

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY030320\
 Data File : VY001827.D
 Acq On : 03 Mar 2020 12:26
 Operator : SY/MD
 Sample : VY0303SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0303SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/4/2020 2:01:58 PM

Quant Time: Mar 04 04:05:38 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	7.81	168	181117	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	327615	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	294380	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	139202	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	93542	48.02	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	96.04%	
35) Dibromofluoromethane	7.74	113	85988	45.83	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	91.66%	
50) Toluene-d8	10.19	98	352512	47.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.90%	
62) 4-Bromofluorobenzene	12.49	95	125425	43.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	30846	17.472	ug/l	99
3) Chloromethane	2.12	50	42731	17.995	ug/l	96
4) Vinyl Chloride	2.26	62	43570	18.191	ug/l	100
5) Bromomethane	2.65	94	29747	19.872	ug/l	96
6) Chloroethane	2.80	64	27953	18.939	ug/l	99
7) Trichlorofluoromethane	3.13	101	64797	21.138	ug/l	99
8) Diethyl Ether	3.55	74	25449	21.059	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.91	101	40706	21.127	ug/l	99
10) Methyl Iodide	4.10	142	43175	18.309	ug/l	99
11) Tert butyl alcohol	4.97	59	27369	106.755	ug/l	97
12) 1,1-Dichloroethene	3.89	96	40072	20.391	ug/l	93
13) Acrolein	3.74	56	14205	72.196	ug/l	96
14) Allyl chloride	4.50	41	74060	21.176	ug/l	98
15) Acrylonitrile	5.19	53	68304	110.270	ug/l	99
16) Acetone	3.96	43	62123	92.158	ug/l	99
17) Carbon Disulfide	4.21	76	120287	18.334	ug/l	99
18) Methyl Acetate	4.50	43	35994	24.519	ug/l	99
19) Methyl tert-butyl Ether	5.24	73	115531	21.116	ug/l	99
20) Methylene Chloride	4.73	84	62597	26.143	ug/l	97
21) trans-1,2-Dichloroethene	5.24	96	44782	19.973	ug/l	94
22) Diisopropyl ether	6.13	45	153477	21.369	ug/l	94
23) Vinyl Acetate	6.08	43	483108	103.118	ug/l	99
24) 1,1-Dichloroethane	6.04	63	82286	21.435	ug/l	98
25) 2-Butanone	7.00	43	93098	101.666	ug/l	99
26) 2,2-Dichloropropane	7.00	77	68162	20.409	ug/l	100
27) cis-1,2-Dichloroethene	7.00	96	52475	21.203	ug/l	99
28) Bromochloromethane	7.35	49	32461	20.299	ug/l	98
29) Tetrahydrofuran	7.37	42	59281	107.105	ug/l	98
30) Chloroform	7.52	83	77349	20.621	ug/l	98
31) Cyclohexane	7.80	56	82412	20.135	ug/l	97
32) 1,1,1-Trichloroethane	7.72	97	65668	20.830	ug/l	99
36) 1,1-Dichloropropene	7.93	75	63998	20.451	ug/l	99
37) Ethyl Acetate	7.09	43	39442	21.117	ug/l	98
38) Carbon Tetrachloride	7.91	117	55825	20.310	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY030320\
 Data File : VY001827.D
 Acq On : 03 Mar 2020 12:26
 Operator : SY/MD
 Sample : VY0303SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0303SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/4/2020 2:01:58 PM

Quant Time: Mar 04 04:05:38 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	9.19	83	81134	19.543	ug/l	94
40) Benzene	8.17	78	190041	20.649	ug/l	99
41) Methacrylonitrile	7.34	41	24816m	26.461	ug/l	
42) 1,2-Dichloroethane	8.25	62	51172	20.409	ug/l	99
43) Isopropyl Acetate	8.28	43	74248	20.951	ug/l	99
44) Trichloroethene	8.96	130	46919	20.422	ug/l	88
45) 1,2-Dichloropropane	9.23	63	48820	21.181	ug/l	99
46) Dibromomethane	9.31	93	25355	21.031	ug/l	99
47) Bromodichloromethane	9.50	83	60045	20.637	ug/l	98
48) Methyl methacrylate	9.30	41	32523	20.292	ug/l	98
49) 1,4-Dioxane	9.31	88	7070	415.210	ug/l	91
51) 4-Methyl-2-Pentanone	10.08	43	193105	106.056	ug/l	99
52) Toluene	10.25	92	118027	20.559	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	65542	20.376	ug/l	96
54) cis-1,3-Dichloropropene	9.94	75	77710	20.991	ug/l	97
55) 1,1,2-Trichloroethane	10.66	97	38141	21.456	ug/l	97
56) Ethyl methacrylate	10.52	69	54965	20.611	ug/l	99
57) 1,3-Dichloropropane	10.80	76	66163	20.947	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.79	63	142595	133.250	ug/l	97
59) 2-Hexanone	10.84	43	138173	101.140	ug/l	98
60) Dibromochloromethane	10.99	129	38916	19.856	ug/l	99
61) 1,2-Dibromoethane	11.10	107	35039	20.846	ug/l	98
64) Tetrachloroethene	10.73	164	38063	20.597	ug/l	97
65) Chlorobenzene	11.52	112	120798	20.553	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.60	131	40147	20.250	ug/l	98
67) Ethyl Benzene	11.60	91	225606	20.685	ug/l	99
68) m/p-Xylenes	11.71	106	167869	41.203	ug/l	100
69) o-Xylene	12.03	106	80467	20.775	ug/l	99
70) Styrene	12.05	104	139313	20.696	ug/l	99
71) Bromoform	12.22	173	22919	20.228	ug/l #	96
73) Isopropylbenzene	12.34	105	217028	20.465	ug/l	99
74) N-amyl acetate	12.15	43	68986	20.383	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.59	83	46754	20.648	ug/l	98
76) 1,2,3-Trichloropropane	12.64	75	35133m	22.002	ug/l	
77) Bromobenzene	12.61	156	47252	20.554	ug/l	96
78) n-propylbenzene	12.68	91	267084	20.679	ug/l	100
79) 2-Chlorotoluene	12.77	91	148173	20.455	ug/l	98
80) 1,3,5-Trimethylbenzene	12.82	105	180440	20.555	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	16824	19.988	ug/l	95
82) 4-Chlorotoluene	12.86	91	155953	20.413	ug/l	99
83) tert-Butylbenzene	13.08	119	151336	20.613	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	180787	20.657	ug/l	100
85) sec-Butylbenzene	13.26	105	222710	20.625	ug/l	100
86) p-Isopropyltoluene	13.38	119	196701	20.969	ug/l	98
87) 1,3-Dichlorobenzene	13.38	146	91368	20.493	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	93137	20.666	ug/l	99
89) n-Butylbenzene	13.70	91	201413	21.013	ug/l	99
90) Hexachloroethane	13.97	117	36622	20.721	ug/l	98
91) 1,2-Dichlorobenzene	13.75	146	84881	20.630	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	7257	19.420	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY030320\
Data File : VY001827.D
Acq On : 03 Mar 2020 12:26
Operator : SY/MD
Sample : VY0303SBS01
Misc : 5.00G/5ML/MSVOA Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0303SBS01

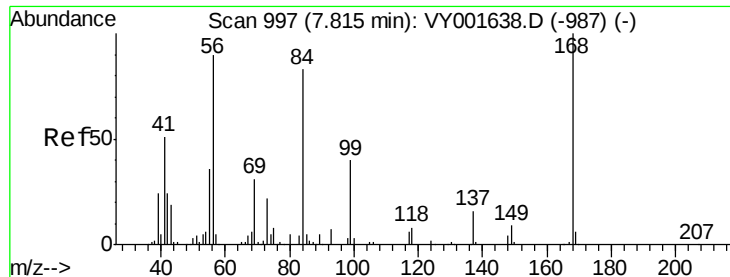
Manual Integrations
APPROVED

MMDadoda
3/4/2020 2:01:58 PM

Quant Time: Mar 04 04:05:38 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	55464	20.342	ug/l	99
94) Hexachlorobutadiene	15.12	225	26754	19.730	ug/l	97
95) Naphthalene	15.25	128	128926	20.507	ug/l	100
96) 1,2,3-Trichlorobenzene	15.44	180	49790	20.756	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.01 min

Lab File: VY001827.D

Acq: 03 Mar 2020 12:26

Instrument :

MSVOA_Y

ClientSampleId :

VY0303SBS01

Tot Ion:168 Resp: 181117

Ion Ratio Lower Upper

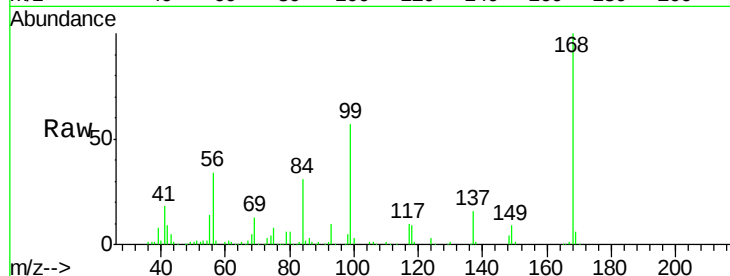
168 100

99 56.9 47.5 71.3

Manual Integrations
APPROVED

MMDadoda

3/4/2020 2:01:58 PM



Abundance Ion 167.90 (167.60 to 168.60): VY001638.D (-987) (-)

Ion 98.90 (98.60 to 99.60): VY001638.D (-987) (-)

7.81

80000

60000

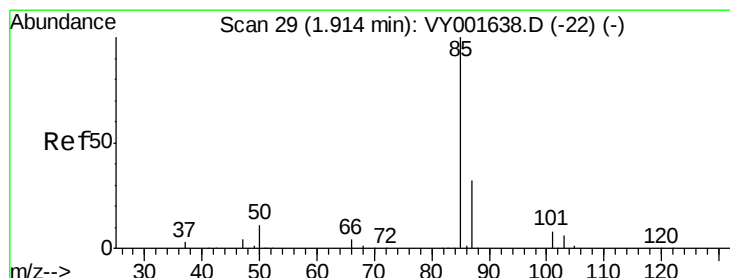
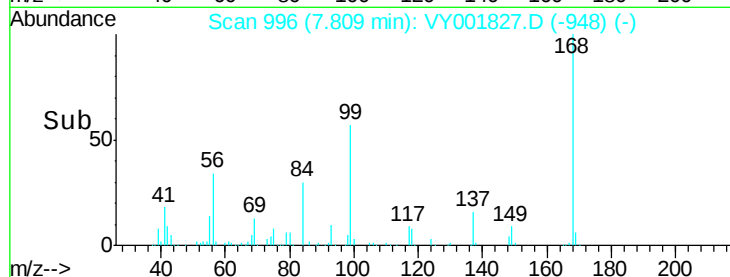
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 17.472 ug/l

RT: 1.91 min Scan# 28

Delta R.T. -0.01 min

Lab File: VY001827.D

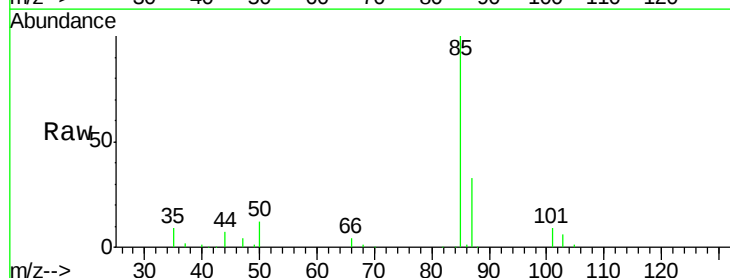
Acq: 03 Mar 2020 12:26

Tgt Ion: 85 Resp: 30846

Ion Ratio Lower Upper

85 100

87 33.0 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VY001638.D (-22) (-)

Ion 86.90 (86.60 to 87.60): VY001638.D (-22) (-)

1.91

25000

20000

15000

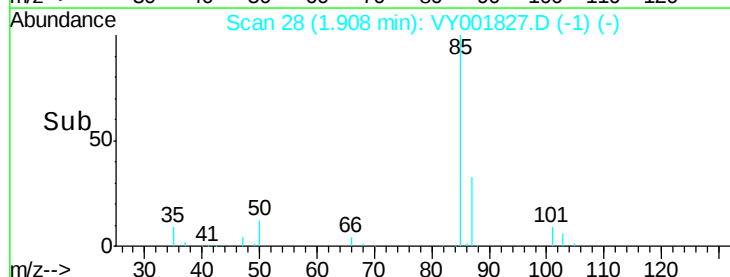
10000

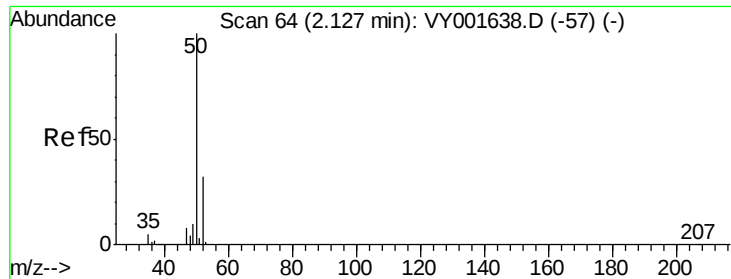
5000

0

1.85 1.90 1.95 2.00

Time-->





#3

Chloromethane

Concen: 17.995 ug/l

RT: 2.12 min Scan# 63

Delta R.T. -0.01 min

Lab File: VY001827.D

Acq: 03 Mar 2020 12:26

Instrument :

