

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY022120\
 Data File : VY001734.D
 Acq On : 21 Feb 2020 12:08
 Operator : SY/MD
 Sample : VY0221SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0221SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/24/2020 11:09:37 AM

Quant Time: Feb 22 04:03:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 17 12:19:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.83	168	198596	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.72	114	356430	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.51	117	318676	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	148850	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.17	65	105779	49.52	ug/l	0.00
Spiked Amount			Recovery	=	99.04%	
35) Dibromofluoromethane	7.75	113	97327	47.67	ug/l	0.00
Spiked Amount			Recovery	=	95.34%	
50) Toluene-d8	10.21	98	406689	50.85	ug/l	0.01
Spiked Amount			Recovery	=	101.70%	
62) 4-Bromofluorobenzene	12.50	95	146925	47.29	ug/l	0.00
Spiked Amount			Recovery	=	94.58%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.92	85	33342	17.223	ug/l	99
3) Chloromethane	2.13	50	48520	18.634	ug/l	100
4) Vinyl Chloride	2.27	62	48642	18.521	ug/l	97
5) Bromomethane	2.67	94	33593	20.466	ug/l	99
6) Chloroethane	2.82	64	31312	19.348	ug/l	96
7) Trichlorofluoromethane	3.15	101	66534	19.794	ug/l	99
8) Diethyl Ether	3.56	74	25424	19.187	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.94	101	41782	19.777	ug/l	99
10) Methyl Iodide	4.13	142	46091	17.826	ug/l	99
11) Tert butyl alcohol	4.99	59	31294	112.527	ug/l #	94
12) 1,1-Dichloroethene	3.90	96	42818	19.871	ug/l	93
13) Acrolein	3.77	56	18809	87.182	ug/l	98
14) Allyl chloride	4.52	41	76774	20.020	ug/l	98
15) Acrylonitrile	5.21	53	68662	101.092	ug/l	99
16) Acetone	3.99	43	61940	83.799	ug/l	94
17) Carbon Disulfide	4.23	76	135037	18.771	ug/l	100
18) Methyl Acetate	4.52	43	34367	21.350	ug/l	98
19) Methyl tert-butyl Ether	5.27	73	117786	19.633	ug/l	97
20) Methylene Chloride	4.76	84	53797	20.491	ug/l	98
21) trans-1,2-Dichloroethene	5.27	96	48758	19.833	ug/l	99
22) Diisopropyl ether	6.16	45	159460	20.248	ug/l	98
23) Vinyl Acetate	6.10	43	501243	97.573	ug/l	98
24) 1,1-Dichloroethane	6.07	63	84837	20.155	ug/l	99
25) 2-Butanone	7.03	43	93299	92.918	ug/l	99
26) 2,2-Dichloropropane	7.02	77	74379	20.310	ug/l	97
27) cis-1,2-Dichloroethene	7.02	96	53800	19.825	ug/l	99
28) Bromochloromethane	7.37	49	33346	19.018	ug/l	99
29) Tetrahydrofuran	7.38	42	59458	97.970	ug/l	98
30) Chloroform	7.54	83	81035	19.703	ug/l	98
31) Cyclohexane	7.82	56	88092	19.629	ug/l #	93
32) 1,1,1-Trichloroethane	7.74	97	68421	19.793	ug/l	98
36) 1,1-Dichloropropene	7.95	75	66378	19.497	ug/l	99
37) Ethyl Acetate	7.11	43	39234	19.308	ug/l	98
38) Carbon Tetrachloride	7.94	117	60088	20.093	ug/l	93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY022120\
 Data File : VY001734.D
 Acq On : 21 Feb 2020 12:08
 Operator : SY/MD
 Sample : VY0221SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0221SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/24/2020 11:09:37 AM

Quant Time: Feb 22 04:03:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 17 12:19:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.21	83	87856	19.451	ug/l	100
40) Benzene	8.19	78	199546	19.928	ug/l	100
41) Methacrylonitrile	7.36	41	19990m	19.592	ug/l	
42) 1,2-Dichloroethane	8.27	62	54653	20.035	ug/l	99
43) Isopropyl Acetate	8.30	43	73814	19.145	ug/l	99
44) Trichloroethene	8.97	130	49306	19.726	ug/l	97
45) 1,2-Dichloropropane	9.24	63	49618	19.786	ug/l	97
46) Dibromomethane	9.33	93	25422	19.382	ug/l	99
47) Bromodichloromethane	9.52	83	61311	19.368	ug/l	98
48) Methyl methacrylate	9.31	41	33100	18.983	ug/l	98
49) 1,4-Dioxane	9.32	88	6756	364.693	ug/l	90
51) 4-Methyl-2-Pentanone	10.10	43	193227	97.544	ug/l	99
52) Toluene	10.27	92	123174	19.721	ug/l	100
53) t-1,3-Dichloropropene	10.49	75	68038	19.442	ug/l	99
54) cis-1,3-Dichloropropene	9.95	75	78538	19.499	ug/l	99
55) 1,1,2-Trichloroethane	10.67	97	37984	19.640	ug/l	97
56) Ethyl methacrylate	10.53	69	55460	19.115	ug/l	99
57) 1,3-Dichloropropane	10.81	76	68258	19.863	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.81	63	143331	121.534	ug/l	99
59) 2-Hexanone	10.85	43	139178	93.639	ug/l	97
60) Dibromochloromethane	11.00	129	41082	19.267	ug/l	99
61) 1,2-Dibromoethane	11.11	107	35743	19.546	ug/l	99
64) Tetrachloroethene	10.74	164	39229	19.609	ug/l	98
65) Chlorobenzene	11.53	112	128238	20.156	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.61	131	43251	20.152	ug/l	100
67) Ethyl Benzene	11.61	91	235308	19.930	ug/l	98
68) m/p-Xylenes	11.72	106	176693	40.062	ug/l	99
69) o-Xylene	12.05	106	83155	19.832	ug/l	99
70) Styrene	12.06	104	143132	19.642	ug/l	100
71) Bromoform	12.23	173	22861	18.639	ug/l #	99
73) Isopropylbenzene	12.35	105	224224	19.773	ug/l	100
74) N-amyl acetate	12.16	43	69085	19.090	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.60	83	47118	19.460	ug/l	100
76) 1,2,3-Trichloropropane	12.65	75	33982m	19.902	ug/l	
77) Bromobenzene	12.63	156	48823	19.861	ug/l	95
78) n-propylbenzene	12.69	91	277955	20.126	ug/l	100
79) 2-Chlorotoluene	12.78	91	155288	20.048	ug/l	99
80) 1,3,5-Trimethylbenzene	12.83	105	187117	19.934	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	17302	19.224	ug/l	95
82) 4-Chlorotoluene	12.88	91	160871	19.691	ug/l	98
83) tert-Butylbenzene	13.09	119	159584	20.327	ug/l	99
84) 1,2,4-Trimethylbenzene	13.14	105	188311	20.122	ug/l	100
85) sec-Butylbenzene	13.27	105	230036	19.923	ug/l	99
86) p-Isopropyltoluene	13.39	119	200910	20.029	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	93580	19.629	ug/l	99
88) 1,4-Dichlorobenzene	13.46	146	95364	19.788	ug/l	99
89) n-Butylbenzene	13.72	91	205169	20.017	ug/l	100
90) Hexachloroethane	13.98	117	37480	19.832	ug/l	99
91) 1,2-Dichlorobenzene	13.76	146	84365	19.175	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.38	75	7741	19.372	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY022120\
Data File : VY001734.D
Acq On : 21 Feb 2020 12:08
Operator : SY/MD
Sample : VY0221SBS01
Misc : 5.00G/5ML/MSVOA Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0221SBS01

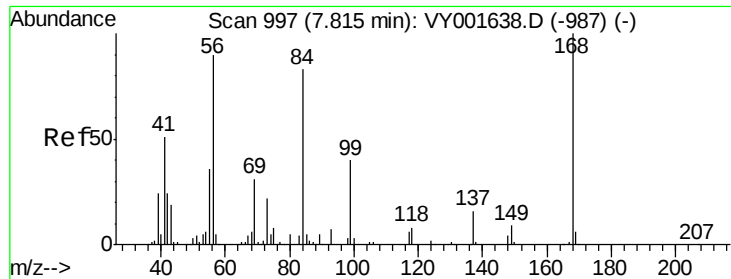
Manual Integrations
APPROVED

MMDadoda
2/24/2020 11:09:37 AM

Quant Time: Feb 22 04:03:33 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 17 12:19:53 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	54817	18.801	ug/l	97
94) Hexachlorobutadiene	15.13	225	27396	18.894	ug/l	99
95) Naphthalene	15.25	128	125966	18.738	ug/l	100
96) 1,2,3-Trichlorobenzene	15.44	180	49078	19.133	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.83 min Scan# 999

Delta R.T. 0.01 min

Lab File: VY001734.D

Acq: 21 Feb 2020 12:08

Instrument :

MSVOA_Y

ClientSampleId :

VY0221SBS01

Tot Ion:168 Resp: 198596

Ion Ratio Lower Upper

168 100

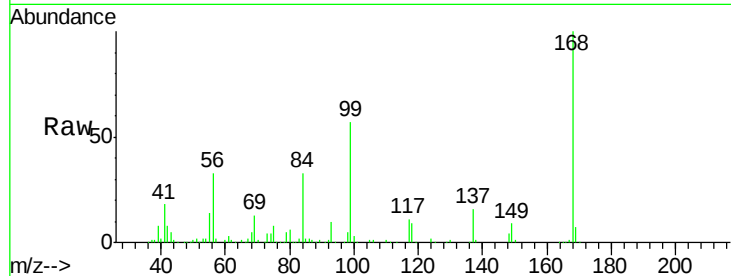
99 56.8 47.5 71.3

Manual Integrations

APPROVED

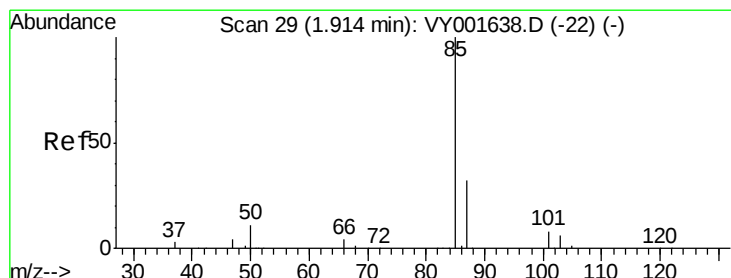
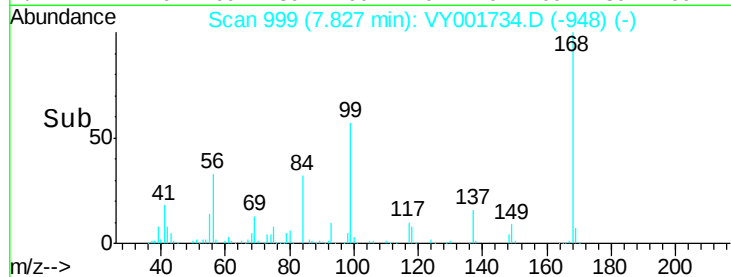
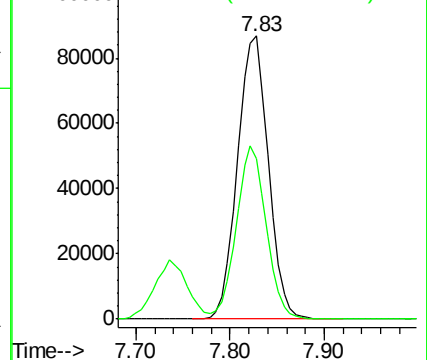
MMDadoda

2/24/2020 11:09:37 AM



Abundance Ion 167.90 (167.60 to 168.60): VY001734.D (-948) (-)

Ion 98.90 (98.60 to 99.60): VY001734.D (-948) (-)



#2

Dichlorodifluoromethane

Concen: 17.223 ug/l

RT: 1.92 min Scan# 30

Delta R.T. 0.01 min

Lab File: VY001734.D

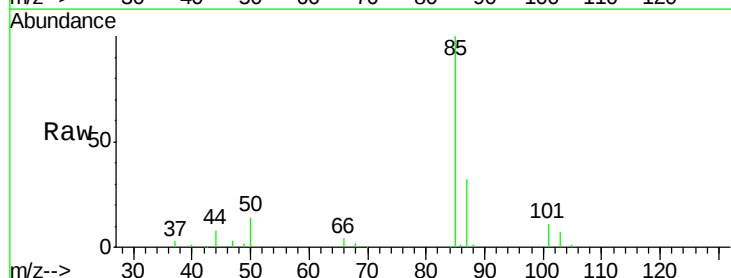
Acq: 21 Feb 2020 12:08

Tgt Ion: 85 Resp: 33342

Ion Ratio Lower Upper

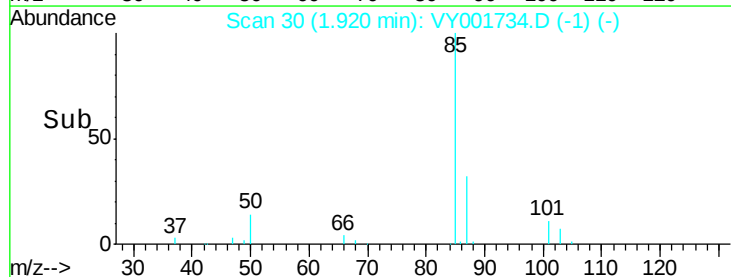
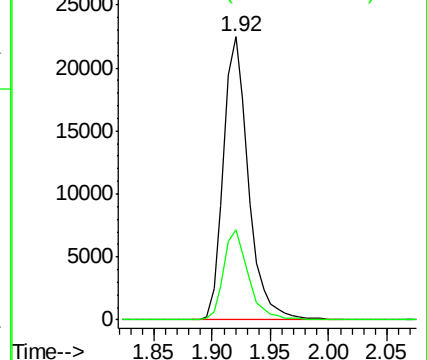
85 100

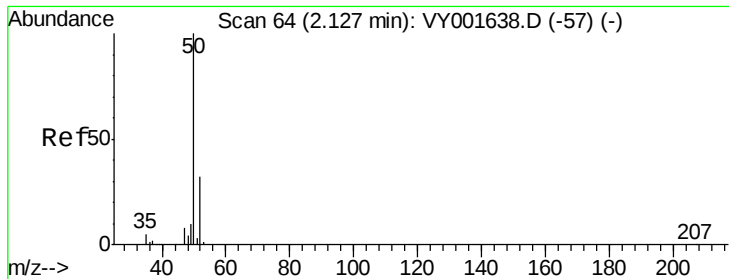
87 31.9 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VY001734.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VY001734.D (-1) (-)





#3

Chloromethane

Concen: 18.634 ug/l

RT: 2.13 min Scan# 65

Delta R.T. 0.01 min

Lab File: VY001734.D

Acq: 21 Feb 2020 12:08

Instrument :

MSVOA_Y

ClientSampleId :

VY0221SBS01

Tot Ion: 50 Resp: 48520

Ion Ratio Lower Upper

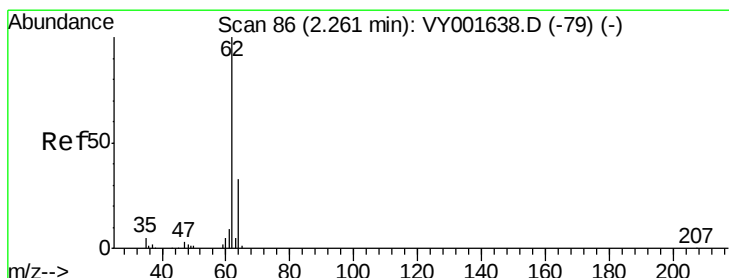
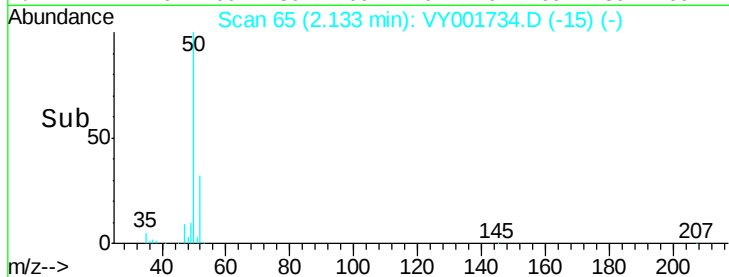
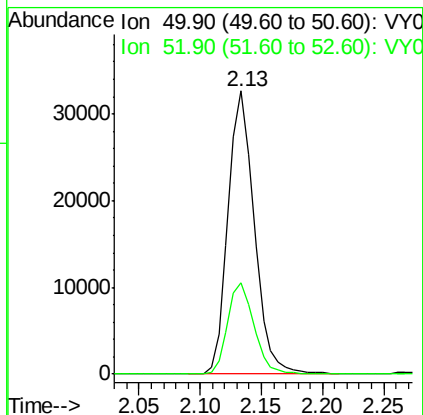
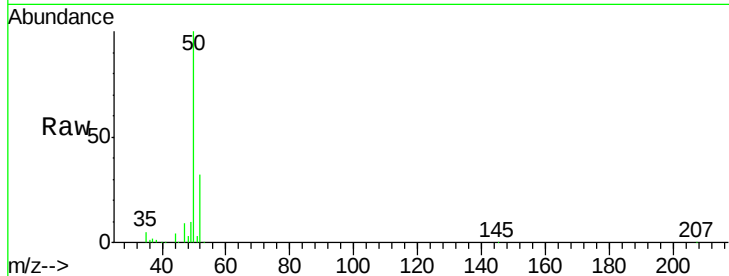
50 100

52 32.1 25.8 38.6

Manual Integrations
APPROVED

MMDadoda

2/24/2020 11:09:37 AM



#4

Vinyl Chloride

Concen: 18.521 ug/l

RT: 2.27 min Scan# 88

Delta R.T. 0.01 min

Lab File: VY001734.D

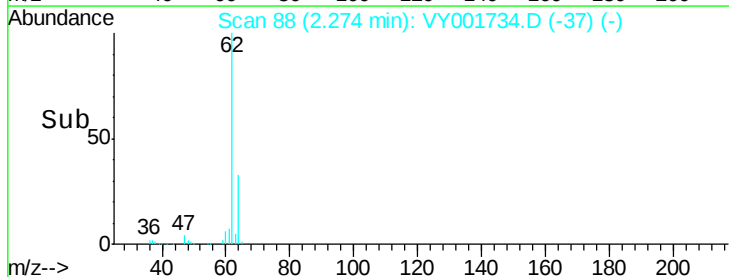
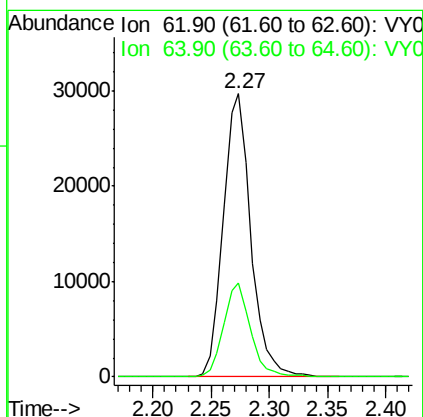
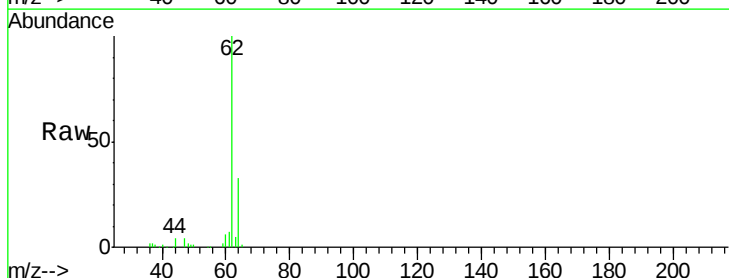
Acq: 21 Feb 2020 12:08

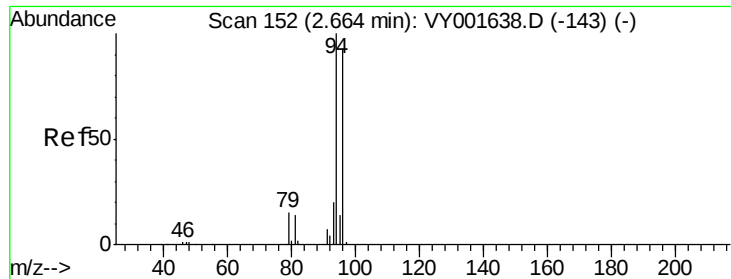
Tgt Ion: 62 Resp: 48642

Ion Ratio Lower Upper

62 100

64 33.0 24.9 37.3





#5

Bromomethane

Concen: 20.466 ug/l

RT: 2.67 min Scan# 153

Delta R.T. 0.01 min

Lab File: VY001734.D

Acq: 21 Feb 2020 12:08

Instrument :

MSVOA_Y

ClientSampleId :

VY0221SBS01

Tot Ion: 94 Resp: 33593

Ion Ratio Lower Upper

94 100

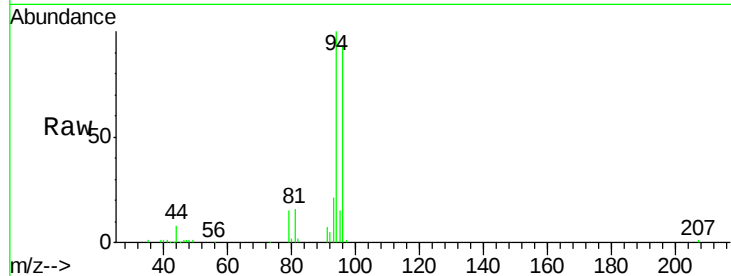
96 93.4 73.7 110.5

Manual Integrations

APPROVED

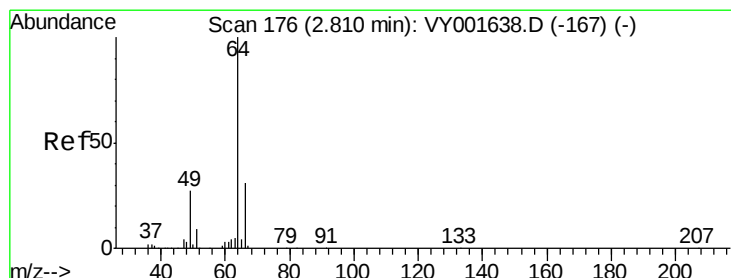
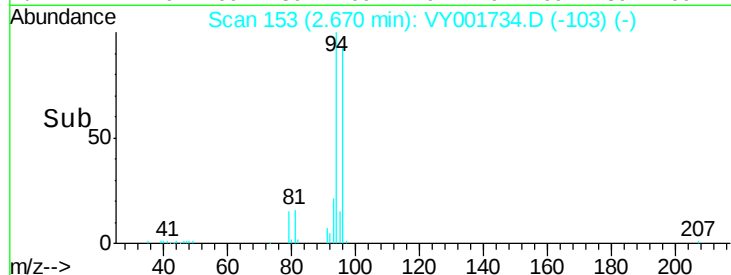
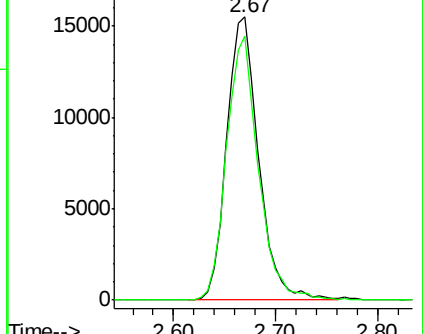
MMDadoda

2/24/2020 11:09:37 AM



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 19.348 ug/l

RT: 2.82 min Scan# 177

Delta R.T. 0.01 min

Lab File: VY001734.D

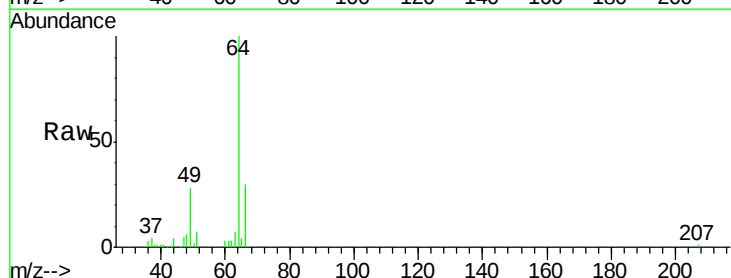
Acq: 21 Feb 2020 12:08

Tgt Ion: 64 Resp: 31312

Ion Ratio Lower Upper

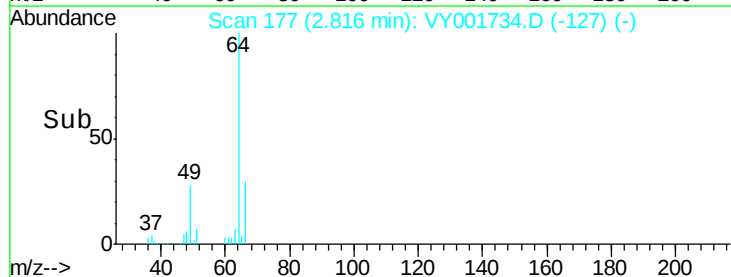
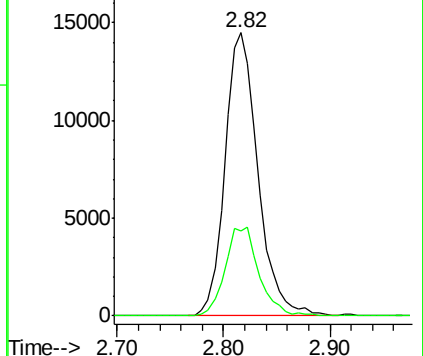
64 100

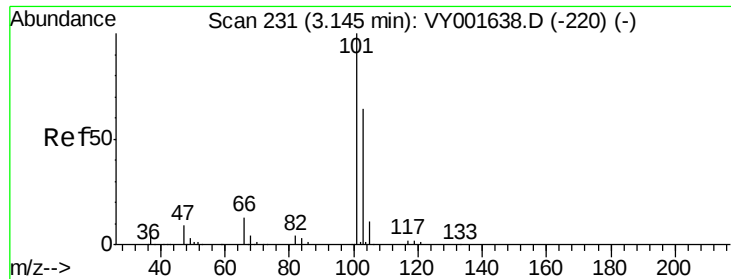
66 29.9 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

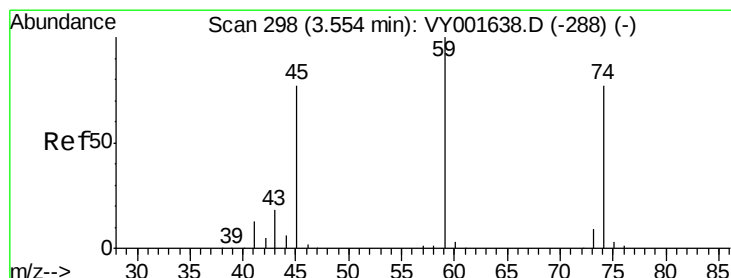
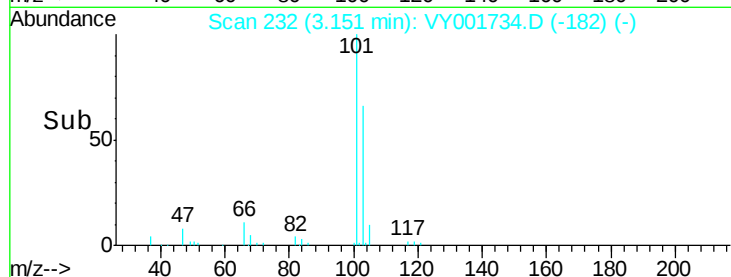
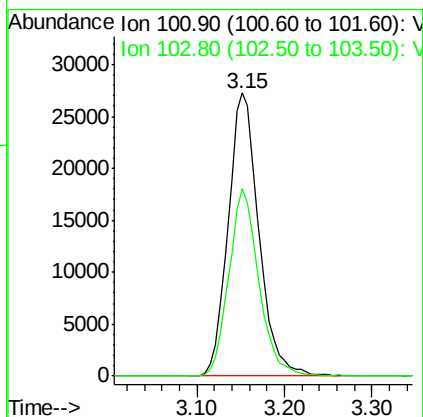
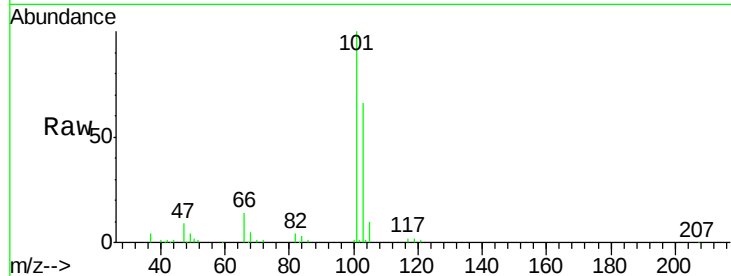
Trichlorofluoromethane
Concen: 19.794 ug/l
RT: 3.15 min Scan# 232
Delta R.T. 0.01 min
Lab File: VY001734.D
Acq: 21 Feb 2020 12:08

Instrument :
MSVOA_Y
ClientSampleId :
VY0221SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.2	52.2	78.2

Manual Integrations
APPROVED

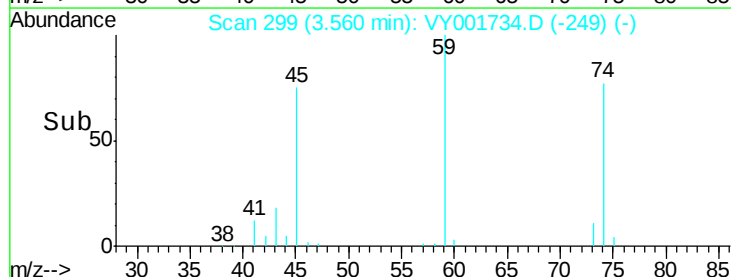
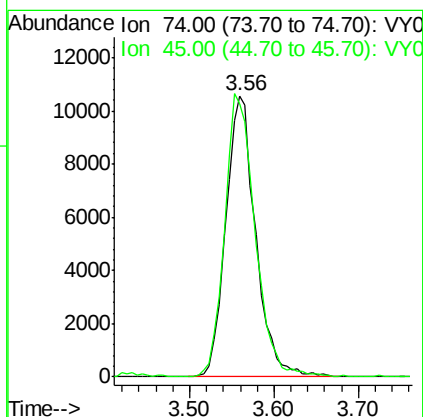
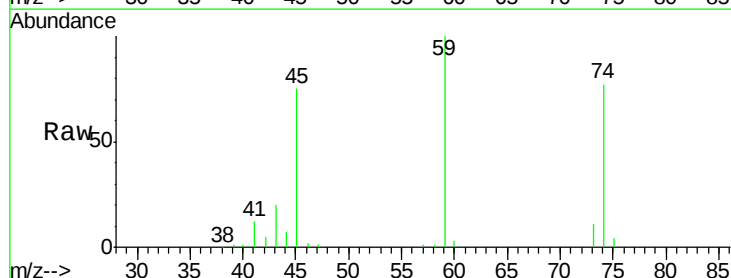
MMDadoda
2/24/2020 11:09:37 AM

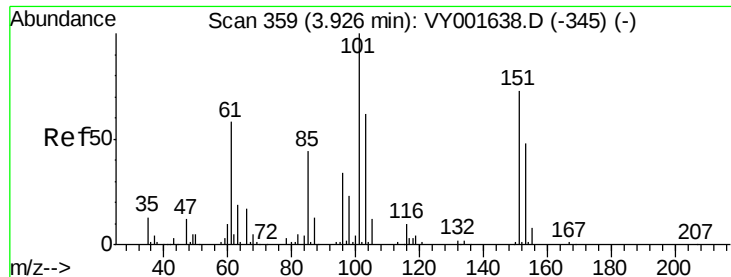


#8

Diethyl Ether
Concen: 19.187 ug/l
RT: 3.56 min Scan# 299
Delta R.T. 0.01 min
Lab File: VY001734.D
Acq: 21 Feb 2020 12:08

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.8	49.6	148.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.777 ug/l

RT: 3.94 min Scan# 361

Delta R.T. 0.01 min

Lab File: VY001734.D

Acq: 21 Feb 2020 12:08

Instrument :

MSVOA_Y

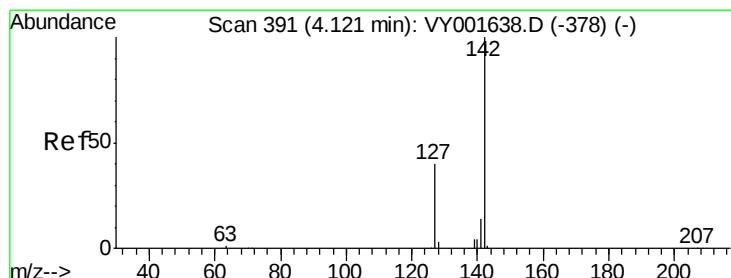
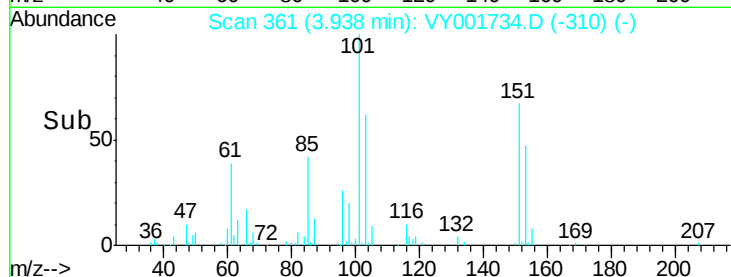
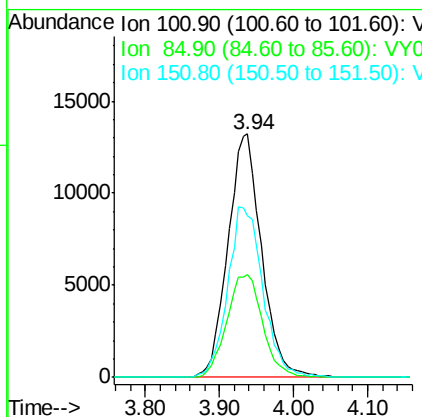
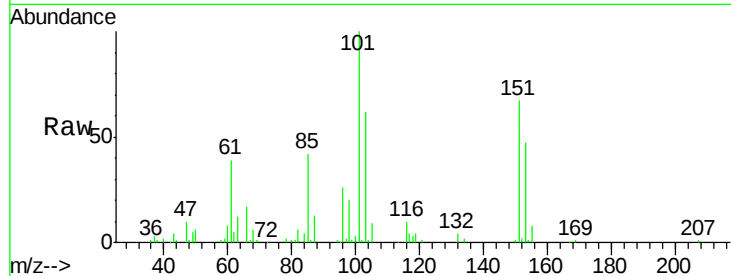
ClientSampleId :

VY0221SBS01

Tot Ion:	101	Resp:	41782
Ion Ratio	Lower	Upper	
101	100		
85	44.8	35.1	52.7
151	73.1	58.4	87.6

Manual Integrations
APPROVED

MMDadoda
2/24/2020 11:09:37 AM



#10

Methyl Iodide

Concen: 17.826 ug/l

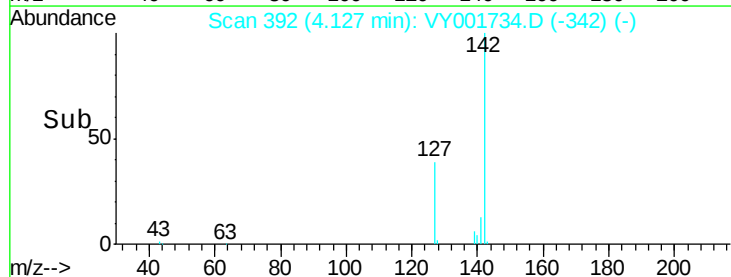
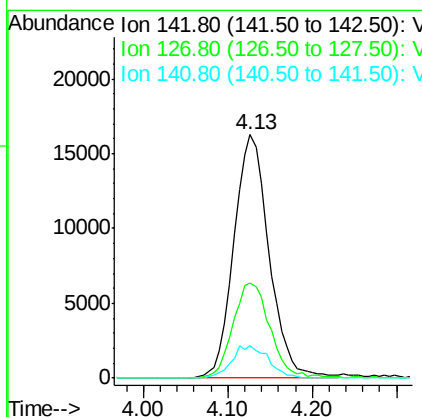
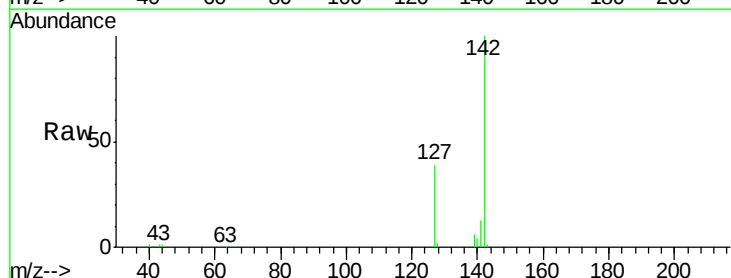
RT: 4.13 min Scan# 392

