

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY032020\
 Data File : VY002033.D
 Acq On : 20 Mar 2020 11:48
 Operator : SY/MD
 Sample : VY0320SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0320SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/23/2020 2:21:23 PM

Quant Time: Mar 23 07:29:01 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	7.81	168	160314	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	283464	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	257297	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	121783	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	91721	53.59	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	107.18%	
35) Dibromofluoromethane	7.74	113	85221	55.06	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	110.12%	
50) Toluene-d8	10.19	98	351219	53.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.62%	
62) 4-Bromofluorobenzene	12.49	95	126423	55.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	27930	18.874	ug/l	98
3) Chloromethane	2.13	50	39649	19.873	ug/l	96
4) Vinyl Chloride	2.26	62	40000	19.710	ug/l	100
5) Bromomethane	2.66	94	27158	19.321	ug/l	99
6) Chloroethane	2.80	64	26130	20.497	ug/l	98
7) Trichlorofluoromethane	3.14	101	57262	20.806	ug/l	98
8) Diethyl Ether	3.55	74	22920	21.130	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.92	101	37754	21.327	ug/l	99
10) Methyl Iodide	4.11	142	39407	19.250	ug/l	98
11) Tert butyl alcohol	4.99	59	19351	94.616	ug/l	98
12) 1,1-Dichloroethene	3.89	96	36686	20.582	ug/l	96
13) Acrolein	3.75	56	18064	75.110	ug/l	97
14) Allyl chloride	4.50	41	69175	21.892	ug/l	99
15) Acrylonitrile	5.19	53	63874	110.195	ug/l	99
16) Acetone	3.97	43	54960	110.255	ug/l	99
17) Carbon Disulfide	4.21	76	112451	18.768	ug/l	98
18) Methyl Acetate	4.50	43	29620	23.126	ug/l	96
19) Methyl tert-butyl Ether	5.25	73	104353	21.604	ug/l	93
20) Methylene Chloride	4.74	84	48209	22.566	ug/l	99
21) trans-1,2-Dichloroethene	5.25	96	41551	20.538	ug/l	98
22) Diisopropyl ether	6.14	45	142562	22.010	ug/l	97
23) Vinyl Acetate	6.08	43	462935	109.023	ug/l	98
24) 1,1-Dichloroethane	6.05	63	74792	21.323	ug/l	97
25) 2-Butanone	7.01	43	82887	109.342	ug/l	98
26) 2,2-Dichloropropane	7.00	77	61841	21.481	ug/l	99
27) cis-1,2-Dichloroethene	7.00	96	47006	21.360	ug/l	100
28) Bromochloromethane	7.35	49	32094	20.300	ug/l	100
29) Tetrahydrofuran	7.36	42	56750	112.735	ug/l	98
30) Chloroform	7.53	83	70702	21.454	ug/l	97
31) Cyclohexane	7.80	56	76375	20.308	ug/l	98
32) 1,1,1-Trichloroethane	7.72	97	60683	21.848	ug/l	98
36) 1,1-Dichloropropene	7.93	75	59136	21.679	ug/l	99
37) Ethyl Acetate	7.10	43	37213	23.472	ug/l	98
38) Carbon Tetrachloride	7.91	117	51474	22.090	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY032020\
 Data File : VY002033.D
 Acq On : 20 Mar 2020 11:48
 Operator : SY/MD
 Sample : VY0320SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0320SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/23/2020 2:21:23 PM

Quant Time: Mar 23 07:29:01 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	9.19	83	76176	21.055	ug/l	97
40) Benzene	8.18	78	172671	21.357	ug/l	99
41) Methacrylonitrile	7.34	41	17538m	24.581	ug/l	
42) 1,2-Dichloroethane	8.25	62	46824	22.475	ug/l	100
43) Isopropyl Acetate	8.29	43	67530	22.498	ug/l	99
44) Trichloroethene	8.95	130	42815	21.744	ug/l	99
45) 1,2-Dichloropropane	9.23	63	44258	21.776	ug/l	99
46) Dibromomethane	9.32	93	23759	22.684	ug/l	95
47) Bromodichloromethane	9.51	83	54749	22.471	ug/l	97
48) Methyl methacrylate	9.30	41	30277	22.732	ug/l	97
49) 1,4-Dioxane	9.31	88	6536	455.417	ug/l	96
51) 4-Methyl-2-Pentanone	10.08	43	178409	115.398	ug/l	99
52) Toluene	10.25	92	105933	21.568	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	59058	22.249	ug/l	96
54) cis-1,3-Dichloropropene	9.94	75	70457	22.297	ug/l	98
55) 1,1,2-Trichloroethane	10.66	97	33591	21.914	ug/l	98
56) Ethyl methacrylate	10.52	69	50047	22.275	ug/l	94
57) 1,3-Dichloropropane	10.80	76	60140	22.011	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.79	63	125054	145.826	ug/l	99
59) 2-Hexanone	10.84	43	126161	114.329	ug/l	100
60) Dibromochloromethane	10.99	129	35444	21.944	ug/l	98
61) 1,2-Dibromoethane	11.10	107	32218	22.189	ug/l	99
64) Tetrachloroethene	10.73	164	35948	22.279	ug/l	96
65) Chlorobenzene	11.52	112	110174	21.490	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	37035	22.029	ug/l	98
67) Ethyl Benzene	11.60	91	205555	21.499	ug/l	99
68) m/p-Xylenes	11.71	106	153106	43.312	ug/l	98
69) o-Xylene	12.03	106	71022	21.317	ug/l	98
70) Styrene	12.05	104	126079	22.094	ug/l	100
71) Bromoform	12.22	173	19771	21.685	ug/l #	99
73) Isopropylbenzene	12.34	105	195521	21.031	ug/l	100
74) N-amyl acetate	12.15	43	63486	22.219	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.59	83	43047	21.472	ug/l	100
76) 1,2,3-Trichloropropane	12.64	75	32561m	22.533	ug/l	
77) Bromobenzene	12.61	156	41939	21.292	ug/l	99
78) n-propylbenzene	12.68	91	247843	21.609	ug/l	99
79) 2-Chlorotoluene	12.77	91	134891	21.288	ug/l	100
80) 1,3,5-Trimethylbenzene	12.82	105	165136	21.577	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	15372	21.488	ug/l	95
82) 4-Chlorotoluene	12.86	91	142929	21.664	ug/l	99
83) tert-Butylbenzene	13.08	119	138229	21.745	ug/l	98
84) 1,2,4-Trimethylbenzene	13.13	105	165692	21.815	ug/l	99
85) sec-Butylbenzene	13.26	105	203771	21.748	ug/l	100
86) p-Isopropyltoluene	13.38	119	177361	21.944	ug/l	100
87) 1,3-Dichlorobenzene	13.38	146	83619	21.664	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	83311	21.276	ug/l	97
89) n-Butylbenzene	13.70	91	183470	21.879	ug/l	99
90) Hexachloroethane	13.97	117	33692	22.096	ug/l	100
91) 1,2-Dichlorobenzene	13.75	146	76019	21.679	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	6857	21.919	ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY032020\
Data File : VY002033.D
Acq On : 20 Mar 2020 11:48
Operator : SY/MD
Sample : VY0320SBS01
Misc : 5.00G/5ML/MSVOA Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0320SBS01

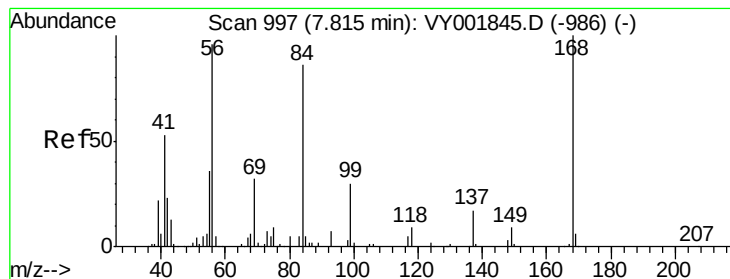
Manual Integrations
APPROVED

MMDadoda
3/23/2020 2:21:23 PM

Quant Time: Mar 23 07:29:01 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)
93) 1,2,4-Trichlorobenzene	15.02	180	51178	22.506	ug/l	99
94) Hexachlorobutadiene	15.12	225	24837	22.402	ug/l	99
95) Naphthalene	15.25	128	117883	21.855	ug/l	99
96) 1,2,3-Trichlorobenzene	15.44	180	44924	22.425	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.01 min

Lab File: VY002033.D

Acq: 20 Mar 2020 11:48

Instrument :

MSVOA_Y

ClientSampleId :

VY0320SBS01

Tot Ion:168 Resp: 160314

Ion Ratio Lower Upper

168 100

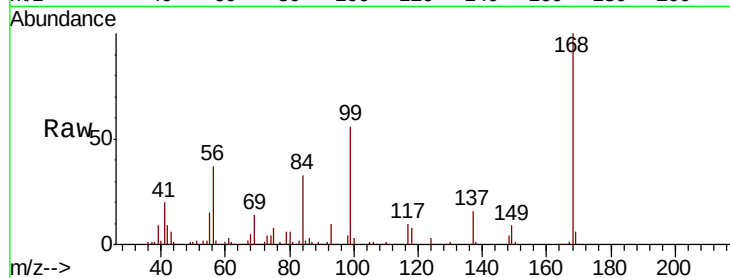
99 56.1 46.7 70.1

Manual Integrations

APPROVED

MMDadoda

3/23/2020 2:21:23 PM



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

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

7.81

80000

60000

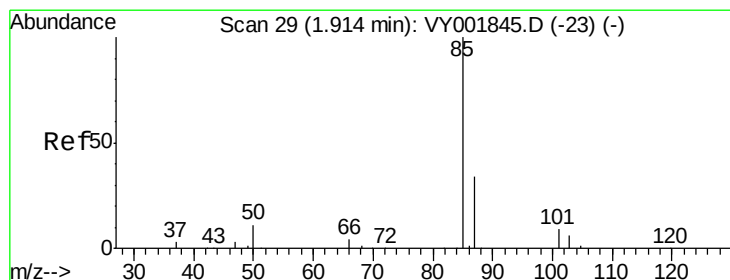
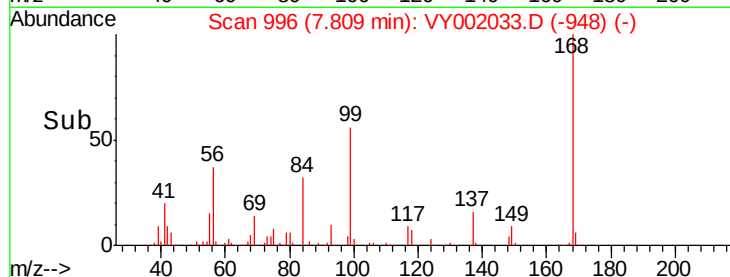
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 18.874 ug/l

RT: 1.91 min Scan# 29

Delta R.T. 0.00 min

Lab File: VY002033.D

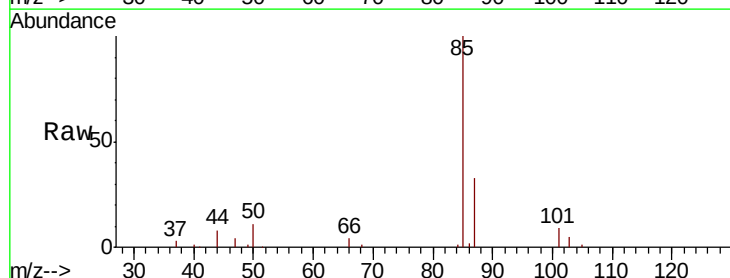
Acq: 20 Mar 2020 11:48

Tgt Ion: 85 Resp: 27930

Ion Ratio Lower Upper

85 100

87 32.6 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

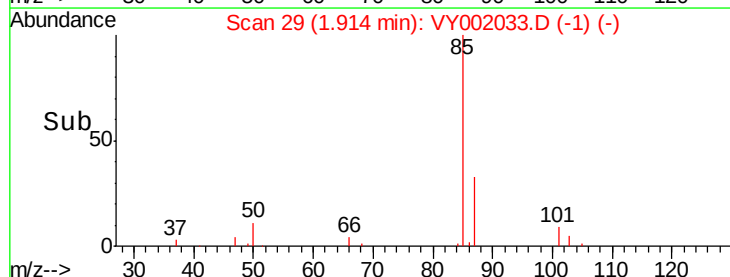
10000

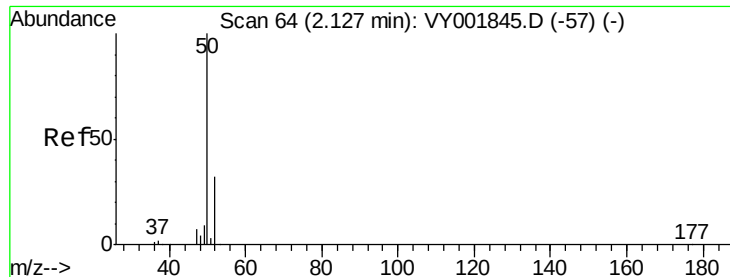
5000

0

1.85 1.90 1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 19.873 ug/l

RT: 2.13 min Scan# 64

Delta R.T. 0.00 min

Lab File: VY002033.D

Acq: 20 Mar 2020 11:48

Instrument :

MSVOA_Y

ClientSampleId :

VY0320SBS01

Tot Ion: 50 Resp: 39649

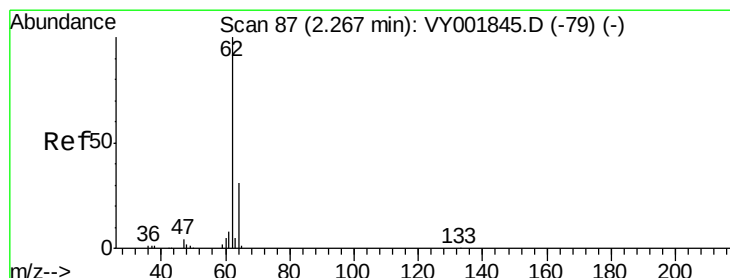
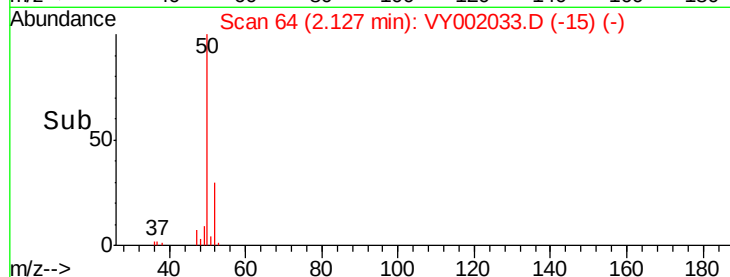
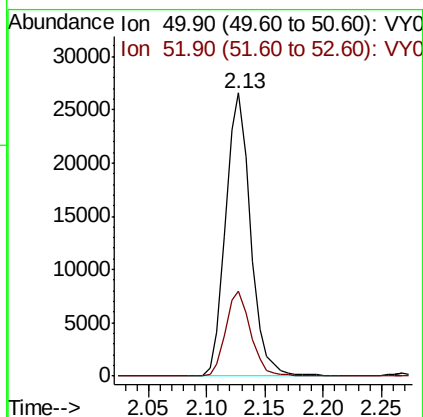
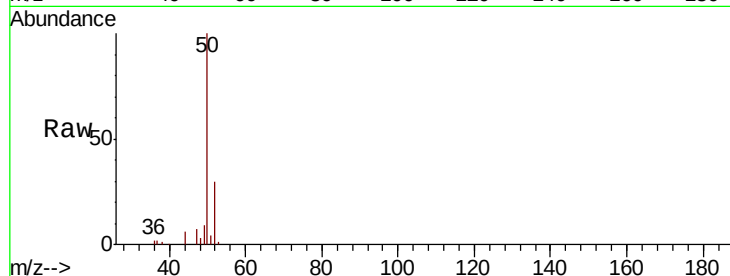
Ion Ratio Lower Upper

50 100

52 30.2 25.8 38.6

Manual Integrations
APPROVED

MMDadoda
3/23/2020 2:21:23 PM



#4

Vinyl Chloride

Concen: 19.710 ug/l

RT: 2.26 min Scan# 86

Delta R.T. -0.01 min

Lab File: VY002033.D

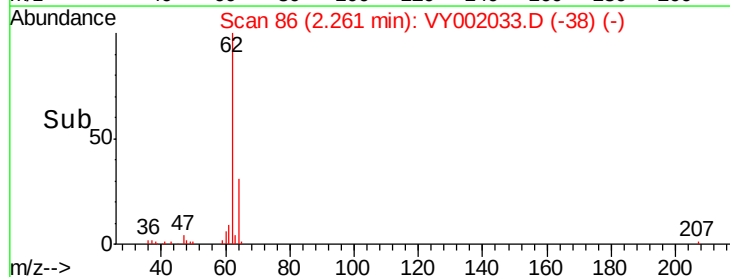
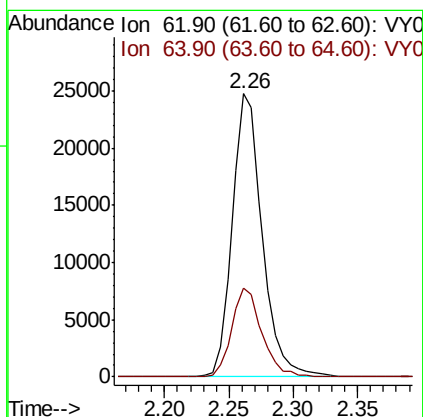
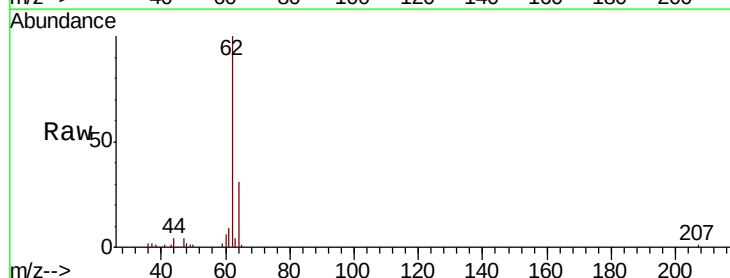
Acq: 20 Mar 2020 11:48

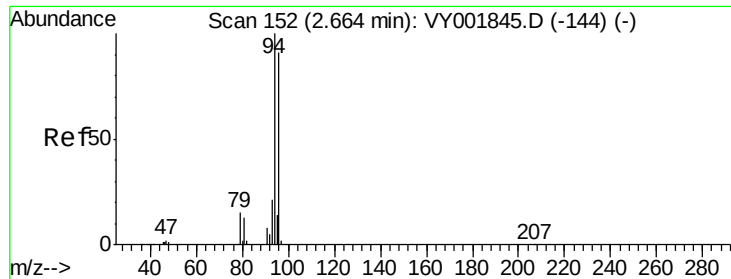
Tgt Ion: 62 Resp: 40000

Ion Ratio Lower Upper

62 100

64 31.2 25.1 37.7





#5

Bromomethane

Concen: 19.321 ug/l

RT: 2.66 min Scan# 151

Delta R.T. -0.01 min

Lab File: VY002033.D

Acq: 20 Mar 2020 11:48

Instrument :

MSVOA_Y

ClientSampleId :

VY0320SBS01

Tot Ion: 94 Resp: 27158

Ion Ratio Lower Upper

94 100

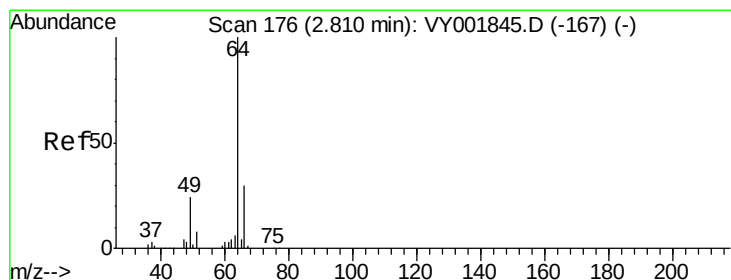
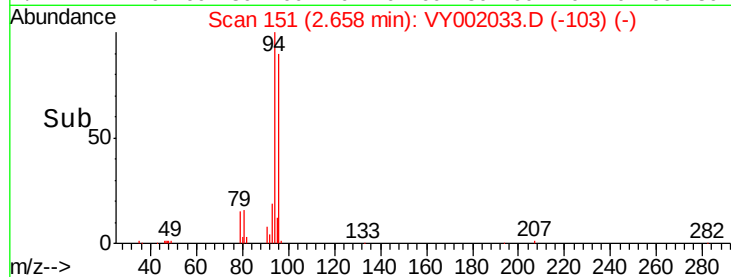
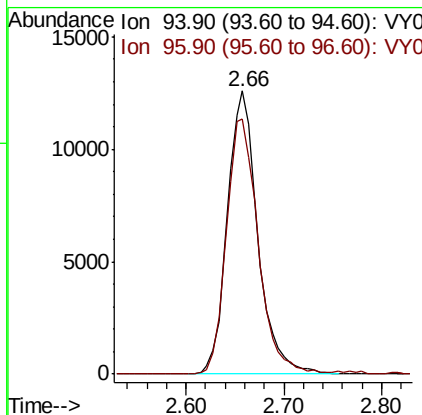
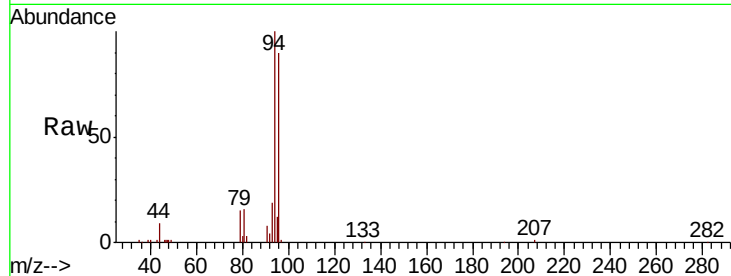
96 90.3 73.2 109.8

Manual Integrations

APPROVED

MMDadoda

3/23/2020 2:21:23 PM



#6

Chloroethane

Concen: 20.497 ug/l

RT: 2.80 min Scan# 175

Delta R.T. -0.01 min

Lab File: VY002033.D

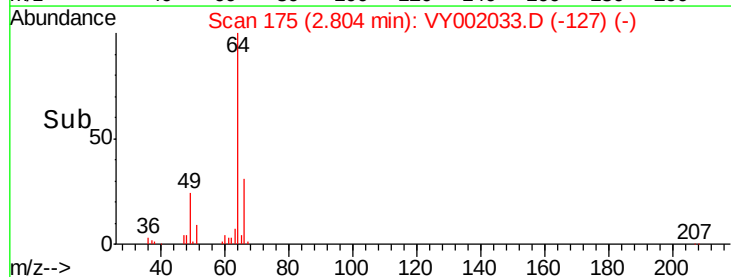
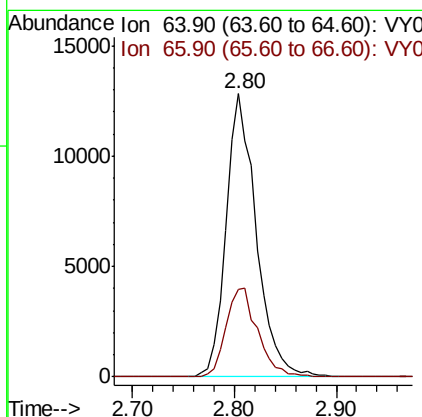
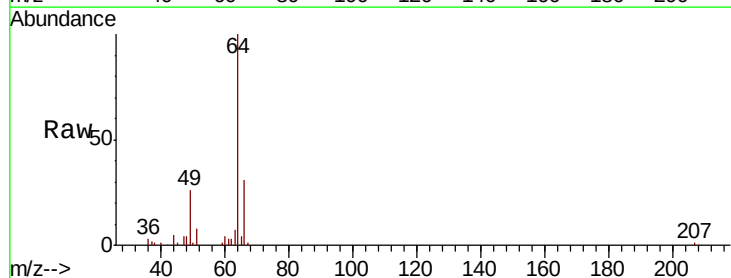
Acq: 20 Mar 2020 11:48

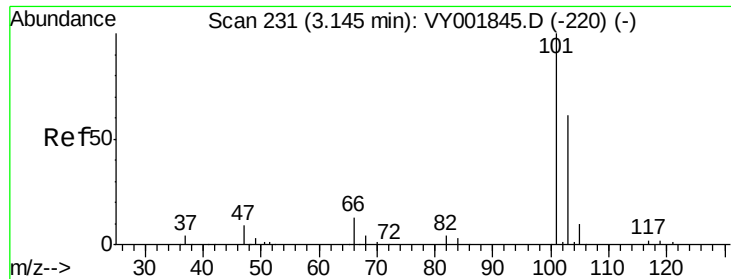
Tgt Ion: 64 Resp: 26130

Ion Ratio Lower Upper

64 100

66 30.9 23.8 35.8





#7

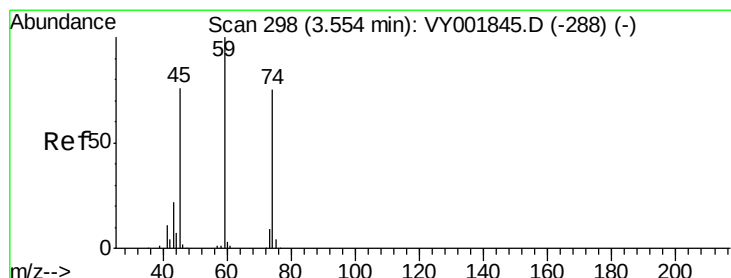
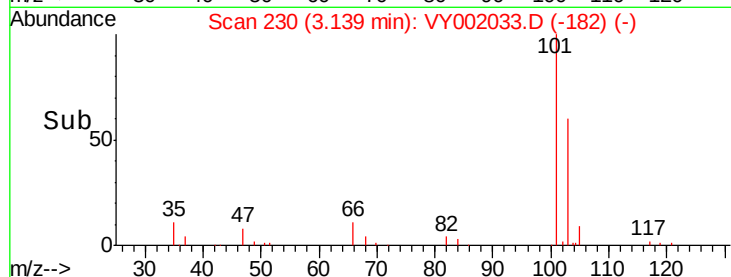
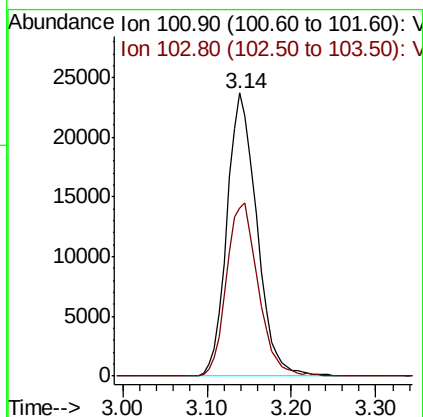
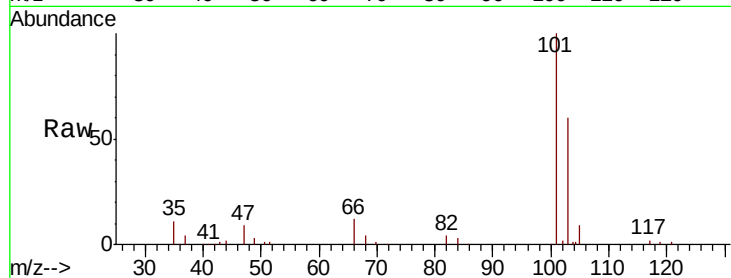
Trichlorofluoromethane
Concen: 20.806 ug/l
RT: 3.14 min Scan# 230
Delta R.T. -0.01 min
Lab File: VY002033.D
Acq: 20 Mar 2020 11:48

Instrument :
MSVOA_Y
ClientSampleId :
VY0320SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	59.6	49.1	73.7

Manual Integrations
APPROVED

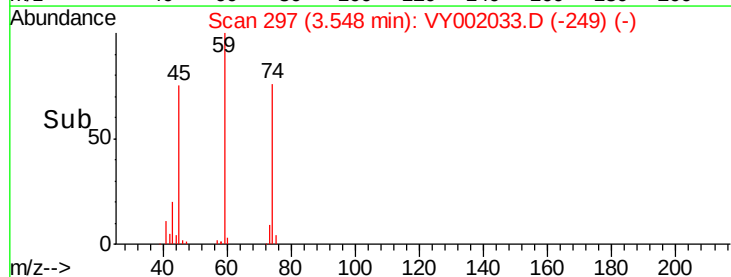
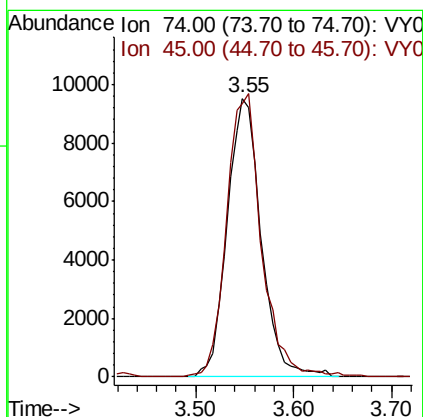
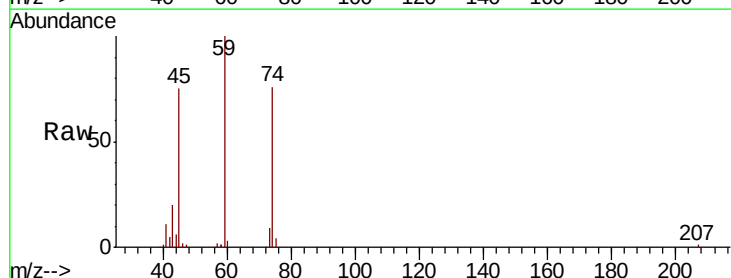
MMDadoda
3/23/2020 2:21:23 PM

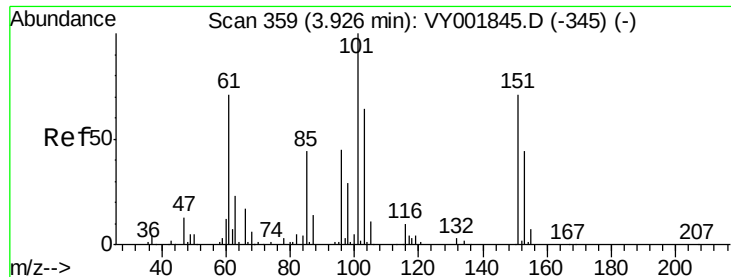


#8

Diethyl Ether
Concen: 21.130 ug/l
RT: 3.55 min Scan# 297
Delta R.T. -0.01 min
Lab File: VY002033.D
Acq: 20 Mar 2020 11:48

Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.7	50.5	151.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.327 ug/l

RT: 3.92 min Scan# 358

Delta R.T. -0.01 min

Lab File: VY002033.D

Acq: 20 Mar 2020 11:48

Instrument :

MSVOA_Y

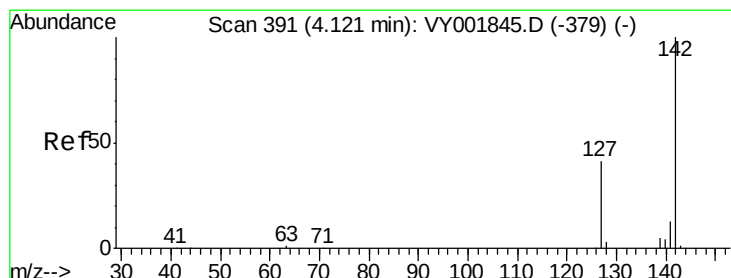
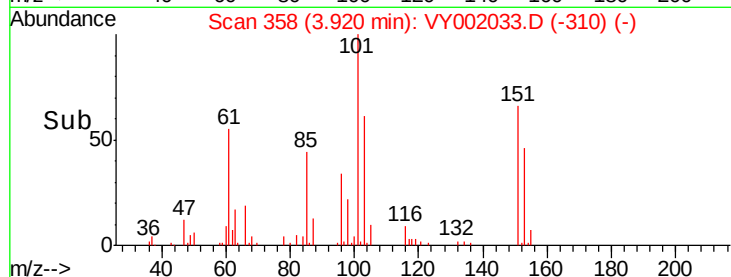
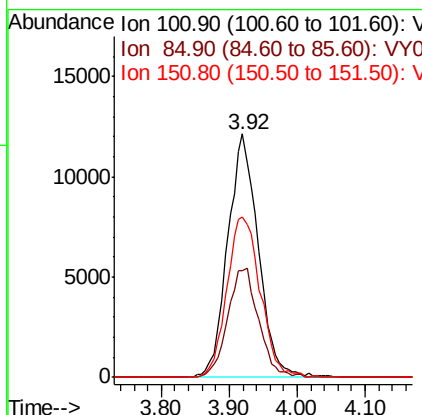
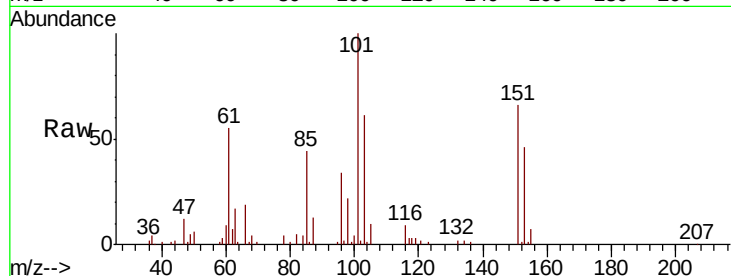
ClientSampleId :

VY0320SBS01

Tot Ion:	101	Resp:	37754
Ion Ratio	Lower	Upper	
101	100		
85	45.2	35.3	52.9
151	71.8	57.0	85.4

Manual Integrations
APPROVED

MMDadoda
3/23/2020 2:21:23 PM



#10

Methyl Iodide

Concen: 19.250 ug/l

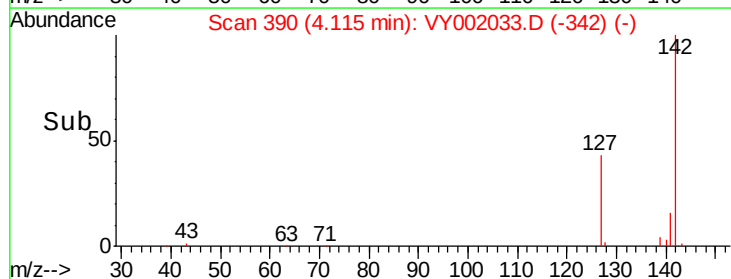
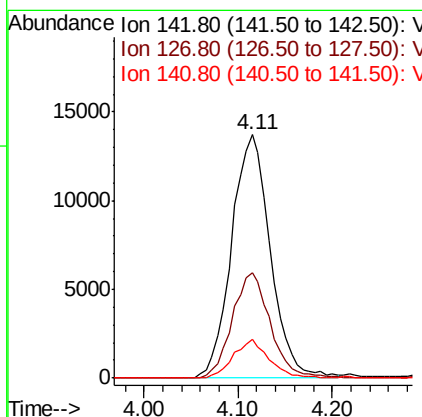
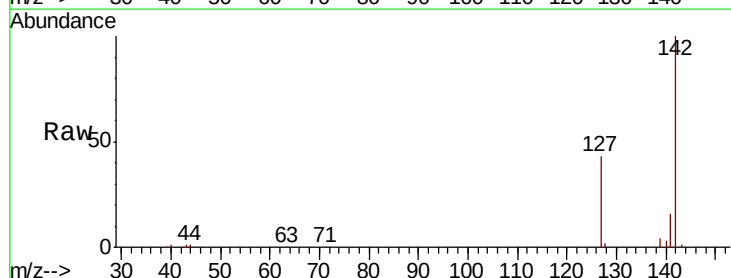
RT: 4.11 min Scan# 390