MSVOA_Y

ClientSampleId :

VY0303SBS01

Tot Ion: 50 Resp: 42731

Ion Ratio Lower Upper

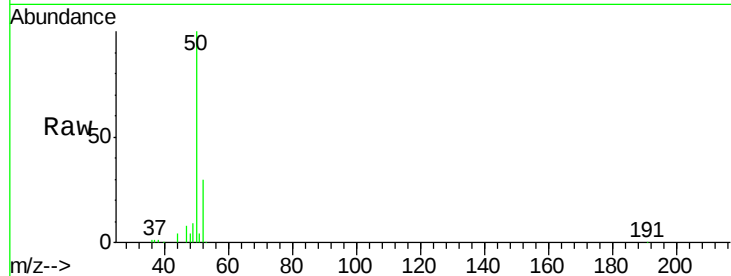
50 100

52 30.0 25.8 38.6

Manual Integrations
APPROVED

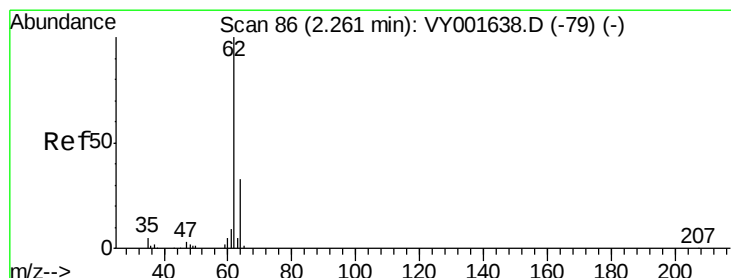
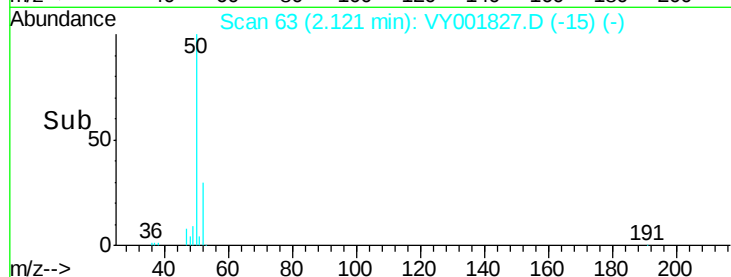
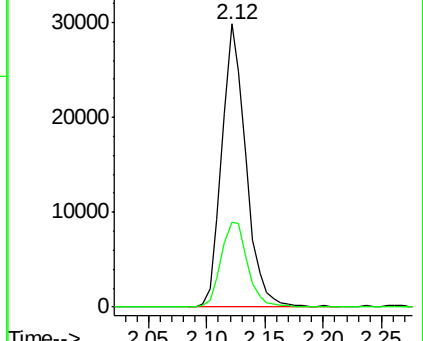
MMDadoda

3/4/2020 2:01:58 PM



Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 18.191 ug/l

RT: 2.26 min Scan# 86

Delta R.T. -0.00 min

Lab File: VY001827.D

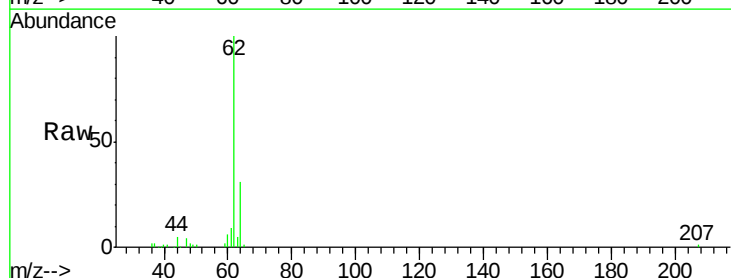
Acq: 03 Mar 2020 12:26

Tgt Ion: 62 Resp: 43570

Ion Ratio Lower Upper

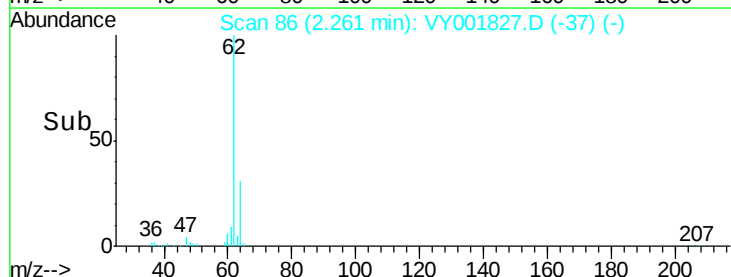
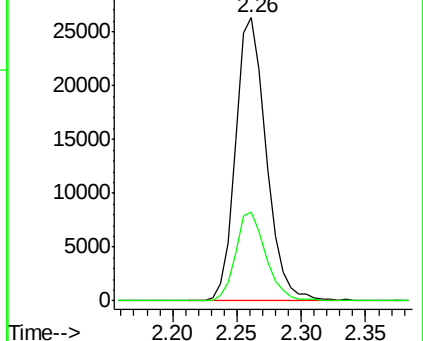
62 100

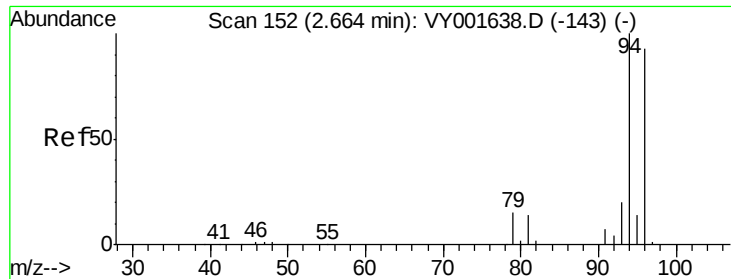
64 31.3 24.9 37.3



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 19.872 ug/l

RT: 2.65 min Scan# 150

Delta R.T. -0.01 min

Lab File: VY001827.D

Acq: 03 Mar 2020 12:26

Instrument :

MSVOA_Y

ClientSampleId :

VY0303SBS01

Tot Ion: 94 Resp: 29747

Ion Ratio Lower Upper

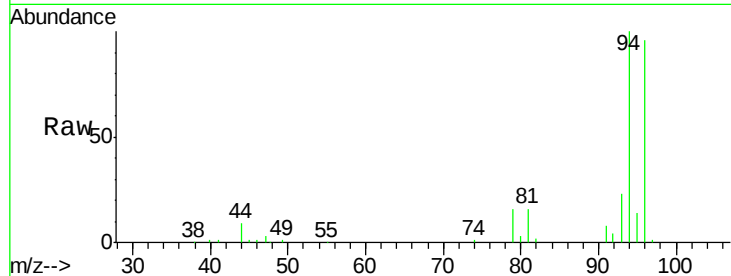
94 100

96 95.8 73.7 110.5

Manual Integrations
APPROVED

MMDadoda

3/4/2020 2:01:58 PM



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0

15000

10000

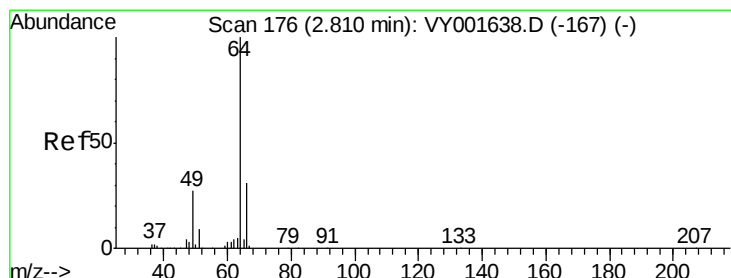
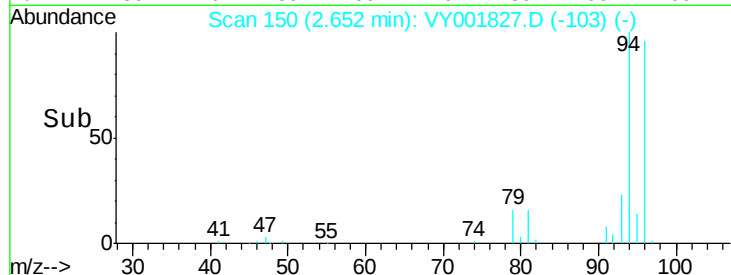
5000

0

2.65

2.60 2.70 2.80

Time-->



#6

Chloroethane

Concen: 18.939 ug/l

RT: 2.80 min Scan# 175

Delta R.T. -0.01 min

Lab File: VY001827.D

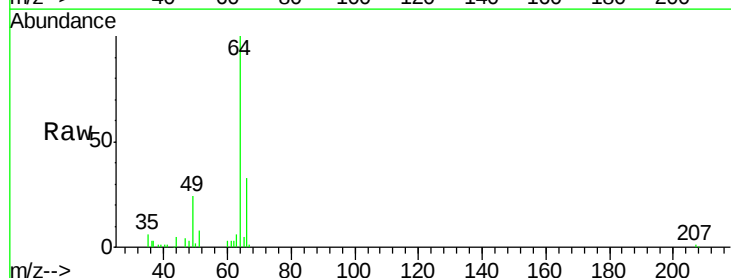
Acq: 03 Mar 2020 12:26

Tgt Ion: 64 Resp: 27953

Ion Ratio Lower Upper

64 100

66 32.5 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0

15000

10000

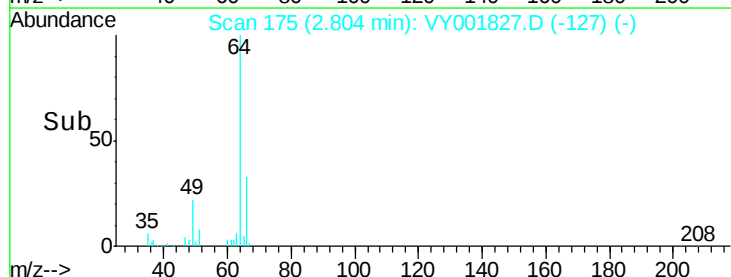
5000

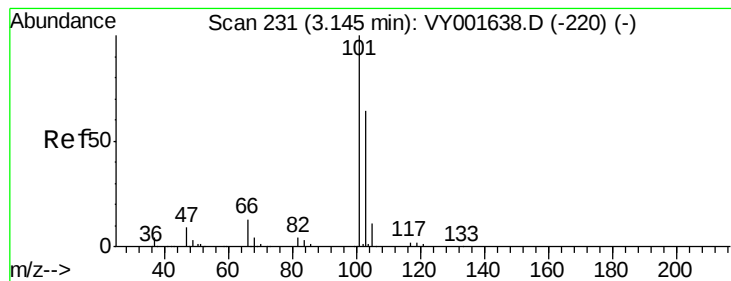
0

2.80

2.70 2.80 2.90

Time-->





#7

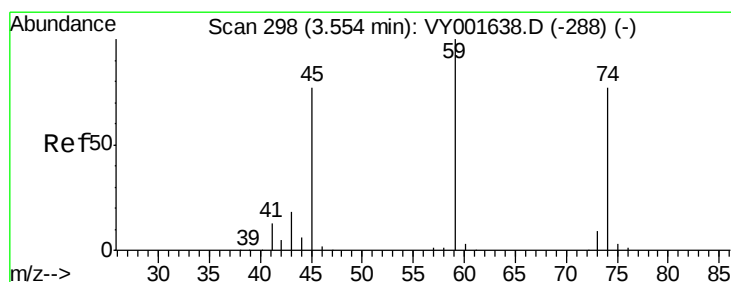
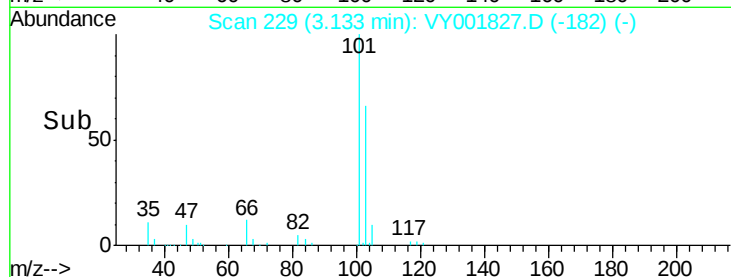
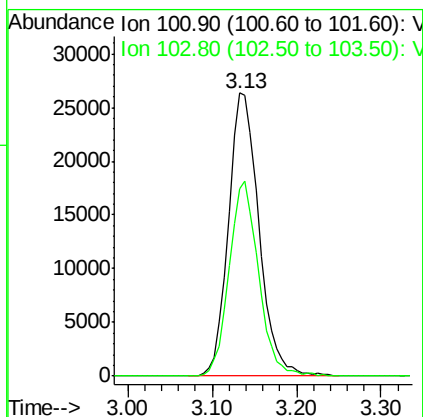
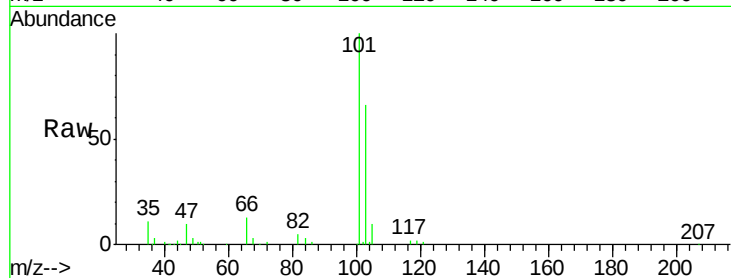
Trichlorofluoromethane
Concen: 21.138 ug/l
RT: 3.13 min Scan# 229
Delta R.T. -0.01 min
Lab File: VY001827.D
Acq: 03 Mar 2020 12:26