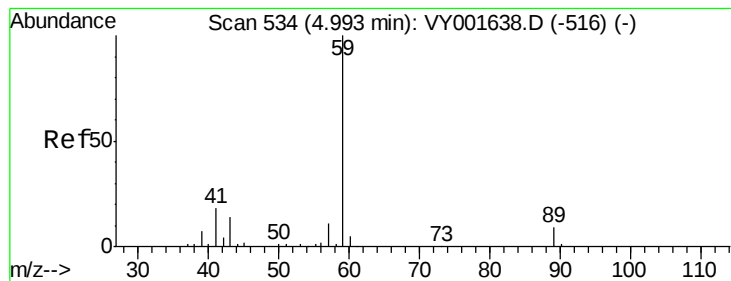
Delta R.T. 0.01 min

Lab File: VY001734.D

Acq: 21 Feb 2020 12:08

Tgt Ion:	142	Resp:	46091
Ion Ratio	Lower	Upper	
142	100		
127	41.0	32.1	48.1
141	13.8	11.3	16.9





#11

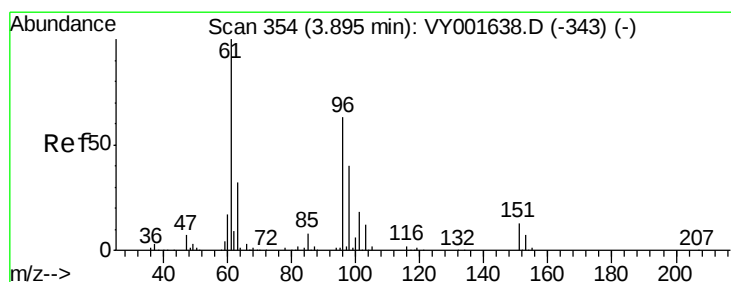
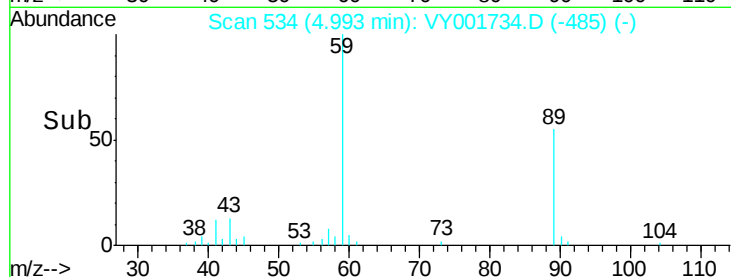
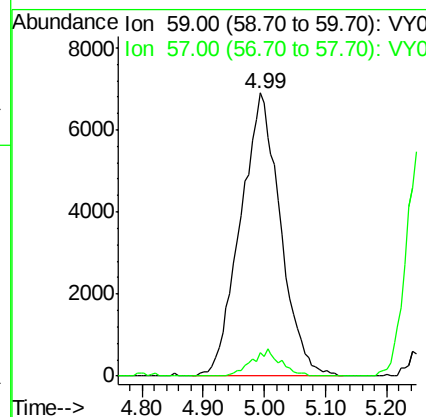
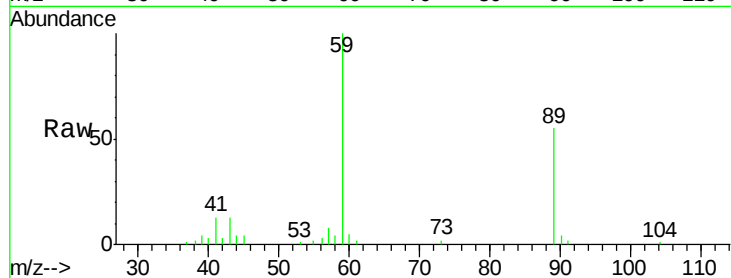
Tert butyl alcohol
Concen: 112.527 ug/l
RT: 4.99 min Scan# 534
Delta R.T. 0.00 min
Lab File: VY001734.D
Acq: 21 Feb 2020 12:08

Instrument :
MSVOA_Y
ClientSampleId :
VY0221SBS01

Tot Ion	59	Resp	31294
Ion Ratio	100	Lower	Upper
57	6.9	7.4	11.2#

Manual Integrations
APPROVED

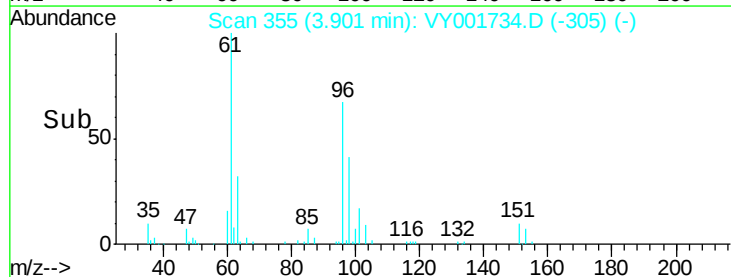
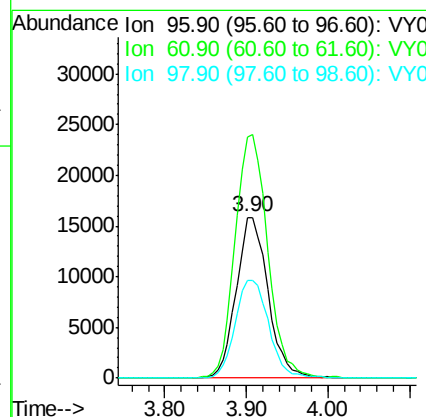
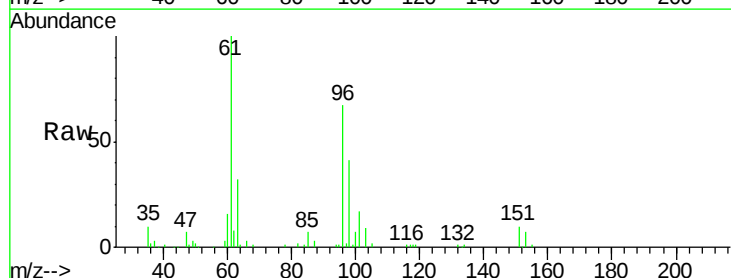
MMDadoda
2/24/2020 11:09:37 AM

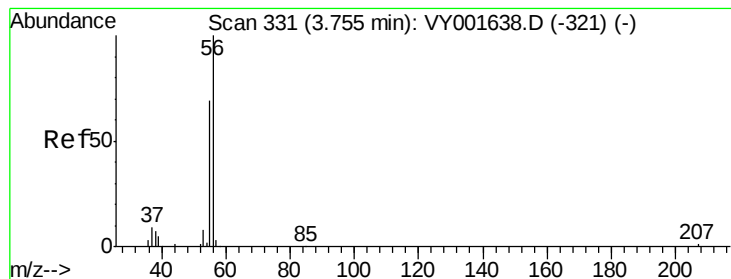


#12

1,1-Dichloroethene
Concen: 19.871 ug/l
RT: 3.90 min Scan# 355
Delta R.T. 0.01 min
Lab File: VY001734.D
Acq: 21 Feb 2020 12:08

Tgt Ion	96	Resp	42818
Ion Ratio	100	Lower	Upper
61	149.9	128.7	193.1
98	60.9	50.7	76.1





#13

Acrolein

Concen: 87.182 ug/l

RT: 3.77 min Scan# 333

Delta R.T. 0.01 min

Lab File: VY001734.D

Acq: 21 Feb 2020 12:08

Instrument :

MSVOA_Y

ClientSampleId :

VY0221SBS01

Tot Ion: 56 Resp: 18809

Ion Ratio Lower Upper

56 100

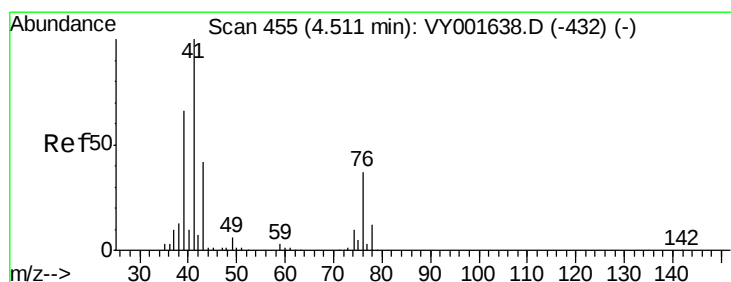
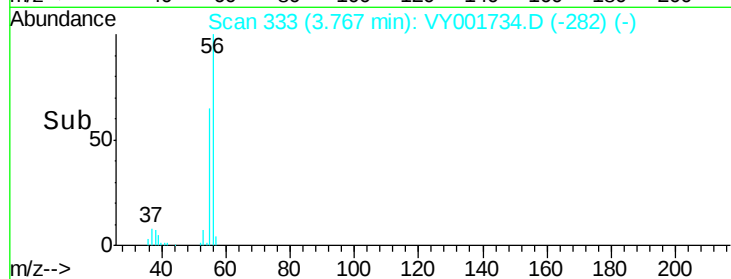
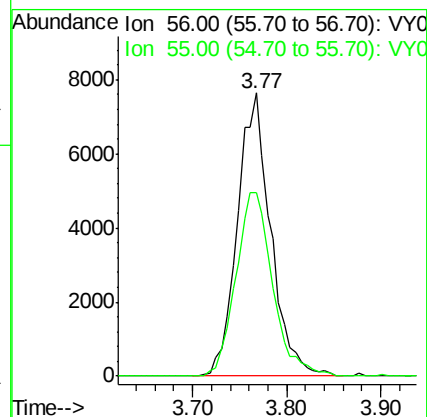
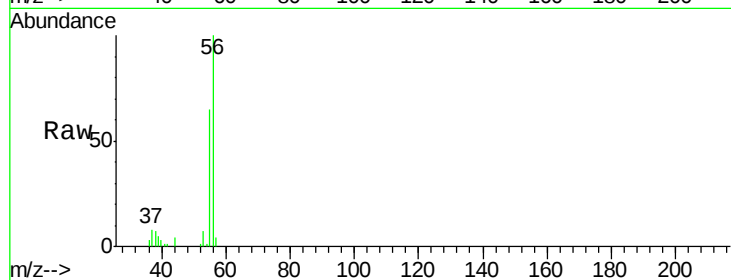
55 71.9 56.1 84.1

Manual Integrations

APPROVED

MMDadoda

2/24/2020 11:09:37 AM



#14

Allyl chloride

Concen: 20.020 ug/l

RT: 4.52 min Scan# 457

Delta R.T. 0.01 min

Lab File: VY001734.D

Acq: 21 Feb 2020 12:08

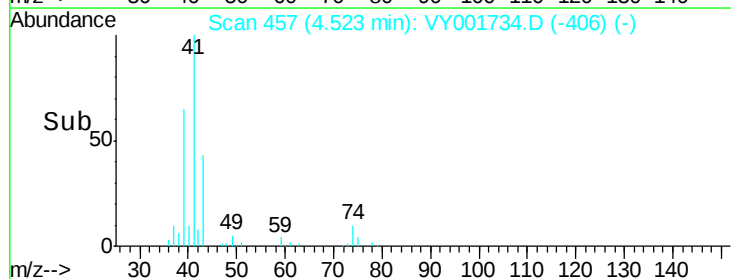
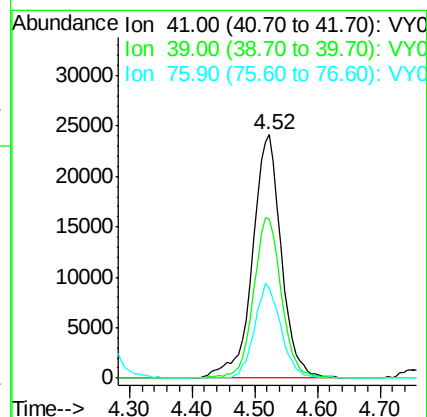
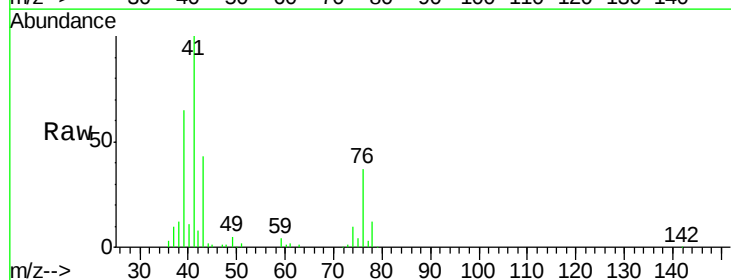
Tgt Ion: 41 Resp: 76774

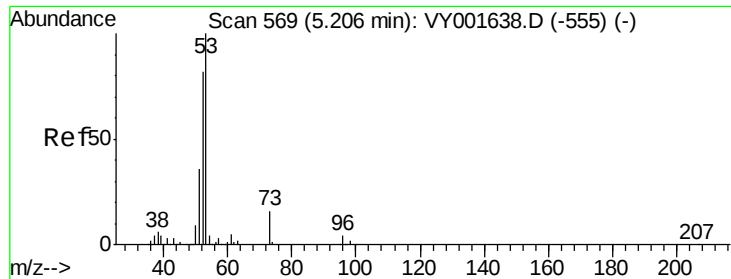
Ion Ratio Lower Upper

41 100

39 63.9 49.4 74.0

76 35.4 29.0 43.6





#15

Acrylonitrile

Concen: 101.092 ug/l

RT: 5.21 min Scan# 569

Delta R.T. -0.00 min

Lab File: VY001734.D

Acq: 21 Feb 2020 12:08

Instrument :

MSVOA_Y

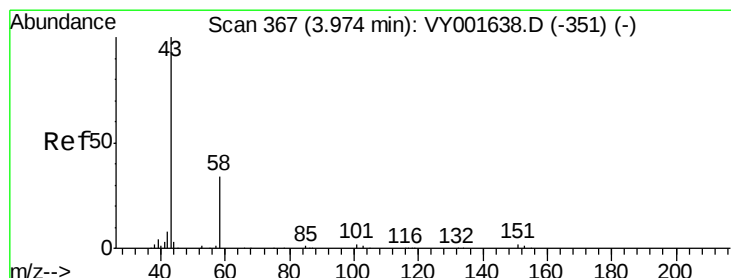
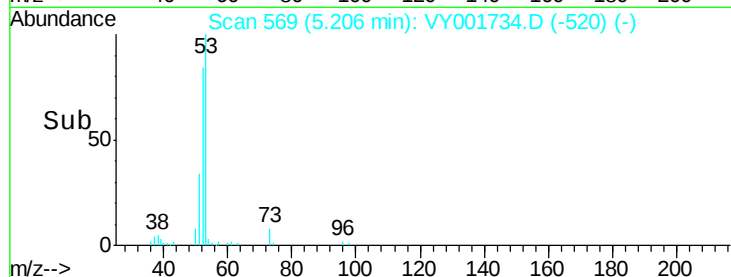
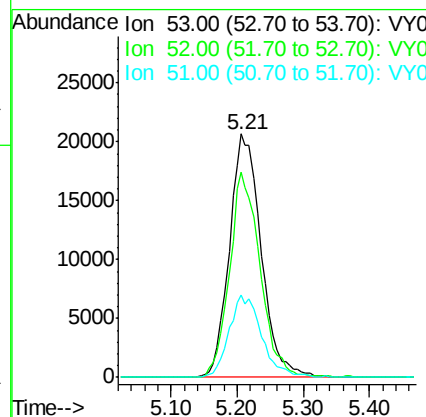
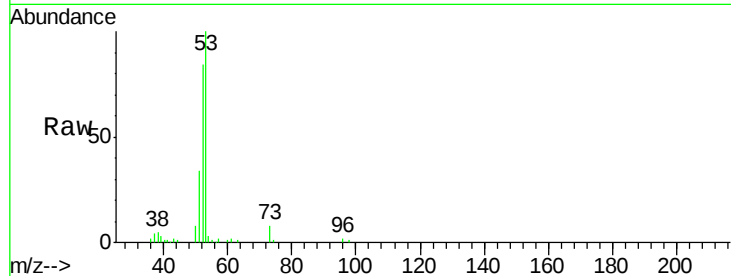
ClientSampleId :

VY0221SBS01

Tot Ion:	53	Resp:	68662
Ion Ratio	Lower	Upper	
53	100		
52	81.0	65.4	98.0
51	34.5	28.0	42.0

Manual Integrations
APPROVED

MMDadoda
2/24/2020 11:09:37 AM



#16

Acetone

Concen: 83.799 ug/l

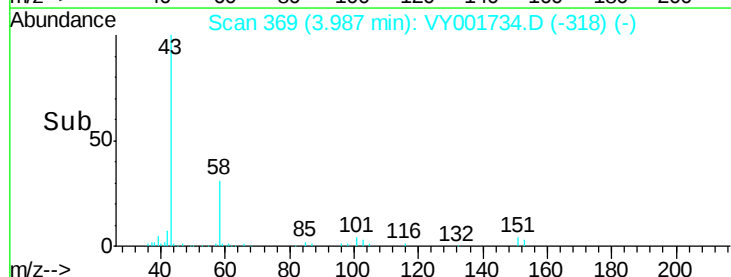
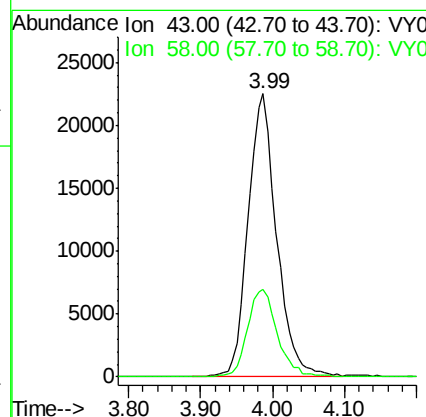
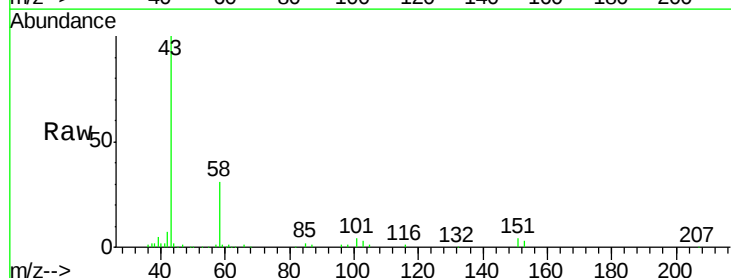
RT: 3.99 min Scan# 369

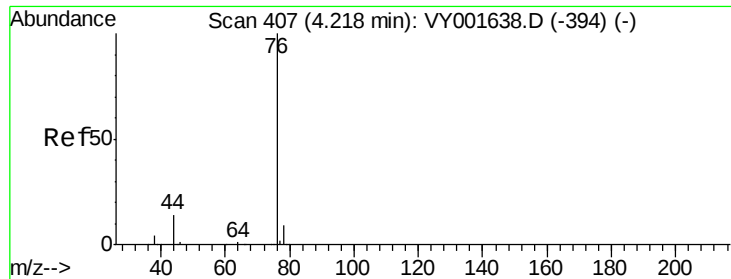
Delta R.T. 0.01 min

Lab File: VY001734.D

Acq: 21 Feb 2020 12:08

Tgt Ion:	43	Resp:	61940
Ion Ratio	Lower	Upper	
43	100		
58	30.8	27.3	40.9





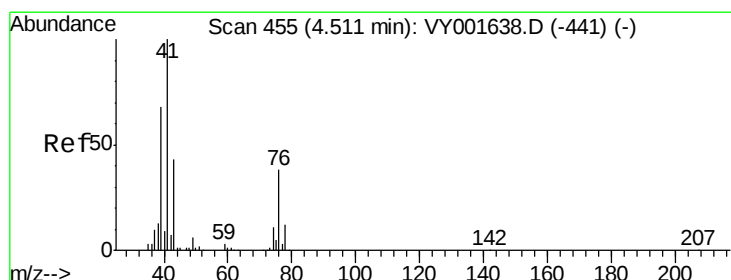
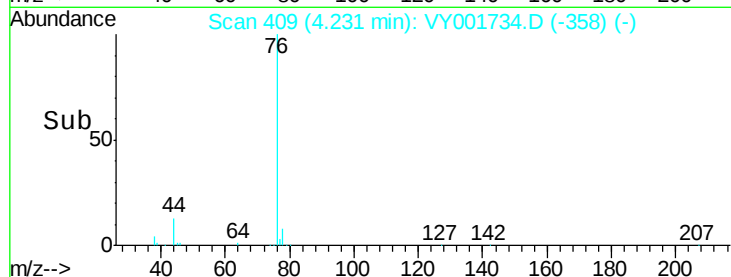
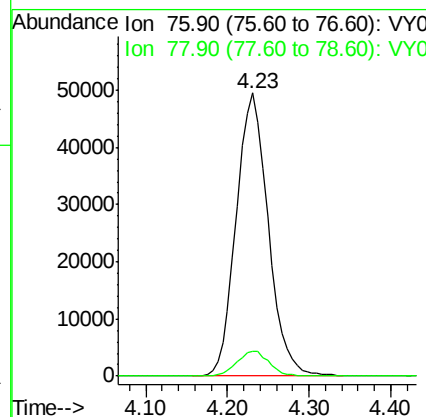
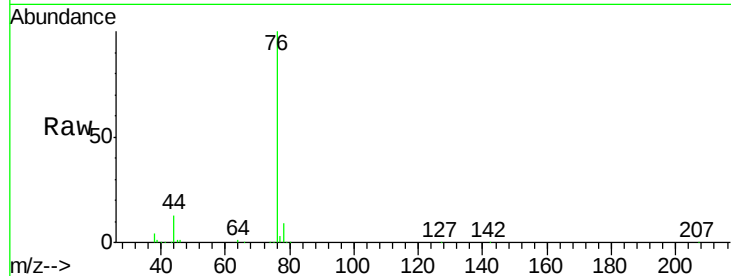
#17
Carbon Disulfide
Concen: 18.771 ug/l
RT: 4.23 min Scan# 409
Delta R.T. 0.01 min
Lab File: VY001734.D
Acq: 21 Feb 2020 12:08

Instrument :
MSVOA_Y
ClientSampleId :
VY0221SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.3	10.9

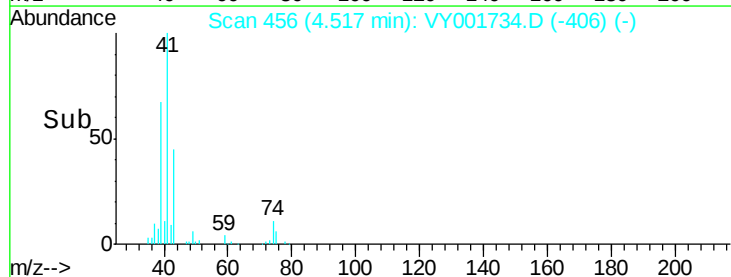
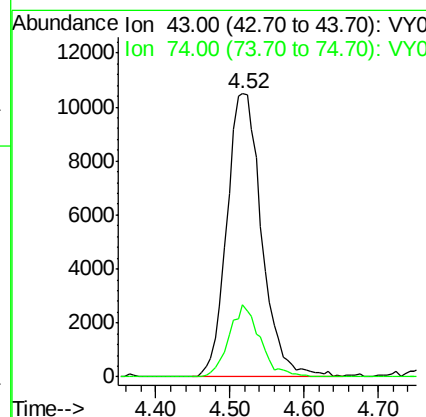
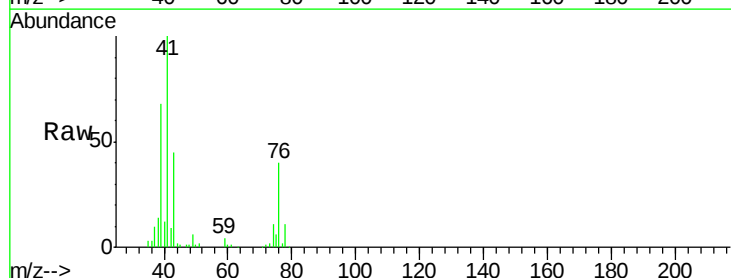
Manual Integrations
APPROVED

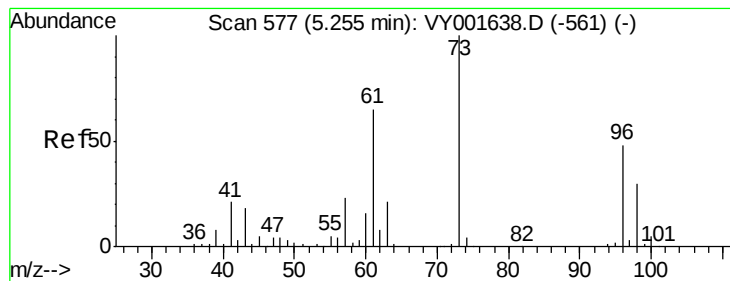
MMDadoda
2/24/2020 11:09:37 AM



#18
Methyl Acetate
Concen: 21.350 ug/l
RT: 4.52 min Scan# 456
Delta R.T. 0.01 min
Lab File: VY001734.D
Acq: 21 Feb 2020 12:08

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.8	19.1	28.7





#19

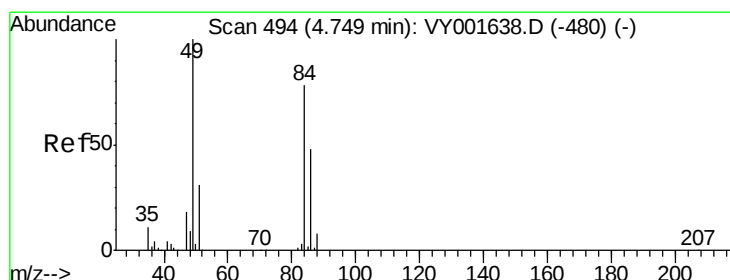
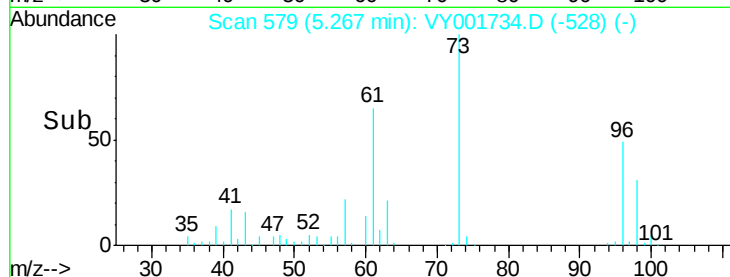
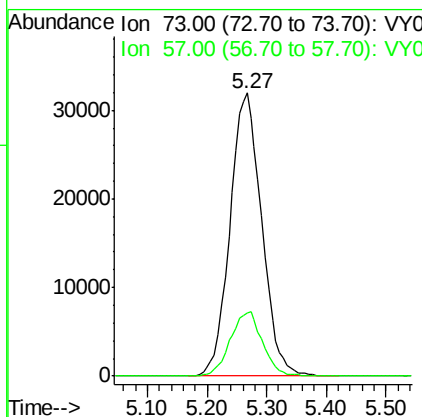
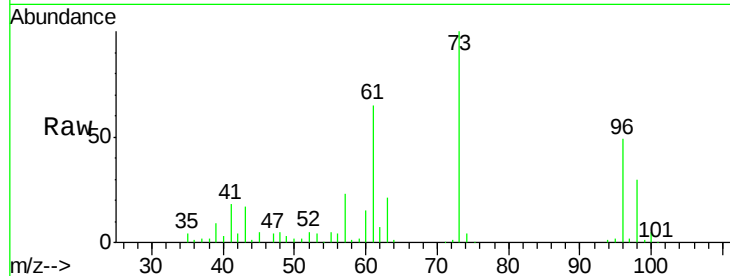
Methyl tert-butyl Ether
Concen: 19.633 ug/l
RT: 5.27 min Scan# 579
Delta R.T. 0.01 min
Lab File: VY001734.D
Acq: 21 Feb 2020 12:08

Instrument :
MSVOA_Y
ClientSampleId :
VY0221SBS01

Tot Ion	73	Resp	117786
Ion Ratio	100	Lower	Upper
57	22.5	19.0	28.6

Manual Integrations
APPROVED

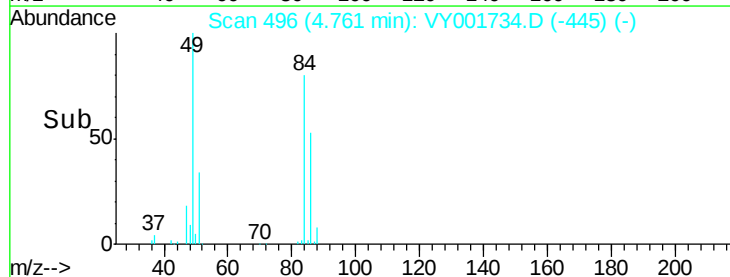
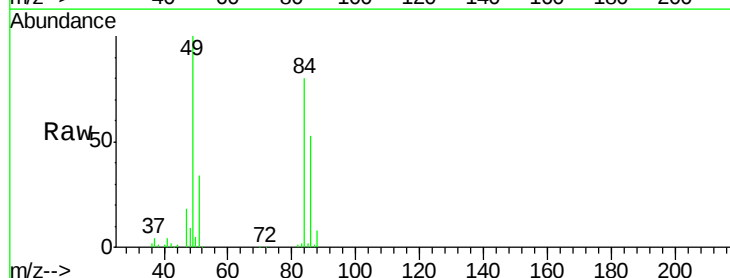
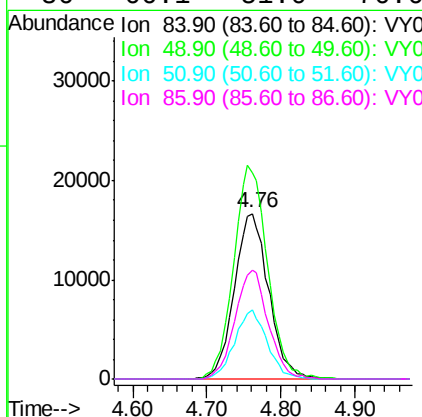
MMDadoda
2/24/2020 11:09:37 AM

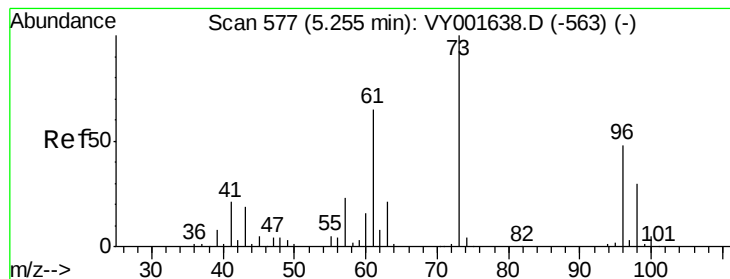


#20

Methylene Chloride
Concen: 20.491 ug/l
RT: 4.76 min Scan# 496
Delta R.T. 0.01 min
Lab File: VY001734.D
Acq: 21 Feb 2020 12:08

Tgt Ion	84	Resp	53797
Ion Ratio	100	Lower	Upper
49	124.6	99.2	148.8
51	41.8	31.5	47.3
86	66.1	51.0	76.6





#21

trans-1,2-Dichloroethene

Concen: 19.833 ug/l

RT: 5.27 min Scan# 579

Delta R.T. 0.01 min

Lab File: VY001734.D

Acq: 21 Feb 2020 12:08

Instrument :

MSVOA_Y

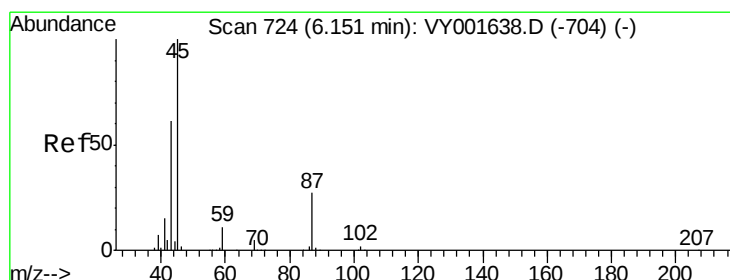
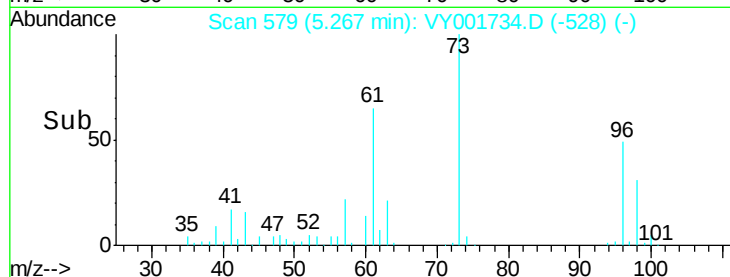
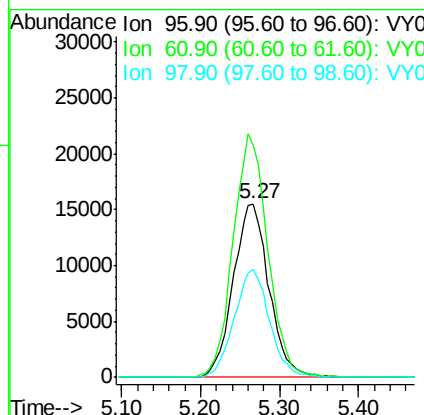
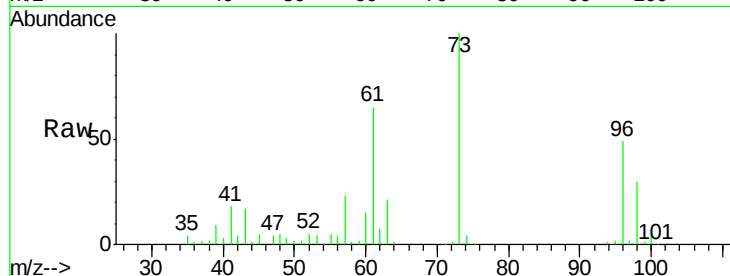
ClientSampleId :

VY0221SBS01

Tot Ion:	96	Resp:	48758
Ion	Ratio	Lower	Upper
96	100		
61	133.3	107.9	161.9
98	62.6	49.8	74.8

Manual Integrations
APPROVED

MMDadoda
2/24/2020 11:09:37 AM



#22

Diisopropyl ether

Concen: 20.248 ug/l

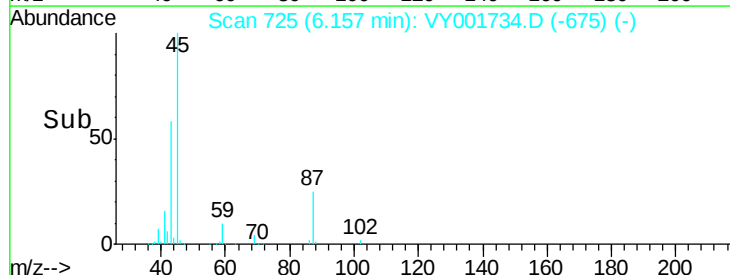
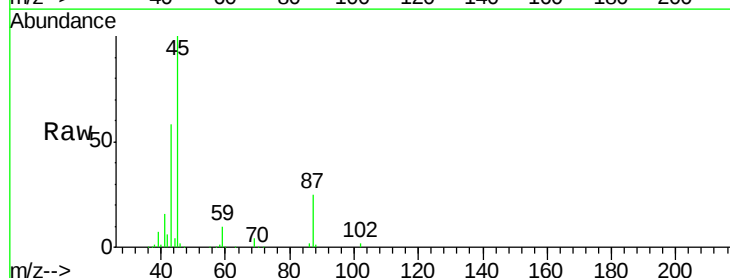
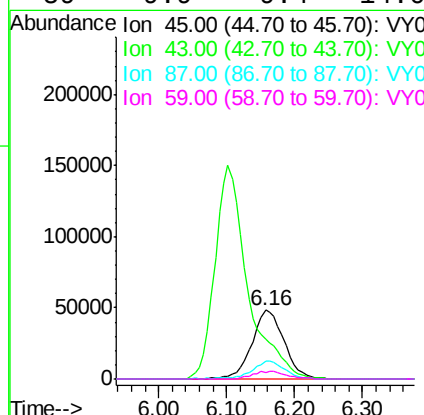
RT: 6.16 min Scan# 725