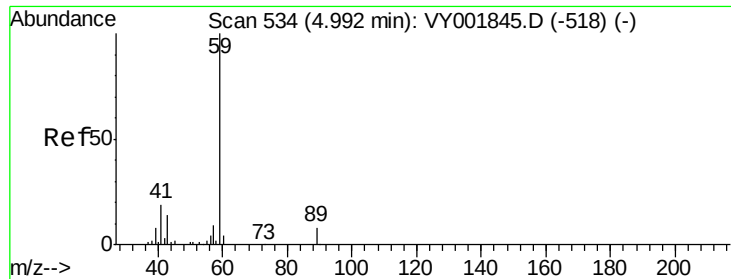
Delta R.T. -0.01 min

Lab File: VY002033.D

Acq: 20 Mar 2020 11:48

Tgt Ion:	142	Resp:	39407
Ion Ratio	Lower	Upper	
142	100		
127	42.4	32.7	49.1
141	14.6	11.0	16.6





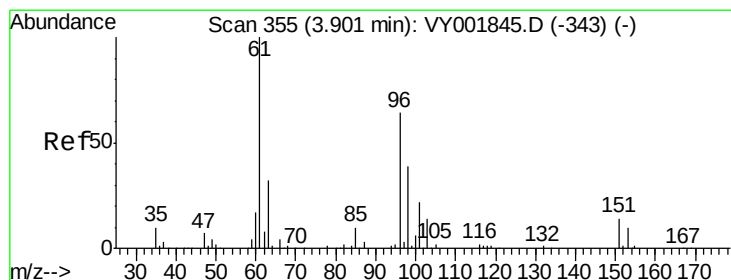
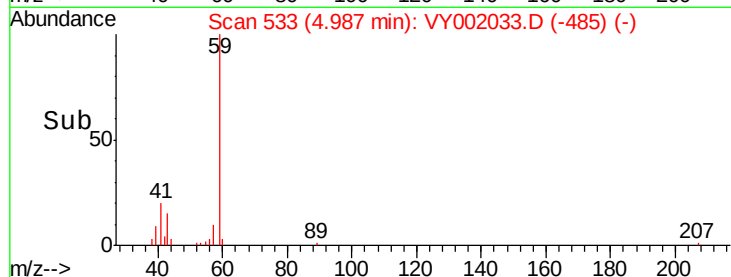
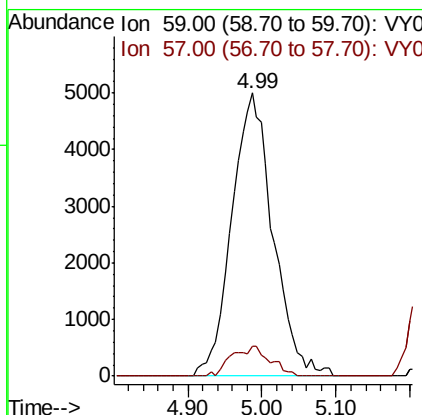
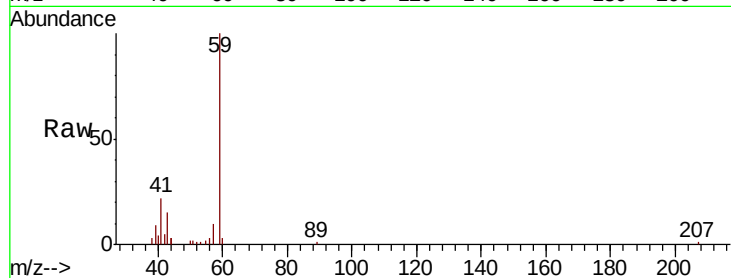
#11
Tert butyl alcohol
Concen: 94.616 ug/l
RT: 4.99 min Scan# 533
Delta R.T. -0.01 min
Lab File: VY002033.D
Acq: 20 Mar 2020 11:48

Instrument :
MSVOA_Y
ClientSampleId :
VY0320SBS01

Tot Ion	59.00	Resp	19351
Ion	Ratio	Lower	Upper
59	100		
57	9.8	7.4	11.2

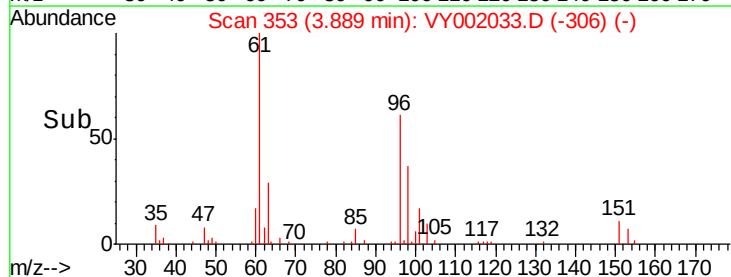
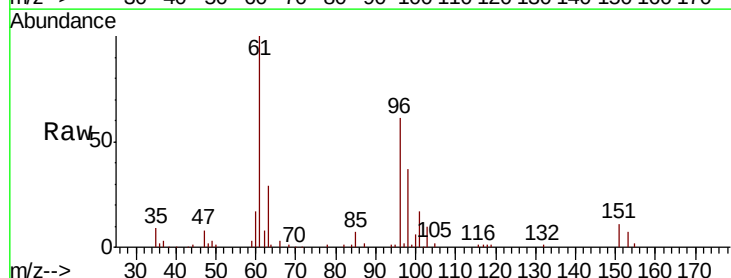
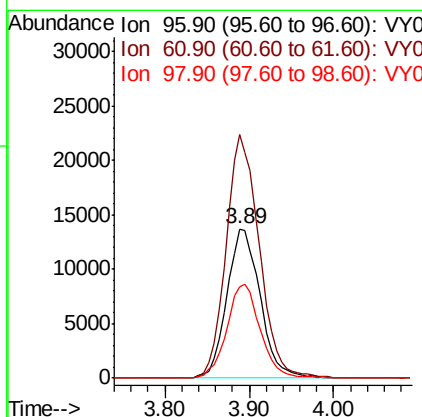
Manual Integrations
APPROVED

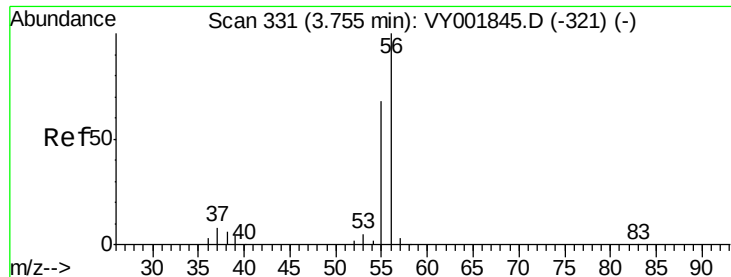
MMDadoda
3/23/2020 2:21:23 PM



#12
1,1-Dichloroethene
Concen: 20.582 ug/l
RT: 3.89 min Scan# 353
Delta R.T. -0.01 min
Lab File: VY002033.D
Acq: 20 Mar 2020 11:48

Tgt Ion	96	Resp	36686
Ion	Ratio	Lower	Upper
96	100		
61	162.8	124.8	187.2
98	60.8	49.2	73.8





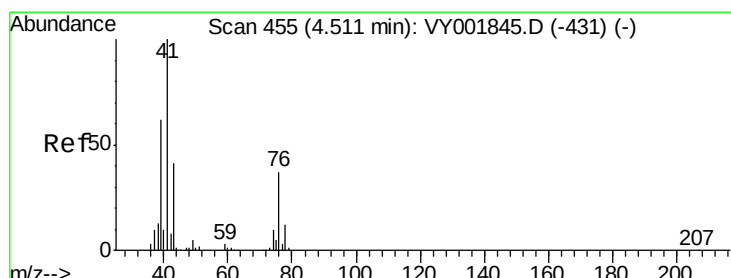
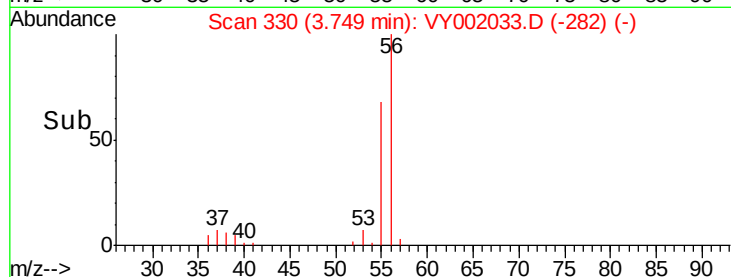
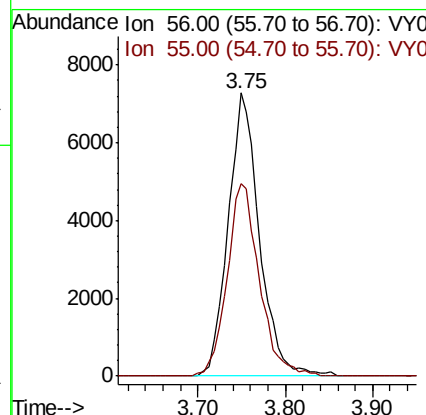
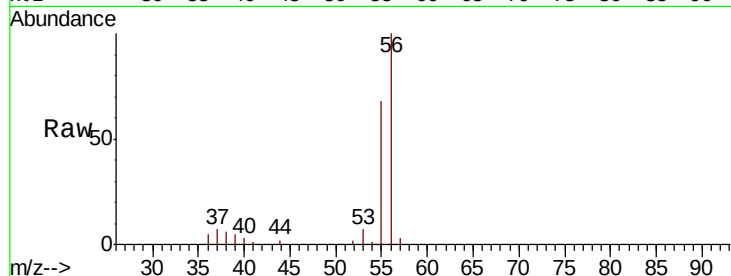
#13
 Acrolein
 Concen: 75.110 ug/l
 RT: 3.75 min Scan# 330
 Delta R.T. -0.01 min
 Lab File: VY002033.D
 Acq: 20 Mar 2020 11:48

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0320SBS01

Tot Ion	56	55	Resp	18064	Lower	Upper
Ion Ratio	100	70.1				
					54.0	81.0

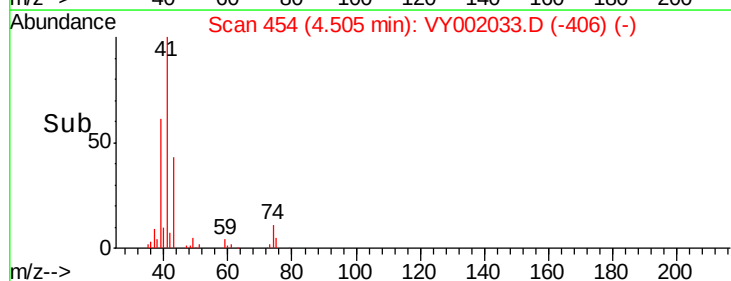
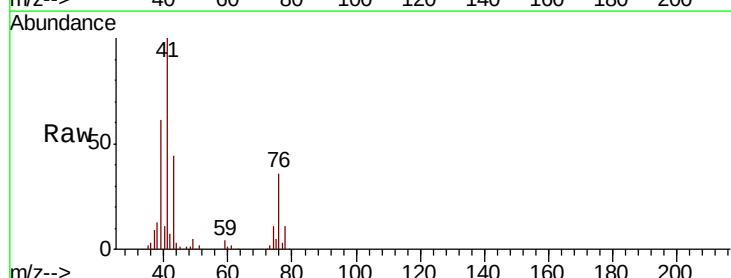
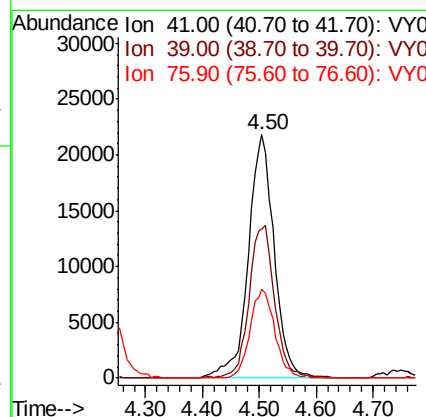
Manual Integrations
 APPROVED

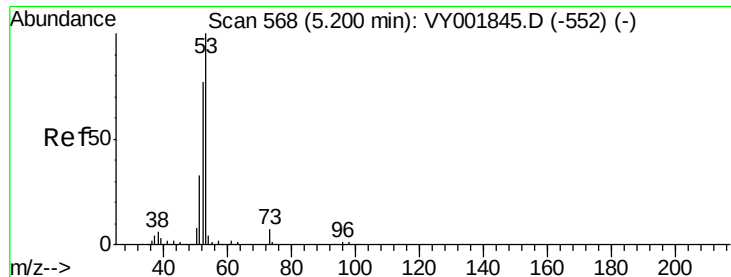
MMDadoda
 3/23/2020 2:21:23 PM



#14
 Allyl chloride
 Concen: 21.892 ug/l
 RT: 4.50 min Scan# 454
 Delta R.T. -0.01 min
 Lab File: VY002033.D
 Acq: 20 Mar 2020 11:48

Tgt Ion	41	39	76	Resp	69175	Lower	Upper
Ion Ratio	100	61.9	34.7				
						49.0	73.6
						28.9	43.3





#15

Acrylonitrile

Concen: 110.195 ug/l

RT: 5.19 min Scan# 567

Delta R.T. -0.01 min

Lab File: VY002033.D

Acq: 20 Mar 2020 11:48

Instrument :

MSVOA_Y

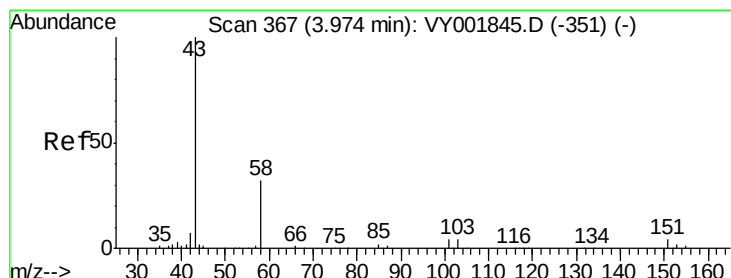
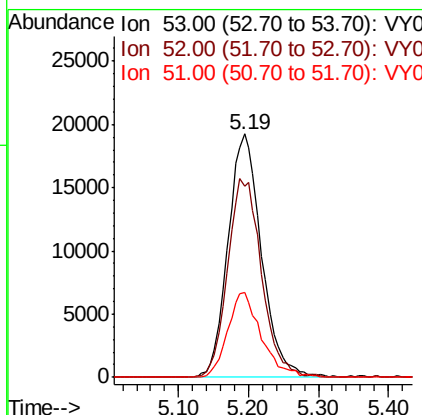
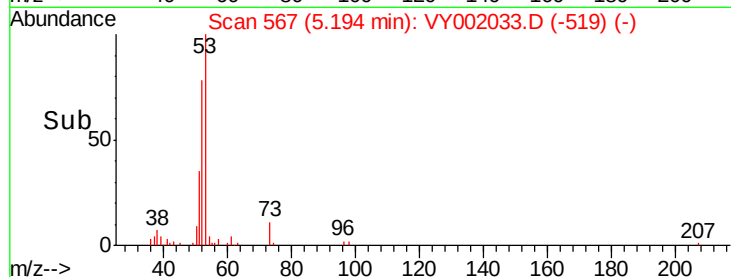
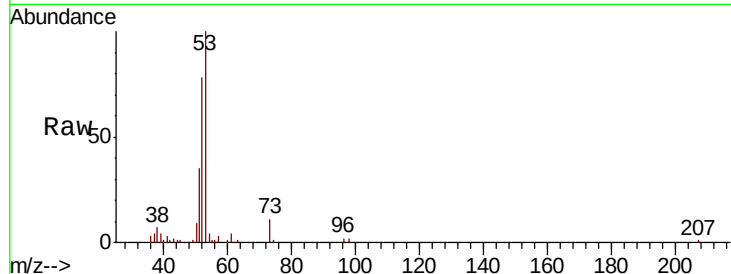
ClientSampleId :

VY0320SBS01

Tot Ion:	53	Resp:	63874
Ion	Ratio	Lower	Upper
53	100		
52	82.6	65.1	97.7
51	35.2	27.5	41.3

Manual Integrations
APPROVED

MMDadoda
3/23/2020 2:21:23 PM



#16

Acetone

Concen: 110.255 ug/l

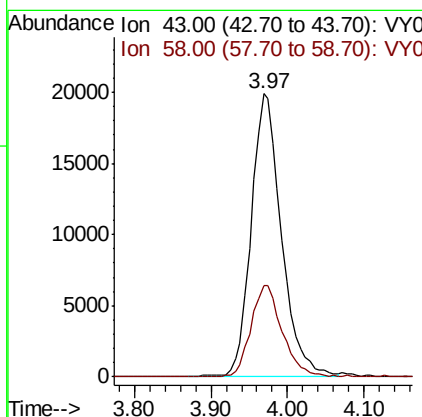
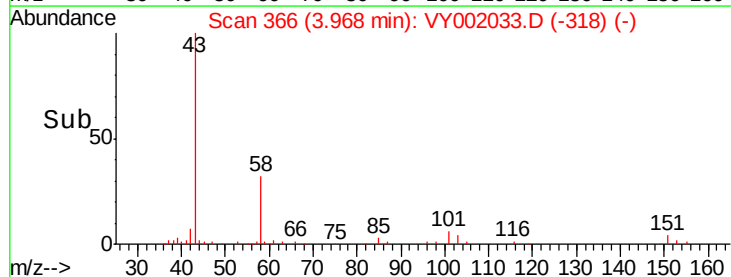
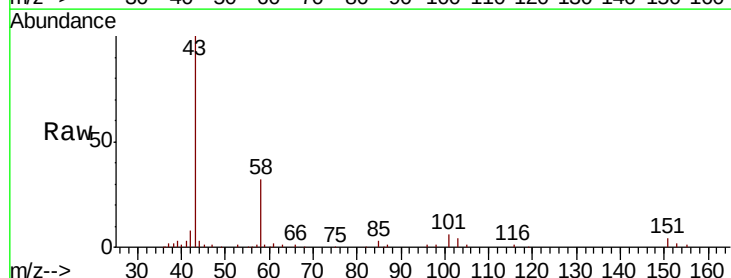
RT: 3.97 min Scan# 366

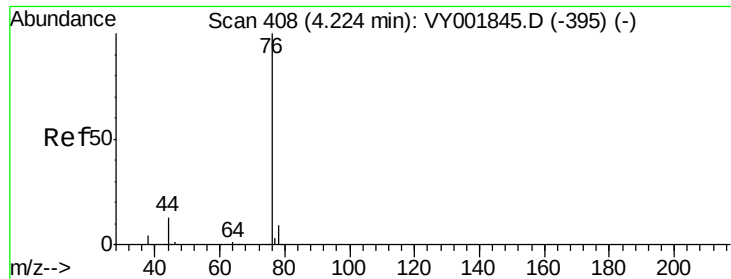
Delta R.T. -0.01 min

Lab File: VY002033.D

Acq: 20 Mar 2020 11:48

Tgt Ion:	43	Resp:	54960
Ion	Ratio	Lower	Upper
43	100		
58	32.1	25.9	38.9





#17

Carbon Disulfide

Concen: 18.768 ug/l

RT: 4.21 min Scan# 406

Delta R.T. -0.01 min

Lab File: VY002033.D

Acq: 20 Mar 2020 11:48

Instrument :

MSVOA_Y

ClientSampleId :

VY0320SBS01

Tot Ion: 76 Resp: 112451

Ion Ratio Lower Upper

76 100

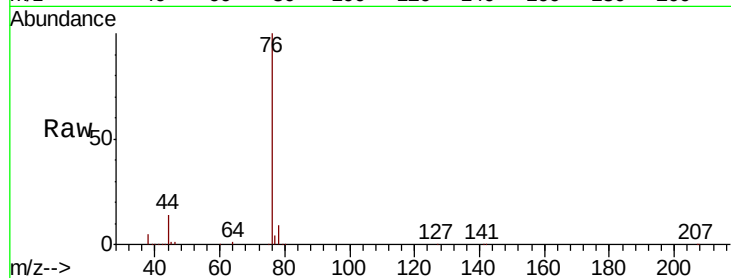
78 8.6 7.4 11.2

Manual Integrations

APPROVED

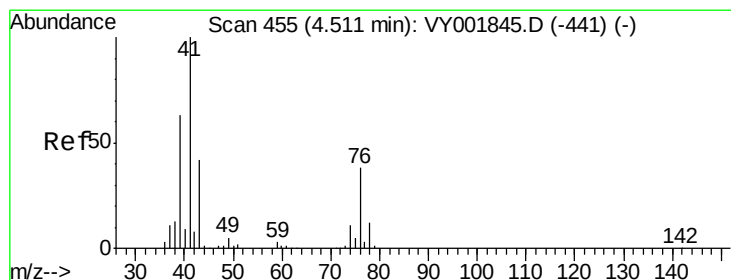
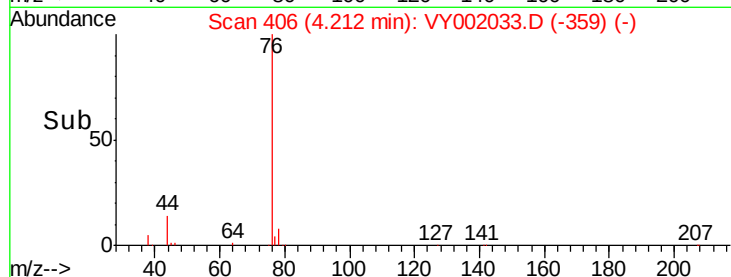
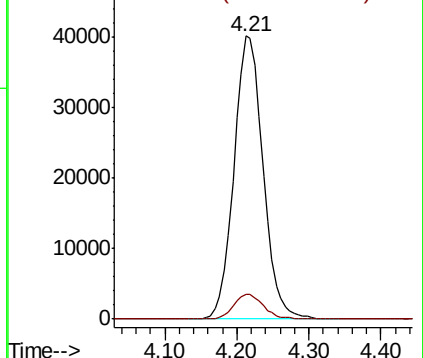
MMDadoda

3/23/2020 2:21:23 PM



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#18

Methyl Acetate

Concen: 23.126 ug/l

RT: 4.50 min Scan# 453

Delta R.T. -0.01 min

Lab File: VY002033.D

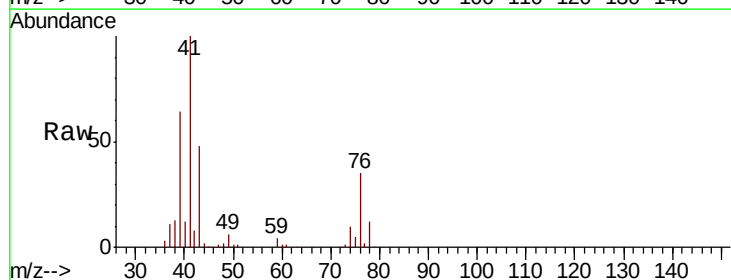
Acq: 20 Mar 2020 11:48

Tgt Ion: 43 Resp: 29620

Ion Ratio Lower Upper

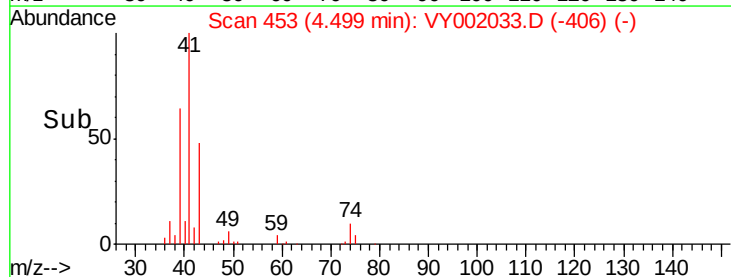
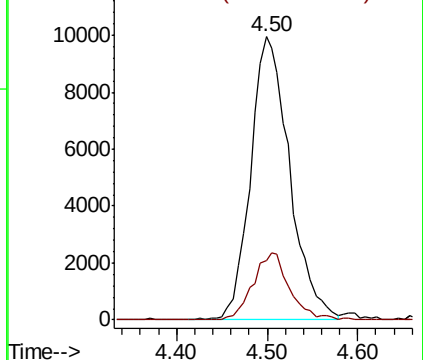
43 100

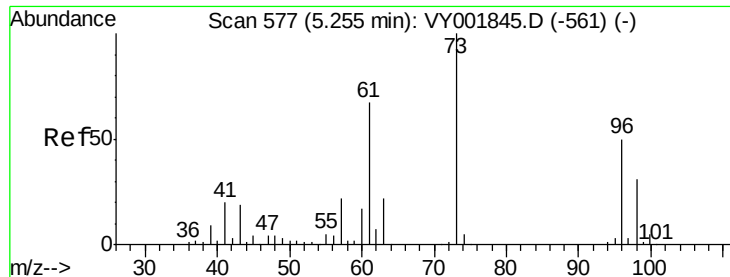
74 22.0 19.0 28.6



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0





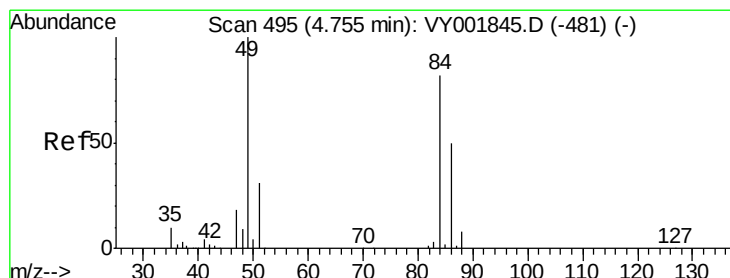
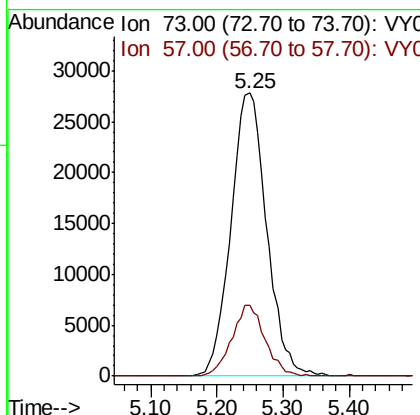
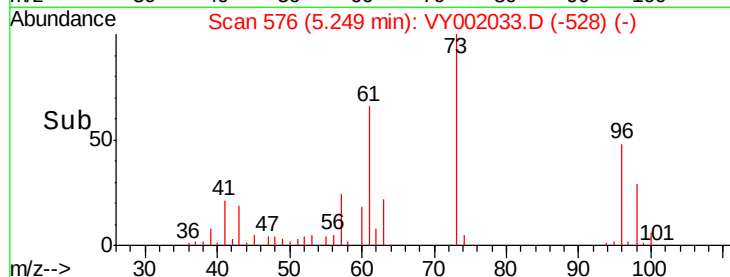
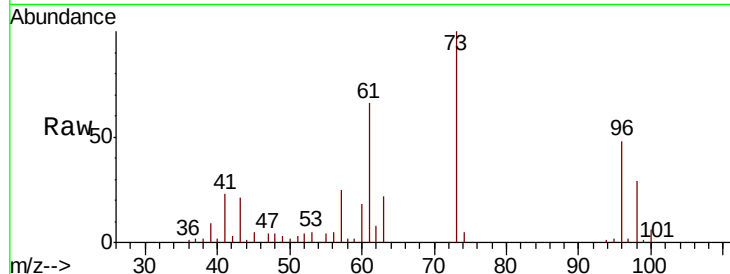
#19
Methyl tert-butyl Ether
Concen: 21.604 ug/l
RT: 5.25 min Scan# 576
Delta R.T. -0.01 min
Lab File: VY002033.D
Acq: 20 Mar 2020 11:48

Instrument :
MSVOA_Y
ClientSampleId :
VY0320SBS01

Tot Ion: 73 Resp: 104353
Ion Ratio Lower Upper
73 100
57 24.9 17.4 26.2

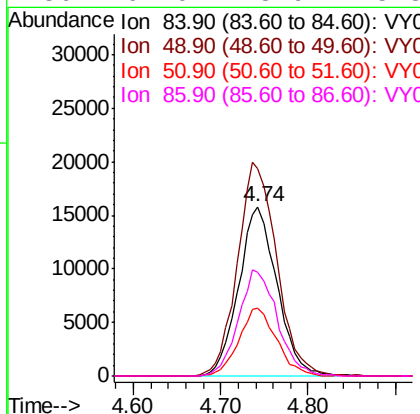
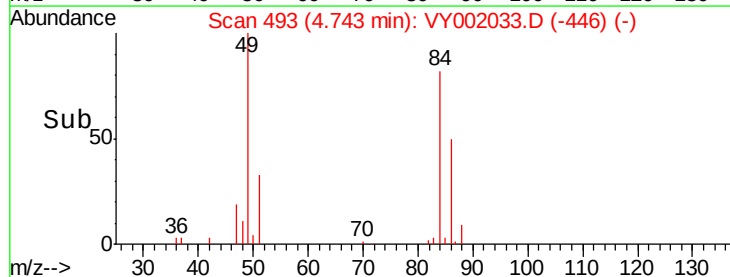
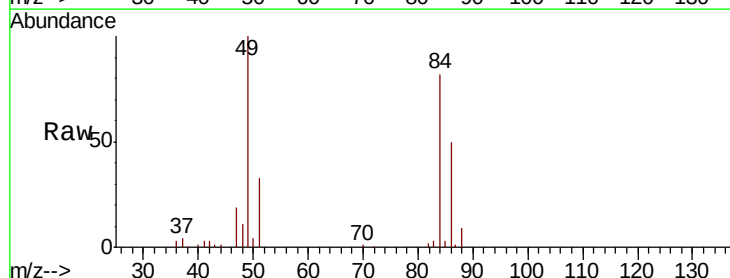
Manual Integrations
APPROVED

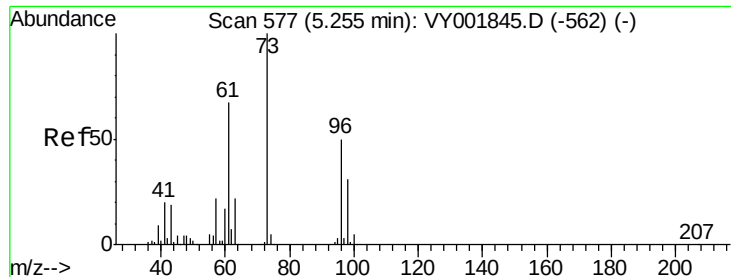
MMDadoda
3/23/2020 2:21:23 PM



#20
Methylene Chloride
Concen: 22.566 ug/l
RT: 4.74 min Scan# 493
Delta R.T. -0.01 min
Lab File: VY002033.D
Acq: 20 Mar 2020 11:48

Tgt Ion: 84 Resp: 48209
Ion Ratio Lower Upper
84 100
49 122.4 98.2 147.2
51 40.3 30.2 45.2
86 61.0 48.9 73.3





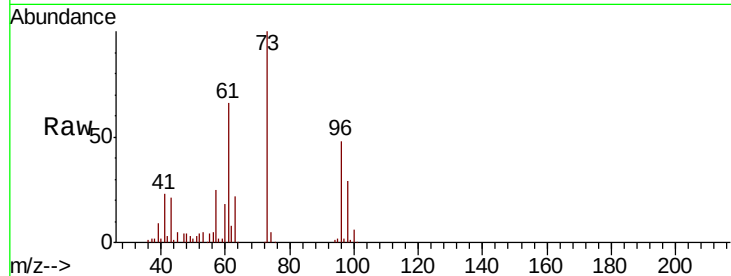
#21
trans-1,2-Dichloroethene
Concen: 20.538 ug/l
RT: 5.25 min Scan# 576
Delta R.T. -0.01 min
Lab File: VY002033.D
Acq: 20 Mar 2020 11:48

Instrument :
MSVOA_Y
ClientSampleId :
VY0320SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.5	107.7	161.5
98	61.3	49.3	73.9

Manual Integrations
APPROVED

MMDadoda
3/23/2020 2:21:23 PM

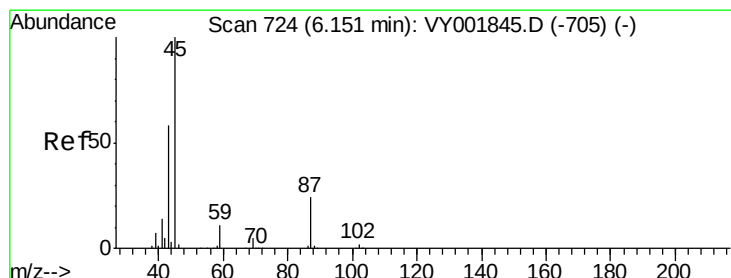
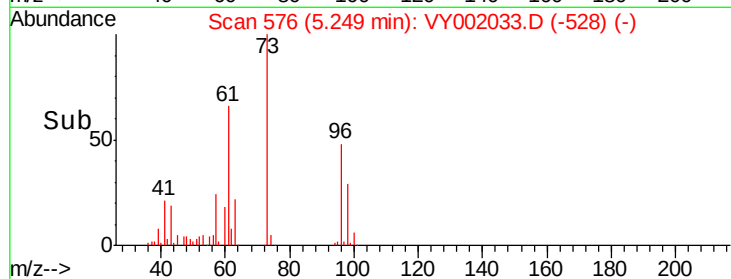
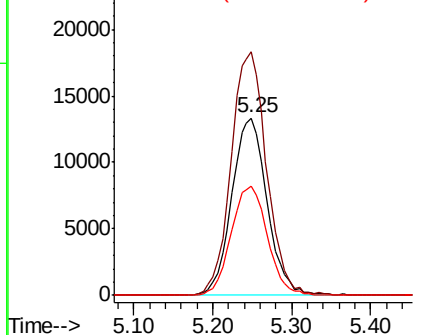


Abundance

Ion 95.90 (95.60 to 96.60): VY0

Ion 60.90 (60.60 to 61.60): VY0

Ion 97.90 (97.60 to 98.60): VY0



#22
Diisopropyl ether
Concen: 22.010 ug/l
RT: 6.14 min Scan# 723
Delta R.T. -0.01 min
Lab File: VY002033.D
Acq: 20 Mar 2020 11:48

Tgt Ion	Ratio	Lower	Upper
45	100		
43	56.0	47.2	70.8
87	24.5	19.8	29.8
59	11.9	8.8	13.2

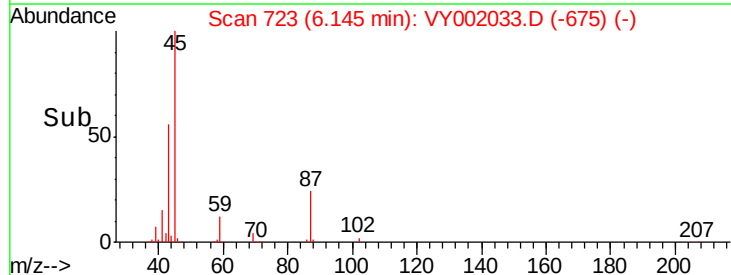
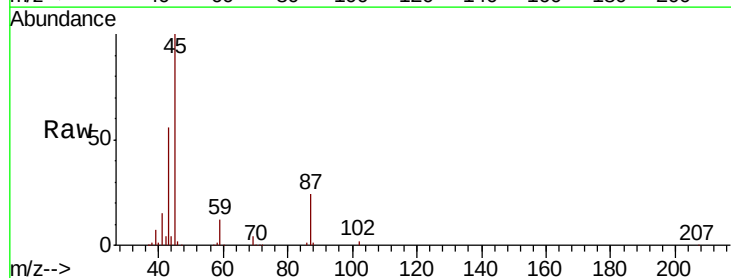
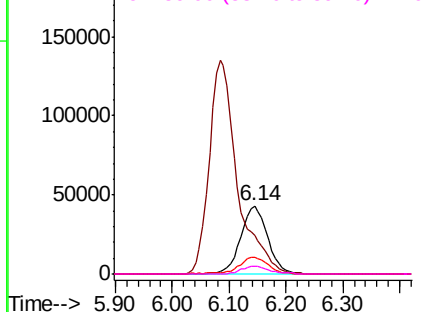
Abundance