Instrument :
MSVOA_Y
ClientSampleId :
VY0303SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.0	52.2	78.2

Manual Integrations
APPROVED

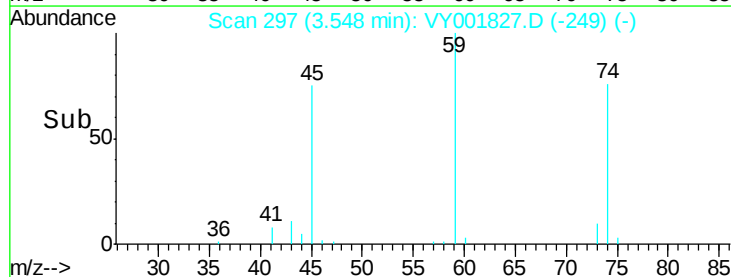
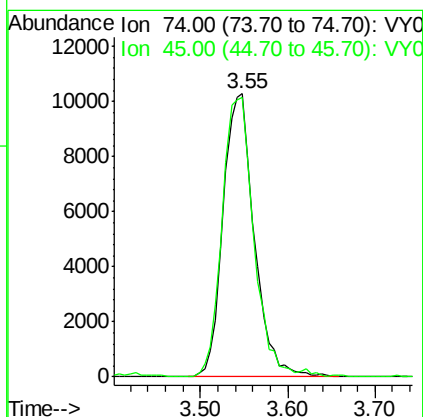
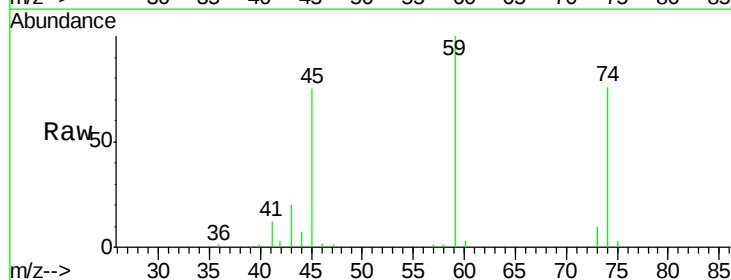
MMDadoda
3/4/2020 2:01:58 PM

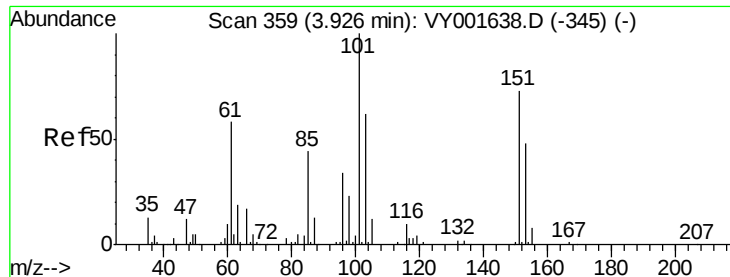


#8

Diethyl Ether
Concen: 21.059 ug/l
RT: 3.55 min Scan# 297
Delta R.T. -0.01 min
Lab File: VY001827.D
Acq: 03 Mar 2020 12:26

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.0	49.6	148.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.127 ug/l

RT: 3.91 min Scan# 357

Delta R.T. -0.01 min

Lab File: VY001827.D

Acq: 03 Mar 2020 12:26

Instrument :

MSVOA_Y

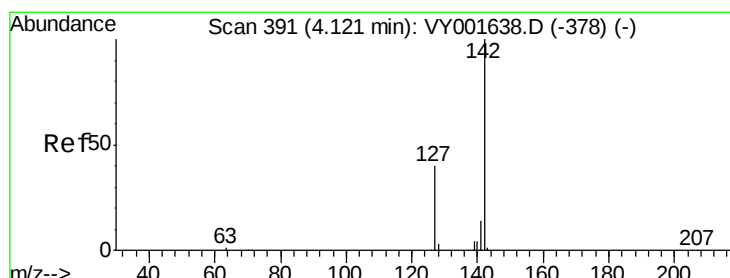
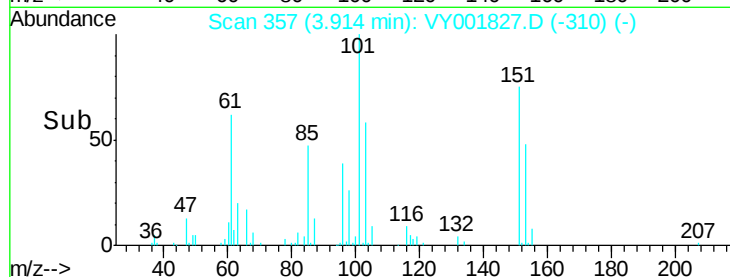
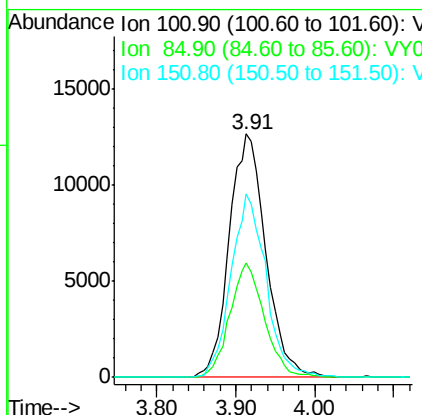
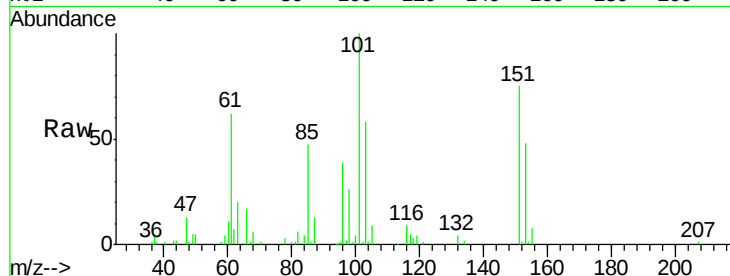
ClientSampleId :

VY0303SBS01

Tot Ion:	101	Resp:	40706
Ion Ratio	Lower	Upper	
101	100		
85	44.2	35.1	52.7
151	72.4	58.4	87.6

Manual Integrations
APPROVED

MMDadoda
3/4/2020 2:01:58 PM



#10

Methyl Iodide

Concen: 18.309 ug/l

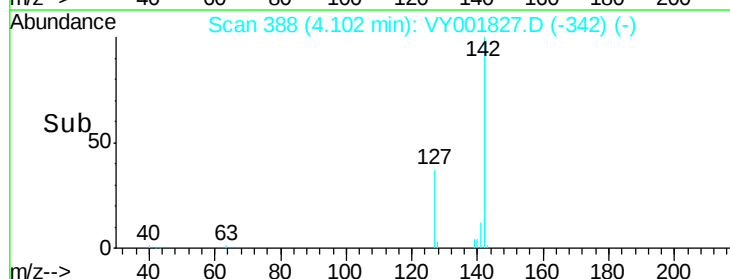
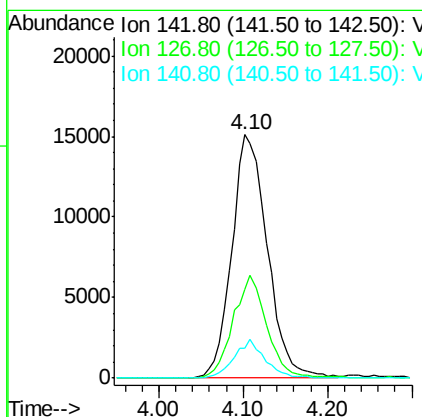
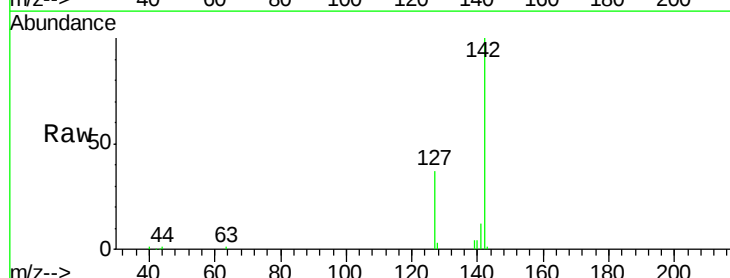
RT: 4.10 min Scan# 388

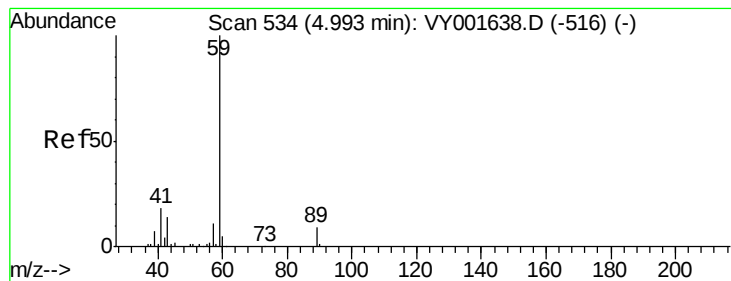
Delta R.T. -0.02 min

Lab File: VY001827.D

Acq: 03 Mar 2020 12:26

Tgt Ion:	142	Resp:	43175
Ion Ratio	Lower	Upper	
142	100		
127	39.8	32.1	48.1
141	13.6	11.3	16.9





#11

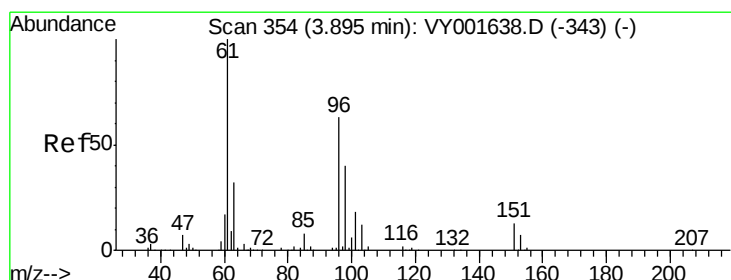
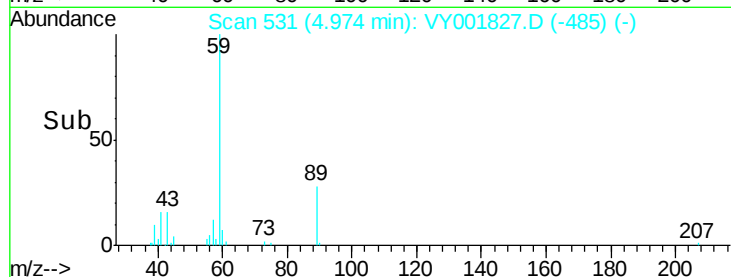
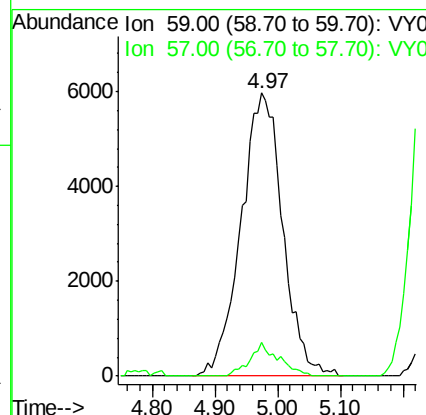
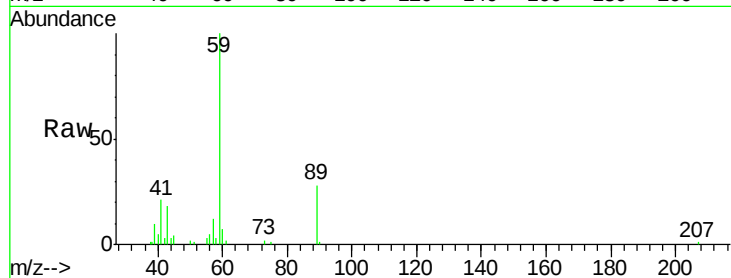
Tert butyl alcohol
 Concen: 106.755 ug/l
 RT: 4.97 min Scan# 531
 Delta R.T. -0.02 min
 Lab File: VY001827.D
 Acq: 03 Mar 2020 12:26

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0303SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.2	7.4	11.2

