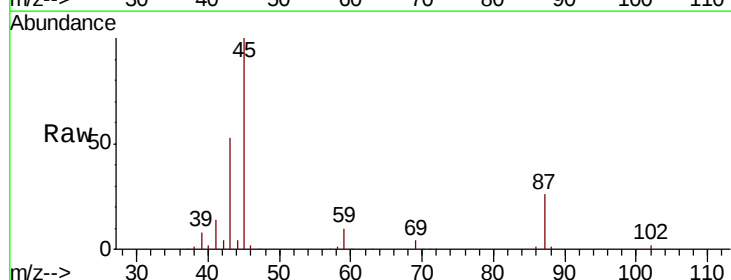
Manual Integrations
APPROVED

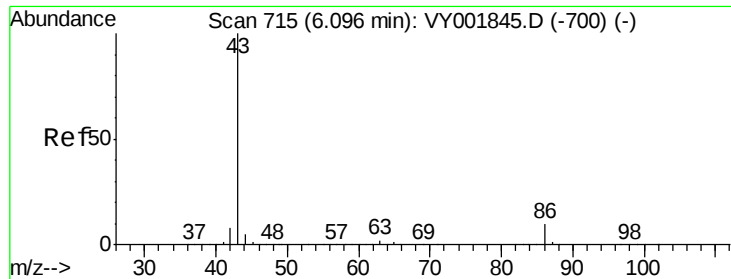
apatel
3/26/2020 10:59:01 AM



#22
Diisopropyl ether
Concen: 21.643 ug/l
RT: 6.16 min Scan# 726
Delta R.T. 0.01 min
Lab File: VY002063.D
Acq: 25 Mar 2020 13:53

Tgt Ion	Ratio	Lower	Upper
45	100		
43	52.5	47.2	70.8
87	25.6	19.8	29.8
59	10.2	8.8	13.2





#23

Vinyl Acetate

Concen: 108.027 ug/l

RT: 6.10 min Scan# 716

Delta R.T. 0.01 min

Lab File: VY002063.D

Acq: 25 Mar 2020 13:53

Instrument :

MSVOA_Y

ClientSampleId :

VY0325SBS01

Tot Ion: 43 Resp: 443189

Ion Ratio Lower Upper

43 100

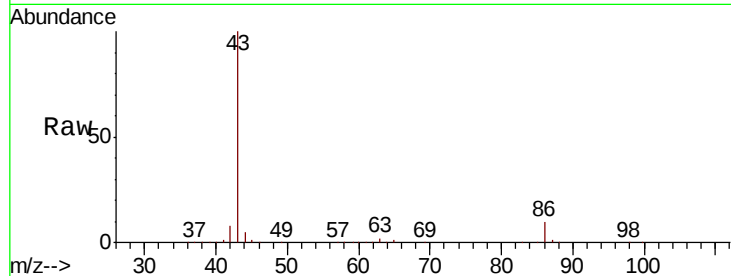
86 10.2 7.8 11.8

Manual Integrations

APPROVED

apatel

3/26/2020 10:59:01 AM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

6.10

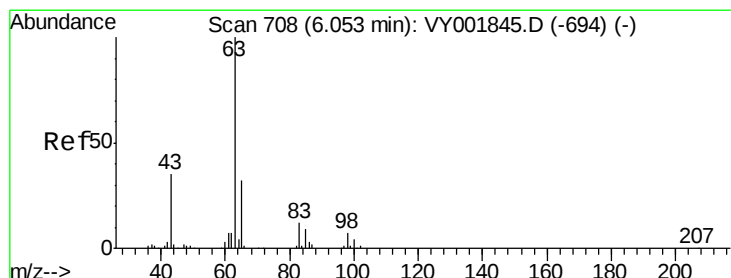
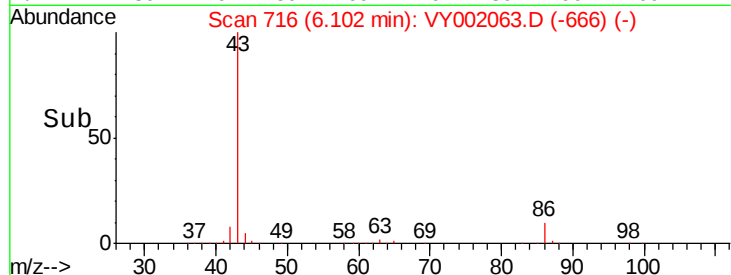
150000

100000

50000

0

Time--> 5.90 6.00 6.10 6.20 6.30



#24

1,1-Dichloroethane

Concen: 20.714 ug/l

RT: 6.06 min Scan# 709

Delta R.T. 0.01 min

Lab File: VY002063.D

Acq: 25 Mar 2020 13:53

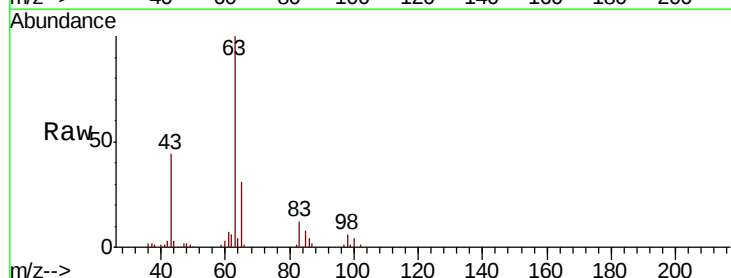
Tgt Ion: 63 Resp: 70198

Ion Ratio Lower Upper

63 100

98 6.5 3.4 10.2

100 4.1 2.0 6.0



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

6.06

30000

25000

20000

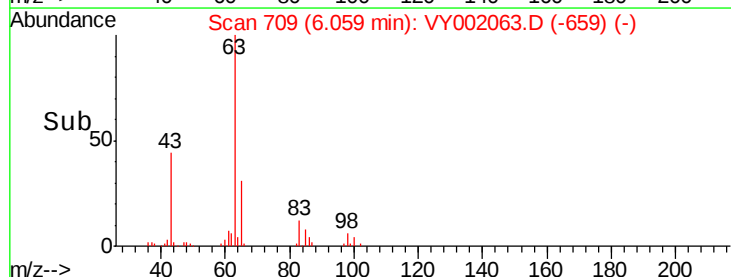
15000

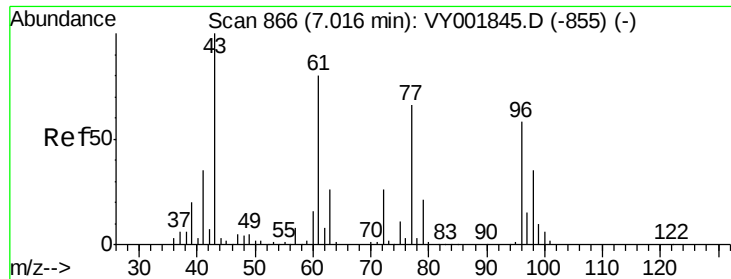
10000

5000

0

Time--> 5.90 6.00 6.10 6.20





#25

2-Butanone

Concen: 112.055 ug/l

RT: 7.02 min Scan# 867

Delta R.T. 0.01 min

Lab File: VY002063.D

Acq: 25 Mar 2020 13:53

Instrument :

MSVOA_Y

ClientSampleId :

VY0325SBS01

Tot Ion: 43 Resp: 82070

Ion Ratio Lower Upper

43 100

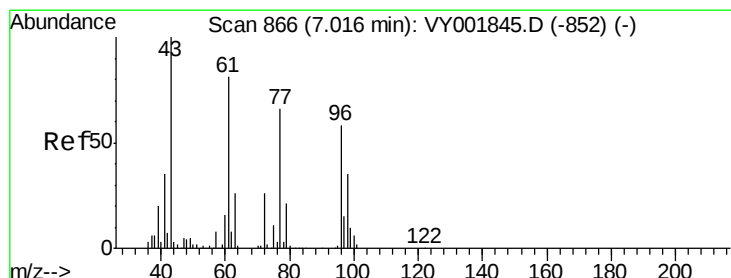
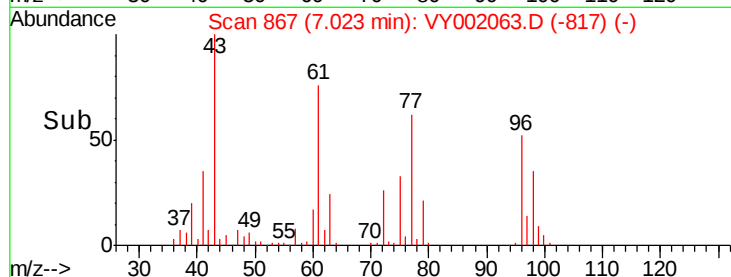
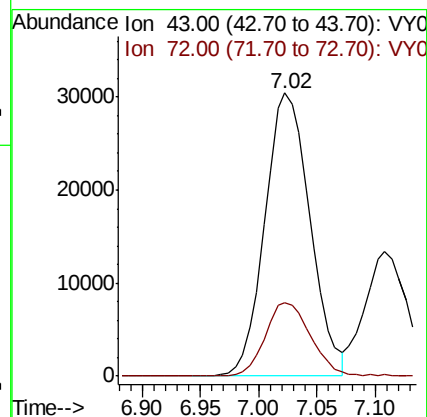
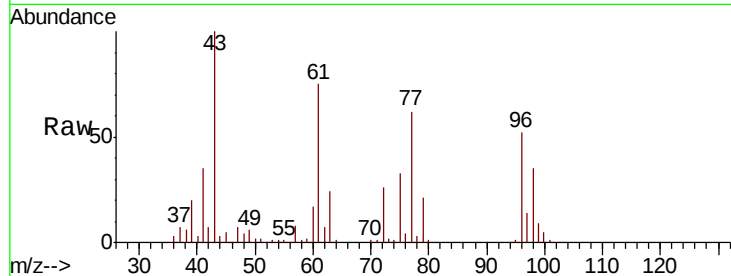
72 25.9 20.9 31.3

Manual Integrations

APPROVED

apatel

3/26/2020 10:59:01 AM



#26

2,2-Dichloropropane

Concen: 20.990 ug/l

RT: 7.02 min Scan# 866

Delta R.T. 0.00 min

Lab File: VY002063.D

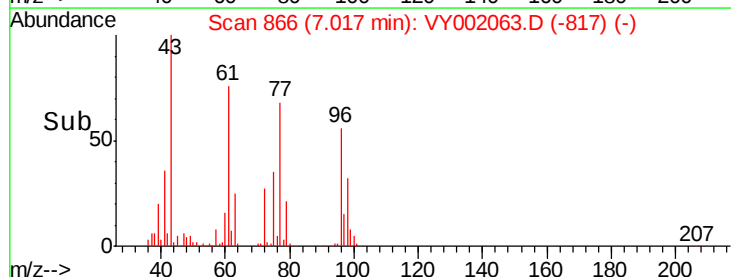
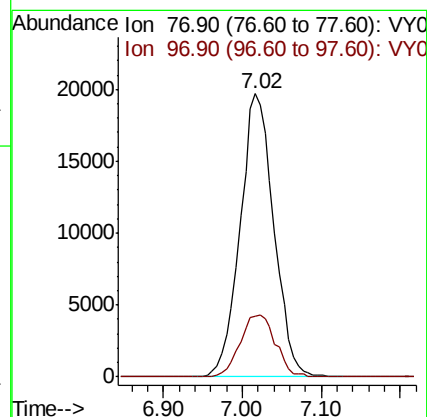
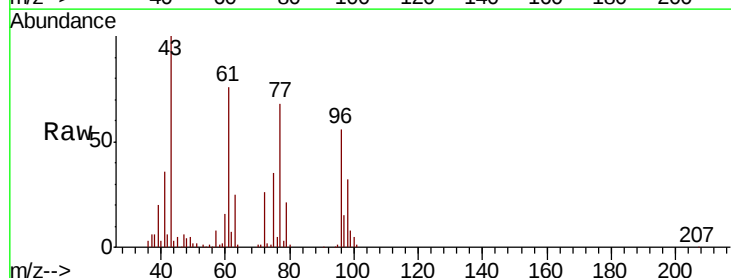
Acq: 25 Mar 2020 13:53

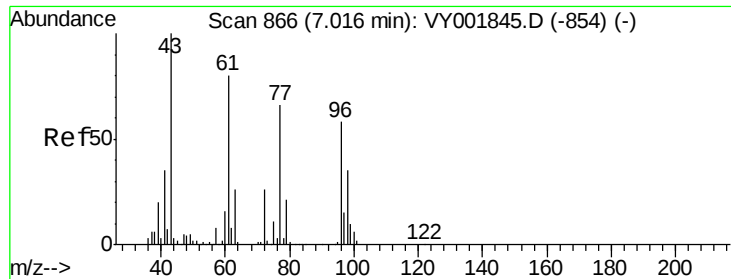
Tgt Ion: 77 Resp: 58384

Ion Ratio Lower Upper

77 100

97 22.9 11.9 35.7





#27

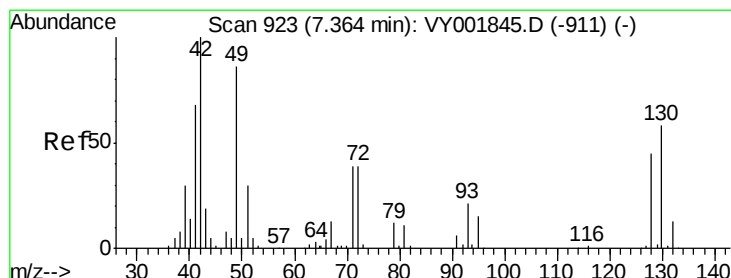
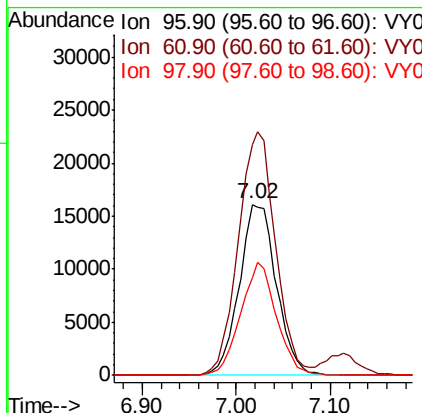
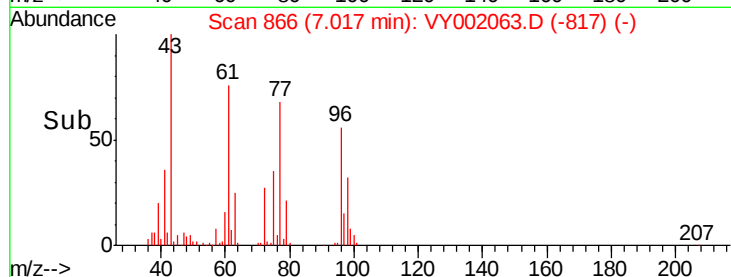
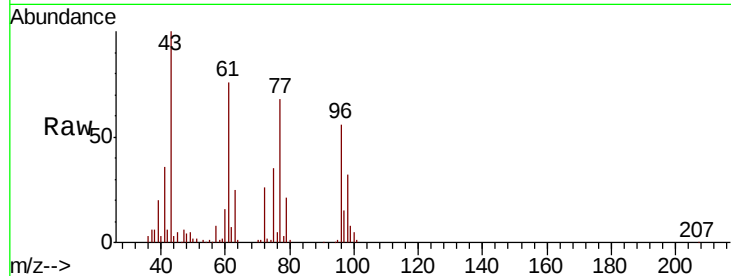
cis-1,2-Dichloroethene
Concen: 20.890 ug/l
RT: 7.02 min Scan# 866
Delta R.T. 0.00 min
Lab File: VY002063.D
Acq: 25 Mar 2020 13:53

Instrument :
MSVOA_Y
ClientSampleId :
VY0325SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	142.7	0.0	288.2
98	63.4	0.0	129.0

Manual Integrations
APPROVED

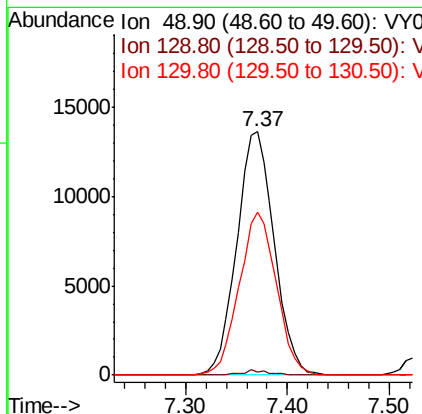
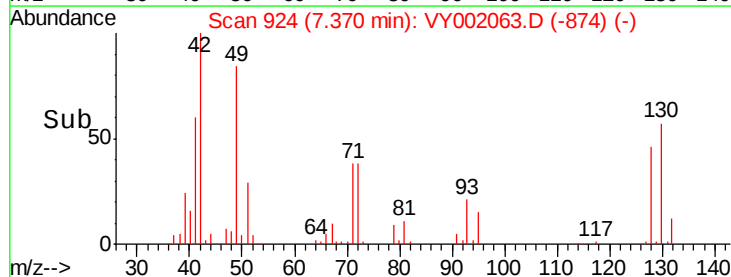
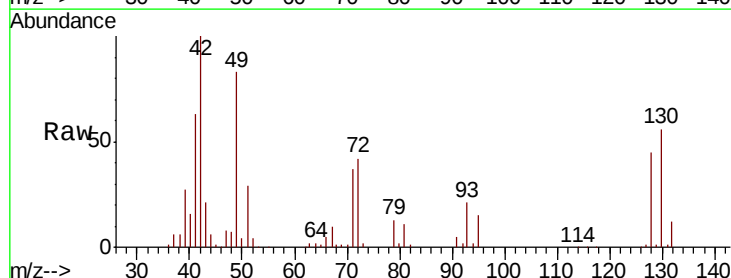
apatel
3/26/2020 10:59:01 AM

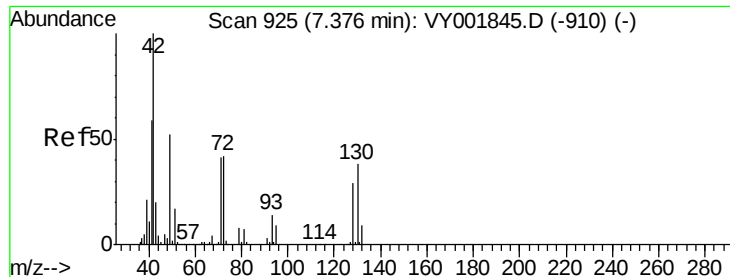


#28

Bromochloromethane
Concen: 22.680 ug/l
RT: 7.37 min Scan# 924
Delta R.T. 0.01 min
Lab File: VY002063.D
Acq: 25 Mar 2020 13:53

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	3.8
130	66.8	54.4	81.6





#29

Tetrahydrofuran

Concen: 110.978 ug/l

RT: 7.38 min Scan# 926

Delta R.T. 0.01 min

Lab File: VY002063.D

Acq: 25 Mar 2020 13:53

Instrument :

MSVOA_Y

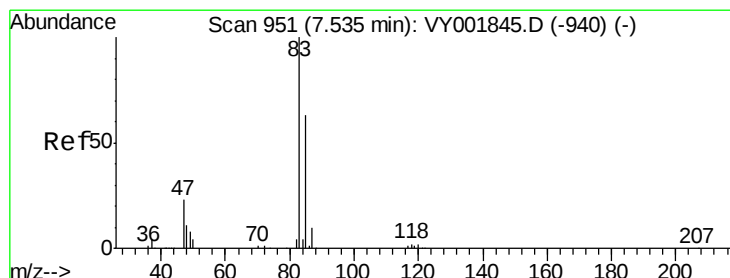
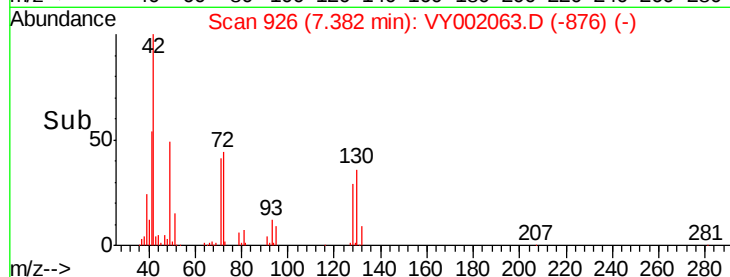
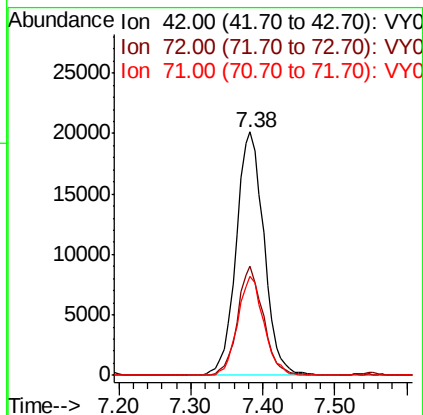
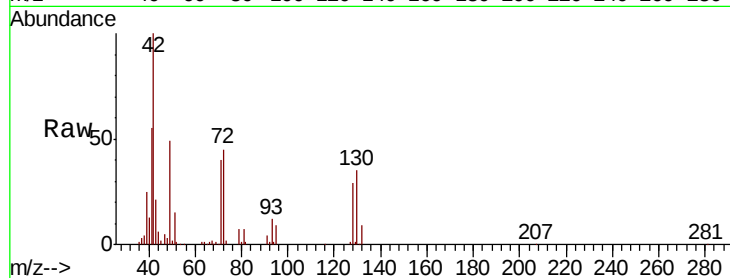
ClientSampleId :

VY0325SBS01

Tot Ion:	42	Resp:	53976
Ion	Ratio	Lower	Upper
42	100		
72	41.2	33.5	50.3
71	38.1	31.3	46.9

Manual Integrations
APPROVED

apatel
3/26/2020 10:59:01 AM



#30

Chloroform

Concen: 21.019 ug/l

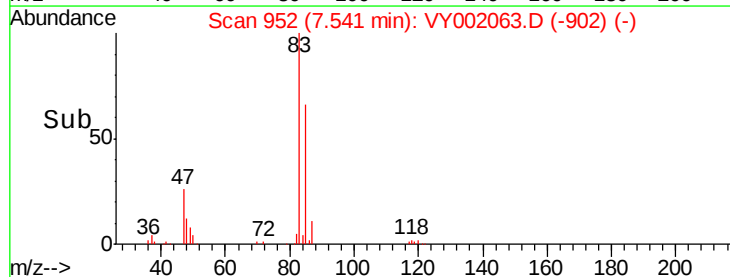
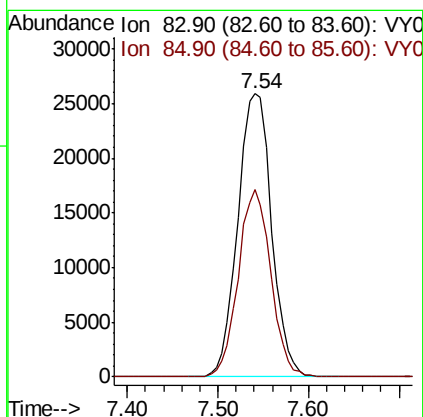
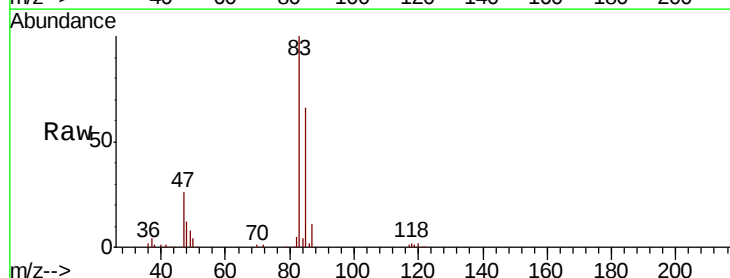
RT: 7.54 min Scan# 952

Delta R.T. 0.01 min

Lab File: VY002063.D

Acq: 25 Mar 2020 13:53

Tgt Ion:	83	Resp:	66923
Ion	Ratio	Lower	Upper
83	100		
85	66.0	50.7	76.1





#31

Cyclohexane

Concen: 19.676 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.01 min

Lab File: VY002063.D

Acq: 25 Mar 2020 13:53

Instrument :

MSVOA_Y

ClientSampleId :