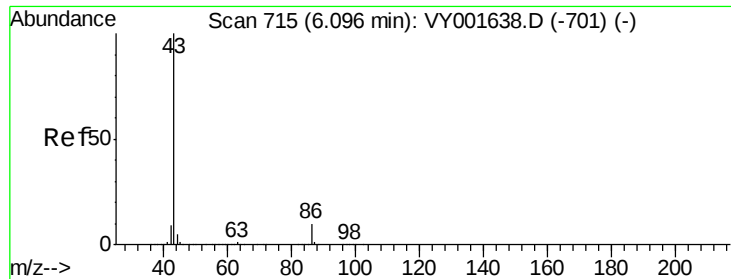
Delta R.T. 0.01 min

Lab File: VY001734.D

Acq: 21 Feb 2020 12:08

Tgt Ion:	45	Resp:	159460
Ion	Ratio	Lower	Upper
45	100		
43	57.7	46.4	69.6
87	25.2	22.1	33.1
59	9.9	9.4	14.0





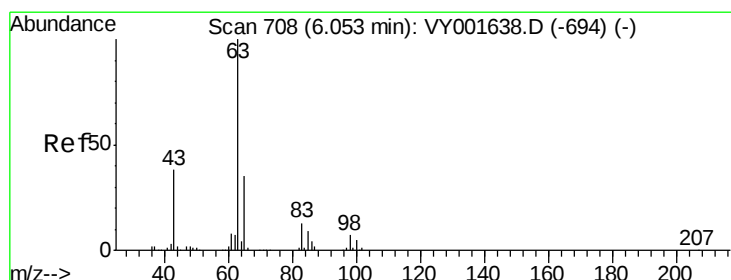
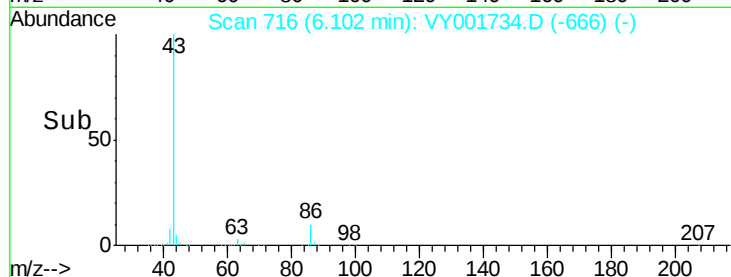
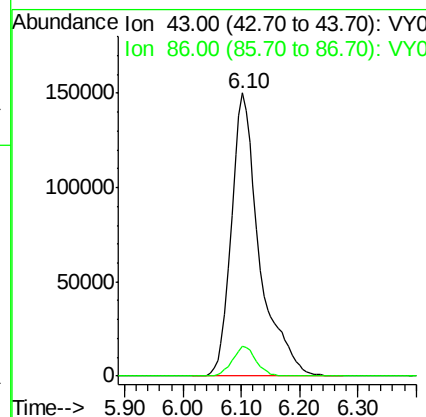
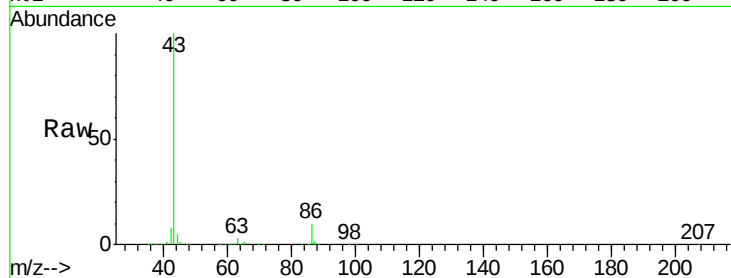
#23
 Vinyl Acetate
 Concen: 97.573 ug/l
 RT: 6.10 min Scan# 716
 Delta R.T. 0.01 min
 Lab File: VY001734.D
 Acq: 21 Feb 2020 12:08

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0221SBS01

Tot Ion	Ratio	Resp	Lower	Upper
43	100			
86	10.4		8.8	13.2

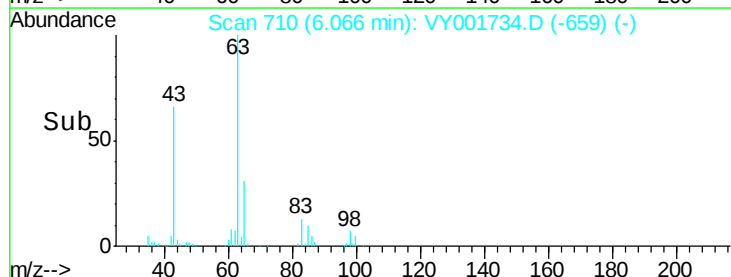
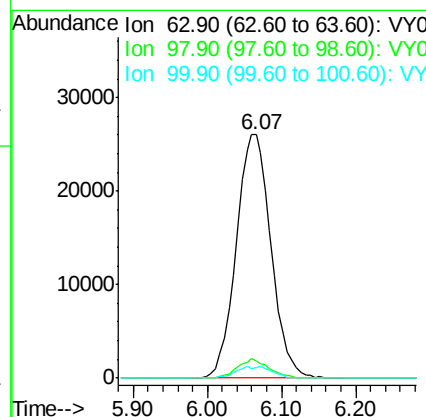
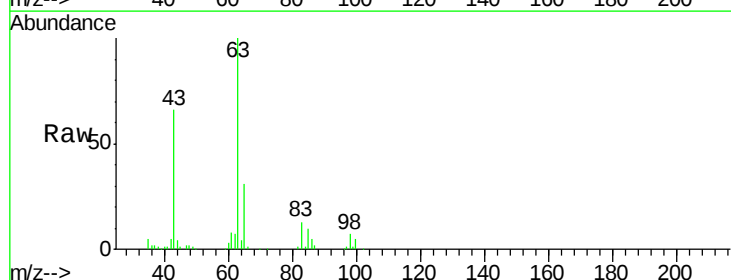
Manual Integrations
 APPROVED

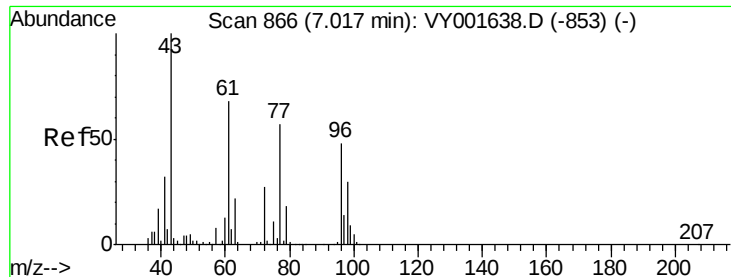
MMDadoda
 2/24/2020 11:09:37 AM



#24
 1,1-Dichloroethane
 Concen: 20.155 ug/l
 RT: 6.07 min Scan# 710
 Delta R.T. 0.01 min
 Lab File: VY001734.D
 Acq: 21 Feb 2020 12:08

Tgt Ion	Ratio	Resp	Lower	Upper
63	100			
98	7.2		3.4	10.2
100	4.6		2.3	6.9





#25

2-Butanone

Concen: 92.918 ug/l

RT: 7.03 min Scan# 868

Delta R.T. 0.01 min

Lab File: VY001734.D

Acq: 21 Feb 2020 12:08

Instrument :

MSVOA_Y

ClientSampleId :

VY0221SBS01

Tot Ion: 43 Resp: 93299

Ion Ratio Lower Upper

43 100

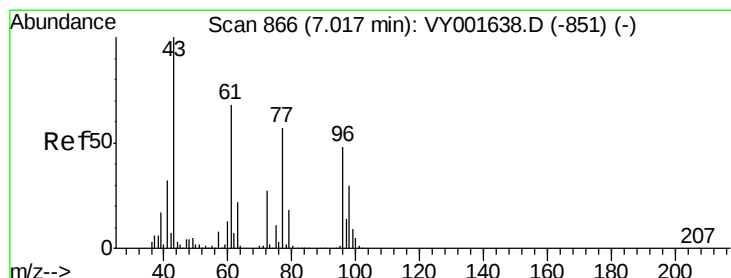
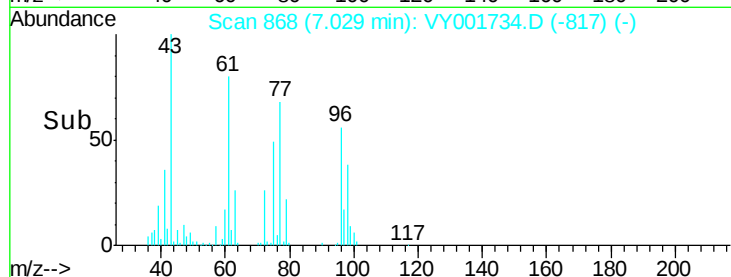
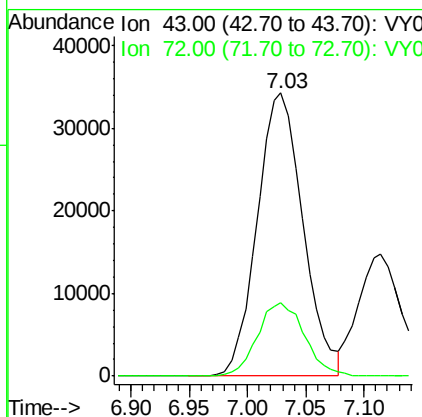
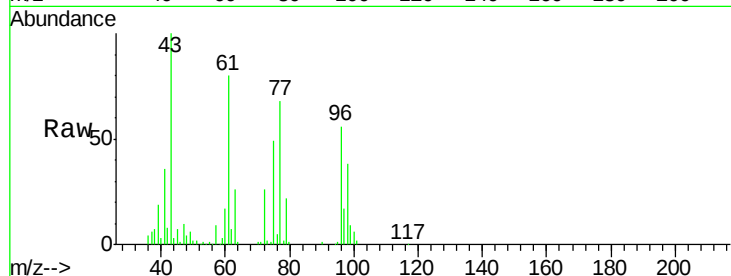
72 26.1 21.2 31.8

Manual Integrations

APPROVED

MMDadoda

2/24/2020 11:09:37 AM



#26

2,2-Dichloropropane

Concen: 20.310 ug/l

RT: 7.02 min Scan# 867

Delta R.T. 0.01 min

Lab File: VY001734.D

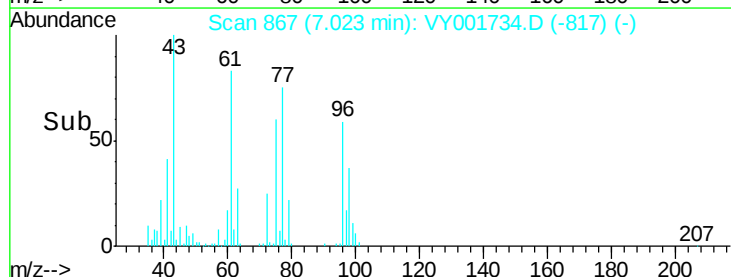
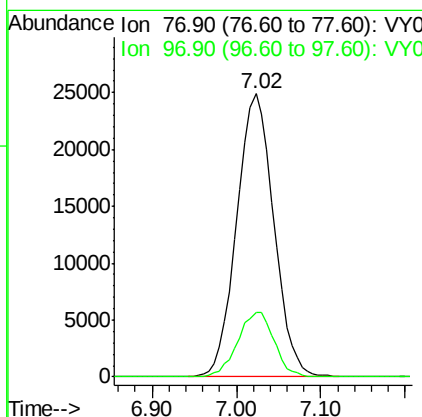
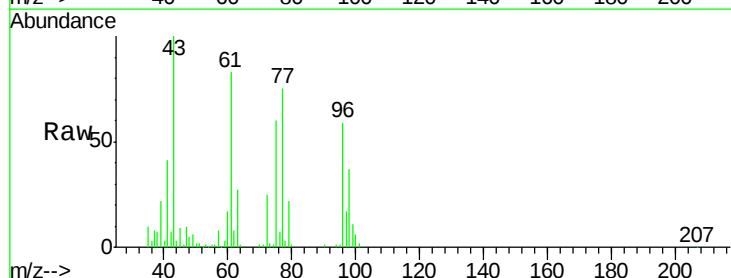
Acq: 21 Feb 2020 12:08

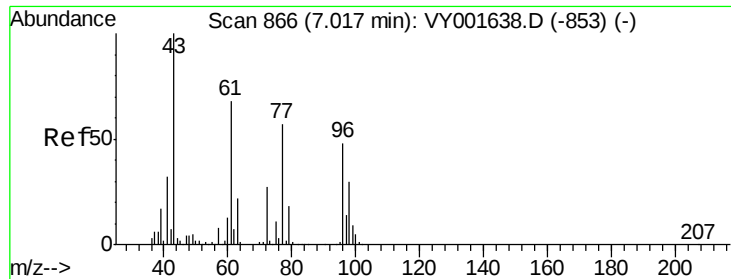
Tgt Ion: 77 Resp: 74379

Ion Ratio Lower Upper

77 100

97 22.3 11.8 35.4





#27

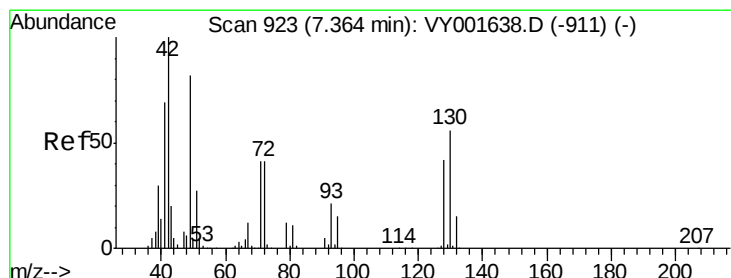
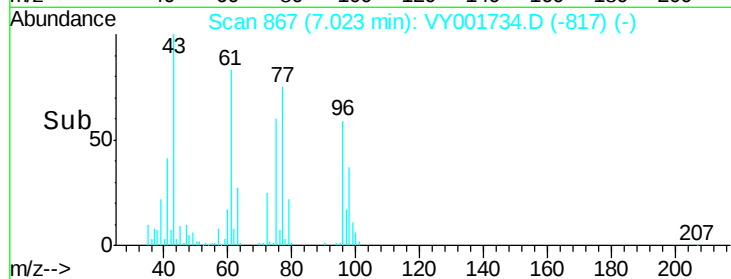
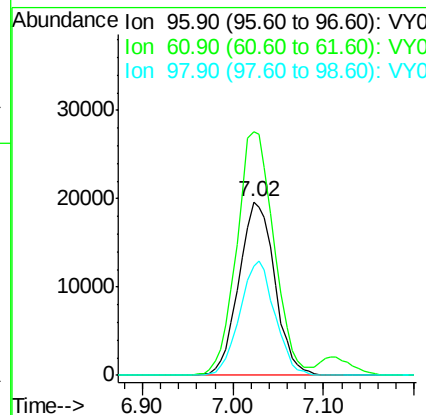
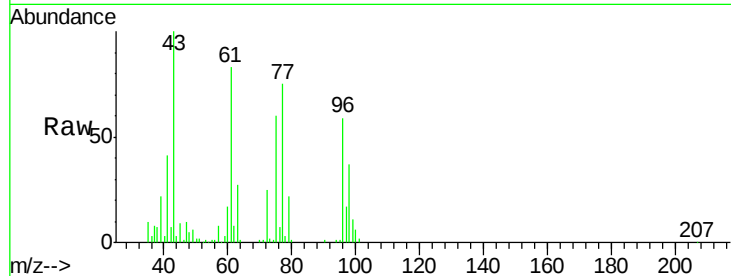
cis-1,2-Dichloroethene
Concen: 19.825 ug/l
RT: 7.02 min Scan# 867
Delta R.T. 0.01 min
Lab File: VY001734.D
Acq: 21 Feb 2020 12:08

Instrument :
MSVOA_Y
ClientSampleId :
VY0221SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	146.5	0.0	290.8	
98	64.4	0.0	128.6	

Manual Integrations
APPROVED

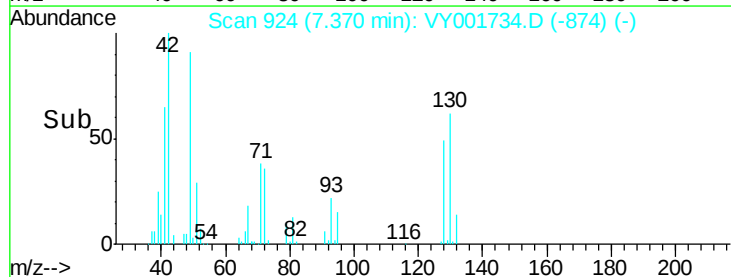
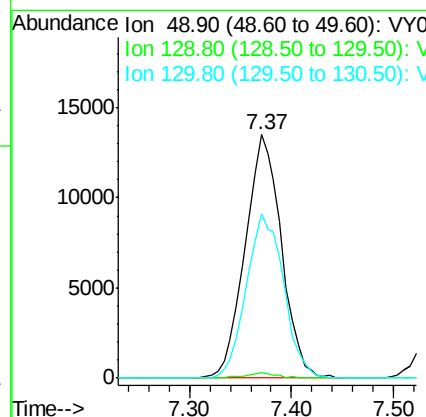
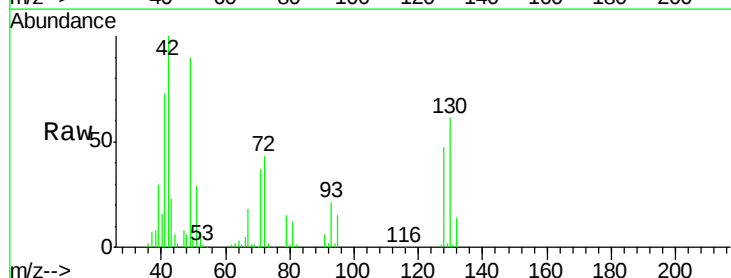
MMDadoda
2/24/2020 11:09:37 AM

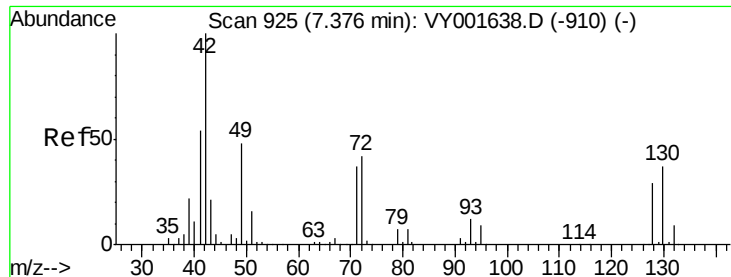


#28

Bromochloromethane
Concen: 19.018 ug/l
RT: 7.37 min Scan# 924
Delta R.T. 0.01 min
Lab File: VY001734.D
Acq: 21 Feb 2020 12:08

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.8	0.0	3.6	
130	69.5	56.2	84.4	





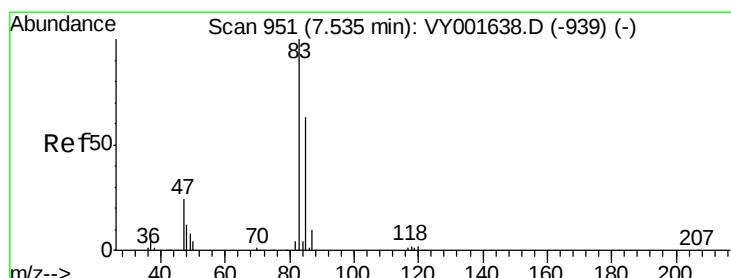
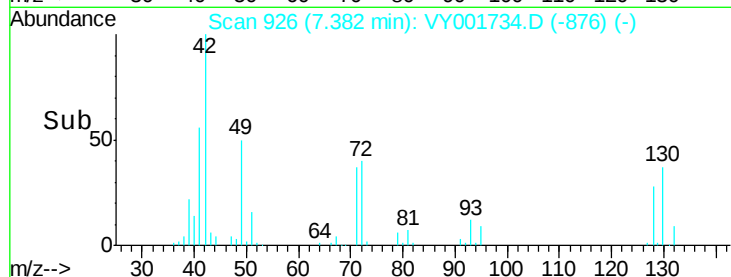
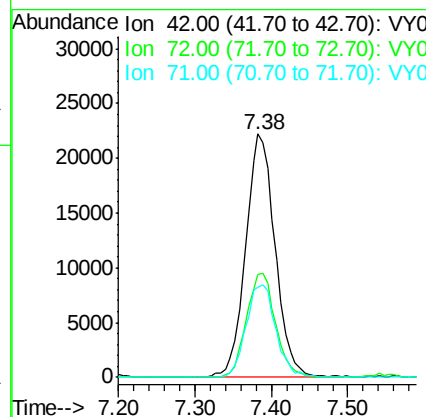
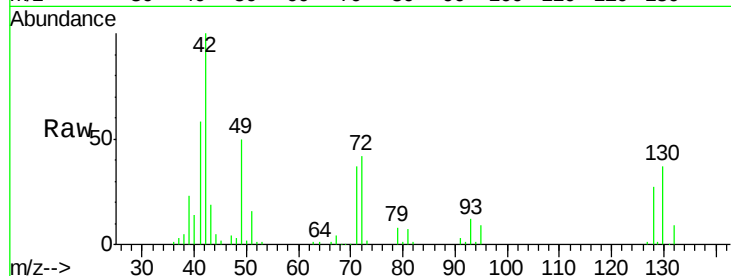
#29
Tetrahydrofuran
Concen: 97.970 ug/l
RT: 7.38 min Scan# 926
Delta R.T. 0.01 min
Lab File: VY001734.D
Acq: 21 Feb 2020 12:08

Instrument :
MSVOA_Y
ClientSampleId :
VY0221SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.1	34.4	51.6
71	38.5	31.8	47.8

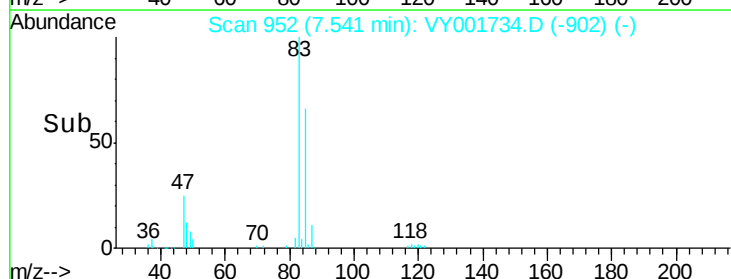
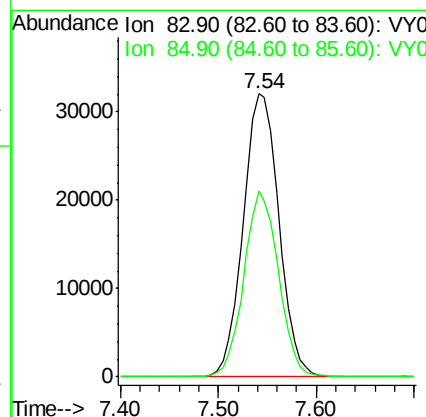
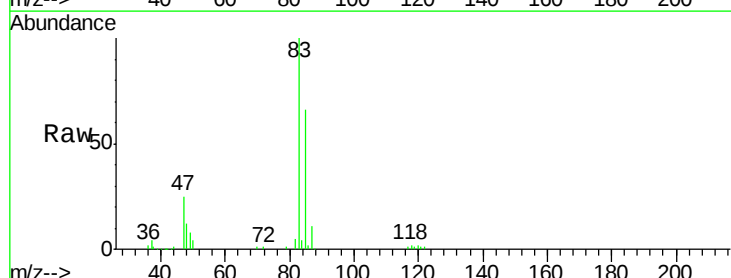
Manual Integrations
APPROVED

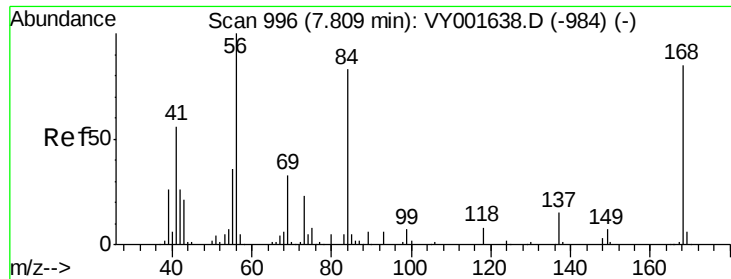
MMDadoda
2/24/2020 11:09:37 AM



#30
Chloroform
Concen: 19.703 ug/l
RT: 7.54 min Scan# 952
Delta R.T. 0.01 min
Lab File: VY001734.D
Acq: 21 Feb 2020 12:08

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	51.6	77.4





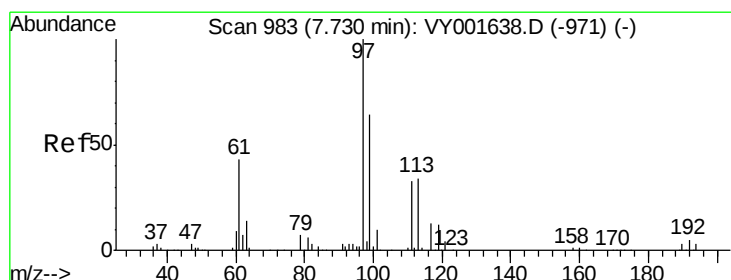
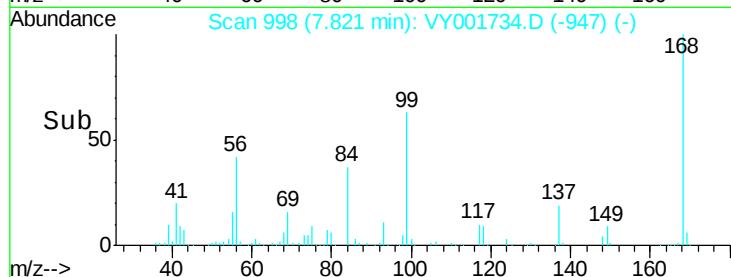
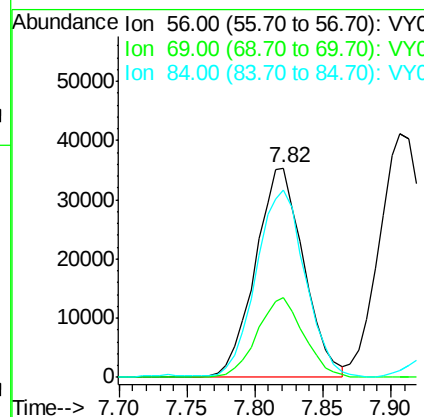
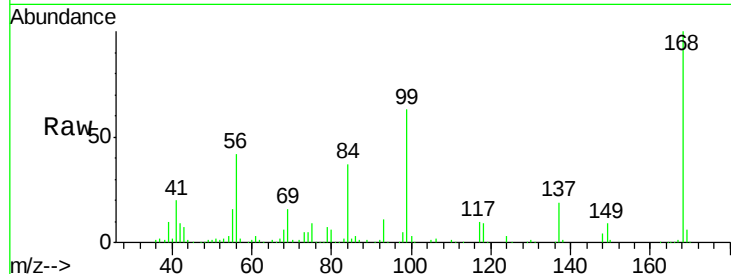
#31
Cyclohexane
Concen: 19.629 ug/l
RT: 7.82 min Scan# 998
Delta R.T. 0.01 min
Lab File: VY001734.D
Acq: 21 Feb 2020 12:08

Instrument :
MSVOA_Y
ClientSampleId :
VY0221SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.1	25.1	37.7#
84	88.5	66.9	100.3

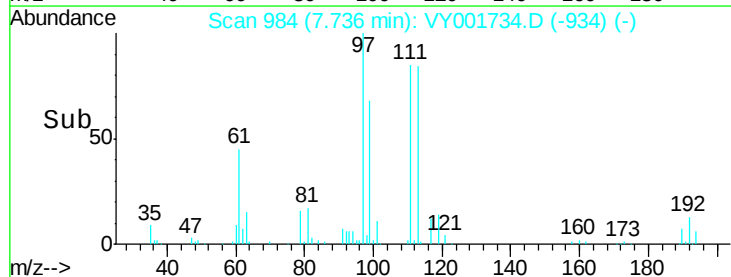
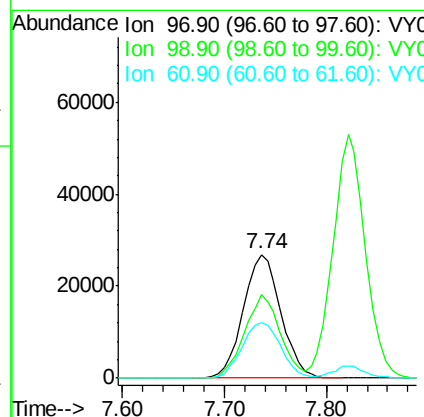
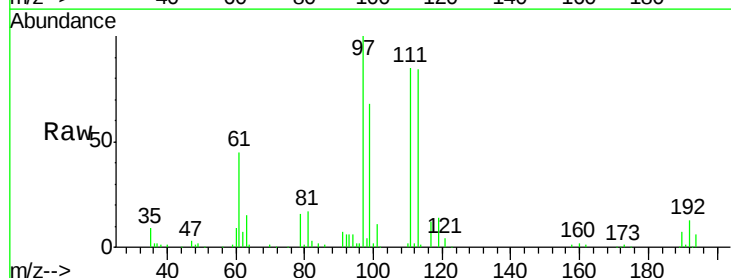
Manual Integrations
APPROVED

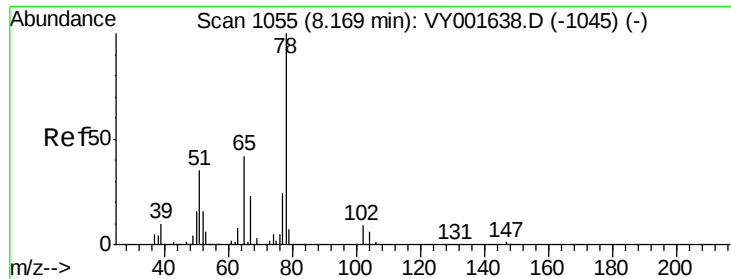
MMDadoda
2/24/2020 11:09:37 AM



#32
1,1,1-Trichloroethane
Concen: 19.793 ug/l
RT: 7.74 min Scan# 984
Delta R.T. 0.01 min
Lab File: VY001734.D
Acq: 21 Feb 2020 12:08

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.2	76.8
61	46.8	35.0	52.6





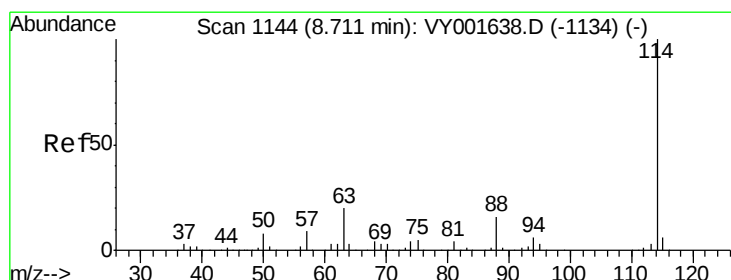
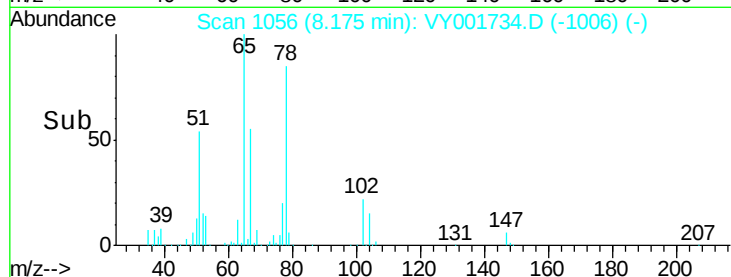
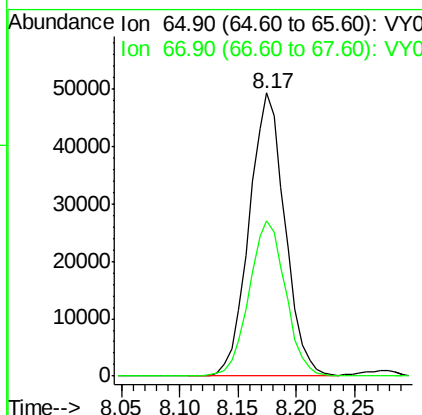
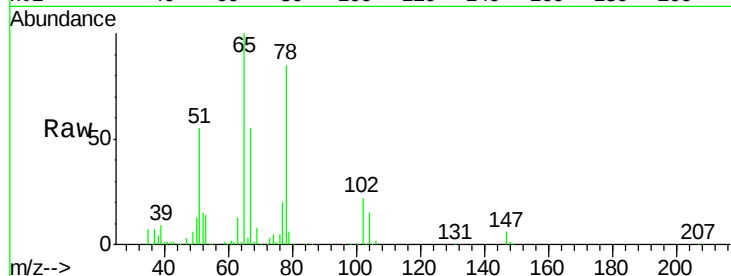
#33
 1,2-Dichloroethane-d4
 Concen: 49.518 ug/l
 RT: 8.17 min Scan# 1056
 Delta R.T. 0.01 min
 Lab File: VY001734.D
 Acq: 21 Feb 2020 12:08

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0221SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	55.7	0.0	111.0	

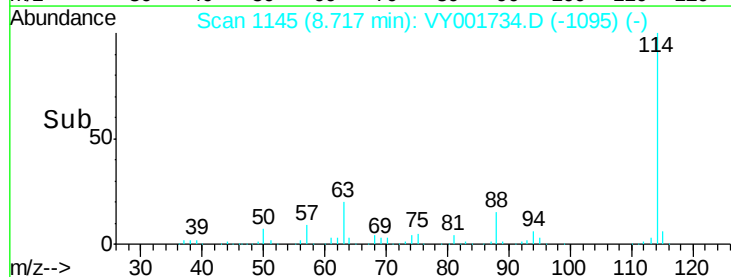
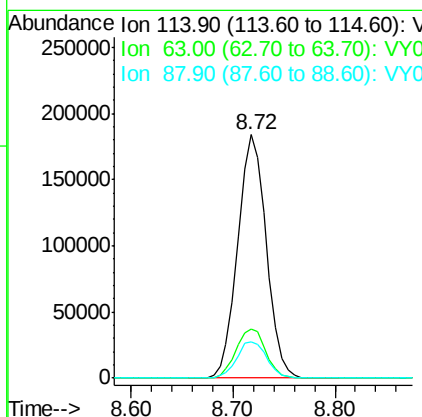
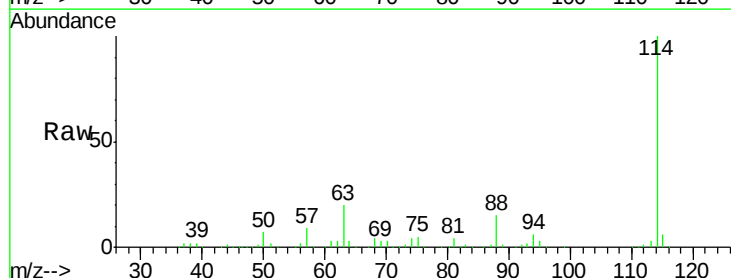
Manual Integrations
 APPROVED