Manual Integrations
 APPROVED

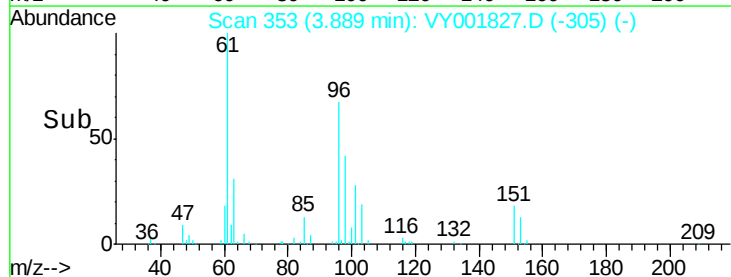
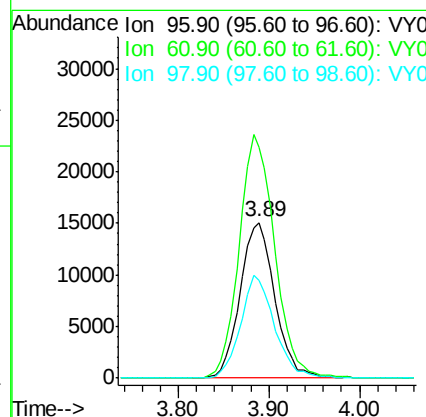
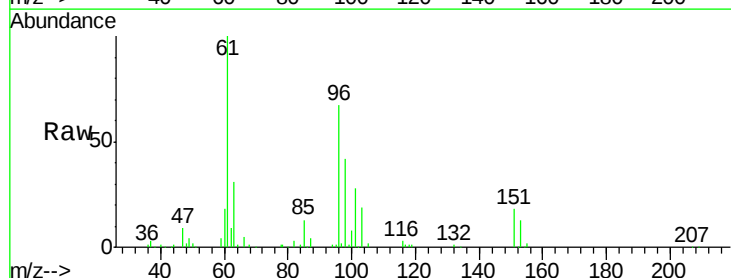
MMDadoda
 3/4/2020 2:01:58 PM

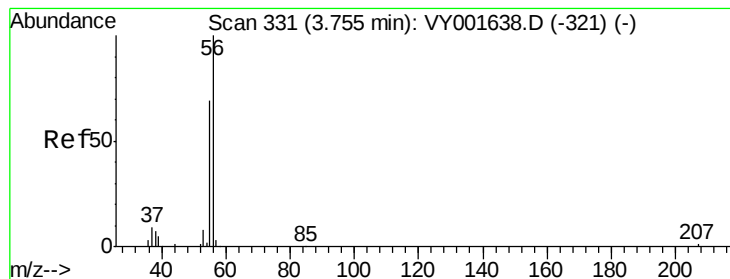


#12

1,1-Dichloroethene
 Concen: 20.391 ug/l
 RT: 3.89 min Scan# 353
 Delta R.T. -0.01 min
 Lab File: VY001827.D
 Acq: 03 Mar 2020 12:26

Tgt Ion	Ratio	Lower	Upper
96	100		
61	148.3	128.7	193.1
98	63.0	50.7	76.1





#13

Acrolein

Concen: 72.196 ug/l

RT: 3.74 min Scan# 329

Delta R.T. -0.01 min

Lab File: VY001827.D

Acq: 03 Mar 2020 12:26

Instrument :

MSVOA_Y

ClientSampleId :

VY0303SBS01

Tot Ion: 56 Resp: 14205

Ion Ratio Lower Upper

56 100

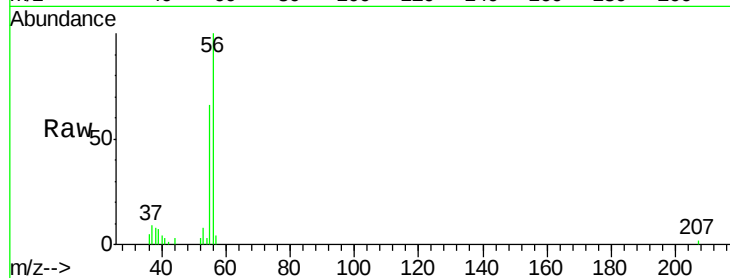
55 73.1 56.1 84.1

Manual Integrations

APPROVED

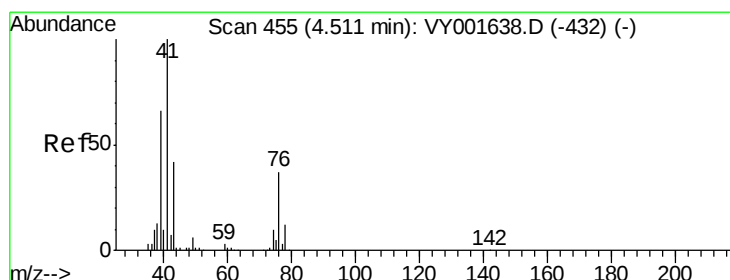
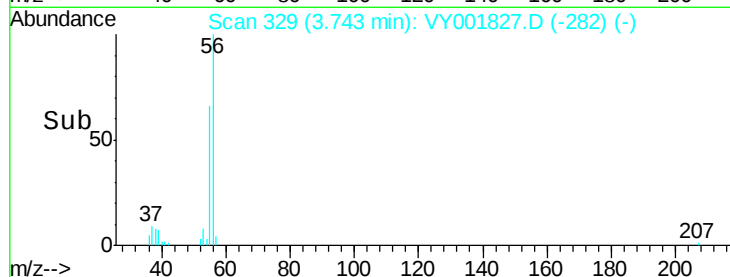
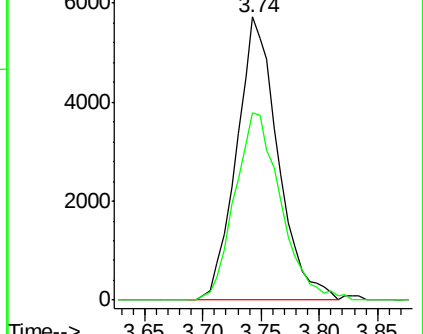
MMDadoda

3/4/2020 2:01:58 PM



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0



#14

Allyl chloride

Concen: 21.176 ug/l

RT: 4.50 min Scan# 453

Delta R.T. -0.01 min

Lab File: VY001827.D

Acq: 03 Mar 2020 12:26

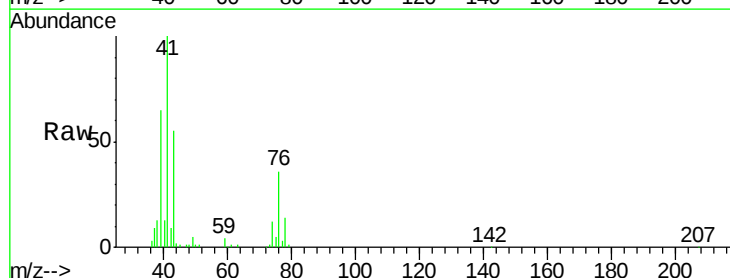
Tgt Ion: 41 Resp: 74060

Ion Ratio Lower Upper

41 100

39 60.5 49.4 74.0

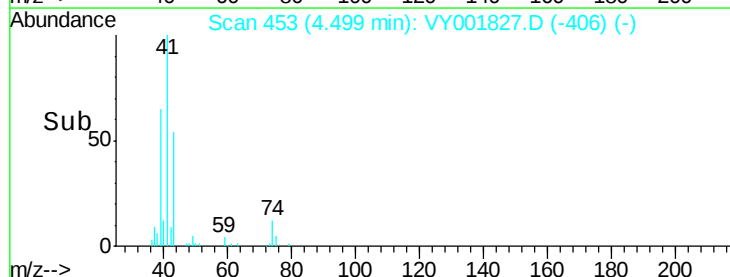
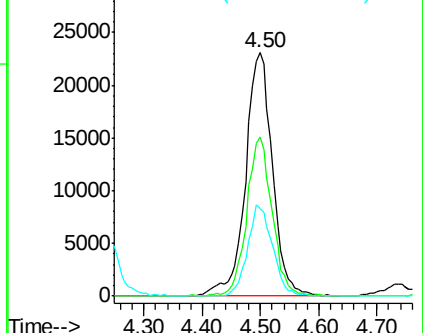
76 34.5 29.0 43.6

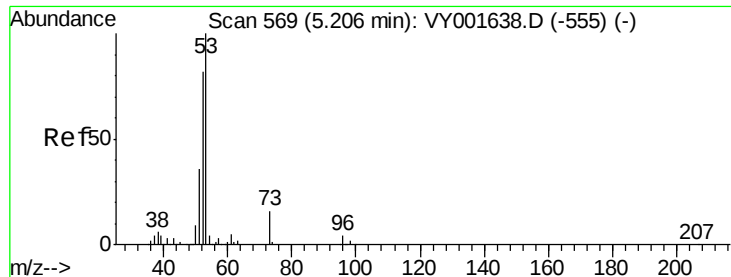


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 75.90 (75.60 to 76.60): VY0





#15

Acrylonitrile

Concen: 110.270 ug/l

RT: 5.19 min Scan# 566

Delta R.T. -0.02 min

Lab File: VY001827.D

Acq: 03 Mar 2020 12:26

Instrument :

MSVOA_Y

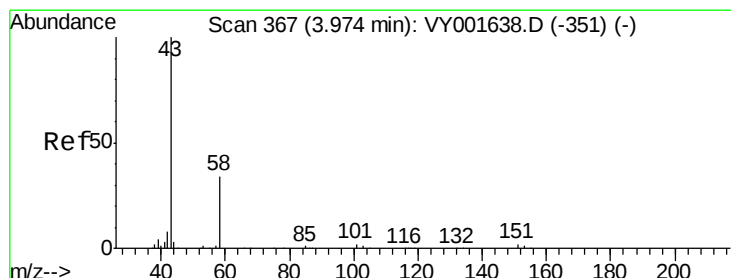
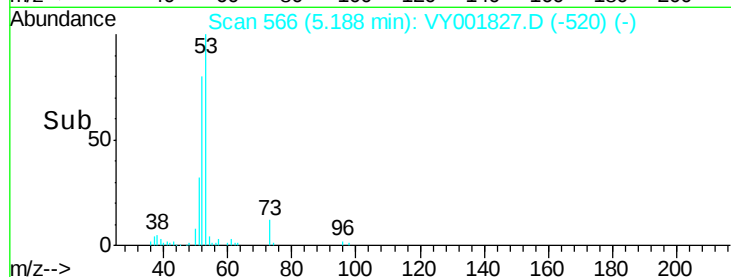
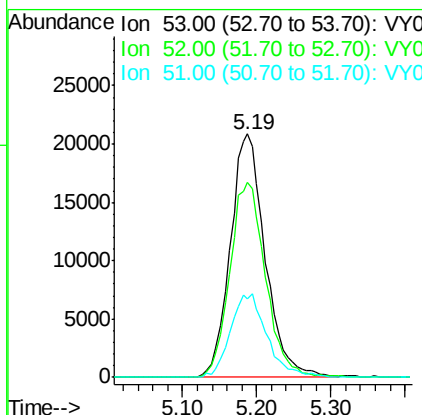
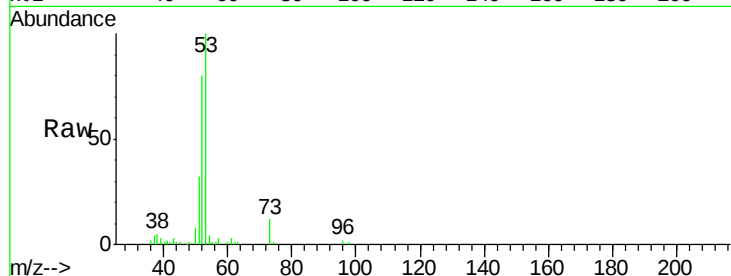
ClientSampleId :

VY0303SBS01

Tot Ion:	53	Resp:	68304
Ion	Ratio	Lower	Upper
53	100		
52	82.1	65.4	98.0
51	35.8	28.0	42.0

Manual Integrations
APPROVED

MMDadoda
3/4/2020 2:01:58 PM



#16

Acetone

Concen: 92.158 ug/l

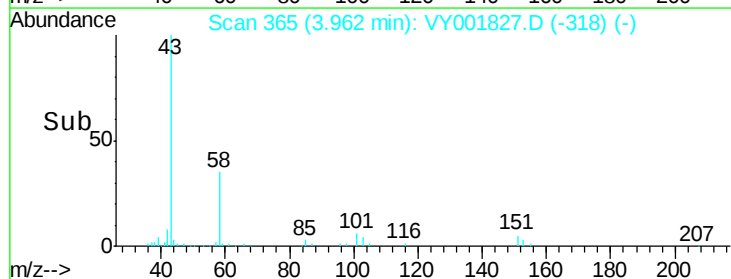
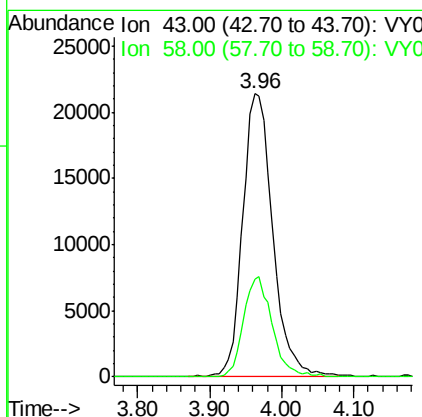
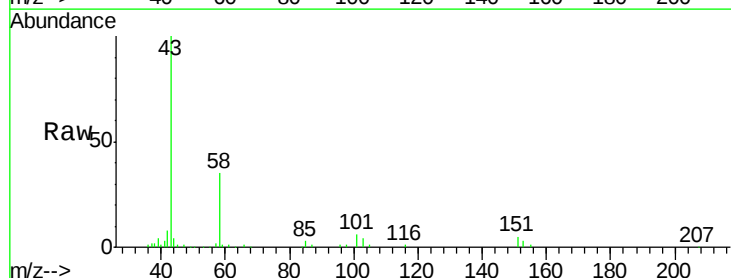
RT: 3.96 min Scan# 365