VY0325SBS01

Tot Ion: 56 Resp: 71496

Ion Ratio Lower Upper

56 100

69 34.9 26.7 40.1

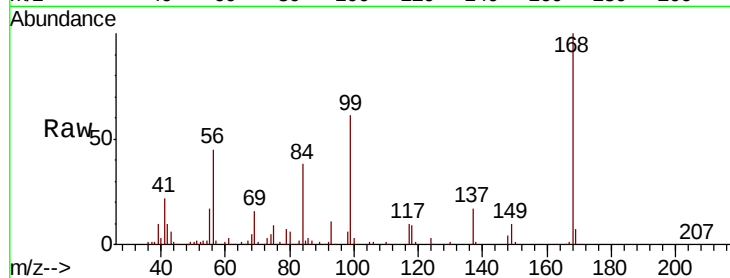
84 81.3 70.4 105.6

Manual Integrations

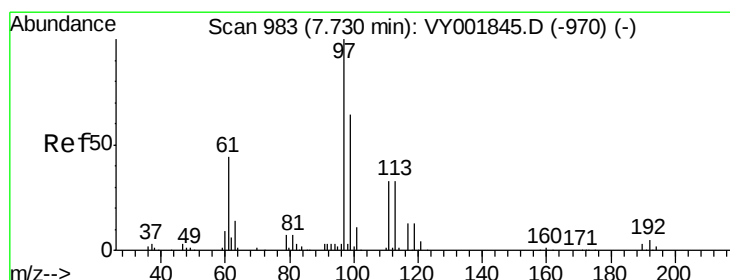
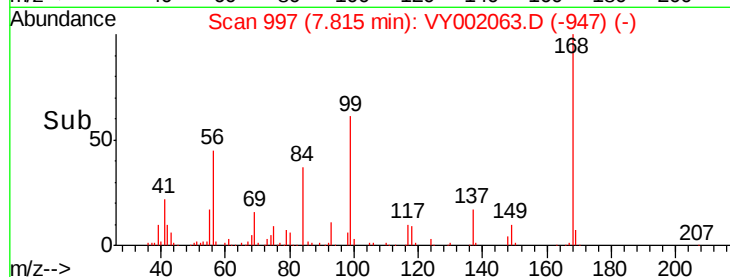
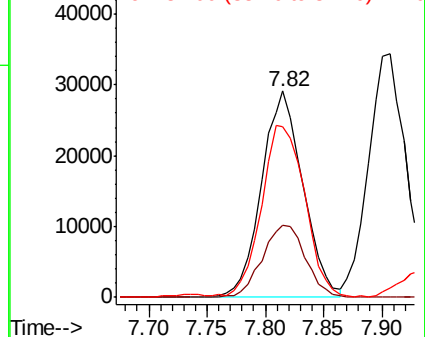
APPROVED

apatel

3/26/2020 10:59:01 AM



Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0



#32

1,1,1-Trichloroethane

Concen: 20.444 ug/l

RT: 7.74 min Scan# 984

Delta R.T. 0.01 min

Lab File: VY002063.D

Acq: 25 Mar 2020 13:53

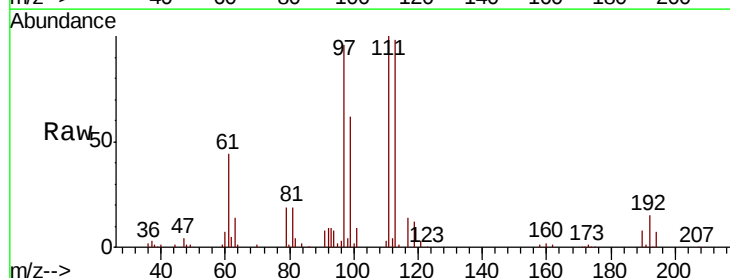
Tgt Ion: 97 Resp: 54863

Ion Ratio Lower Upper

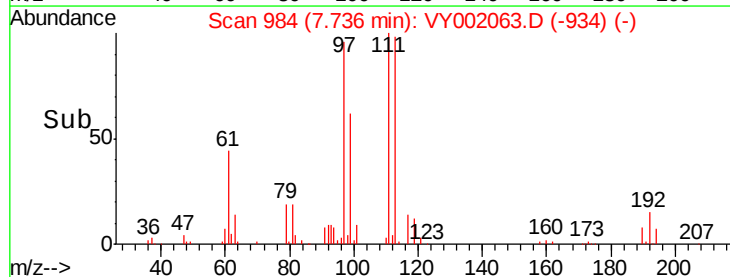
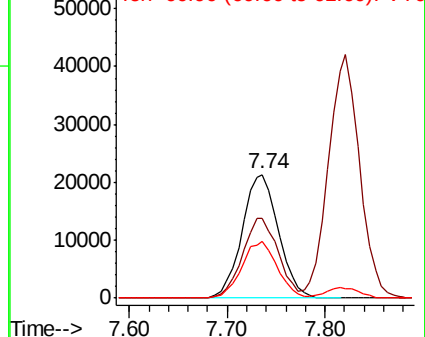
97 100

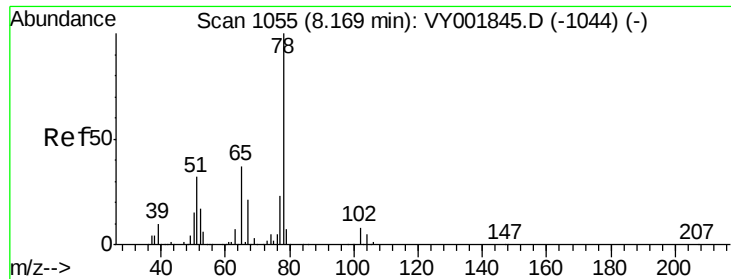
99 63.5 52.0 78.0

61 44.8 35.0 52.4



Abundance Ion 96.90 (96.60 to 97.60): VY0
Ion 98.90 (98.60 to 99.60): VY0
Ion 60.90 (60.60 to 61.60): VY0





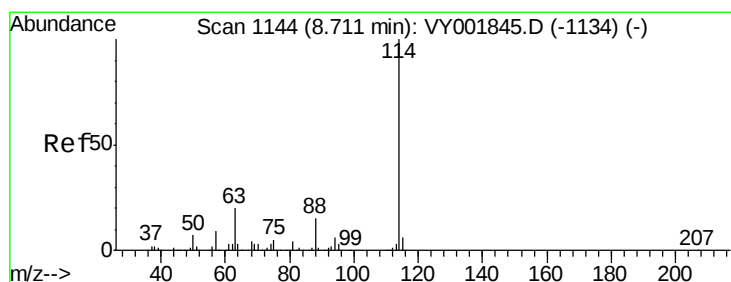
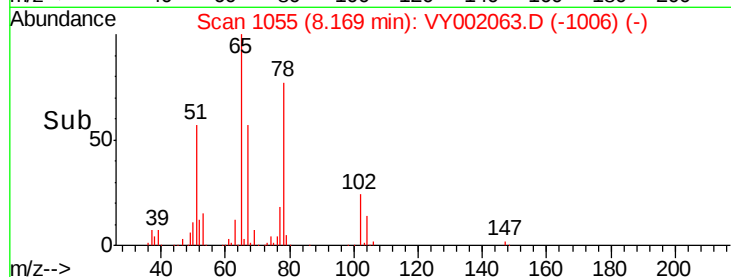
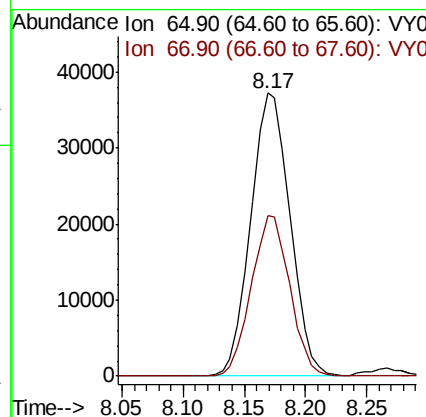
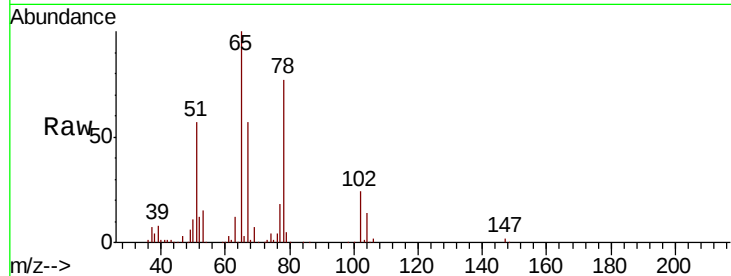
#33
 1,2-Dichloroethane-d4
 Concen: 50.403 ug/l
 RT: 8.17 min Scan# 1055
 Delta R.T. 0.00 min
 Lab File: VY002063.D
 Acq: 25 Mar 2020 13:53

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0325SBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	55.5	0.0	110.8

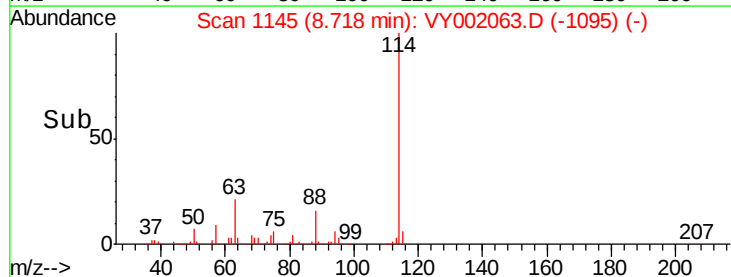
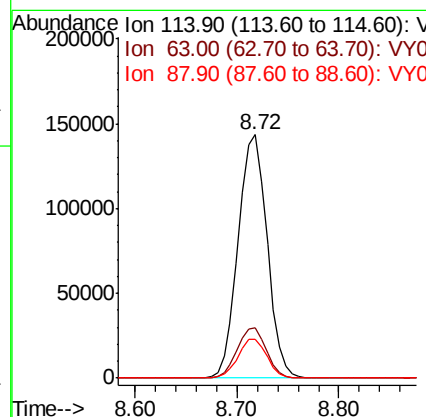
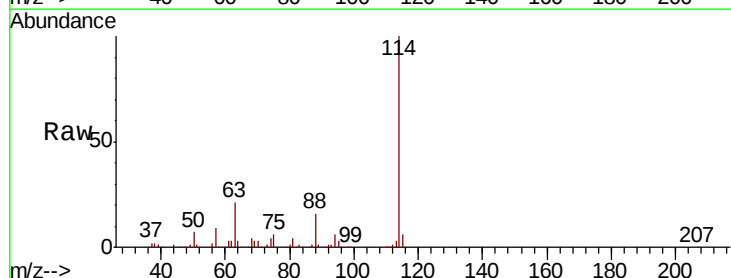
Manual Integrations
 APPROVED

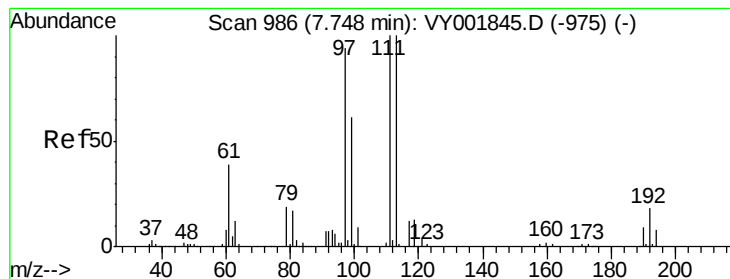
apatel
 3/26/2020 10:59:01 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.72 min Scan# 1145
 Delta R.T. 0.01 min
 Lab File: VY002063.D
 Acq: 25 Mar 2020 13:53

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	39.4
88	15.7	0.0	30.4





#35

Dibromofluoromethane

Concen: 49.959 ug/l

RT: 7.75 min Scan# 986

Delta R.T. 0.00 min

Lab File: VY002063.D

Acq: 25 Mar 2020 13:53

Instrument :

MSVOA_Y

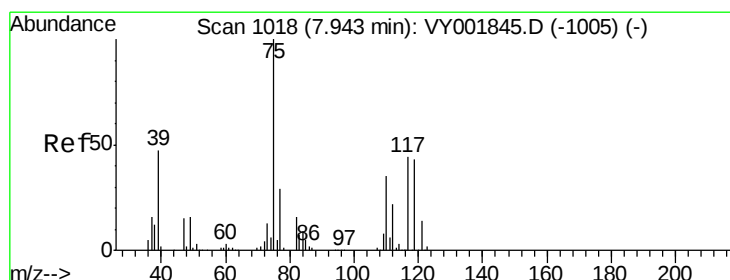
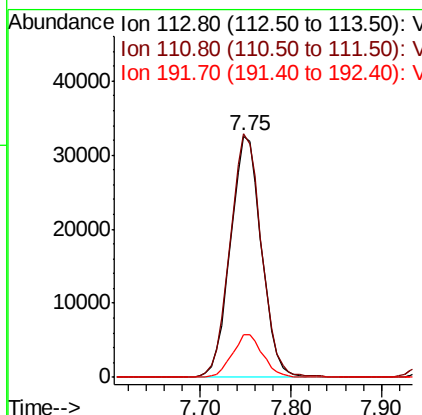
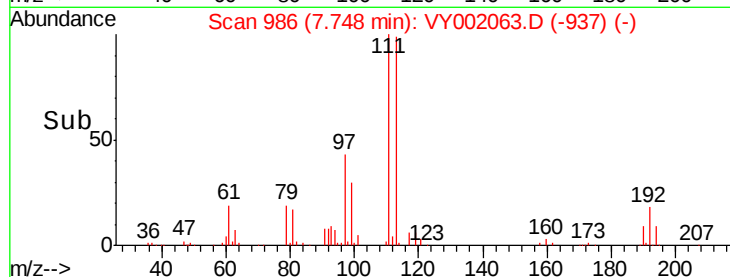
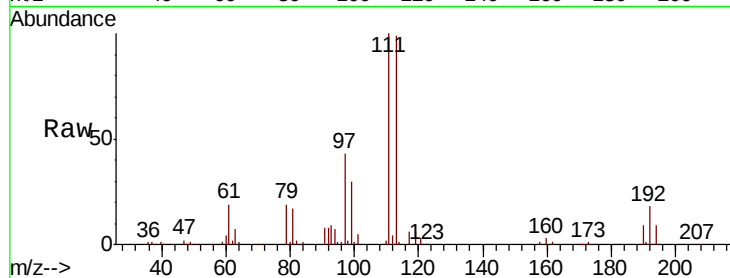
ClientSampleId :

VY0325SBS01

Tot Ion:	113	Resp:	77171
Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.8	122.8
192	17.5	14.2	21.2

Manual Integrations
APPROVED

apatel
3/26/2020 10:59:01 AM



#36

1,1-Dichloropropene

Concen: 20.003 ug/l

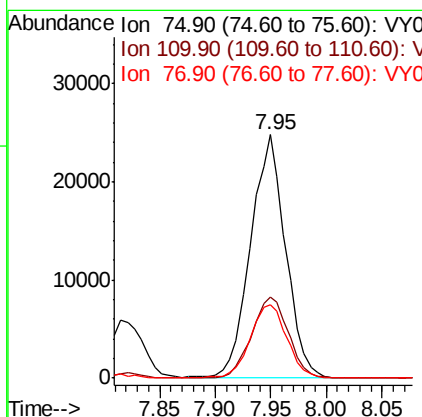
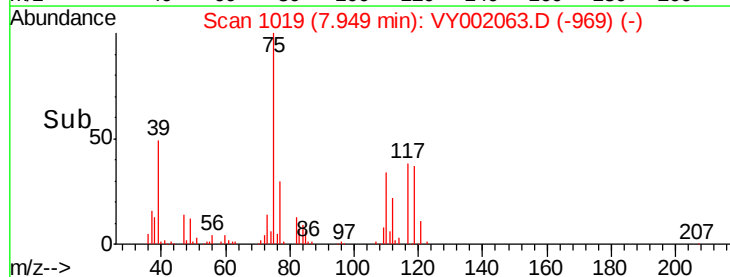
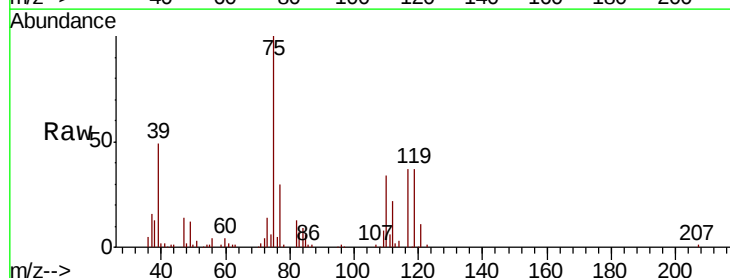
RT: 7.95 min Scan# 1019

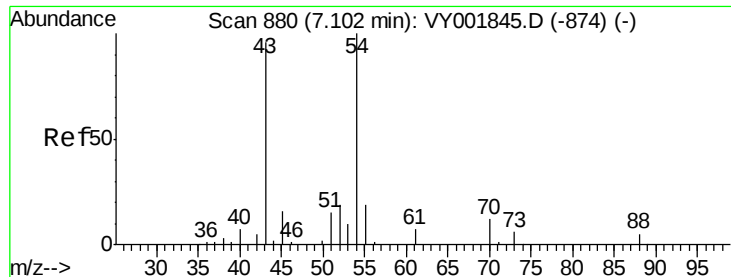
Delta R.T. 0.01 min

Lab File: VY002063.D

Acq: 25 Mar 2020 13:53

Tgt Ion:	75	Resp:	54453
Ion	Ratio	Lower	Upper
75	100		
110	34.8	17.4	52.2
77	31.6	24.2	36.2





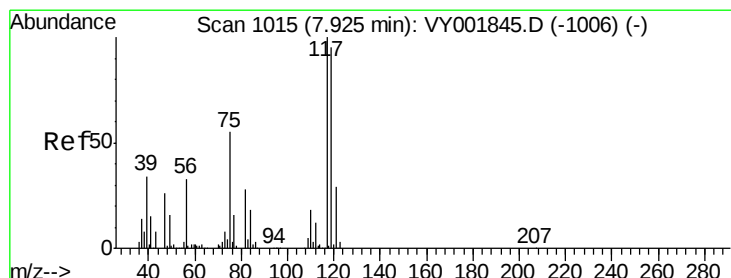
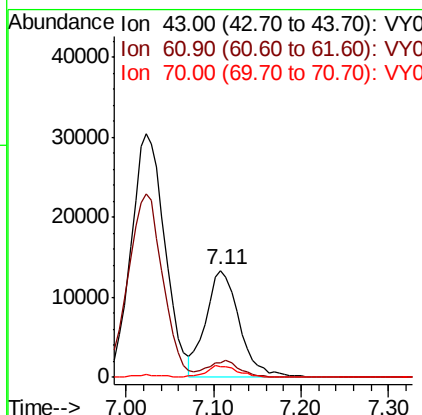
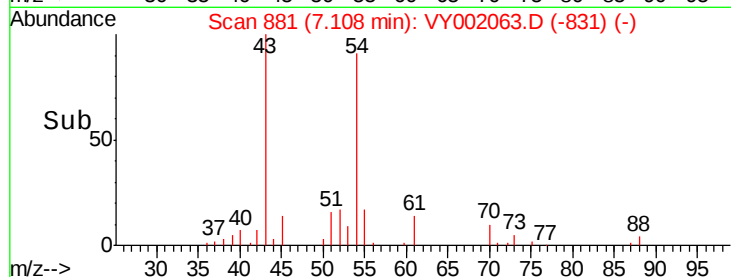
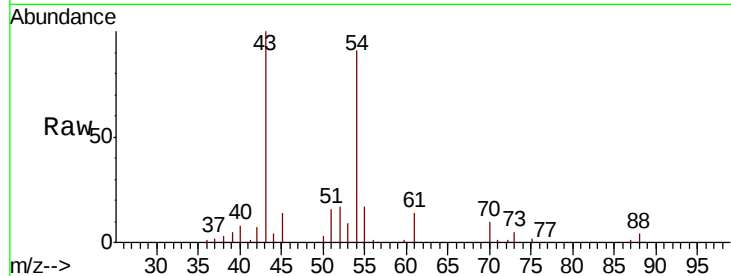
#37
Ethyl Acetate
Concen: 22.754 ug/l
RT: 7.11 min Scan# 881
Delta R.T. 0.01 min
Lab File: VY002063.D
Acq: 25 Mar 2020 13:53

Instrument :
MSVOA_Y
ClientSampleId :
VY0325SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.7	11.1	16.7
70	10.3	8.2	12.4

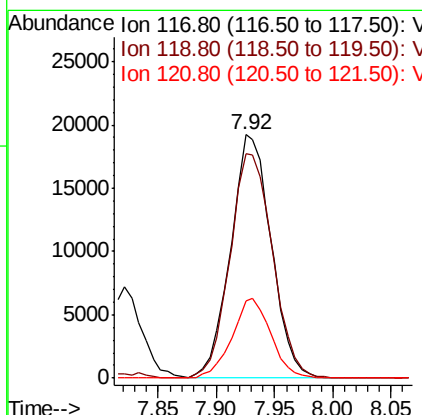
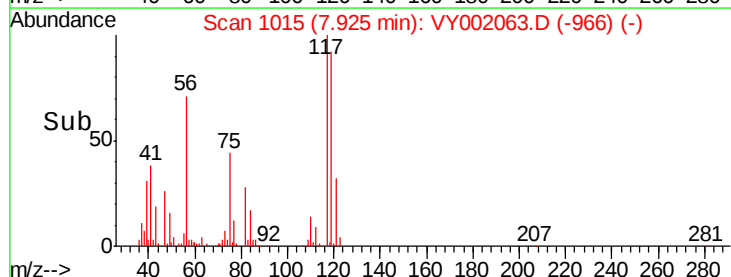
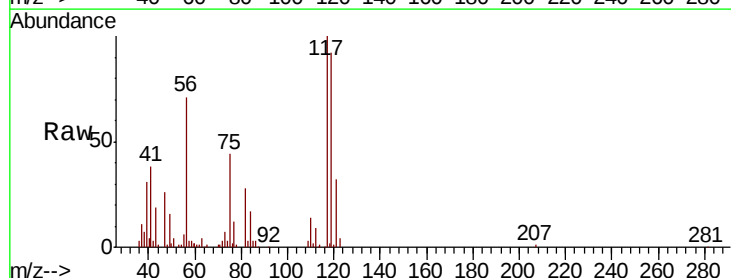
Manual Integrations
APPROVED

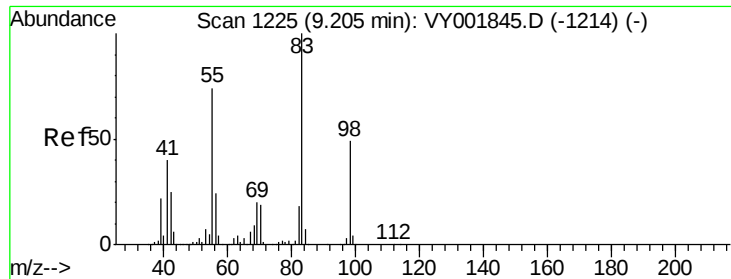
apatel
3/26/2020 10:59:01 AM



#38
Carbon Tetrachloride
Concen: 20.109 ug/l
RT: 7.92 min Scan# 1015
Delta R.T. 0.00 min
Lab File: VY002063.D
Acq: 25 Mar 2020 13:53

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.3	76.3	114.5
121	31.7	23.5	35.3





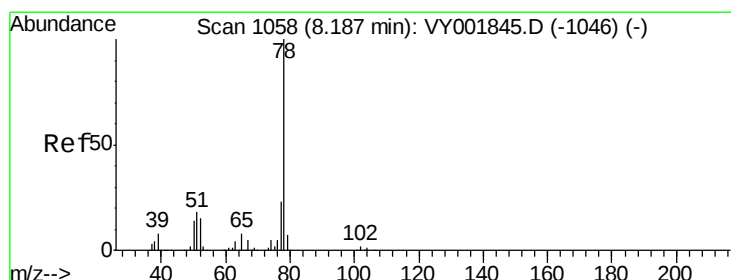
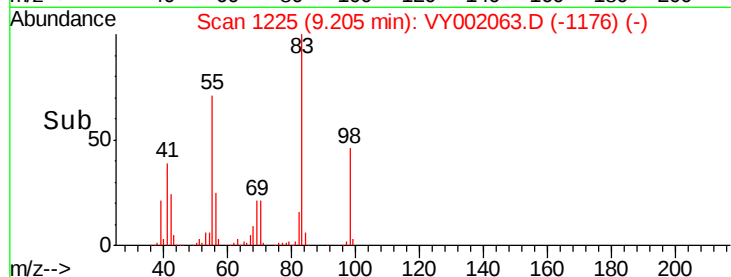
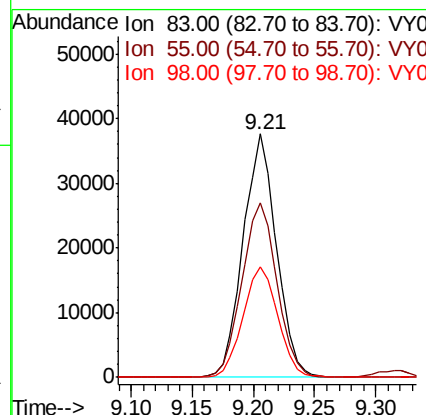
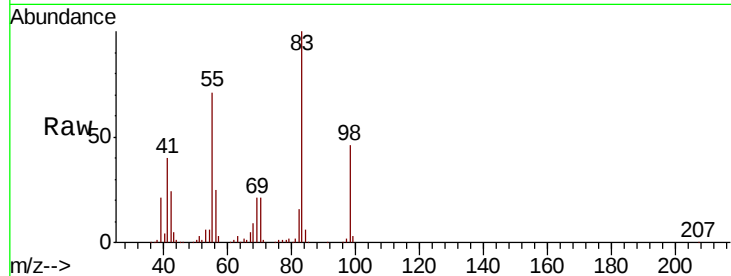
#39
Methvlcvclohexane
Concen: 19.714 ug/l
RT: 9.21 min Scan# 1225
Delta R.T. 0.00 min
Lab File: VY002063.D
Acq: 25 Mar 2020 13:53

Instrument :
MSVOA_Y
ClientSampleId :
VY0325SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.4	59.4	89.0
98	45.6	38.9	58.3

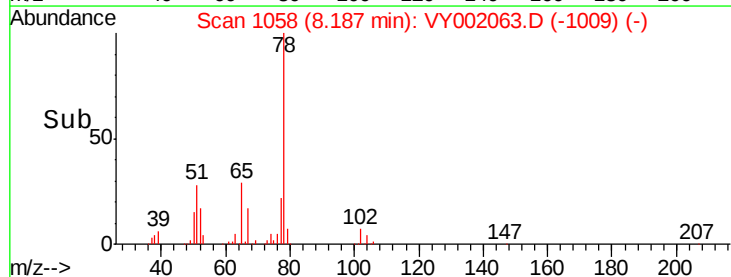
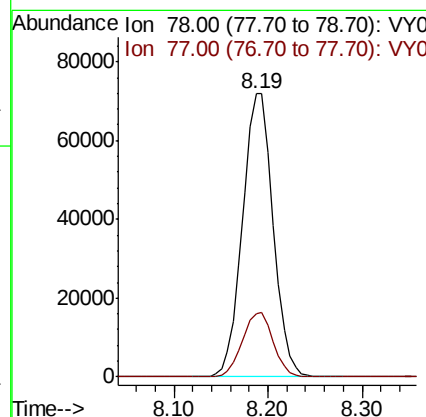
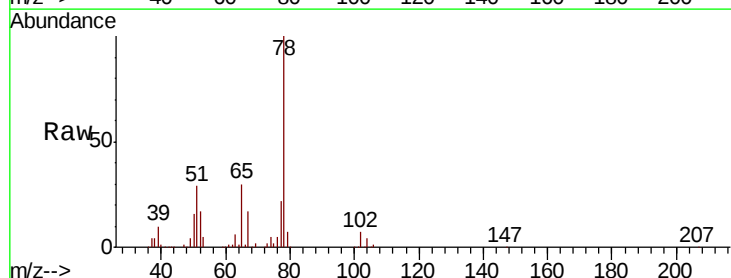
Manual Integrations
APPROVED

apatel
3/26/2020 10:59:01 AM



#40
Benzene
Concen: 20.205 ug/l
RT: 8.19 min Scan# 1058
Delta R.T. 0.00 min
Lab File: VY002063.D
Acq: 25 Mar 2020 13:53