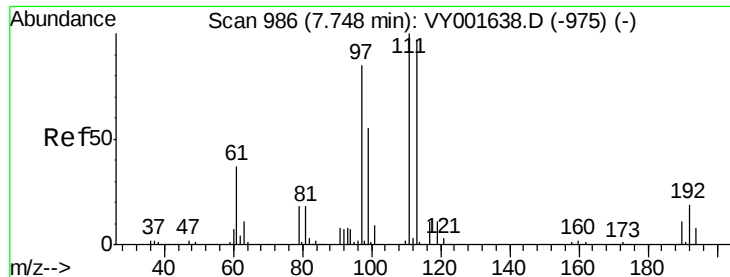
MMDadoda
 2/24/2020 11:09:37 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.72 min Scan# 1145
 Delta R.T. 0.01 min
 Lab File: VY001734.D
 Acq: 21 Feb 2020 12:08

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	20.3	0.0	41.4	
88	15.1	0.0	32.8	





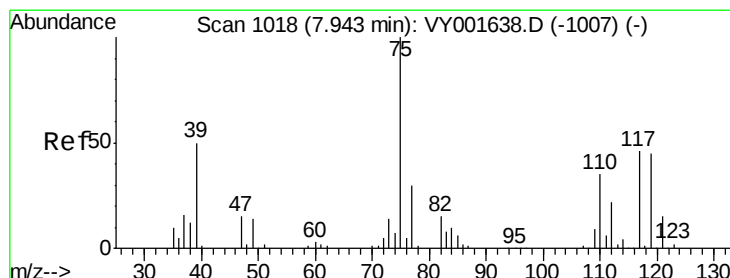
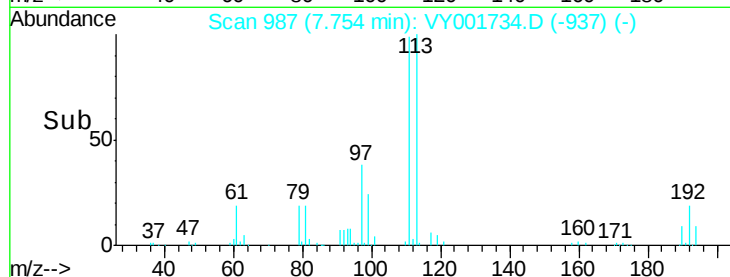
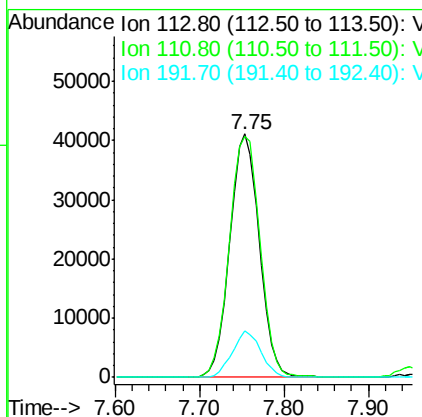
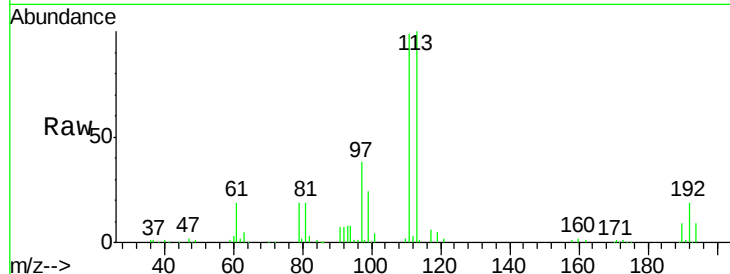
#35
 Dibromofluoromethane
 Concen: 47.675 ug/l
 RT: 7.75 min Scan# 987
 Delta R.T. 0.01 min
 Lab File: VY001734.D
 Acq: 21 Feb 2020 12:08

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0221SBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.3	81.9	122.9
192	18.4	14.3	21.5

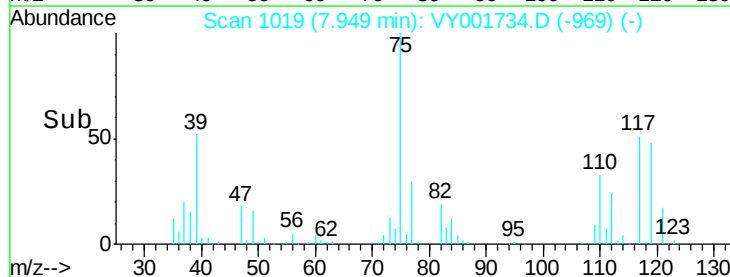
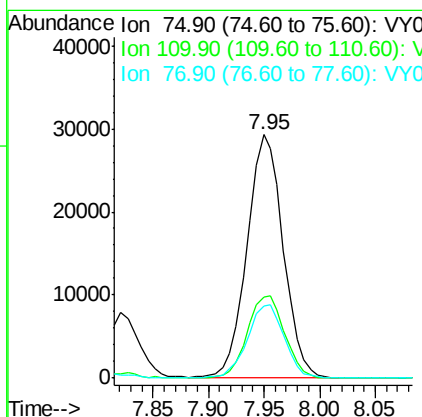
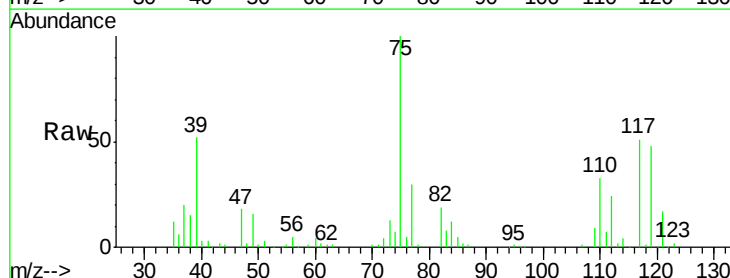
Manual Integrations
 APPROVED

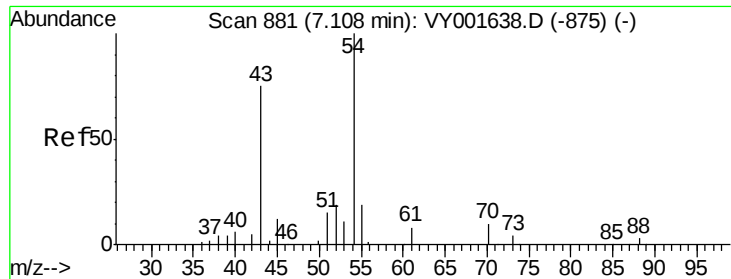
MMDadoda
 2/24/2020 11:09:37 AM



#36
 1,1-Dichloropropene
 Concen: 19.497 ug/l
 RT: 7.95 min Scan# 1019
 Delta R.T. 0.01 min
 Lab File: VY001734.D
 Acq: 21 Feb 2020 12:08

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.9	17.2	51.6
77	30.9	24.8	37.2





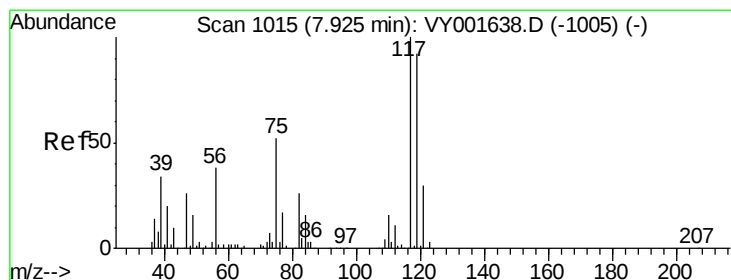
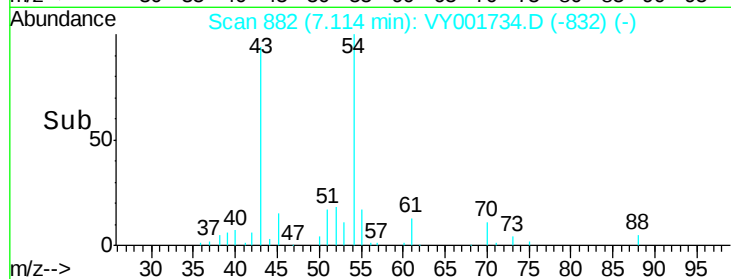
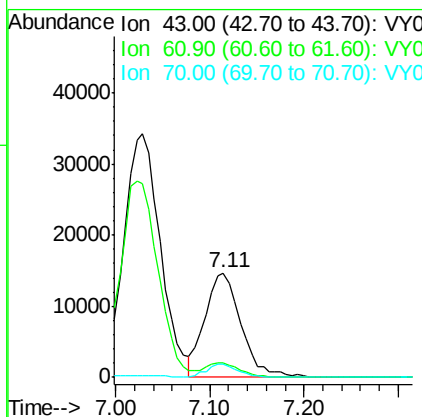
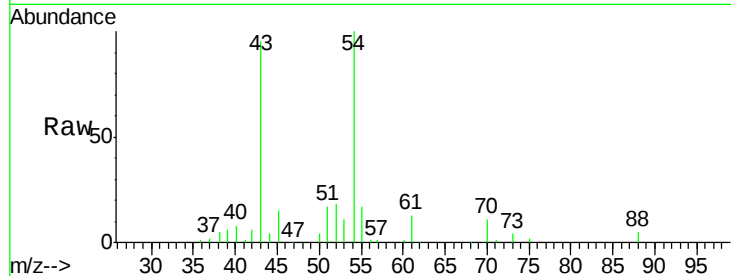
#37
Ethyl Acetate
Concen: 19.308 ug/l
RT: 7.11 min Scan# 882
Delta R.T. 0.01 min
Lab File: VY001734.D
Acq: 21 Feb 2020 12:08

Instrument :
MSVOA_Y
ClientSampleId :
VY0221SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.7	11.0	16.6
70	10.8	8.8	13.2

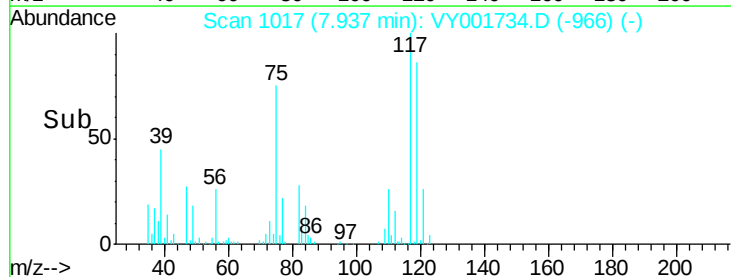
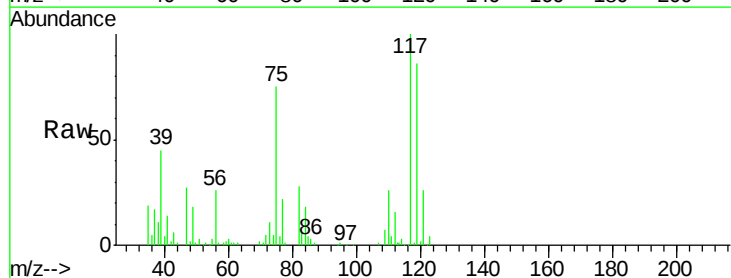
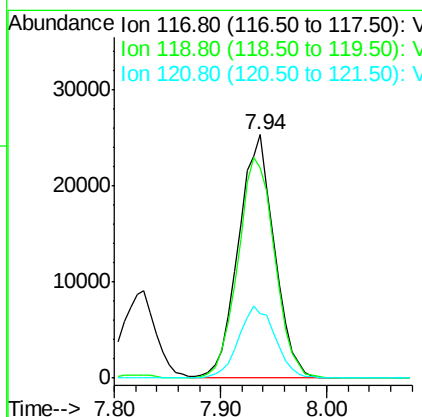
Manual Integrations
APPROVED

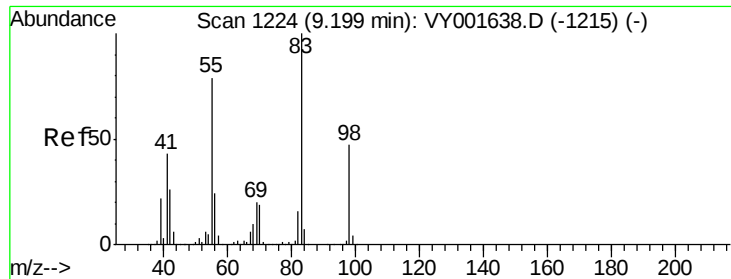
MMDadoda
2/24/2020 11:09:37 AM



#38
Carbon Tetrachloride
Concen: 20.093 ug/l
RT: 7.94 min Scan# 1017
Delta R.T. 0.01 min
Lab File: VY001734.D
Acq: 21 Feb 2020 12:08

Tgt Ion	Ratio	Lower	Upper
117	100		
119	86.2	74.8	112.2
121	26.4	23.8	35.6





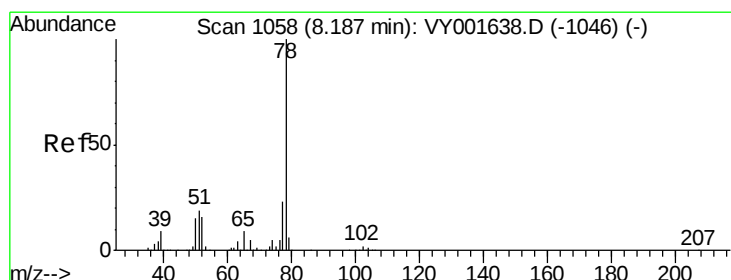
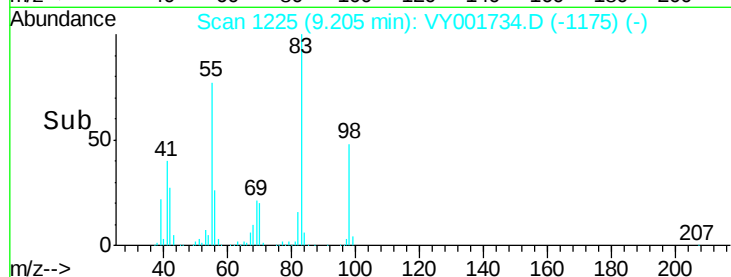
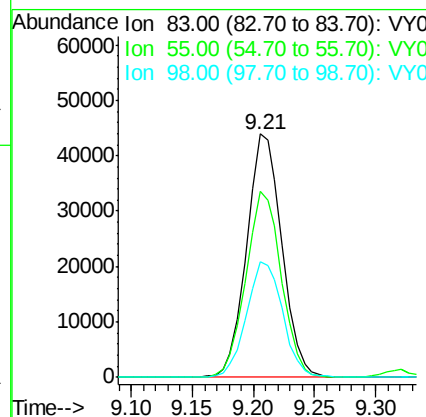
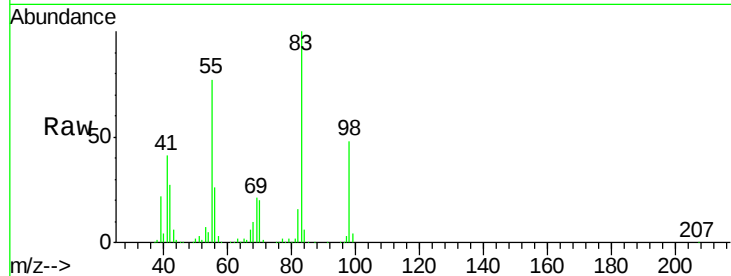
#39
Methvlcvclohexane
Concen: 19.451 ug/l
RT: 9.21 min Scan# 1225
Delta R.T. 0.01 min
Lab File: VY001734.D
Acq: 21 Feb 2020 12:08

Instrument :
MSVOA_Y
ClientSampleId :
VY0221SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.6	61.3	91.9
98	47.6	38.0	57.0

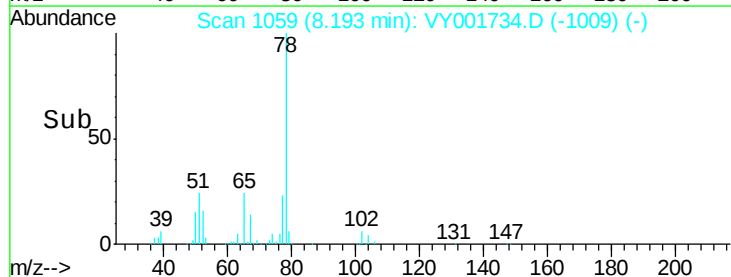
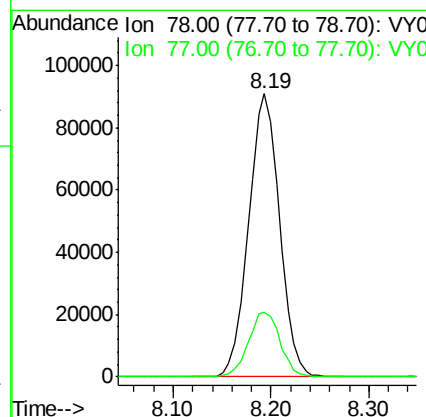
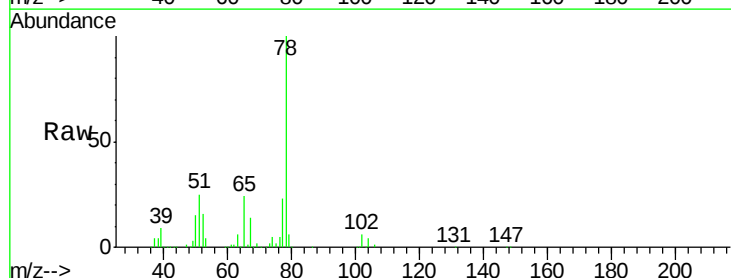
Manual Integrations
APPROVED

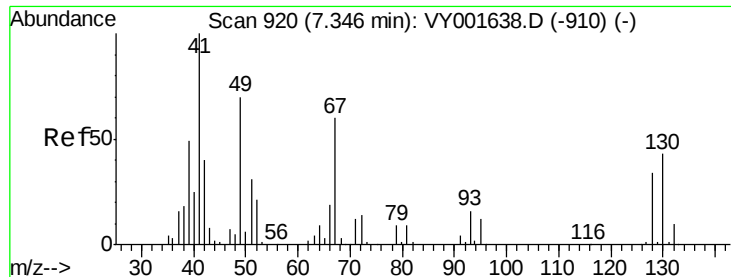
MMDadoda
2/24/2020 11:09:37 AM



#40
Benzene
Concen: 19.928 ug/l
RT: 8.19 min Scan# 1059
Delta R.T. 0.01 min
Lab File: VY001734.D
Acq: 21 Feb 2020 12:08

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.9	18.2	27.4





#41

Methacrylonitrile

Concen: 19.592 ug/l m

RT: 7.36 min Scan# 922

Delta R.T. 0.01 min

Lab File: VY001734.D

Acq: 21 Feb 2020 12:08

Instrument :

MSVOA_Y

ClientSampleId :

VY0221SBS01

Tot Ion: 41 Resp: 19990

Ion Ratio Lower Upper

41 100

39 0.0 36.0 54.0#

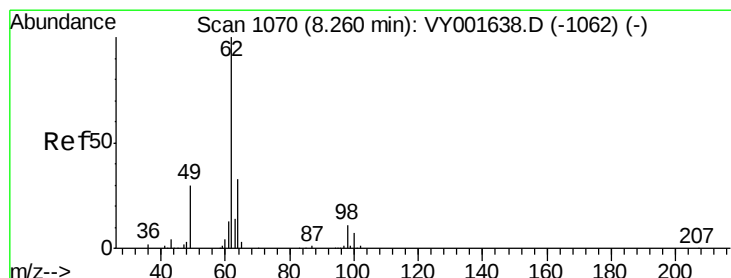
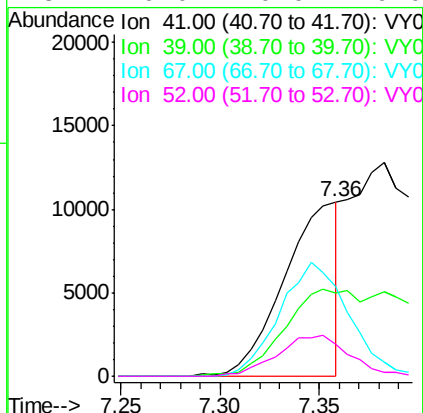
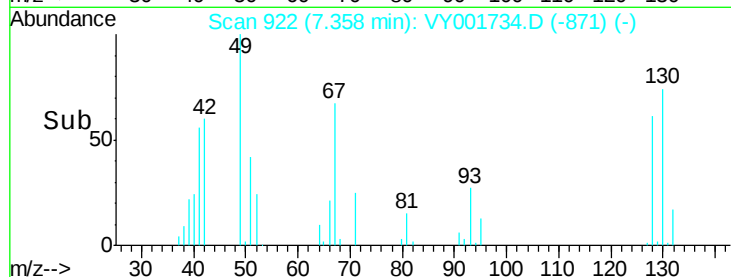
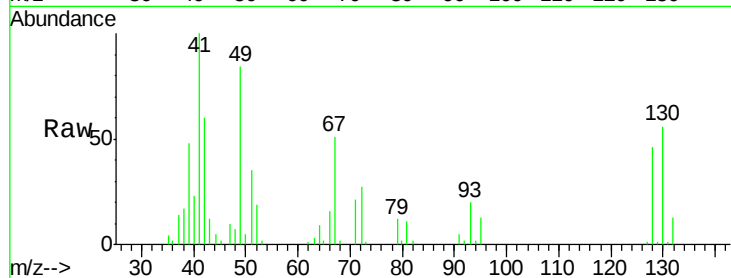
67 0.0 0.0 0.0

52 0.0 0.0 0.0

Manual Integrations
APPROVED

MMDadoda

2/24/2020 11:09:37 AM



#42

1,2-Dichloroethane

Concen: 20.035 ug/l

RT: 8.27 min Scan# 1071

Delta R.T. 0.01 min

Lab File: VY001734.D

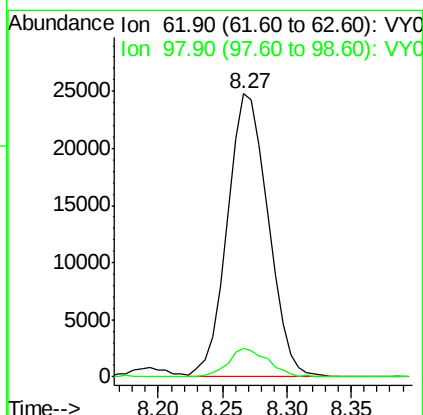
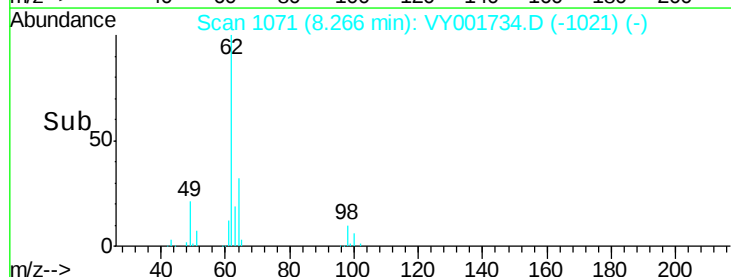
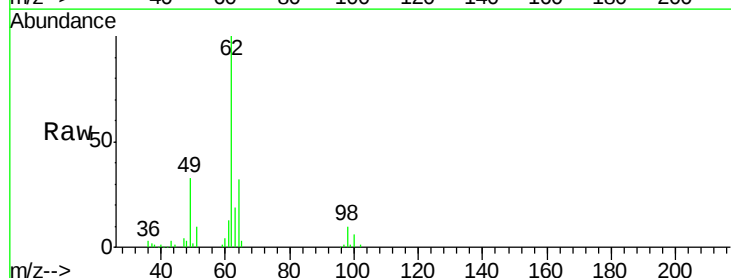
Acq: 21 Feb 2020 12:08

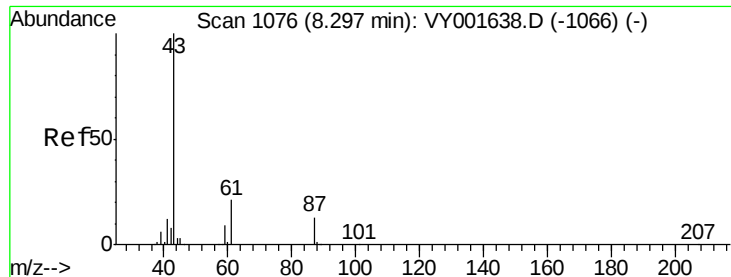
Tgt Ion: 62 Resp: 54653

Ion Ratio Lower Upper

62 100

98 10.0 0.0 20.8





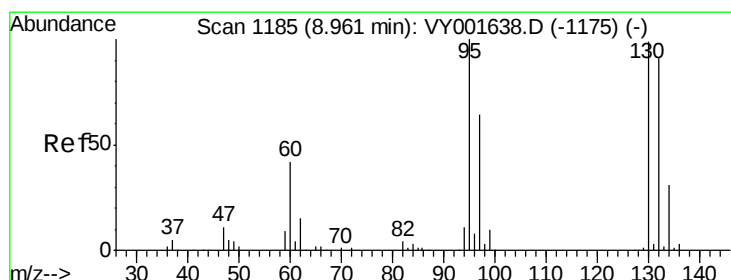
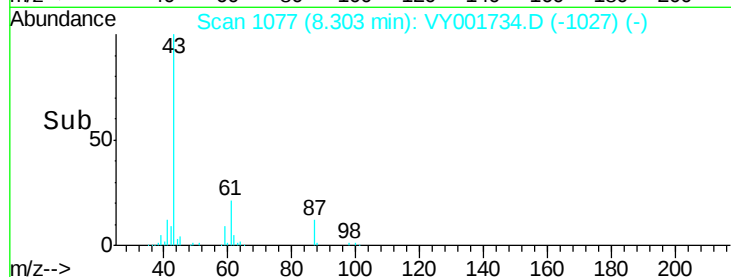
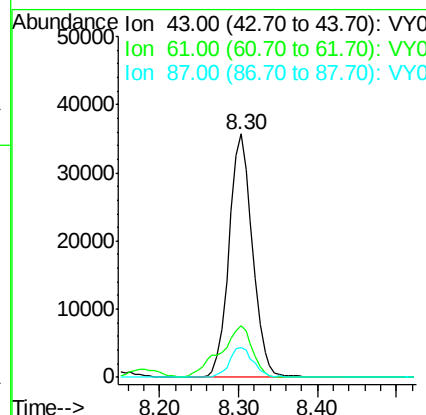
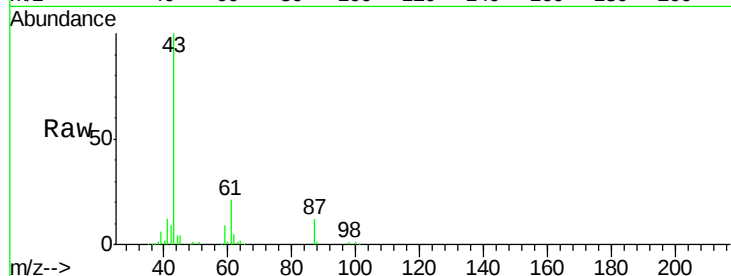
#43
Isopropyl Acetate
Concen: 19.145 ug/l
RT: 8.30 min Scan# 1077
Delta R.T. 0.01 min
Lab File: VY001734.D
Acq: 21 Feb 2020 12:08

Instrument :
MSVOA_Y
ClientSampleId :
VY0221SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.0	23.0	34.4
87	12.5	10.7	16.1

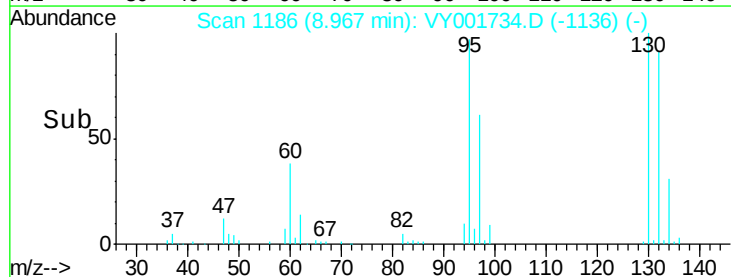
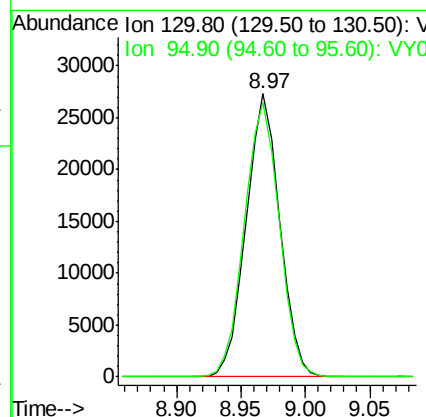
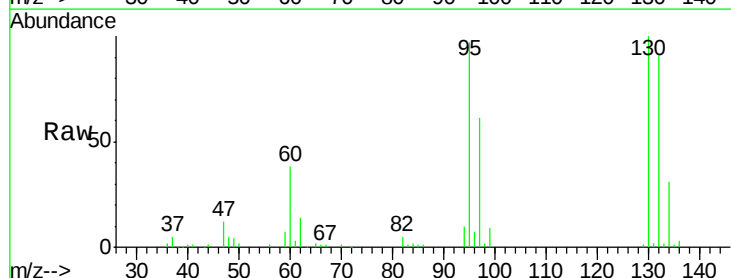
Manual Integrations
APPROVED

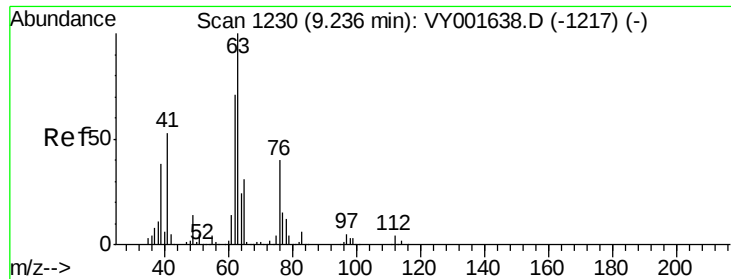
MMDadoda
2/24/2020 11:09:37 AM



#44
Trichloroethene
Concen: 19.726 ug/l
RT: 8.97 min Scan# 1186
Delta R.T. 0.01 min
Lab File: VY001734.D
Acq: 21 Feb 2020 12:08

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.8	0.0	200.6





#45

1,2-Dichloropropane

Concen: 19.786 ug/l

RT: 9.24 min Scan# 1231

Delta R.T. 0.01 min

Lab File: VY001734.D

Acq: 21 Feb 2020 12:08

Instrument :

MSVOA_Y

ClientSampleId :

VY0221SBS01

Tot Ion: 63 Resp: 49618

Ion Ratio Lower Upper

63 100

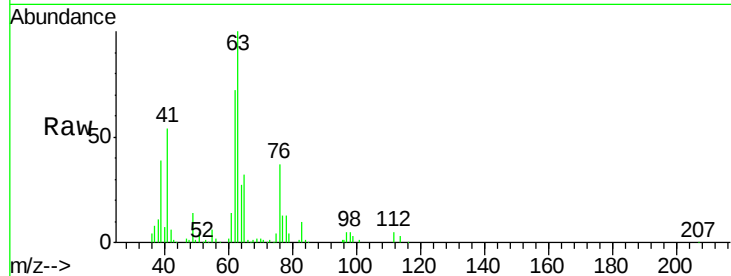
65 32.3 24.6 37.0

Manual Integrations

APPROVED

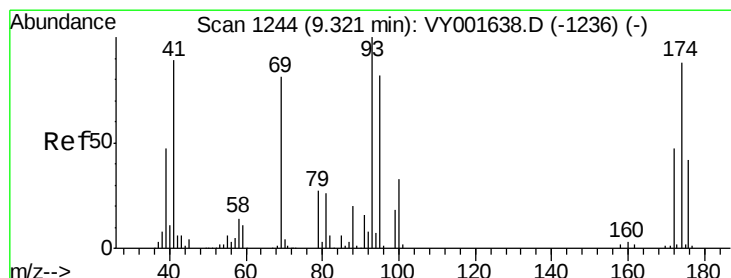
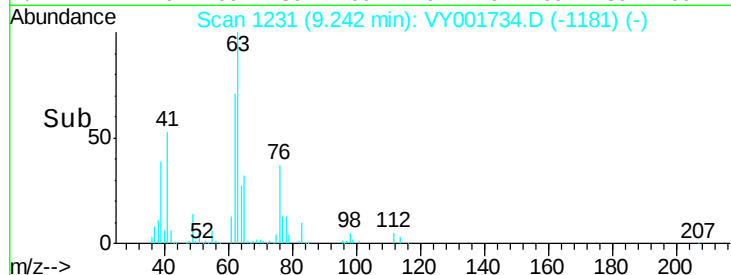
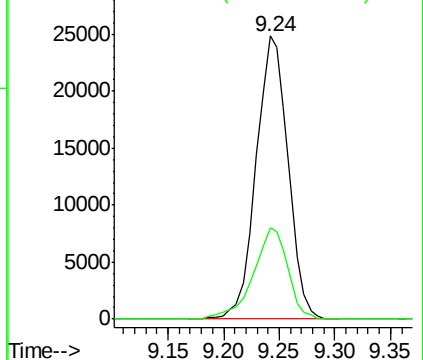
MMDadoda

2/24/2020 11:09:37 AM



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 64.90 (64.60 to 65.60): VY0



#46

Dibromomethane

Concen: 19.382 ug/l

RT: 9.33 min Scan# 1246

Delta R.T. 0.01 min

Lab File: VY001734.D

Acq: 21 Feb 2020 12:08

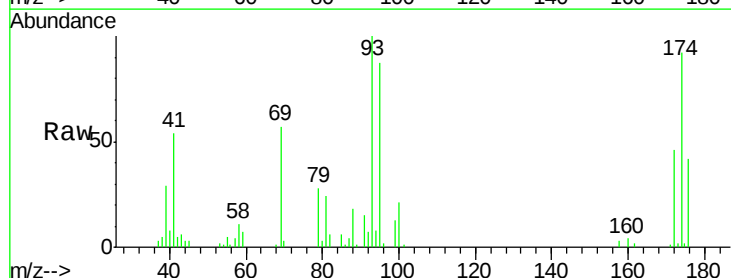
Tgt Ion: 93 Resp: 25422

Ion Ratio Lower Upper

93 100

95 84.5 66.1 99.1

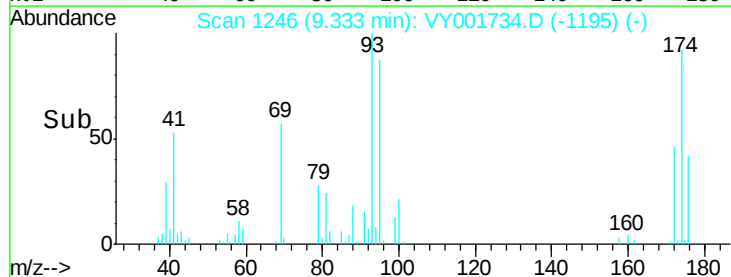
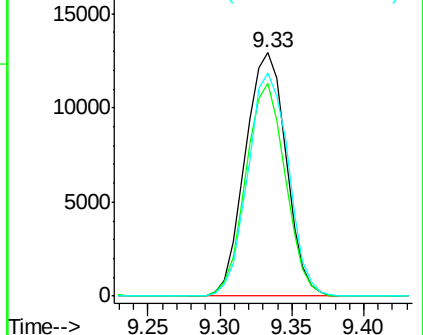
174 90.7 72.5 108.7