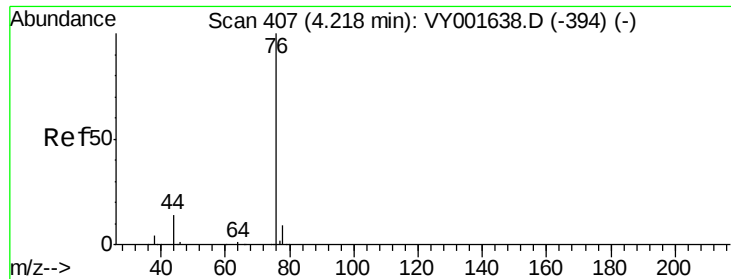
Delta R.T. -0.01 min

Lab File: VY001827.D

Acq: 03 Mar 2020 12:26

Tgt Ion:	43	Resp:	62123
Ion	Ratio	Lower	Upper
43	100		
58	34.8	27.3	40.9





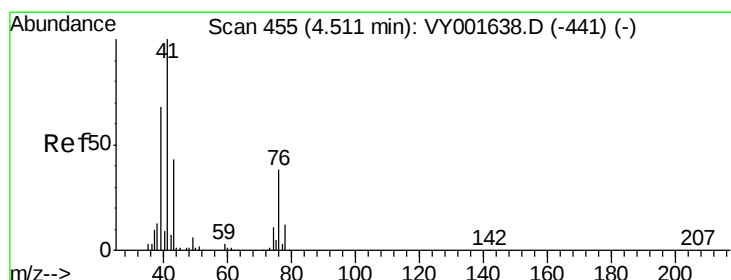
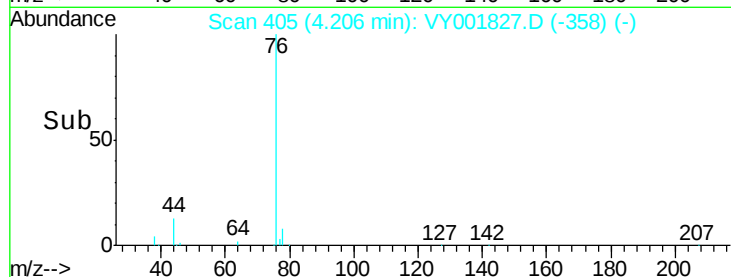
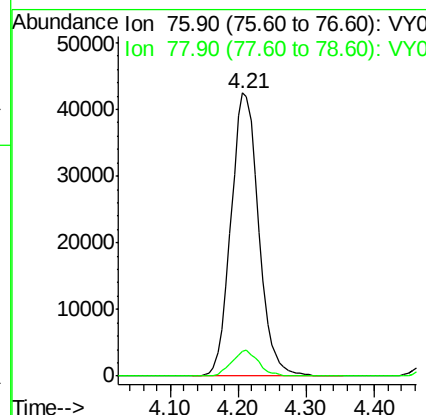
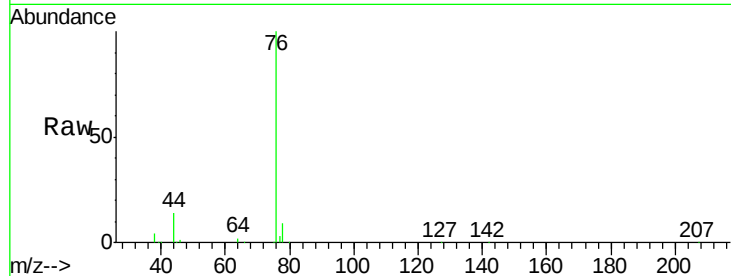
#17
Carbon Disulfide
Concen: 18.334 ug/l
RT: 4.21 min Scan# 405
Delta R.T. -0.01 min
Lab File: VY001827.D
Acq: 03 Mar 2020 12:26

Instrument :
MSVOA_Y
ClientSampleId :
VY0303SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.3	10.9

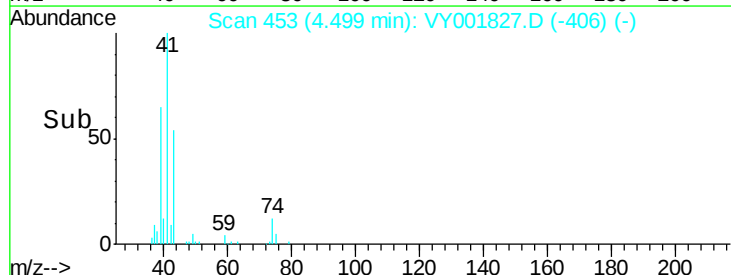
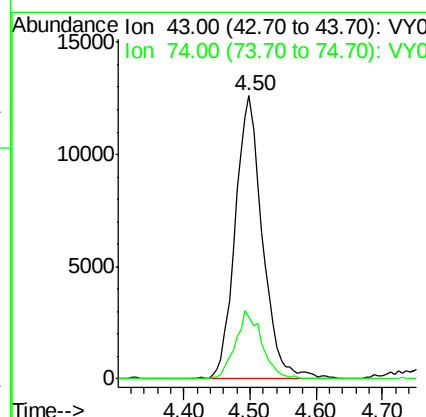
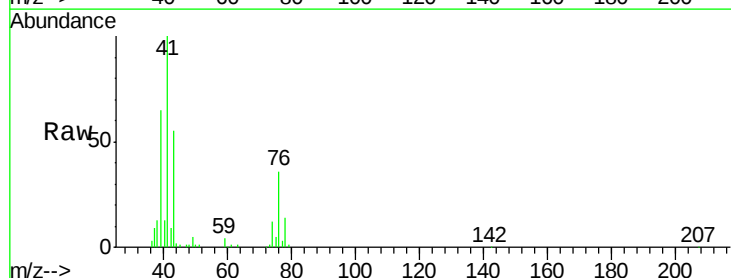
Manual Integrations
APPROVED

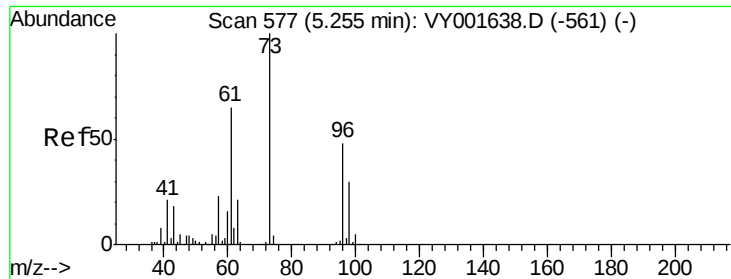
MMDadoda
3/4/2020 2:01:58 PM



#18
Methyl Acetate
Concen: 24.519 ug/l
RT: 4.50 min Scan# 453
Delta R.T. -0.01 min
Lab File: VY001827.D
Acq: 03 Mar 2020 12:26

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.4	19.1	28.7





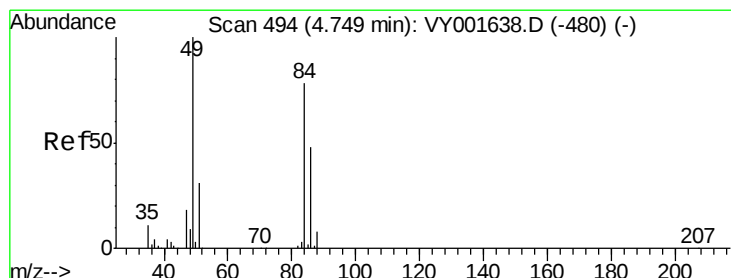
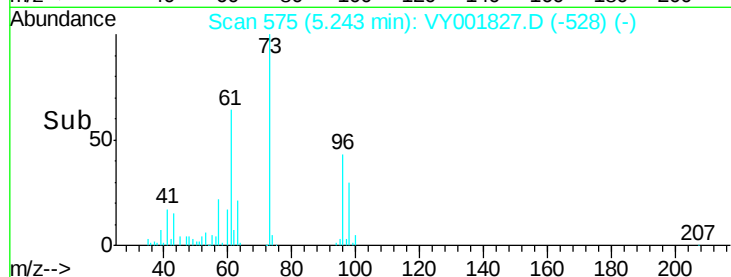
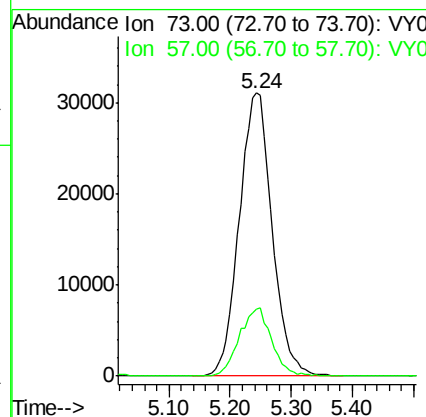
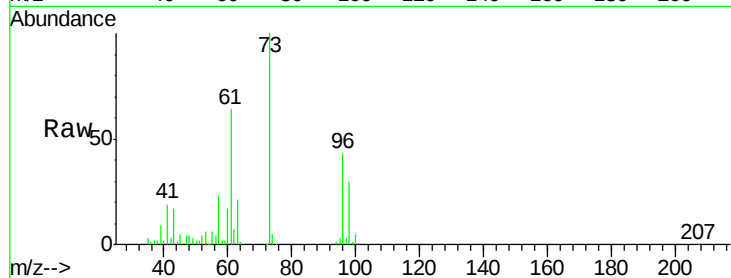
#19
Methvl tert-butvl Ether
Concen: 21.116 ug/l
RT: 5.24 min Scan# 575
Delta R.T. -0.01 min
Lab File: VY001827.D
Acq: 03 Mar 2020 12:26

Instrument :
MSVOA_Y
ClientSampleId :
VY0303SBS01

Tot Ion: 73 Resp: 115531
Ion Ratio Lower Upper
73 100
57 23.5 19.0 28.6

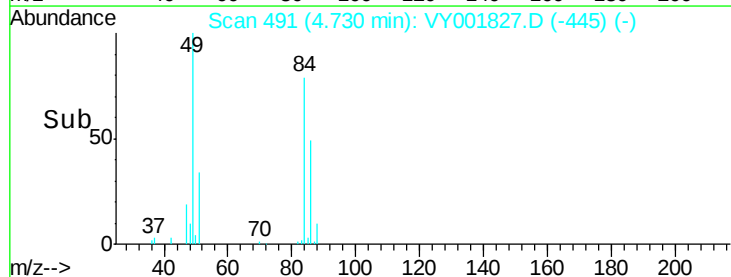
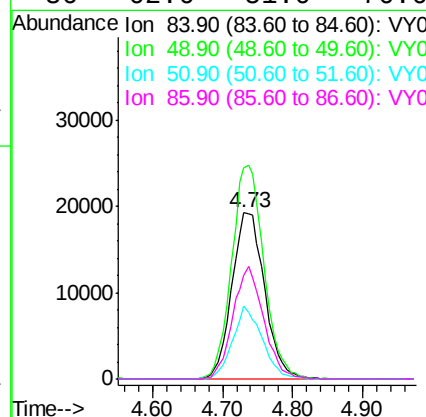
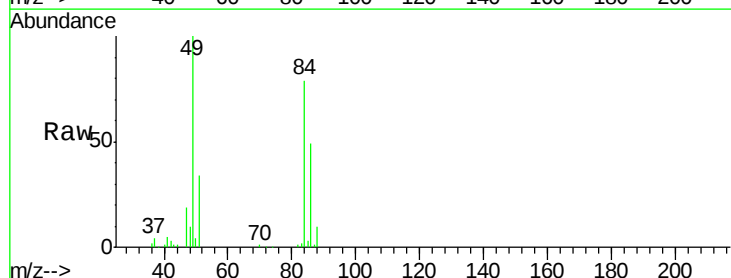
Manual Integrations
APPROVED

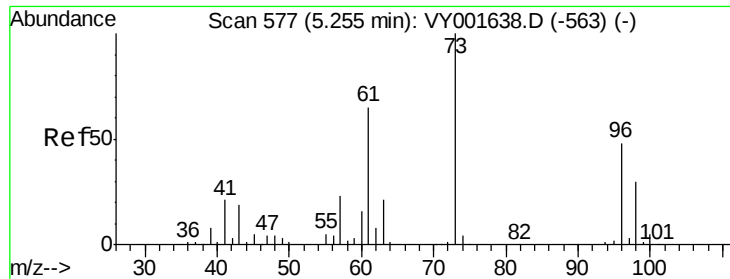
MMDadoda
3/4/2020 2:01:58 PM



#20
Methylene Chloride
Concen: 26.143 ug/l
RT: 4.73 min Scan# 491
Delta R.T. -0.02 min
Lab File: VY001827.D
Acq: 03 Mar 2020 12:26

Tgt Ion: 84 Resp: 62597
Ion Ratio Lower Upper
84 100
49 127.2 99.2 148.8
51 43.6 31.5 47.3
86 62.6 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 19.973 ug/l

RT: 5.24 min Scan# 574

Delta R.T. -0.02 min

Lab File: VY001827.D

Acq: 03 Mar 2020 12:26

Instrument :

MSVOA_Y

ClientSampleId :