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.2	18.7	28.1





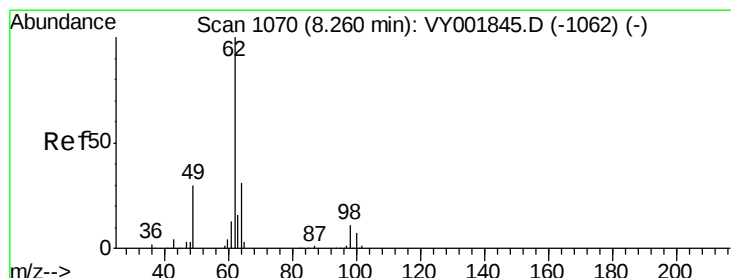
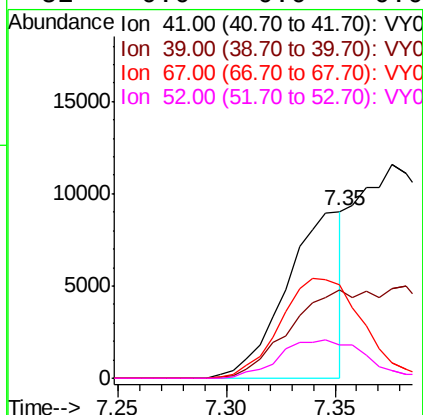
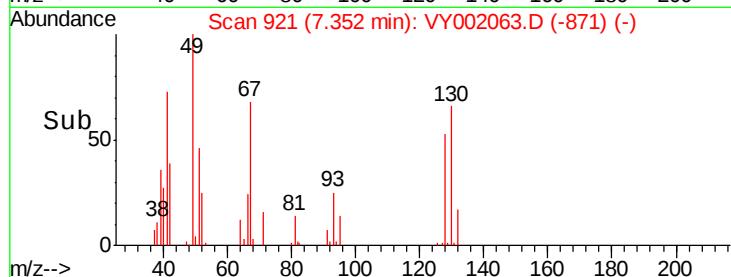
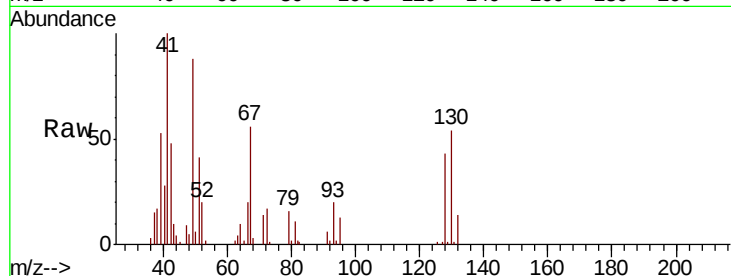
#41
Methacrylonitrile
Concen: 22.965 ug/l m
RT: 7.35 min Scan# 921
Delta R.T. 0.01 min
Lab File: VY002063.D
Acq: 25 Mar 2020 13:53

Instrument :
MSVOA_Y
ClientSampleId :
VY0325SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	111.7	167.5#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

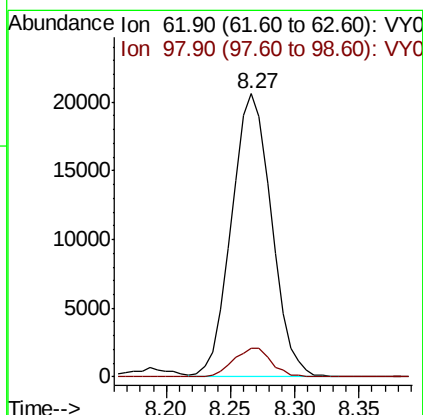
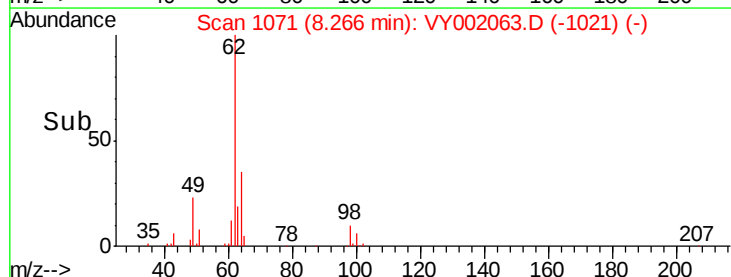
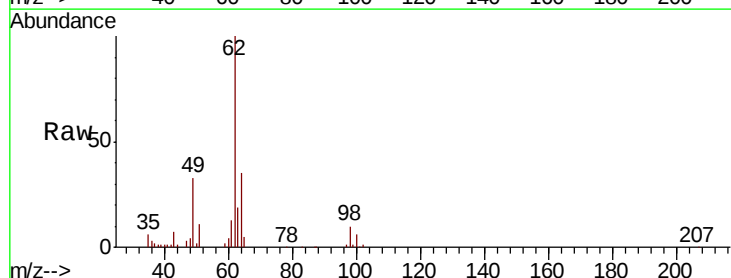
Manual Integrations
APPROVED

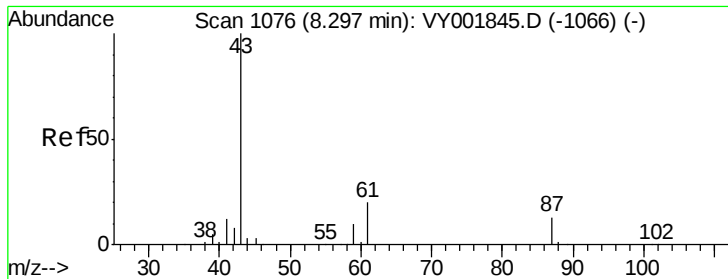
apatel
3/26/2020 10:59:01 AM



#42
1,2-Dichloroethane
Concen: 21.400 ug/l
RT: 8.27 min Scan# 1071
Delta R.T. 0.01 min
Lab File: VY002063.D
Acq: 25 Mar 2020 13:53

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	21.4





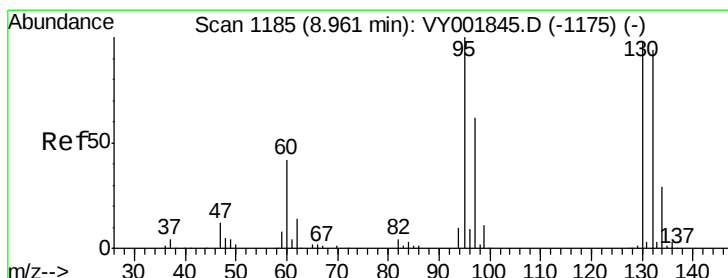
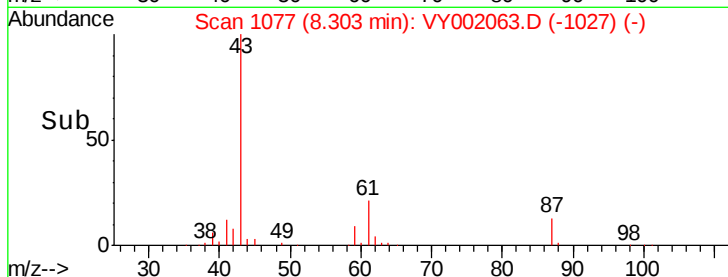
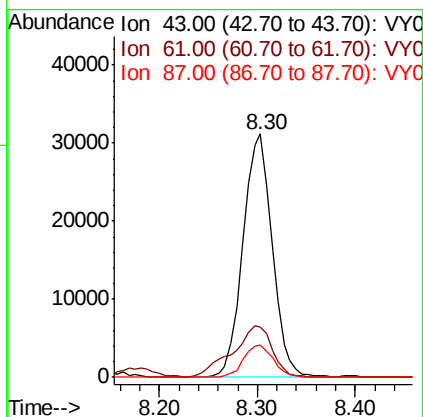
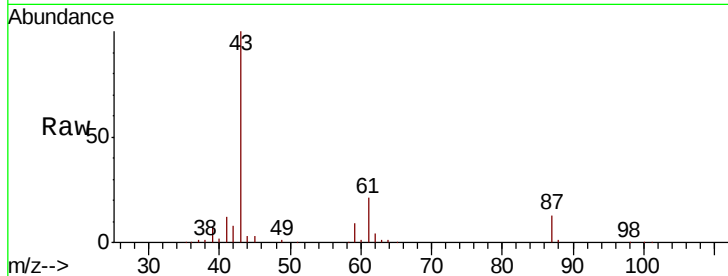
#43
Isopropyl Acetate
Concen: 21.717 ug/l
RT: 8.30 min Scan# 1077
Delta R.T. 0.01 min
Lab File: VY002063.D
Acq: 25 Mar 2020 13:53

Instrument :
MSVOA_Y
ClientSampleId :
VY0325SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.6	23.8	35.6
87	13.6	10.9	16.3

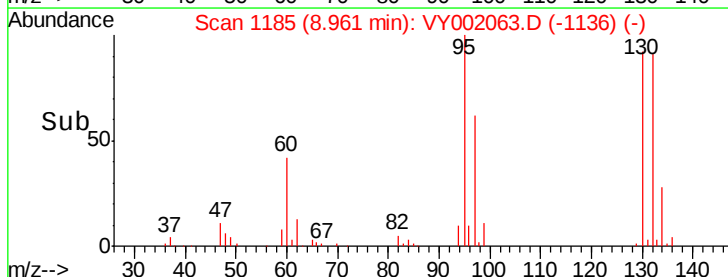
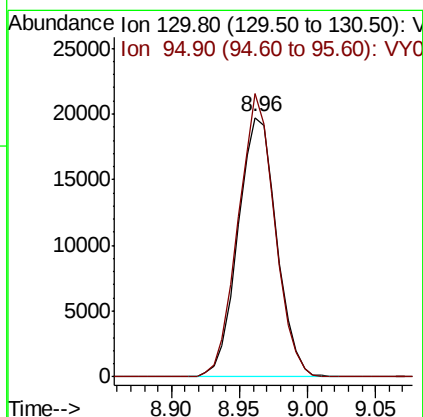
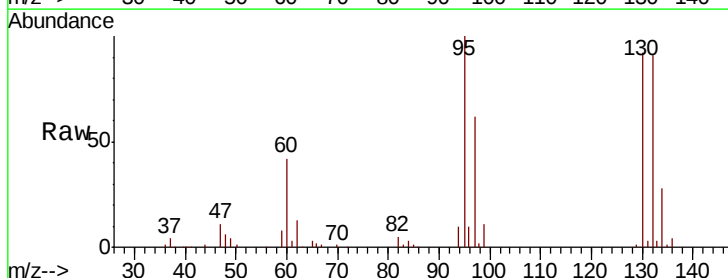
Manual Integrations
APPROVED

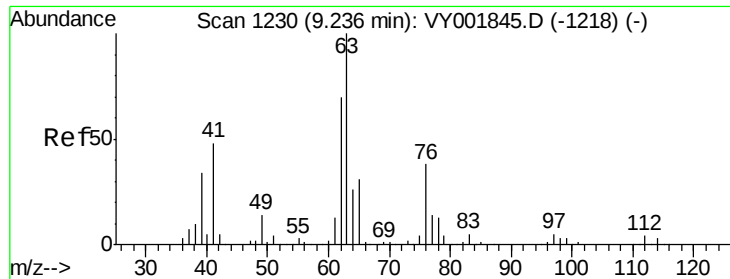
apatel
3/26/2020 10:59:01 AM



#44
Trichloroethene
Concen: 19.944 ug/l
RT: 8.96 min Scan# 1185
Delta R.T. 0.00 min
Lab File: VY002063.D
Acq: 25 Mar 2020 13:53

Tgt Ion	Ratio	Lower	Upper
130	100		
95	109.0	0.0	204.6





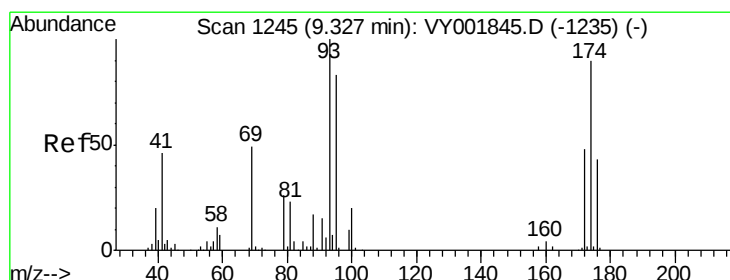
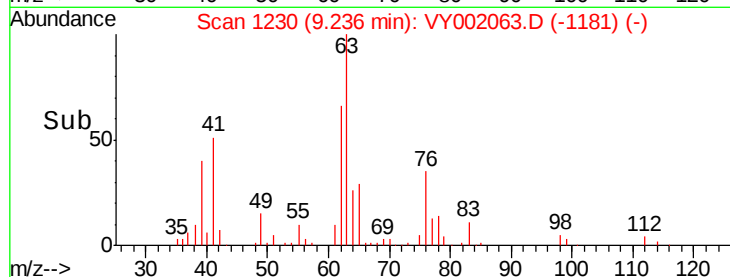
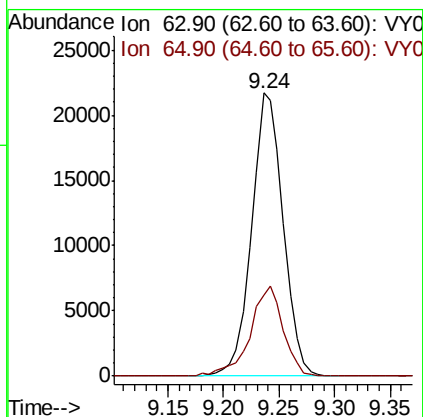
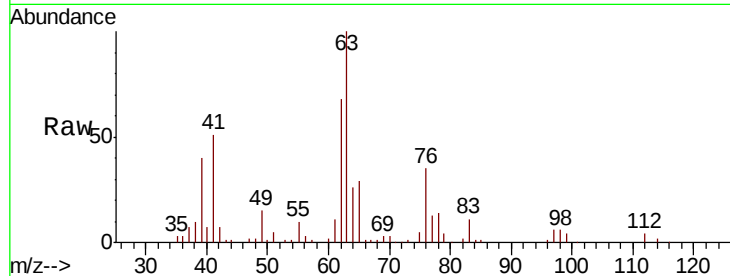
#45
 1,2-Dichloropropane
 Concen: 21.050 ug/l
 RT: 9.24 min Scan# 1230
 Delta R.T. 0.00 min
 Lab File: VY002063.D
 Acq: 25 Mar 2020 13:53

Instrument :
 MSVOA_Y
 ClientSampleID :
 VY0325SBS01

Tot Ion: 63 Resp: 42697
 Ion Ratio Lower Upper
 63 100
 65 28.9 24.9 37.3

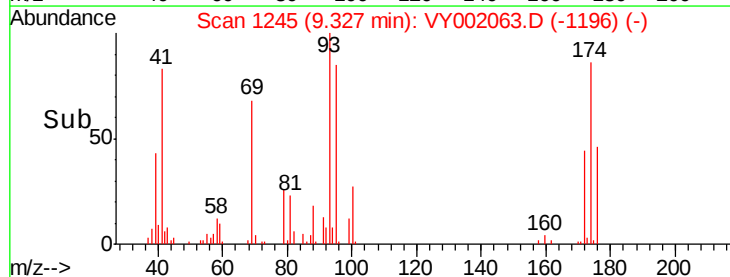
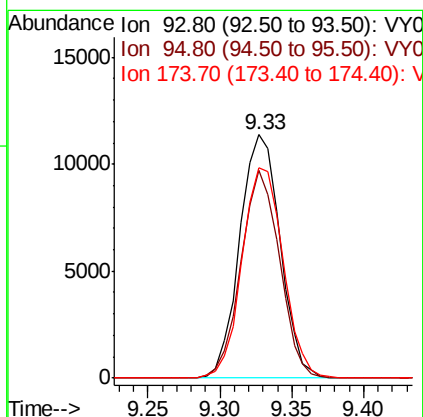
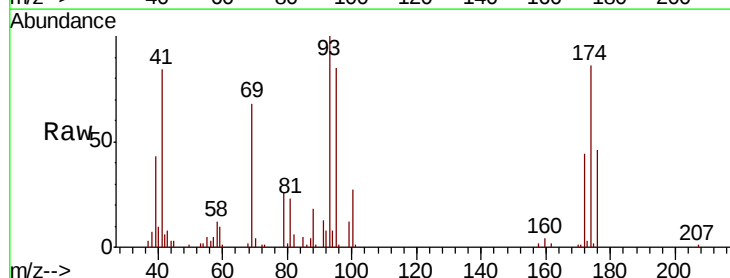
Manual Integrations
 APPROVED

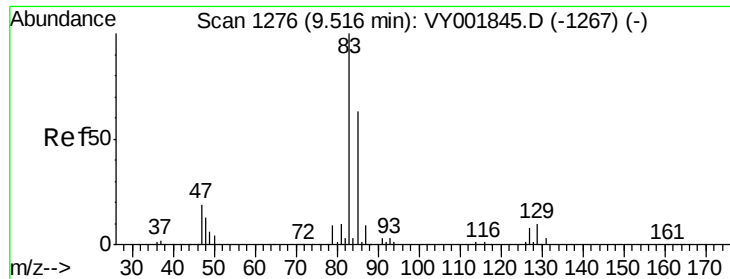
apatel
 3/26/2020 10:59:01 AM



#46
 Dibromomethane
 Concen: 21.138 ug/l
 RT: 9.33 min Scan# 1245
 Delta R.T. 0.00 min
 Lab File: VY002063.D
 Acq: 25 Mar 2020 13:53

Tgt Ion: 93 Resp: 22095
 Ion Ratio Lower Upper
 93 100
 95 81.4 67.0 100.4
 174 87.7 71.8 107.8





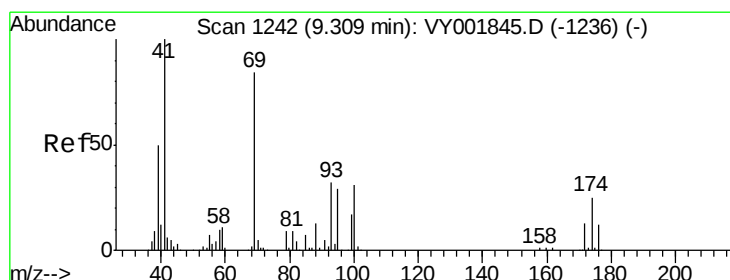
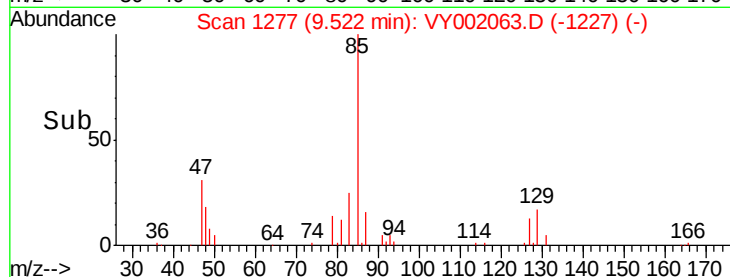
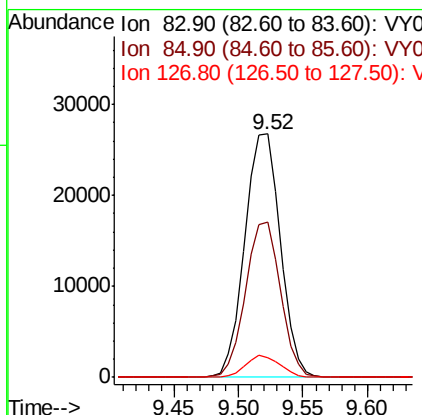
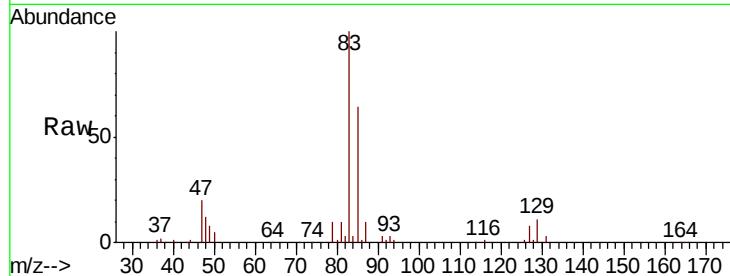
#47
Bromodichloromethane
Concen: 21.048 ug/l
RT: 9.52 min Scan# 1277
Delta R.T. 0.01 min
Lab File: VY002063.D
Acq: 25 Mar 2020 13:53

Instrument :
MSVOA_Y
ClientSampleId :
VY0325SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
85	63.9	50.6	76.0
127	8.1	6.2	9.4

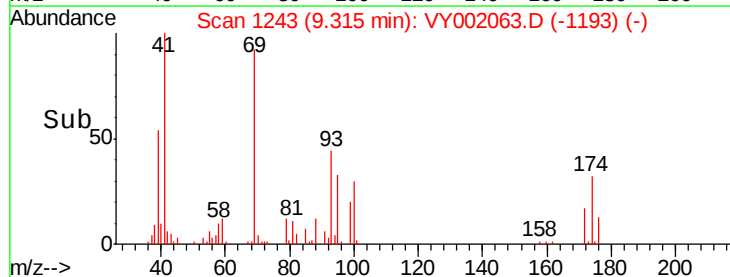
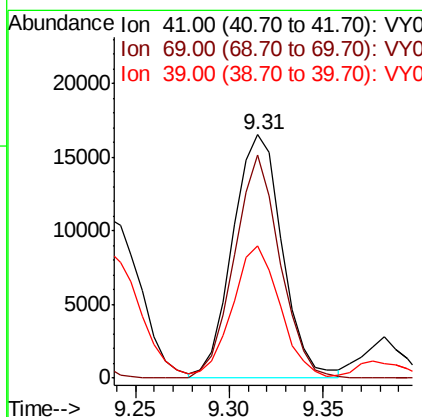
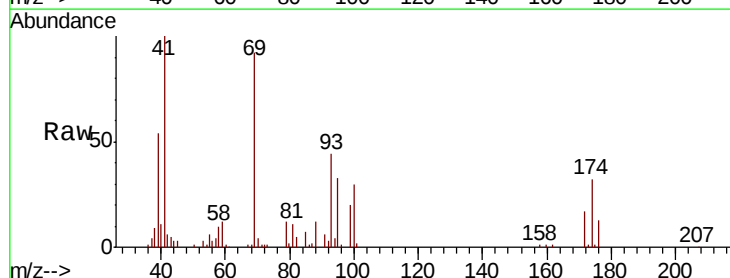
Manual Integrations
APPROVED

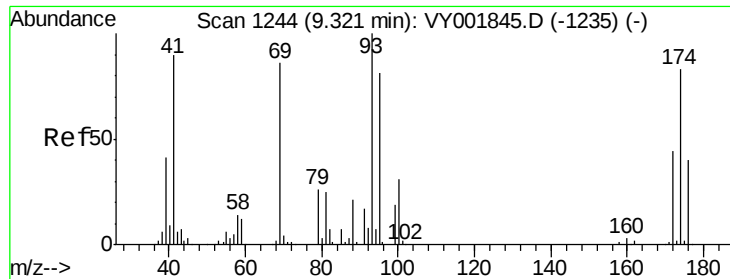
apatel
3/26/2020 10:59:01 AM



#48
Methyl methacrylate
Concen: 22.721 ug/l
RT: 9.31 min Scan# 1243
Delta R.T. 0.01 min
Lab File: VY002063.D
Acq: 25 Mar 2020 13:53

Tgt Ion	Ratio	Lower	Upper
41	100		
69	84.5	69.0	103.6
39	52.1	39.1	58.7





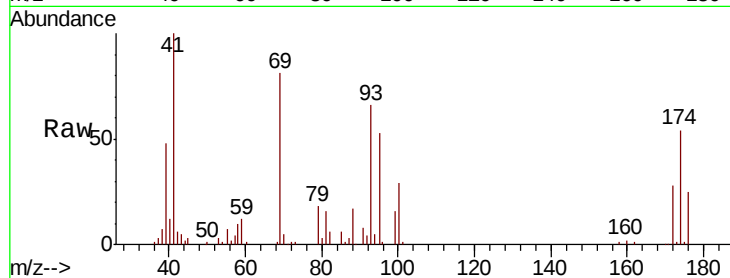
#49
 1,4-Dioxane
 Concen: 402.162 ug/l
 RT: 9.32 min Scan# 1244
 Delta R.T. 0.00 min
 Lab File: VY002063.D
 Acq: 25 Mar 2020 13:53

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0325SBS01

Tot Ion	88	Resp	5760
Ion Ratio	Lower	Upper	
88	100		
43	32.9	25.0	37.6
58	69.8	58.9	88.3

Manual Integrations
 APPROVED

apatel
 3/26/2020 10:59:01 AM

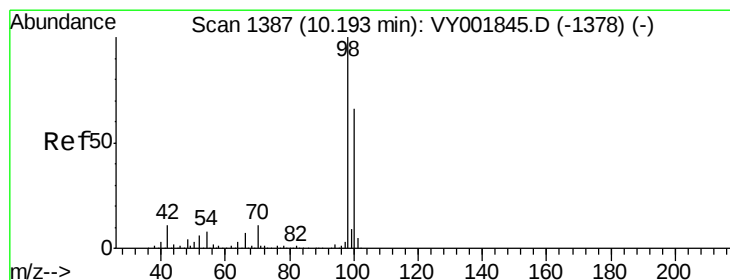
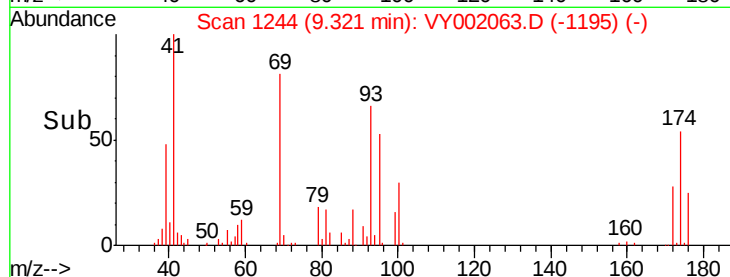
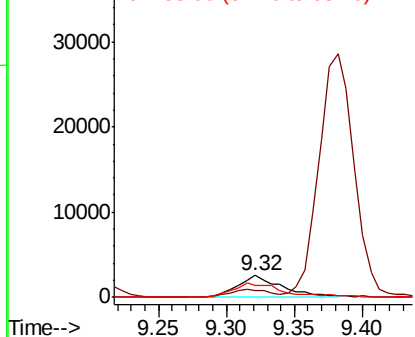