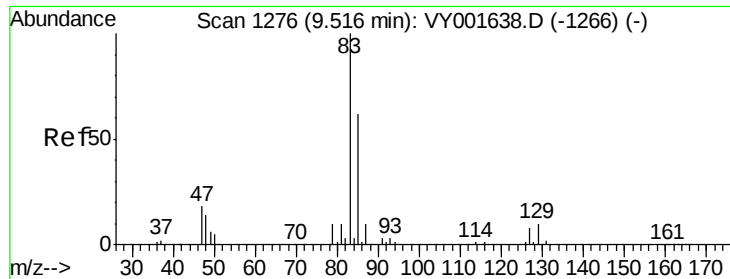


Abundance Ion 92.80 (92.50 to 93.50): VY0

Ion 94.80 (94.50 to 95.50): VY0

Ion 173.70 (173.40 to 174.40): VY0





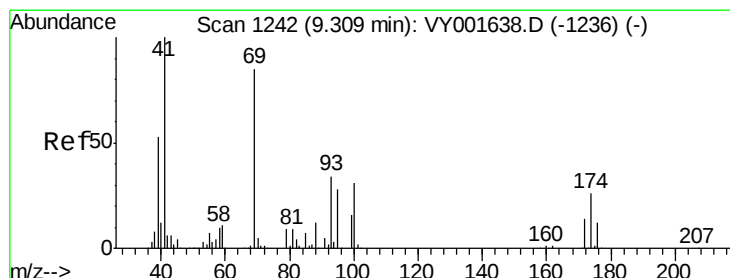
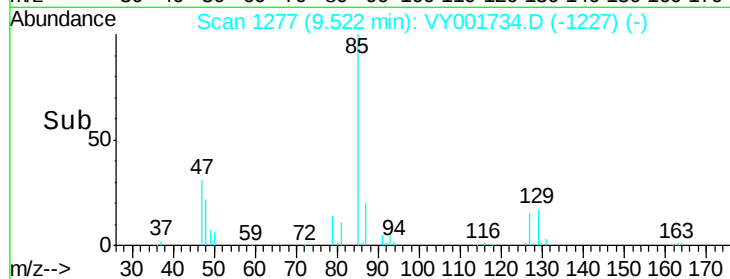
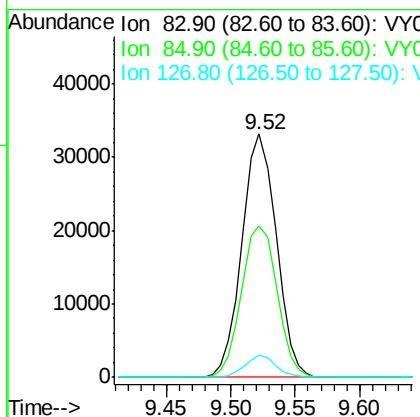
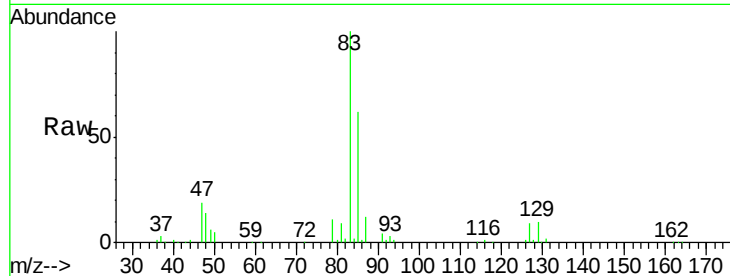
#47
Bromodichloromethane
Concen: 19.368 ug/l
RT: 9.52 min Scan# 1277
Delta R.T. 0.01 min
Lab File: VY001734.D
Acq: 21 Feb 2020 12:08

Instrument :
MSVOA_Y
ClientSampleId :
VY0221SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	61311		
85	62.3	51.4	77.0	
127	9.0	6.4	9.6	

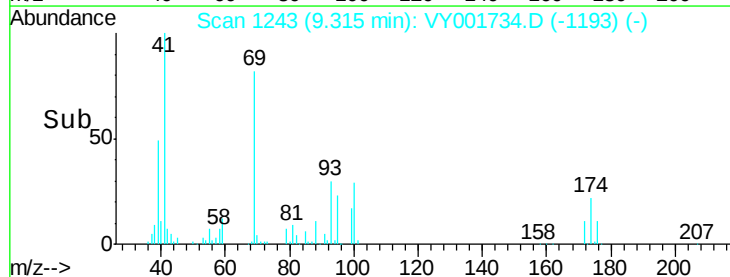
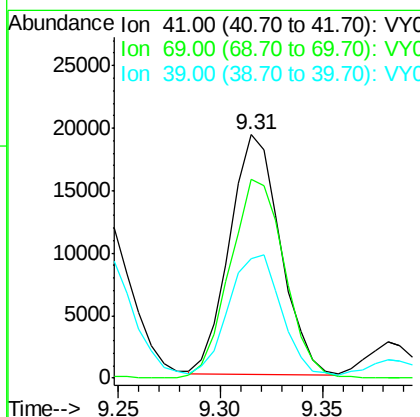
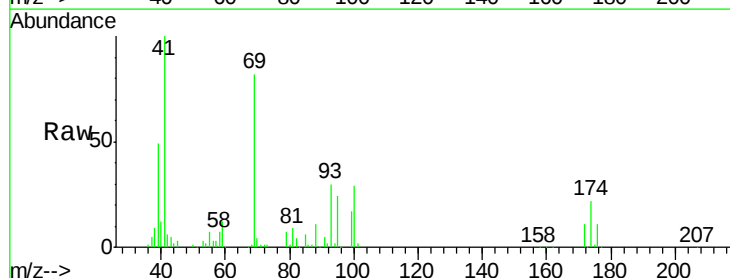
Manual Integrations
APPROVED

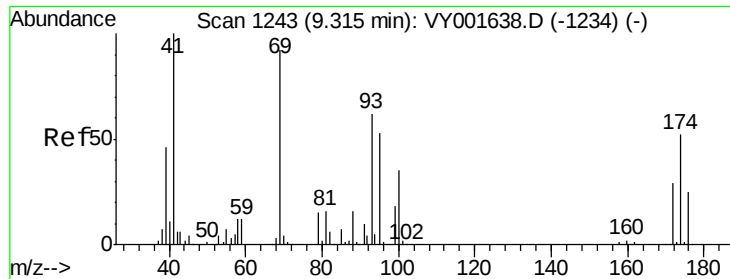
MMDadoda
2/24/2020 11:09:37 AM



#48
Methyl methacrylate
Concen: 18.983 ug/l
RT: 9.31 min Scan# 1243
Delta R.T. 0.01 min
Lab File: VY001734.D
Acq: 21 Feb 2020 12:08

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	33100		
69	89.5	70.7	106.1	
39	54.8	42.2	63.2	





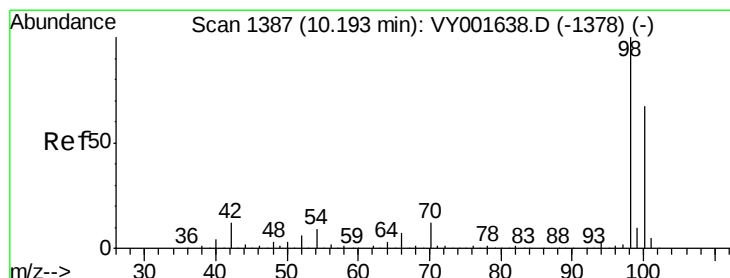
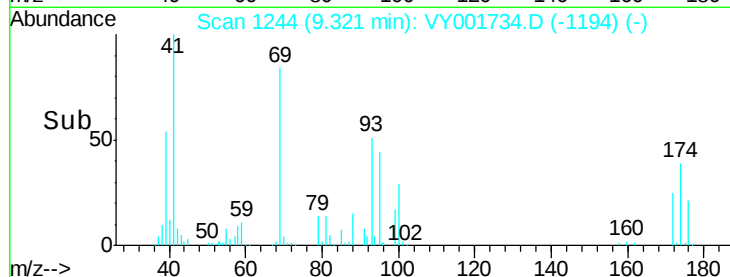
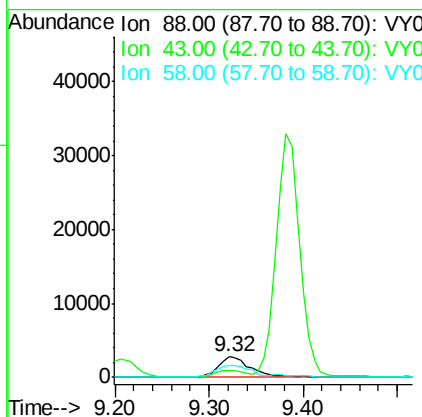
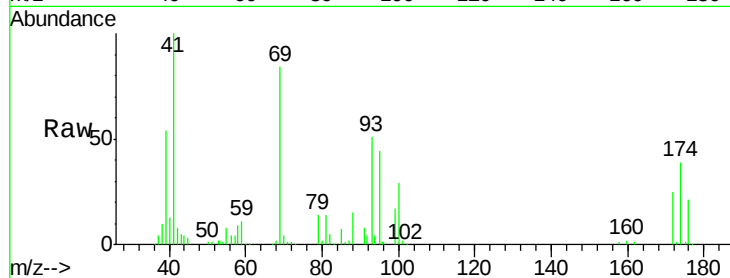
#49
1,4-Dioxane
Concen: 364.693 ug/l
RT: 9.32 min Scan# 1244
Delta R.T. 0.01 min
Lab File: VY001734.D
Acq: 21 Feb 2020 12:08

Instrument :
MSVOA_Y
ClientSampleId :
VY0221SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.7	23.1	34.7
58	63.6	58.1	87.1

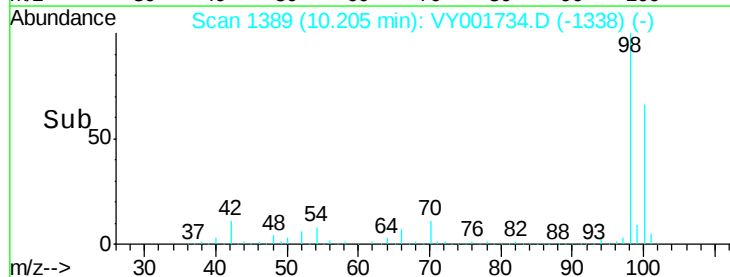
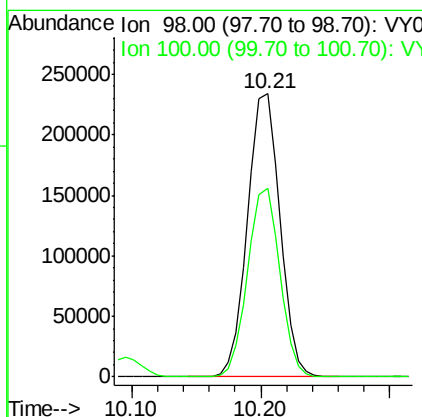
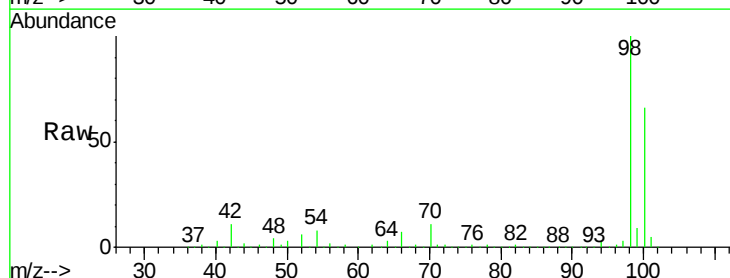
Manual Integrations
APPROVED

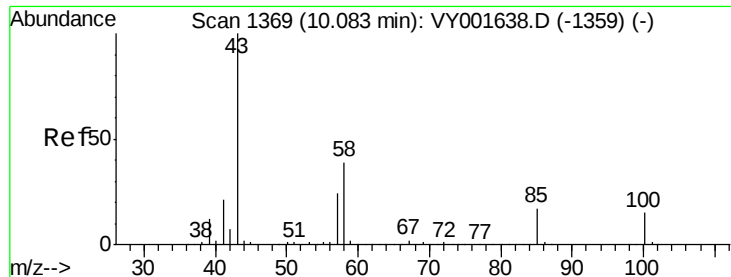
MMDadoda
2/24/2020 11:09:37 AM



#50
Toluene-d8
Concen: 50.850 ug/l
RT: 10.21 min Scan# 1389
Delta R.T. 0.01 min
Lab File: VY001734.D
Acq: 21 Feb 2020 12:08

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.0	53.0	79.4





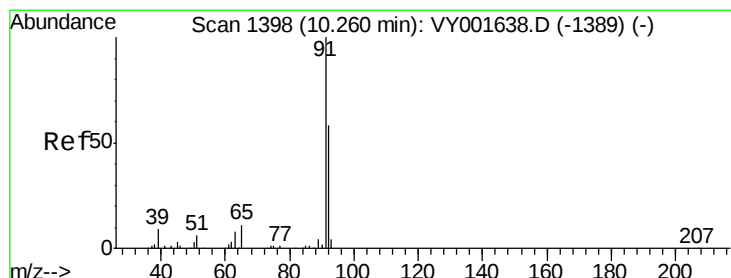
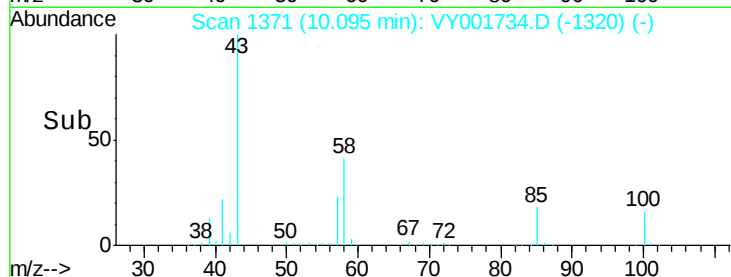
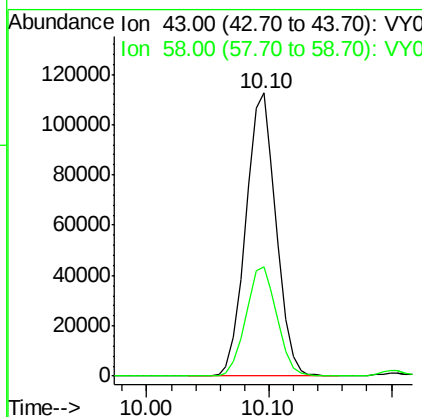
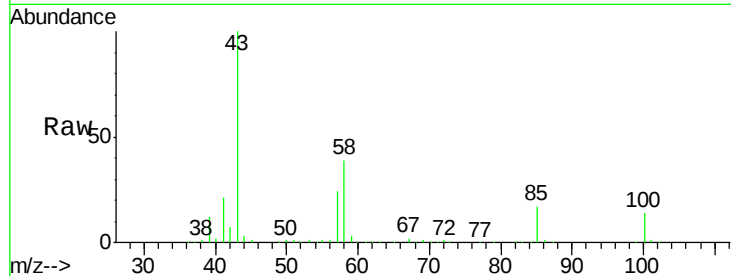
#51
4-Methyl-2-Pentanone
Concen: 97.544 ug/l
RT: 10.10 min Scan# 1371
Delta R.T. 0.01 min
Lab File: VY001734.D
Acq: 21 Feb 2020 12:08

Instrument :
MSVOA_Y
ClientSampleId :
VY0221SBS01

Tot Ion	43	58	Ratio	Lower	Upper
193227	100	39.5		32.2	48.4

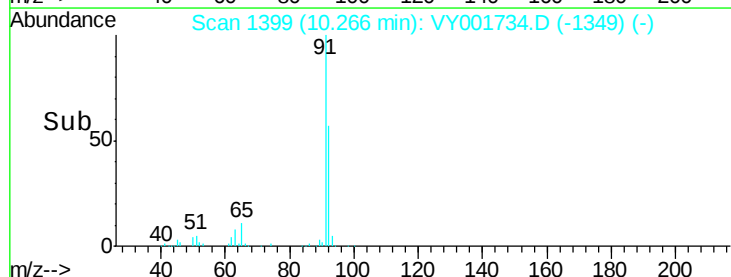
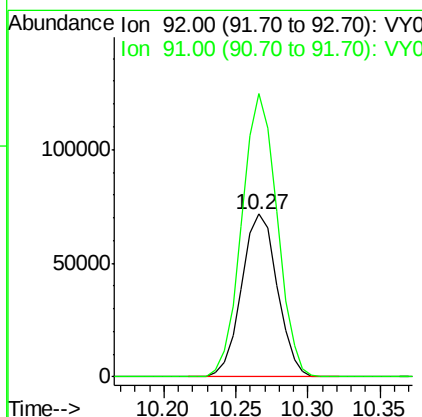
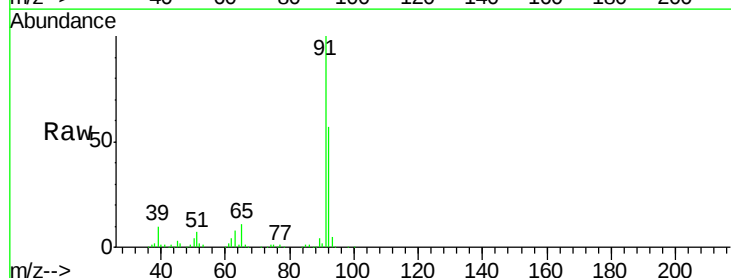
Manual Integrations
APPROVED

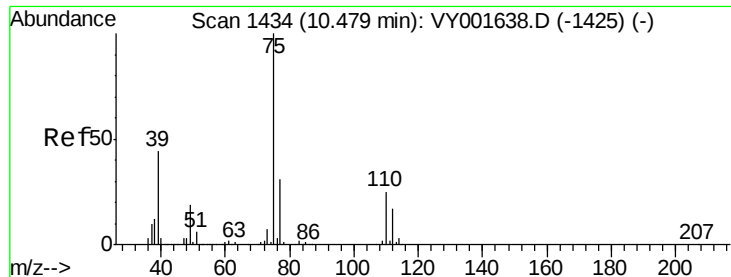
MMDadoda
2/24/2020 11:09:37 AM



#52
Toluene
Concen: 19.721 ug/l
RT: 10.27 min Scan# 1399
Delta R.T. 0.01 min
Lab File: VY001734.D
Acq: 21 Feb 2020 12:08

Tgt Ion	92	91	Ratio	Lower	Upper
123174	100	171.3		137.0	205.6





#53

t-1,3-Dichloropropene

Concen: 19.442 ug/l

RT: 10.49 min Scan# 1435

Delta R.T. 0.01 min

Lab File: VY001734.D

Acq: 21 Feb 2020 12:08

Instrument :

MSVOA_Y

ClientSampleId :

VY0221SBS01

Tot Ion: 75 Resp: 68038

Ion Ratio Lower Upper

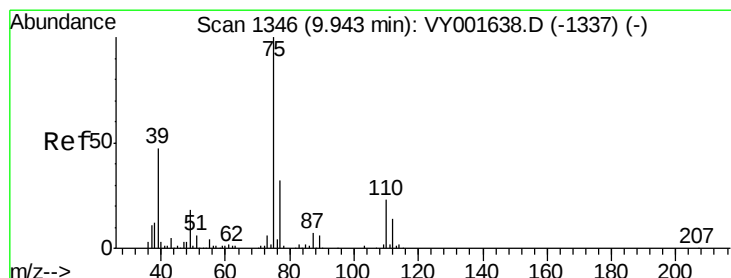
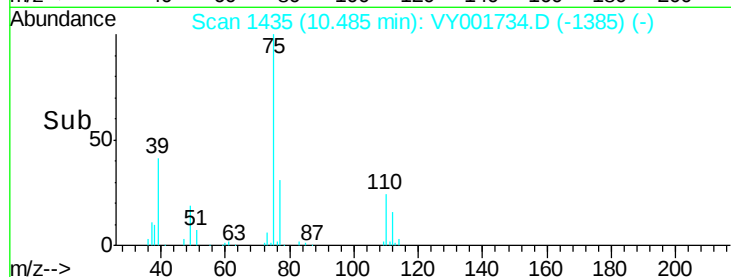
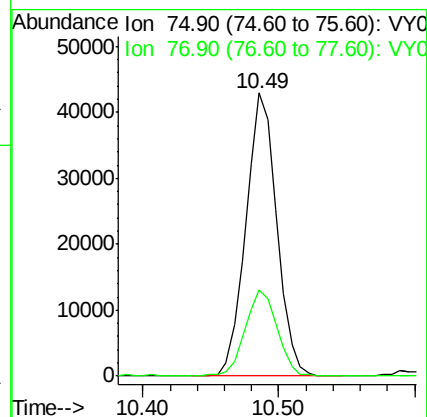
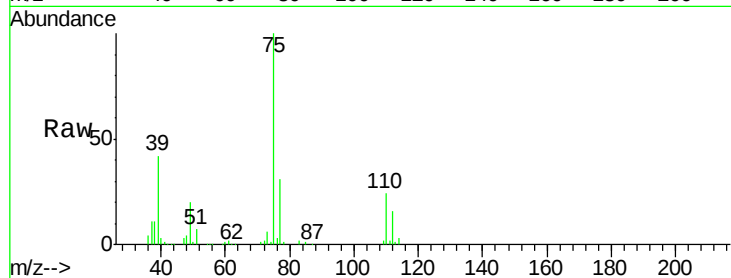
75 100

77 30.7 25.2 37.8

Manual Integrations
APPROVED

MMDadoda

2/24/2020 11:09:37 AM



#54

cis-1,3-Dichloropropene

Concen: 19.499 ug/l

RT: 9.95 min Scan# 1347

Delta R.T. 0.01 min

Lab File: VY001734.D

Acq: 21 Feb 2020 12:08

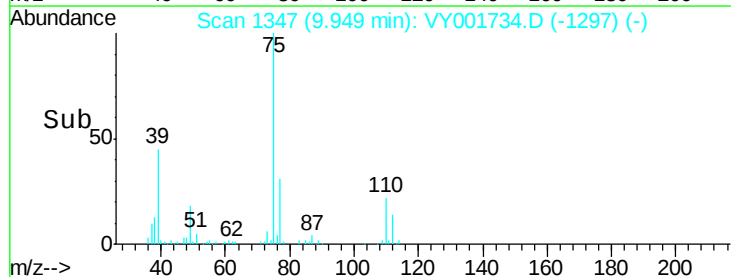
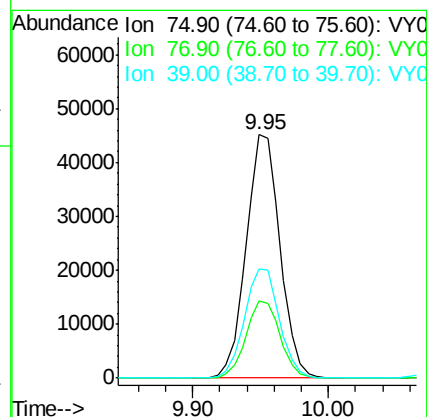
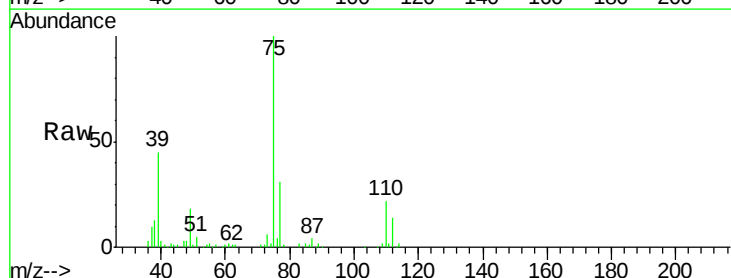
Tgt Ion: 75 Resp: 78538

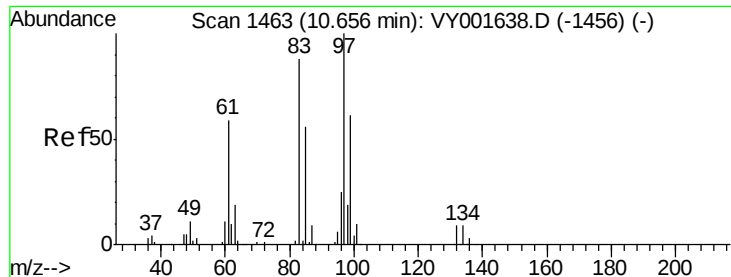
Ion Ratio Lower Upper

75 100

77 31.5 25.7 38.5

39 45.0 35.7 53.5





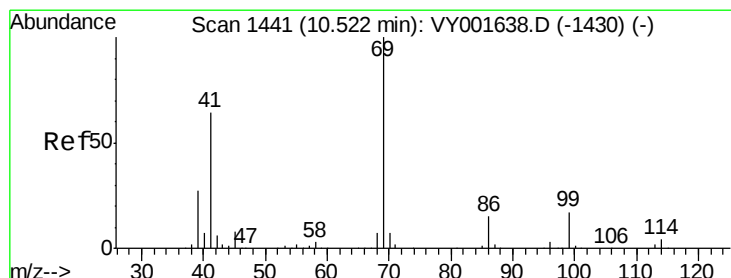
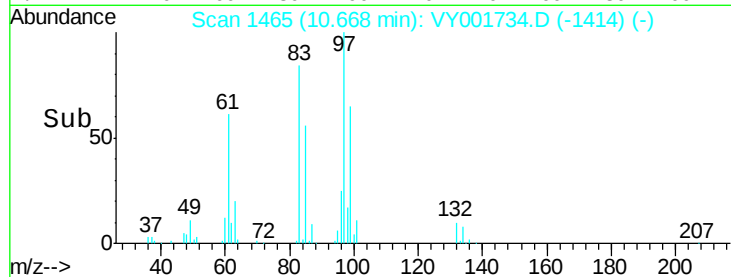
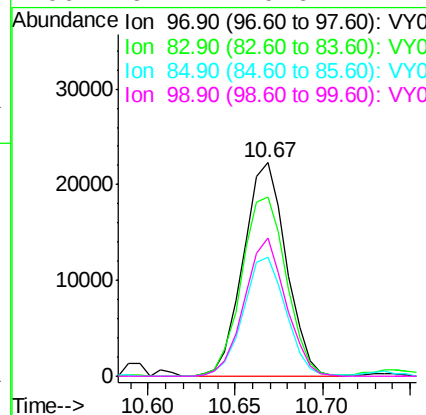
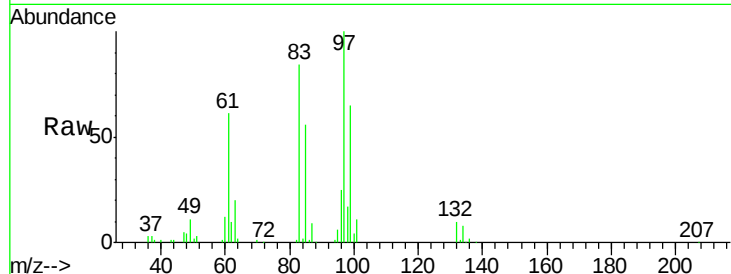
#55
 1,1,2-Trichloroethane
 Concen: 19.640 ug/l
 RT: 10.67 min Scan# 1465
 Delta R.T. 0.01 min
 Lab File: VY001734.D
 Acq: 21 Feb 2020 12:08

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0221SBS01

Tot Ion:	97	Resp:	37984
Ion	Ratio	Lower	Upper
97	100		
83	83.5	69.7	104.5
85	55.7	44.5	66.7
99	64.7	49.6	74.4

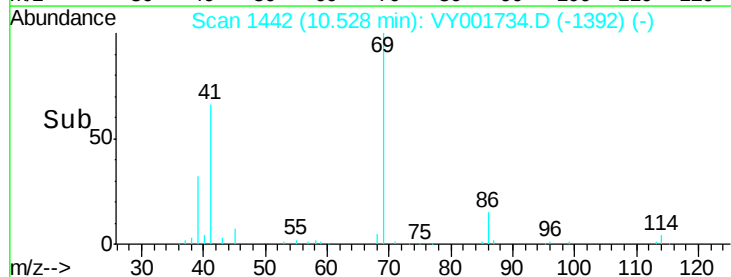
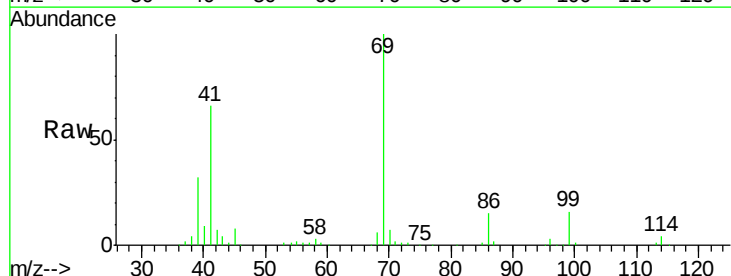
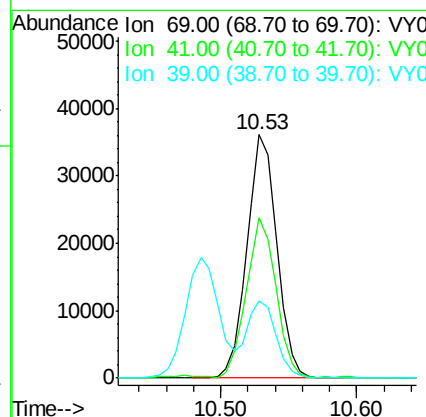
Manual Integrations
 APPROVED

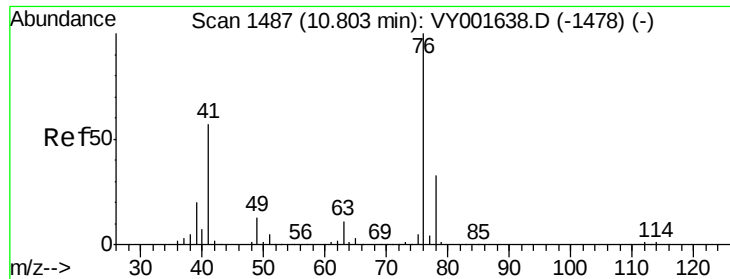
MMDadoda
 2/24/2020 11:09:37 AM



#56
 Ethyl methacrylate
 Concen: 19.115 ug/l
 RT: 10.53 min Scan# 1442
 Delta R.T. 0.01 min
 Lab File: VY001734.D
 Acq: 21 Feb 2020 12:08

Tgt Ion:	69	Resp:	55460
Ion	Ratio	Lower	Upper
69	100		
41	64.9	51.0	76.4
39	31.0	24.7	37.1





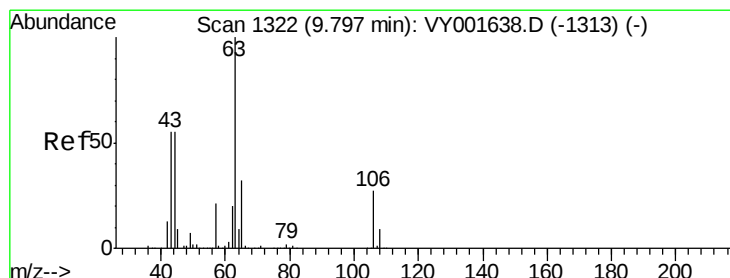
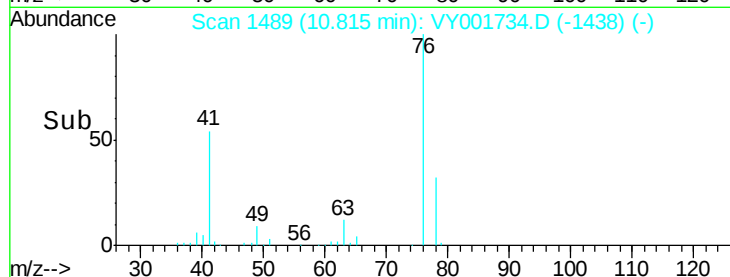
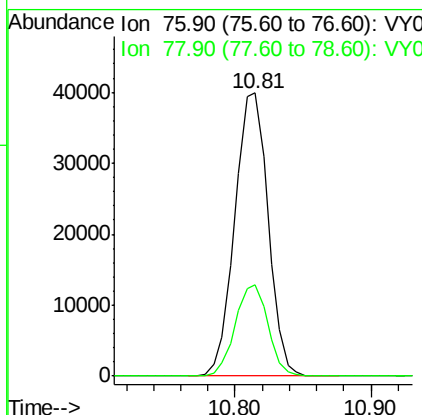
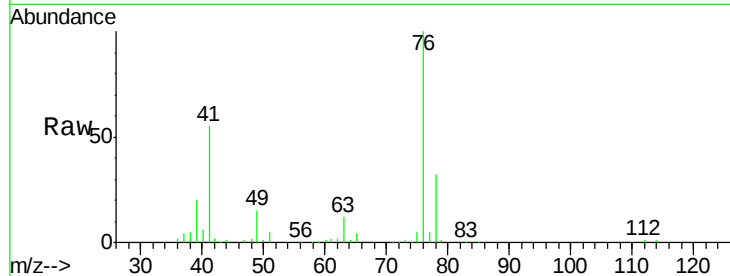
#57
 1,3-Dichloropropane
 Concen: 19.863 ug/l
 RT: 10.81 min Scan# 1489
 Delta R.T. 0.01 min
 Lab File: VY001734.D
 Acq: 21 Feb 2020 12:08

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0221SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.6	25.7	38.5

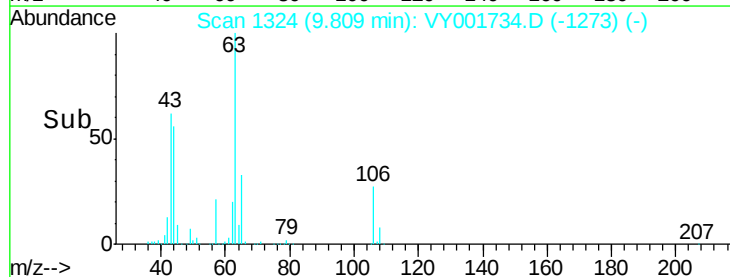
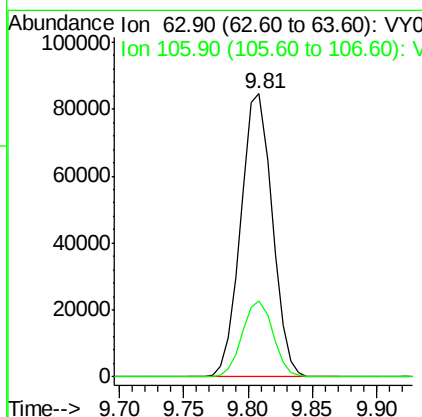
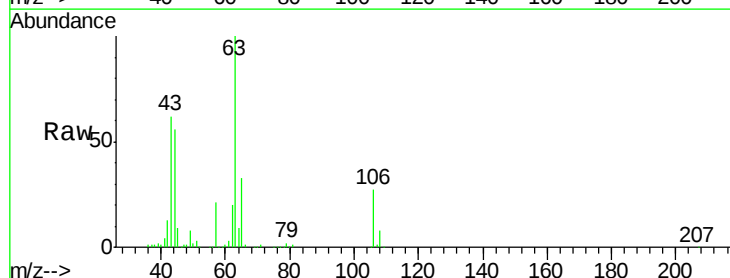
Manual Integrations
 APPROVED

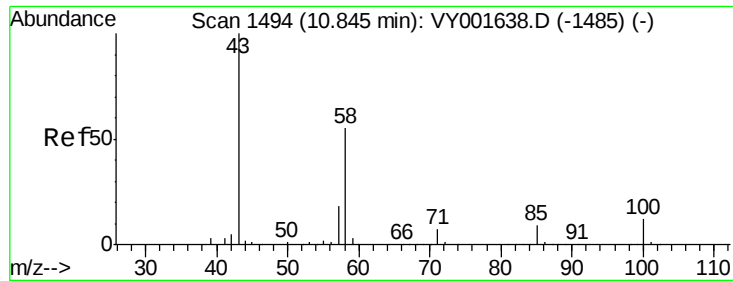
MMDadoda
 2/24/2020 11:09:37 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 121.534 ug/l
 RT: 9.81 min Scan# 1324
 Delta R.T. 0.01 min
 Lab File: VY001734.D
 Acq: 21 Feb 2020 12:08