VY0303SBS01

Tot Ion: 96 Resp: 44782

Ion Ratio Lower Upper

96 100

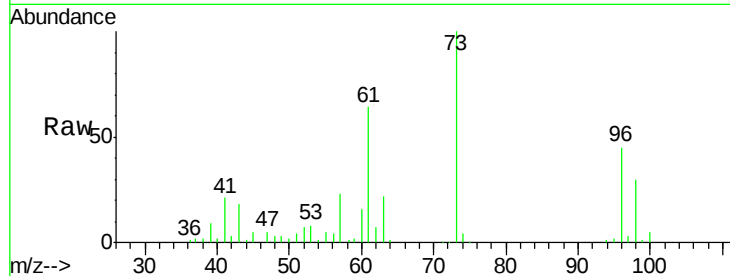
61 141.9 107.9 161.9

98 67.2 49.8 74.8

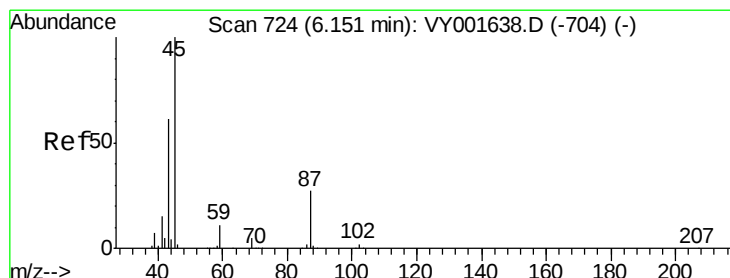
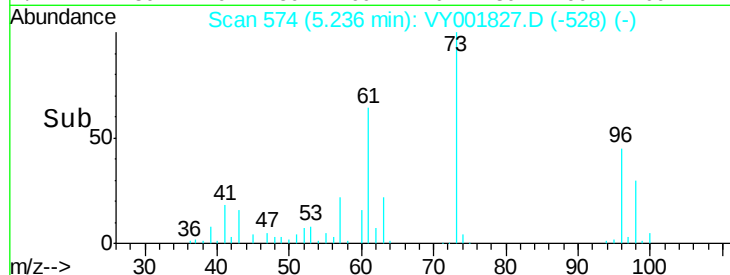
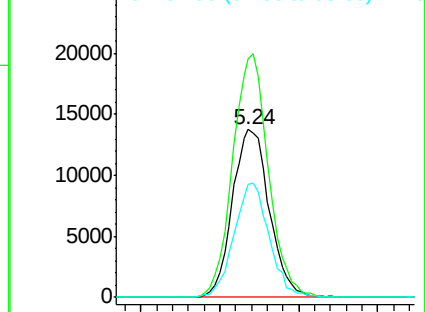
Manual Integrations
APPROVED

MMDadoda

3/4/2020 2:01:58 PM



Abundance Ion 95.90 (95.60 to 96.60): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 97.90 (97.60 to 98.60): VY0



#22

Diisopropyl ether

Concen: 21.369 ug/l

RT: 6.13 min Scan# 721

Delta R.T. -0.02 min

Lab File: VY001827.D

Acq: 03 Mar 2020 12:26

Tgt Ion: 45 Resp: 153477

Ion Ratio Lower Upper

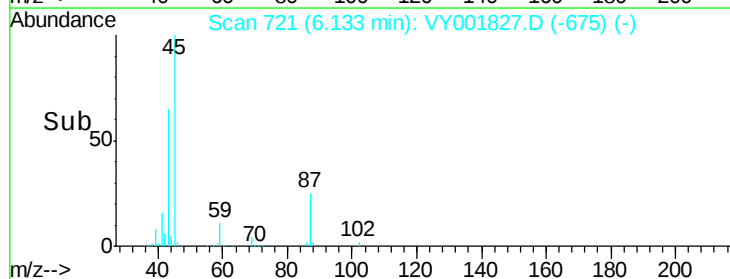
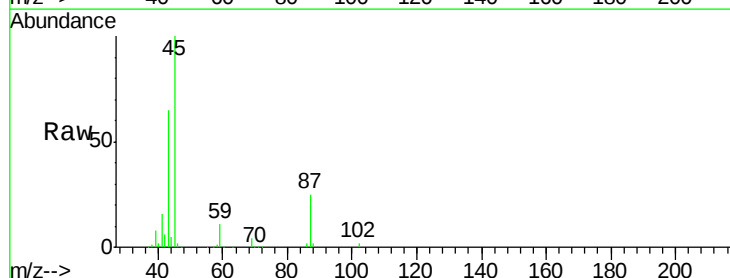
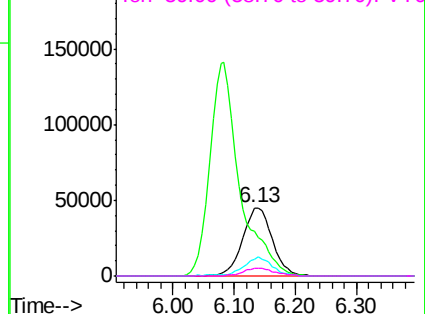
45 100

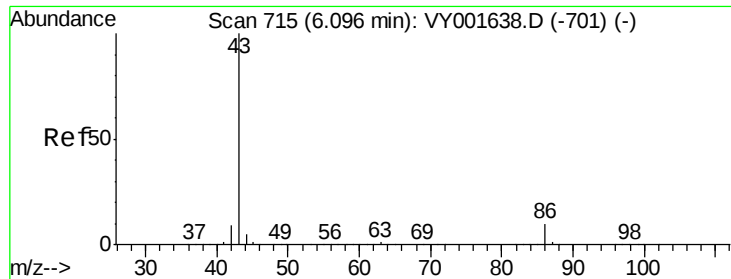
43 64.2 46.4 69.6

87 25.2 22.1 33.1

59 11.5 9.4 14.0

Abundance Ion 45.00 (44.70 to 45.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 87.00 (86.70 to 87.70): VY0
Ion 59.00 (58.70 to 59.70): VY0





#23

Vinyl Acetate

Concen: 103.118 ug/l

RT: 6.08 min Scan# 713

Delta R.T. -0.01 min

Lab File: VY001827.D

Acq: 03 Mar 2020 12:26

Instrument :

MSVOA_Y

ClientSampleId :

VY0303SBS01

Tot Ion: 43 Resp: 483108

Ion Ratio Lower Upper

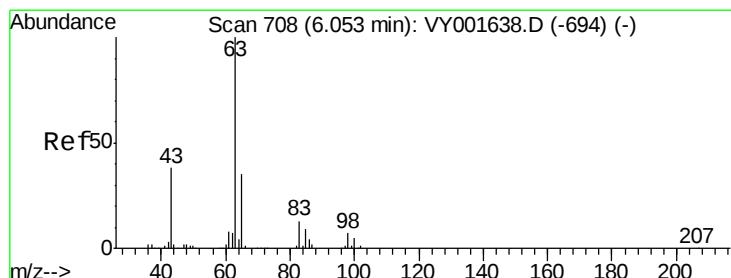
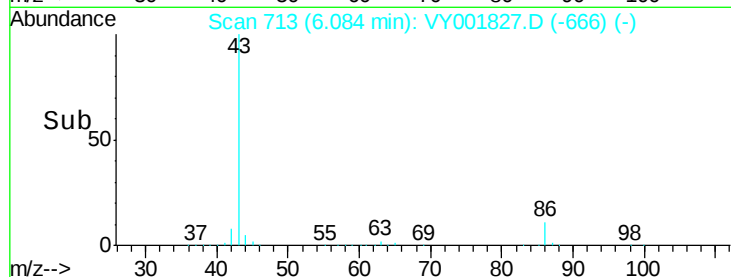
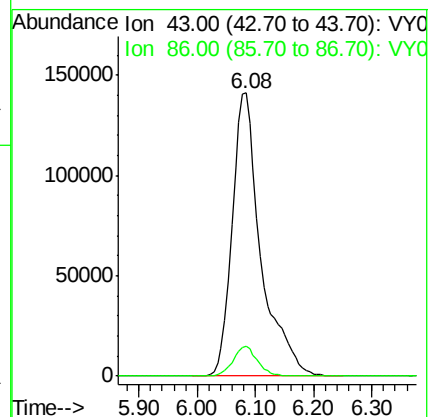
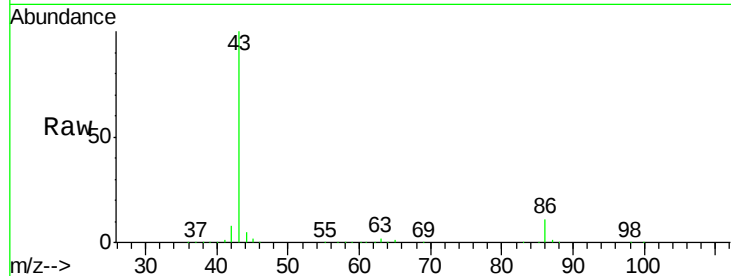
43 100

86 10.5 8.8 13.2

Manual Integrations
APPROVED

MMDadoda

3/4/2020 2:01:58 PM



#24

1,1-Dichloroethane

Concen: 21.435 ug/l

RT: 6.04 min Scan# 706

Delta R.T. -0.01 min

Lab File: VY001827.D

Acq: 03 Mar 2020 12:26

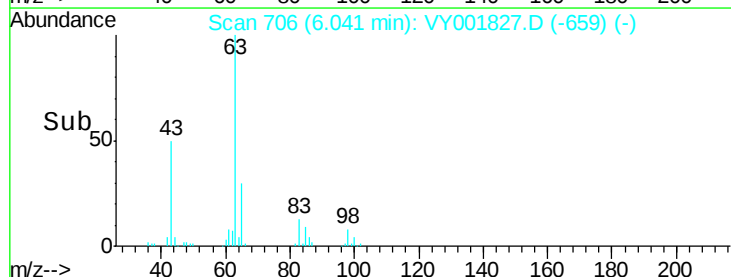
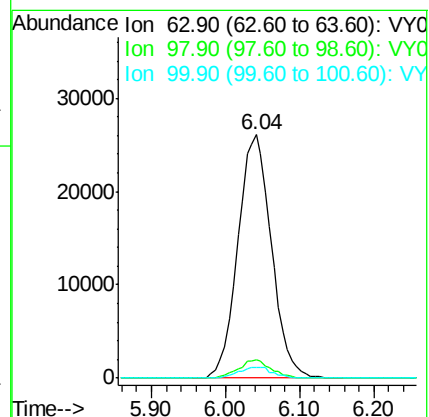
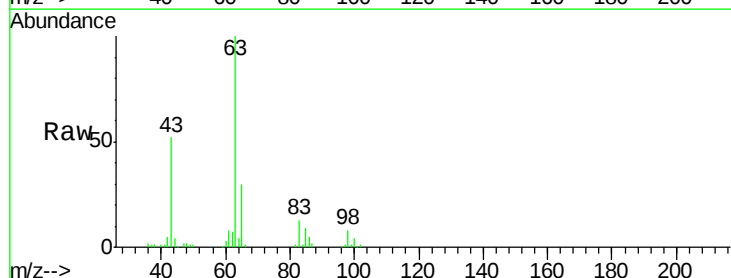
Tgt Ion: 63 Resp: 82286

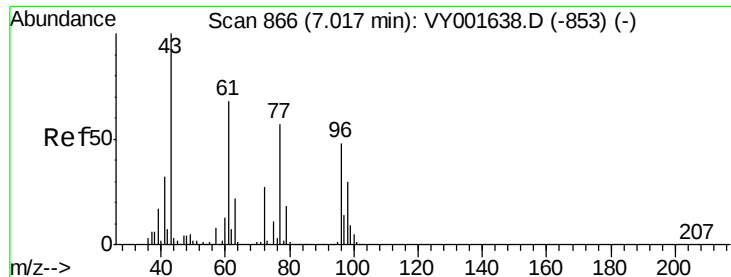
Ion Ratio Lower Upper

63 100

98 7.8 3.4 10.2

100 4.3 2.3 6.9





#25

2-Butanone

Concen: 101.666 ug/l

RT: 7.00 min Scan# 864

Delta R.T. -0.01 min

Lab File: VY001827.D

Acq: 03 Mar 2020 12:26

Instrument :

MSVOA_Y

ClientSampleId :

VY0303SBS01

Tot Ion: 43 Resp: 93098

Ion Ratio Lower Upper

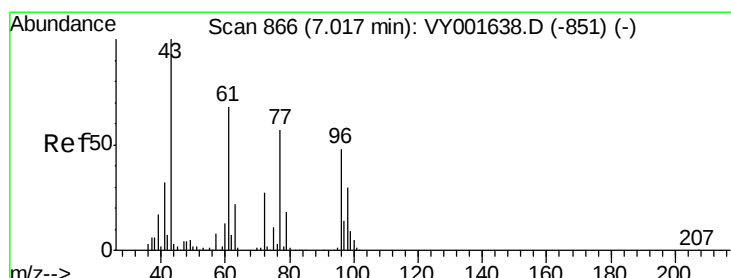
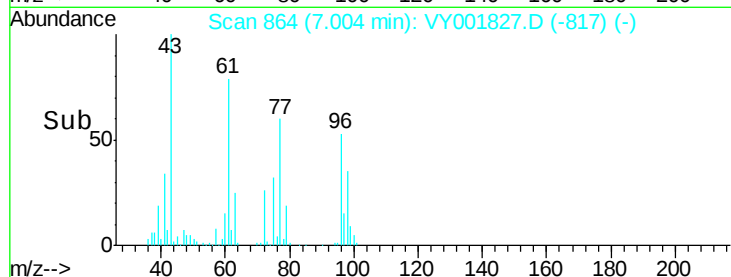
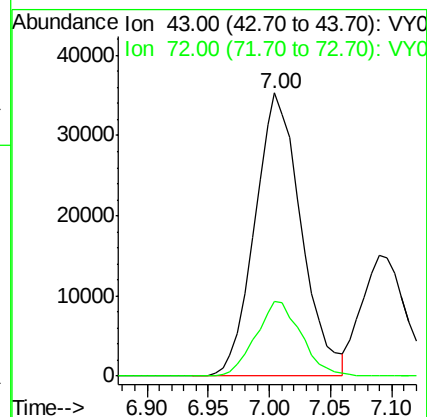
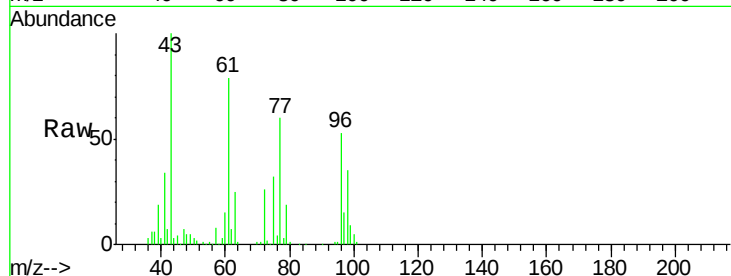
43 100