Abundance

Ion 88.00 (87.70 to 88.70): VY0

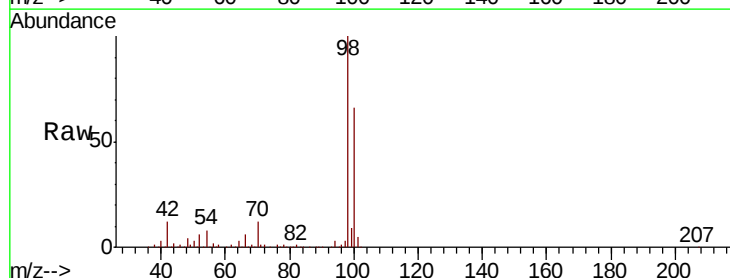
Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#50
 Toluene-d8
 Concen: 47.793 ug/l
 RT: 10.20 min Scan# 1388
 Delta R.T. 0.01 min
 Lab File: VY002063.D
 Acq: 25 Mar 2020 13:53

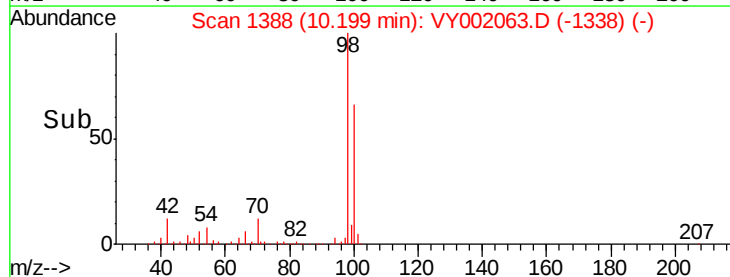
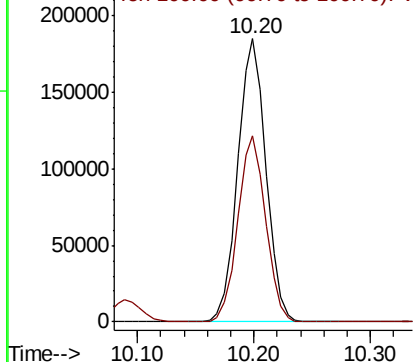
Tgt Ion	98	Resp	311312
Ion Ratio	Lower	Upper	
98	100		
100	65.0	53.0	79.4



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: 112.569 ug/l

RT: 10.09 min Scan# 1370

Delta R.T. 0.01 min

Lab File: VY002063.D

Acq: 25 Mar 2020 13:53

Instrument :

MSVOA_Y

ClientSampleId :

VY0325SBS01

Tot Ion: 43 Resp: 173682

Ion Ratio Lower Upper

43 100

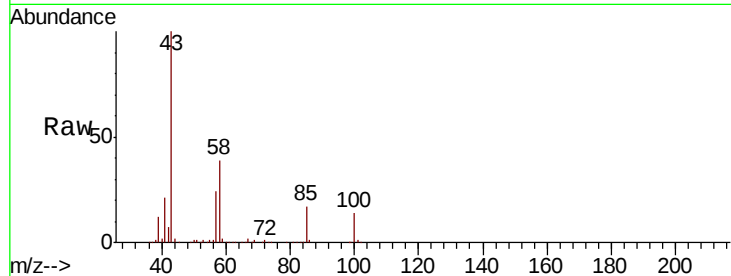
58 39.6 32.0 48.0

Manual Integrations

APPROVED

apatel

3/26/2020 10:59:01 AM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

10.09

120000

100000

80000

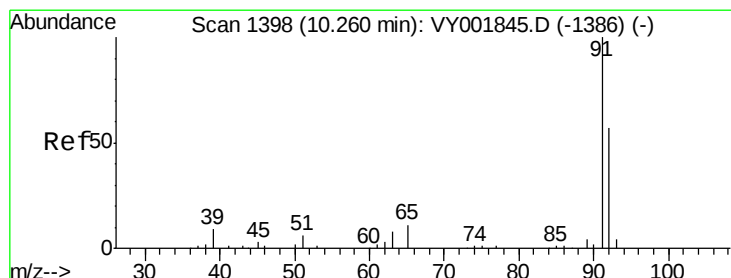
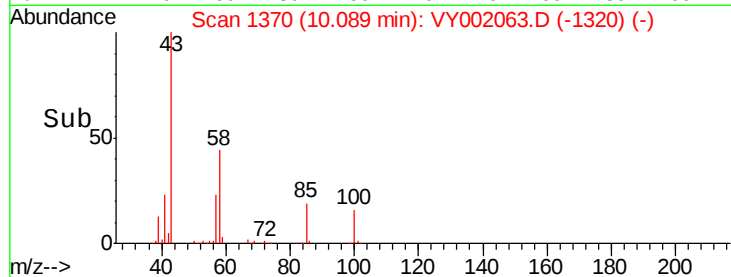
60000

40000

20000

0

Time-->



#52

Toluene

Concen: 20.351 ug/l

RT: 10.26 min Scan# 1398

Delta R.T. 0.00 min

Lab File: VY002063.D

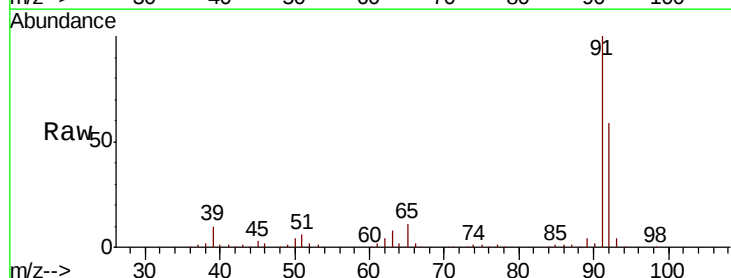
Acq: 25 Mar 2020 13:53

Tgt Ion: 92 Resp: 99752

Ion Ratio Lower Upper

92 100

91 172.8 138.6 208.0



Abundance Ion 92.00 (91.70 to 92.70): VY0

Ion 91.00 (90.70 to 91.70): VY0

10.26

100000

80000

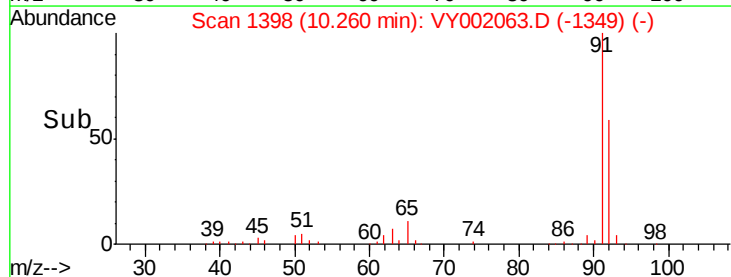
60000

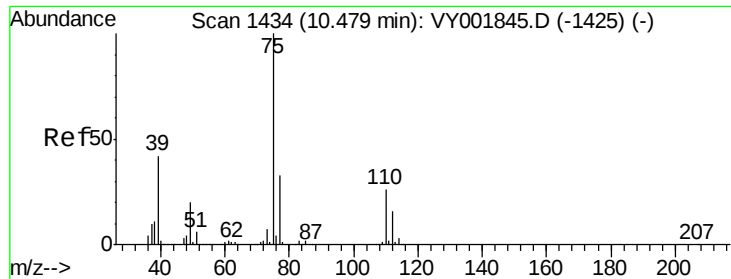
40000

20000

0

Time-->





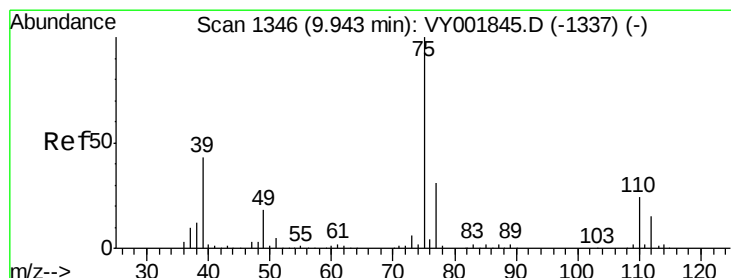
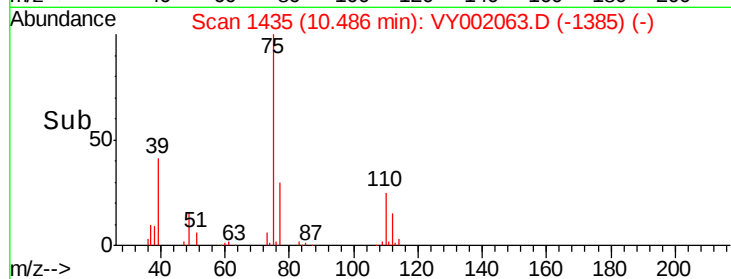
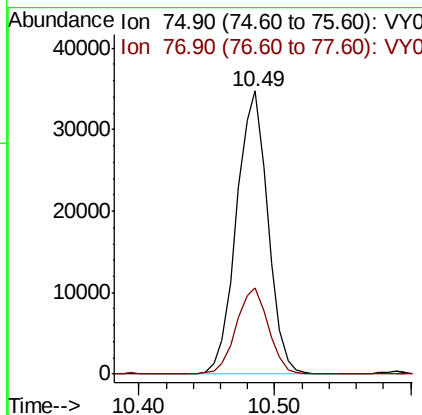
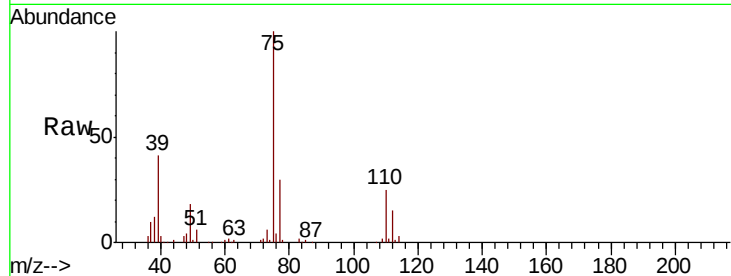
#53
 t-1,3-Dichloropropene
 Concen: 21.084 ug/l
 RT: 10.49 min Scan# 1435
 Delta R.T. 0.01 min
 Lab File: VY002063.D
 Acq: 25 Mar 2020 13:53

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0325SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.3	26.3	39.5

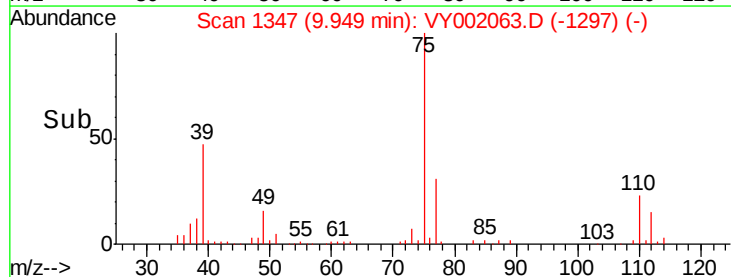
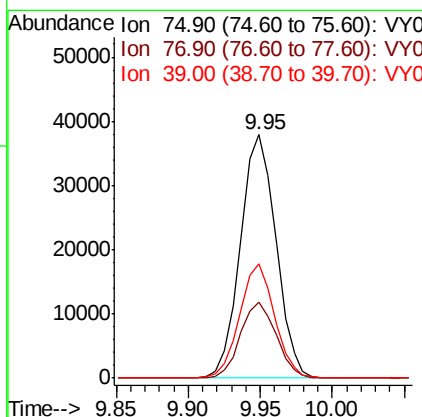
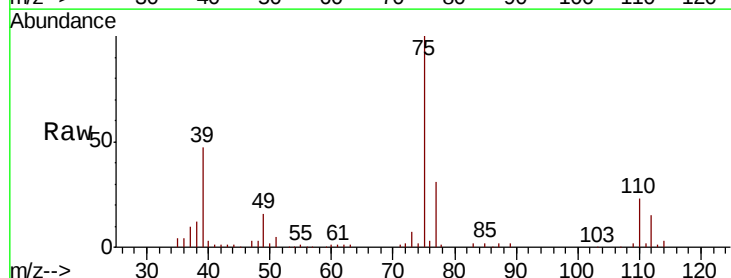
Manual Integrations
 APPROVED

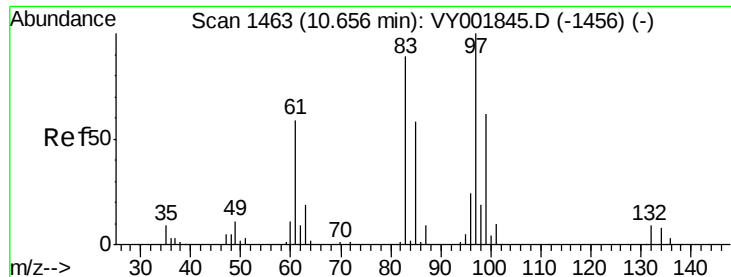
apatel
 3/26/2020 10:59:01 AM



#54
 cis-1,3-Dichloropropene
 Concen: 20.578 ug/l
 RT: 9.95 min Scan# 1347
 Delta R.T. 0.01 min
 Lab File: VY002063.D
 Acq: 25 Mar 2020 13:53

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.1	37.7
39	47.1	34.7	52.1





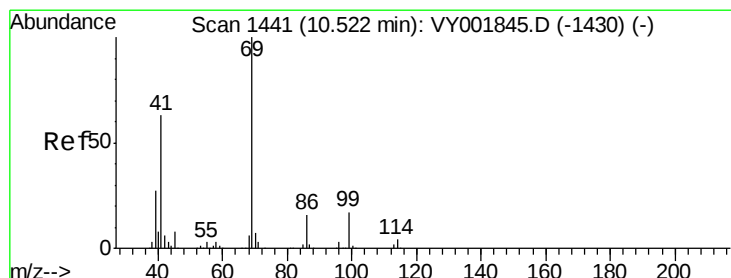
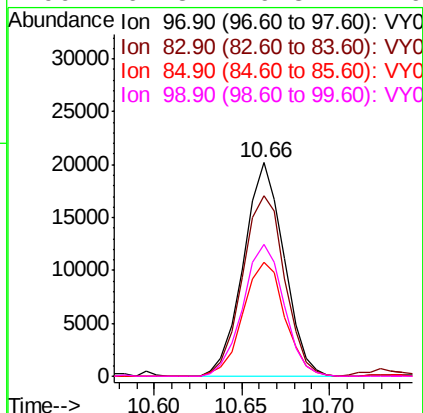
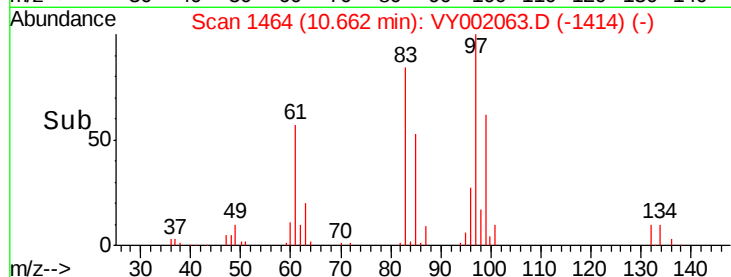
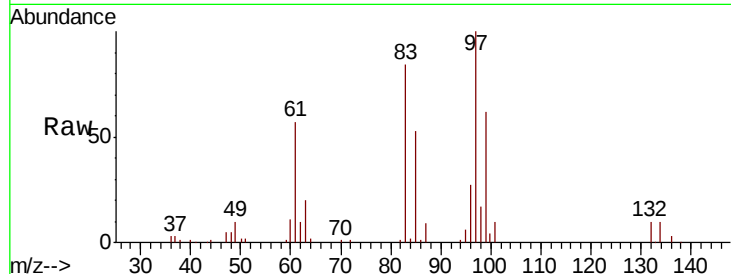
#55
 1,1,2-Trichloroethane
 Concen: 21.254 ug/l
 RT: 10.66 min Scan# 1464
 Delta R.T. 0.01 min
 Lab File: VY002063.D
 Acq: 25 Mar 2020 13:53

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0325SBS01

Tot Ion:	97	Resp:	32513
Ion	Ratio	Lower	Upper
97	100		
83	84.4	71.6	107.4
85	53.3	46.6	69.8
99	61.8	49.8	74.6

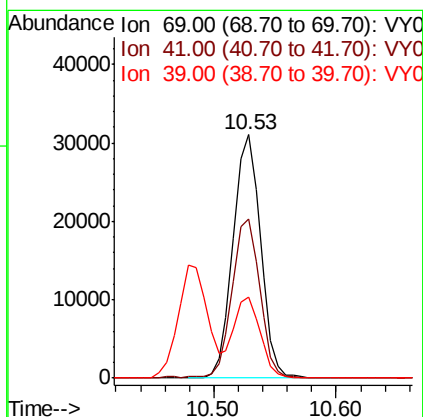
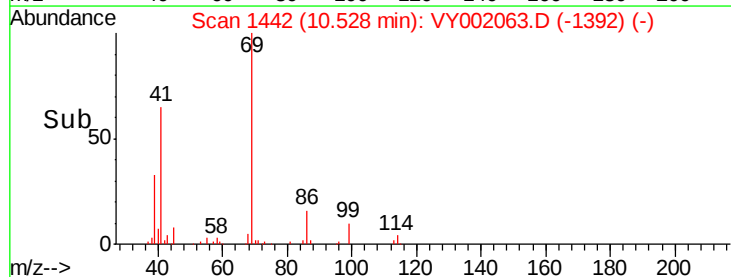
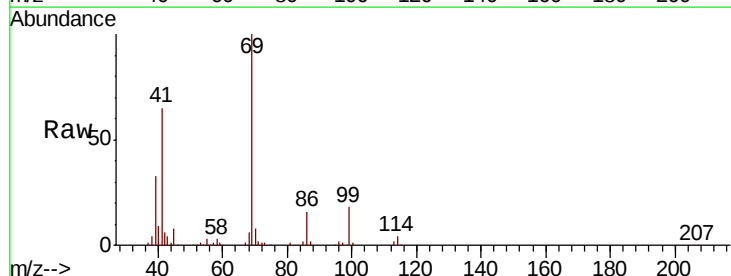
Manual Integrations
 APPROVED

apatel
 3/26/2020 10:59:01 AM



#56
 Ethyl methacrylate
 Concen: 21.548 ug/l
 RT: 10.53 min Scan# 1442
 Delta R.T. 0.01 min
 Lab File: VY002063.D
 Acq: 25 Mar 2020 13:53

Tgt Ion:	69	Resp:	48314
Ion	Ratio	Lower	Upper
69	100		
41	65.3	49.9	74.9
39	33.4	23.0	34.6





#57

1,3-Dichloropropane

Concen: 21.071 ug/l

RT: 10.81 min Scan# 1488

Delta R.T. 0.01 min

Lab File: VY002063.D

Acq: 25 Mar 2020 13:53

Instrument :

MSVOA_Y

ClientSampleId :

VY0325SBS01

Tot Ion: 76 Resp: 57455

Ion Ratio Lower Upper

76 100

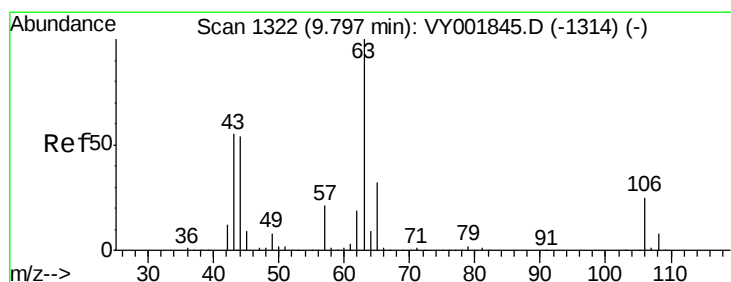
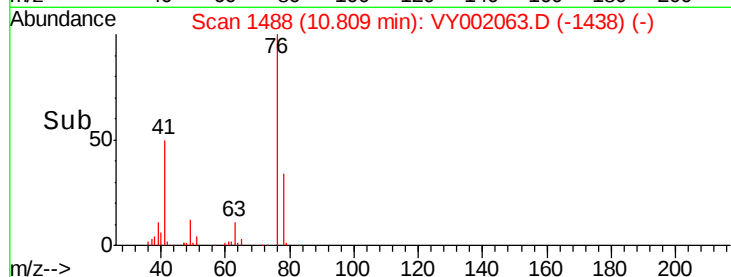
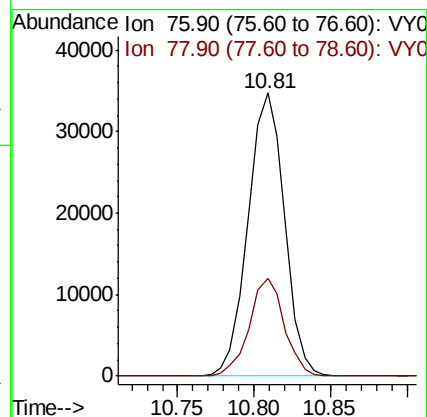
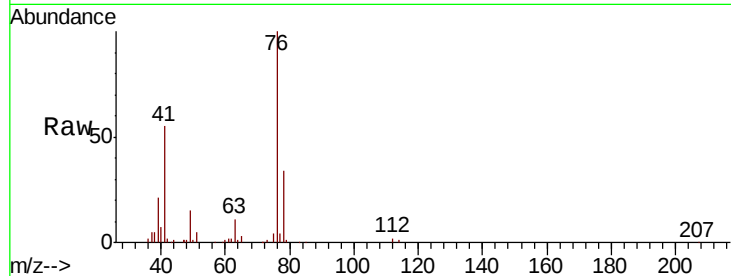
78 33.1 25.8 38.6

Manual Integrations

APPROVED

apatel

3/26/2020 10:59:01 AM



#58

2-Chloroethyl Vinyl ether

Concen: 154.557 ug/l

RT: 9.80 min Scan# 1323

Delta R.T. 0.01 min

Lab File: VY002063.D

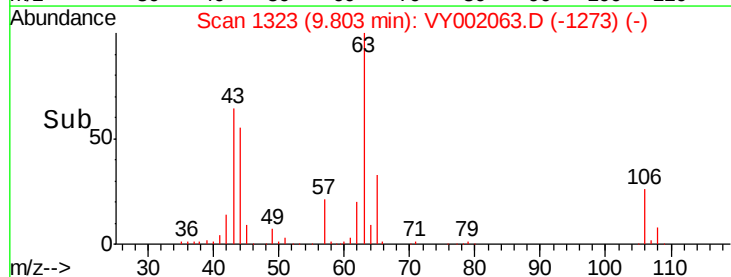
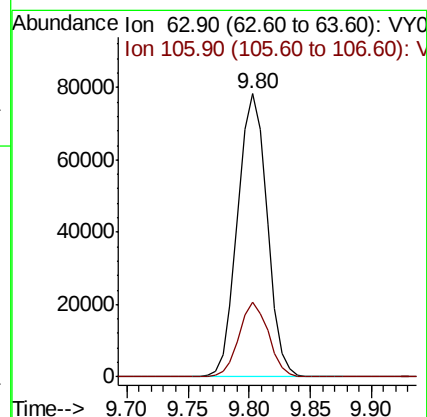
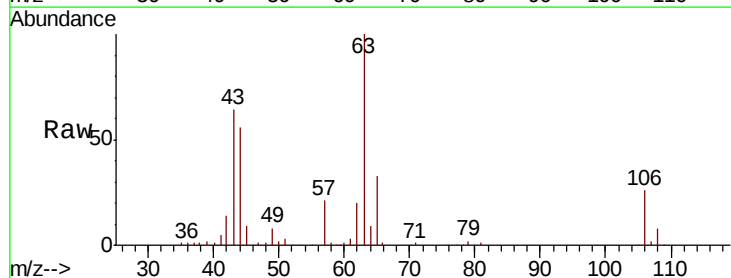
Acq: 25 Mar 2020 13:53