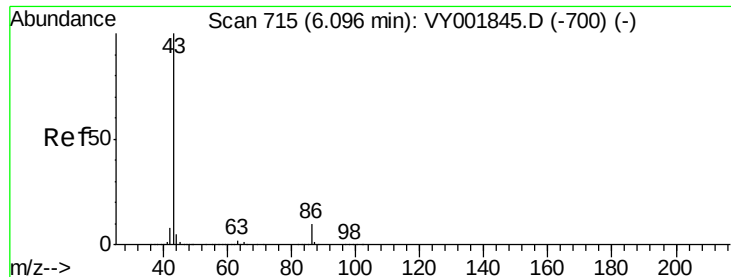
Ion 45.00 (44.70 to 45.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 87.00 (86.70 to 87.70): VY0

Ion 59.00 (58.70 to 59.70): VY0





#23

Vinyl Acetate

Concen: 109.023 ug/l

RT: 6.08 min Scan# 713

Delta R.T. -0.01 min

Lab File: VY002033.D

Acq: 20 Mar 2020 11:48

Instrument :

MSVOA_Y

ClientSampleId :

VY0320SBS01

Tot Ion: 43 Resp: 462935

Ion Ratio Lower Upper

43 100

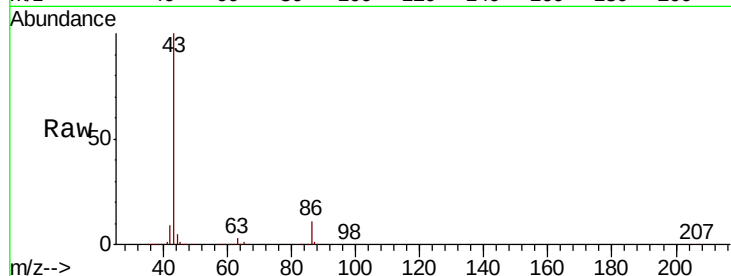
86 10.7 7.8 11.8

Manual Integrations

APPROVED

MMDadoda

3/23/2020 2:21:23 PM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

6.08

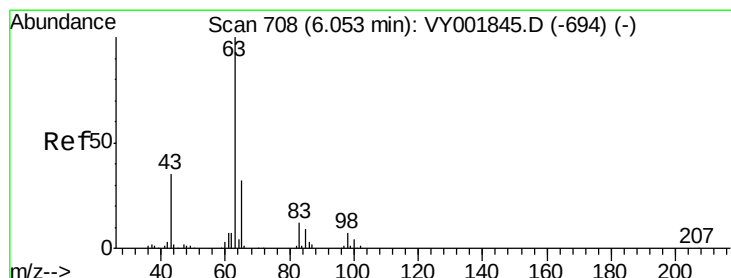
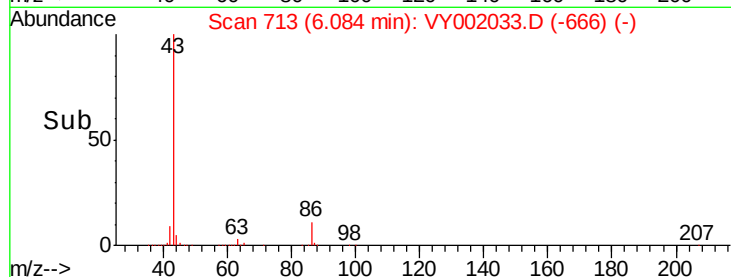
150000

100000

50000

0

Time--> 5.90 6.00 6.10 6.20 6.30



#24

1,1-Dichloroethane

Concen: 21.323 ug/l

RT: 6.05 min Scan# 707

Delta R.T. -0.01 min

Lab File: VY002033.D

Acq: 20 Mar 2020 11:48

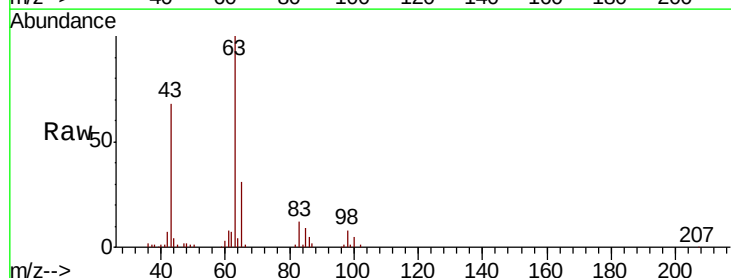
Tgt Ion: 63 Resp: 74792

Ion Ratio Lower Upper

63 100

98 7.6 3.4 10.2

100 5.0 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

6.05

30000

25000

20000

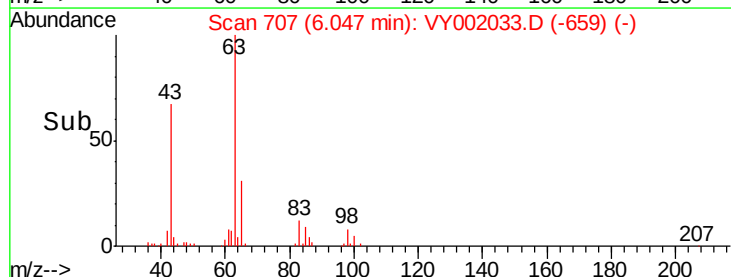
15000

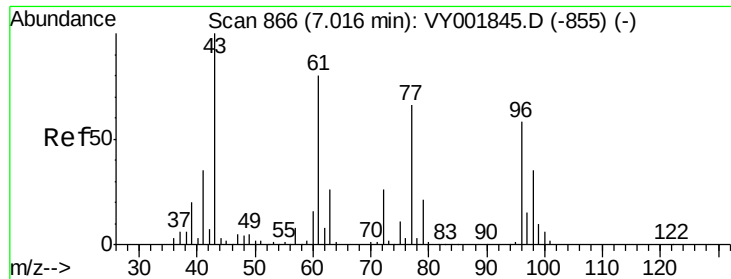
10000

5000

0

Time--> 5.90 6.00 6.10 6.20





#25

2-Butanone

Concen: 109.342 ug/l

RT: 7.01 min Scan# 865

Delta R.T. -0.01 min

Lab File: VY002033.D

Acq: 20 Mar 2020 11:48

Instrument :

MSVOA_Y

ClientSampleId :

VY0320SBS01

Tot Ion: 43 Resp: 82887

Ion Ratio Lower Upper

43 100

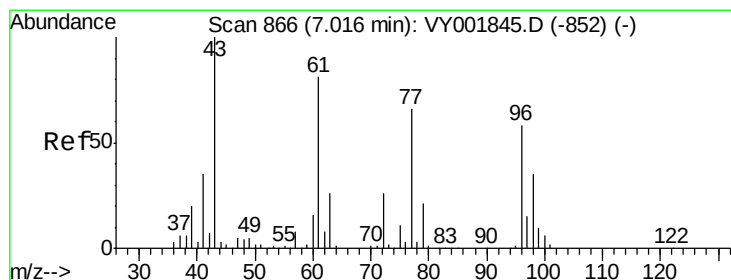
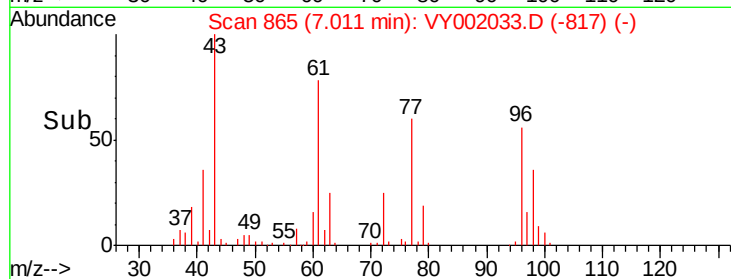
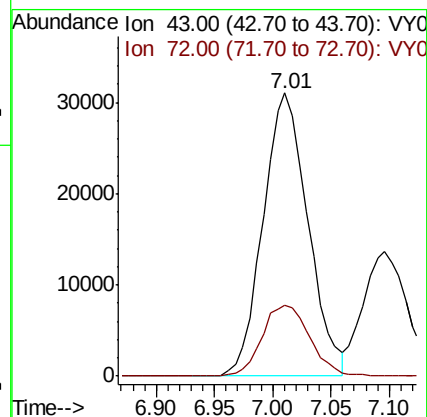
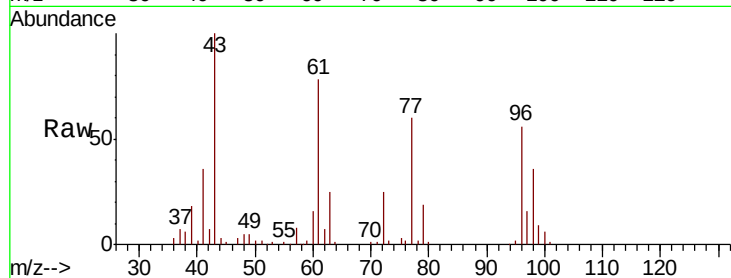
72 25.3 20.9 31.3

Manual Integrations

APPROVED

MMDadoda

3/23/2020 2:21:23 PM



#26

2,2-Dichloropropane

Concen: 21.481 ug/l

RT: 7.00 min Scan# 864

Delta R.T. -0.01 min

Lab File: VY002033.D

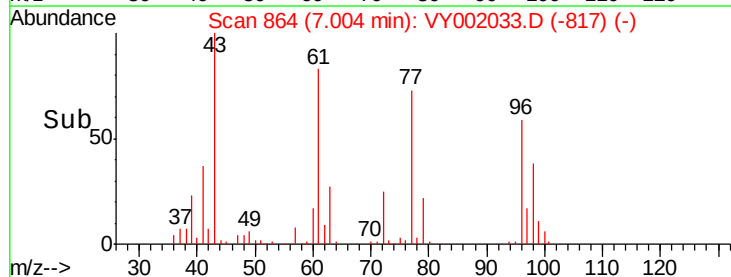
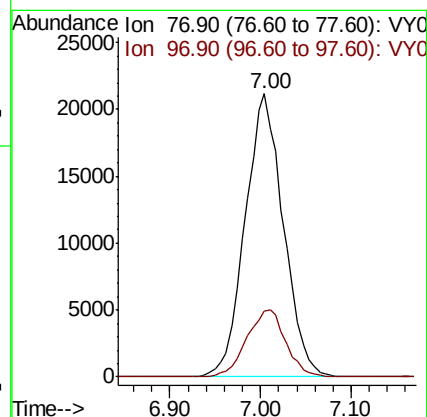
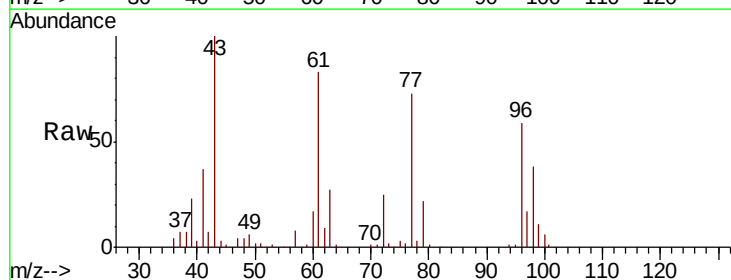
Acq: 20 Mar 2020 11:48

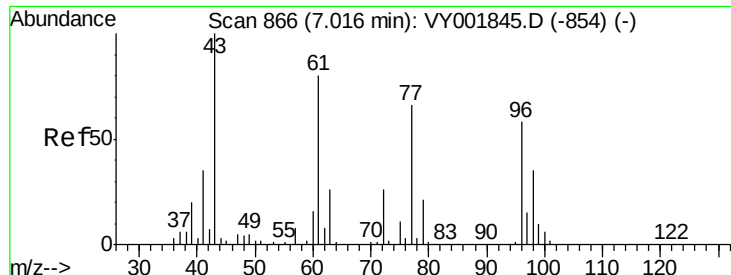
Tgt Ion: 77 Resp: 61841

Ion Ratio Lower Upper

77 100

97 24.1 11.9 35.7





#27

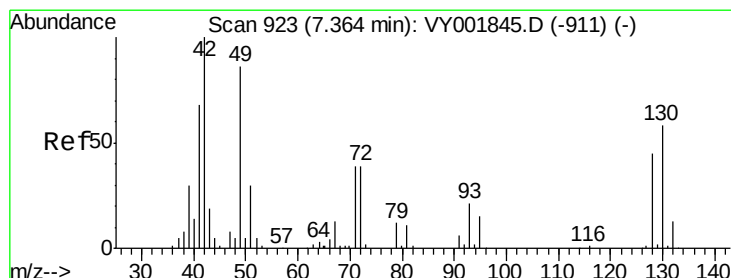
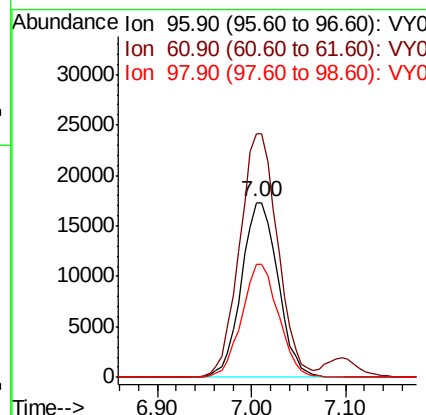
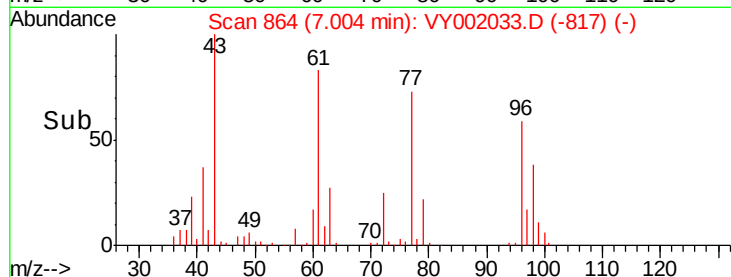
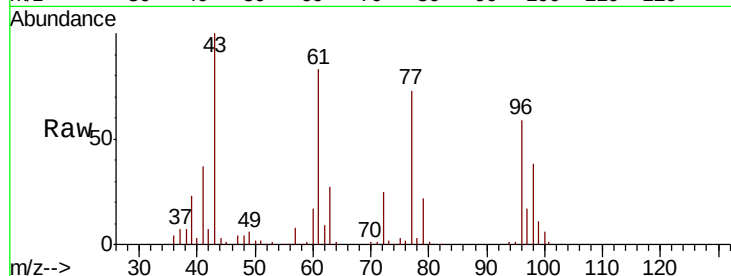
cis-1,2-Dichloroethene
Concen: 21.360 ug/l
RT: 7.00 min Scan# 864
Delta R.T. -0.01 min
Lab File: VY002033.D
Acq: 20 Mar 2020 11:48

Instrument :
MSVOA_Y
ClientSampleId :
VY0320SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	144.7	0.0	288.2
98	64.9	0.0	129.0

Manual Integrations
APPROVED

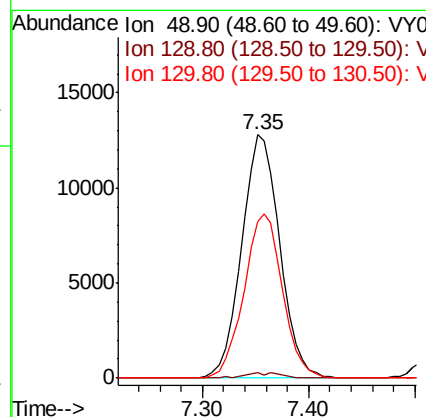
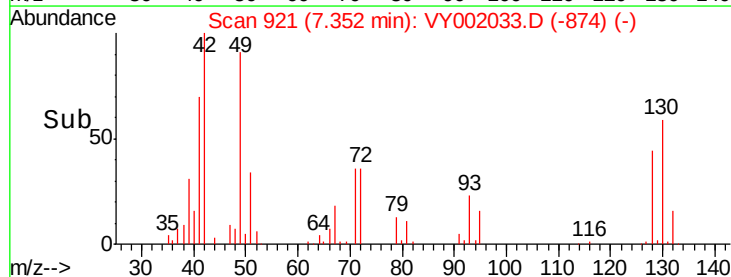
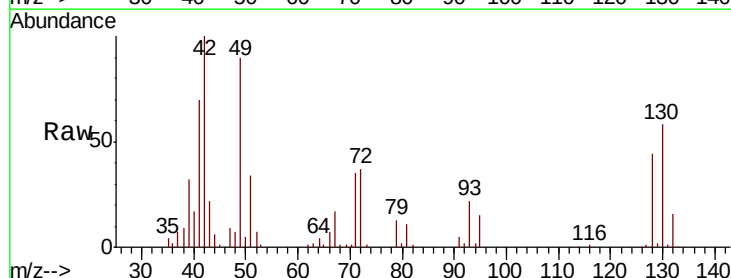
MMDadoda
3/23/2020 2:21:23 PM

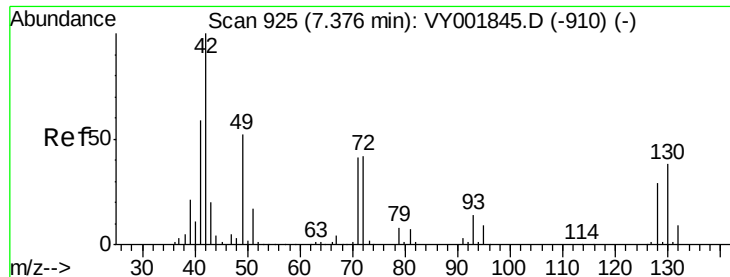


#28

Bromochloromethane
Concen: 20.300 ug/l
RT: 7.35 min Scan# 921
Delta R.T. -0.01 min
Lab File: VY002033.D
Acq: 20 Mar 2020 11:48

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	3.8
130	68.1	54.4	81.6





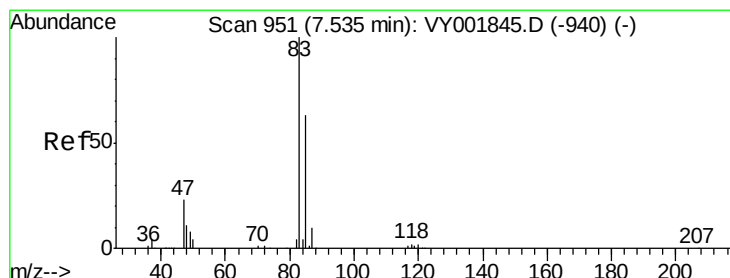
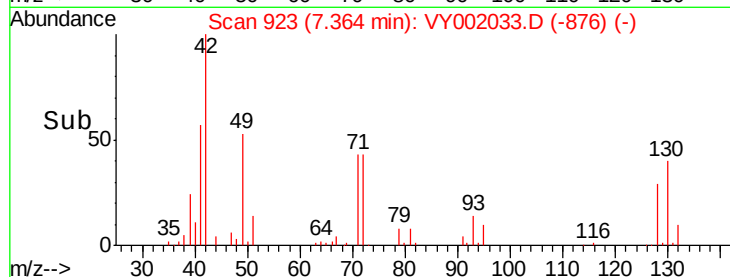
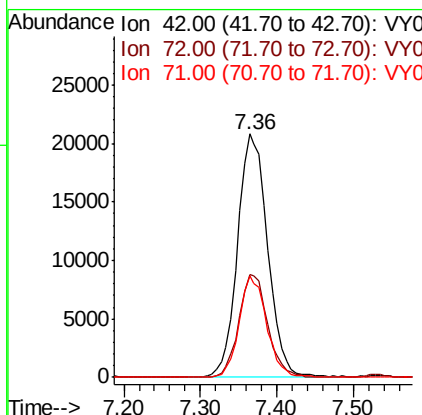
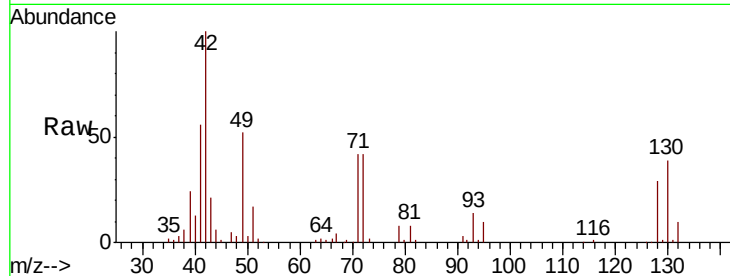
#29
Tetrahydrofuran
Concen: 112.735 ug/l
RT: 7.36 min Scan# 923
Delta R.T. -0.01 min
Lab File: VY002033.D
Acq: 20 Mar 2020 11:48

Instrument :
MSVOA_Y
ClientSampleId :
VY0320SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.3	33.5	50.3
71	38.0	31.3	46.9

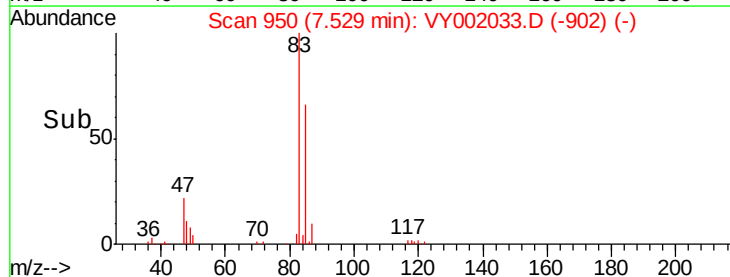
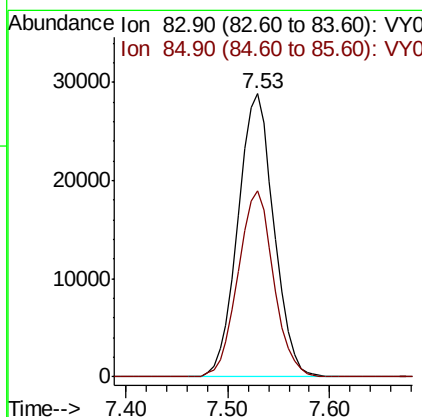
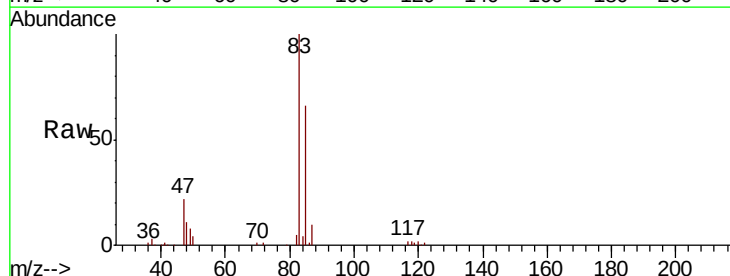
Manual Integrations
APPROVED

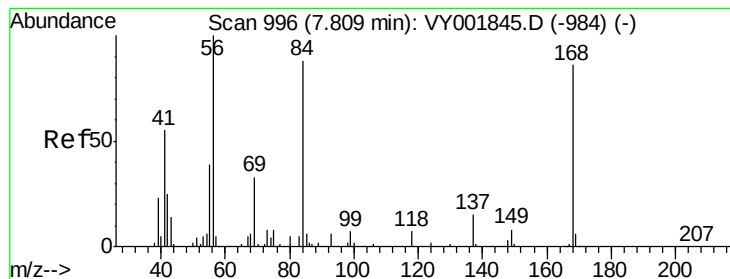
MMDadoda
3/23/2020 2:21:23 PM



#30
Chloroform
Concen: 21.454 ug/l
RT: 7.53 min Scan# 950
Delta R.T. -0.01 min
Lab File: VY002033.D
Acq: 20 Mar 2020 11:48

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	50.7	76.1





#31

Cyclohexane

Concen: 20.308 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.01 min

Lab File: VY002033.D

Acq: 20 Mar 2020 11:48

Instrument :

MSVOA_Y

ClientSampleId :

VY0320SBS01

Tot Ion: 56 Resp: 76375

Ion Ratio Lower Upper

56 100

69 36.9 26.7 40.1

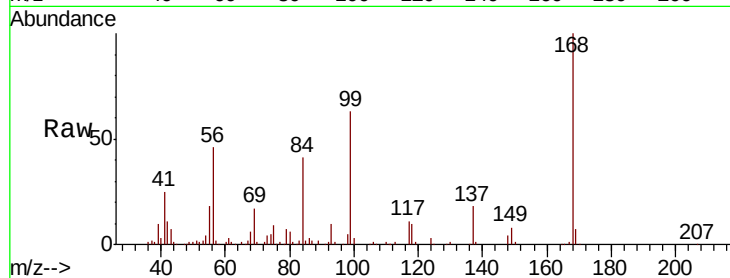
84 87.1 70.4 105.6

Manual Integrations

APPROVED

MMDadoda

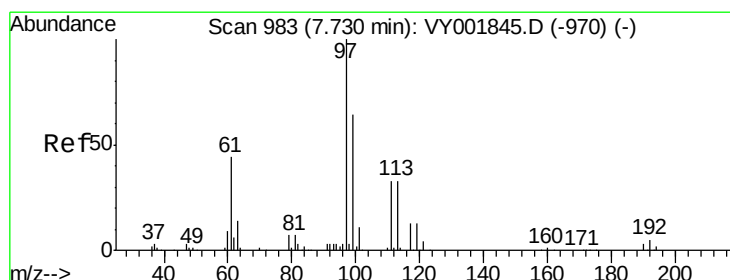
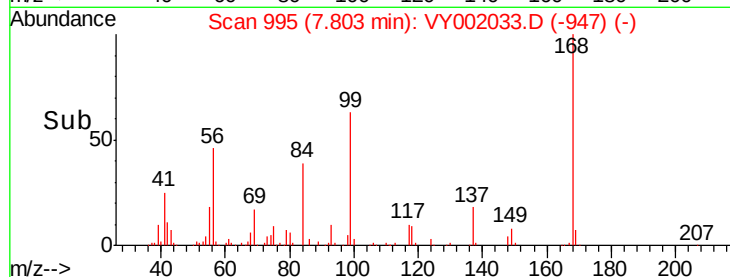
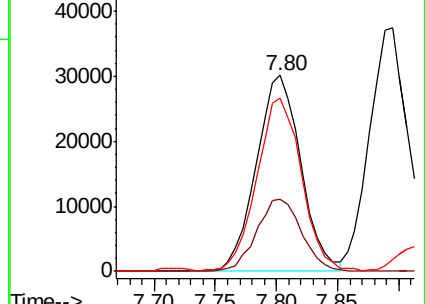
3/23/2020 2:21:23 PM



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: 21.848 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.01 min

Lab File: VY002033.D

Acq: 20 Mar 2020 11:48

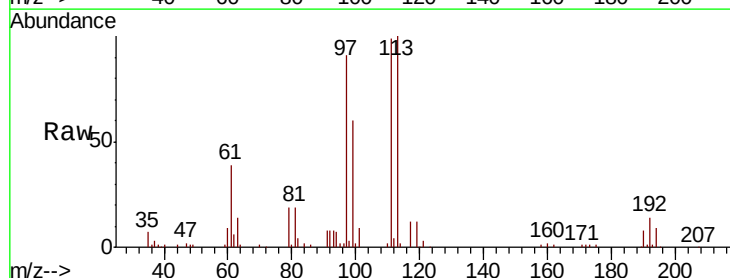
Tgt Ion: 97 Resp: 60683

Ion Ratio Lower Upper

97 100

99 64.3 52.0 78.0

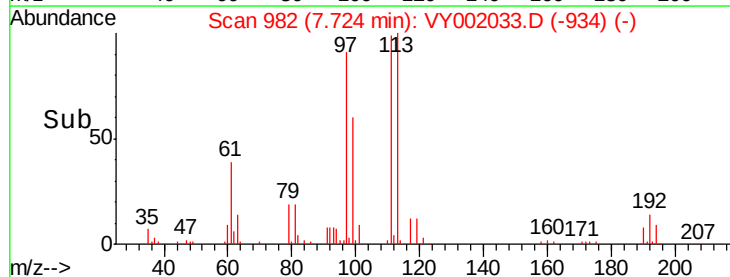
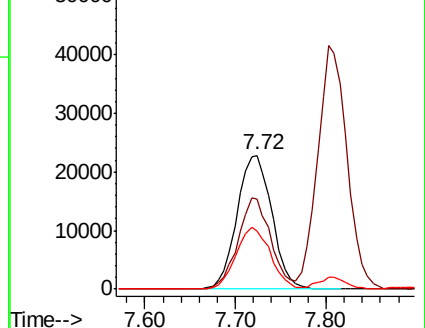
61 45.7 35.0 52.4

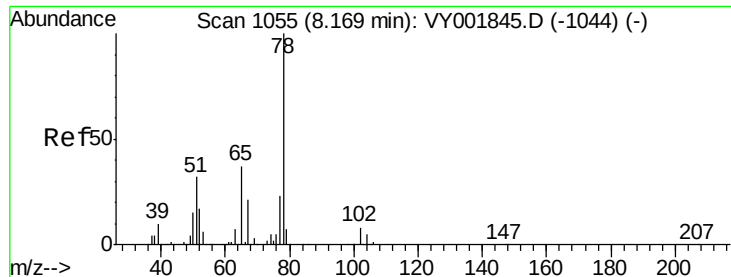


Abundance Ion 96.90 (96.60 to 97.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

Ion 60.90 (60.60 to 61.60): VY0





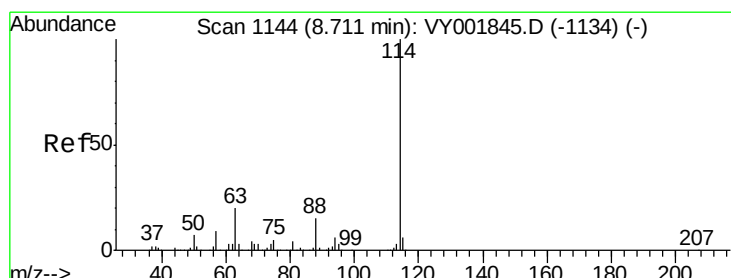
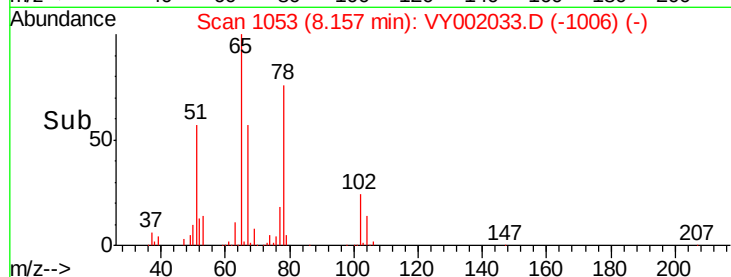
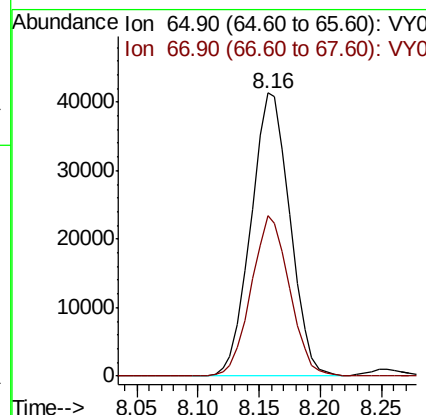
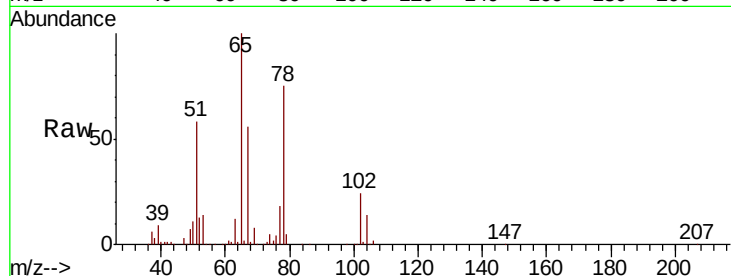
#33
 1,2-Dichloroethane-d4
 Concen: 53.592 ug/l
 RT: 8.16 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: VY002033.D
 Acq: 20 Mar 2020 11:48

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0320SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	55.6	0.0	110.8	

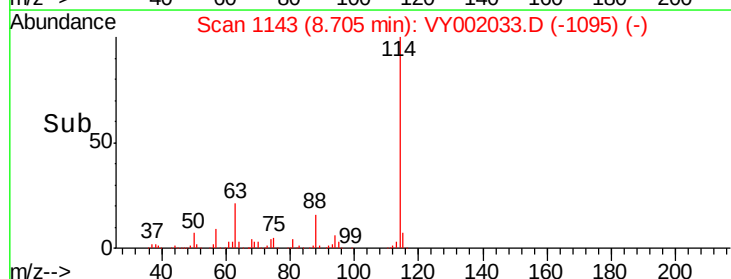
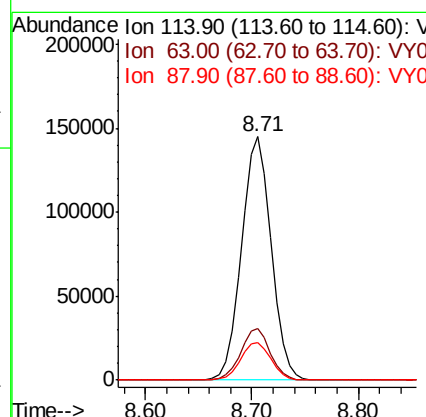
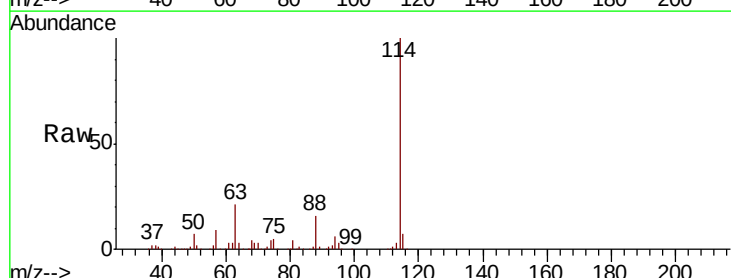
Manual Integrations
 APPROVED

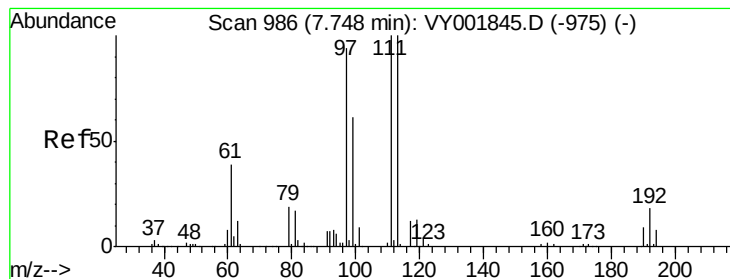
MMDadoda
 3/23/2020 2:21:23 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. -0.01 min
 Lab File: VY002033.D
 Acq: 20 Mar 2020 11:48

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	21.0	0.0	39.4	
88	15.6	0.0	30.4	