72 26.2 21.2 31.8

Manual Integrations
APPROVED

MMDadoda

3/4/2020 2:01:58 PM



#26

2,2-Dichloropropane

Concen: 20.409 ug/l

RT: 7.00 min Scan# 863

Delta R.T. -0.02 min

Lab File: VY001827.D

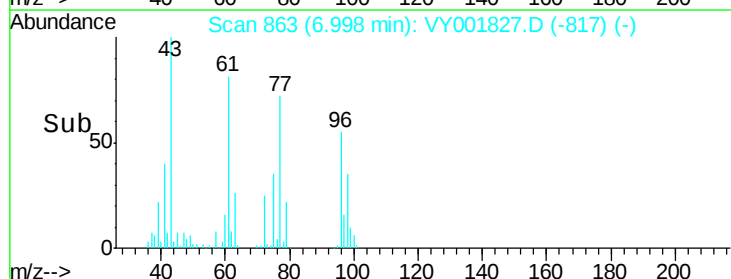
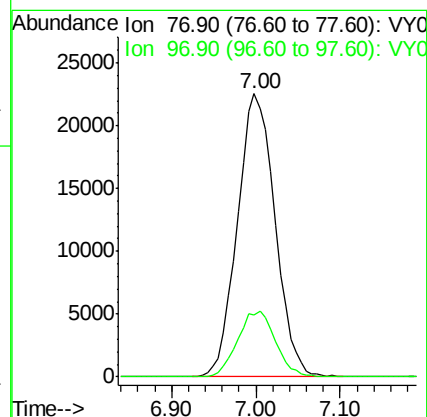
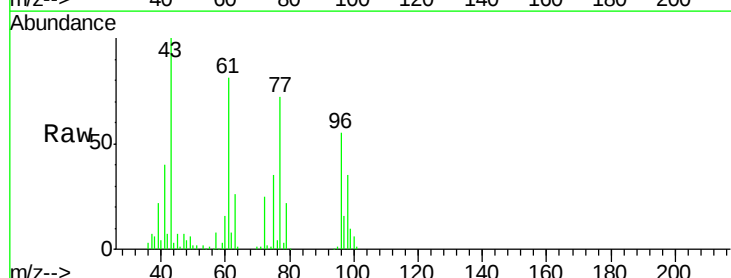
Acq: 03 Mar 2020 12:26

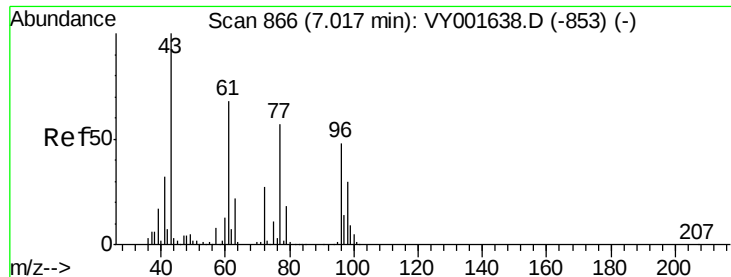
Tgt Ion: 77 Resp: 68162

Ion Ratio Lower Upper

77 100

97 23.4 11.8 35.4





#27

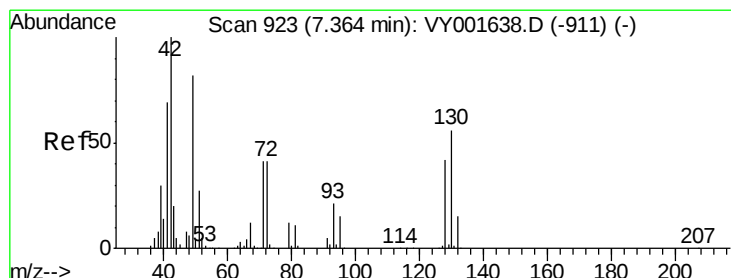
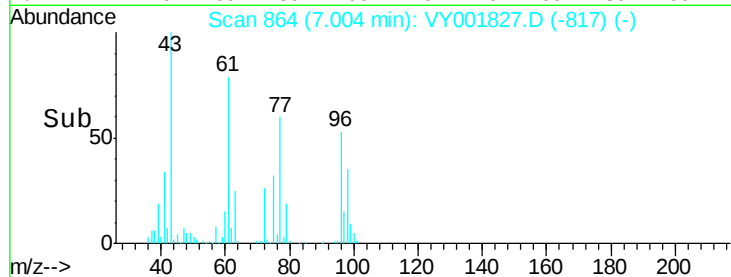
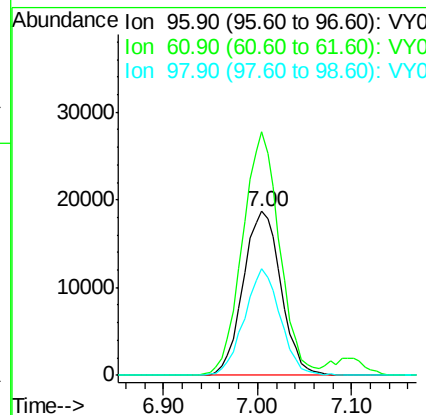
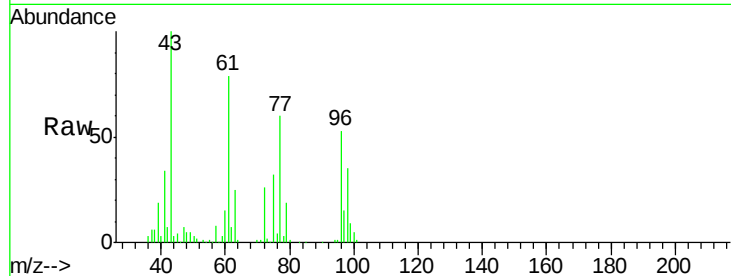
cis-1,2-Dichloroethene
Concen: 21.203 ug/l
RT: 7.00 min Scan# 864
Delta R.T. -0.01 min
Lab File: VY001827.D
Acq: 03 Mar 2020 12:26

Instrument :
MSVOA_Y
ClientSampleId :
VY0303SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	145.2	0.0	290.8
98	62.0	0.0	128.6

Manual Integrations
APPROVED

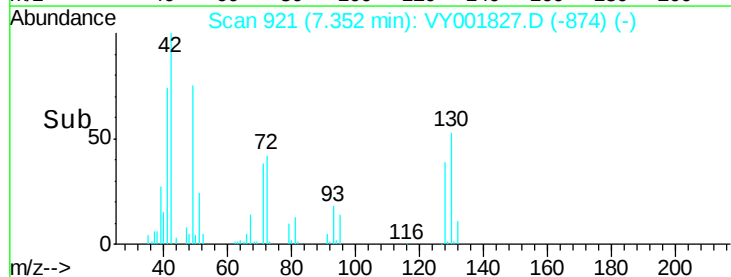
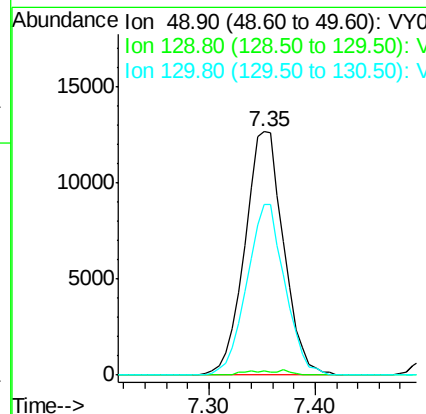
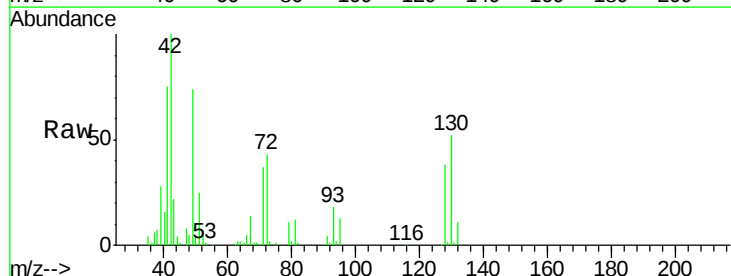
MMDadoda
3/4/2020 2:01:58 PM

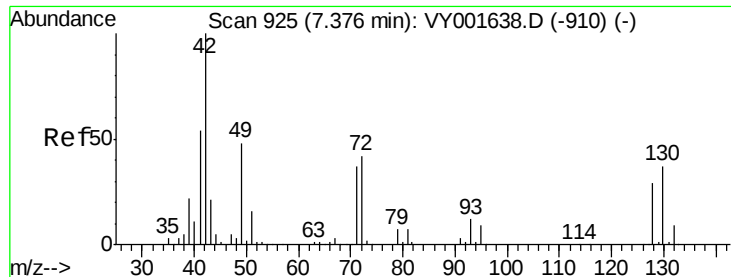


#28

Bromochloromethane
Concen: 20.299 ug/l
RT: 7.35 min Scan# 921
Delta R.T. -0.01 min
Lab File: VY001827.D
Acq: 03 Mar 2020 12:26

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.6
130	68.6	56.2	84.4





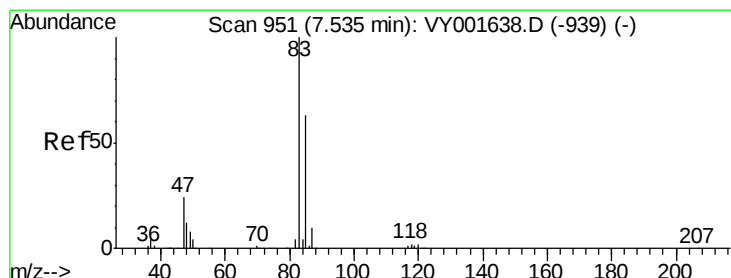
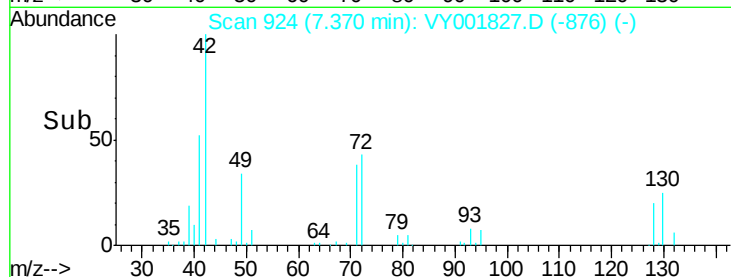
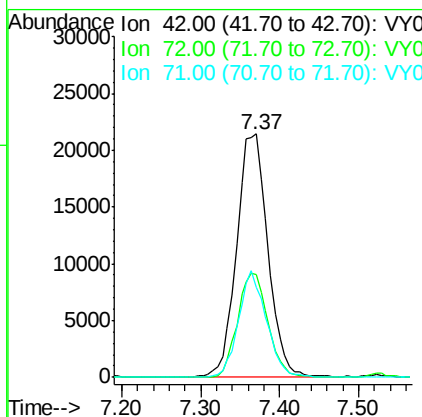
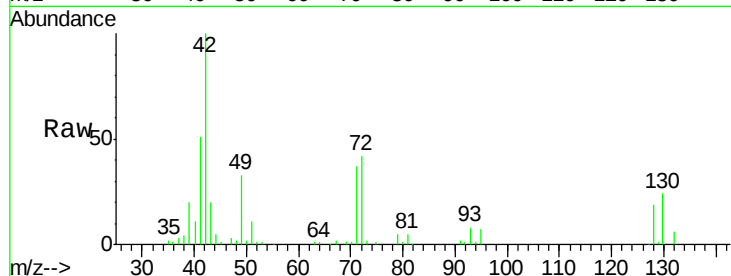
#29
Tetrahydrofuran
Concen: 107.105 ug/l
RT: 7.37 min Scan# 924
Delta R.T. -0.01 min
Lab File: VY001827.D
Acq: 03 Mar 2020 12:26

Instrument :
MSVOA_Y
ClientSampleId :
VY0303SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.5	34.4	51.6
71	38.8	31.8	47.8