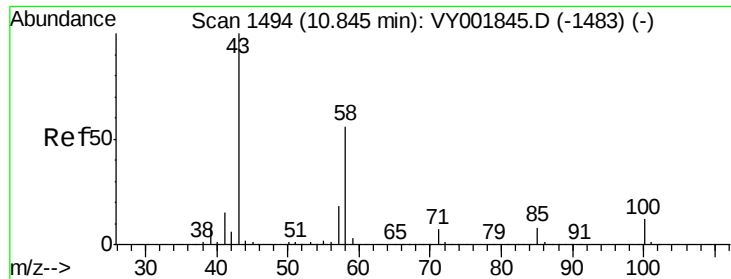
Tgt Ion: 63 Resp: 130764

Ion Ratio Lower Upper

63 100

106 26.2 21.3 31.9





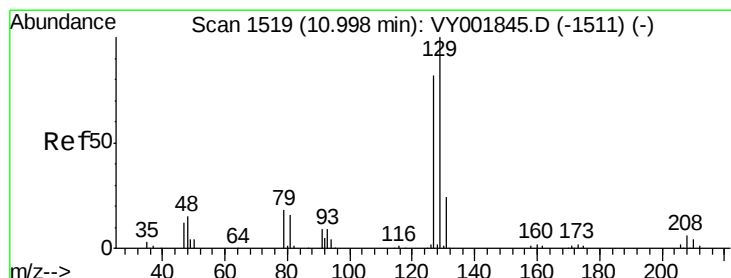
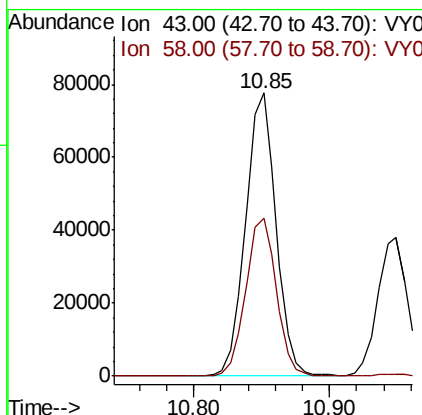
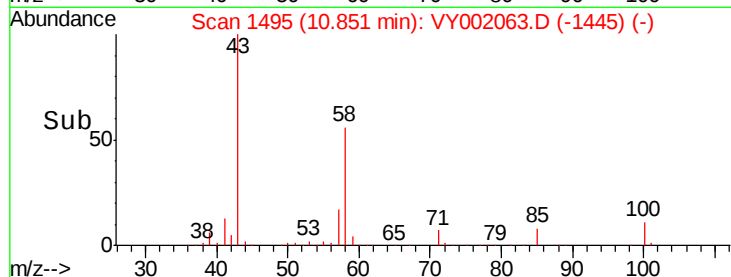
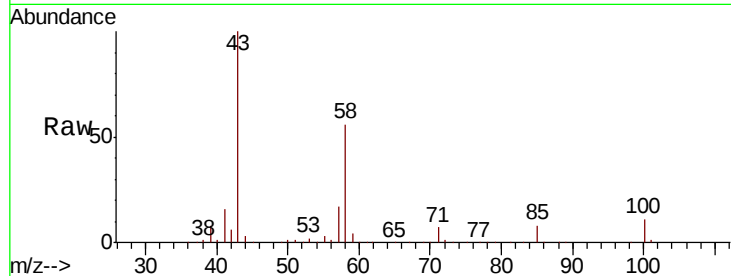
#59
2-Hexanone
Concen: 110.582 ug/l
RT: 10.85 min Scan# 1495
Delta R.T. 0.01 min
Lab File: VY002063.D
Acq: 25 Mar 2020 13:53

Instrument :
MSVOA_Y
ClientSampleId :
VY0325SBS01

Tot Ion: 43 Resp: 121778
Ion Ratio Lower Upper
43 100
58 56.3 28.1 84.3

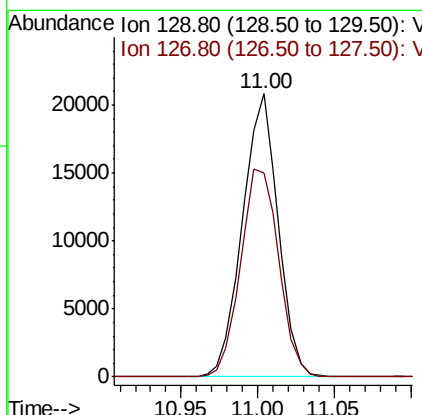
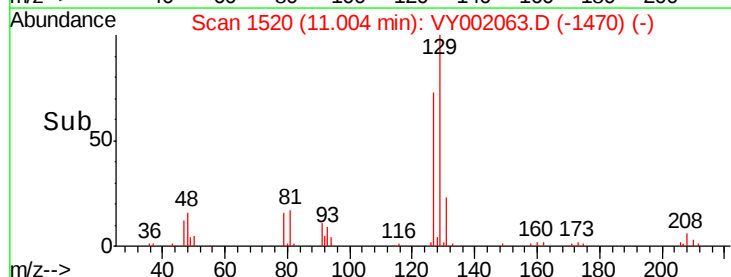
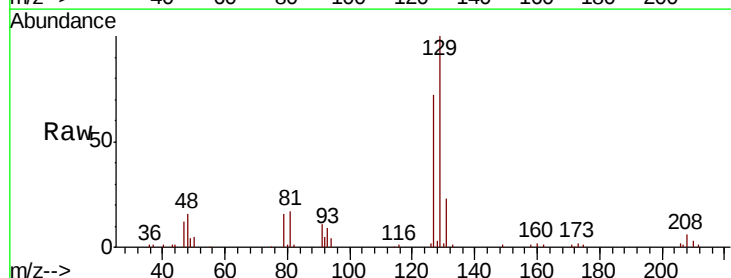
Manual Integrations
APPROVED

apatel
3/26/2020 10:59:01 AM



#60
Dibromochloromethane
Concen: 20.862 ug/l
RT: 11.00 min Scan# 1520
Delta R.T. 0.01 min
Lab File: VY002063.D
Acq: 25 Mar 2020 13:53

Tgt Ion: 129 Resp: 33628
Ion Ratio Lower Upper
129 100
127 78.9 39.0 117.0





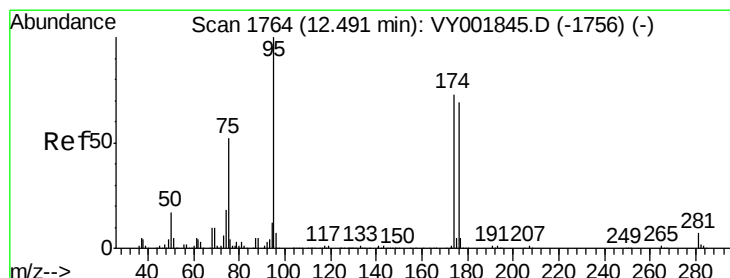
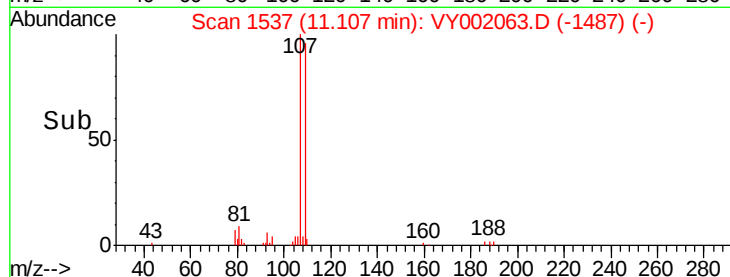
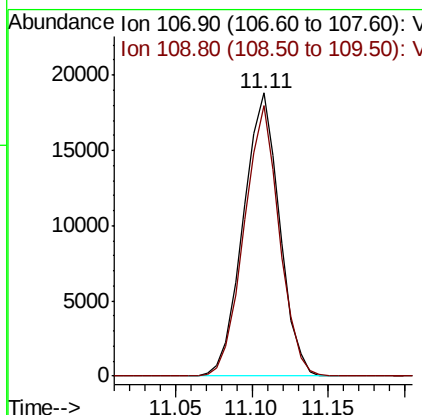
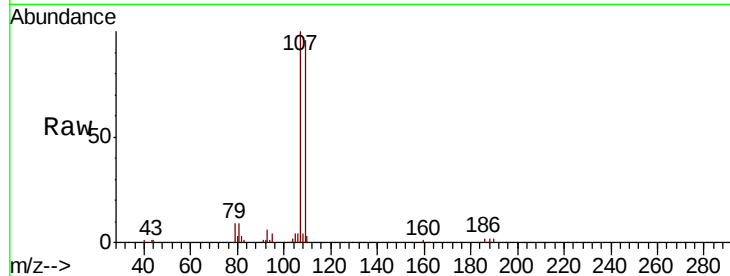
#61
 1,2-Dibromoethane
 Concen: 21.363 ug/l
 RT: 11.11 min Scan# 1537
 Delta R.T. 0.01 min
 Lab File: VY002063.D
 Acq: 25 Mar 2020 13:53

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0325SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.8	75.4	113.0

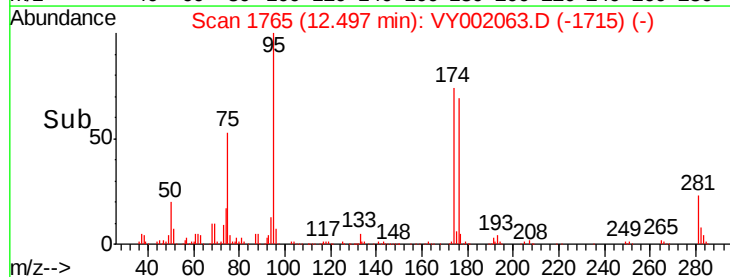
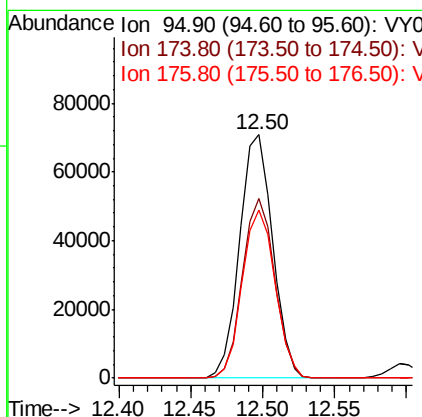
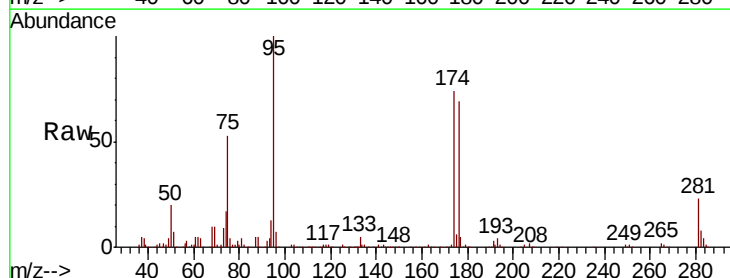
Manual Integrations
 APPROVED

apatel
 3/26/2020 10:59:01 AM



#62
 4-Bromofluorobenzene
 Concen: 49.696 ug/l
 RT: 12.50 min Scan# 1765
 Delta R.T. 0.01 min
 Lab File: VY002063.D
 Acq: 25 Mar 2020 13:53

Tgt Ion	Ratio	Lower	Upper
95	100		
174	72.1	0.0	145.0
176	68.8	0.0	137.4





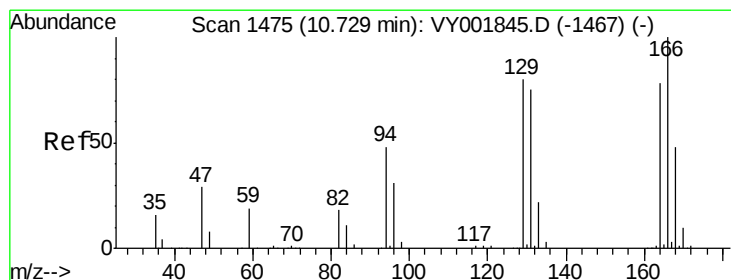
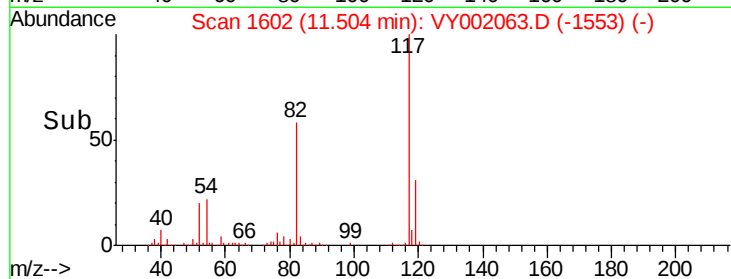
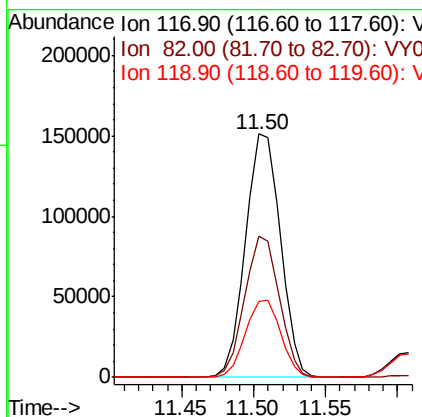
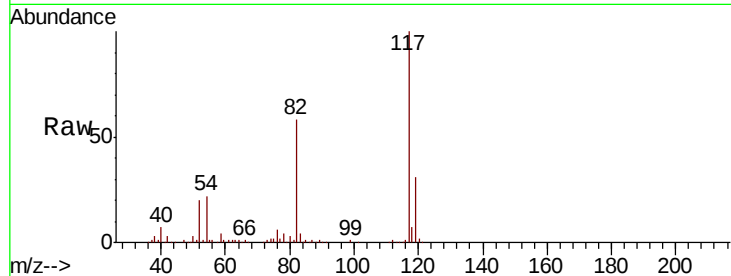
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.00 min
Lab File: VY002063.D
Acq: 25 Mar 2020 13:53

Instrument :
MSVOA_Y
ClientSampleId :
VY0325SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.0	44.5	66.7
119	31.3	25.7	38.5

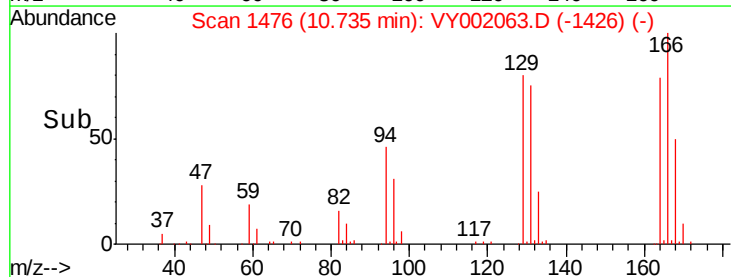
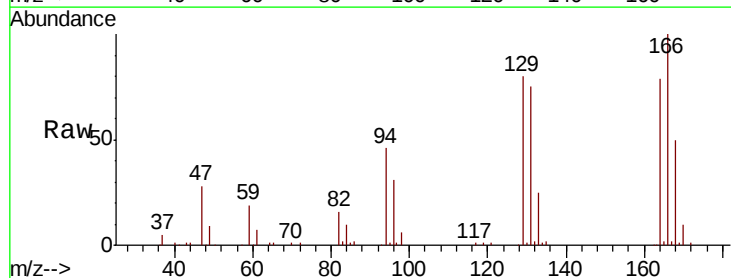
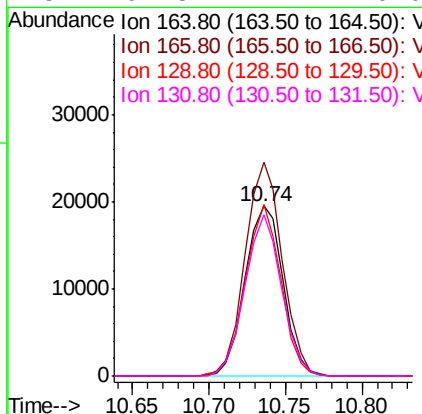
Manual Integrations
APPROVED

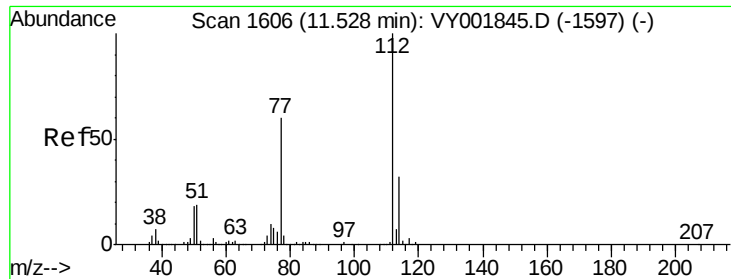
apatel
3/26/2020 10:59:01 AM



#64
Tetrachloroethene
Concen: 21.063 ug/l
RT: 10.74 min Scan# 1476
Delta R.T. 0.01 min
Lab File: VY002063.D
Acq: 25 Mar 2020 13:53

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.9	102.6	154.0
129	100.8	82.3	123.5
131	94.8	77.4	116.0





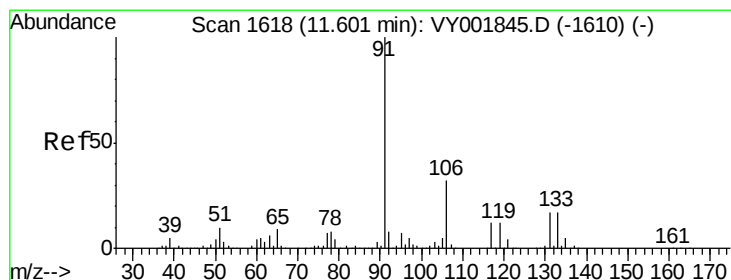
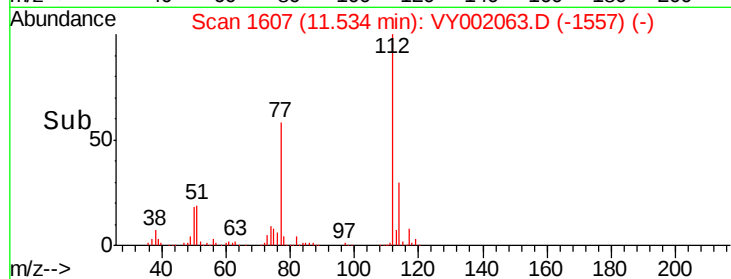
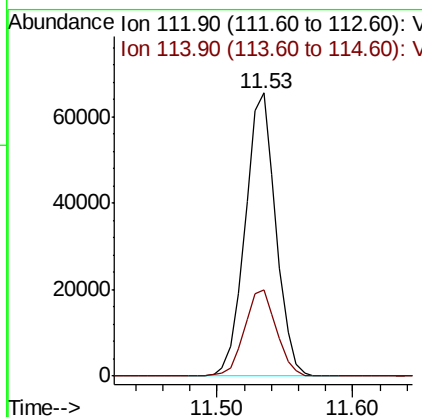
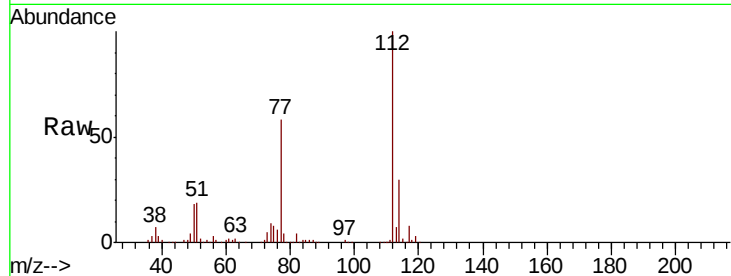
#65
Chlorobenzene
Concen: 20.269 ug/l
RT: 11.53 min Scan# 1607
Delta R.T. 0.01 min
Lab File: VY002063.D
Acq: 25 Mar 2020 13:53

Instrument :
MSVOA_Y
ClientSampleId :
VY0325SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	30.4	25.9	38.9

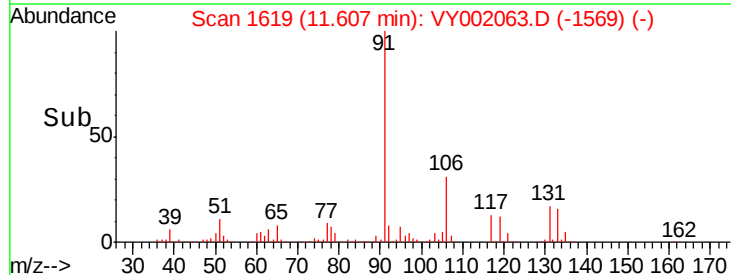
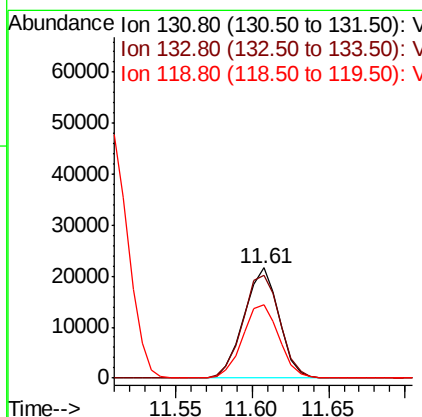
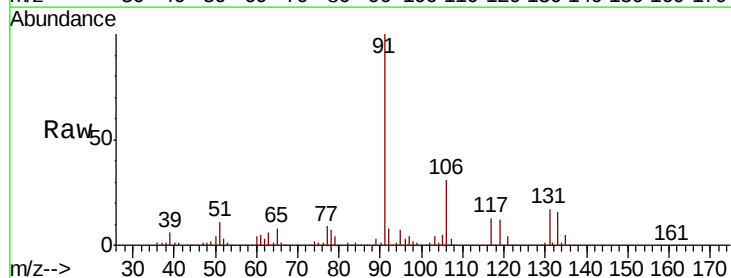
Manual Integrations
APPROVED

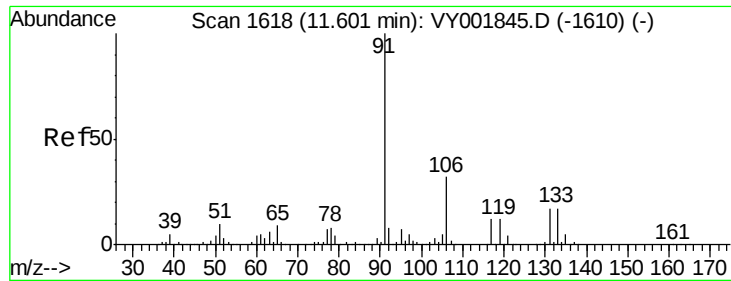
apatel
3/26/2020 10:59:01 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.691 ug/l
RT: 11.61 min Scan# 1619
Delta R.T. 0.01 min
Lab File: VY002063.D
Acq: 25 Mar 2020 13:53

Tgt Ion	Ratio	Lower	Upper
131	100		
133	99.1	47.1	141.3
119	69.1	34.5	103.6





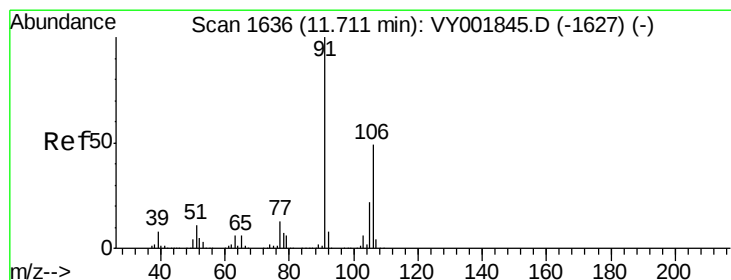
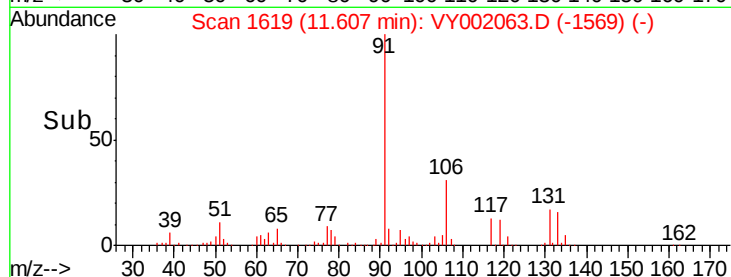
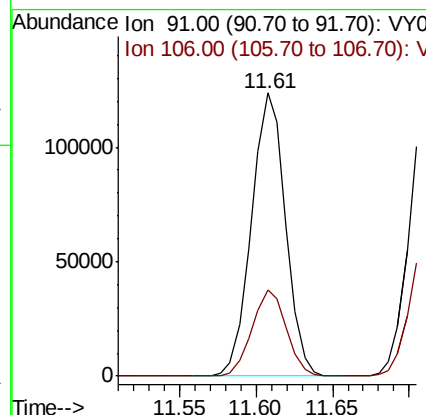
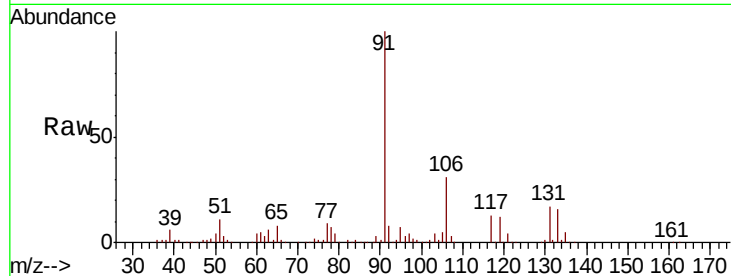
#67
Ethyl Benzene
Concen: 20.246 ug/l
RT: 11.61 min Scan# 1619
Delta R.T. 0.01 min
Lab File: VY002063.D
Acq: 25 Mar 2020 13:53

Instrument :
MSVOA_Y
ClientSampleId :
VY0325SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
106	30.5	25.4	38.2

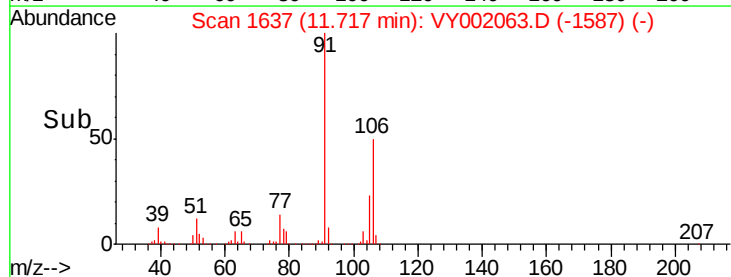
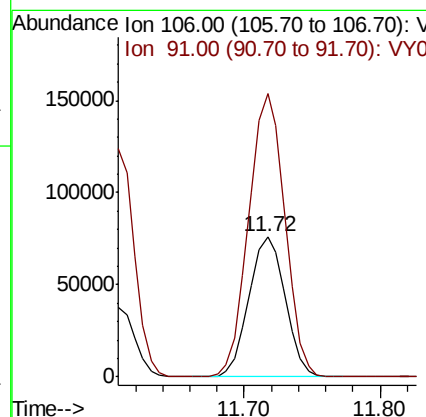
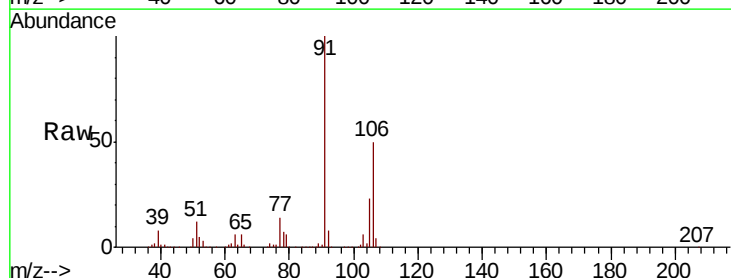
Manual Integrations
APPROVED