#35

Dibromofluoromethane

Concen: 55.058 ug/l

RT: 7.74 min Scan# 984

Delta R.T. -0.01 min

Lab File: VY002033.D

Acq: 20 Mar 2020 11:48

Instrument :

MSVOA_Y

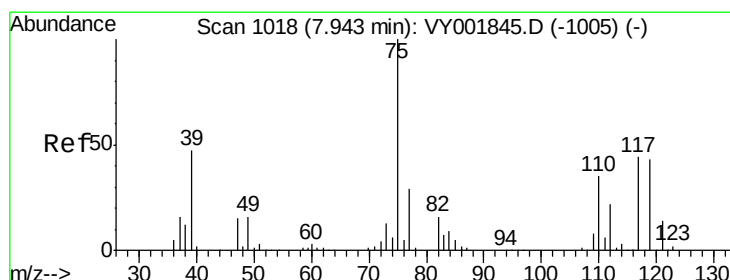
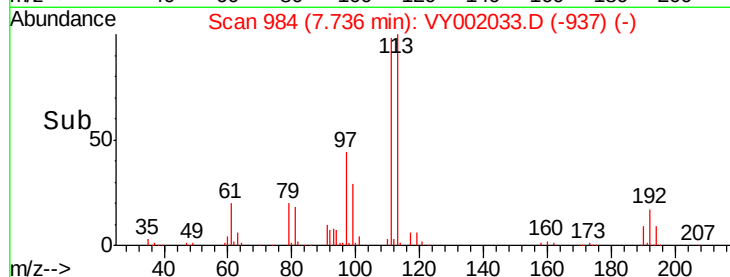
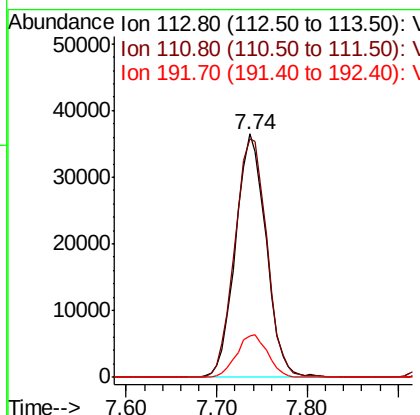
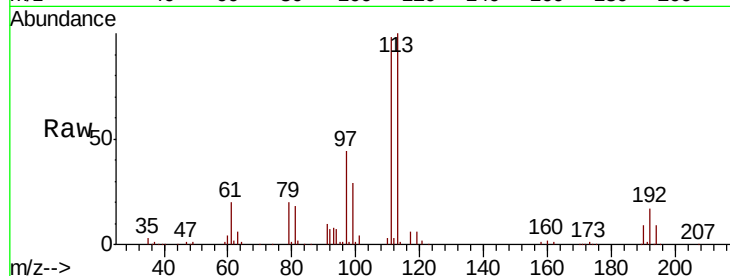
ClientSampleId :

VY0320SBS01

Tot Ion:	113	Resp:	85221
Ion Ratio	Lower	Upper	
113	100		
111	103.2	81.8	122.8
192	17.9	14.2	21.2

Manual Integrations
APPROVED

MMDadoda
3/23/2020 2:21:23 PM



#36

1,1-Dichloropropene

Concen: 21.679 ug/l

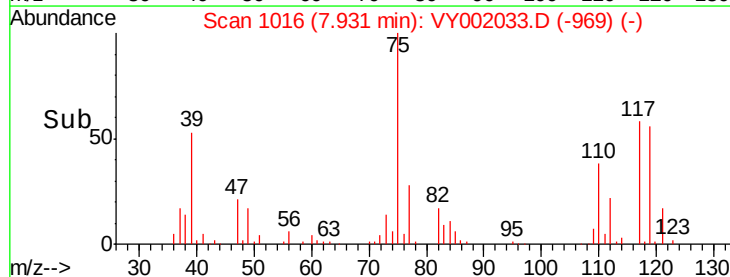
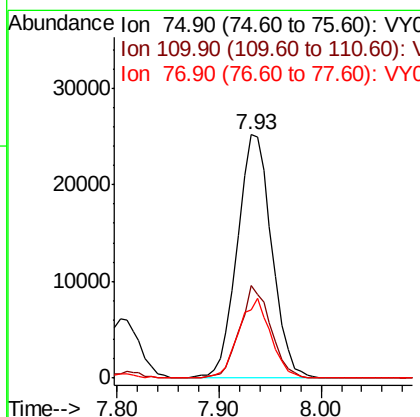
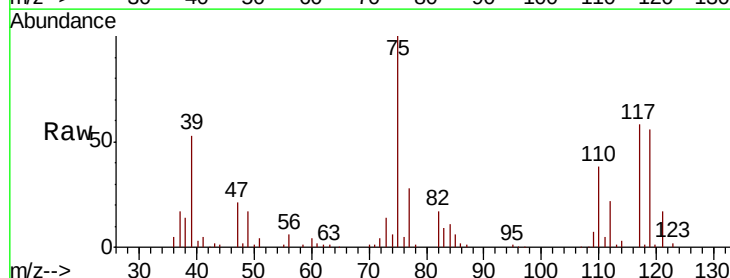
RT: 7.93 min Scan# 1016

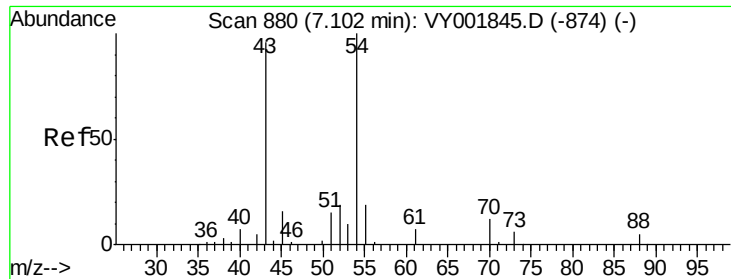
Delta R.T. -0.01 min

Lab File: VY002033.D

Acq: 20 Mar 2020 11:48

Tgt Ion:	75	Resp:	59136
Ion Ratio	Lower	Upper	
75	100		
110	34.0	17.4	52.2
77	30.8	24.2	36.2





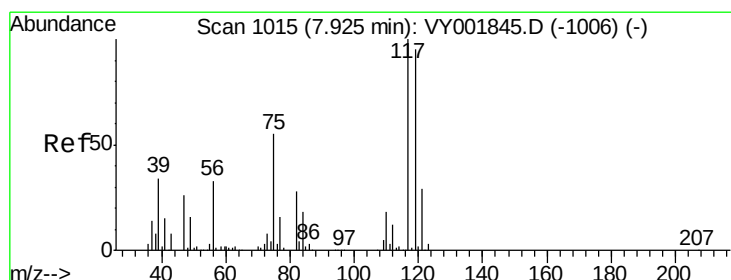
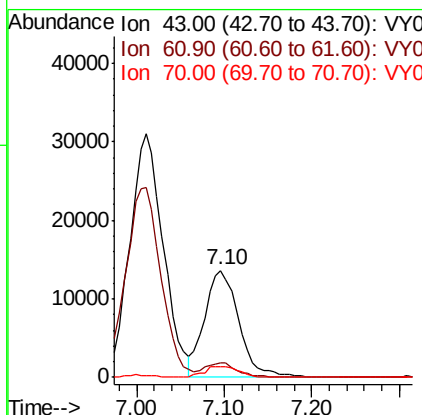
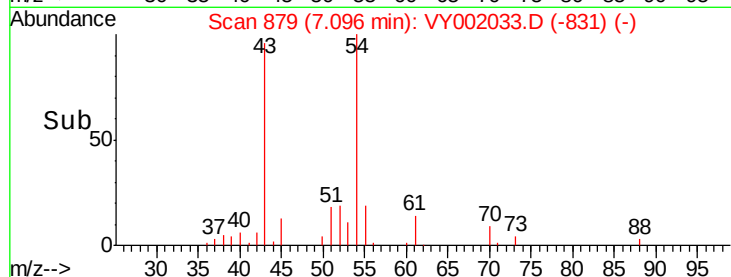
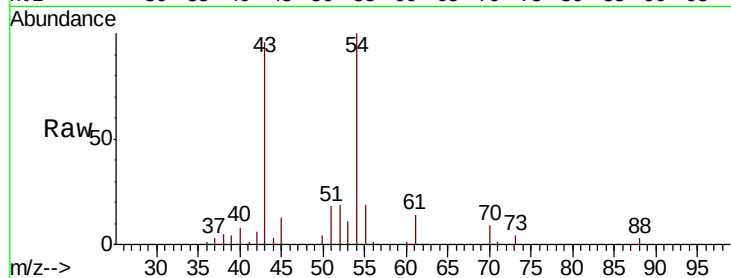
#37
Ethyl Acetate
Concen: 23.472 ug/l
RT: 7.10 min Scan# 879
Delta R.T. -0.01 min
Lab File: VY002033.D
Acq: 20 Mar 2020 11:48

Instrument :
MSVOA_Y
ClientSampleId :
VY0320SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.9	11.1	16.7
70	9.9	8.2	12.4

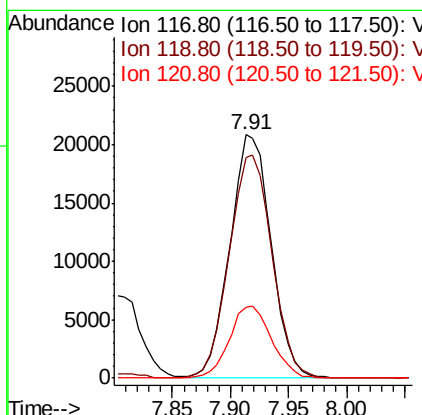
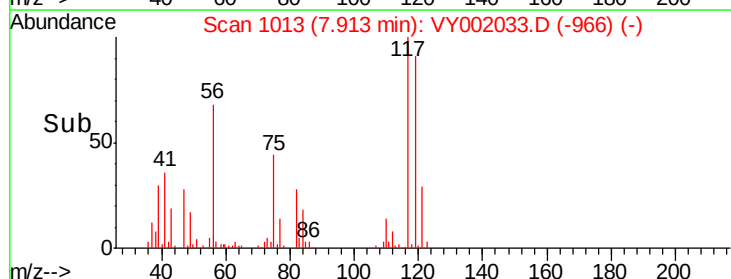
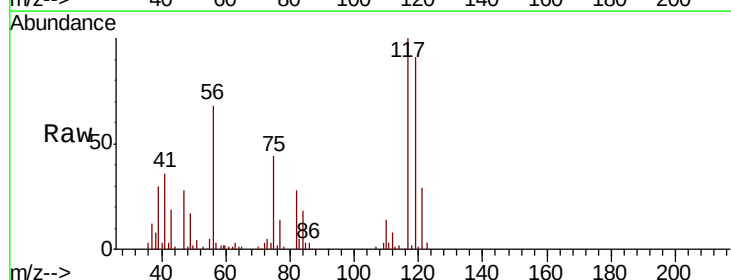
Manual Integrations
APPROVED

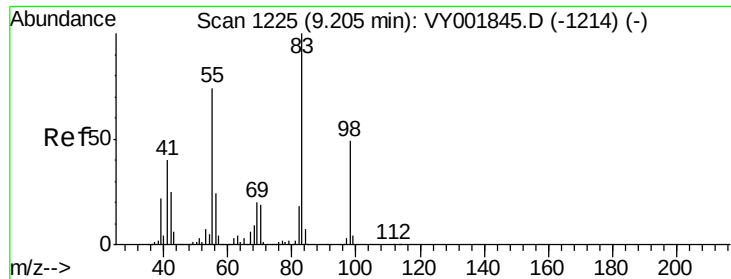
MMDadoda
3/23/2020 2:21:23 PM



#38
Carbon Tetrachloride
Concen: 22.090 ug/l
RT: 7.91 min Scan# 1013
Delta R.T. -0.01 min
Lab File: VY002033.D
Acq: 20 Mar 2020 11:48

Tgt Ion	Ratio	Lower	Upper
117	100		
119	90.6	76.3	114.5
121	29.3	23.5	35.3





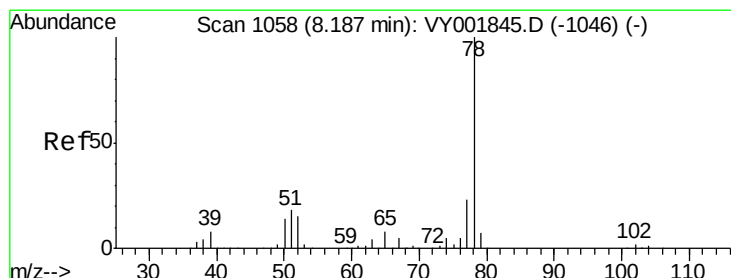
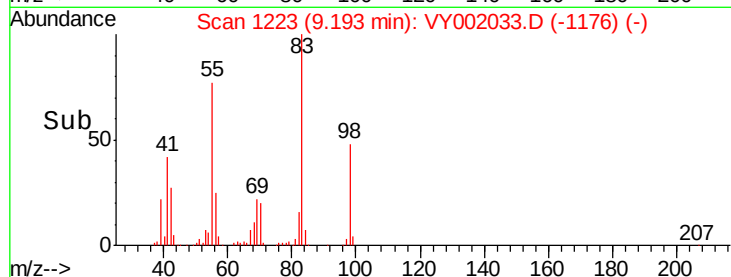
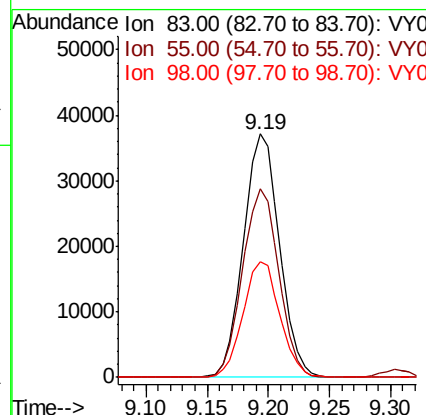
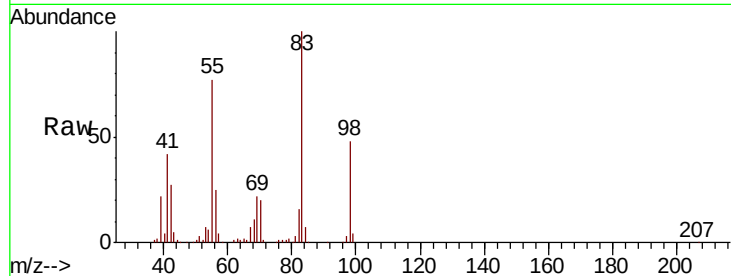
#39
Methylvlcyclohexane
Concen: 21.055 ug/l
RT: 9.19 min Scan# 1223
Delta R.T. -0.01 min
Lab File: VY002033.D
Acq: 20 Mar 2020 11:48

Instrument :
MSVOA_Y
ClientSampleId :
VY0320SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.4	59.4	89.0
98	47.7	38.9	58.3

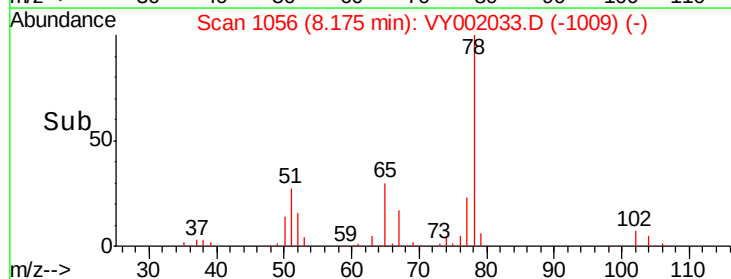
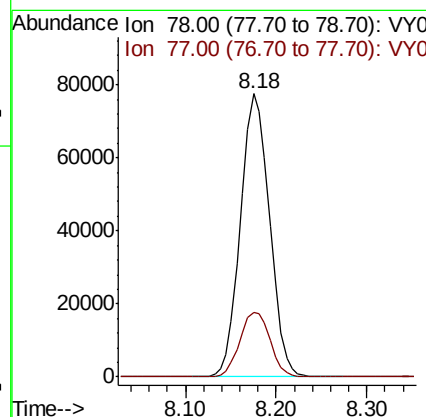
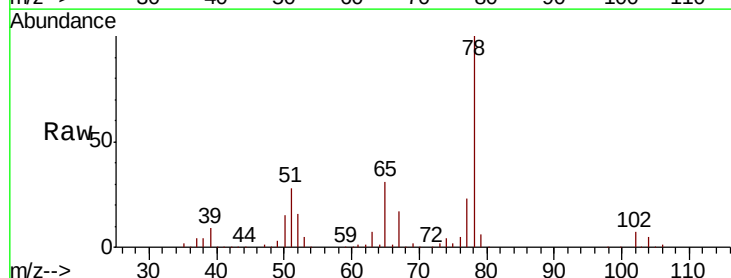
Manual Integrations
APPROVED

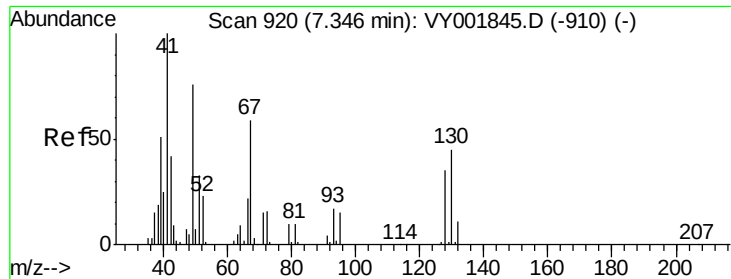
MMDadoda
3/23/2020 2:21:23 PM



#40
Benzene
Concen: 21.357 ug/l
RT: 8.18 min Scan# 1056
Delta R.T. -0.01 min
Lab File: VY002033.D
Acq: 20 Mar 2020 11:48

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	18.7	28.1





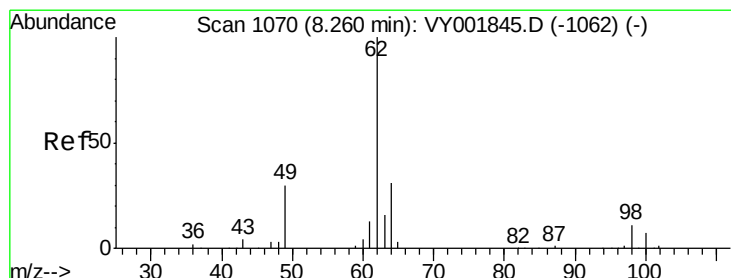
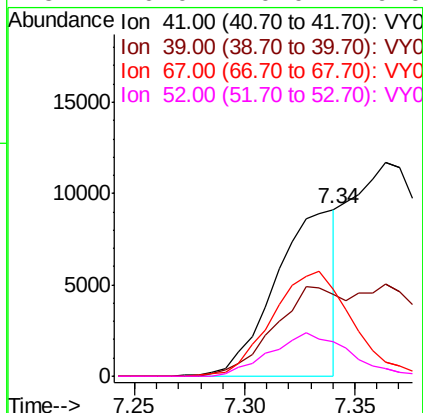
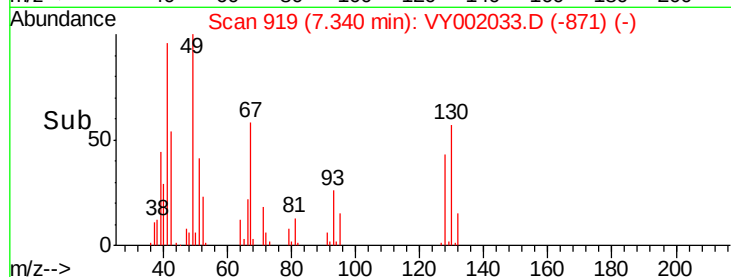
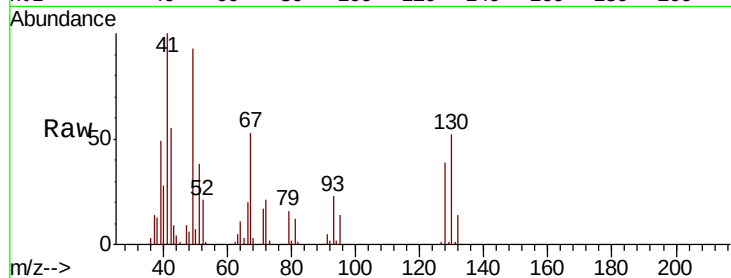
#41
Methacrylonitrile
Concen: 24.581 ug/l m
RT: 7.34 min Scan# 919
Delta R.T. -0.01 min
Lab File: VY002033.D
Acq: 20 Mar 2020 11:48

Instrument :
MSVOA_Y
ClientSampleId :
VY0320SBS01

Tot Ion:	41	Resp:	17538
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

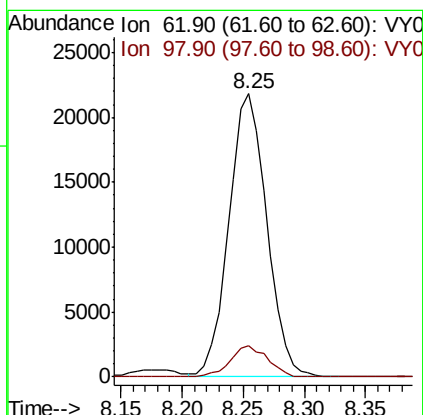
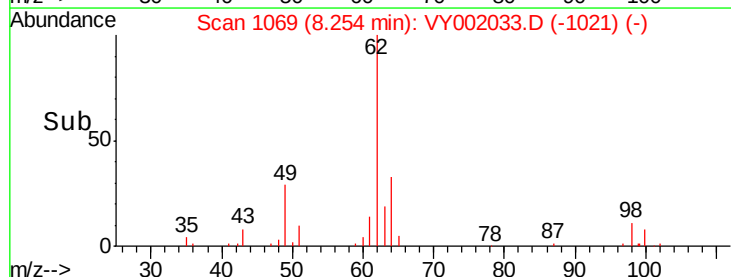
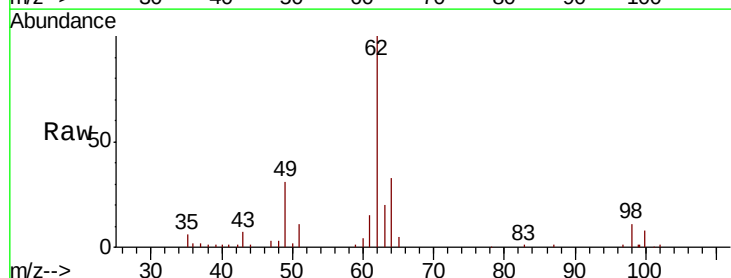
Manual Integrations
APPROVED

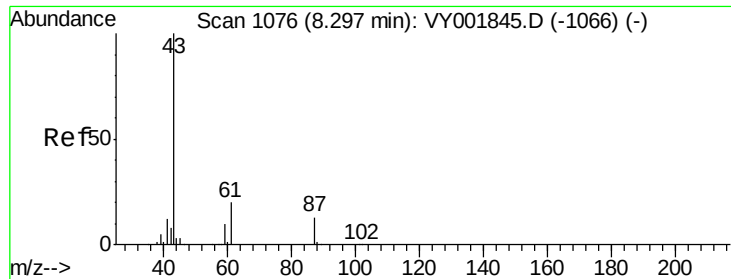
MMDadoda
3/23/2020 2:21:23 PM



#42
1,2-Dichloroethane
Concen: 22.475 ug/l
RT: 8.25 min Scan# 1069
Delta R.T. -0.01 min
Lab File: VY002033.D
Acq: 20 Mar 2020 11:48

Tgt Ion:	62	Resp:	46824
Ion	Ratio	Lower	Upper
62	100		
98	10.7	0.0	21.4





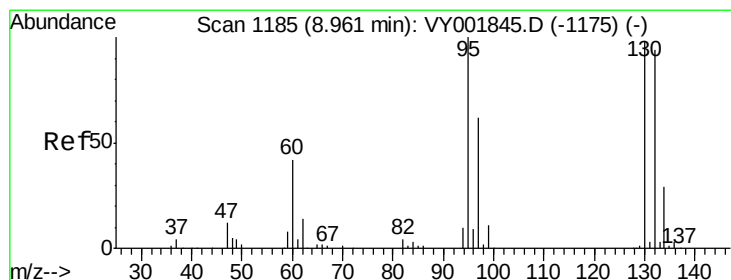
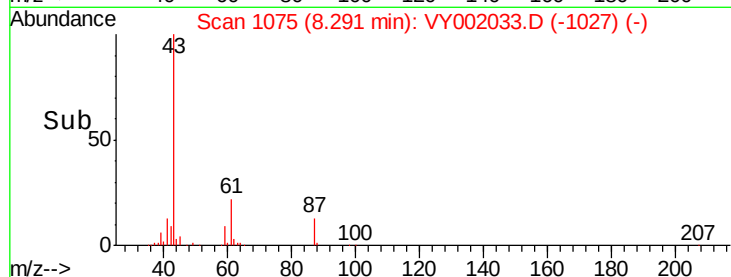
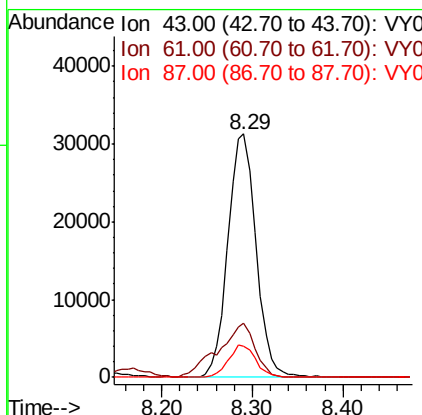
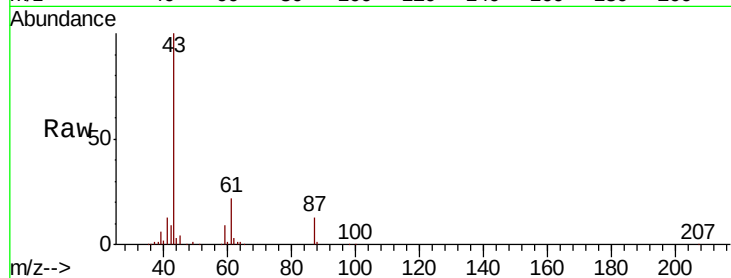
#43
Isopropyl Acetate
Concen: 22.498 ug/l
RT: 8.29 min Scan# 1075
Delta R.T. -0.01 min
Lab File: VY002033.D
Acq: 20 Mar 2020 11:48

Instrument :
MSVOA_Y
ClientSampleId :
VY0320SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.2	23.8	35.6
87	12.9	10.9	16.3

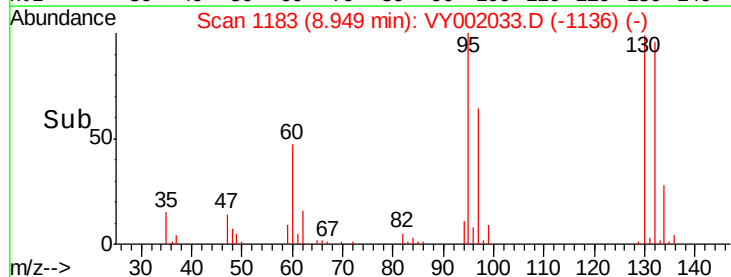
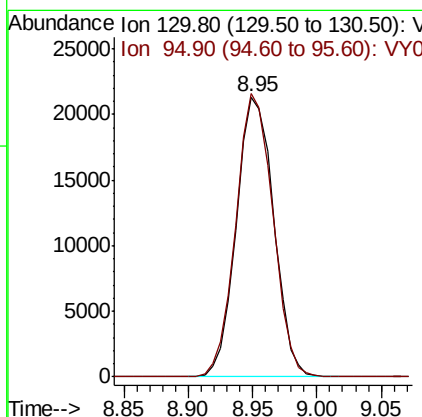
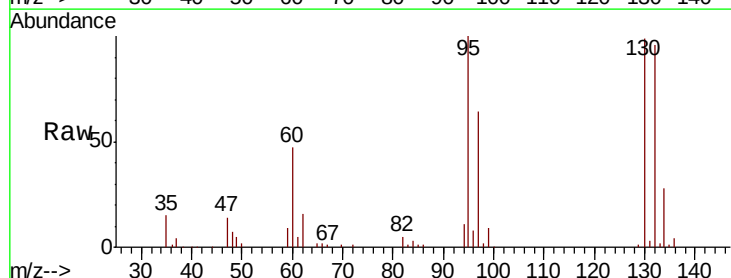
Manual Integrations
APPROVED

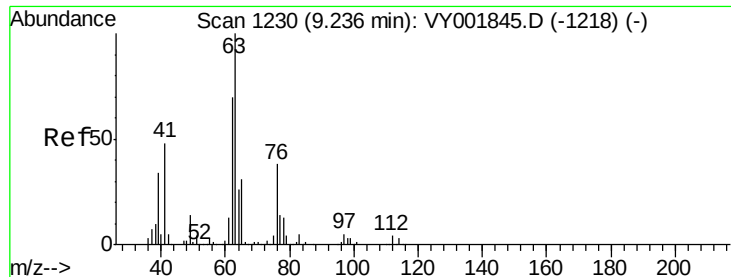
MMDadoda
3/23/2020 2:21:23 PM



#44
Trichloroethene
Concen: 21.744 ug/l
RT: 8.95 min Scan# 1183
Delta R.T. -0.01 min
Lab File: VY002033.D
Acq: 20 Mar 2020 11:48

Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.1	0.0	204.6





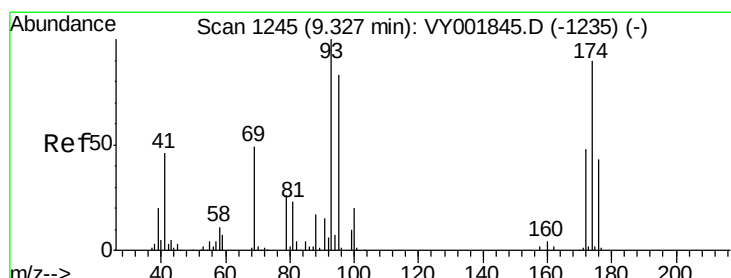
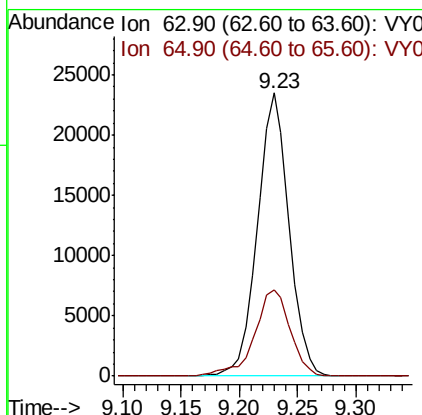
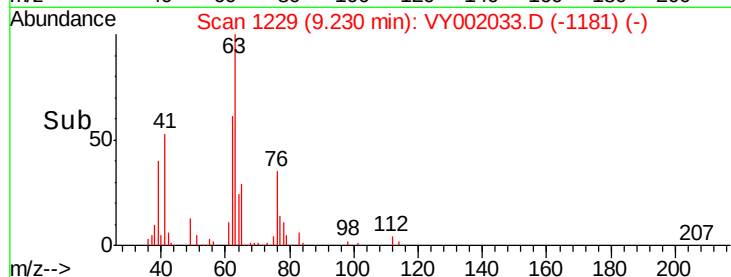
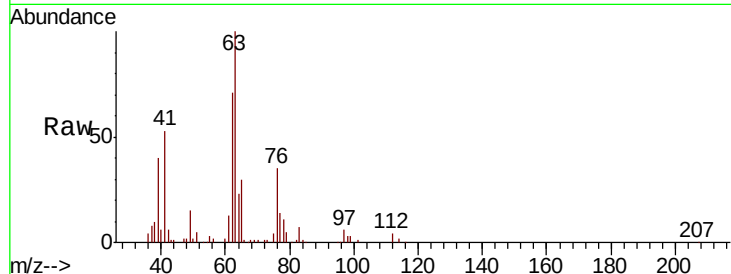
#45
 1,2-Dichloropropane
 Concen: 21.776 ug/l
 RT: 9.23 min Scan# 1229
 Delta R.T. -0.01 min
 Lab File: VY002033.D
 Acq: 20 Mar 2020 11:48

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0320SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.4	24.9	37.3

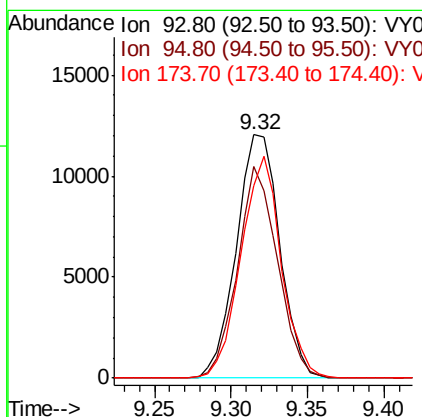
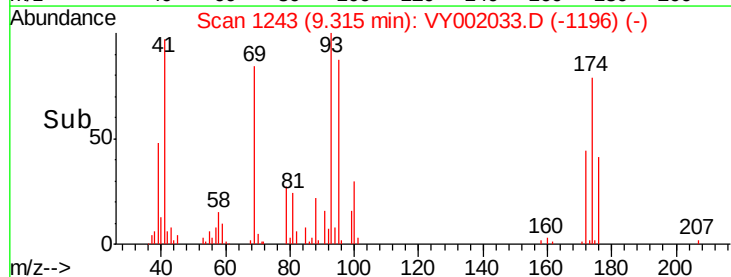
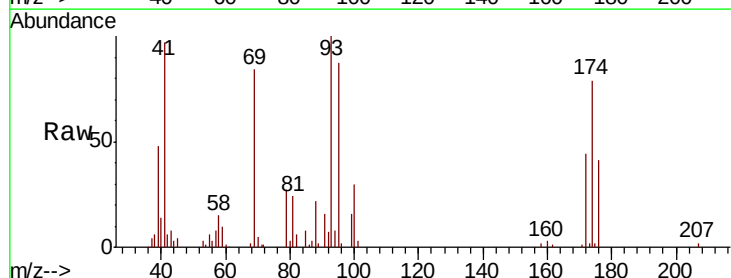
Manual Integrations
 APPROVED

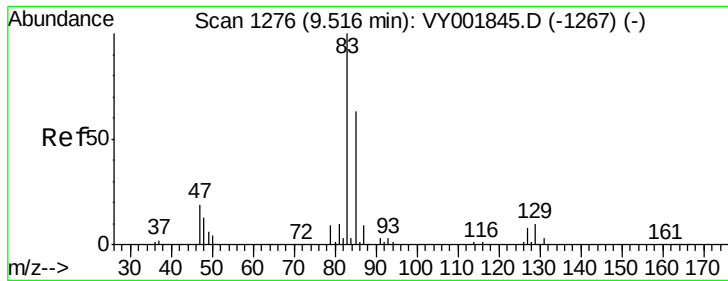
MMDadoda
 3/23/2020 2:21:23 PM



#46
 Dibromomethane
 Concen: 22.684 ug/l
 RT: 9.32 min Scan# 1243
 Delta R.T. -0.01 min
 Lab File: VY002033.D
 Acq: 20 Mar 2020 11:48