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.3	21.6	32.4





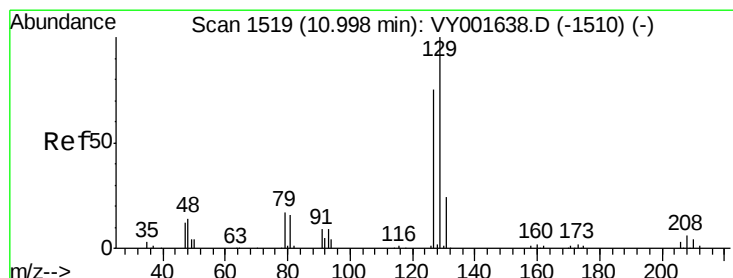
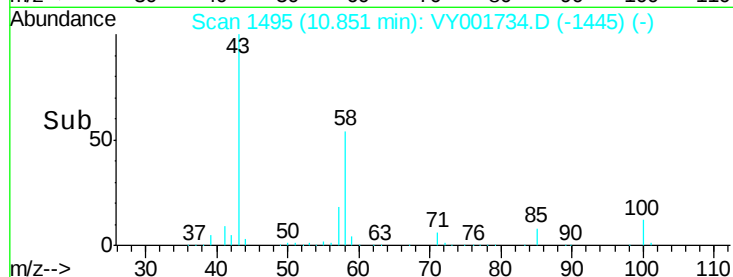
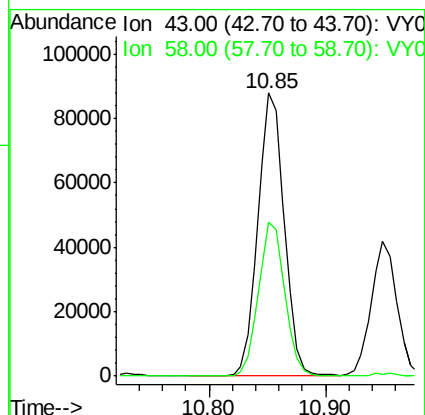
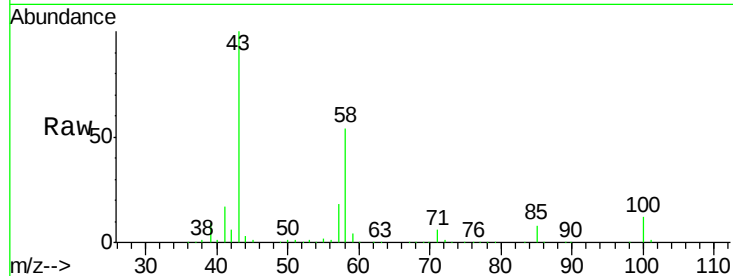
#59
2-Hexanone
Concen: 93.639 ug/l
RT: 10.85 min Scan# 1495
Delta R.T. 0.01 min
Lab File: VY001734.D
Acq: 21 Feb 2020 12:08

Instrument :
MSVOA_Y
ClientSampleId :
VY0221SBS01

Tot Ion: 43 Resp: 139178
Ion Ratio Lower Upper
43 100
58 54.6 28.4 85.2

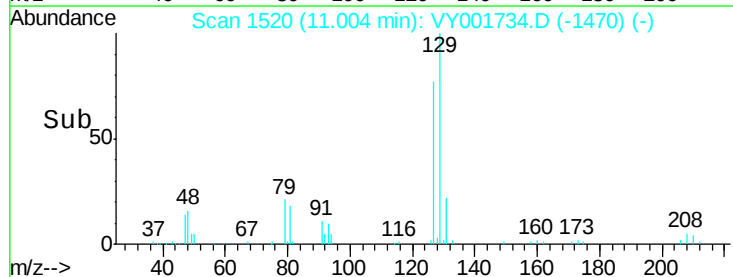
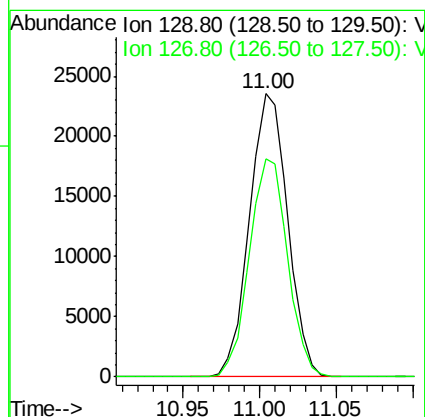
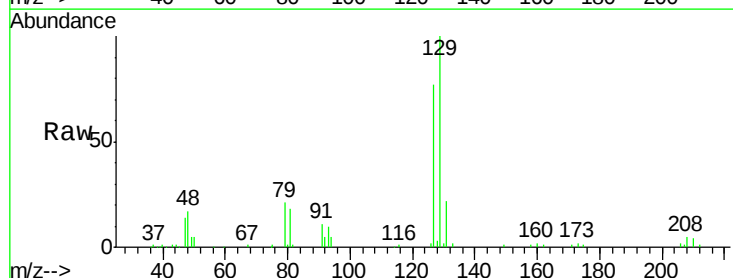
Manual Integrations
APPROVED

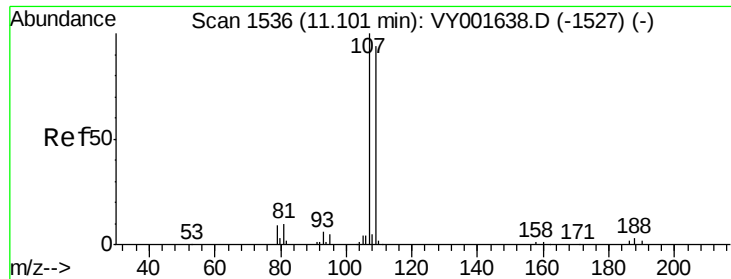
MMDadoda
2/24/2020 11:09:37 AM



#60
Dibromochloromethane
Concen: 19.267 ug/l
RT: 11.00 min Scan# 1520
Delta R.T. 0.01 min
Lab File: VY001734.D
Acq: 21 Feb 2020 12:08

Tgt Ion: 129 Resp: 41082
Ion Ratio Lower Upper
129 100
127 77.0 38.9 116.6





#61

1,2-Dibromoethane

Concen: 19.546 ug/l

RT: 11.11 min Scan# 1537

Delta R.T. 0.01 min

Lab File: VY001734.D

Acq: 21 Feb 2020 12:08

Instrument :

MSVOA_Y

ClientSampleId :

VY0221SBS01

Tot Ion: 107 Resp: 35743

Ion Ratio Lower Upper

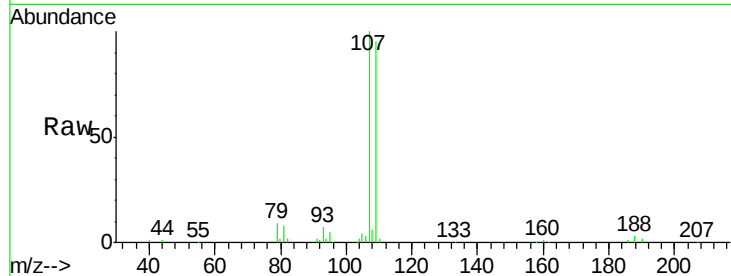
107 100

109 93.7 74.2 111.4

Manual Integrations
APPROVED

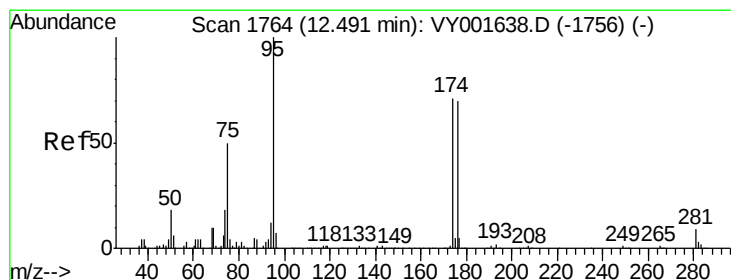
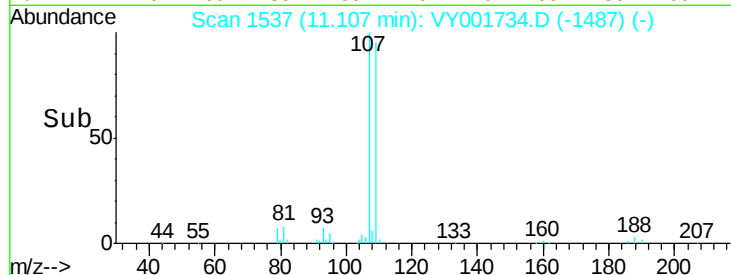
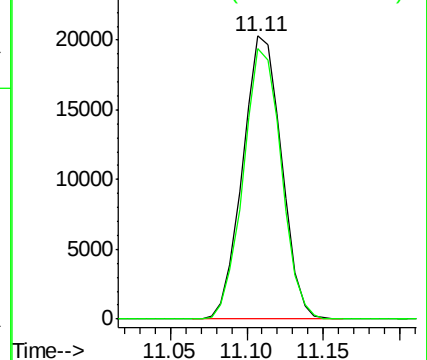
MMDadoda

2/24/2020 11:09:37 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 47.287 ug/l

RT: 12.50 min Scan# 1765

Delta R.T. 0.01 min

Lab File: VY001734.D

Acq: 21 Feb 2020 12:08

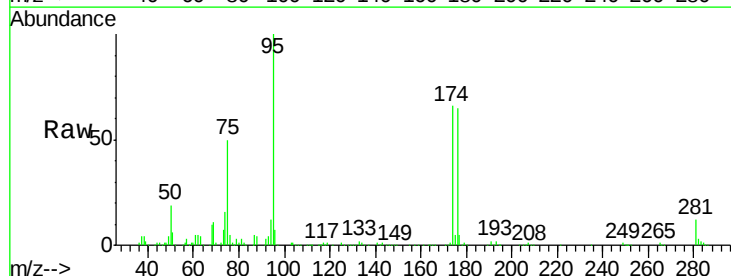
Tgt Ion: 95 Resp: 146925

Ion Ratio Lower Upper

95 100

174 70.5 0.0 138.4

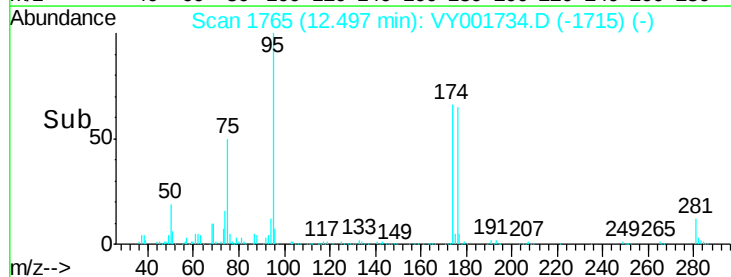
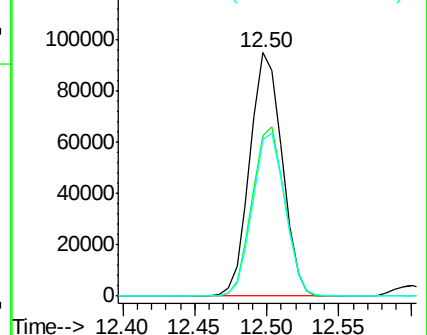
176 67.7 0.0 131.8

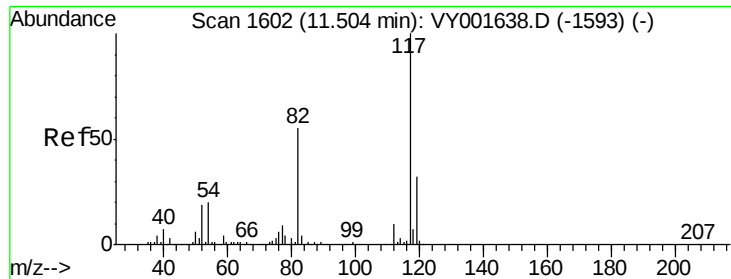


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





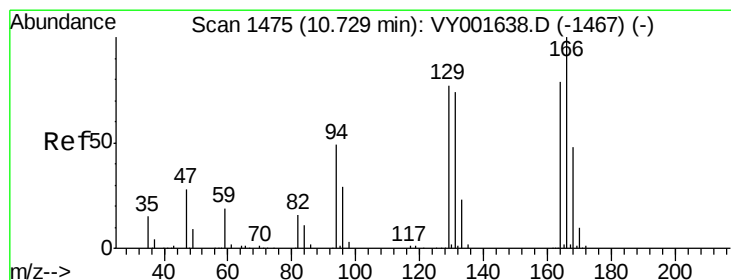
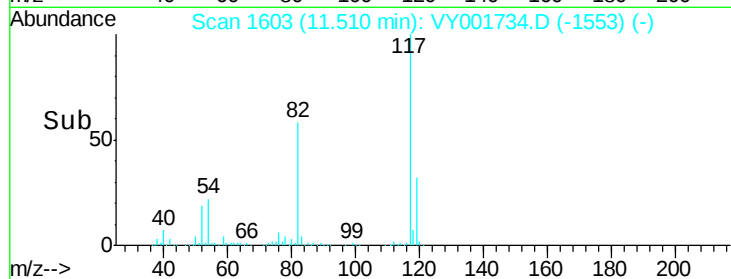
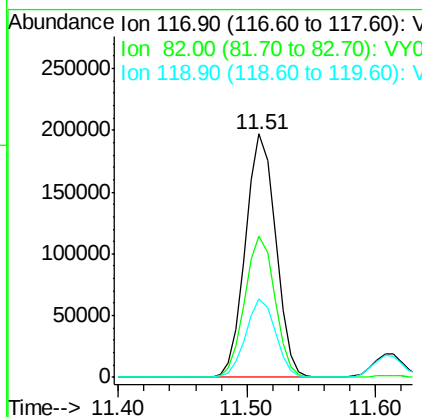
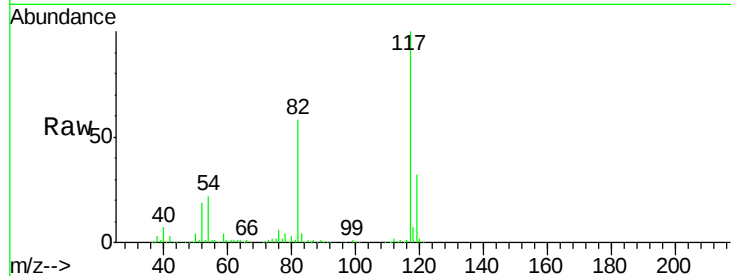
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.51 min Scan# 1603
Delta R.T. 0.01 min
Lab File: VY001734.D
Acq: 21 Feb 2020 12:08

Instrument :
MSVOA_Y
ClientSampleId :
VY0221SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	318676		
82	58.2		45.5	68.3
119	32.5		25.8	38.6

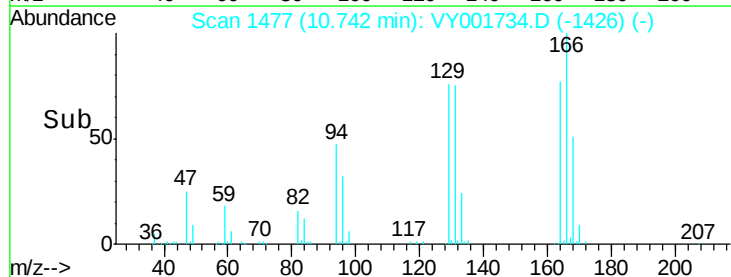
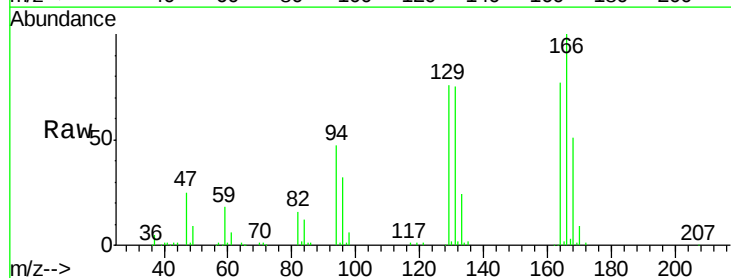
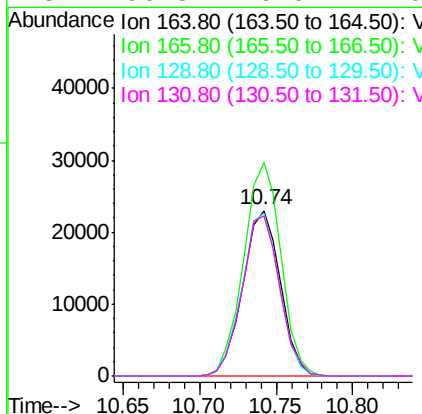
Manual Integrations
APPROVED

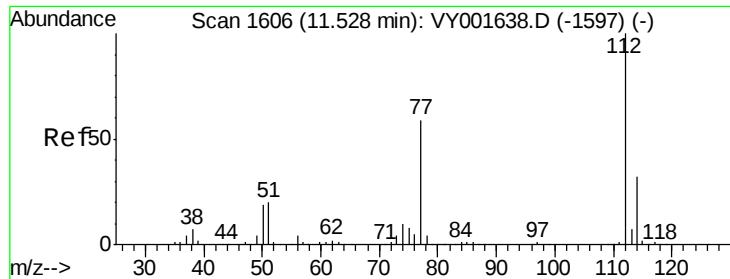
MMDadoda
2/24/2020 11:09:37 AM



#64
Tetrachloroethene
Concen: 19.609 ug/l
RT: 10.74 min Scan# 1477
Delta R.T. 0.01 min
Lab File: VY001734.D
Acq: 21 Feb 2020 12:08

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	39229		
166	129.4		101.4	152.0
129	98.7		78.7	118.1
131	96.8		76.0	114.0





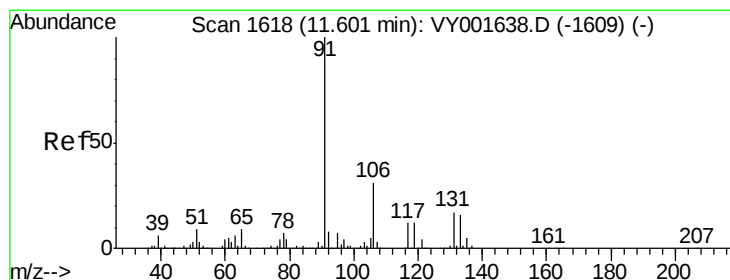
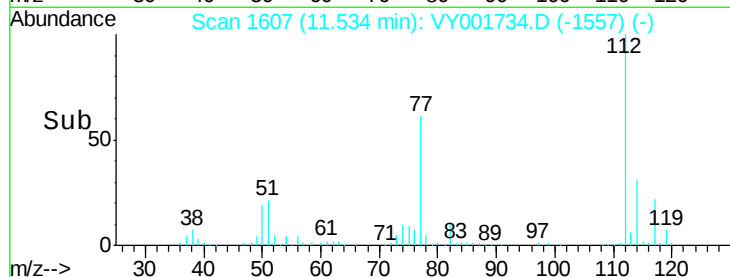
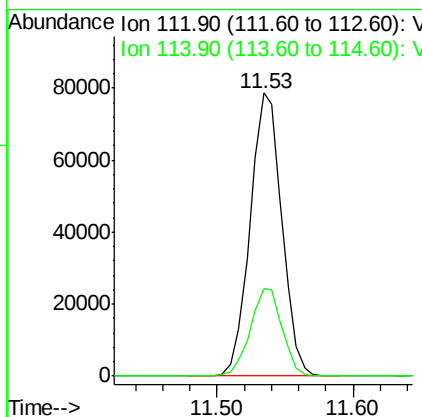
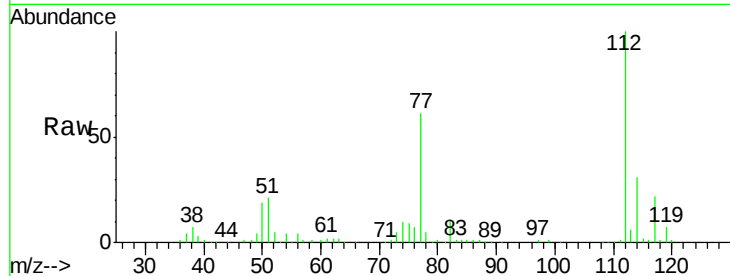
#65
Chlorobenzene
Concen: 20.156 ug/l
RT: 11.53 min Scan# 1607
Delta R.T. 0.01 min
Lab File: VY001734.D
Acq: 21 Feb 2020 12:08

Instrument :
MSVOA_Y
ClientSampleId :
VY0221SBS01

Tot Ion:112 Resp: 128238
Ion Ratio Lower Upper
112 100
114 31.0 25.4 38.2

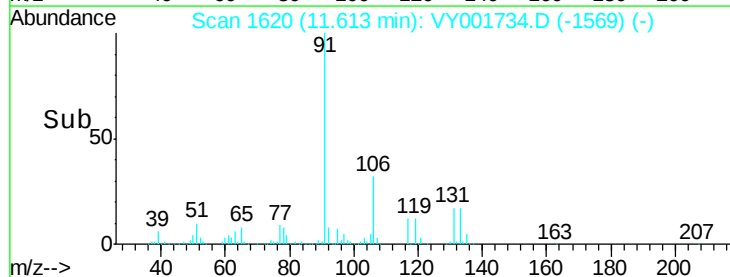
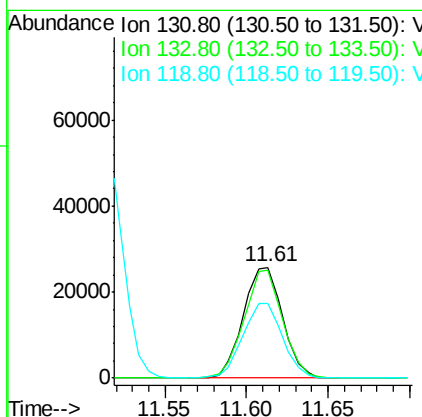
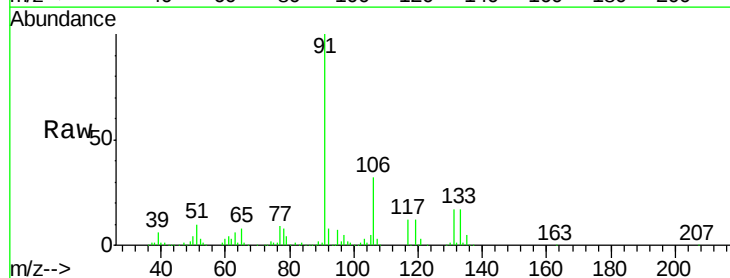
Manual Integrations
APPROVED

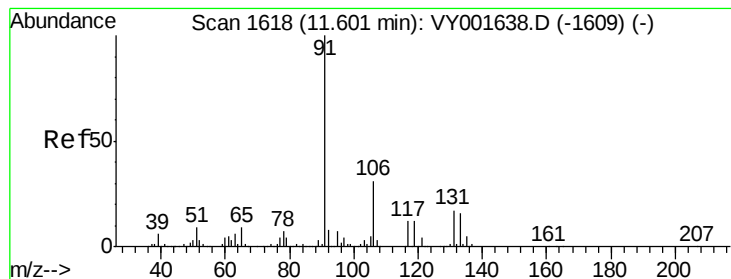
MMDadoda
2/24/2020 11:09:37 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.152 ug/l
RT: 11.61 min Scan# 1620
Delta R.T. 0.01 min
Lab File: VY001734.D
Acq: 21 Feb 2020 12:08

Tgt Ion:131 Resp: 43251
Ion Ratio Lower Upper
131 100
133 94.9 47.4 142.2
119 67.9 34.4 103.1





#67

Ethyl Benzene

Concen: 19.930 ug/l

RT: 11.61 min Scan# 1620

Delta R.T. 0.01 min

Lab File: VY001734.D

Acq: 21 Feb 2020 12:08

Instrument :

MSVOA_Y

ClientSampleId :

VY0221SBS01

Tot Ion: 91 Resp: 235308

Ion Ratio Lower Upper

91 100

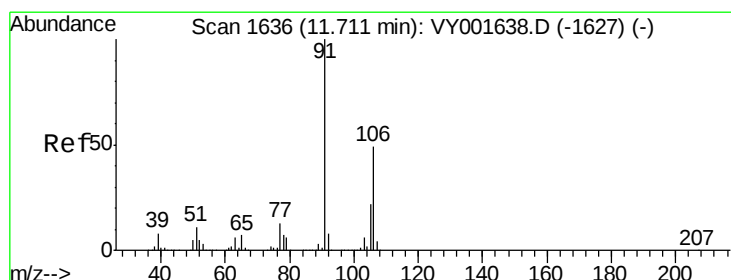
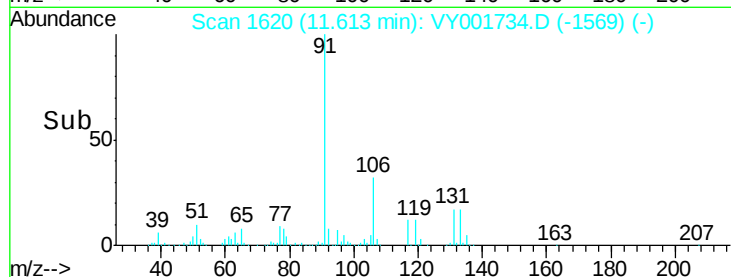
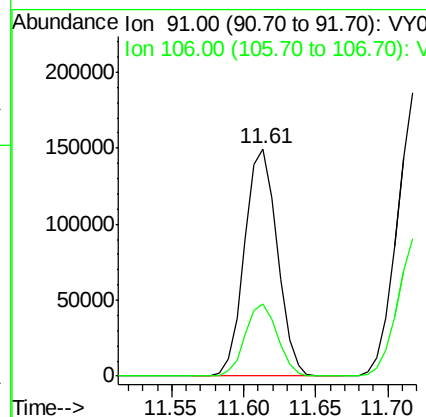
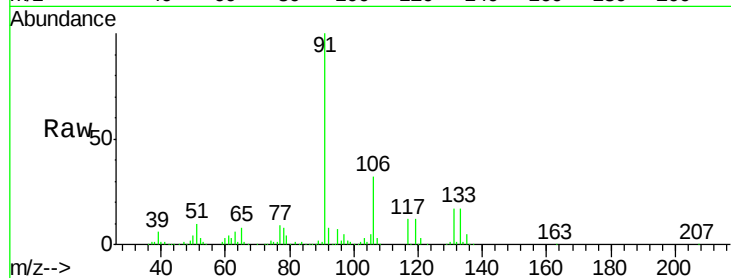
106 31.7 24.5 36.7

Manual Integrations

APPROVED

MMDadoda

2/24/2020 11:09:37 AM



#68

m/p-Xylenes

Concen: 40.062 ug/l

RT: 11.72 min Scan# 1638

Delta R.T. 0.01 min

Lab File: VY001734.D

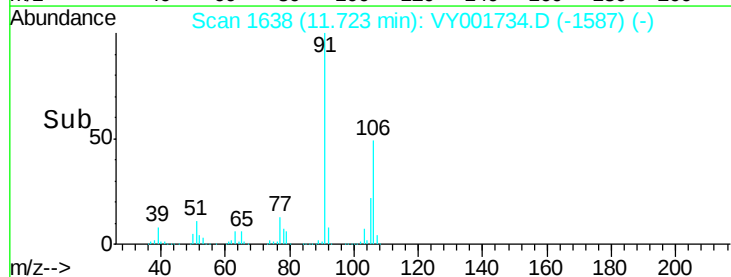
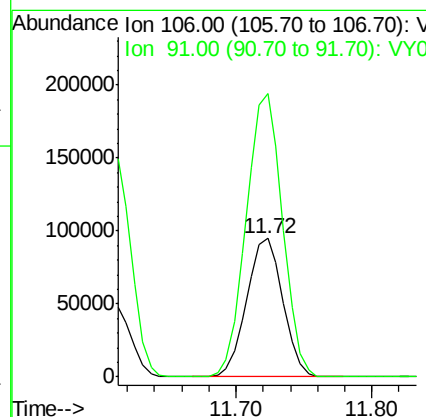
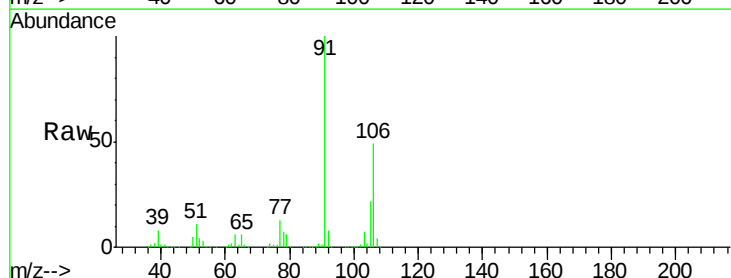
Acq: 21 Feb 2020 12:08

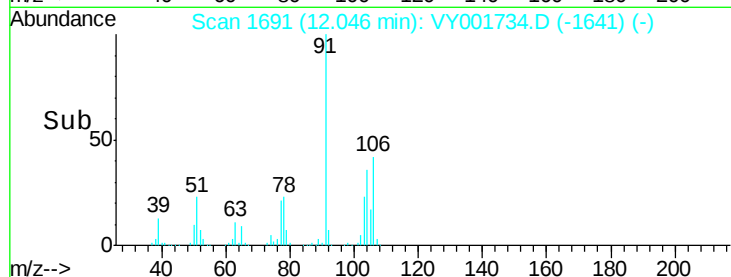
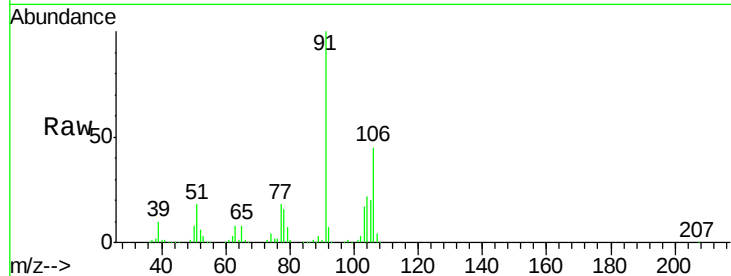
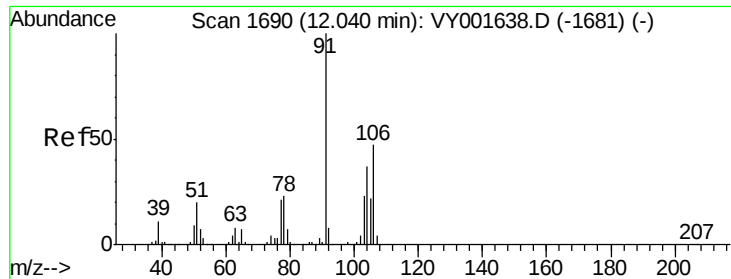
Tgt Ion: 106 Resp: 176693

Ion Ratio Lower Upper

106 100

91 205.2 163.3 244.9





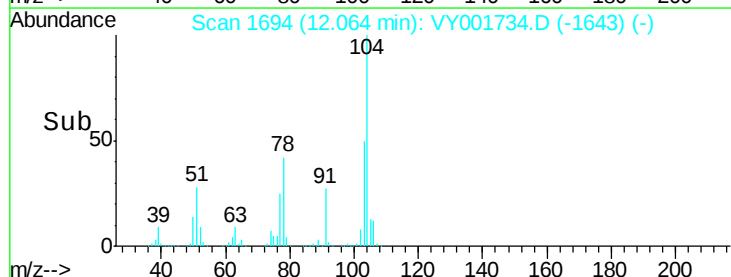
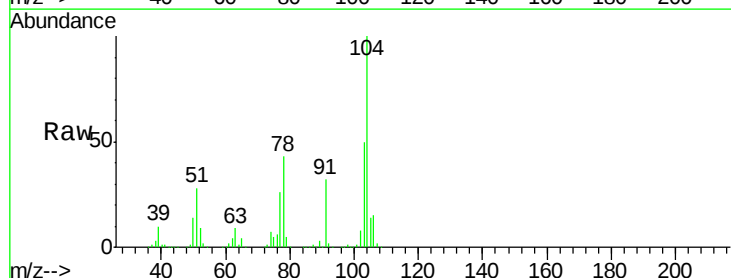
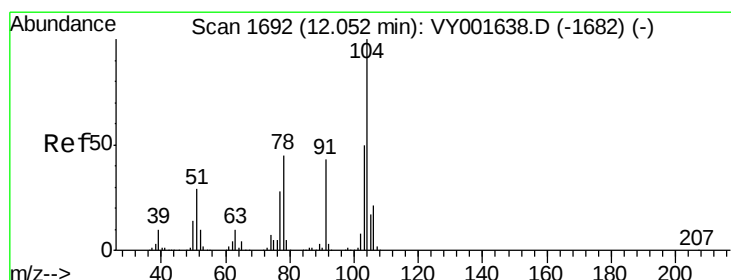
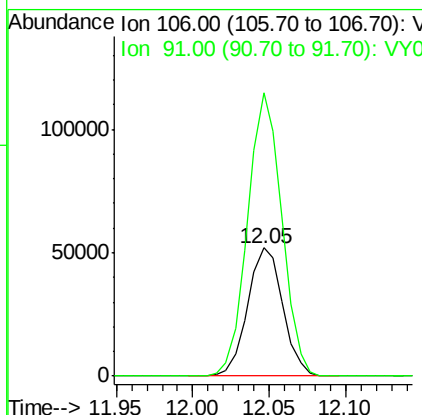
#69
o-Xylene
Concen: 19.832 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. 0.01 min
Lab File: VY001734.D
Acq: 21 Feb 2020 12:08

Tot Ion:106 Resp: 83155
Ion Ratio Lower Upper
106 100
91 214.6 108.3 324.9

Instrument :
MSVOA_Y
ClientSampleId :
VY0221SBS01

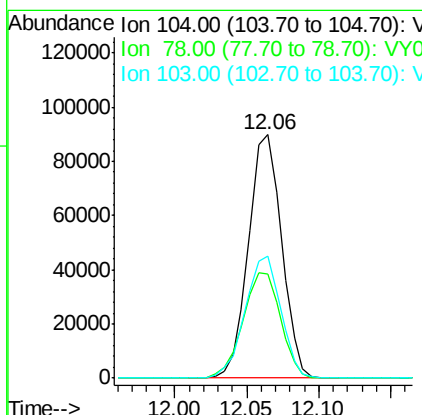
Manual Integrations
APPROVED

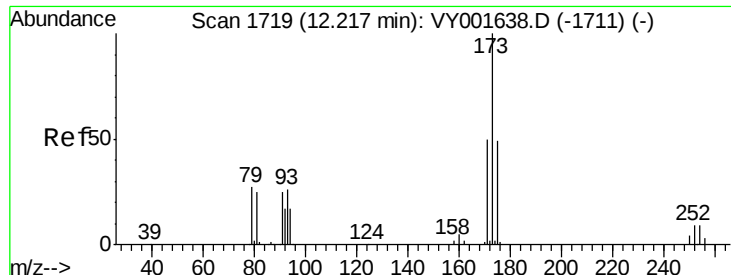
MMDadoda
2/24/2020 11:09:37 AM



#70
Styrene
Concen: 19.642 ug/l
RT: 12.06 min Scan# 1694
Delta R.T. 0.01 min
Lab File: VY001734.D
Acq: 21 Feb 2020 12:08

Tgt Ion:104 Resp: 143132
Ion Ratio Lower Upper
104 100
78 49.0 39.2 58.8
103 54.0 43.0 64.6





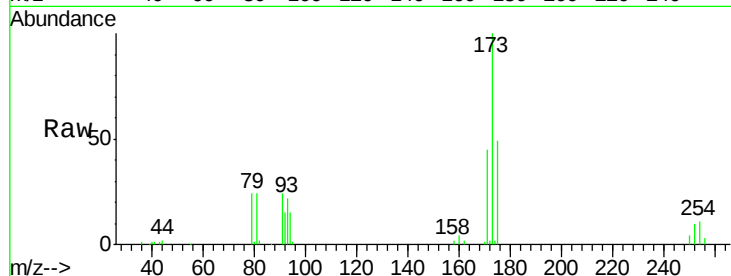
#71
Bromoform
Concen: 18.639 ug/l
RT: 12.23 min Scan# 1721
Delta R.T. 0.01 min
Lab File: VY001734.D
Acq: 21 Feb 2020 12:08