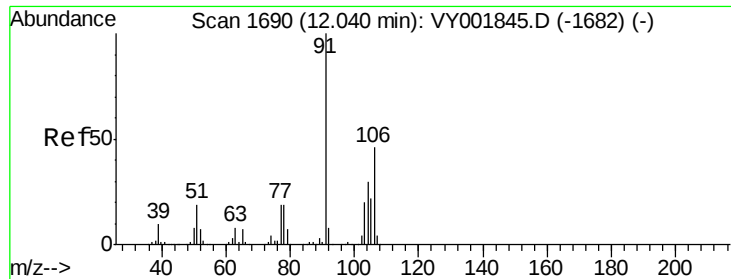
apatel
3/26/2020 10:59:01 AM



#68
m/p-Xylenes
Concen: 40.732 ug/l
RT: 11.72 min Scan# 1637
Delta R.T. 0.01 min
Lab File: VY002063.D
Acq: 25 Mar 2020 13:53

Tgt Ion	Ratio	Lower	Upper
106	100		
91	201.8	161.3	241.9





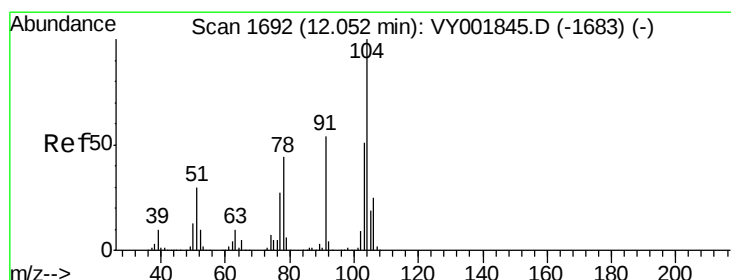
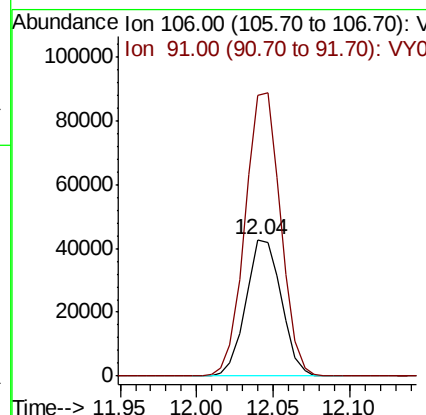
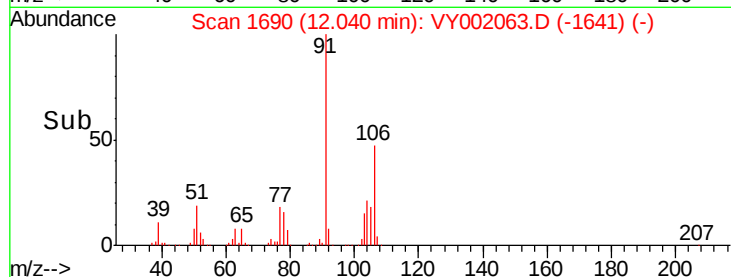
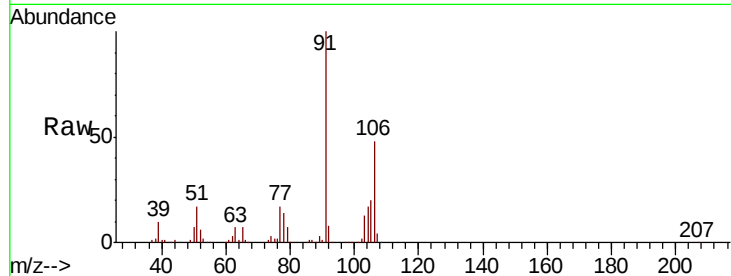
#69
o-Xylene
Concen: 20.899 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VY002063.D
Acq: 25 Mar 2020 13:53

Instrument :
MSVOA_Y
ClientSampleId :
VY0325SBS01

Tot Ion:106 Resp: 68820
Ion Ratio Lower Upper
106 100
91 208.0 106.8 320.4

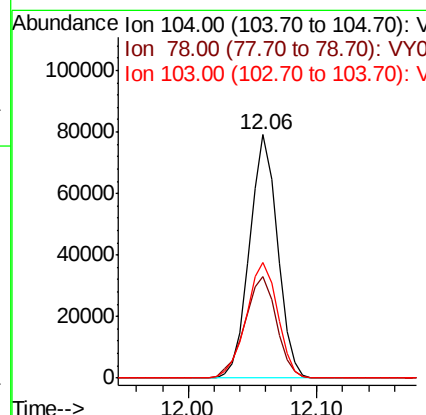
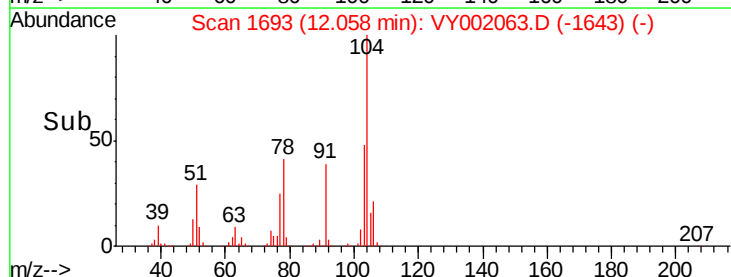
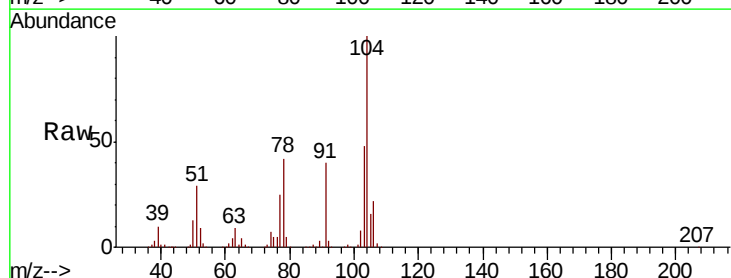
Manual Integrations
APPROVED

apatel
3/26/2020 10:59:01 AM



#70
Styrene
Concen: 20.933 ug/l
RT: 12.06 min Scan# 1693
Delta R.T. 0.01 min
Lab File: VY002063.D
Acq: 25 Mar 2020 13:53

Tgt Ion:104 Resp: 118066
Ion Ratio Lower Upper
104 100
78 47.4 38.5 57.7
103 53.6 42.9 64.3





#71

Bromoform

Concen: 21.493 ug/l

RT: 12.22 min Scan# 1720

Delta R.T. 0.00 min

Lab File: VY002063.D

Acq: 25 Mar 2020 13:53

Instrument :

MSVOA_Y

ClientSampleId :

VY0325SBS01

Tot Ion:173 Resp: 19369

Ion Ratio Lower Upper

173 100

175 47.8 24.3 72.8

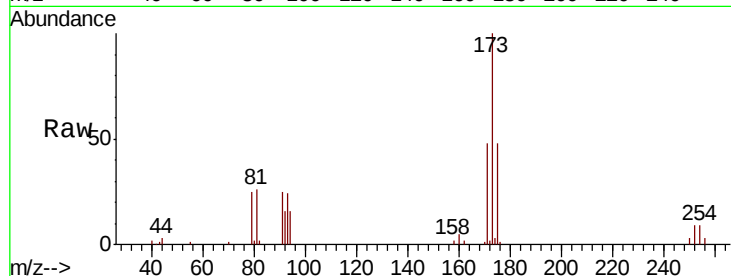
254 0.0 0.0 0.0

Manual Integrations

APPROVED

apatel

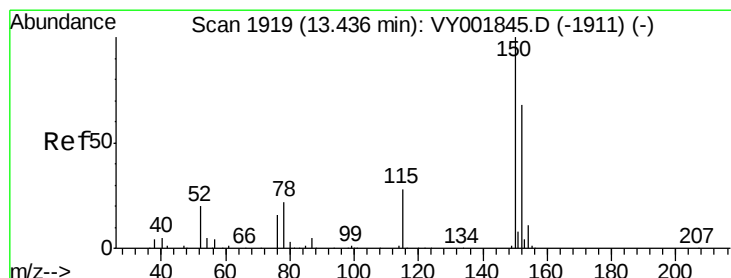
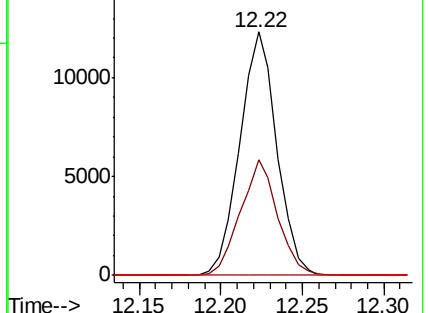
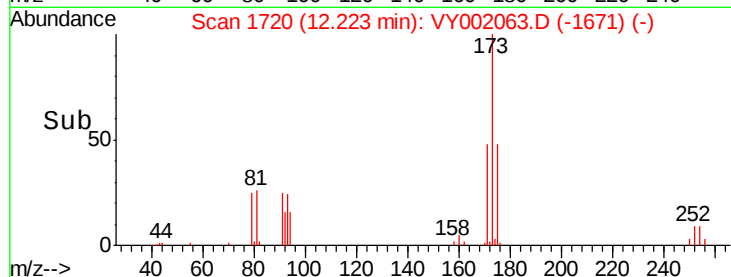
3/26/2020 10:59:01 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.44 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VY002063.D

Acq: 25 Mar 2020 13:53

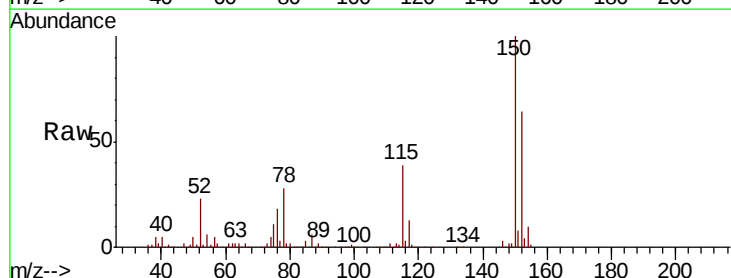
Tgt Ion:152 Resp: 121697

Ion Ratio Lower Upper

152 100

115 61.2 29.9 89.7

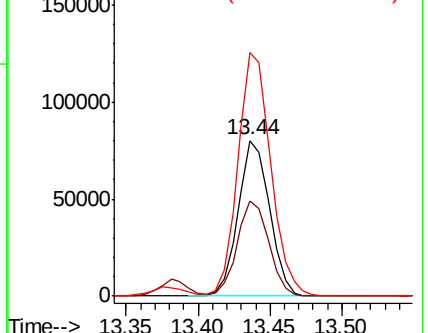
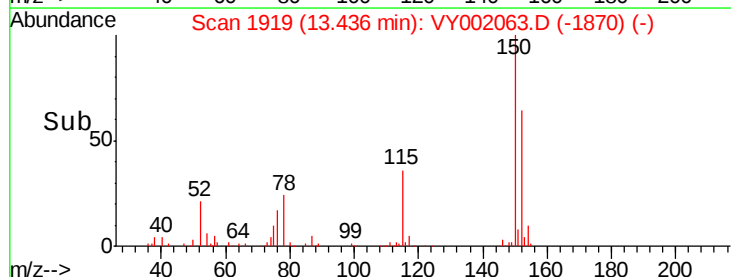
150 163.5 0.0 340.6



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.402 ug/l

RT: 12.34 min Scan# 1740

Delta R.T. 0.01 min

Lab File: VY002063.D

Acq: 25 Mar 2020 13:53

Instrument :

MSVOA_Y

ClientSampleId :

VY0325SBS01

Tot Ion: 105 Resp: 180247

Ion Ratio Lower Upper

105 100

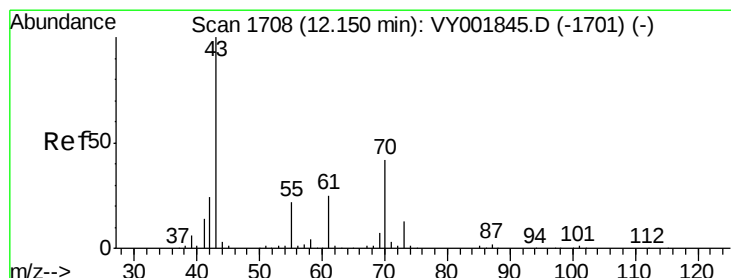
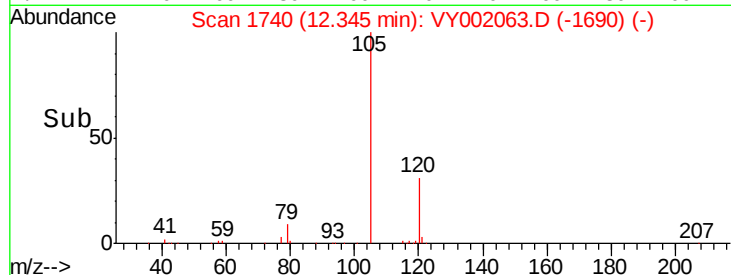
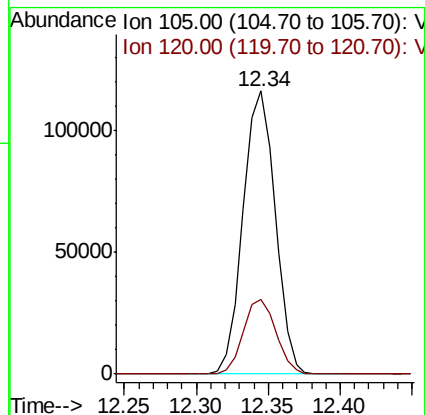
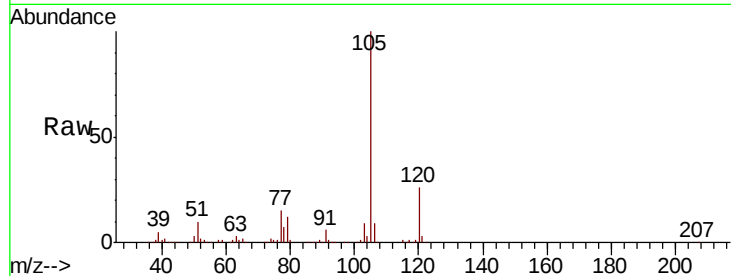
120 26.8 13.1 39.3

Manual Integrations

APPROVED

apatel

3/26/2020 10:59:01 AM



#74

N-ethyl acetate

Concen: 21.233 ug/l

RT: 12.16 min Scan# 1709

Delta R.T. 0.01 min

Lab File: VY002063.D

Acq: 25 Mar 2020 13:53

Tgt Ion: 43 Resp: 60625

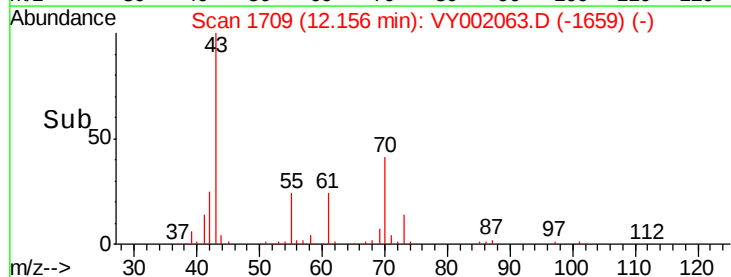
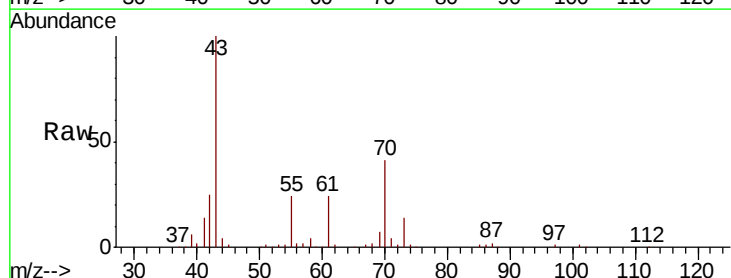
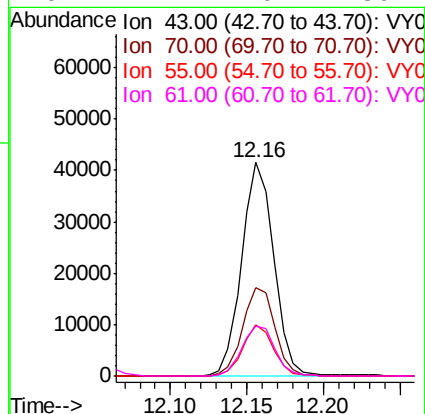
Ion Ratio Lower Upper

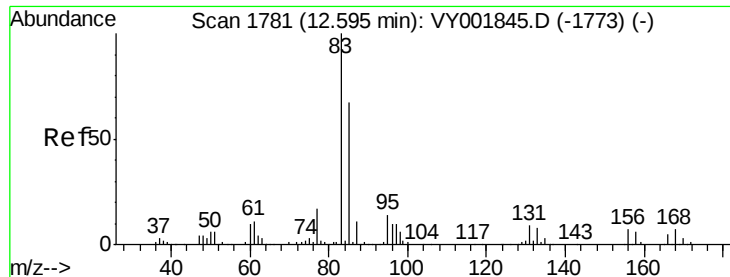
43 100

70 41.8 34.7 52.1

55 23.0 18.2 27.4

61 24.1 20.1 30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 20.405 ug/l

RT: 12.59 min Scan# 1781

Delta R.T. 0.00 min

Lab File: VY002063.D

Acq: 25 Mar 2020 13:53

Instrument :

MSVOA_Y

ClientSampleId :

VY0325SBS01

Tot Ion: 83 Resp: 40878

Ion Ratio Lower Upper

83 100

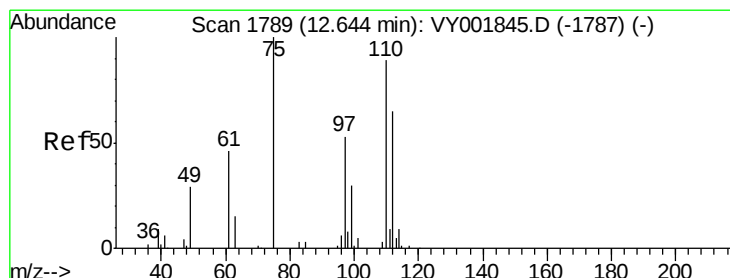
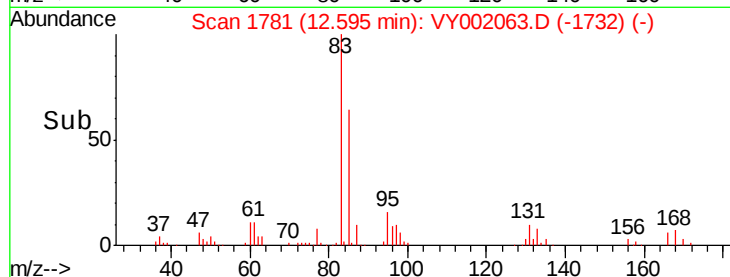
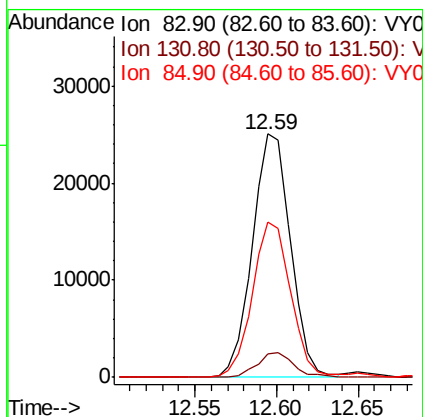
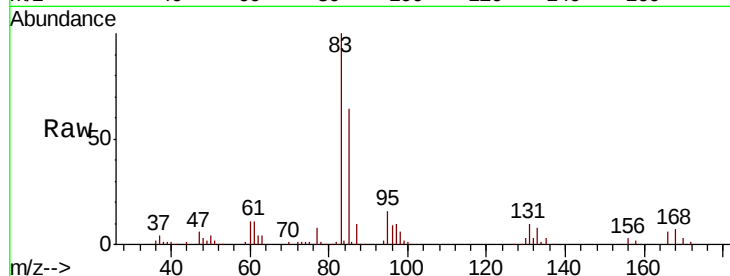
131 9.7 4.6 13.8

85 64.0 32.1 96.3

Manual Integrations
APPROVED

apatel

3/26/2020 10:59:01 AM



#76

1,2,3-Trichloropropane

Concen: 18.146 ug/l m

RT: 12.65 min Scan# 1790

Delta R.T. 0.01 min

Lab File: VY002063.D

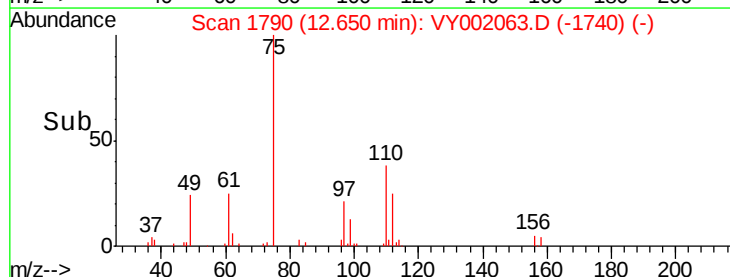
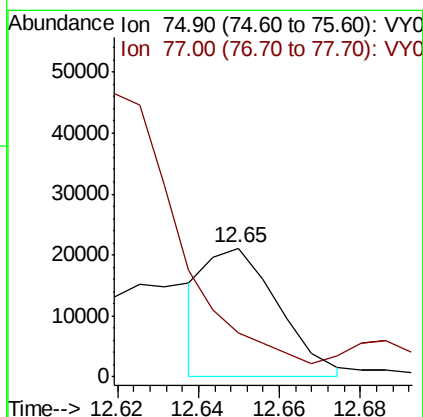
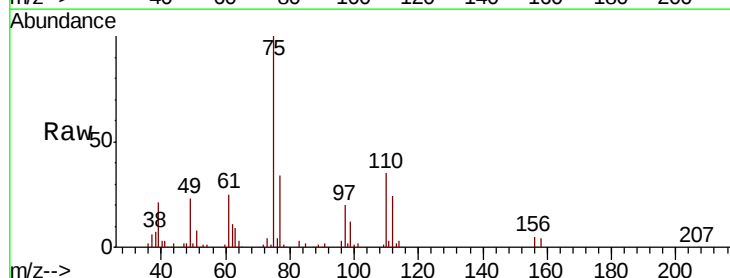
Acq: 25 Mar 2020 13:53

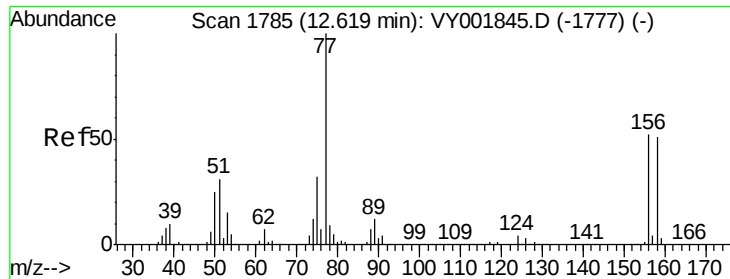
Tgt Ion: 75 Resp: 26203

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 20.090 ug/l

RT: 12.63 min Scan# 1786

Delta R.T. 0.01 min

Lab File: VY002063.D

Acq: 25 Mar 2020 13:53

Instrument :

MSVOA_Y

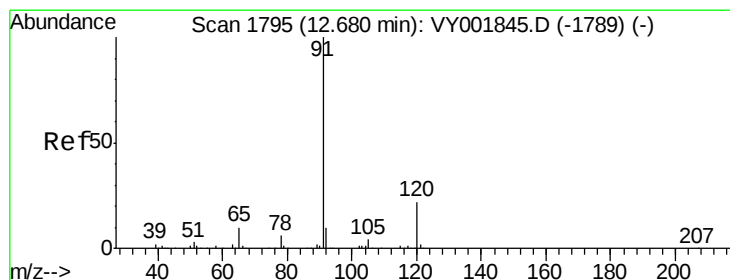
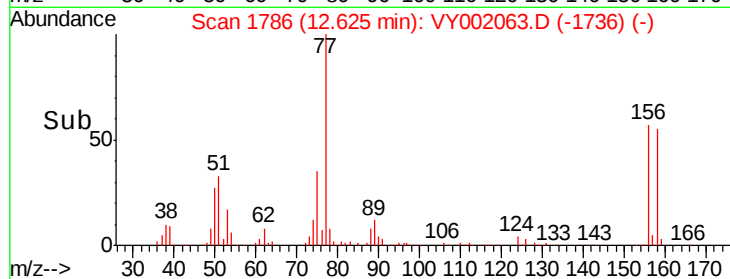
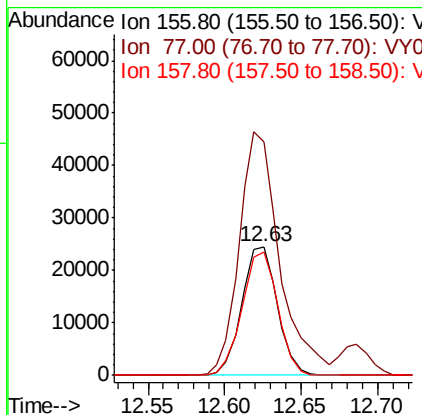
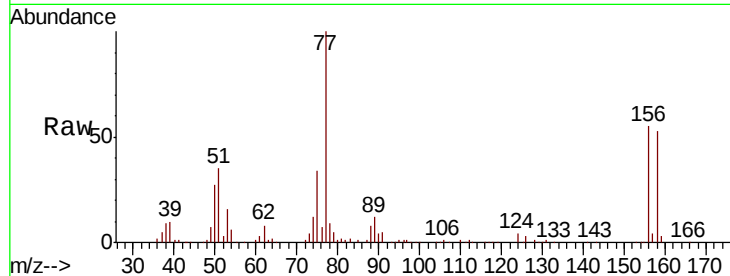
ClientSampleId :

VY0325SBS01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	215.8	109.0	327.0	
158	96.4	48.9	146.8	