Tgt Ion	Ratio	Lower	Upper
93	100		
95	80.2	67.0	100.4
174	84.8	71.8	107.8





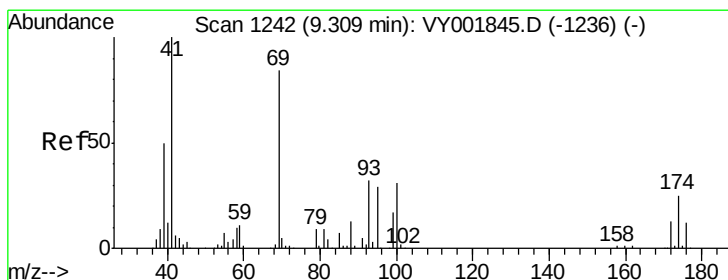
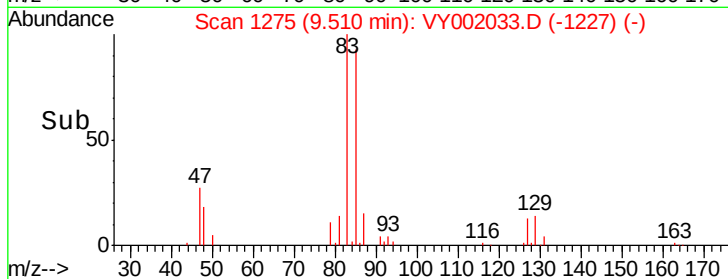
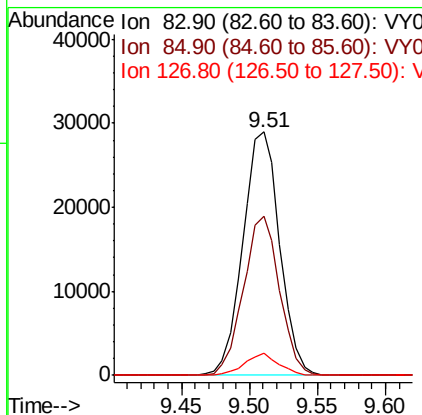
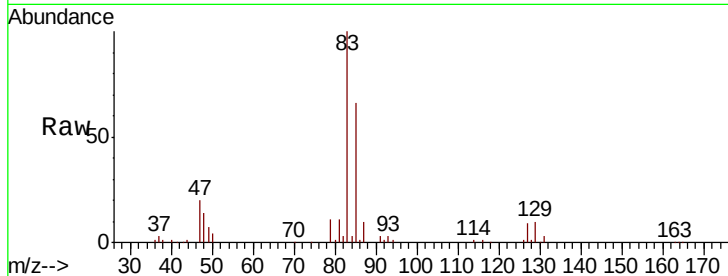
#47
Bromodichloromethane
Concen: 22.471 ug/l
RT: 9.51 min Scan# 1275
Delta R.T. -0.01 min
Lab File: VY002033.D
Acq: 20 Mar 2020 11:48

Instrument :
MSVOA_Y
ClientSampleId :
VY0320SBS01

Tot Ion	83	Resp	54749
Ion Ratio	100	Lower	Upper
83	100		
85	65.6	50.6	76.0
127	8.9	6.2	9.4

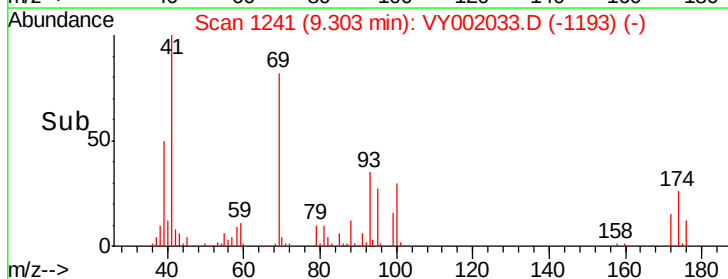
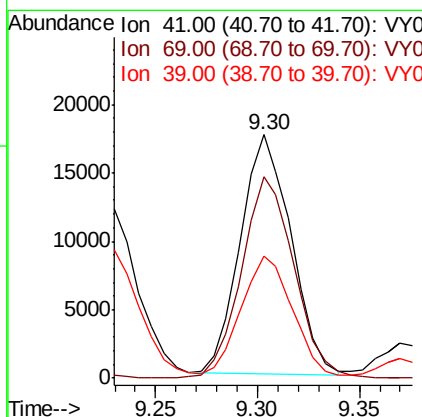
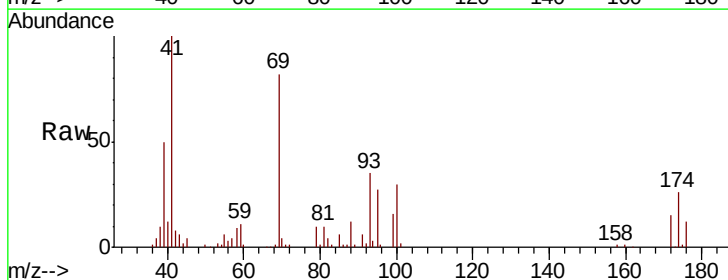
Manual Integrations
APPROVED

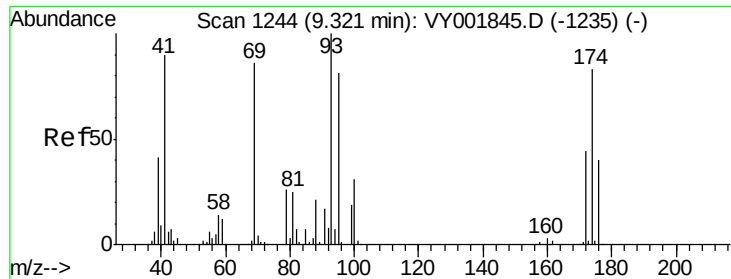
MMDadoda
3/23/2020 2:21:23 PM



#48
Methyl methacrylate
Concen: 22.732 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. -0.01 min
Lab File: VY002033.D
Acq: 20 Mar 2020 11:48

Tgt Ion	41	Resp	30277
Ion Ratio	100	Lower	Upper
41	100		
69	87.1	69.0	103.6
39	52.7	39.1	58.7





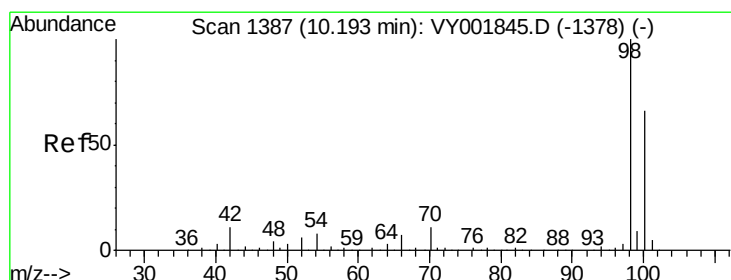
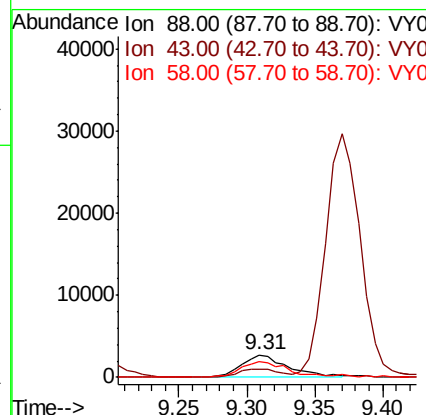
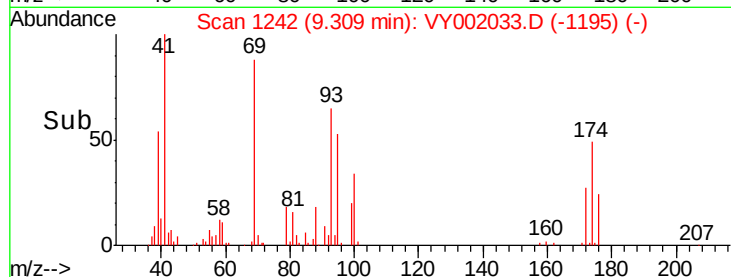
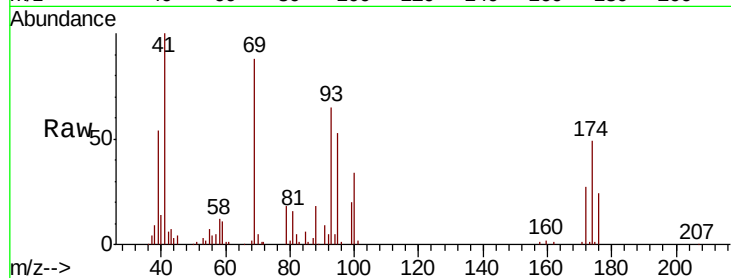
#49
1,4-Dioxane
Concen: 455.417 ug/l
RT: 9.31 min Scan# 1242
Delta R.T. -0.01 min
Lab File: VY002033.D
Acq: 20 Mar 2020 11:48

Instrument :
MSVOA_Y
ClientSampleId :
VY0320SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.9	25.0	37.6
58	70.8	58.9	88.3

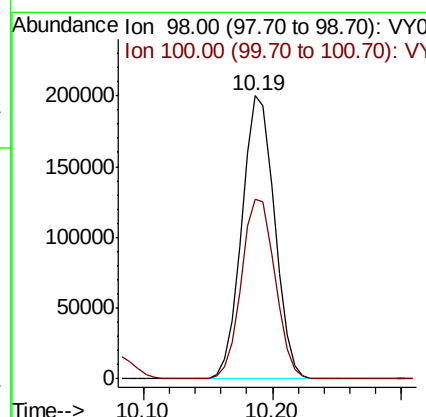
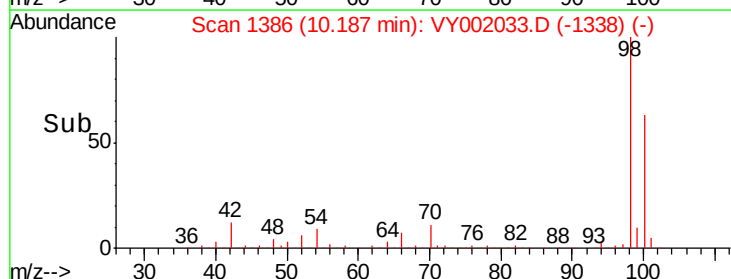
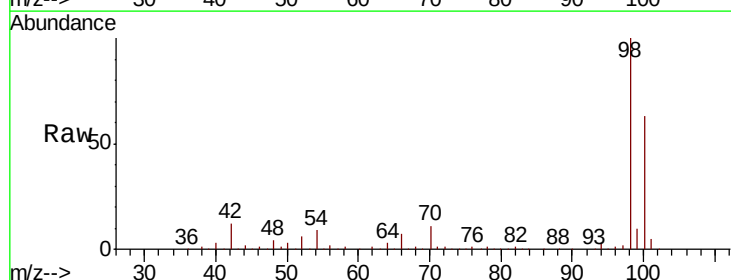
Manual Integrations
APPROVED

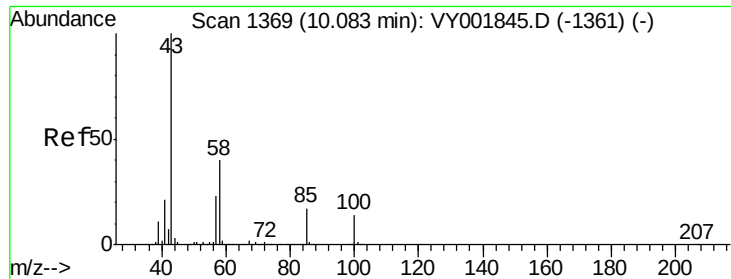
MMDadoda
3/23/2020 2:21:23 PM



#50
Toluene-d8
Concen: 53.810 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. -0.01 min
Lab File: VY002033.D
Acq: 20 Mar 2020 11:48

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.3	53.0	79.4





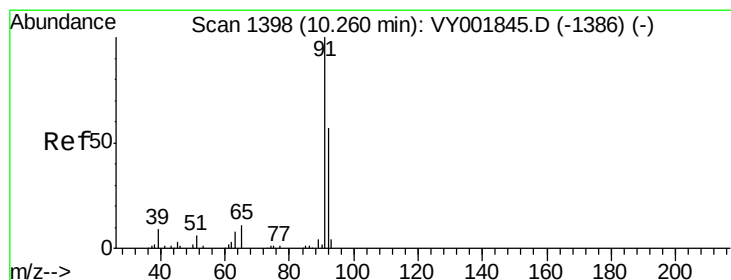
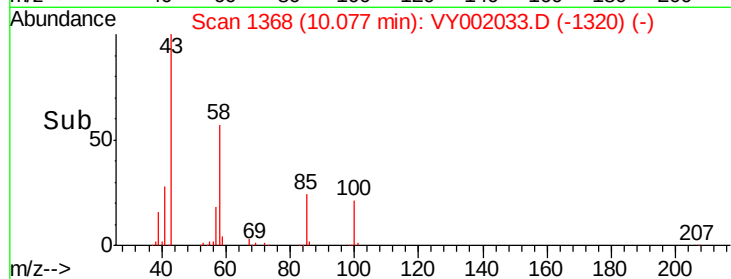
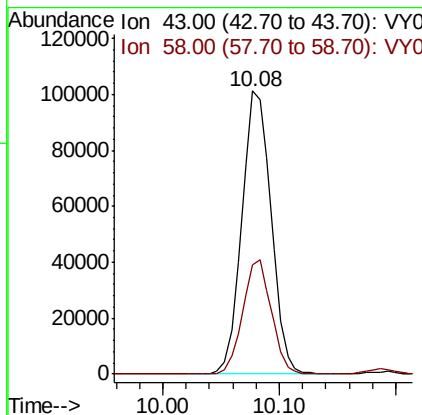
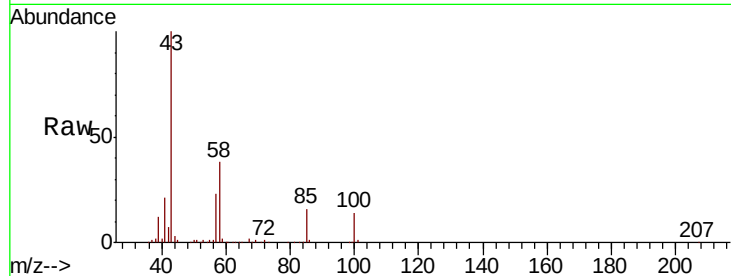
#51
 4-Methyl-2-Pentanone
 Concen: 115.398 ug/l
 RT: 10.08 min Scan# 1368
 Delta R.T. -0.01 min
 Lab File: VY002033.D
 Acq: 20 Mar 2020 11:48

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0320SBS01

Tot Ion	43	58	Ratio	Lower	Upper
178409	100	39.3		32.0	48.0

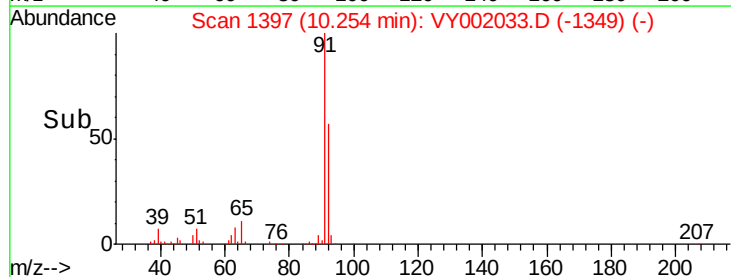
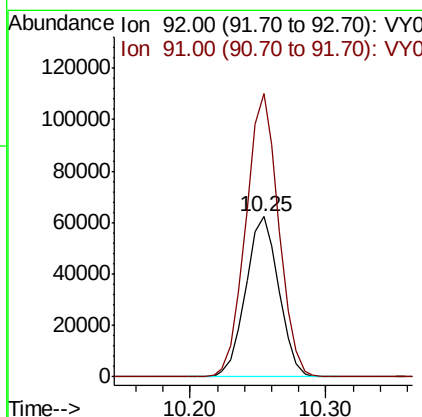
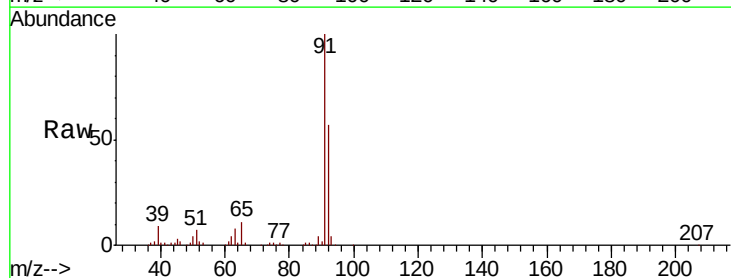
Manual Integrations
 APPROVED

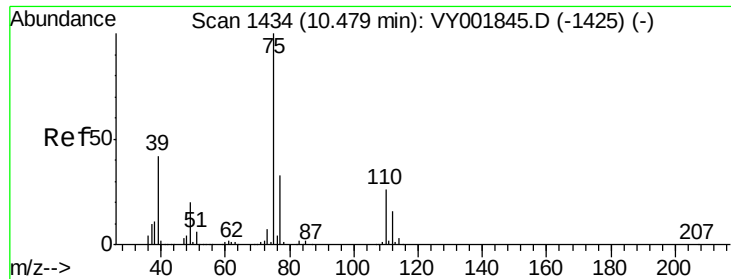
MMDadoda
 3/23/2020 2:21:23 PM



#52
 Toluene
 Concen: 21.568 ug/l
 RT: 10.25 min Scan# 1397
 Delta R.T. -0.01 min
 Lab File: VY002033.D
 Acq: 20 Mar 2020 11:48

Tgt Ion	92	91	Ratio	Lower	Upper
105933	100	175.2		138.6	208.0





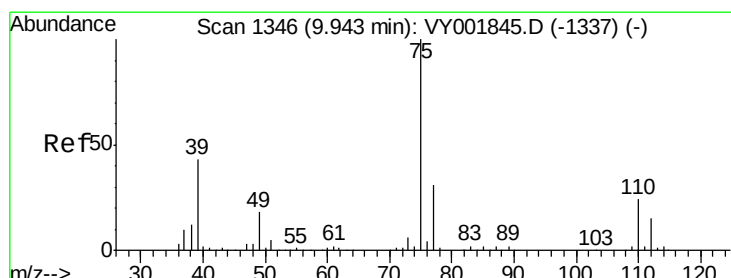
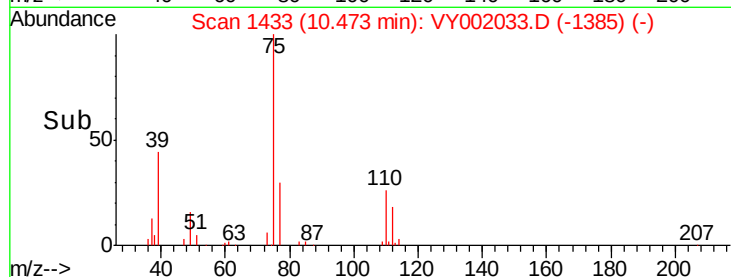
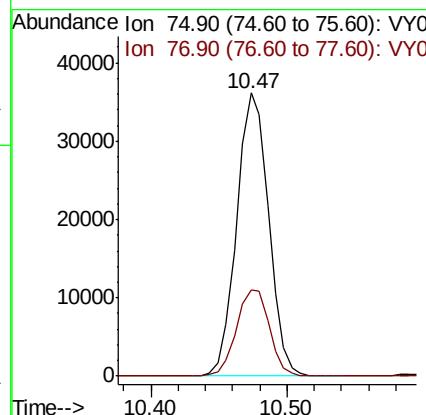
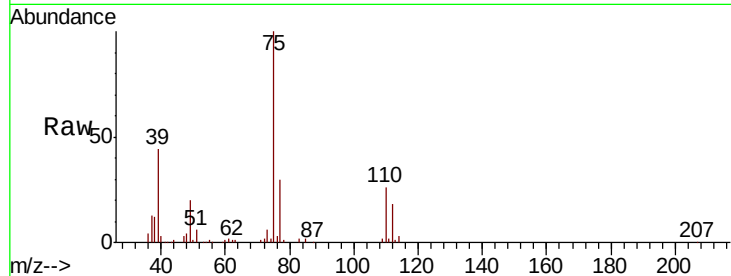
#53
t-1,3-Dichloropropene
Concen: 22.249 ug/l
RT: 10.47 min Scan# 1433
Delta R.T. -0.01 min
Lab File: VY002033.D
Acq: 20 Mar 2020 11:48

Instrument :
MSVOA_Y
ClientSampleId :
VY0320SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.4	26.3	39.5

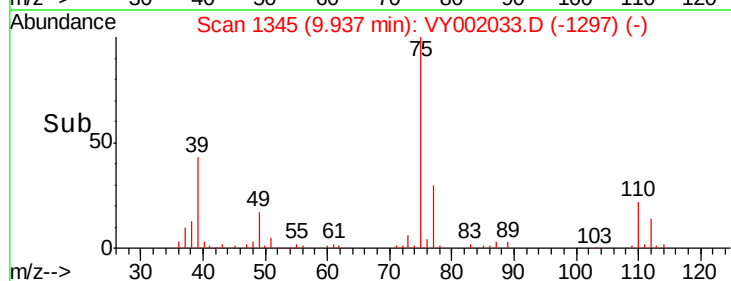
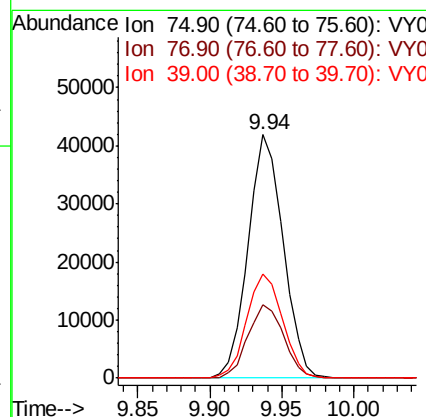
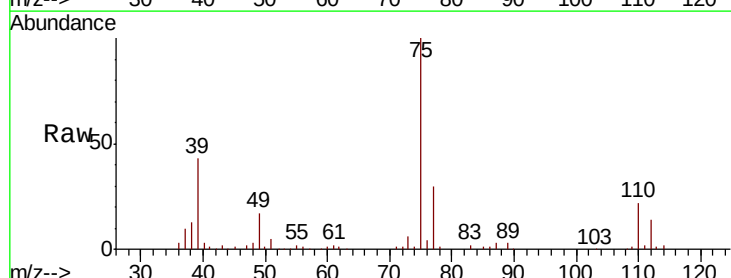
Manual Integrations
APPROVED

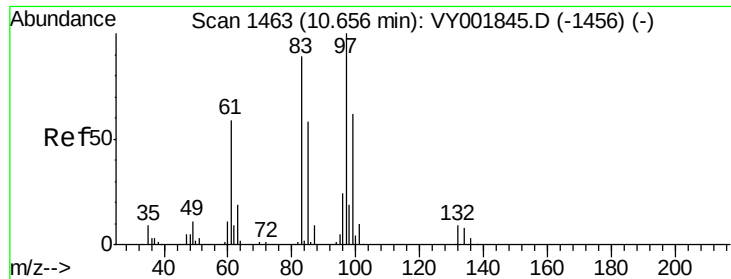
MMDadoda
3/23/2020 2:21:23 PM



#54
cis-1,3-Dichloropropene
Concen: 22.297 ug/l
RT: 9.94 min Scan# 1345
Delta R.T. -0.01 min
Lab File: VY002033.D
Acq: 20 Mar 2020 11:48

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.1	25.1	37.7
39	42.5	34.7	52.1





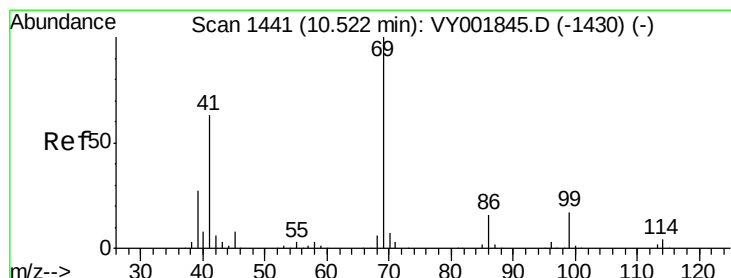
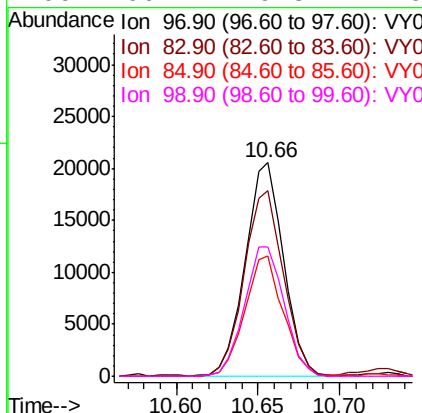
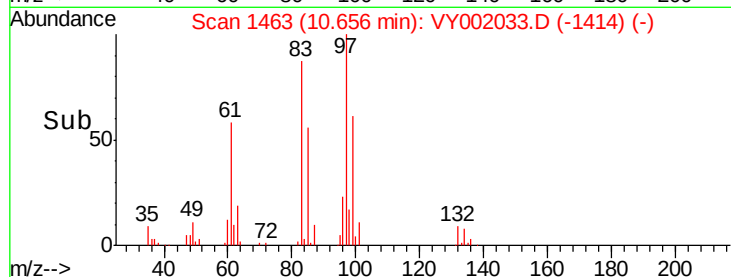
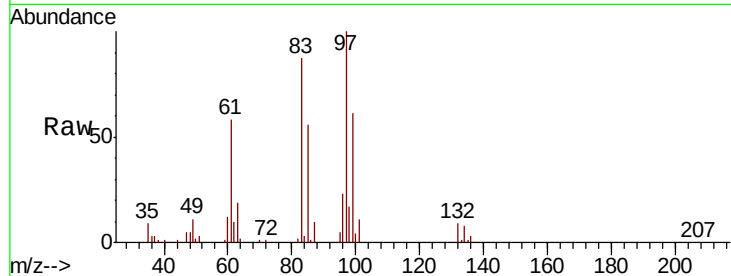
#55
 1,1,2-Trichloroethane
 Concen: 21.914 ug/l
 RT: 10.66 min Scan# 1463
 Delta R.T. 0.00 min
 Lab File: VY002033.D
 Acq: 20 Mar 2020 11:48

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0320SBS01

Tot Ion:	97	Resp:	33591
Ion	Ratio	Lower	Upper
97	100		
83	87.1	71.6	107.4
85	56.1	46.6	69.8
99	60.7	49.8	74.6

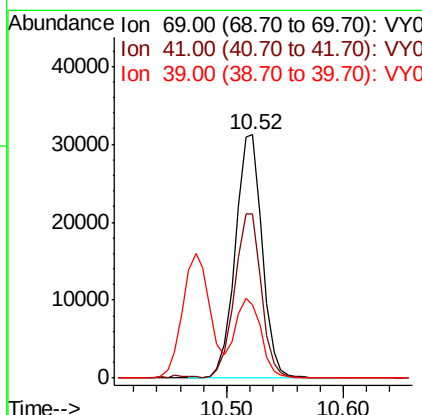
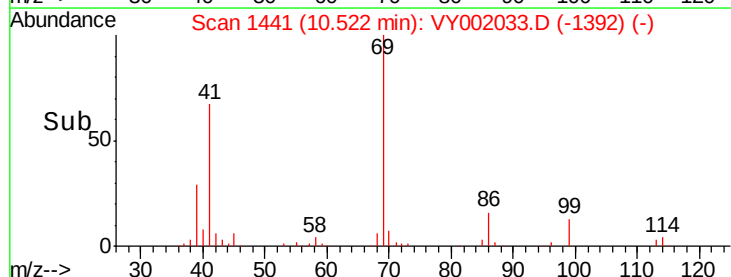
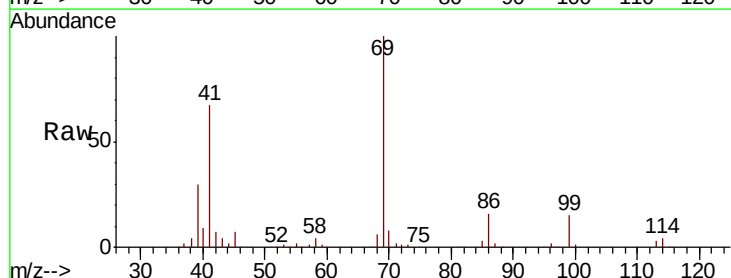
Manual Integrations
 APPROVED

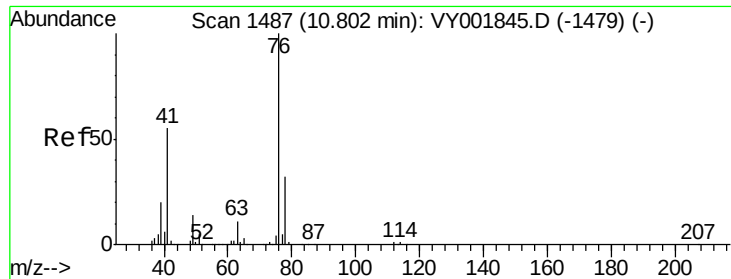
MMDadoda
 3/23/2020 2:21:23 PM



#56
 Ethyl methacrylate
 Concen: 22.275 ug/l
 RT: 10.52 min Scan# 1441
 Delta R.T. 0.00 min
 Lab File: VY002033.D
 Acq: 20 Mar 2020 11:48

Tgt Ion:	69	Resp:	50047
Ion	Ratio	Lower	Upper
69	100		
41	67.9	49.9	74.9
39	31.3	23.0	34.6





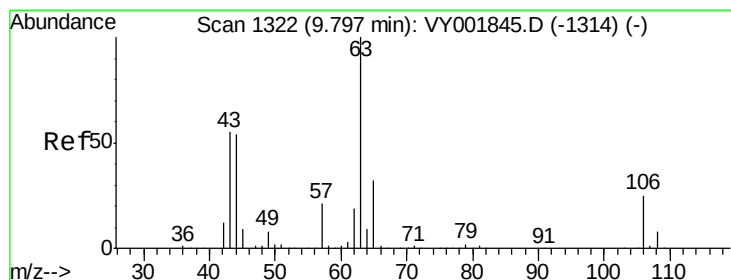
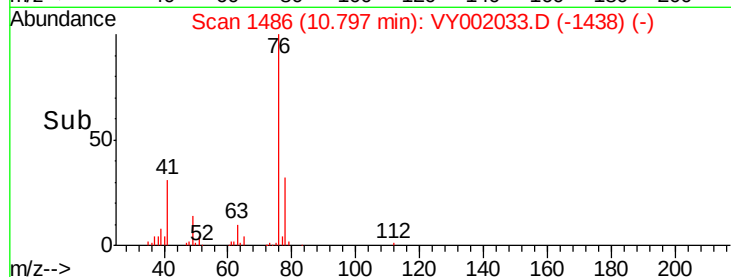
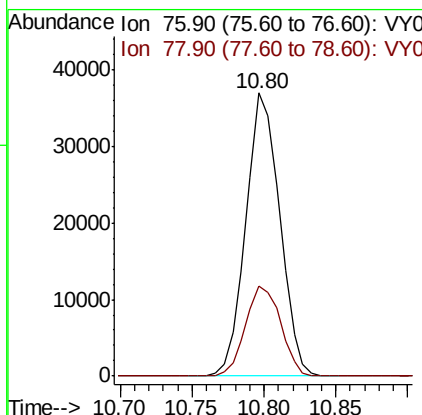
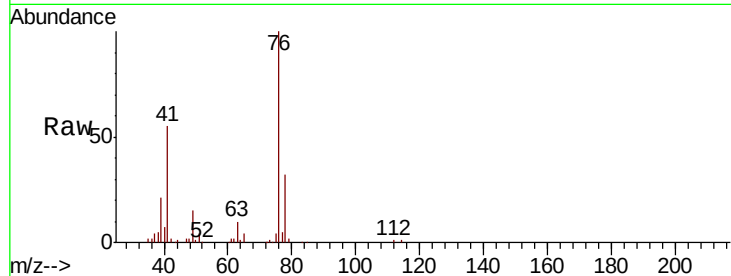
#57
 1,3-Dichloropropane
 Concen: 22.011 ug/l
 RT: 10.80 min Scan# 1486
 Delta R.T. -0.01 min
 Lab File: VY002033.D
 Acq: 20 Mar 2020 11:48

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0320SBS01

Tot Ion: 76 Resp: 60140
 Ion Ratio Lower Upper
 76 100
 78 33.1 25.8 38.6

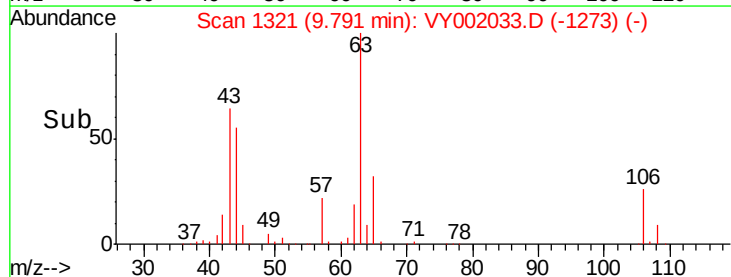
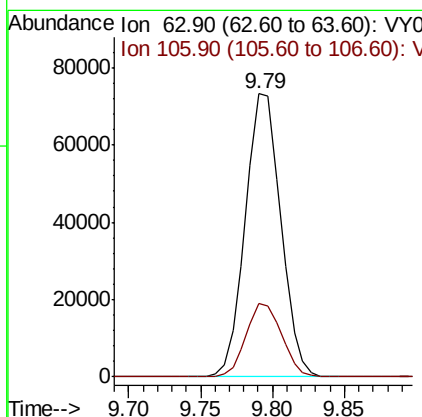
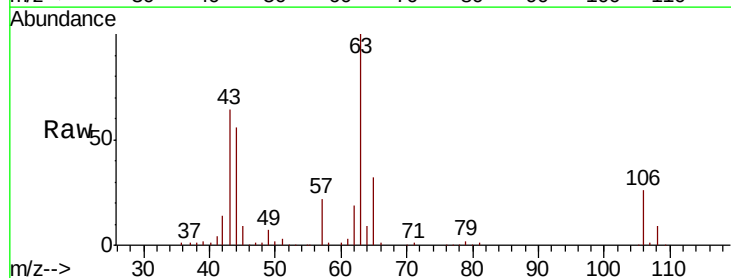
Manual Integrations
 APPROVED

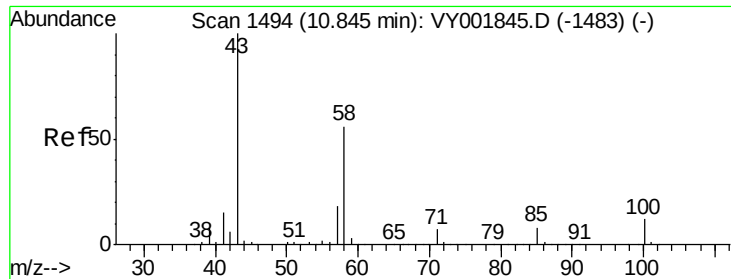
MMDadoda
 3/23/2020 2:21:23 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 145.826 ug/l
 RT: 9.79 min Scan# 1321
 Delta R.T. -0.01 min
 Lab File: VY002033.D
 Acq: 20 Mar 2020 11:48

Tgt Ion: 63 Resp: 125054
 Ion Ratio Lower Upper
 63 100
 106 26.0 21.3 31.9





#59

2-Hexanone

Concen: 114.329 ug/l

RT: 10.84 min Scan# 1493

Delta R.T. -0.01 min

Lab File: VY002033.D

Acq: 20 Mar 2020 11:48

Instrument :

MSVOA_Y

ClientSampleId :