Instrument :
MSVOA_Y
ClientSampleId :
VY0221SBS01

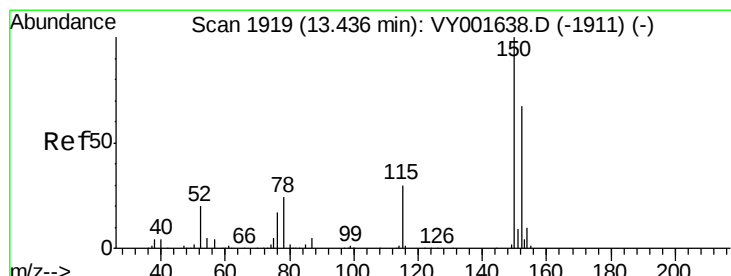
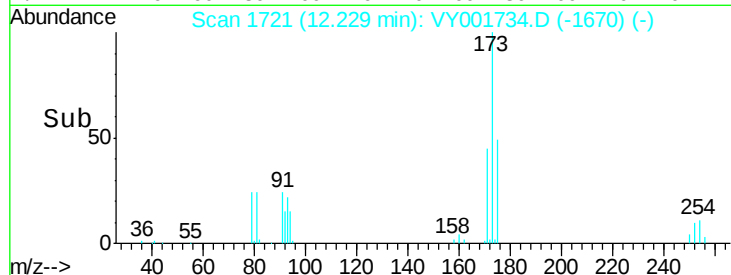
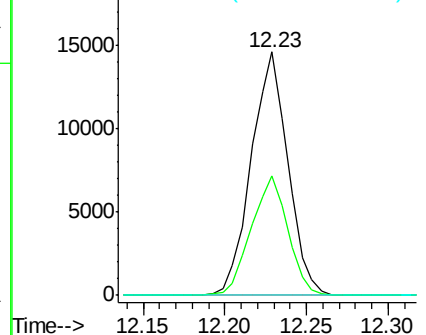
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.3	24.3	73.0
254	0.0	0.1	0.1#

Manual Integrations
APPROVED

MMDadoda
2/24/2020 11:09:37 AM

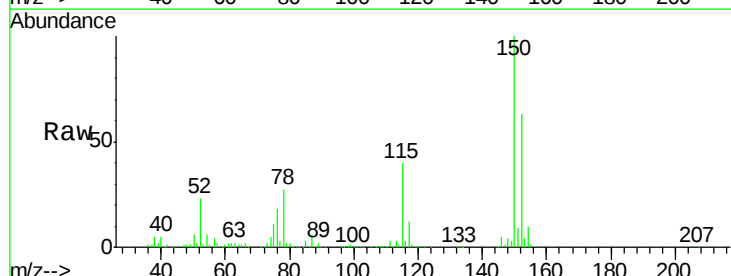


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

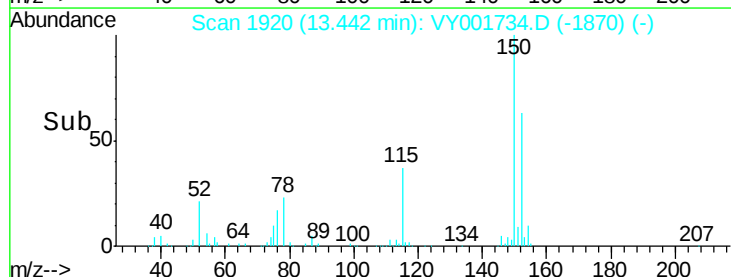
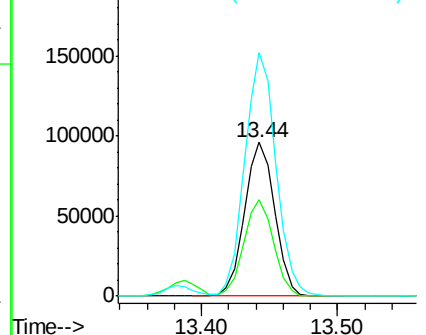


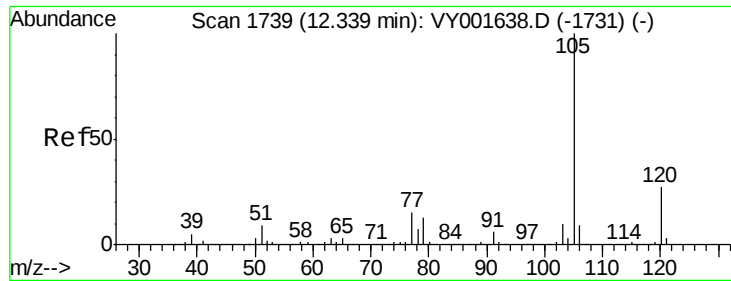
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1920
Delta R.T. 0.01 min
Lab File: VY001734.D
Acq: 21 Feb 2020 12:08

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.3	31.4	94.2
150	163.9	0.0	407.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.773 ug/l

RT: 12.35 min Scan# 1741

Delta R.T. 0.01 min

Lab File: VY001734.D

Acq: 21 Feb 2020 12:08

Instrument :

MSVOA_Y

ClientSampleId :

VY0221SBS01

Tot Ion: 105 Resp: 224224

Ion Ratio Lower Upper

105 100

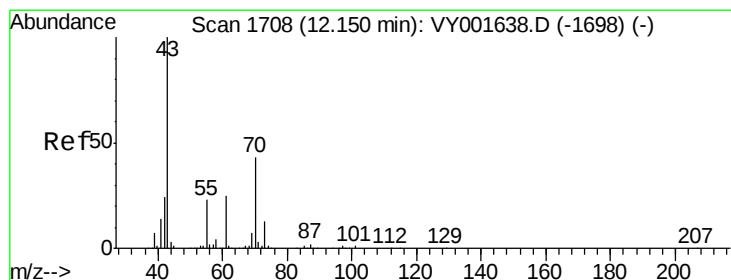
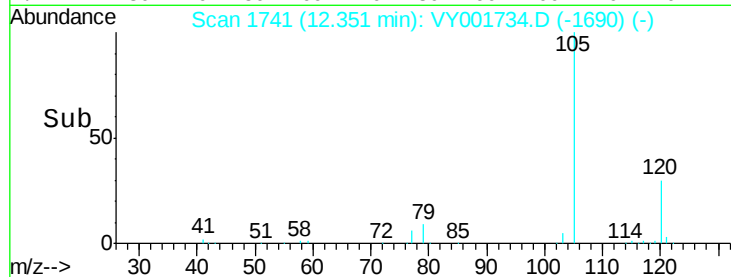
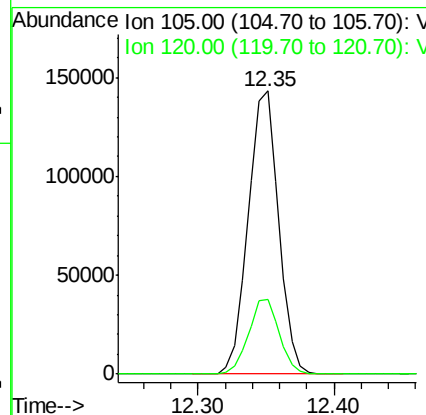
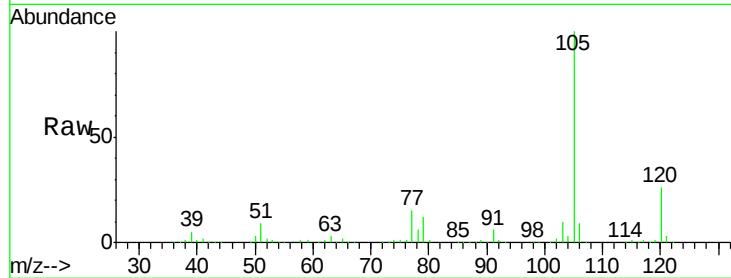
120 26.5 13.4 40.1

Manual Integrations

APPROVED

MMDadoda

2/24/2020 11:09:37 AM



#74

N-ethyl acetate

Concen: 19.090 ug/l

RT: 12.16 min Scan# 1710

Delta R.T. 0.01 min

Lab File: VY001734.D

Acq: 21 Feb 2020 12:08

Tgt Ion: 43 Resp: 69085

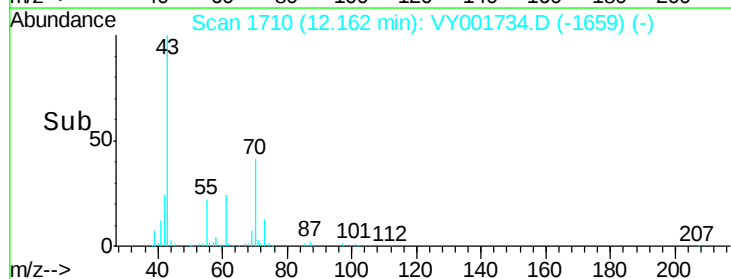
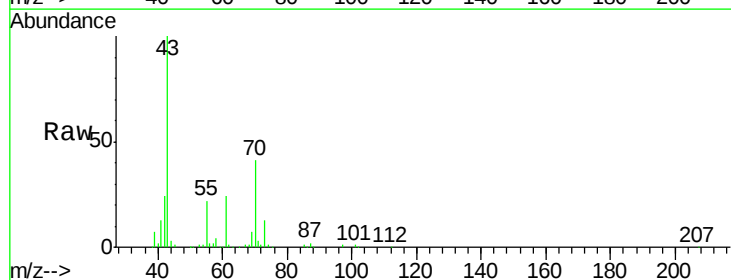
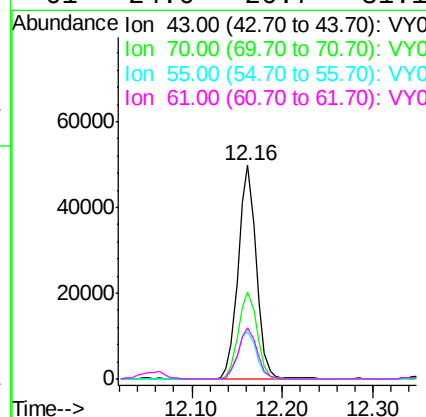
Ion Ratio Lower Upper

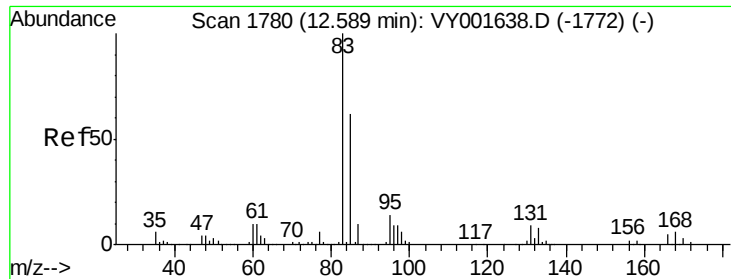
43 100

70 42.1 35.9 53.9

55 22.9 18.3 27.5

61 24.6 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 19.460 ug/l

RT: 12.60 min Scan# 1782

Delta R.T. 0.01 min

Lab File: VY001734.D

Acq: 21 Feb 2020 12:08

Instrument :

MSVOA_Y

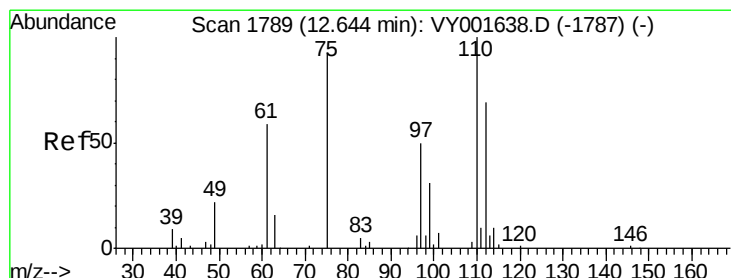
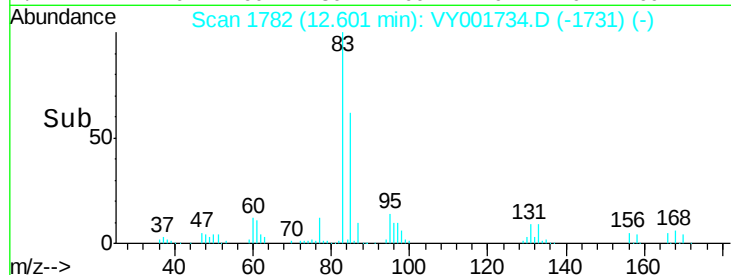
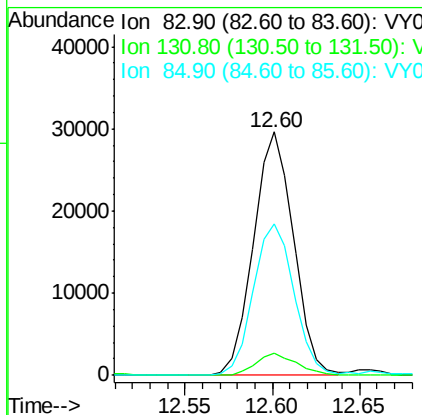
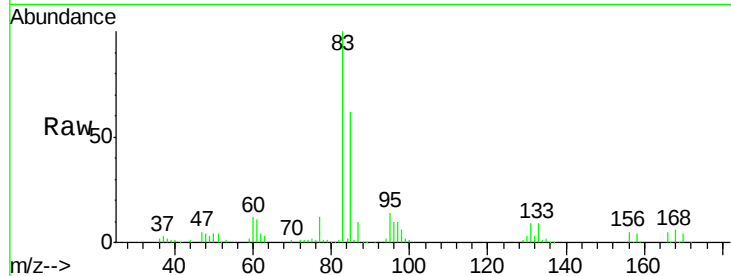
ClientSampleId :

VY0221SBS01

Tot Ion:	83	Resp:	47118
Ion Ratio	Lower	Upper	
83	100		
131	9.4	4.7	14.1
85	63.0	31.6	94.7

Manual Integrations
APPROVED

MMDadoda
2/24/2020 11:09:37 AM



#76

1,2,3-Trichloropropane

Concen: 19.902 ug/l m

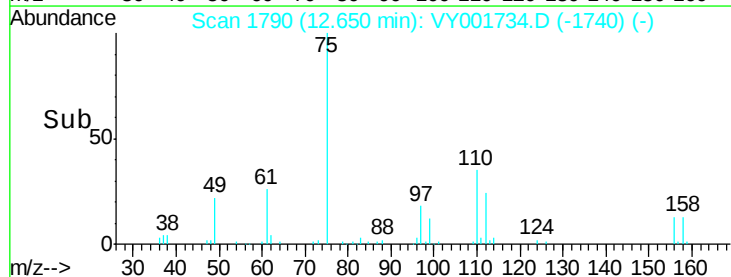
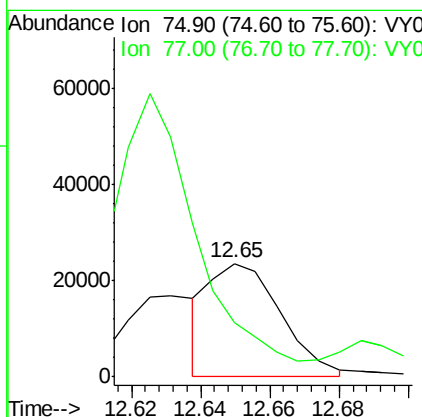
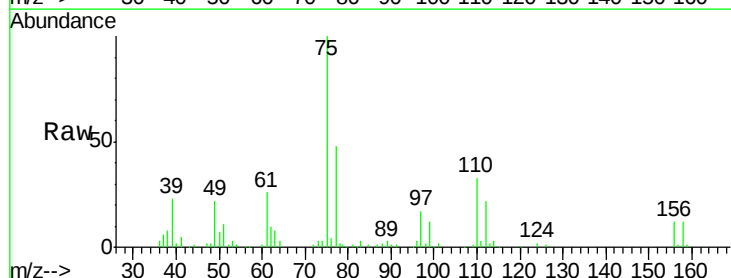
RT: 12.65 min Scan# 1790

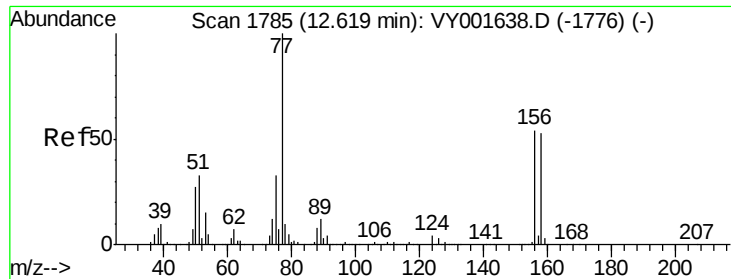
Delta R.T. 0.01 min

Lab File: VY001734.D

Acq: 21 Feb 2020 12:08

Tgt Ion:	75	Resp:	33982
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.861 ug/l

RT: 12.63 min Scan# 1786

Delta R.T. 0.01 min

Lab File: VY001734.D

Acq: 21 Feb 2020 12:08

Instrument :

MSVOA_Y

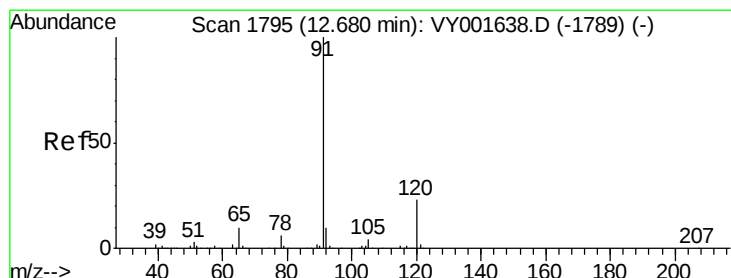
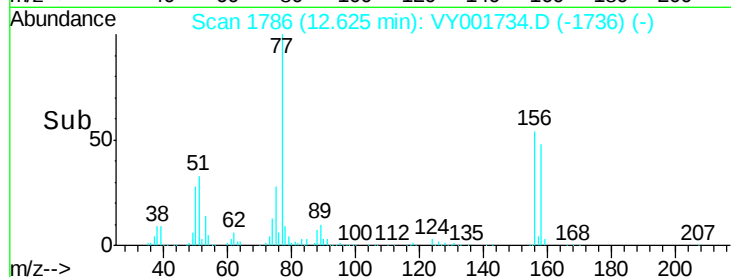
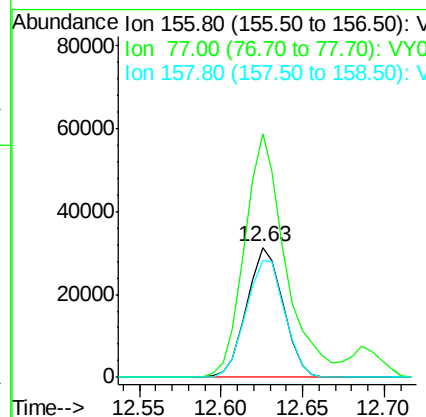
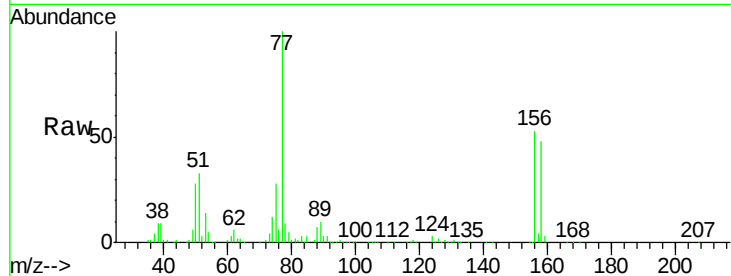
ClientSampleId :

VY0221SBS01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	208.7	110.1	330.1	
158	95.8	47.9	143.7	

Manual Integrations
APPROVED

MMDadoda
2/24/2020 11:09:37 AM



#78

n-propylbenzene

Concen: 20.126 ug/l

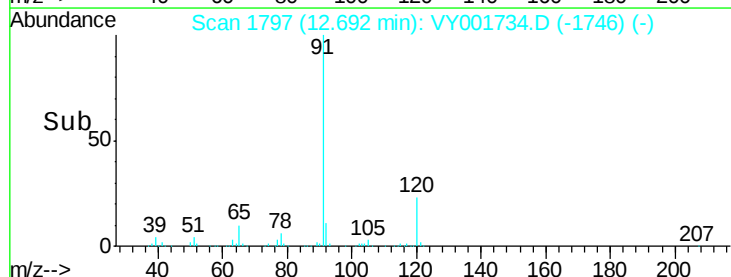
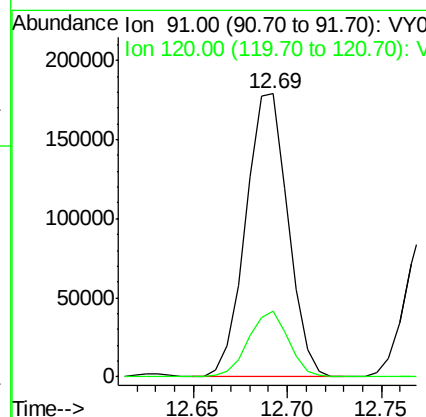
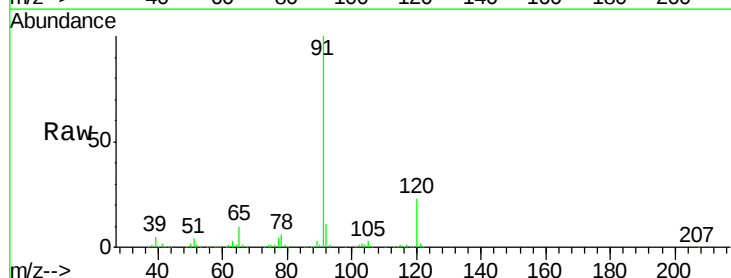
RT: 12.69 min Scan# 1797

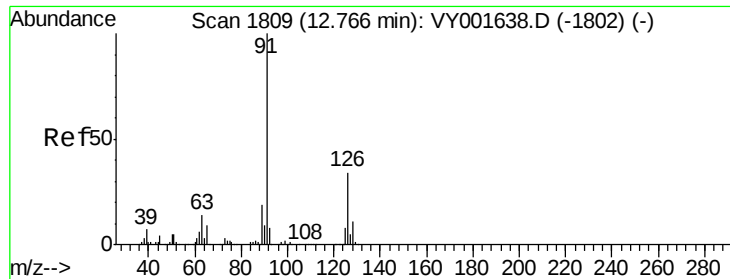
Delta R.T. 0.01 min

Lab File: VY001734.D

Acq: 21 Feb 2020 12:08

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	22.3	11.1	33.1	





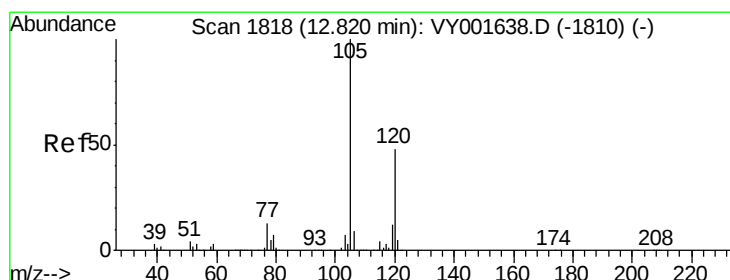
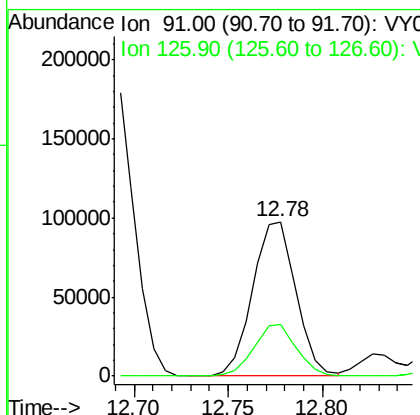
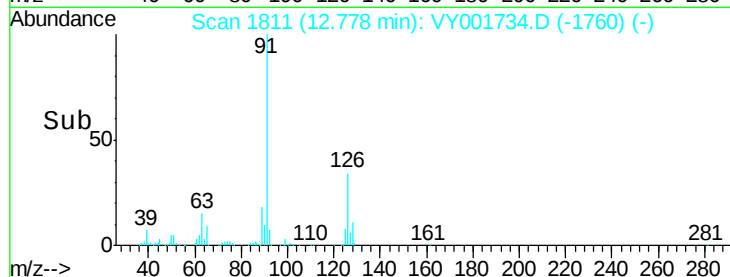
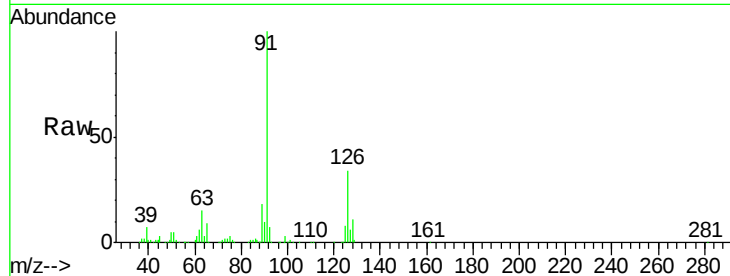
#79
 2-Chlorotoluene
 Concen: 20.048 ug/l
 RT: 12.78 min Scan# 1811
 Delta R.T. 0.01 min
 Lab File: VY001734.D
 Acq: 21 Feb 2020 12:08

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0221SBS01

Tot Ion: 91 Resp: 155288
 Ion Ratio Lower Upper
 91 100
 126 33.0 16.2 48.6

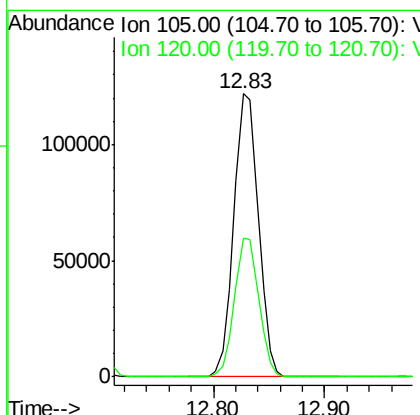
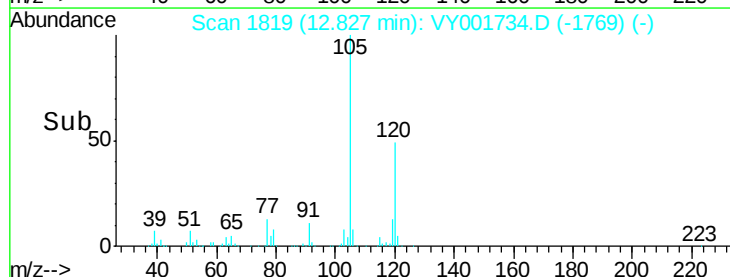
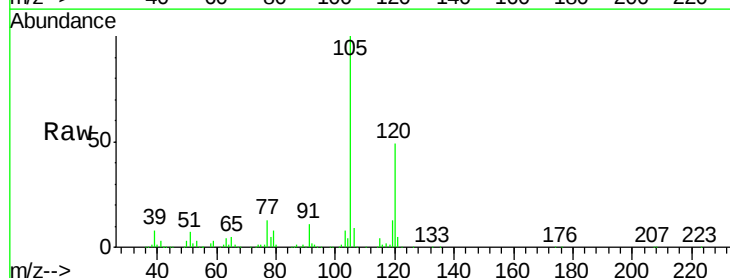
Manual Integrations
 APPROVED

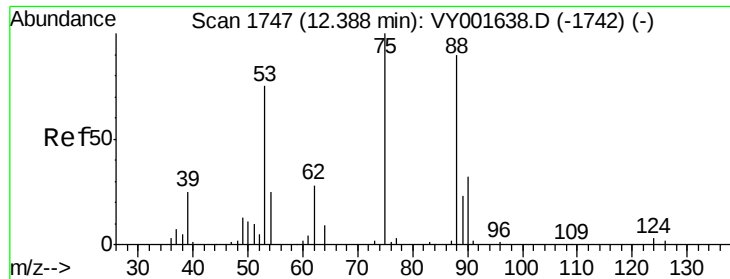
MMDadoda
 2/24/2020 11:09:37 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 19.934 ug/l
 RT: 12.83 min Scan# 1819
 Delta R.T. 0.01 min
 Lab File: VY001734.D
 Acq: 21 Feb 2020 12:08

Tgt Ion: 105 Resp: 187117
 Ion Ratio Lower Upper
 105 100
 120 48.7 24.3 72.9





#81

trans-1,4-Dichloro-2-butene

Concen: 19.224 ug/l

RT: 12.39 min Scan# 1748

Delta R.T. 0.01 min

Lab File: VY001734.D

Acq: 21 Feb 2020 12:08

Instrument :

MSVOA_Y

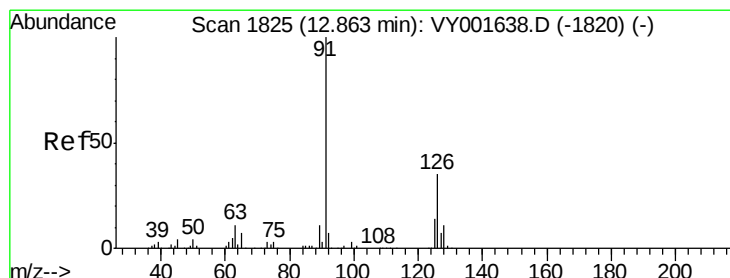
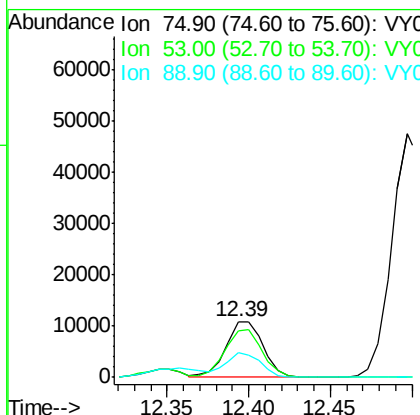
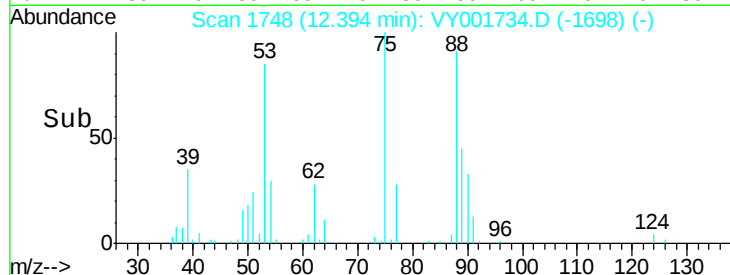
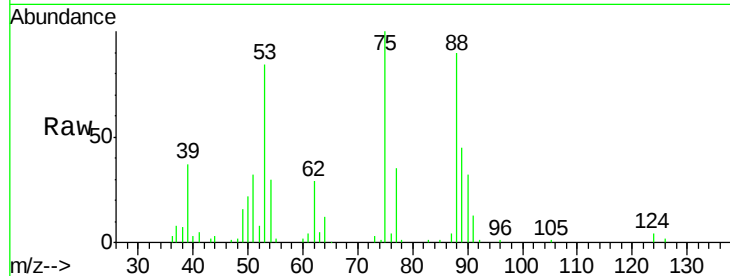
ClientSampleId :

VY0221SBS01

Tot Ion:	75	Resp:	17302
Ion Ratio	Lower	Upper	
75	100		
53	84.7	64.5	96.7
89	41.5	36.3	54.5

Manual Integrations
APPROVED

MMDadoda
2/24/2020 11:09:37 AM



#82

4-Chlorotoluene

Concen: 19.691 ug/l

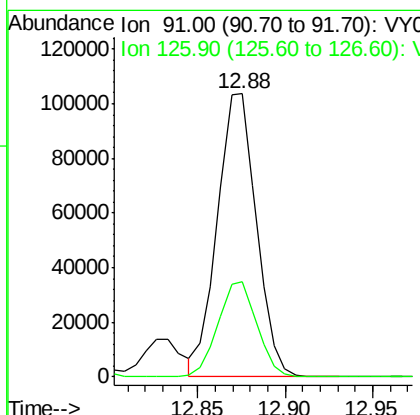
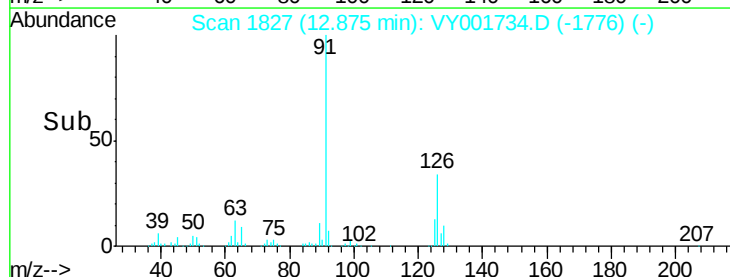
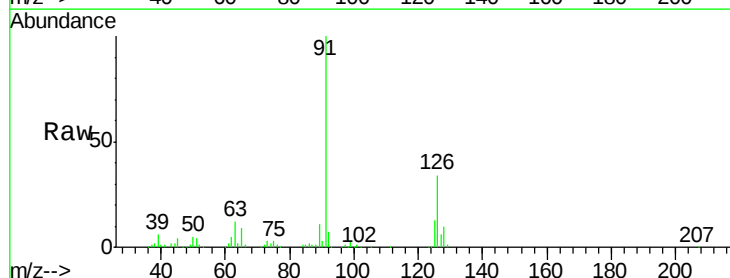
RT: 12.88 min Scan# 1827

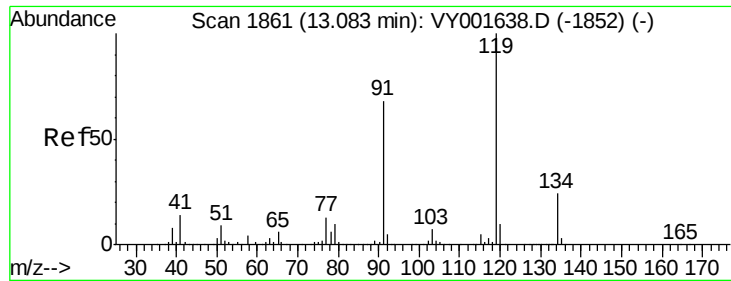
Delta R.T. 0.01 min

Lab File: VY001734.D

Acq: 21 Feb 2020 12:08

Tgt Ion:	91	Resp:	160871
Ion Ratio	Lower	Upper	
91	100		
126	33.6	16.2	48.6





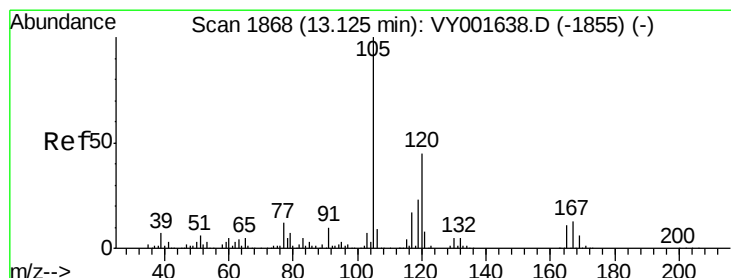
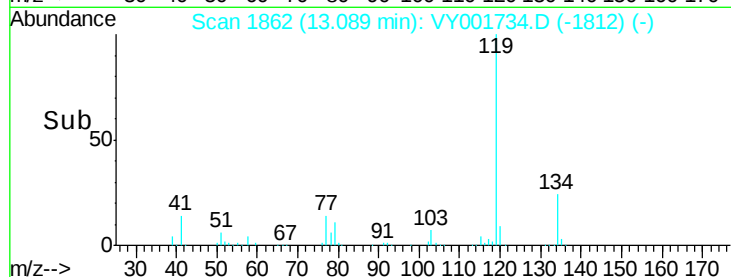
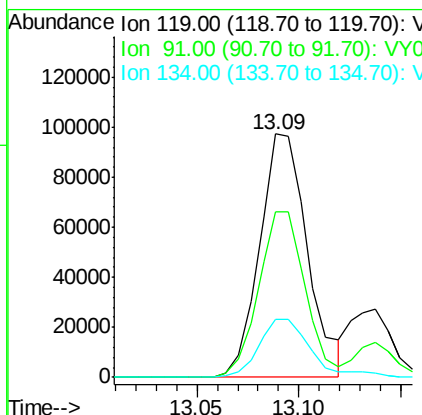
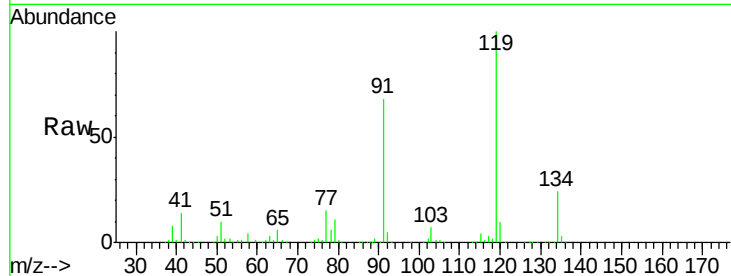
#83
tert-Butylbenzene
Concen: 20.327 ug/l
RT: 13.09 min Scan# 1862
Delta R.T. 0.01 min
Lab File: VY001734.D
Acq: 21 Feb 2020 12:08