Manual Integrations
APPROVED

apatel
3/26/2020 10:59:01 AM



#78

n-propylbenzene

Concen: 19.678 ug/l

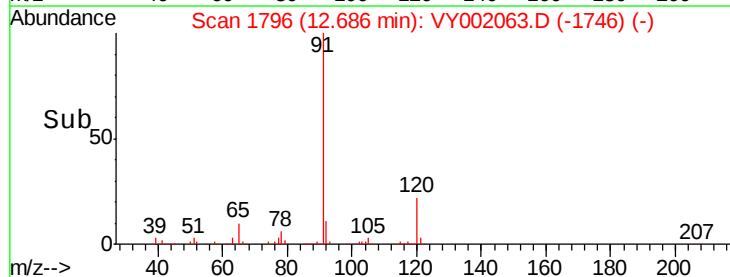
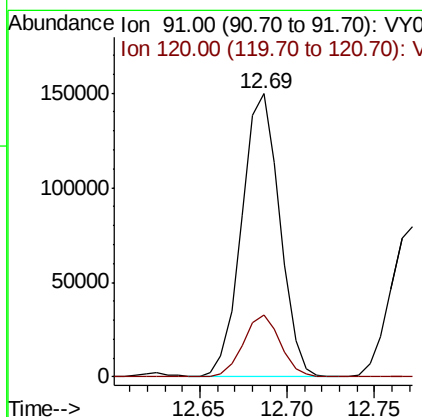
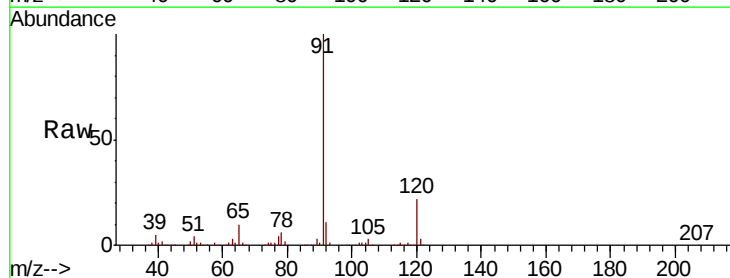
RT: 12.69 min Scan# 1796

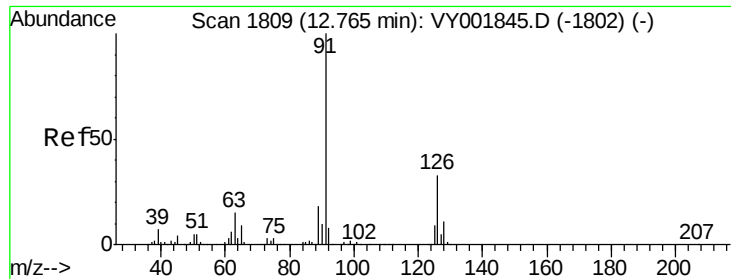
Delta R.T. 0.01 min

Lab File: VY002063.D

Acq: 25 Mar 2020 13:53

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	21.4	11.0	33.0	





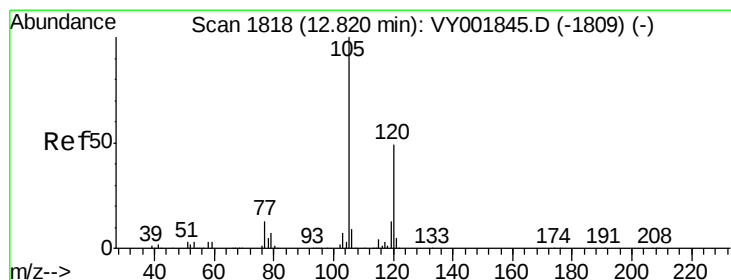
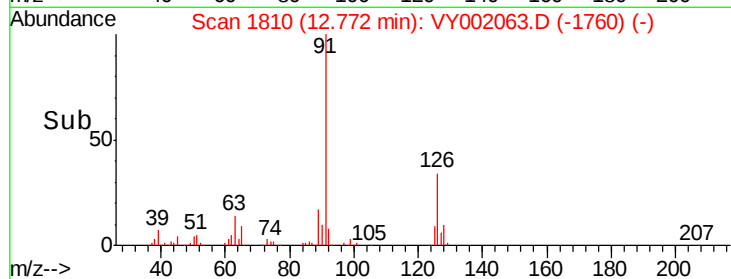
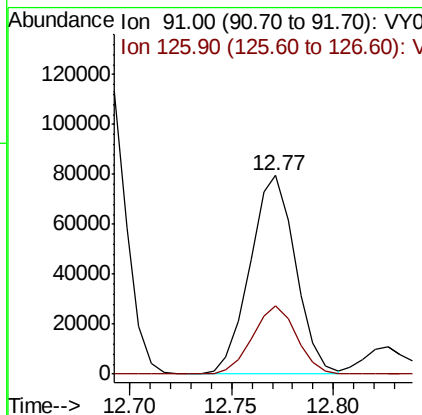
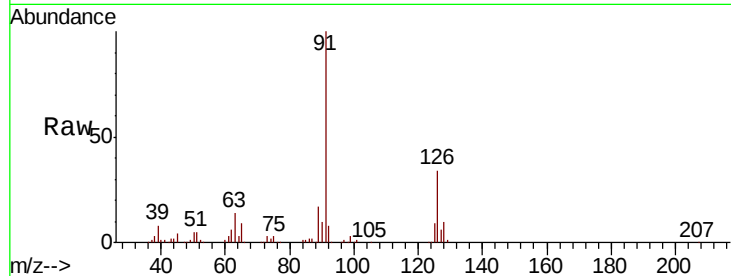
#79
 2-Chlorotoluene
 Concen: 19.506 ug/l
 RT: 12.77 min Scan# 1810
 Delta R.T. 0.01 min
 Lab File: VY002063.D
 Acq: 25 Mar 2020 13:53

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0325SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
126	33.3	16.3	48.8

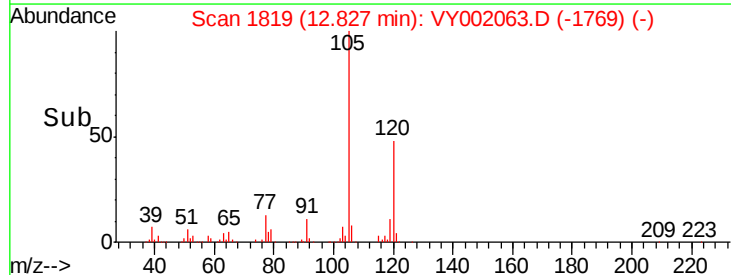
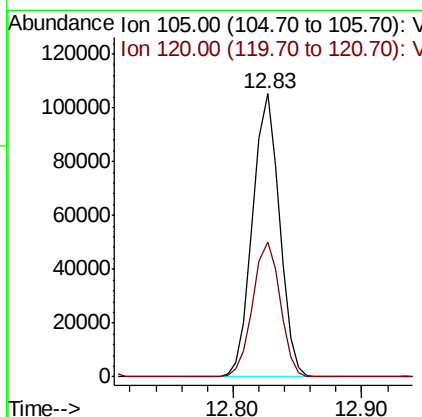
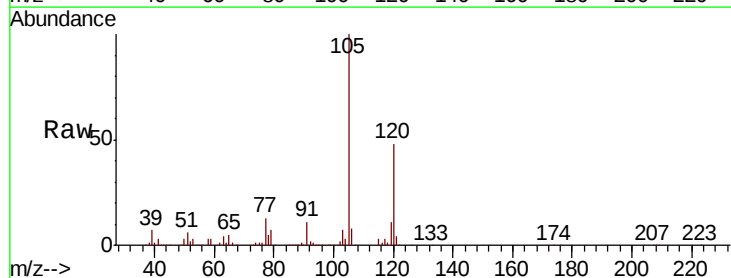
Manual Integrations
 APPROVED

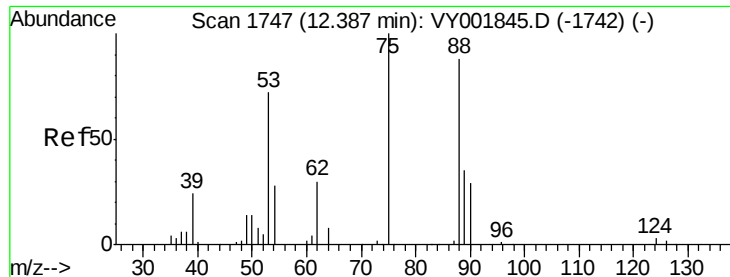
apatel
 3/26/2020 10:59:01 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 19.783 ug/l
 RT: 12.83 min Scan# 1819
 Delta R.T. 0.01 min
 Lab File: VY002063.D
 Acq: 25 Mar 2020 13:53

Tgt Ion	Ratio	Lower	Upper
105	100		
120	48.5	24.4	73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 20.113 ug/l

RT: 12.39 min Scan# 1748

Delta R.T. 0.01 min

Lab File: VY002063.D

Acq: 25 Mar 2020 13:53

Instrument :

MSVOA_Y

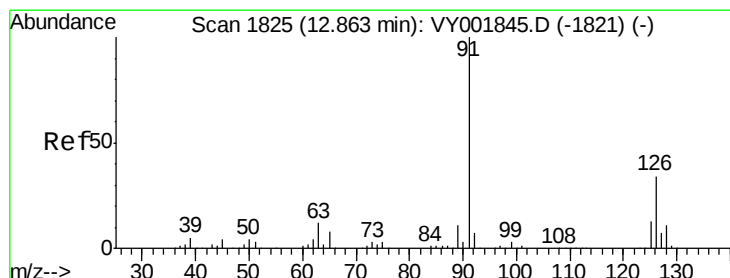
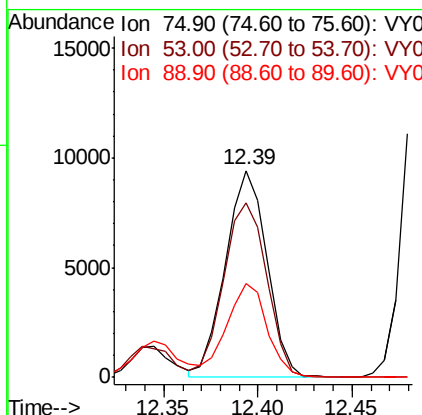
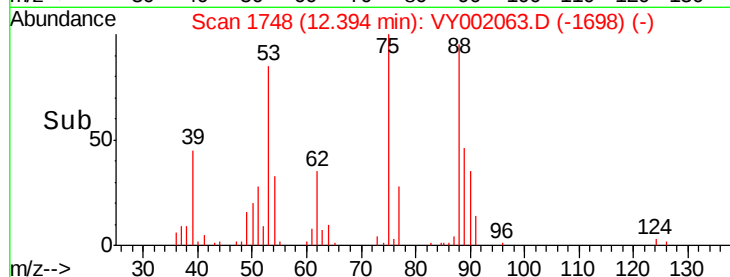
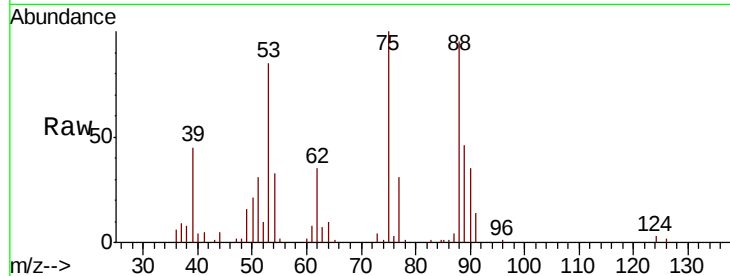
ClientSampleId :

VY0325SBS01

Tot Ion:	75	Resp:	14378
Ion Ratio	Lower	Upper	
75	100		
53	88.3	65.4	98.0
89	44.0	36.0	54.0

Manual Integrations
APPROVED

apatel
3/26/2020 10:59:01 AM



#82

4-Chlorotoluene

Concen: 19.957 ug/l

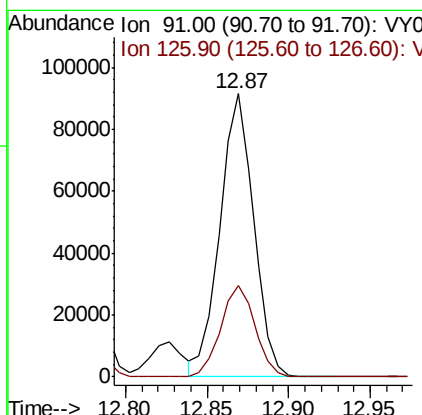
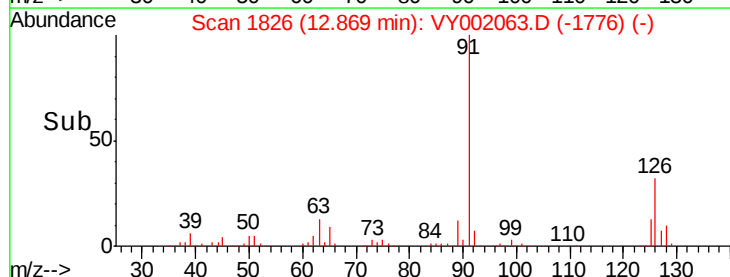
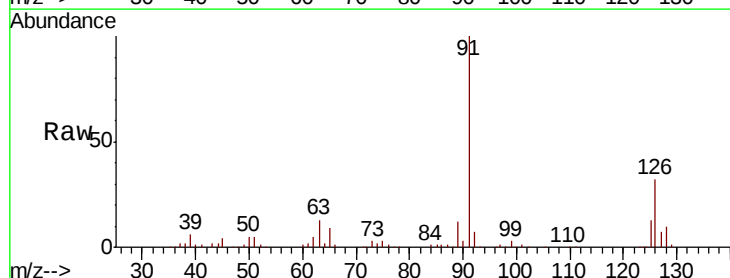
RT: 12.87 min Scan# 1826

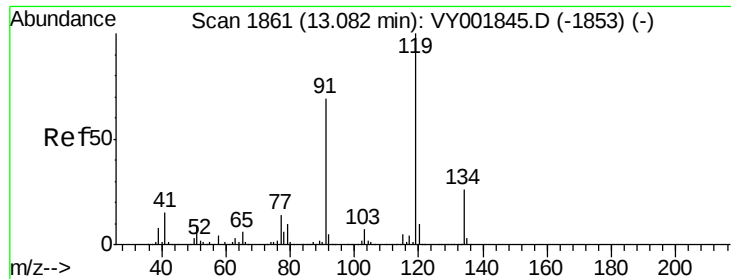
Delta R.T. 0.01 min

Lab File: VY002063.D

Acq: 25 Mar 2020 13:53

Tgt Ion:	91	Resp:	131574
Ion Ratio	Lower	Upper	
91	100		
126	33.0	16.4	49.2





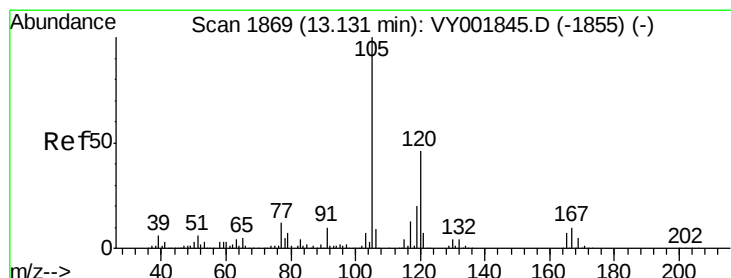
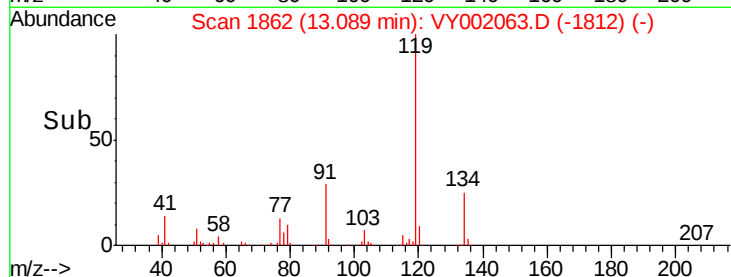
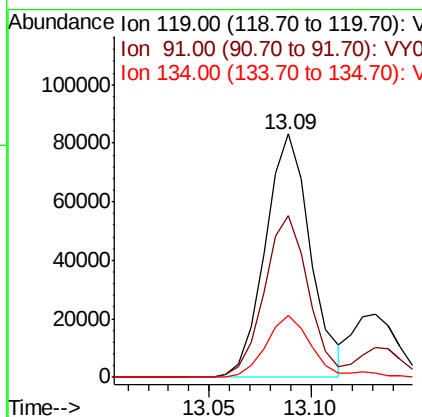
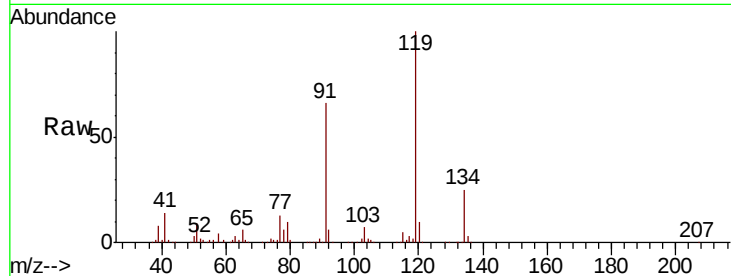
#83
tert-Butylbenzene
Concen: 20.195 ug/l
RT: 13.09 min Scan# 1862
Delta R.T. 0.01 min
Lab File: VY002063.D
Acq: 25 Mar 2020 13:53

Instrument :
MSVOA_Y
ClientSampleId :
VY0325SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	128283		
91	64.8	34.0	101.8	
134	26.3	13.5	40.4	

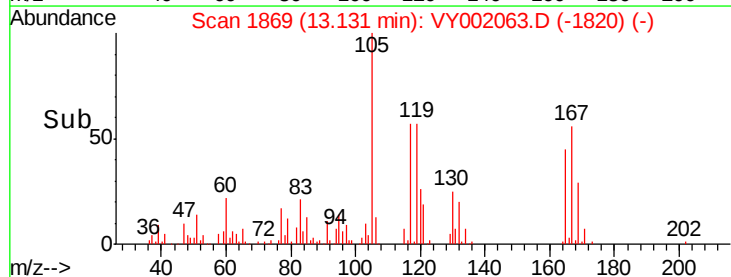
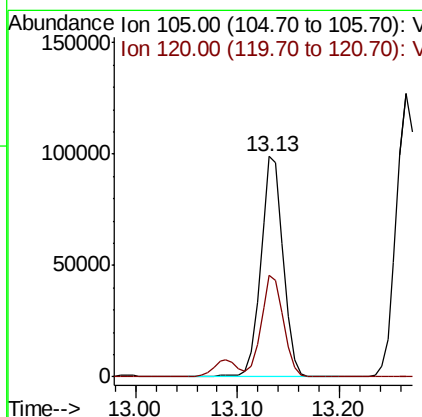
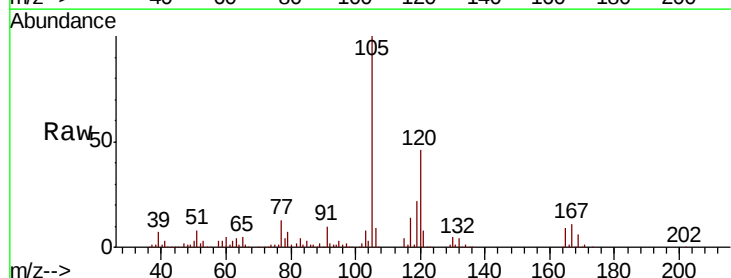
Manual Integrations
APPROVED

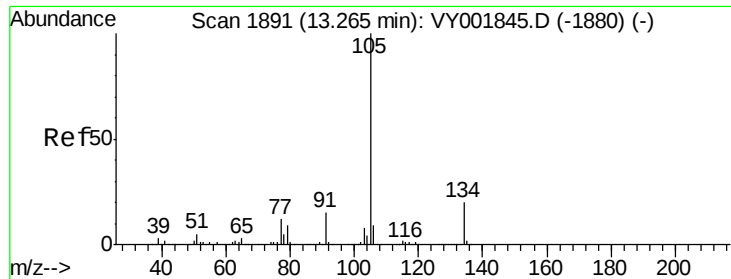
apatel
3/26/2020 10:59:01 AM



#84
1,2,4-Trimethylbenzene
Concen: 19.854 ug/l
RT: 13.13 min Scan# 1869
Delta R.T. 0.00 min
Lab File: VY002063.D
Acq: 25 Mar 2020 13:53

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	150693		
120	45.3	22.6	67.7	





#85

sec-Butylbenzene

Concen: 20.131 ug/l

RT: 13.27 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VY002063.D

Acq: 25 Mar 2020 13:53

Instrument :

MSVOA_Y

ClientSampleId :

VY0325SBS01

Tot Ion:105 Resp: 188489

Ion Ratio Lower Upper

105 100

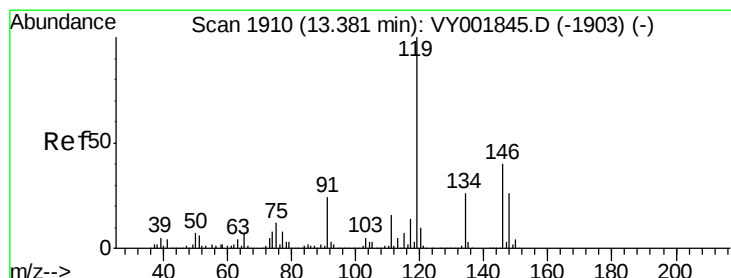
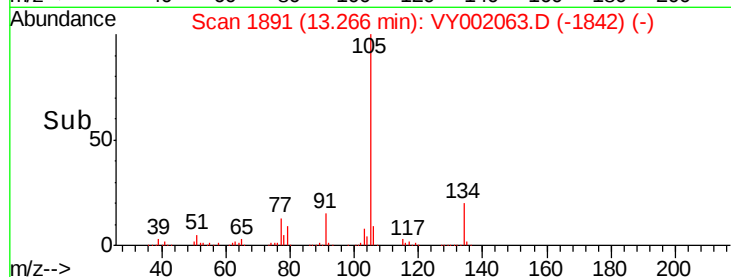
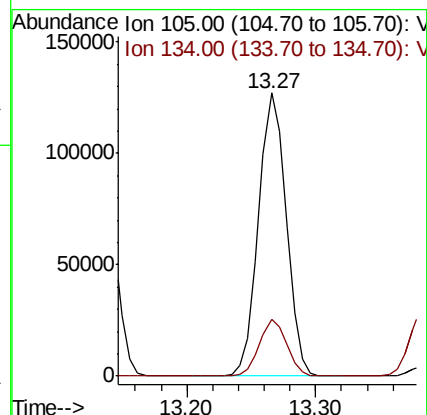
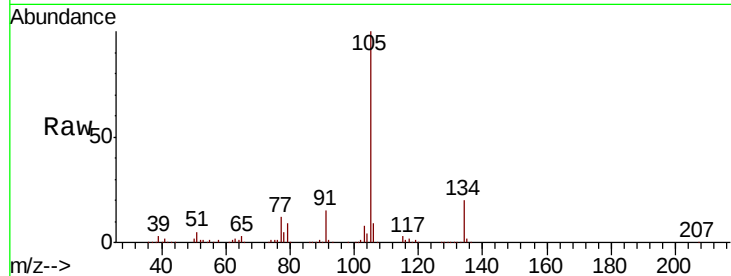
134 19.8 9.7 29.1

Manual Integrations

APPROVED

apatel

3/26/2020 10:59:01 AM



#86

p-Isopropyltoluene

Concen: 20.396 ug/l

RT: 13.38 min Scan# 1910

Delta R.T. 0.00 min

Lab File: VY002063.D

Acq: 25 Mar 2020 13:53

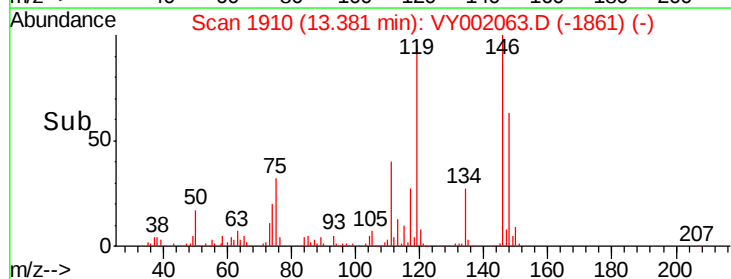
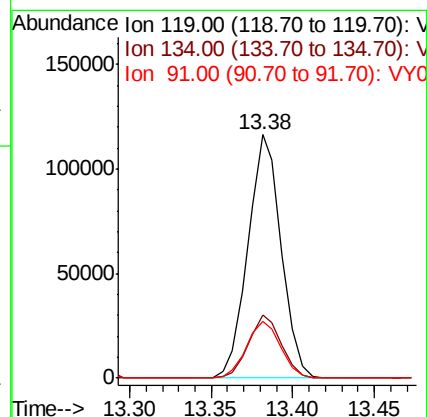
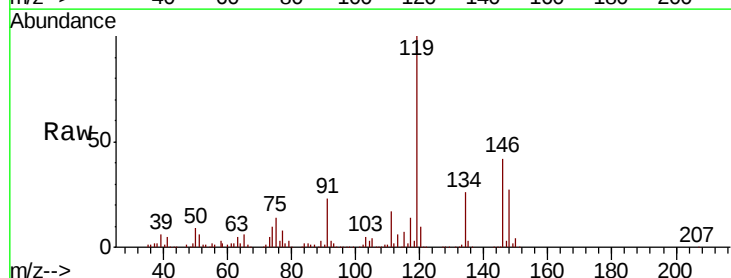
Tgt Ion:119 Resp: 164736