VY0320SBS01

Tot Ion: 43 Resp: 126161

Ion Ratio Lower Upper

43 100

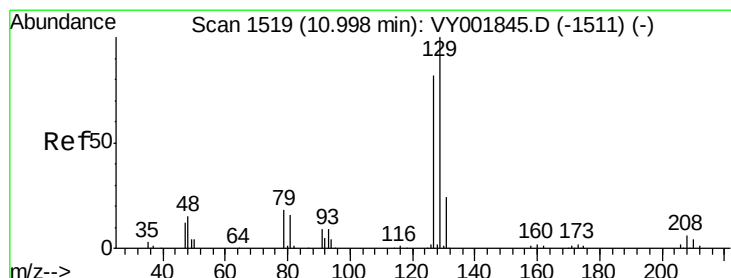
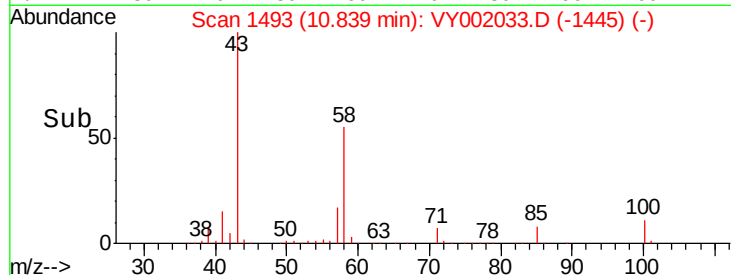
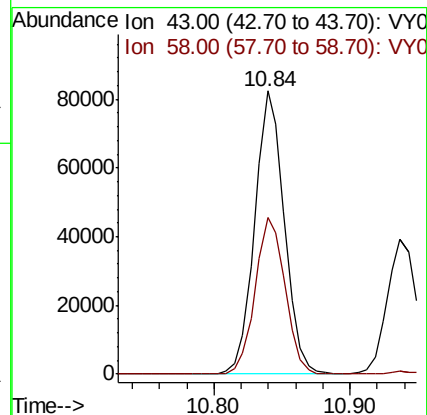
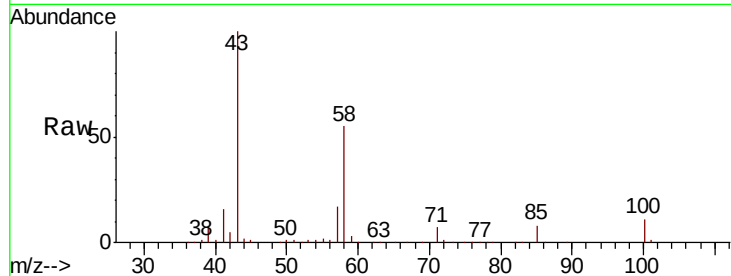
58 56.0 28.1 84.3

Manual Integrations

APPROVED

MMDadoda

3/23/2020 2:21:23 PM



#60

Dibromochloromethane

Concen: 21.944 ug/l

RT: 10.99 min Scan# 1518

Delta R.T. -0.01 min

Lab File: VY002033.D

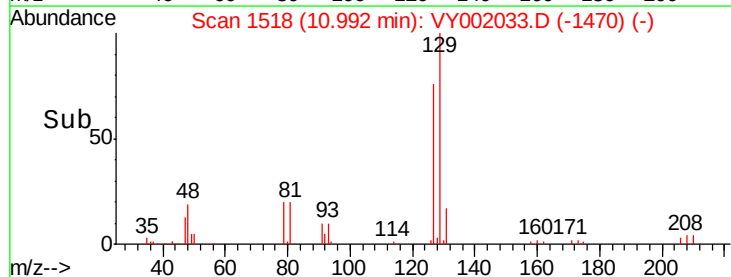
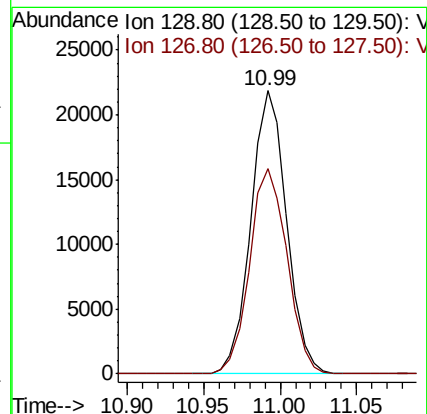
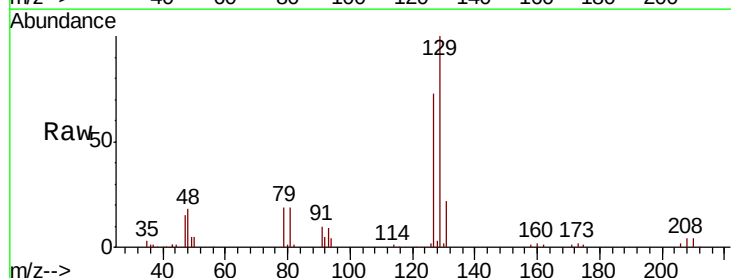
Acq: 20 Mar 2020 11:48

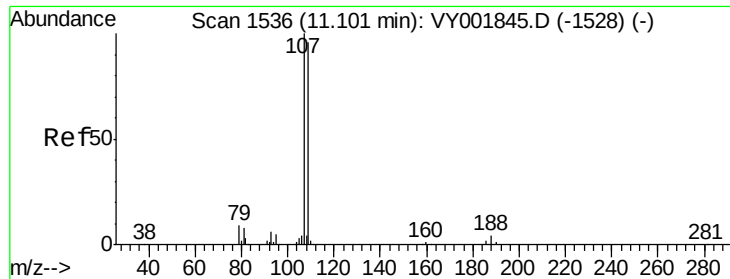
Tgt Ion: 129 Resp: 35444

Ion Ratio Lower Upper

129 100

127 76.3 39.0 117.0





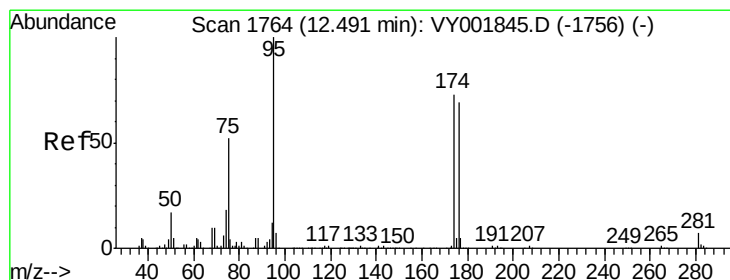
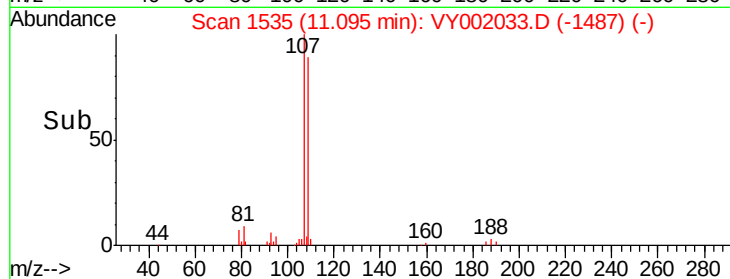
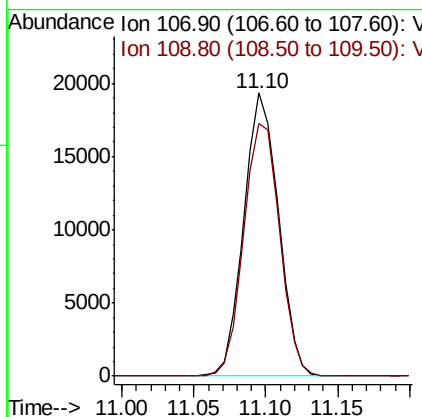
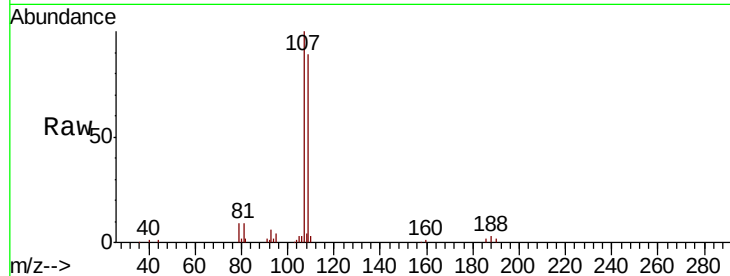
#61
 1,2-Dibromoethane
 Concen: 22.189 ug/l
 RT: 11.10 min Scan# 1535
 Delta R.T. -0.01 min
 Lab File: VY002033.D
 Acq: 20 Mar 2020 11:48

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0320SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.8	75.4	113.0

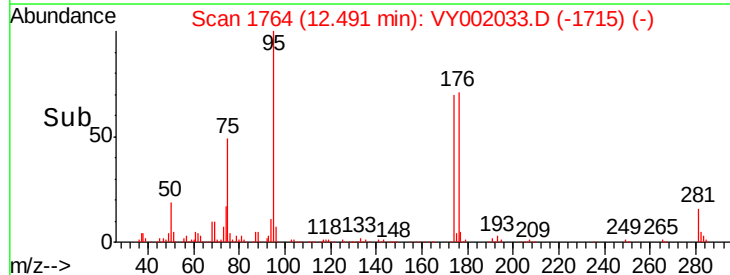
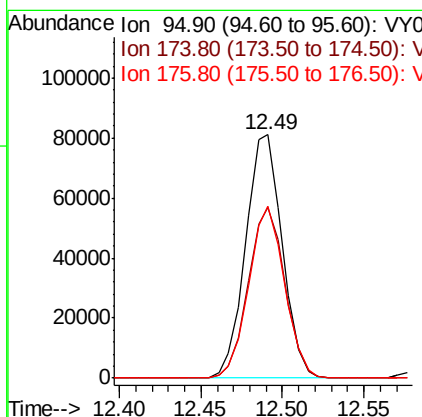
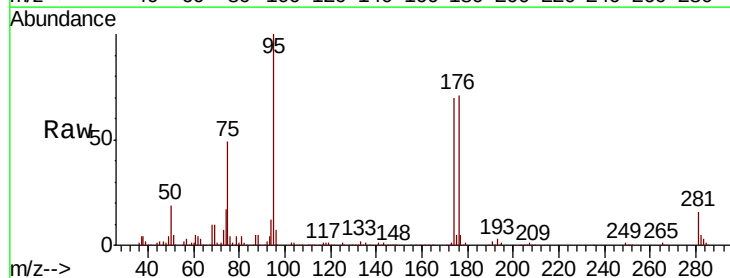
Manual Integrations
 APPROVED

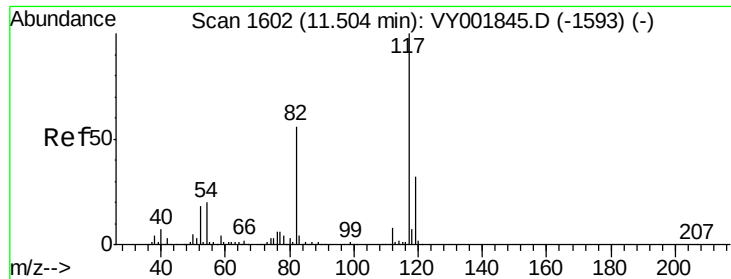
MMDadoda
 3/23/2020 2:21:23 PM



#62
 4-Bromofluorobenzene
 Concen: 55.705 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. 0.00 min
 Lab File: VY002033.D
 Acq: 20 Mar 2020 11:48

Tgt Ion	Ratio	Lower	Upper
95	100		
174	70.3	0.0	145.0
176	68.9	0.0	137.4





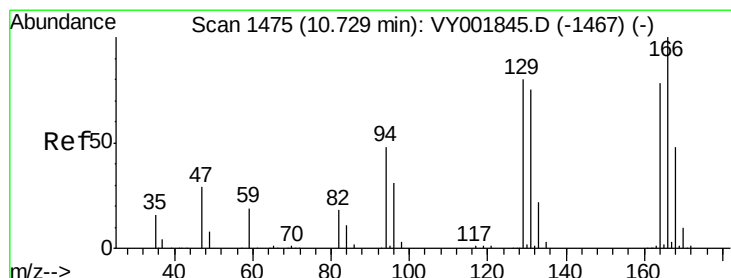
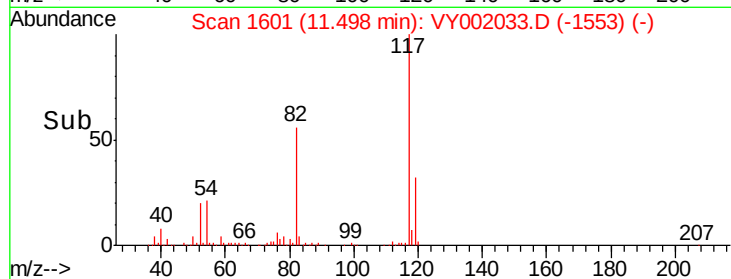
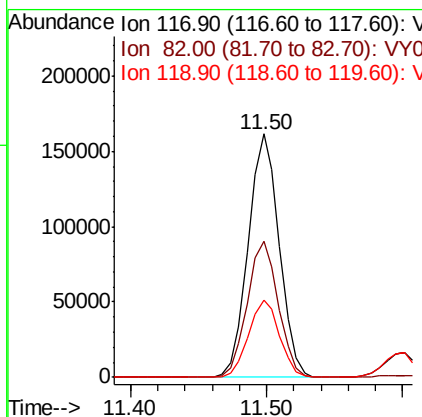
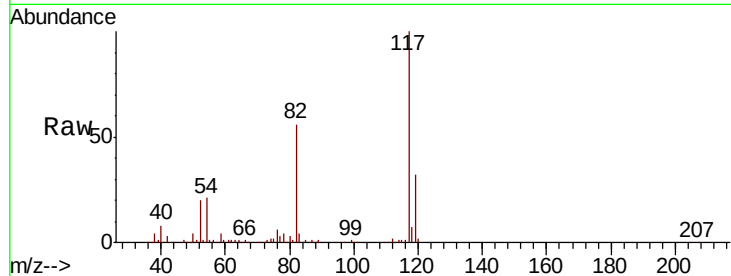
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: VY002033.D
Acq: 20 Mar 2020 11:48

Instrument :
MSVOA_Y
ClientSampleId :
VY0320SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	257297		
82	55.9	44.5	66.7	
119	31.9	25.7	38.5	

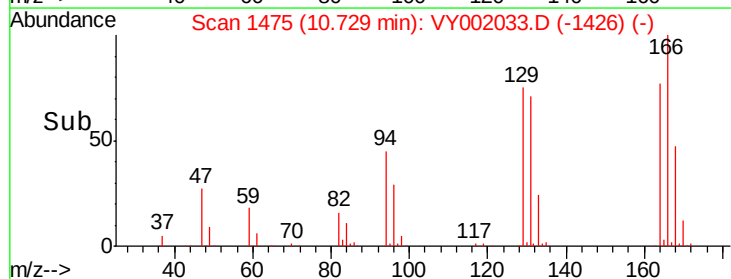
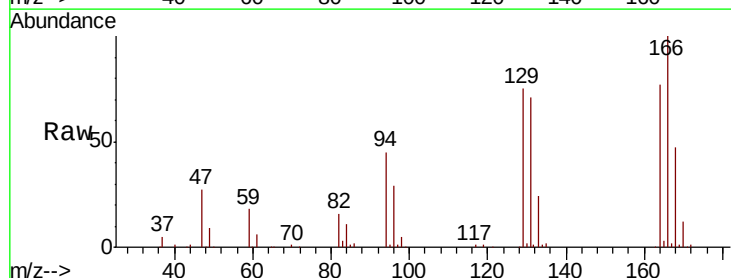
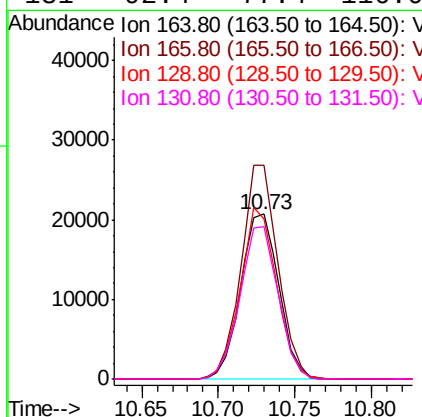
Manual Integrations
APPROVED

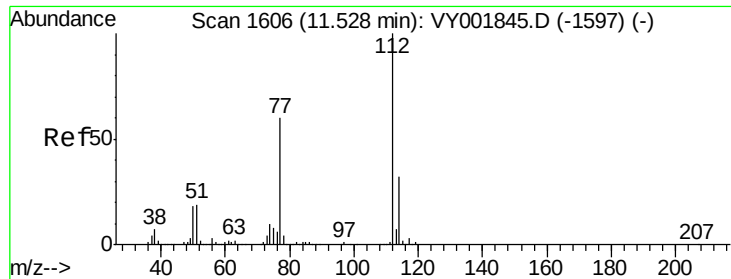
MMDadoda
3/23/2020 2:21:23 PM



#64
Tetrachloroethene
Concen: 22.279 ug/l
RT: 10.73 min Scan# 1475
Delta R.T. 0.00 min
Lab File: VY002033.D
Acq: 20 Mar 2020 11:48

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	35948		
166	129.4	102.6	154.0	
129	97.0	82.3	123.5	
131	92.4	77.4	116.0	





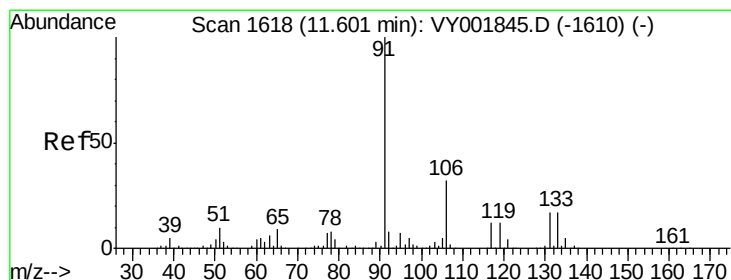
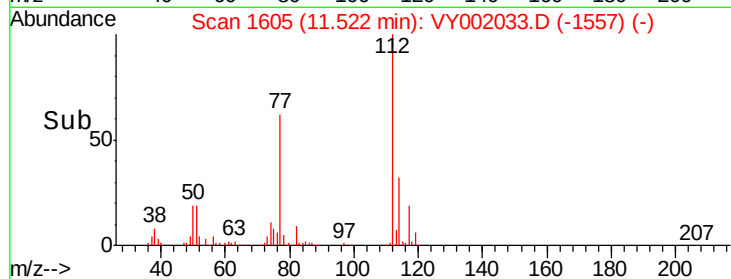
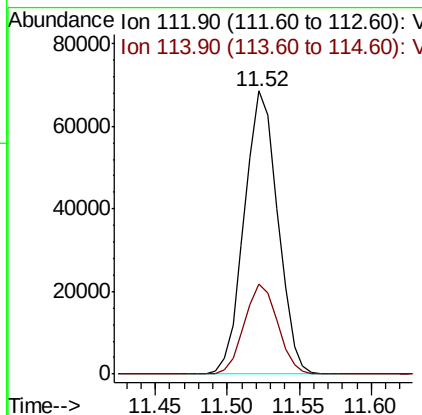
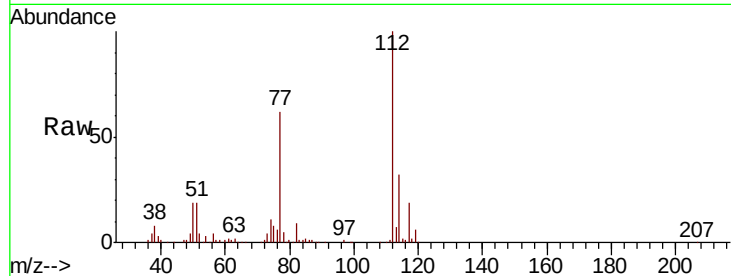
#65
Chlorobenzene
Concen: 21.490 ug/l
RT: 11.52 min Scan# 1605
Delta R.T. -0.01 min
Lab File: VY002033.D
Acq: 20 Mar 2020 11:48

Instrument :
MSVOA_Y
ClientSampleId :
VY0320SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.6	25.9	38.9

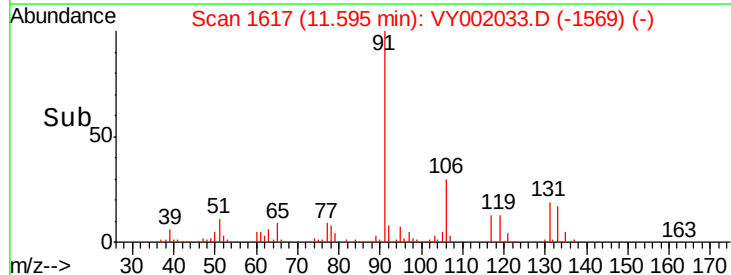
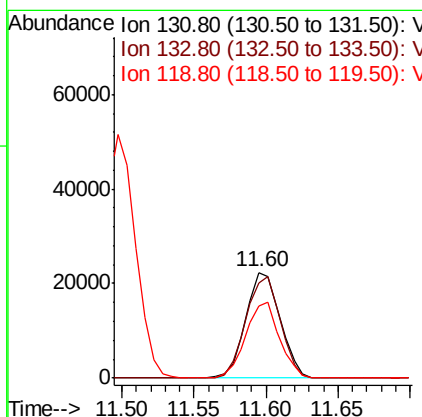
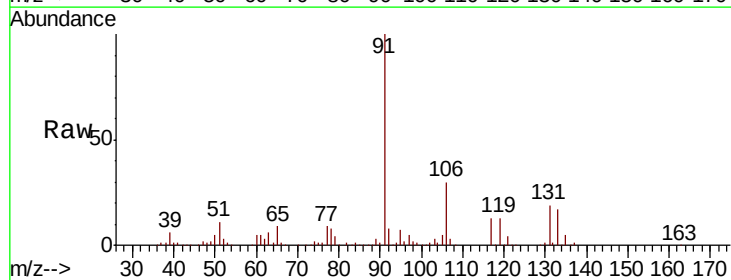
Manual Integrations
APPROVED

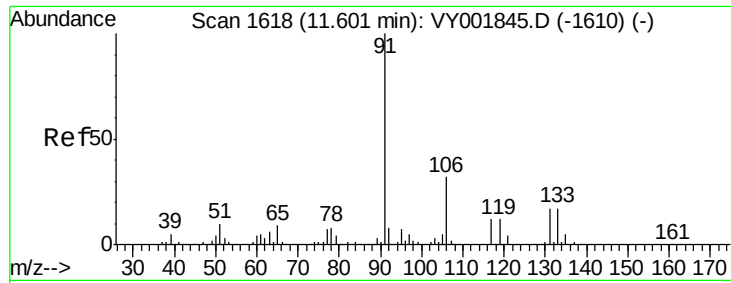
MMDadoda
3/23/2020 2:21:23 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 22.029 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. -0.01 min
Lab File: VY002033.D
Acq: 20 Mar 2020 11:48

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.7	47.1	141.3
119	70.4	34.5	103.6





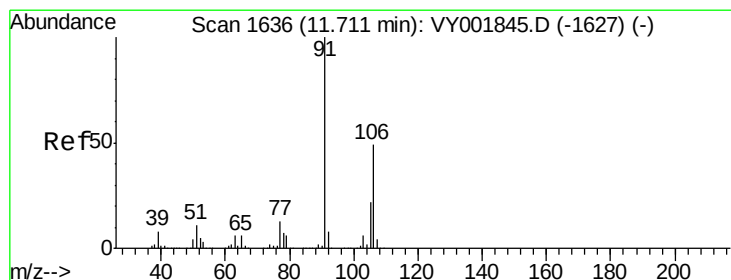
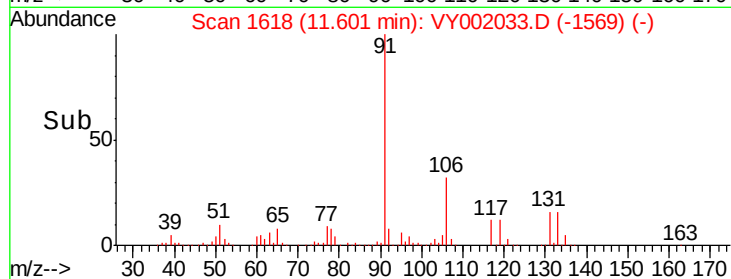
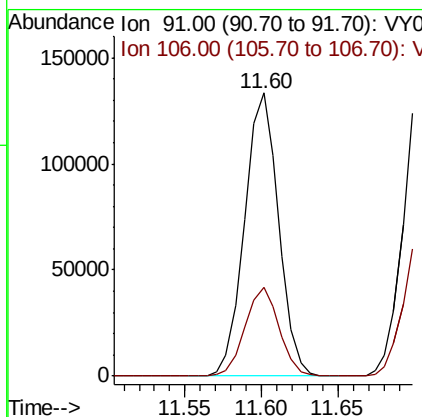
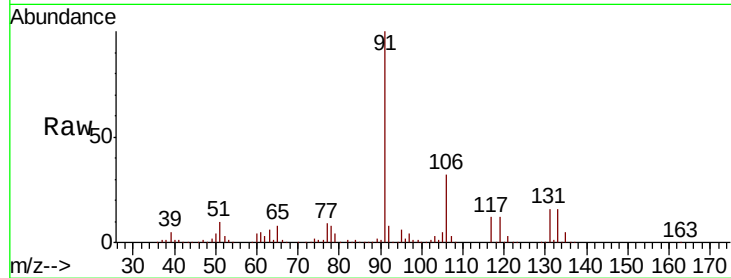
#67
Ethyl Benzene
Concen: 21.499 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VY002033.D
Acq: 20 Mar 2020 11:48

Instrument :
MSVOA_Y
ClientSampleId :
VY0320SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
106	31.5	25.4	38.2

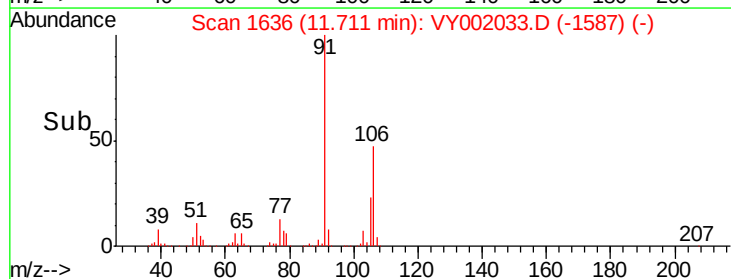
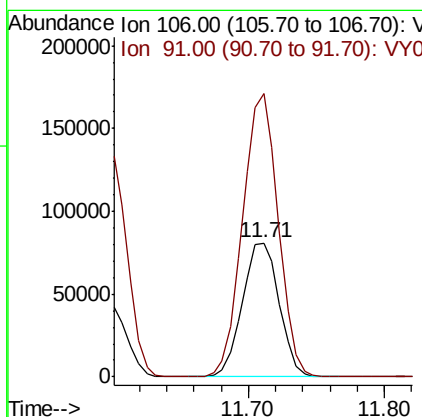
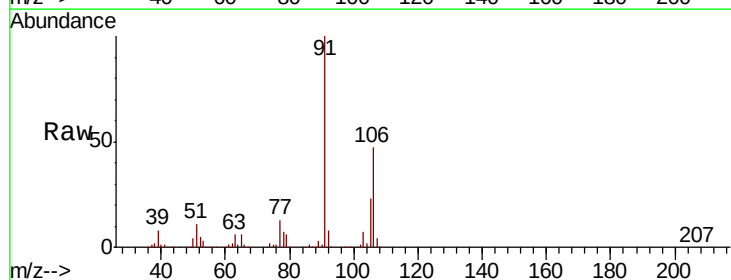
Manual Integrations
APPROVED

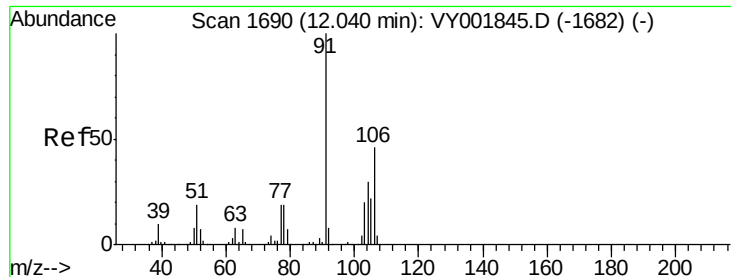
MMDadoda
3/23/2020 2:21:23 PM



#68
m/p-Xylenes
Concen: 43.312 ug/l
RT: 11.71 min Scan# 1636
Delta R.T. 0.00 min
Lab File: VY002033.D
Acq: 20 Mar 2020 11:48

Tgt Ion	Ratio	Lower	Upper
106	100		
91	204.3	161.3	241.9





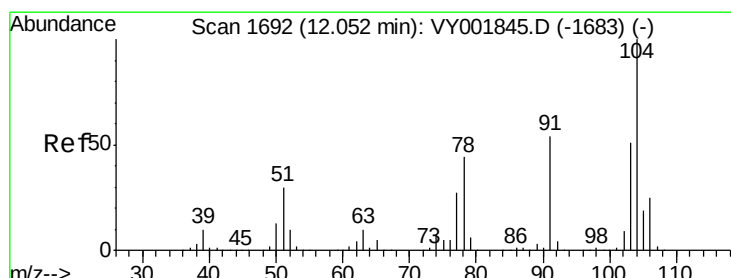
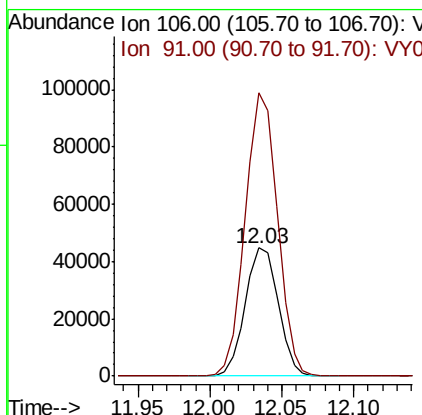
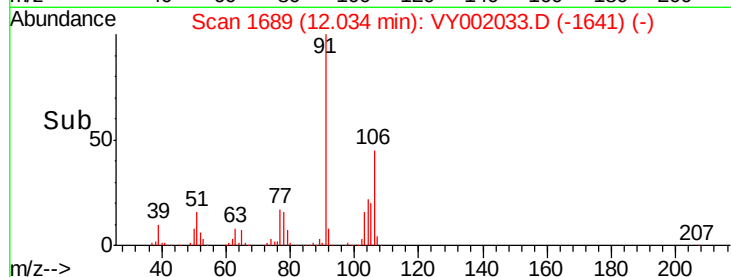
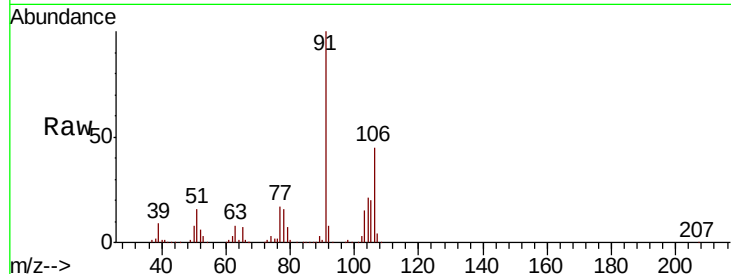
#69
o-Xylene
Concen: 21.317 ug/l
RT: 12.03 min Scan# 1689
Delta R.T. -0.01 min
Lab File: VY002033.D
Acq: 20 Mar 2020 11:48

Instrument :
MSVOA_Y
ClientSampleId :
VY0320SBS01

Tot Ion:106 Resp: 71022
Ion Ratio Lower Upper
106 100
91 216.1 106.8 320.4

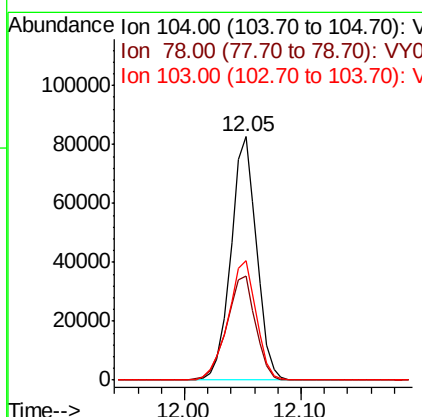
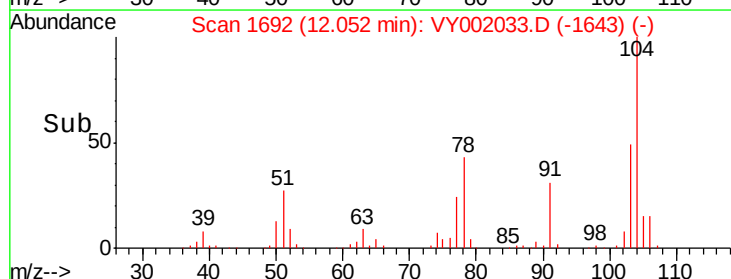
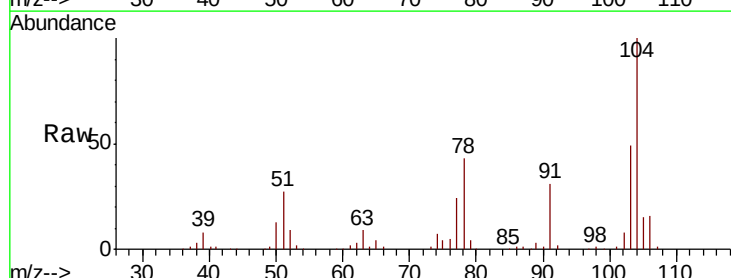
Manual Integrations
APPROVED

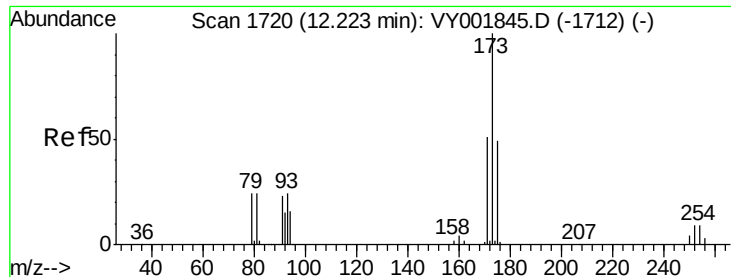
MMDadoda
3/23/2020 2:21:23 PM



#70
Styrene
Concen: 22.094 ug/l
RT: 12.05 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VY002033.D
Acq: 20 Mar 2020 11:48

Tgt Ion:104 Resp: 126079
Ion Ratio Lower Upper
104 100
78 47.8 38.5 57.7
103 53.7 42.9 64.3





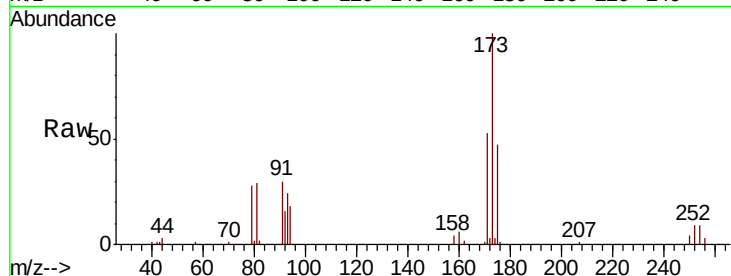
#71
Bromoform
Concen: 21.685 ug/l
RT: 12.22 min Scan# 1719
Delta R.T. -0.01 min
Lab File: VY002033.D
Acq: 20 Mar 2020 11:48