Instrument :
MSVOA_Y
ClientSampleId :
VY0221SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.0	33.5	100.5
134	25.9	13.3	39.8

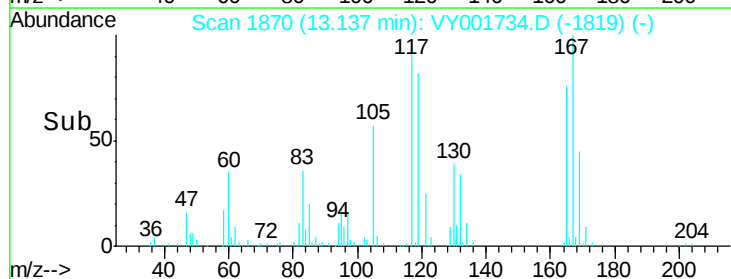
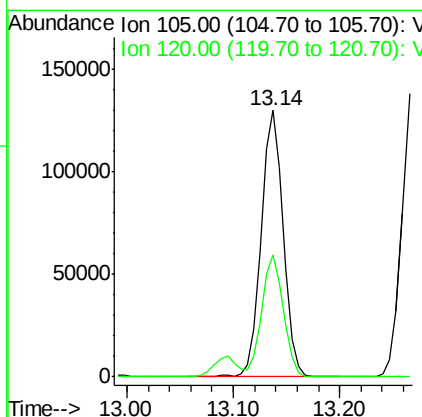
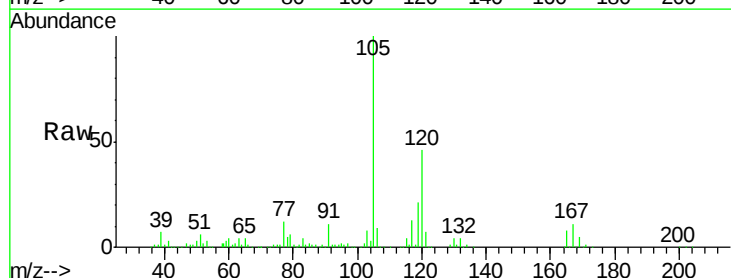
Manual Integrations
APPROVED

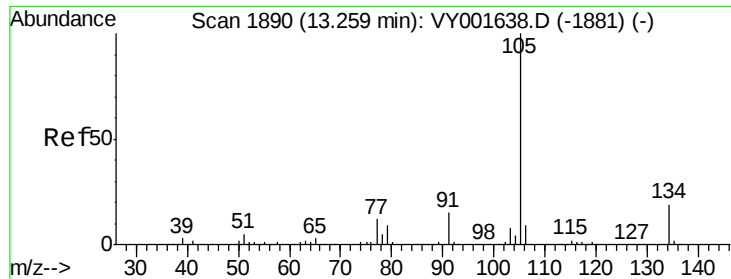
MMDadoda
2/24/2020 11:09:37 AM



#84
1,2,4-Trimethylbenzene
Concen: 20.122 ug/l
RT: 13.14 min Scan# 1870
Delta R.T. 0.01 min
Lab File: VY001734.D
Acq: 21 Feb 2020 12:08

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.9	22.4	67.3





#85

sec-Butylbenzene

Concen: 19.923 ug/l

RT: 13.27 min Scan# 1892

Delta R.T. 0.01 min

Lab File: VY001734.D

Acq: 21 Feb 2020 12:08

Instrument :

MSVOA_Y

ClientSampleId :

VY0221SBS01

Tot Ion:105 Resp: 230036

Ion Ratio Lower Upper

105 100

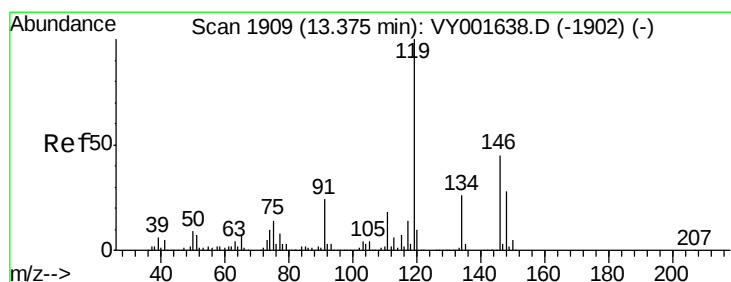
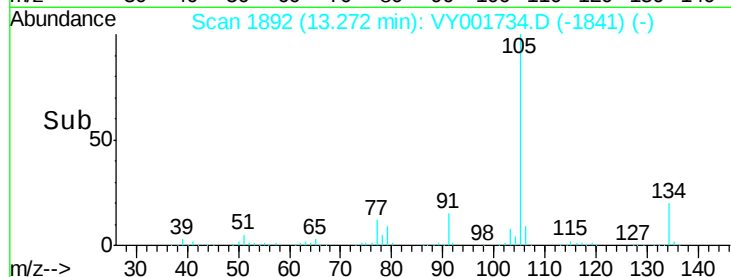
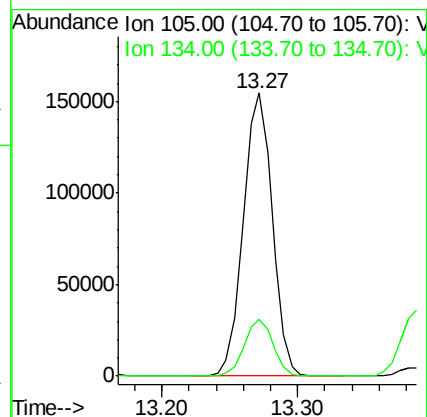
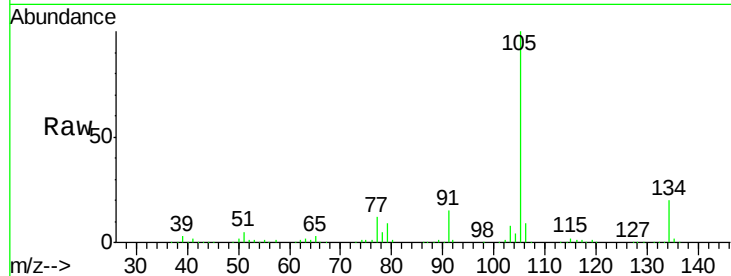
134 19.8 9.8 29.3

Manual Integrations

APPROVED

MMDadoda

2/24/2020 11:09:37 AM



#86

p-Isopropyltoluene

Concen: 20.029 ug/l

RT: 13.39 min Scan# 1911

Delta R.T. 0.01 min

Lab File: VY001734.D

Acq: 21 Feb 2020 12:08

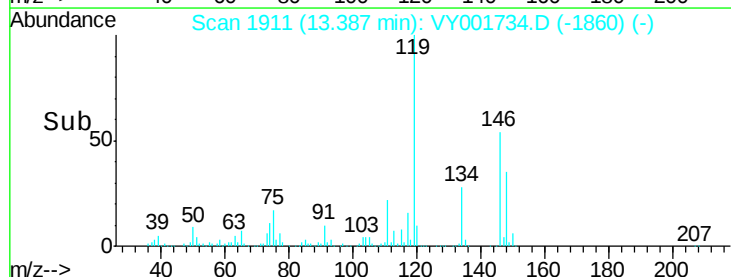
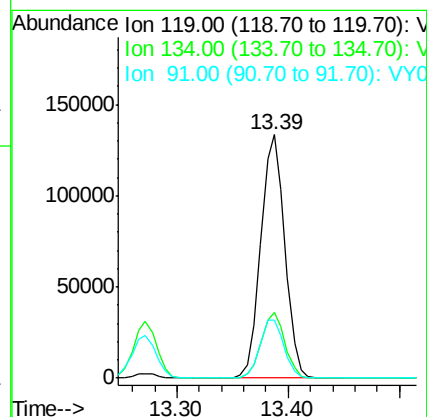
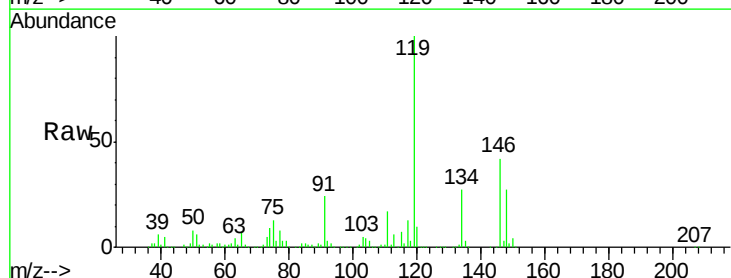
Tgt Ion:119 Resp: 200910

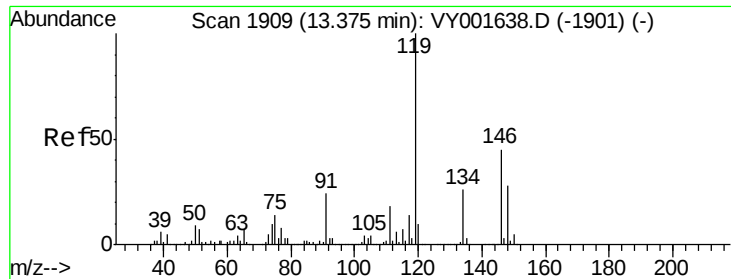
Ion Ratio Lower Upper

119 100

134 26.5 13.0 39.0

91 24.0 12.2 36.6





#87

1,3-Dichlorobenzene

Concen: 19.629 ug/l

RT: 13.38 min Scan# 1910

Delta R.T. 0.01 min

Lab File: VY001734.D

Acq: 21 Feb 2020 12:08

Instrument :

MSVOA_Y

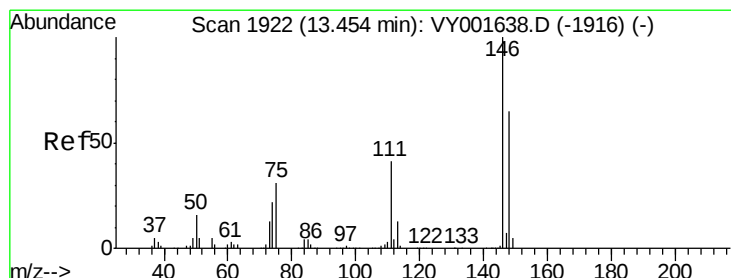
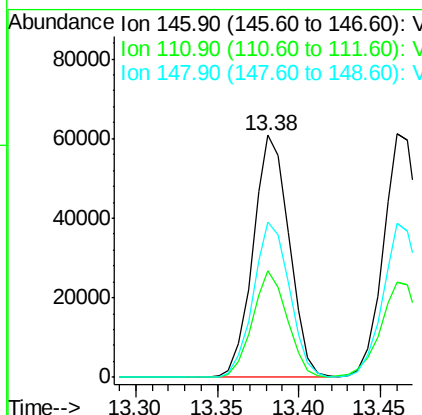
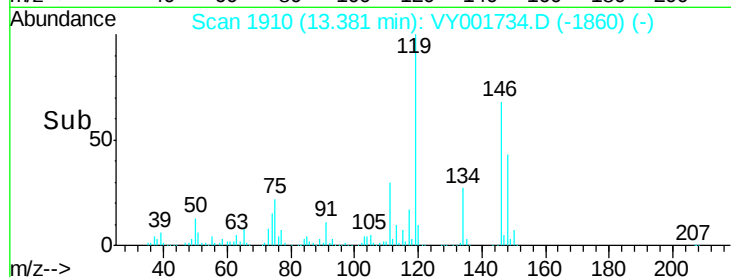
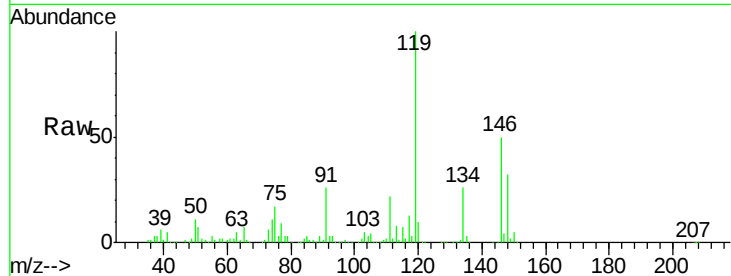
ClientSampleId :

VY0221SBS01

Tot Ion:	146	Resp:	93580
Ion Ratio	Lower	Upper	
146	100		
111	42.3	21.4	64.3
148	64.3	31.6	94.7

Manual Integrations
APPROVED

MMDadoda
2/24/2020 11:09:37 AM



#88

1,4-Dichlorobenzene

Concen: 19.788 ug/l

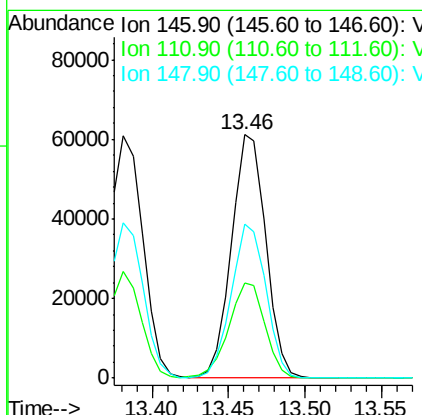
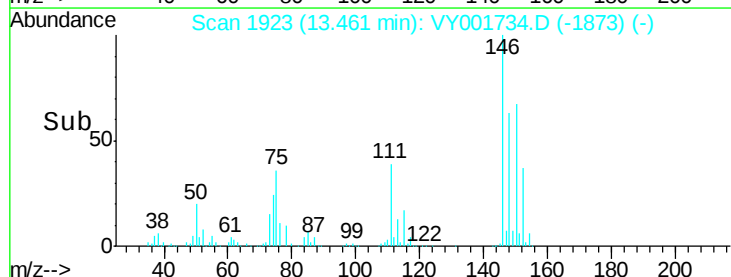
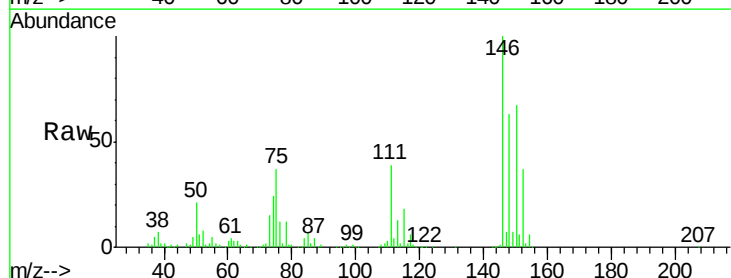
RT: 13.46 min Scan# 1923

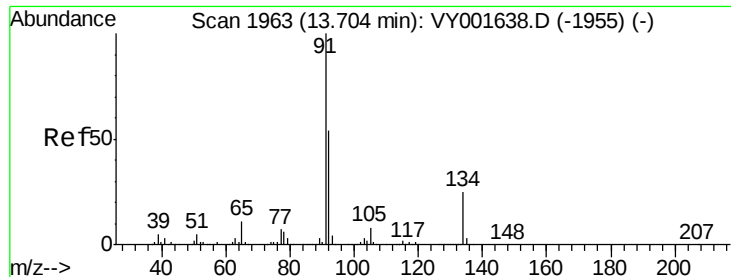
Delta R.T. 0.01 min

Lab File: VY001734.D

Acq: 21 Feb 2020 12:08

Tgt Ion:	146	Resp:	95364
Ion Ratio	Lower	Upper	
146	100		
111	41.4	20.4	61.3
148	64.0	31.6	94.7





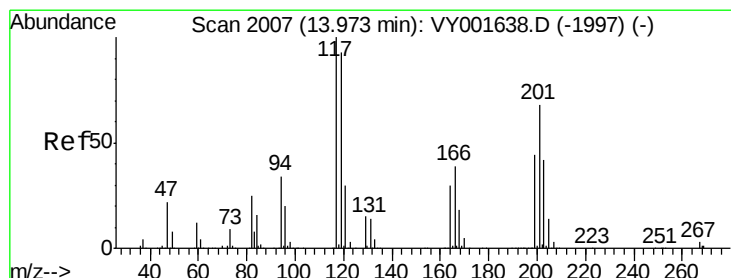
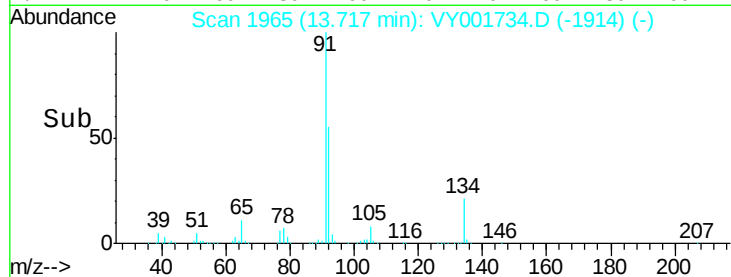
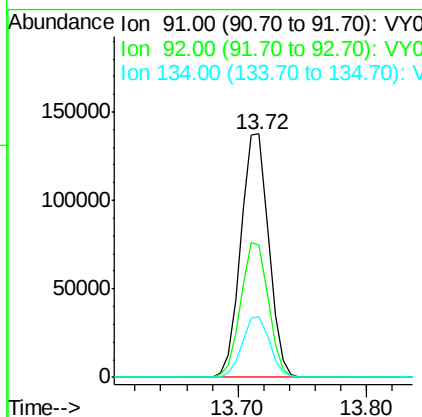
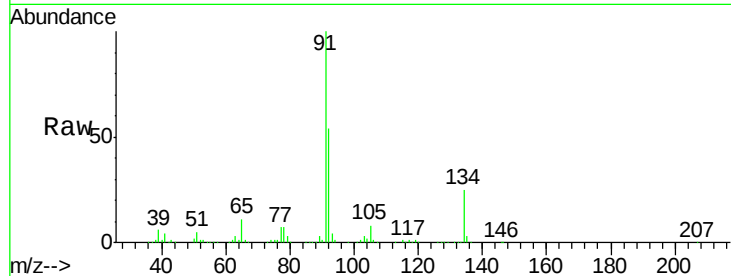
#89
n-Butylbenzene
Concen: 20.017 ug/l
RT: 13.72 min Scan# 1965
Delta R.T. 0.01 min
Lab File: VY001734.D
Acq: 21 Feb 2020 12:08

Instrument :
MSVOA_Y
ClientSampleId :
VY0221SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	205169		
92	54.6		27.5	82.4
134	24.6		12.4	37.4

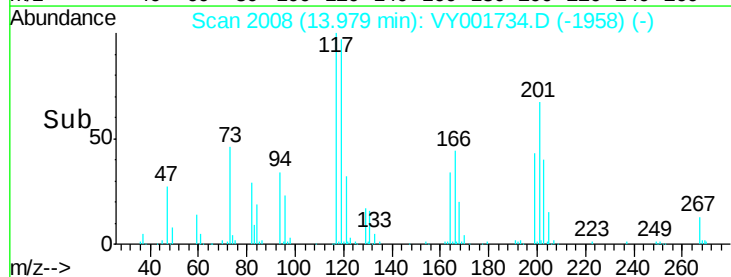
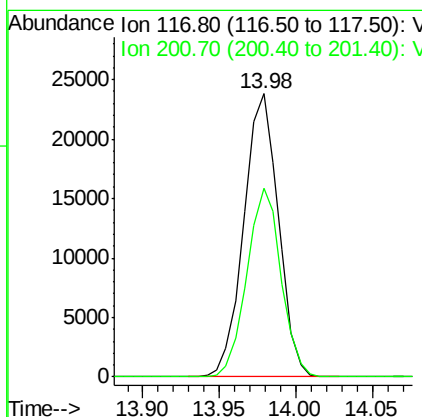
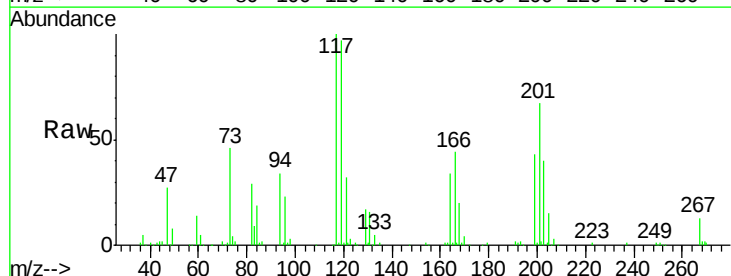
Manual Integrations
APPROVED

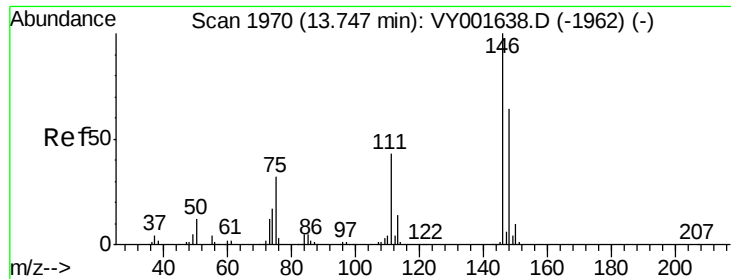
MMDadoda
2/24/2020 11:09:37 AM



#90
Hexachloroethane
Concen: 19.832 ug/l
RT: 13.98 min Scan# 2008
Delta R.T. 0.01 min
Lab File: VY001734.D
Acq: 21 Feb 2020 12:08

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	37480		
201	66.0		32.5	97.4





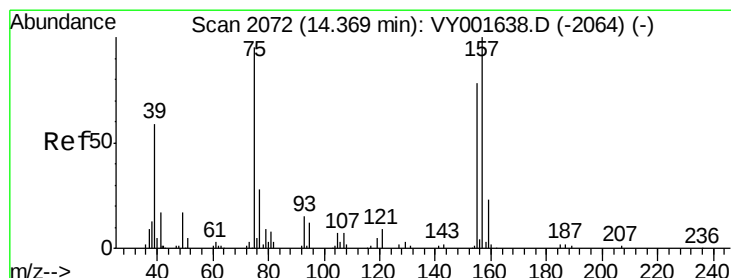
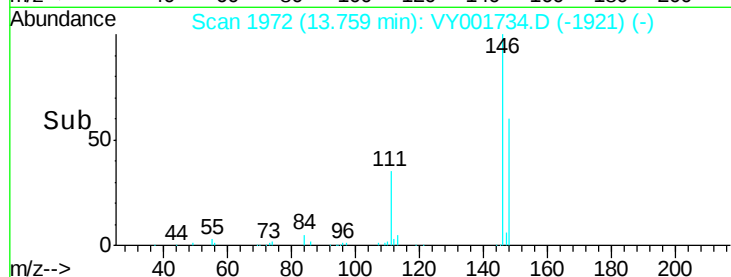
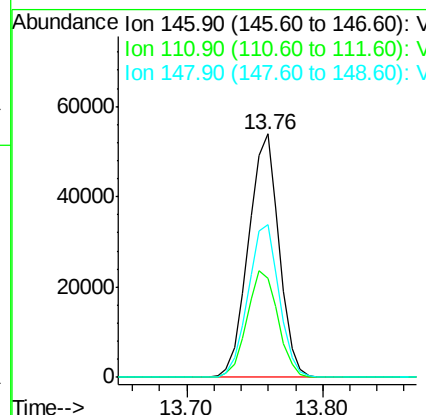
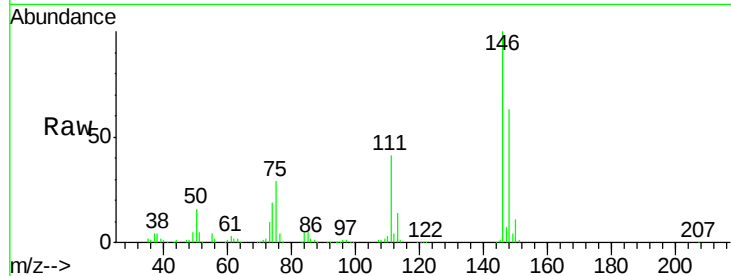
#91
 1,2-Dichlorobenzene
 Concen: 19.175 ug/l
 RT: 13.76 min Scan# 1972
 Delta R.T. 0.01 min
 Lab File: VY001734.D
 Acq: 21 Feb 2020 12:08

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0221SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.2	21.9	65.7
148	63.7	31.5	94.5

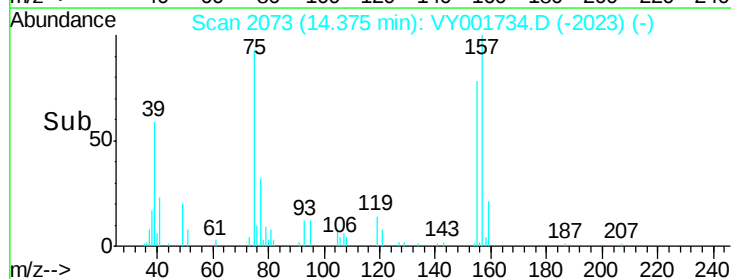
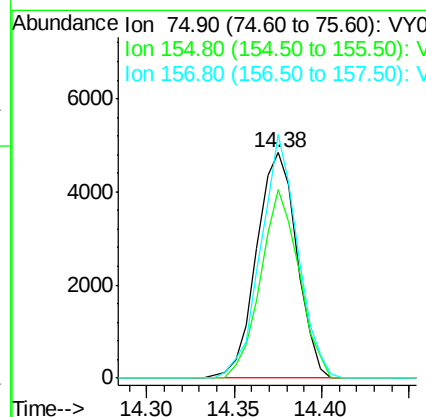
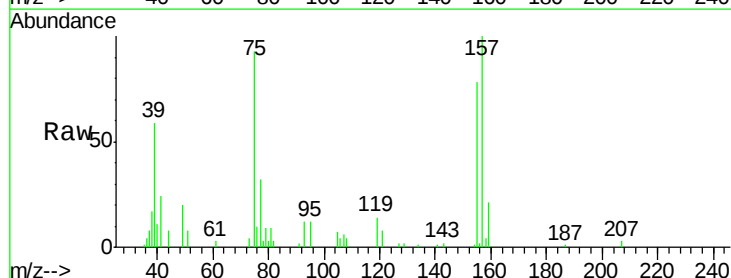
Manual Integrations
 APPROVED

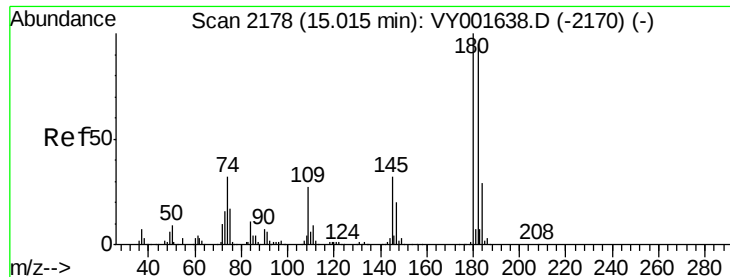
MMDadoda
 2/24/2020 11:09:37 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.372 ug/l
 RT: 14.38 min Scan# 2073
 Delta R.T. 0.01 min
 Lab File: VY001734.D
 Acq: 21 Feb 2020 12:08

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.8	40.8	122.4
157	99.4	52.1	156.4





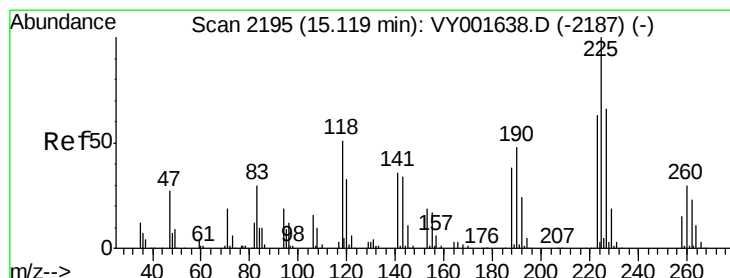
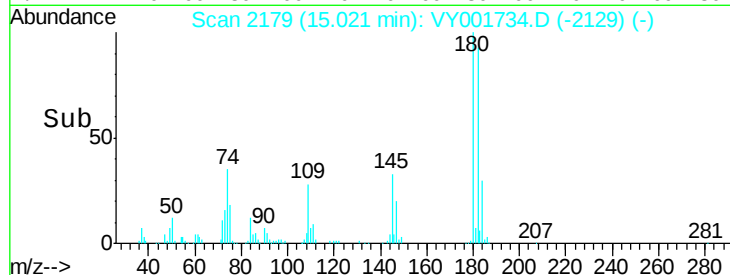
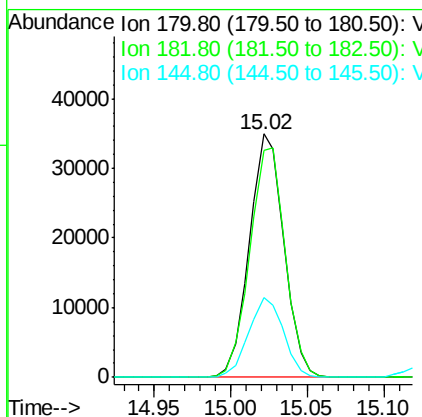
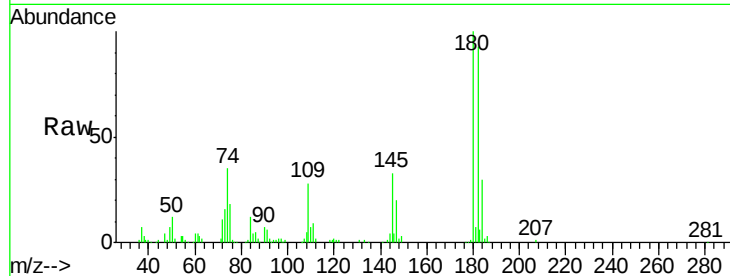
#93
 1,2,4-Trichlorobenzene
 Concen: 18.801 ug/l
 RT: 15.02 min Scan# 2179
 Delta R.T. 0.01 min
 Lab File: VY001734.D
 Acq: 21 Feb 2020 12:08

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0221SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	54817		
182	96.7	46.8	140.3	
145	33.1	16.2	48.5	

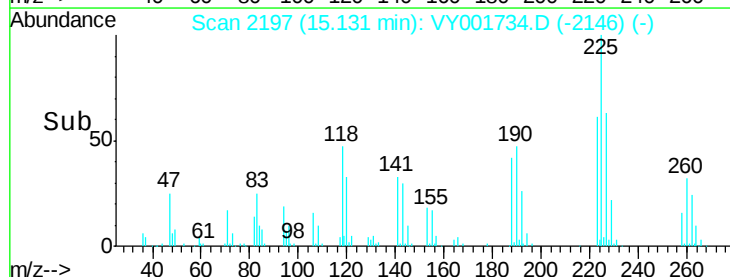
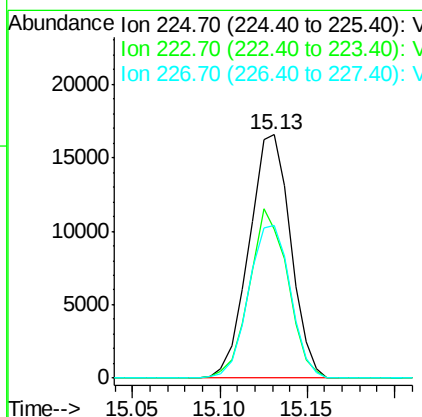
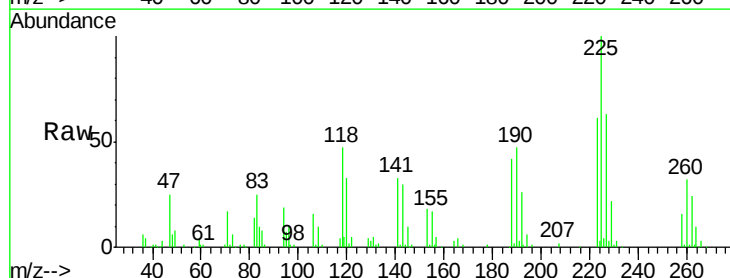
Manual Integrations
 APPROVED

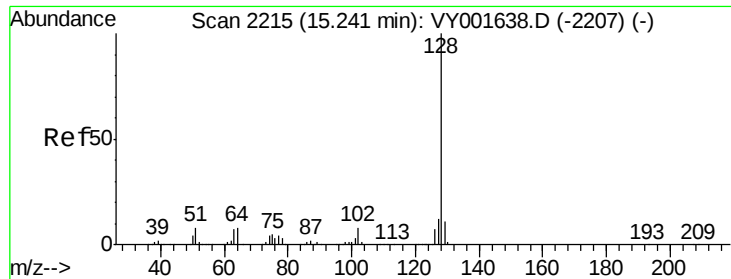
MMDadoda
 2/24/2020 11:09:37 AM



#94
 Hexachlorobutadiene
 Concen: 18.894 ug/l
 RT: 15.13 min Scan# 2197
 Delta R.T. 0.01 min
 Lab File: VY001734.D
 Acq: 21 Feb 2020 12:08

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	27396		
223	64.2	31.4	94.0	
227	62.8	31.6	94.8	





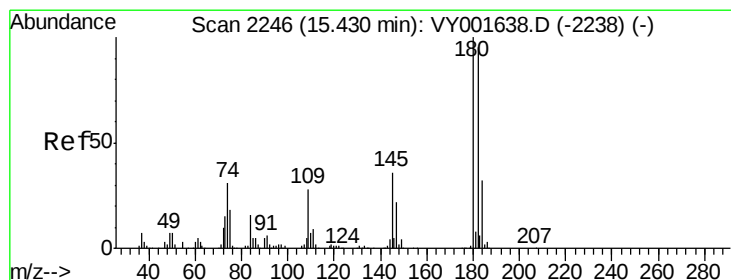
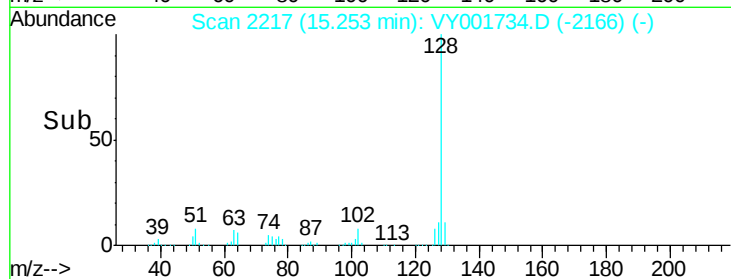
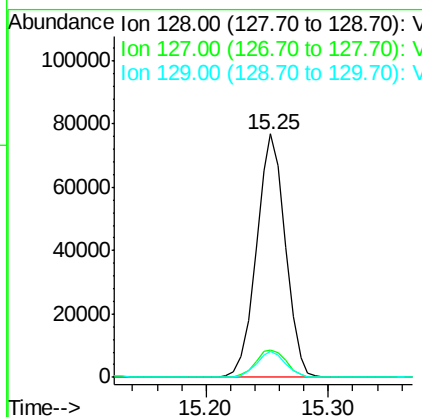
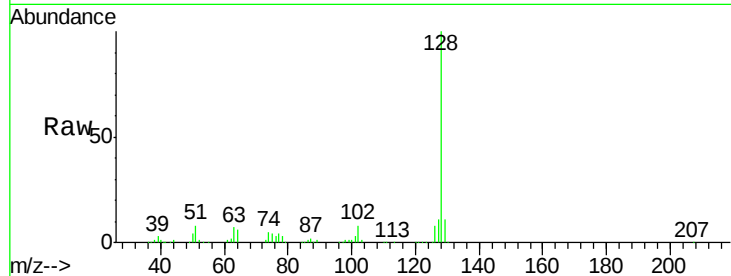
#95
Naphthalene
Concen: 18.738 ug/l
RT: 15.25 min Scan# 2217
Delta R.T. 0.01 min
Lab File: VY001734.D
Acq: 21 Feb 2020 12:08

Instrument :
MSVOA_Y
ClientSampleId :
VY0221SBS01

Tot Ion	Ratio	Resp Lower	Upper
128	100		
127	12.0	9.9	14.9
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
2/24/2020 11:09:37 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.133 ug/l
RT: 15.44 min Scan# 2248
Delta R.T. 0.01 min
Lab File: VY001734.D
Acq: 21 Feb 2020 12:08

Tgt Ion	Ratio	Resp Lower	Upper
180	100		
182	92.1	47.2	141.6
145	33.7	17.3	52.0