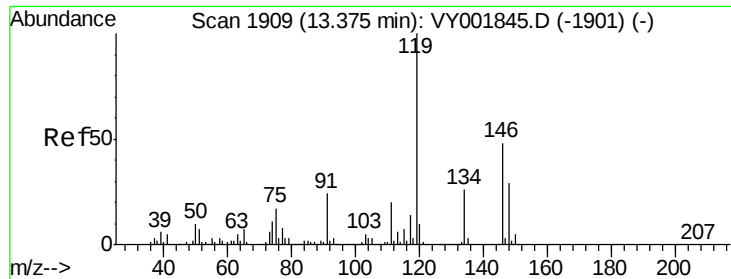
Ion Ratio Lower Upper

119 100

134 25.8 13.1 39.3

91 23.9 11.9 35.7





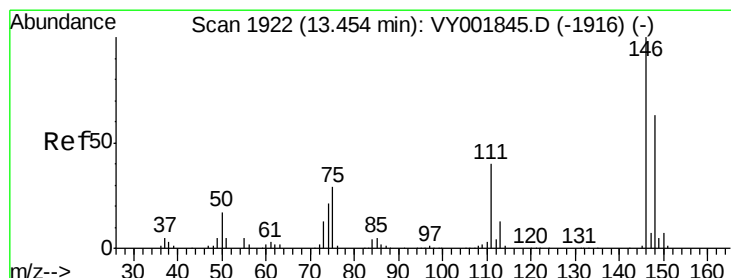
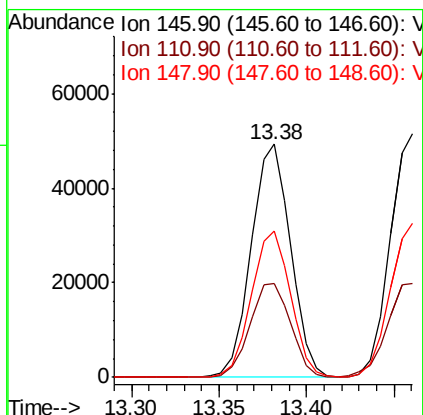
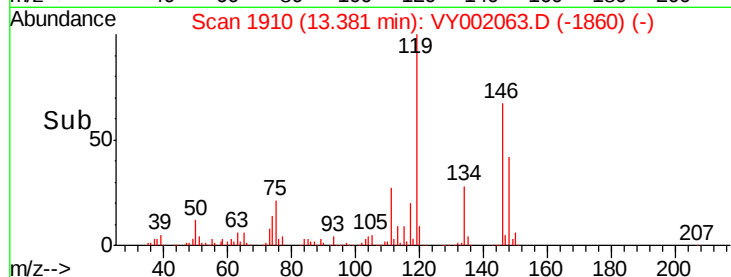
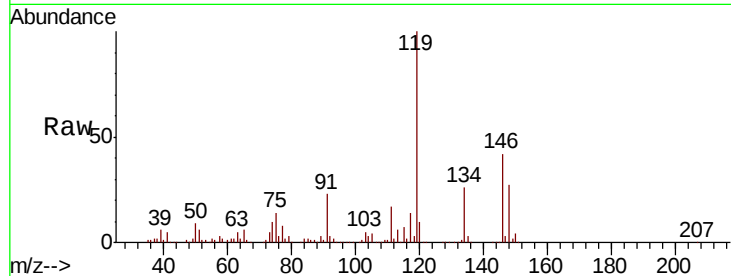
#87
 1,3-Dichlorobenzene
 Concen: 19.983 ug/l
 RT: 13.38 min Scan# 1910
 Delta R.T. 0.01 min
 Lab File: VY002063.D
 Acq: 25 Mar 2020 13:53

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0325SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.8	62.5
148	62.5	31.4	94.0

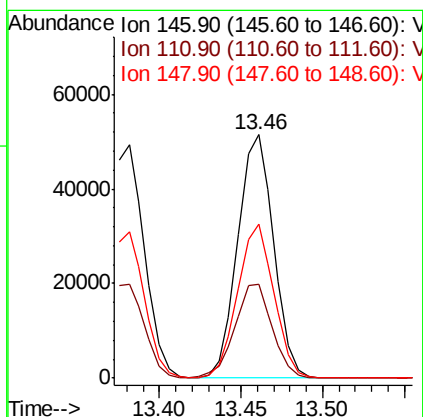
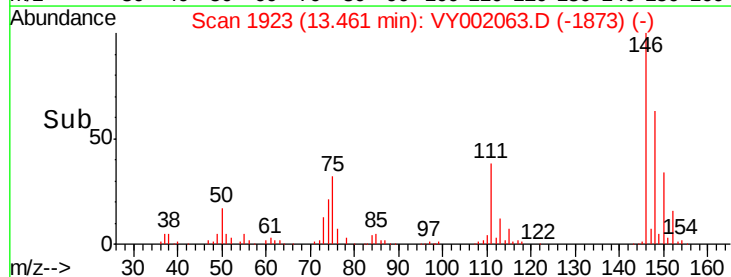
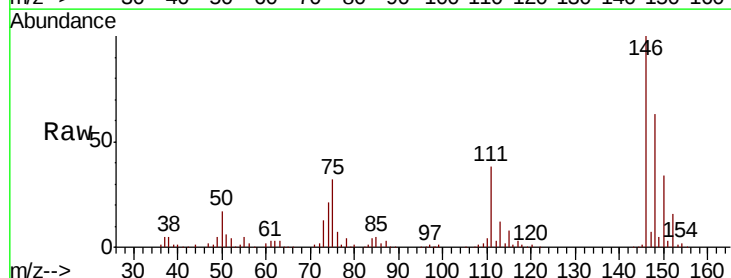
Manual Integrations
 APPROVED

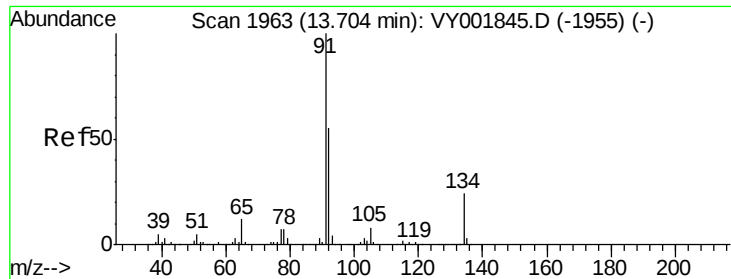
apatel
 3/26/2020 10:59:01 AM



#88
 1,4-Dichlorobenzene
 Concen: 20.207 ug/l
 RT: 13.46 min Scan# 1923
 Delta R.T. 0.01 min
 Lab File: VY002063.D
 Acq: 25 Mar 2020 13:53

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.0	60.0
148	63.8	31.5	94.5





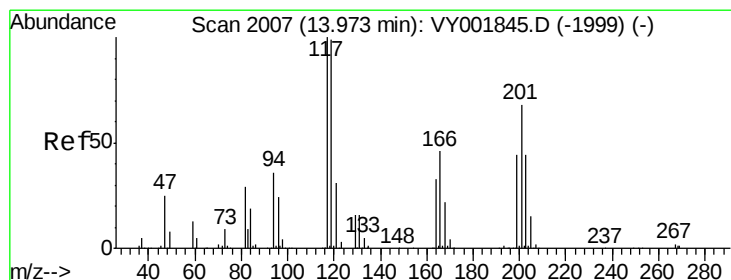
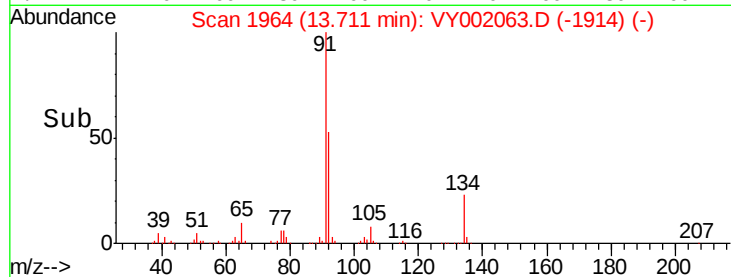
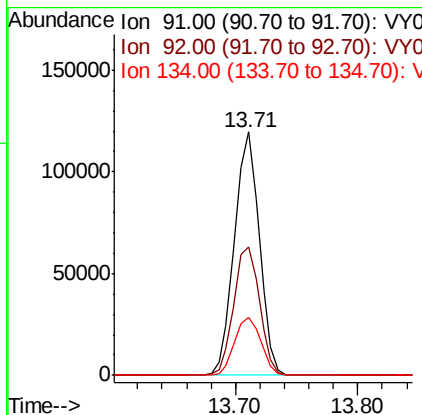
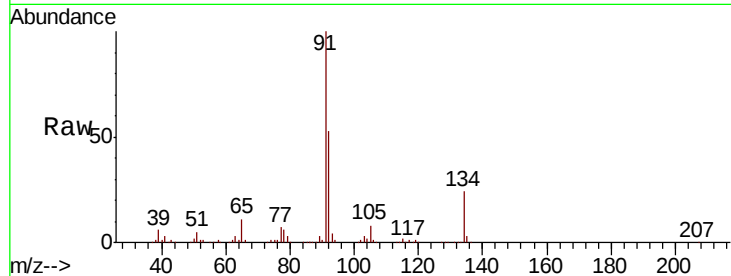
#89
n-Butylbenzene
Concen: 20.073 ug/l
RT: 13.71 min Scan# 1964
Delta R.T. 0.01 min
Lab File: VY002063.D
Acq: 25 Mar 2020 13:53

Instrument :
MSVOA_Y
ClientSampleId :
VY0325SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.6	27.5	82.4
134	25.1	12.5	37.5

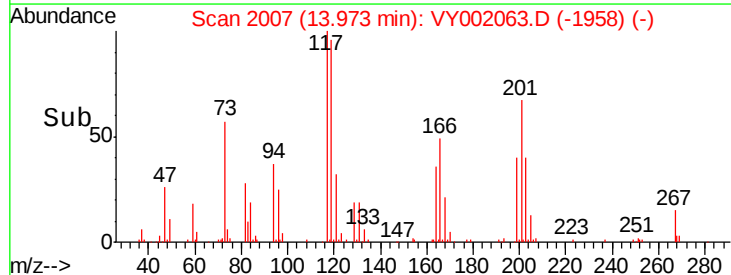
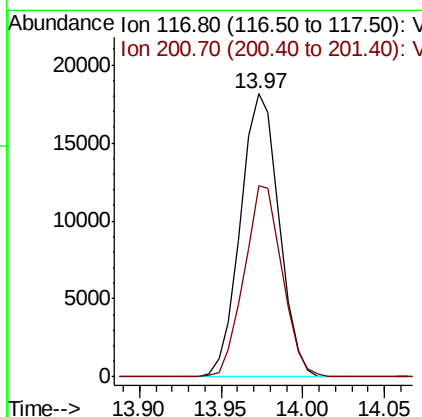
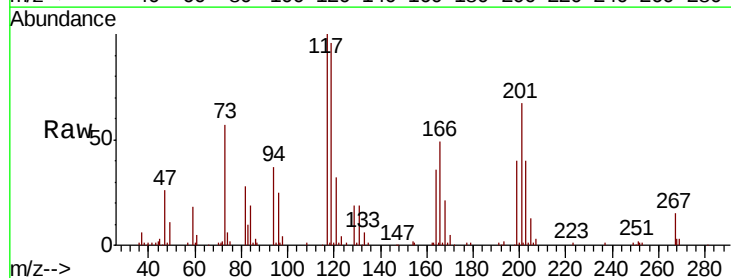
Manual Integrations
APPROVED

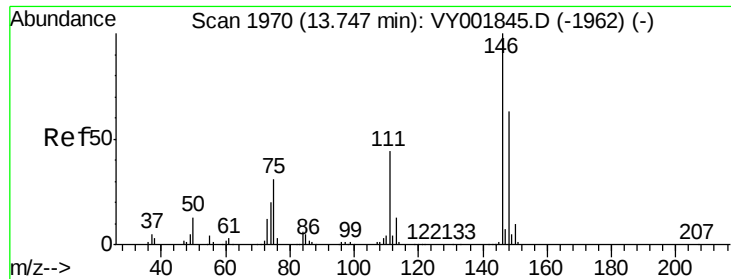
apatel
3/26/2020 10:59:01 AM



#90
Hexachloroethane
Concen: 19.615 ug/l
RT: 13.97 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VY002063.D
Acq: 25 Mar 2020 13:53

Tgt Ion	Ratio	Lower	Upper
117	100		
201	66.6	32.5	97.5





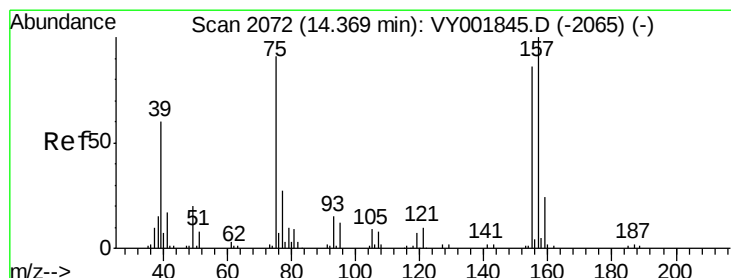
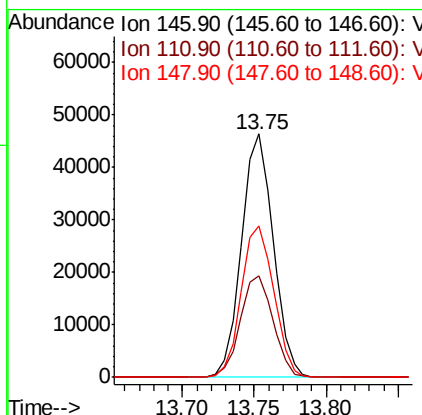
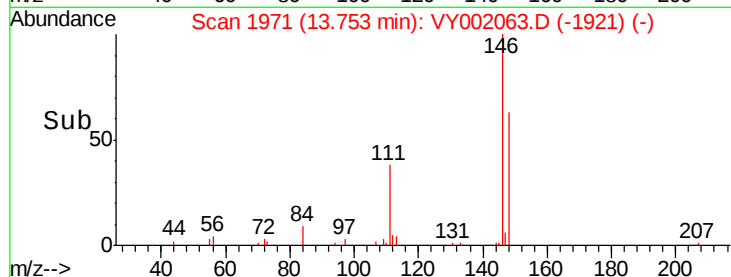
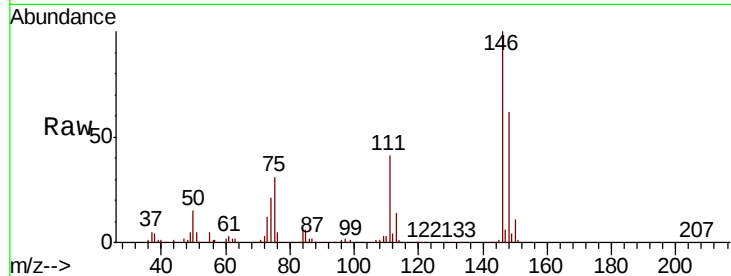
#91
 1,2-Dichlorobenzene
 Concen: 20.205 ug/l
 RT: 13.75 min Scan# 1971
 Delta R.T. 0.01 min
 Lab File: VY002063.D
 Acq: 25 Mar 2020 13:53

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0325SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.1	21.5	64.5
148	63.8	32.0	96.0

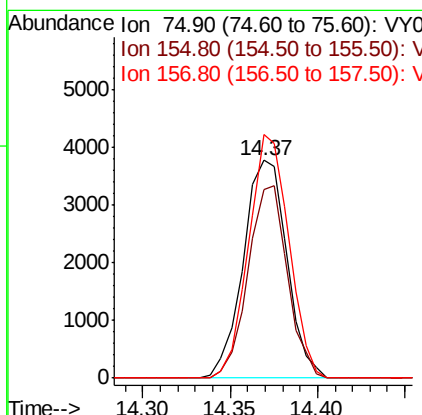
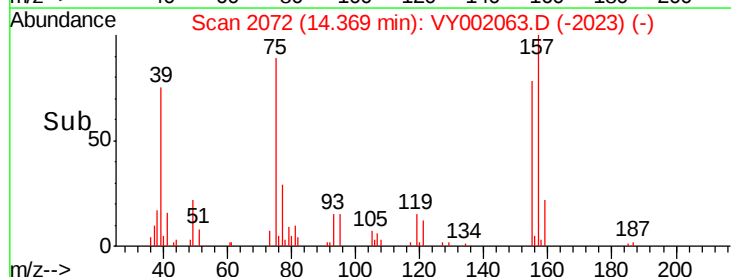
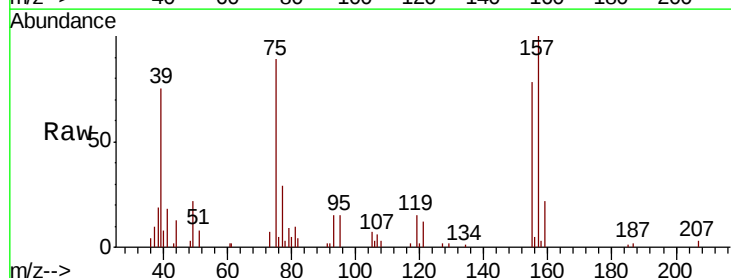
Manual Integrations
 APPROVED

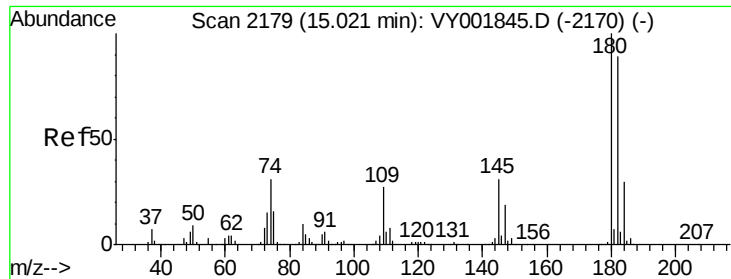
apatel
 3/26/2020 10:59:01 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.866 ug/l
 RT: 14.37 min Scan# 2072
 Delta R.T. 0.00 min
 Lab File: VY002063.D
 Acq: 25 Mar 2020 13:53

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.1	42.9	128.7
157	103.3	53.1	159.4





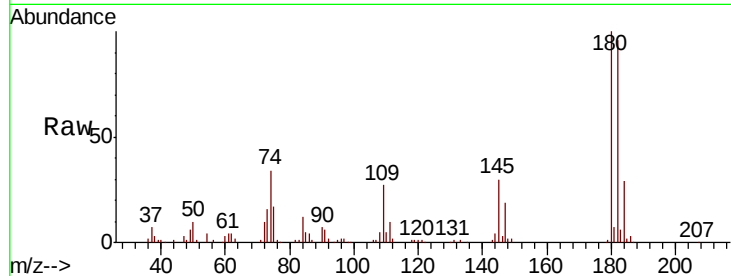
#93
1,2,4-Trichlorobenzene
Concen: 20.526 ug/l
RT: 15.02 min Scan# 2179
Delta R.T. 0.00 min
Lab File: VY002063.D
Acq: 25 Mar 2020 13:53

Instrument :
MSVOA_Y
ClientSampleId :
VY0325SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.1	46.1	138.3
145	31.1	15.6	46.8

Manual Integrations
APPROVED

apatel
3/26/2020 10:59:01 AM

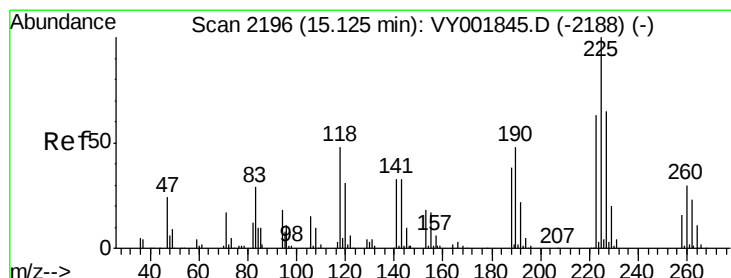
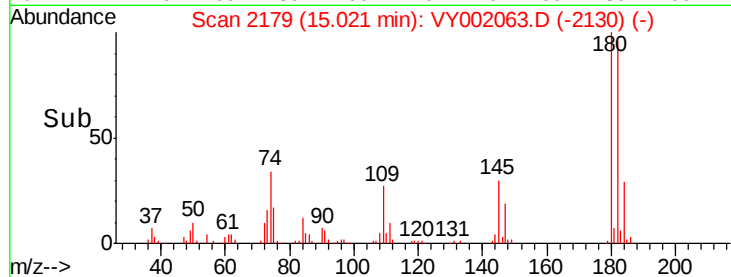
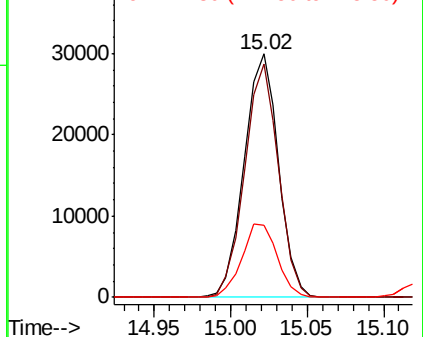


Abundance

Ion 179.80 (179.50 to 180.50): V

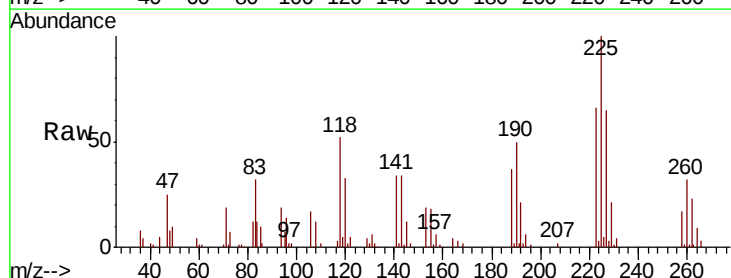
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
Hexachlorobutadiene
Concen: 20.501 ug/l
RT: 15.12 min Scan# 2196
Delta R.T. 0.00 min
Lab File: VY002063.D
Acq: 25 Mar 2020 13:53

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.9	31.5	94.5
227	63.6	31.9	95.5

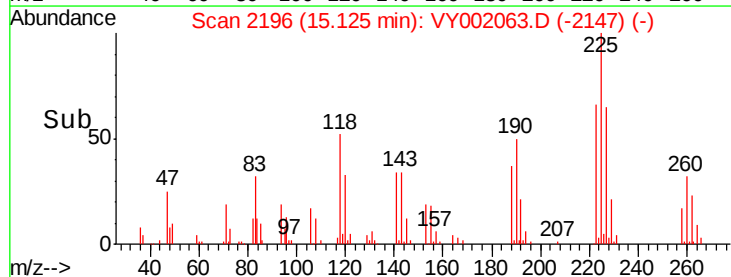
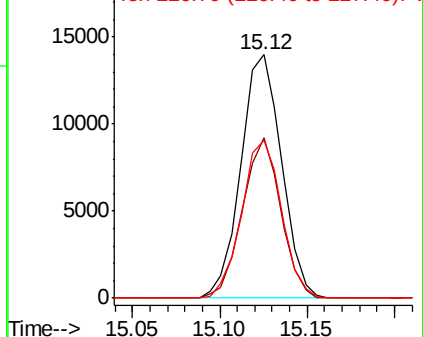


Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





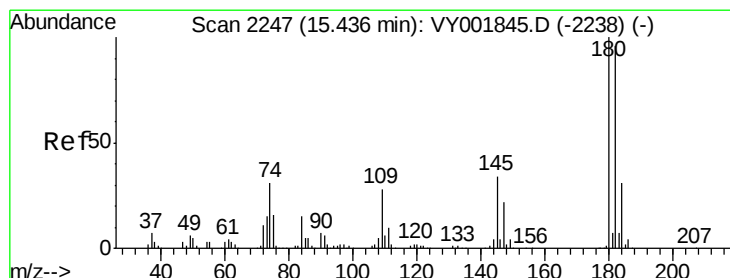
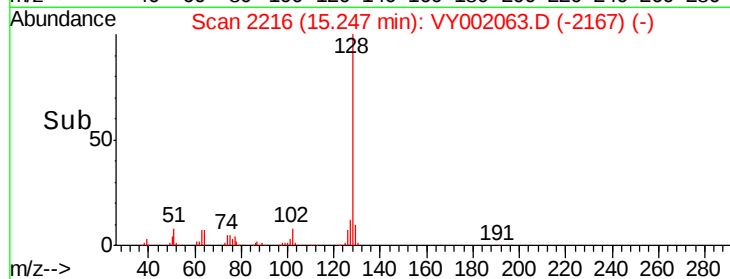
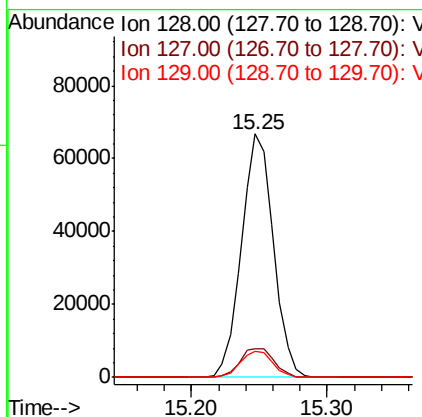
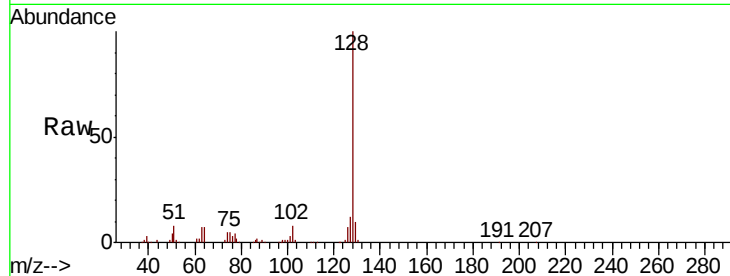
#95
Naphthalene
Concen: 20.277 ug/l
RT: 15.25 min Scan# 2216
Delta R.T. 0.00 min
Lab File: VY002063.D
Acq: 25 Mar 2020 13:53

Instrument :
MSVOA_Y
ClientSampleId :
VY0325SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.1	15.1
129	10.9	8.6	13.0

Manual Integrations
APPROVED

apatel
3/26/2020 10:59:01 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.626 ug/l
RT: 15.44 min Scan# 2247
Delta R.T. 0.00 min
Lab File: VY002063.D
Acq: 25 Mar 2020 13:53

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.6	142.9
145	32.9	16.8	50.3