Instrument :
MSVOA_Y
ClientSampleId :
VY0320SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.3	72.8
254	0.0	0.0	0.0

Manual Integrations
APPROVED

MMDadoda
3/23/2020 2:21:23 PM

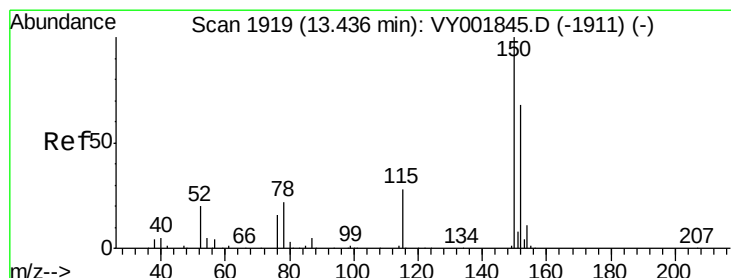
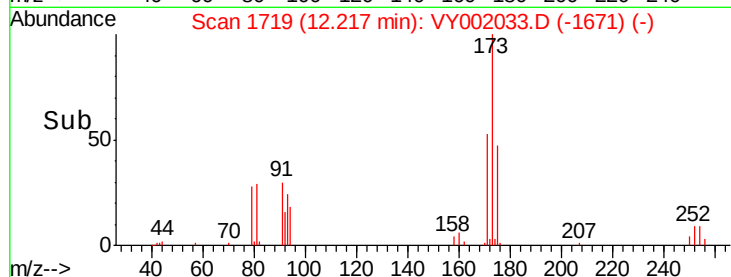
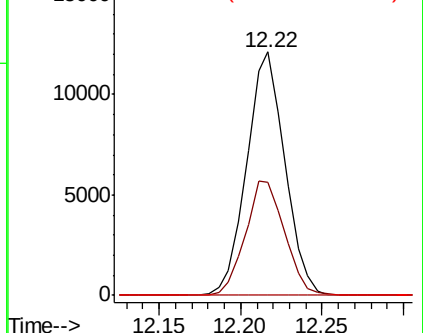


Abundance

Ion 172.70 (172.40 to 173.40): V

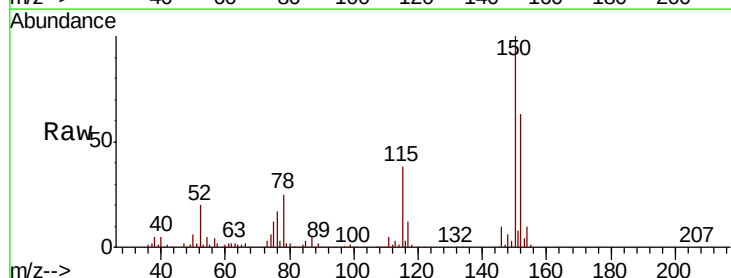
Ion 174.70 (174.40 to 175.40): V

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: VY002033.D
Acq: 20 Mar 2020 11:48

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.4	29.9	89.7
150	166.6	0.0	340.6

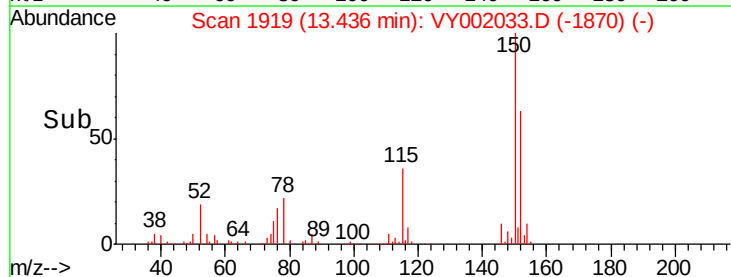
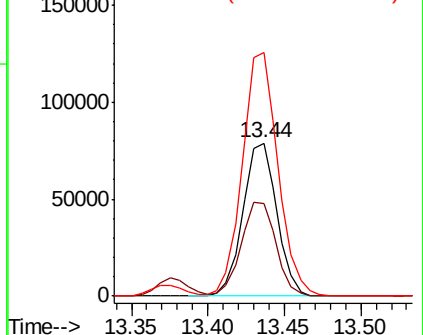


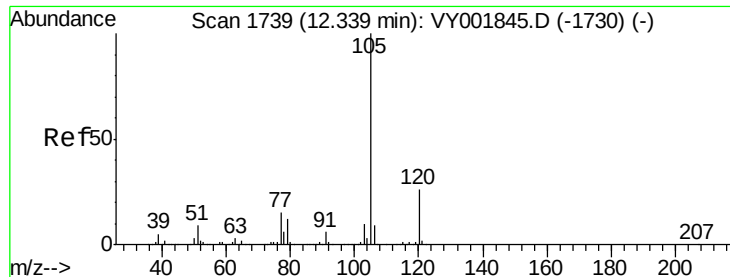
Abundance

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





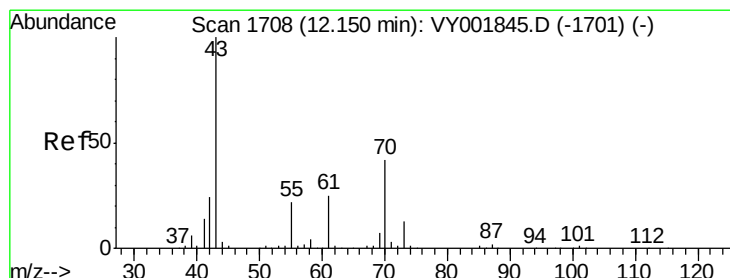
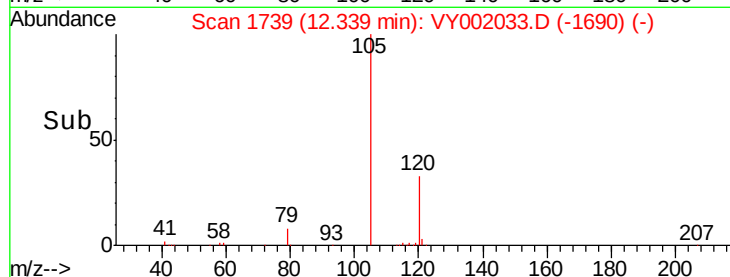
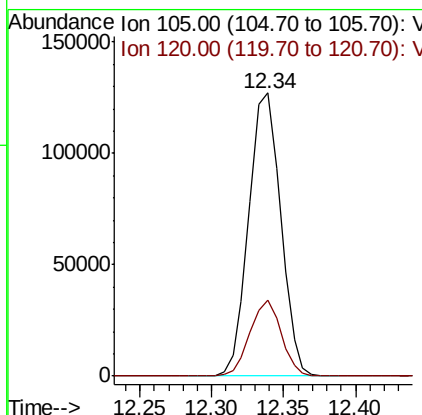
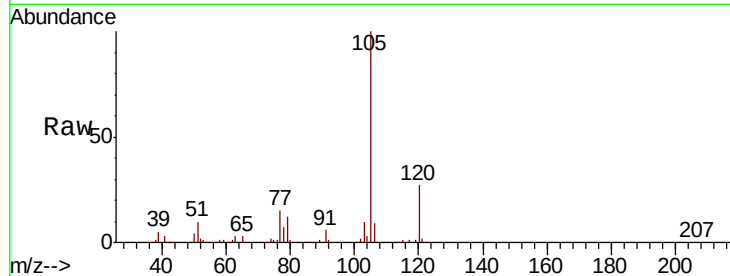
#73
Isopropylbenzene
Concen: 21.031 ug/l
RT: 12.34 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VY002033.D
Acq: 20 Mar 2020 11:48

Instrument :
MSVOA_Y
ClientSampleId :
VY0320SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.2	13.1	39.3

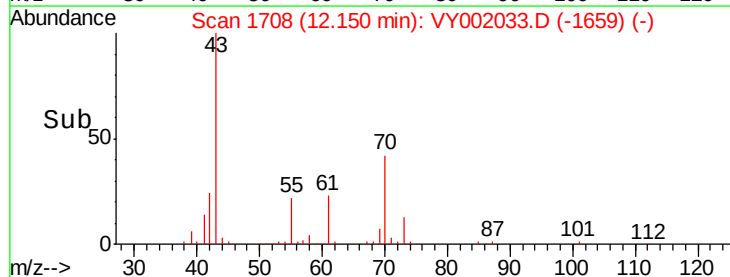
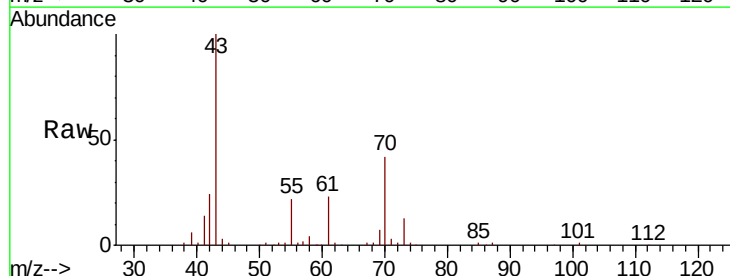
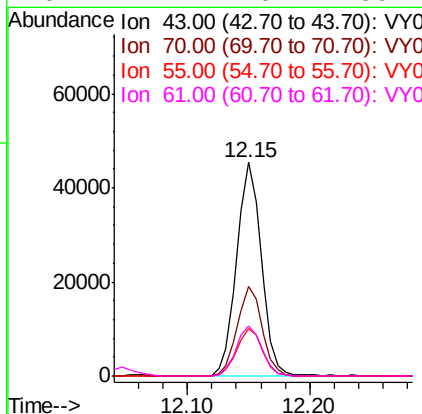
Manual Integrations
APPROVED

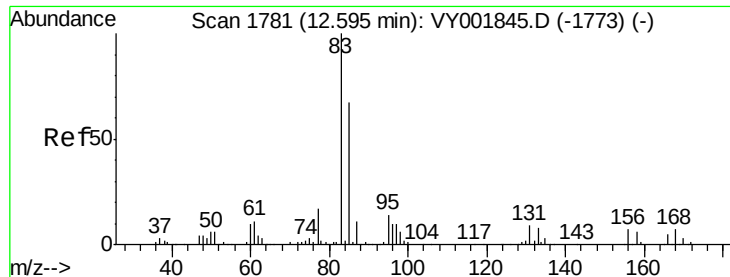
MMDadoda
3/23/2020 2:21:23 PM



#74
N-ethyl acetate
Concen: 22.219 ug/l
RT: 12.15 min Scan# 1708
Delta R.T. 0.00 min
Lab File: VY002033.D
Acq: 20 Mar 2020 11:48

Tgt Ion	Ratio	Lower	Upper
43	100		
70	42.1	34.7	52.1
55	23.0	18.2	27.4
61	24.2	20.1	30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 21.472 ug/l

RT: 12.59 min Scan# 1780

Delta R.T. -0.01 min

Lab File: VY002033.D

Acq: 20 Mar 2020 11:48

Instrument :

MSVOA_Y

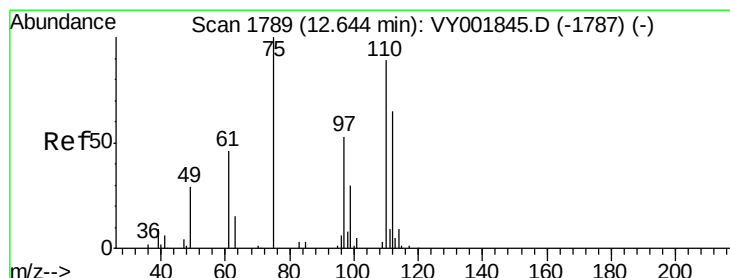
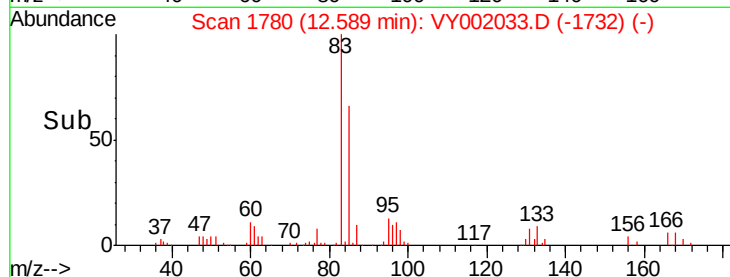
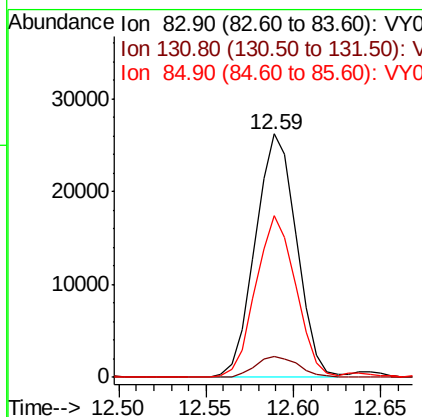
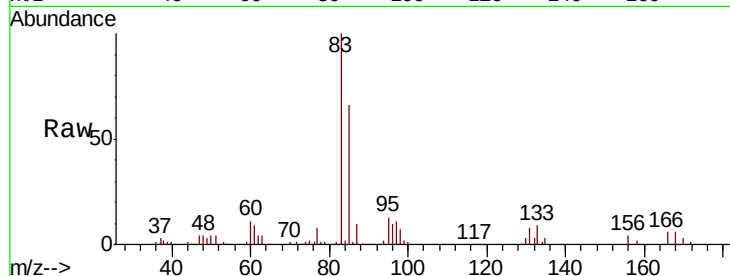
ClientSampleId :

VY0320SBS01

Tot Ion:	83	Resp:	43047
Ion Ratio	Lower	Upper	
83	100		
131	9.3	4.6	13.8
85	64.4	32.1	96.3

Manual Integrations
APPROVED

MMDadoda
3/23/2020 2:21:23 PM



#76

1,2,3-Trichloropropane

Concen: 22.533 ug/l m

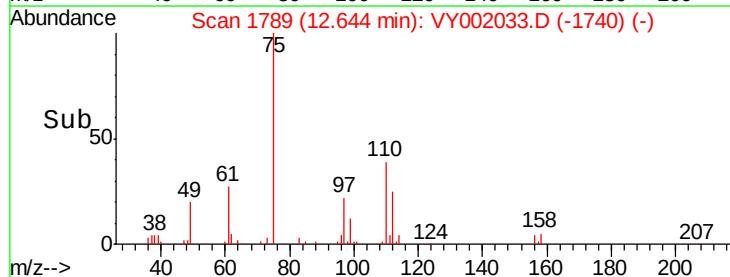
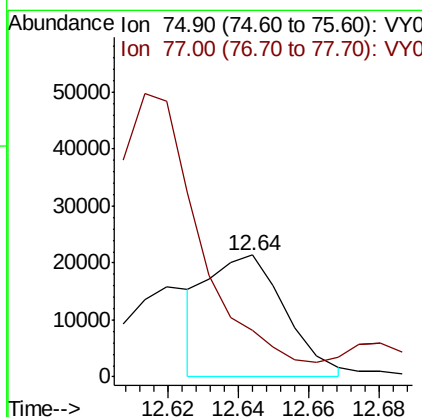
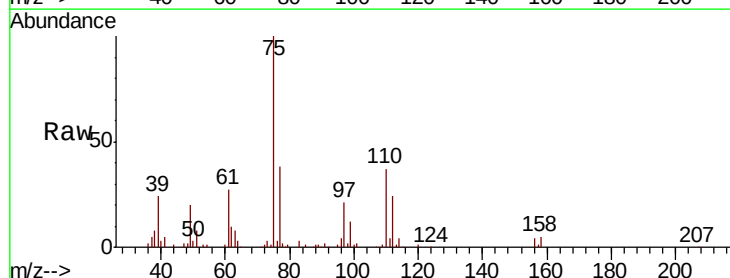
RT: 12.64 min Scan# 1789

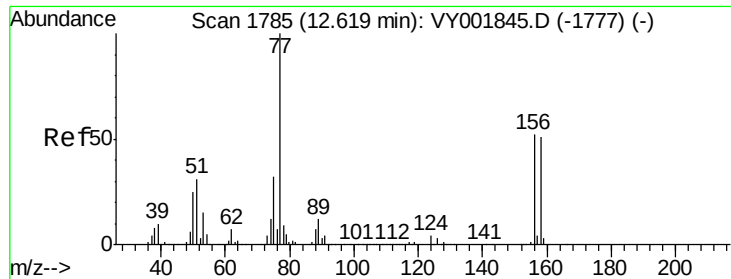
Delta R.T. 0.00 min

Lab File: VY002033.D

Acq: 20 Mar 2020 11:48

Tgt Ion:	75	Resp:	32561
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





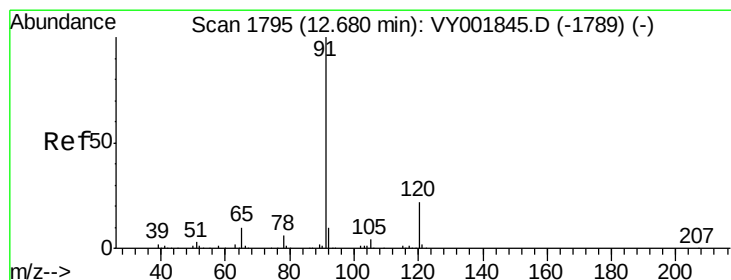
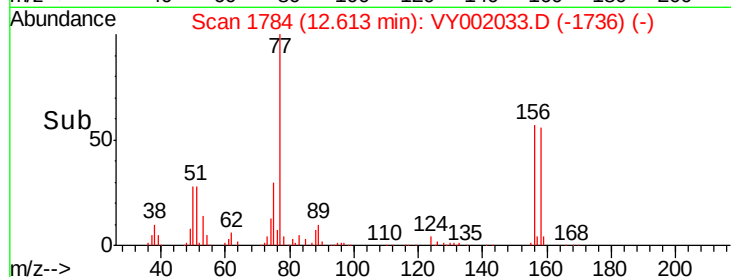
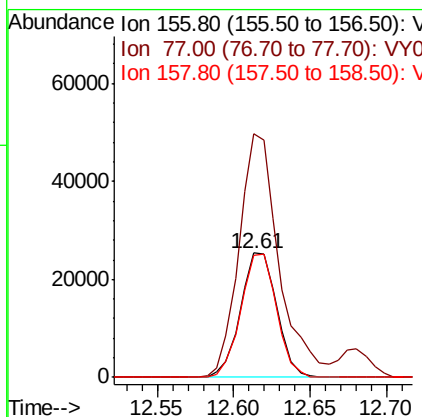
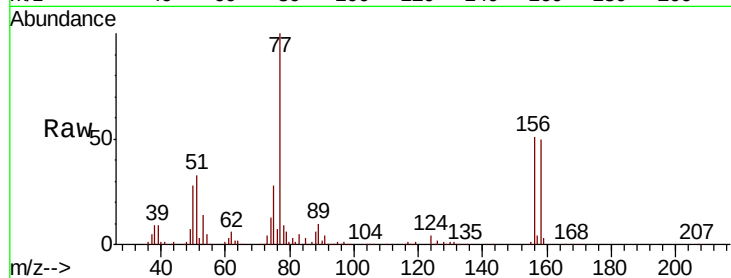
#77
Bromobenzene
Concen: 21.292 ug/l
RT: 12.61 min Scan# 1784
Delta R.T. -0.01 min
Lab File: VY002033.D
Acq: 20 Mar 2020 11:48

Instrument :
MSVOA_Y
ClientSampleId :
VY0320SBS01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	215.7	109.0	327.0	
158	97.4	48.9	146.8	

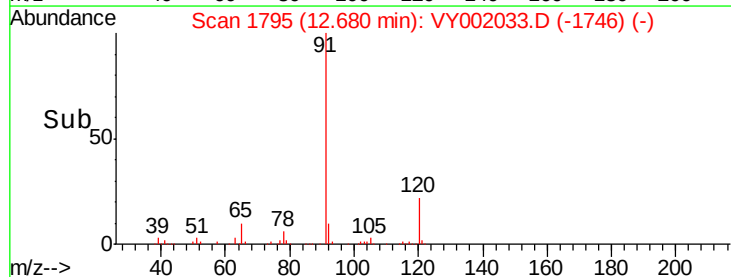
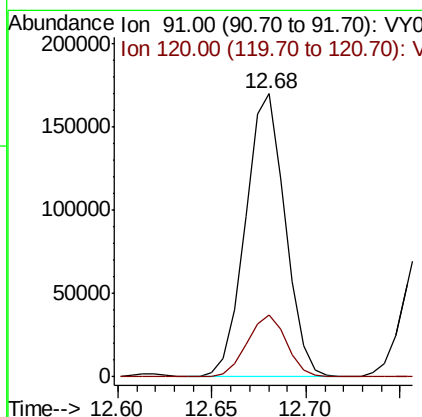
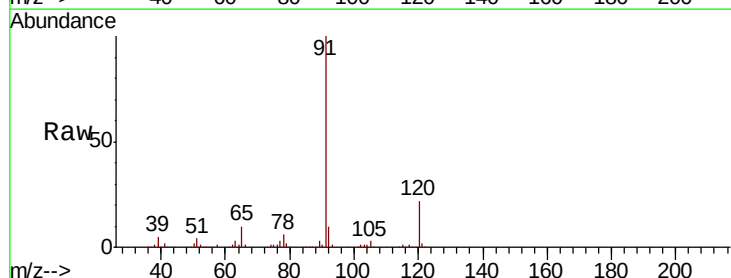
Manual Integrations
APPROVED

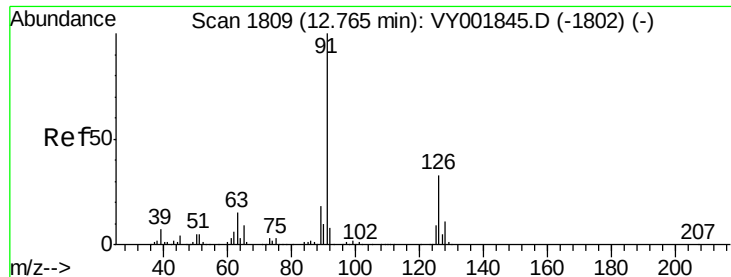
MMDadoda
3/23/2020 2:21:23 PM



#78
n-propylbenzene
Concen: 21.609 ug/l
RT: 12.68 min Scan# 1795
Delta R.T. 0.00 min
Lab File: VY002033.D
Acq: 20 Mar 2020 11:48

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	21.6	11.0	33.0	





#79

2-Chlorotoluene

Concen: 21.288 ug/l

RT: 12.77 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VY002033.D

Acq: 20 Mar 2020 11:48

Instrument :

MSVOA_Y

ClientSampleId :

VY0320SBS01

Tot Ion: 91 Resp: 134891

Ion Ratio Lower Upper

91 100

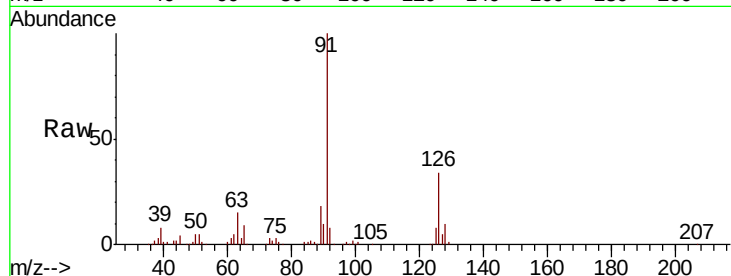
126 32.5 16.3 48.8

Manual Integrations

APPROVED

MMDadoda

3/23/2020 2:21:23 PM



Abundance Ion 91.00 (90.70 to 91.70): VY001845.D (-1802) (-)

Ion 125.90 (125.60 to 126.60): VY001845.D (-1802) (-)

200000

150000

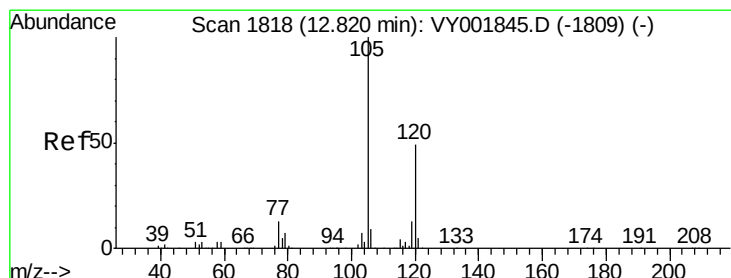
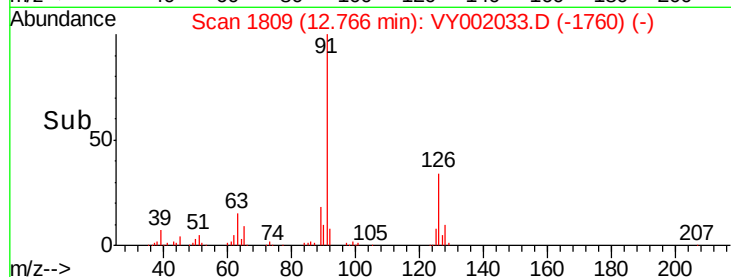
100000

50000

0

12.70 12.75 12.80

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.577 ug/l

RT: 12.82 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VY002033.D

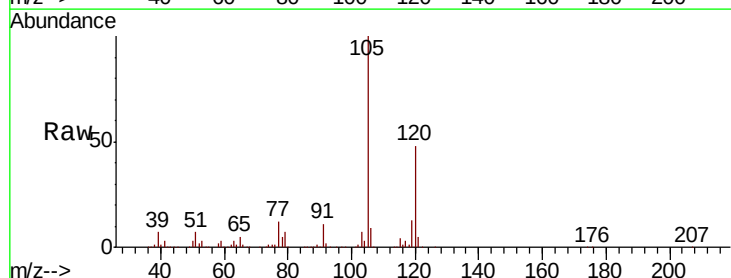
Acq: 20 Mar 2020 11:48

Tgt Ion: 105 Resp: 165136

Ion Ratio Lower Upper

105 100

120 48.2 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): VY001845.D (-1809) (-)

Ion 120.00 (119.70 to 120.70): VY001845.D (-1809) (-)

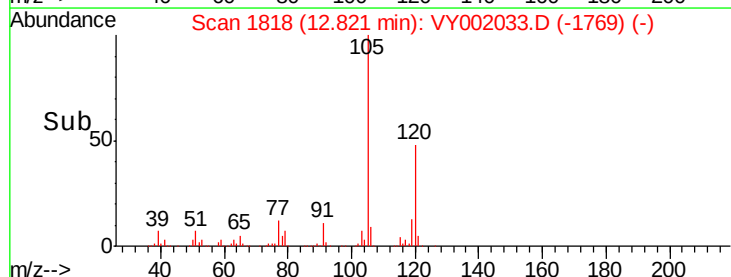
100000

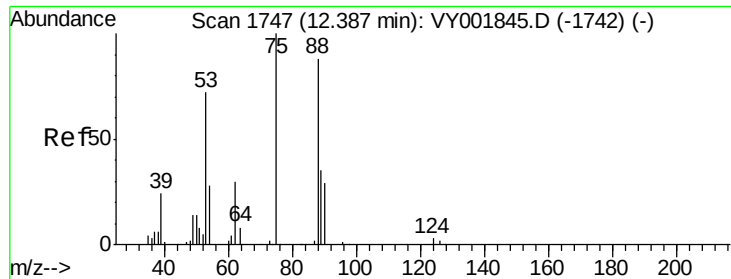
50000

0

12.75 12.80 12.85 12.90

Time-->





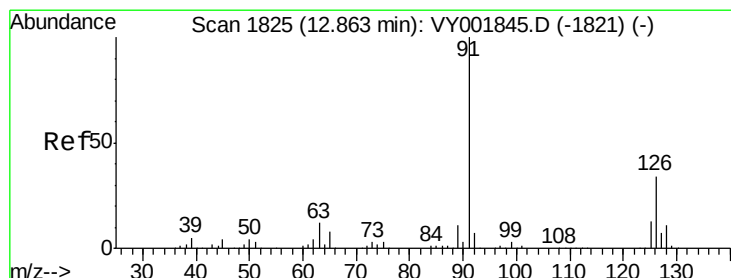
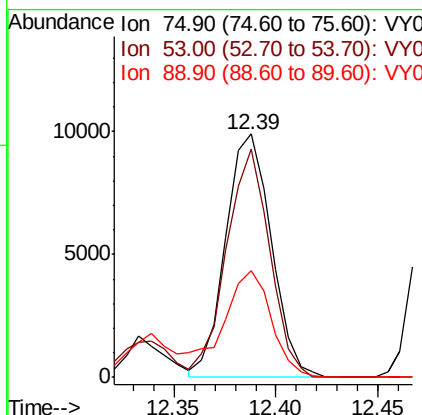
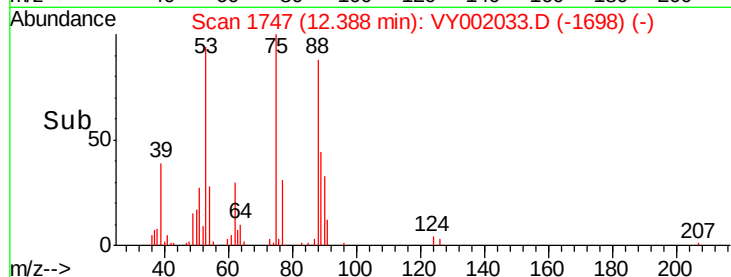
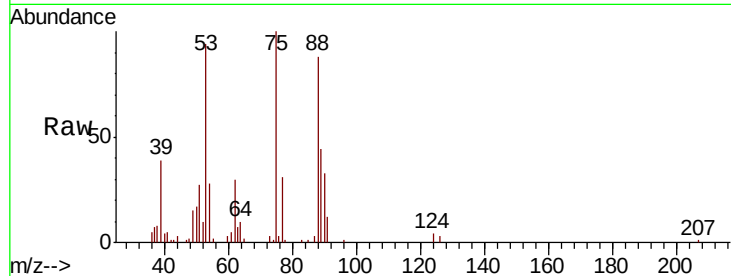
#81
trans-1,4-Dichloro-2-butene
Concen: 21.488 ug/l
RT: 12.39 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VY002033.D
Acq: 20 Mar 2020 11:48

Instrument :
MSVOA_Y
ClientSampleId :
VY0320SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	88.9	65.4	98.0
89	45.6	36.0	54.0

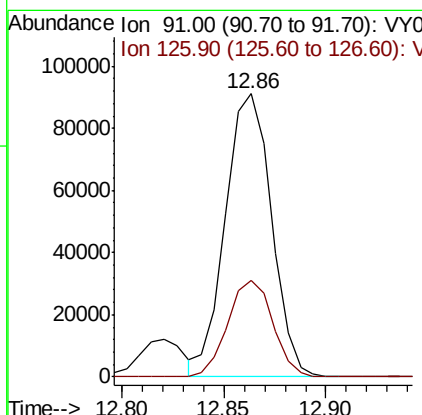
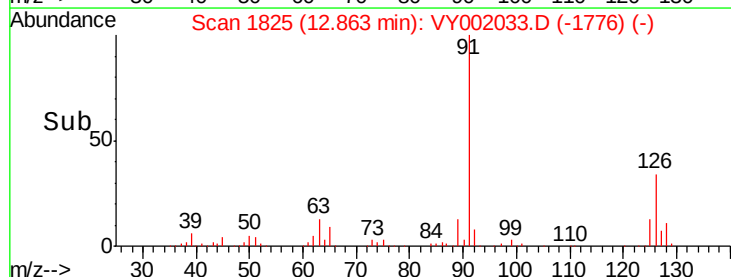
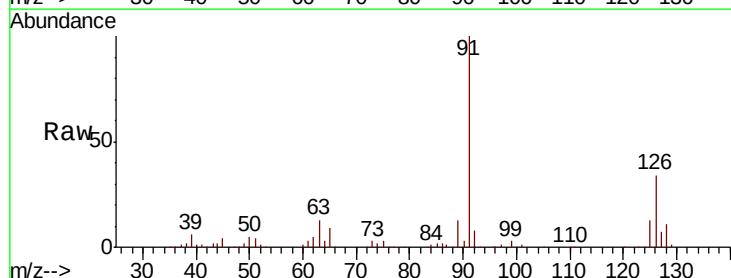
Manual Integrations
APPROVED

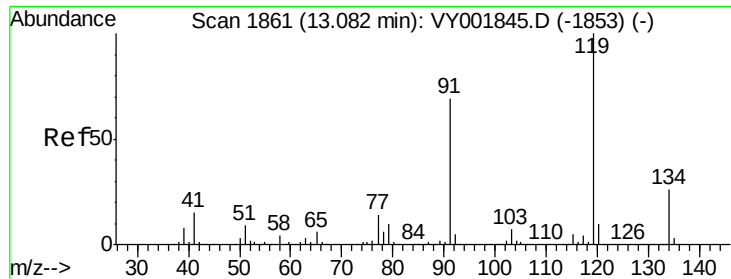
MMDadoda
3/23/2020 2:21:23 PM



#82
4-Chlorotoluene
Concen: 21.664 ug/l
RT: 12.86 min Scan# 1825
Delta R.T. 0.00 min
Lab File: VY002033.D
Acq: 20 Mar 2020 11:48

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.4	16.4	49.2





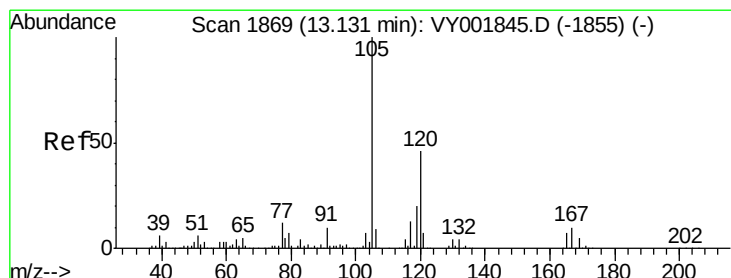
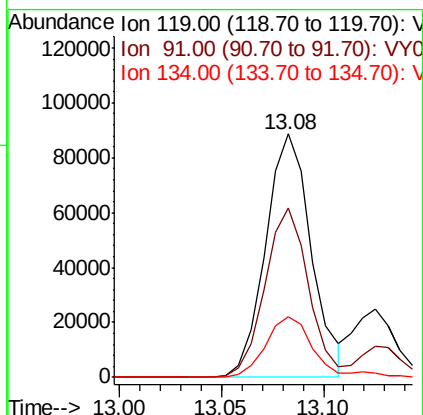
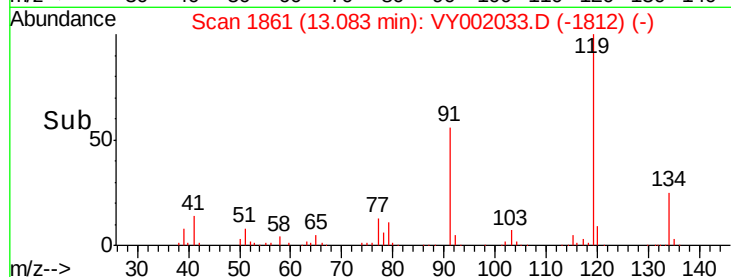
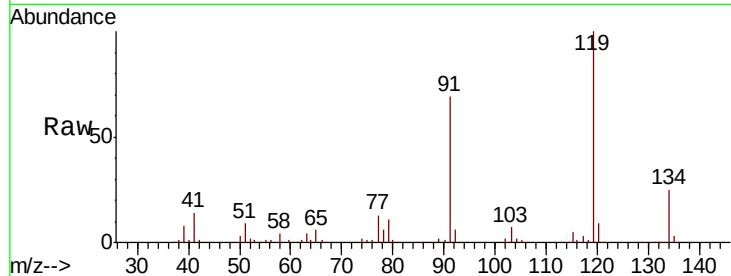
#83
 tert-Butylbenzene
 Concen: 21.745 ug/l
 RT: 13.08 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VY002033.D
 Acq: 20 Mar 2020 11:48

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0320SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.3	34.0	101.8
134	26.6	13.5	40.4

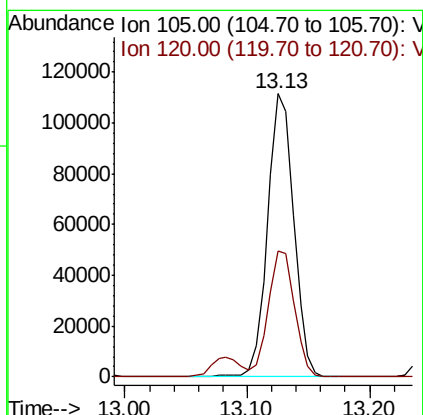
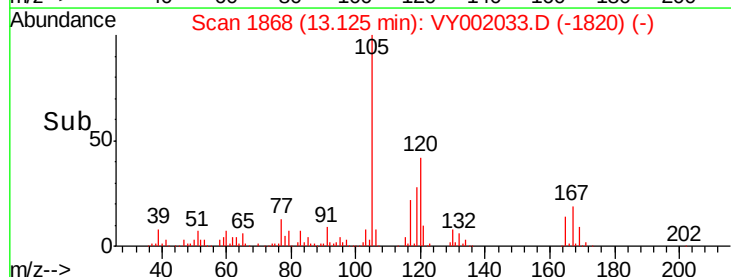
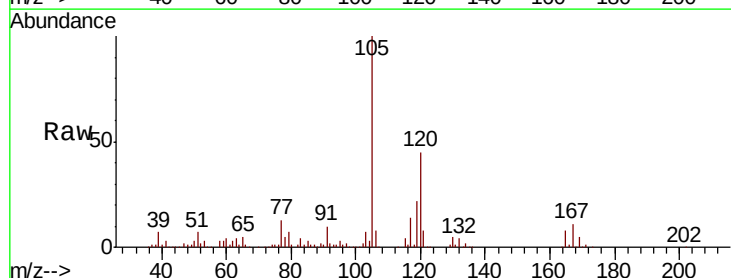
Manual Integrations
 APPROVED

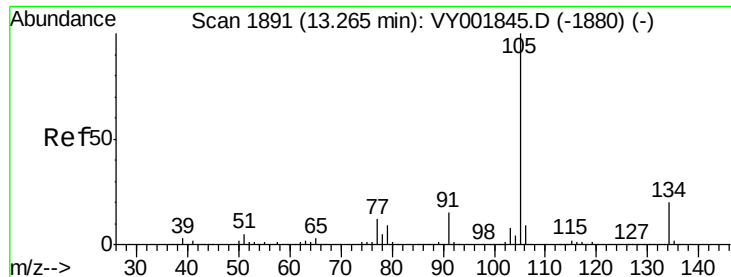
MMDadoda
 3/23/2020 2:21:23 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 21.815 ug/l
 RT: 13.13 min Scan# 1868
 Delta R.T. -0.01 min
 Lab File: VY002033.D
 Acq: 20 Mar 2020 11:48

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.6	22.6	67.7





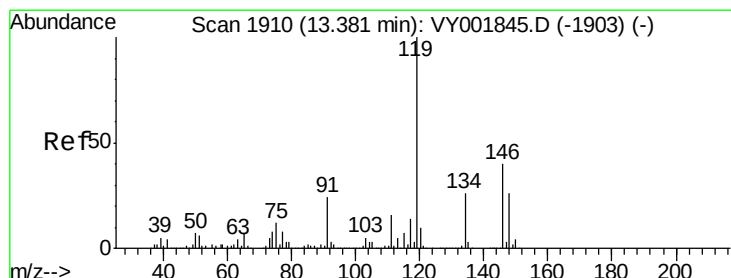
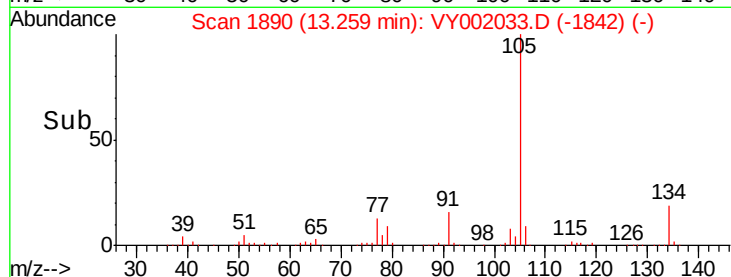
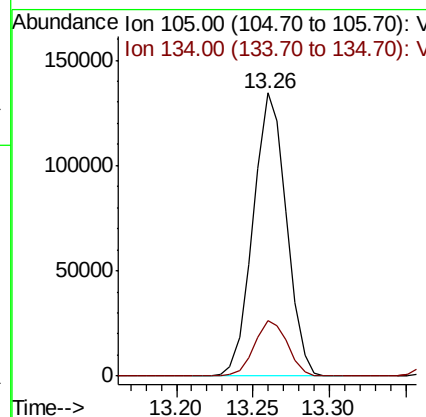
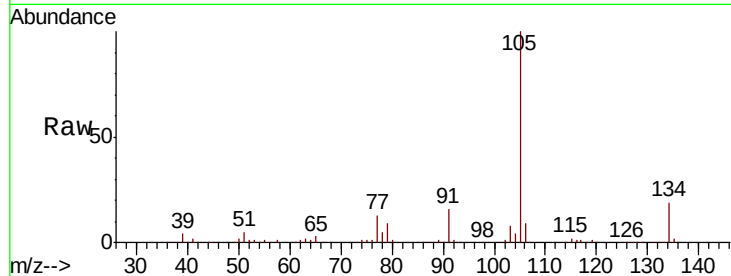
#85
 sec-Butylbenzene
 Concen: 21.748 ug/l
 RT: 13.26 min Scan# 1890
 Delta R.T. -0.01 min
 Lab File: VY002033.D
 Acq: 20 Mar 2020 11:48

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0320SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.5	9.7	29.1

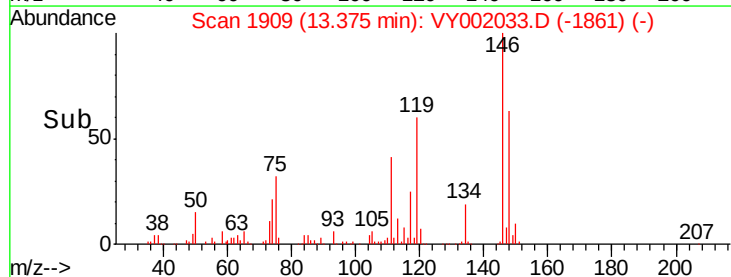
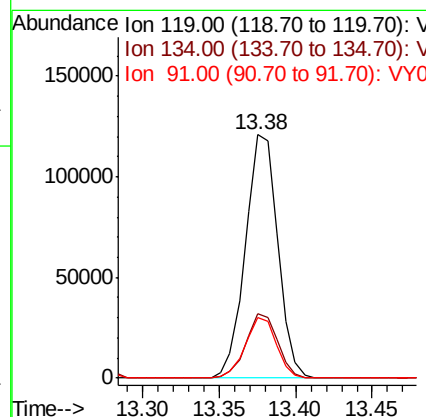
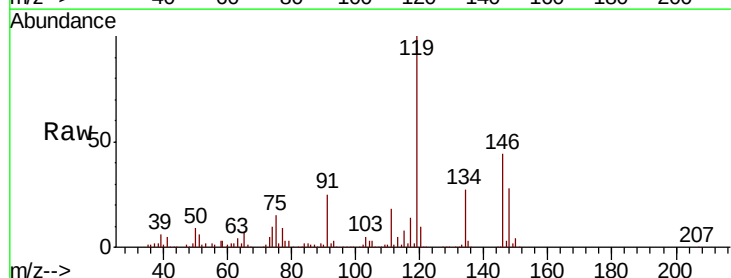
Manual Integrations
 APPROVED

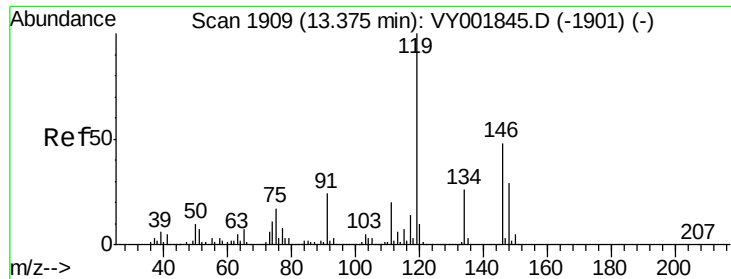
MMDadoda
 3/23/2020 2:21:23 PM



#86
 p-Isopropyltoluene
 Concen: 21.944 ug/l
 RT: 13.38 min Scan# 1909
 Delta R.T. -0.01 min
 Lab File: VY002033.D
 Acq: 20 Mar 2020 11:48

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.3	13.1	39.3
91	24.0	11.9	35.7





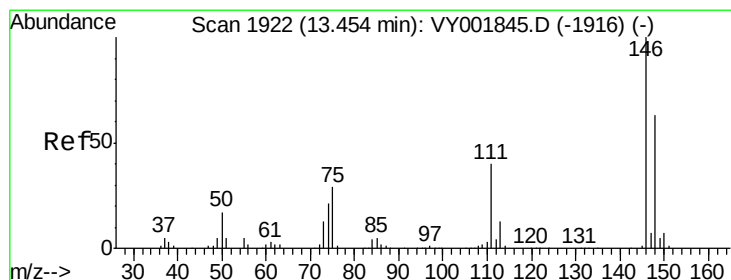
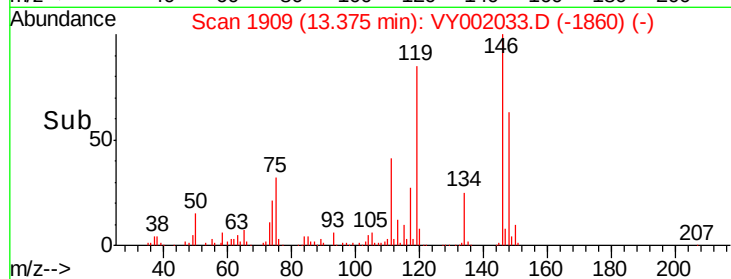
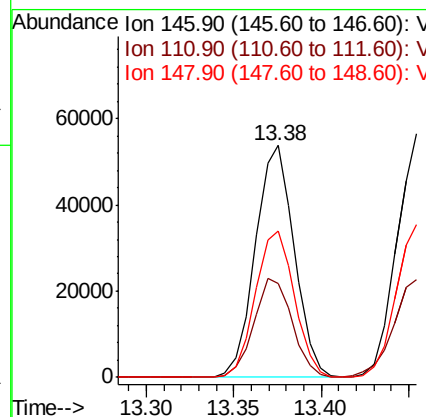
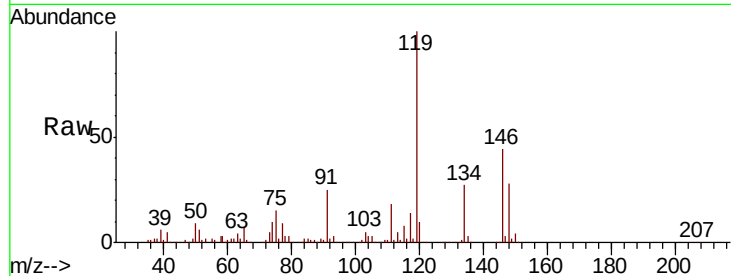
#87
 1,3-Dichlorobenzene
 Concen: 21.664 ug/l
 RT: 13.38 min Scan# 1909
 Delta R.T. 0.00 min
 Lab File: VY002033.D
 Acq: 20 Mar 2020 11:48

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0320SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.8	62.5
148	63.5	31.4	94.0

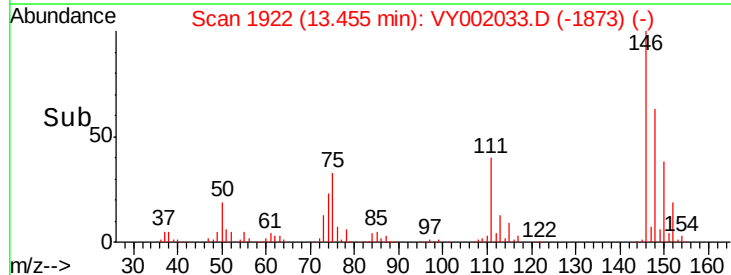
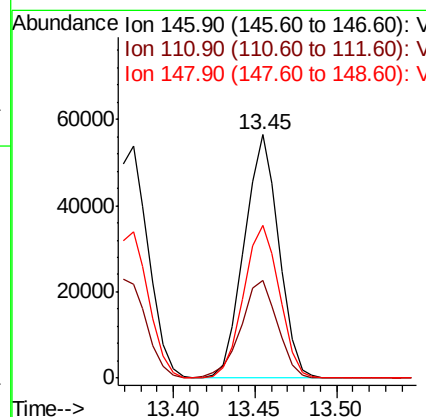
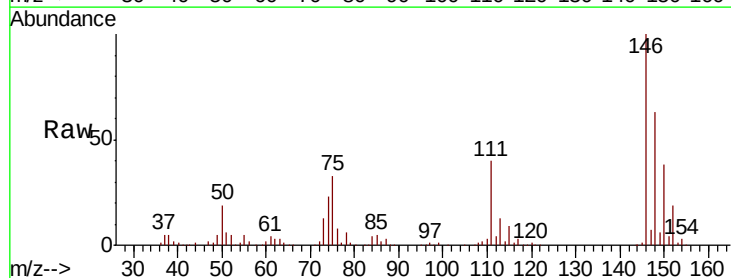
Manual Integrations
 APPROVED

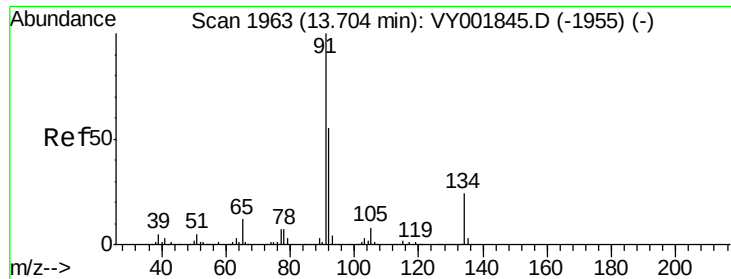
MMDadoda
 3/23/2020 2:21:23 PM



#88
 1,4-Dichlorobenzene
 Concen: 21.276 ug/l
 RT: 13.45 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VY002033.D
 Acq: 20 Mar 2020 11:48

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.6	20.0	60.0
148	65.0	31.5	94.5





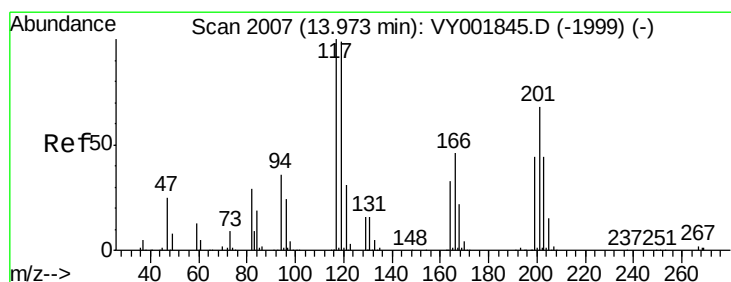
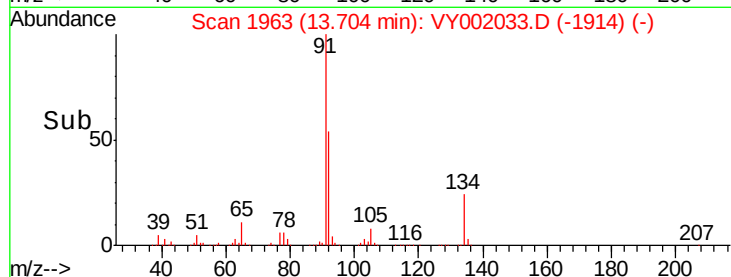
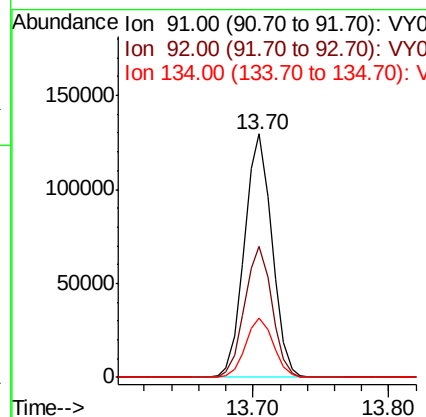
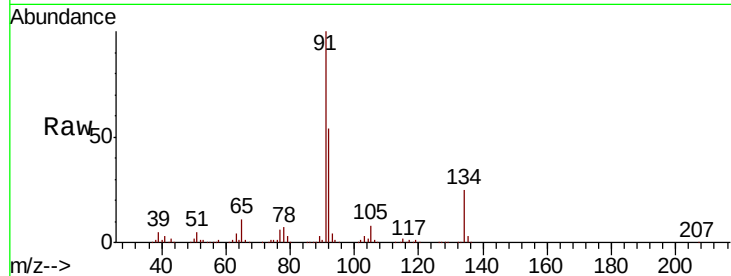
#89
n-Butylbenzene
Concen: 21.879 ug/l
RT: 13.70 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VY002033.D
Acq: 20 Mar 2020 11:48

Instrument :
MSVOA_Y
ClientSampleId :
VY0320SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	183470		
92	53.7		27.5	82.4
134	24.6		12.5	37.5

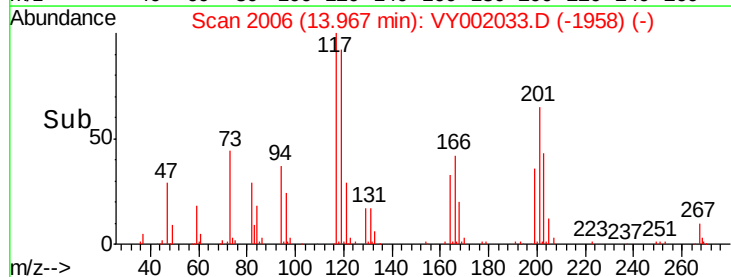
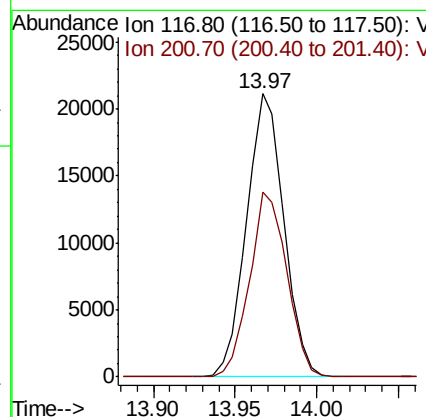
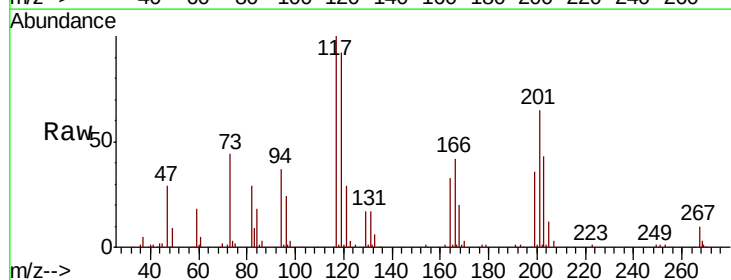
Manual Integrations
APPROVED

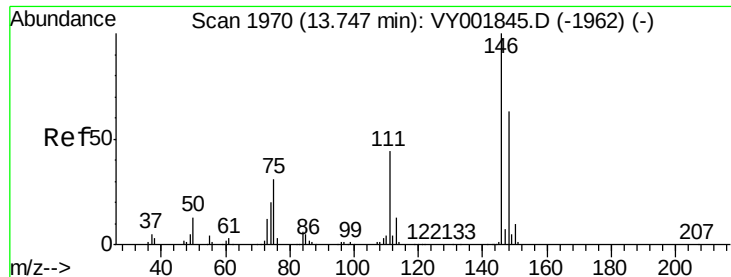
MMDadoda
3/23/2020 2:21:23 PM



#90
Hexachloroethane
Concen: 22.096 ug/l
RT: 13.97 min Scan# 2006
Delta R.T. -0.01 min
Lab File: VY002033.D
Acq: 20 Mar 2020 11:48

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	33692		
201	65.1		32.5	97.5





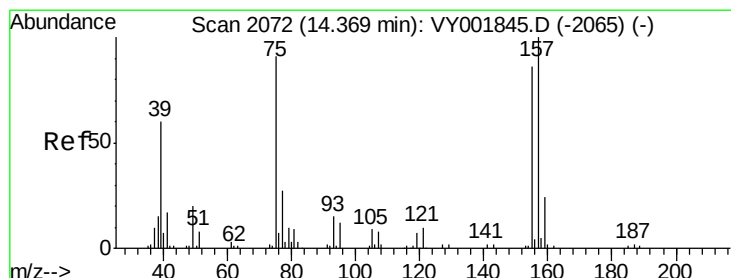
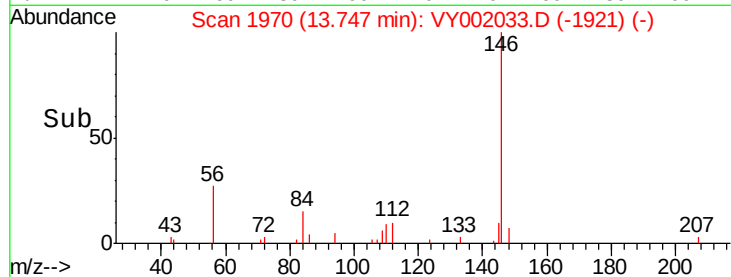
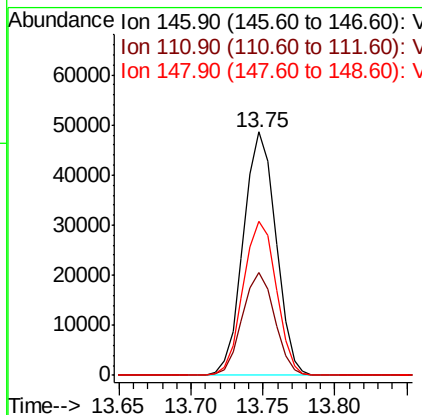
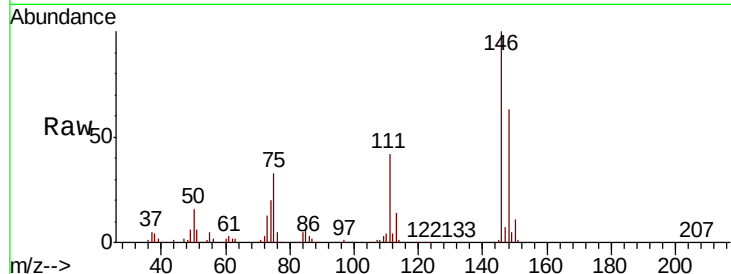
#91
 1,2-Dichlorobenzene
 Concen: 21.679 ug/l
 RT: 13.75 min Scan# 1970
 Delta R.T. 0.00 min
 Lab File: VY002033.D
 Acq: 20 Mar 2020 11:48

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0320SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.5	64.5
148	64.5	32.0	96.0

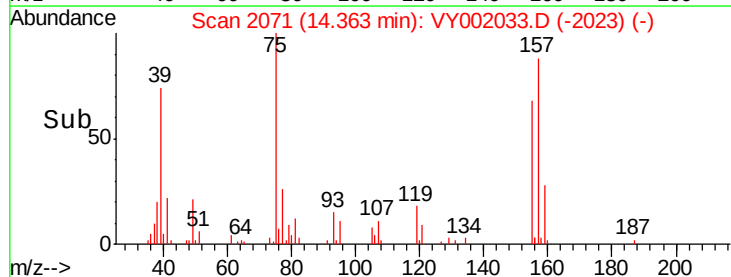
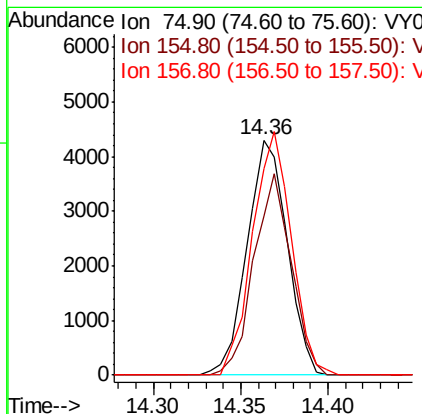
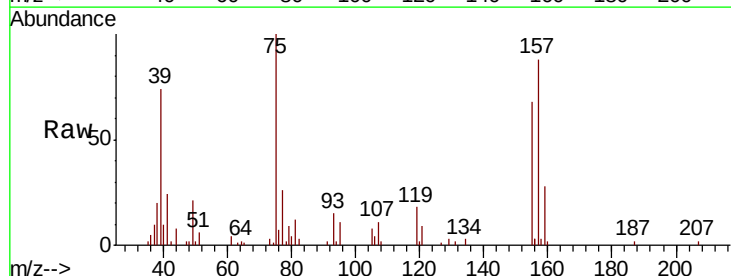
Manual Integrations
 APPROVED

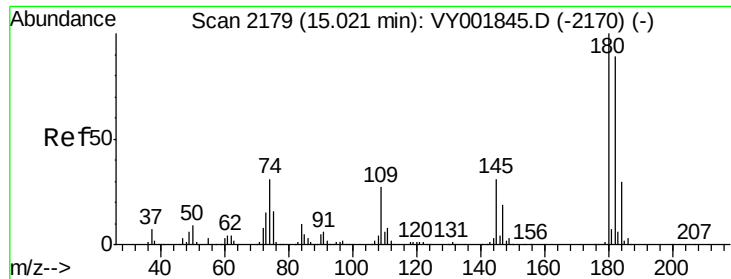
MMDadoda
 3/23/2020 2:21:23 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.919 ug/l
 RT: 14.36 min Scan# 2071
 Delta R.T. -0.01 min
 Lab File: VY002033.D
 Acq: 20 Mar 2020 11:48

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.8	42.9	128.7
157	100.4	53.1	159.4





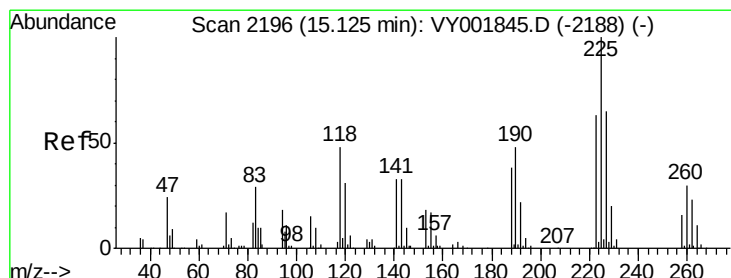
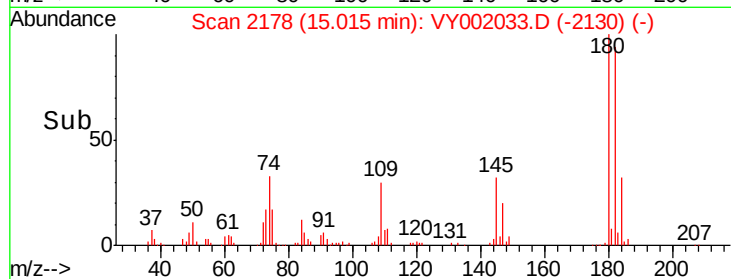
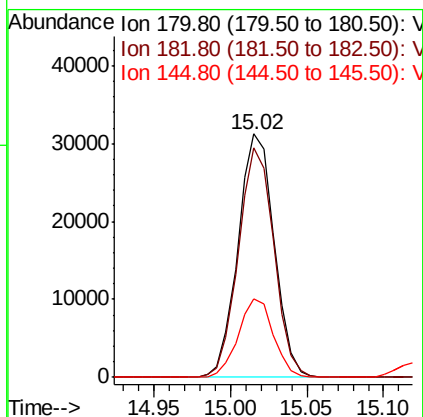
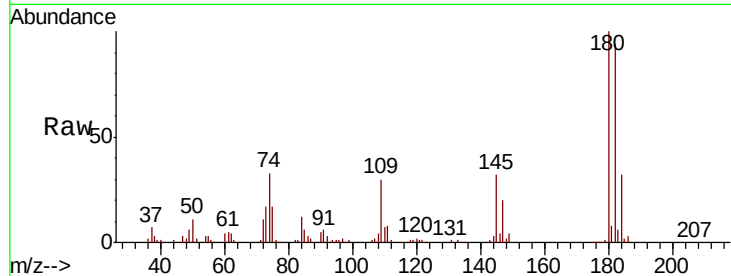
#93
1,2,4-Trichlorobenzene
Concen: 22.506 ug/l
RT: 15.02 min Scan# 2178
Delta R.T. -0.01 min
Lab File: VY002033.D
Acq: 20 Mar 2020 11:48

Instrument :
MSVOA_Y
ClientSampleId :
VY0320SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.8	46.1	138.3
145	31.4	15.6	46.8

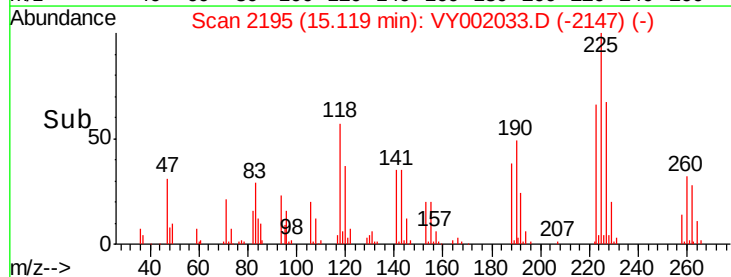
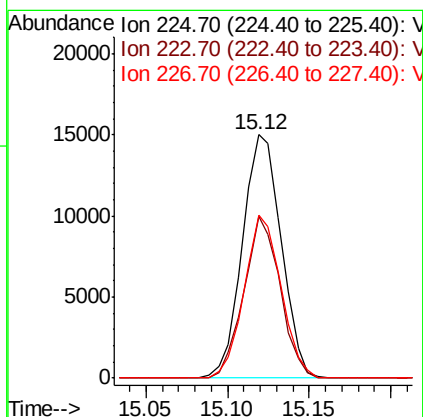
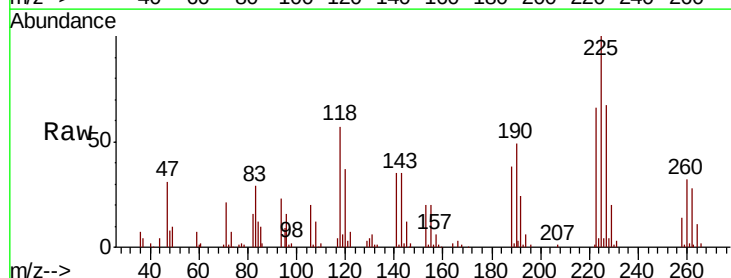
Manual Integrations
APPROVED

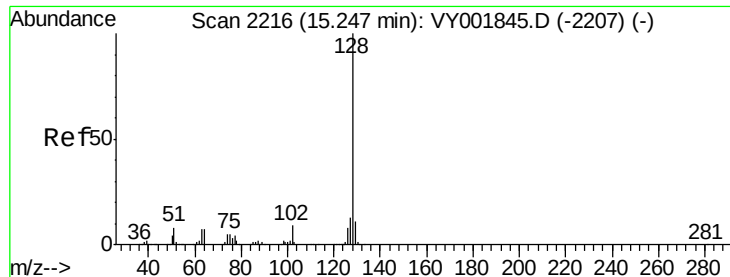
MMDadoda
3/23/2020 2:21:23 PM



#94
Hexachlorobutadiene
Concen: 22.402 ug/l
RT: 15.12 min Scan# 2195
Delta R.T. -0.01 min
Lab File: VY002033.D
Acq: 20 Mar 2020 11:48

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.1	31.5	94.5
227	63.8	31.9	95.5





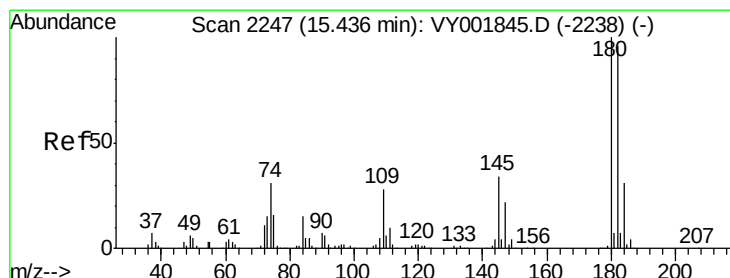
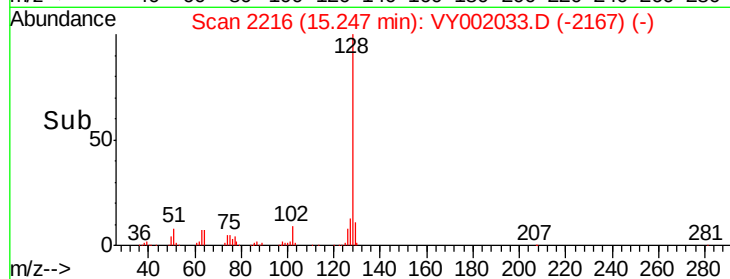
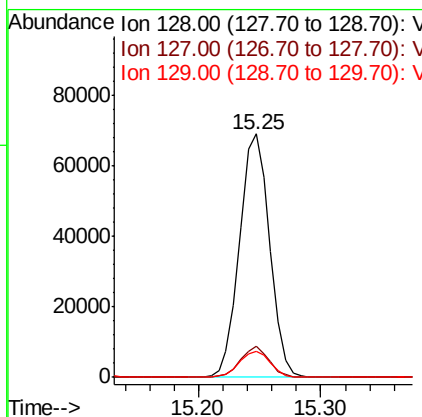
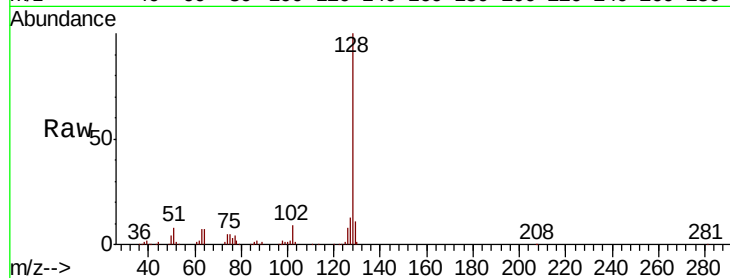
#95
Naphthalene
Concen: 21.855 ug/l
RT: 15.25 min Scan# 2216
Delta R.T. 0.00 min
Lab File: VY002033.D
Acq: 20 Mar 2020 11:48

Instrument :
MSVOA_Y
ClientSampleId :
VY0320SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.0	10.1	15.1
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
3/23/2020 2:21:23 PM



#96
1,2,3-Trichlorobenzene
Concen: 22.425 ug/l
RT: 15.44 min Scan# 2247
Delta R.T. 0.00 min
Lab File: VY002033.D
Acq: 20 Mar 2020 11:48

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	47.6	142.9
145	32.9	16.8	50.3