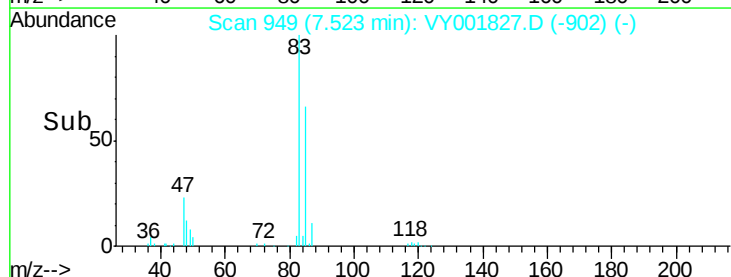
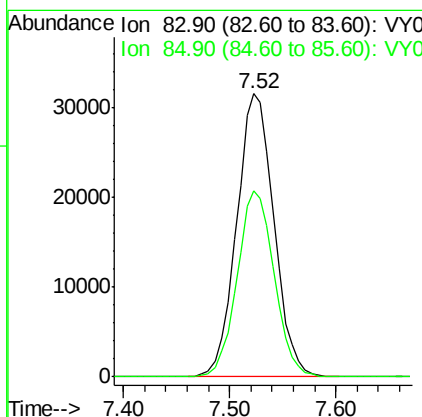
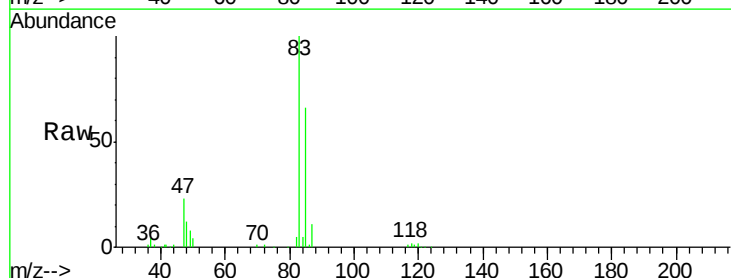
Manual Integrations
APPROVED

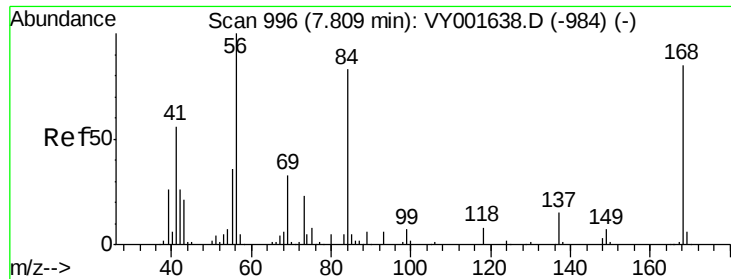
MMDadoda
3/4/2020 2:01:58 PM



#30
Chloroform
Concen: 20.621 ug/l
RT: 7.52 min Scan# 949
Delta R.T. -0.01 min
Lab File: VY001827.D
Acq: 03 Mar 2020 12:26

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	51.6	77.4





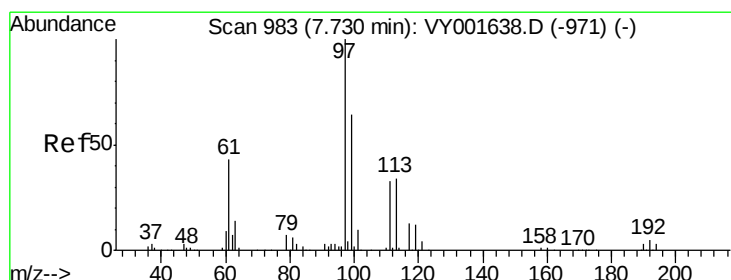
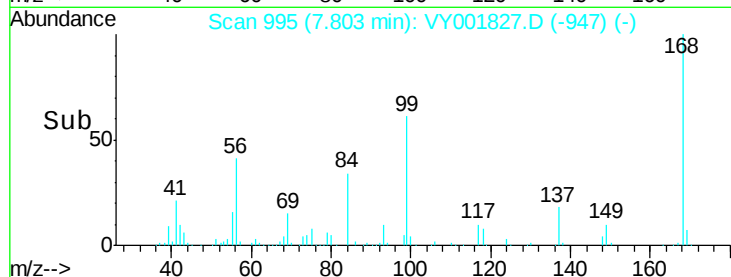
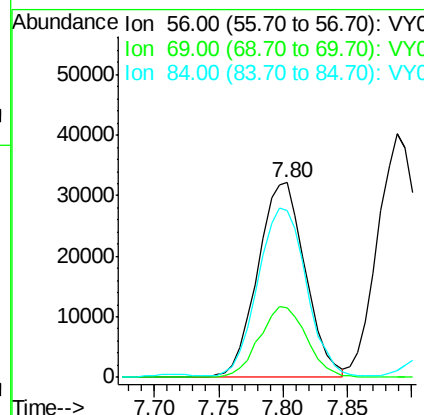
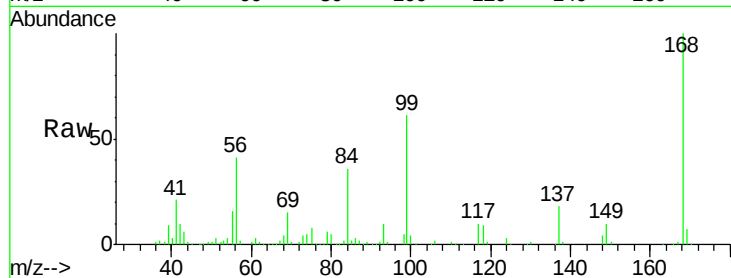
#31
Cyclohexane
Concen: 20.135 ug/l
RT: 7.80 min Scan# 995
Delta R.T. -0.01 min
Lab File: VY001827.D
Acq: 03 Mar 2020 12:26

Instrument :
MSVOA_Y
ClientSampled :
VY0303SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.8	25.1	37.7
84	84.9	66.9	100.3

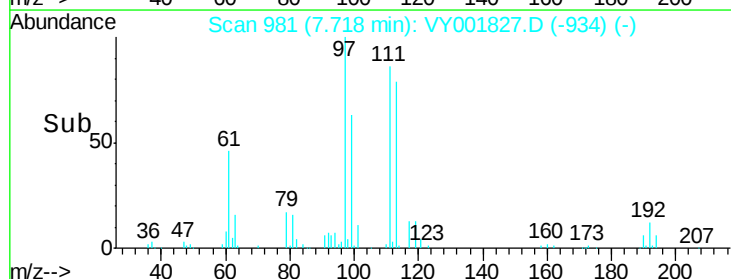
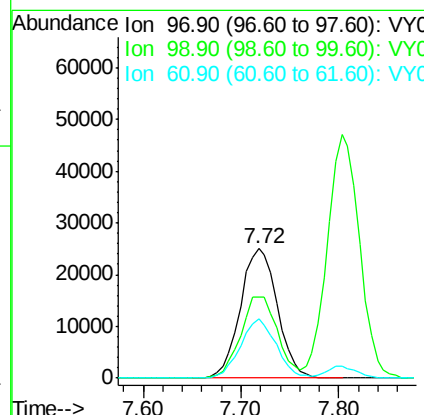
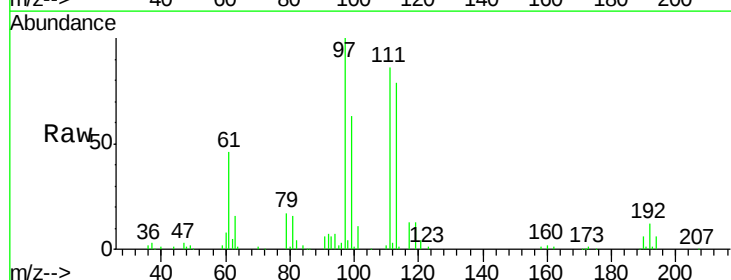
Manual Integrations
APPROVED

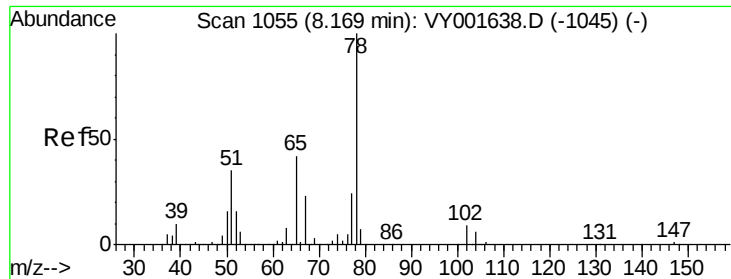
MMDadoda
3/4/2020 2:01:58 PM



#32
1,1,1-Trichloroethane
Concen: 20.830 ug/l
RT: 7.72 min Scan# 981
Delta R.T. -0.01 min
Lab File: VY001827.D
Acq: 03 Mar 2020 12:26

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.1	51.2	76.8
61	44.2	35.0	52.6





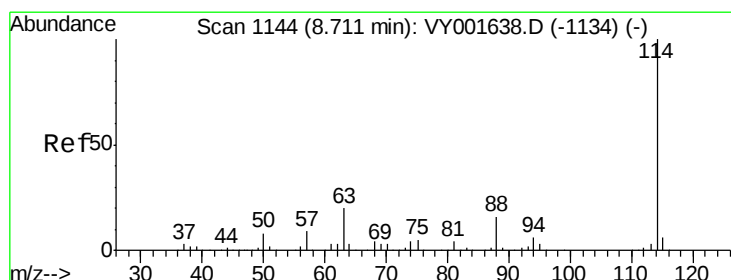
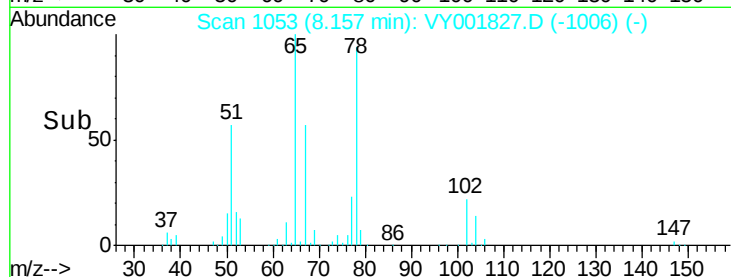
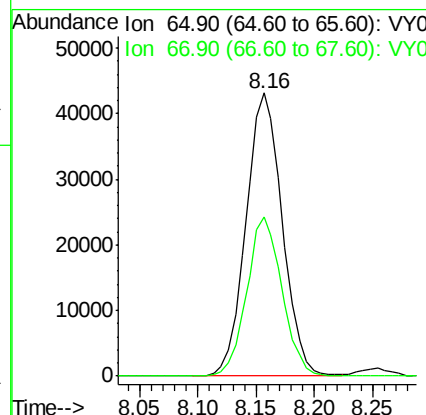
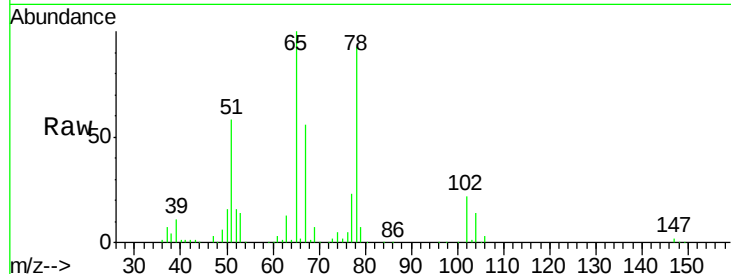
#33
 1,2-Dichloroethane-d4
 Concen: 48.015 ug/l
 RT: 8.16 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: VY001827.D
 Acq: 03 Mar 2020 12:26

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0303SBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.6	0.0	111.0

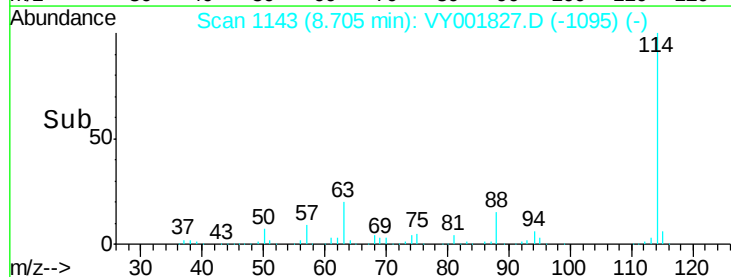
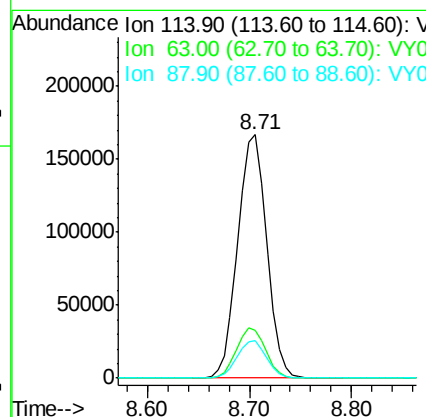
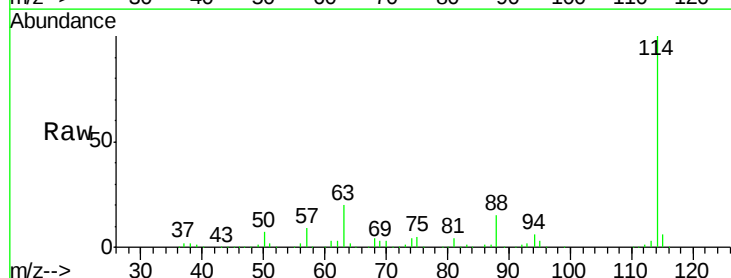
Manual Integrations
 APPROVED

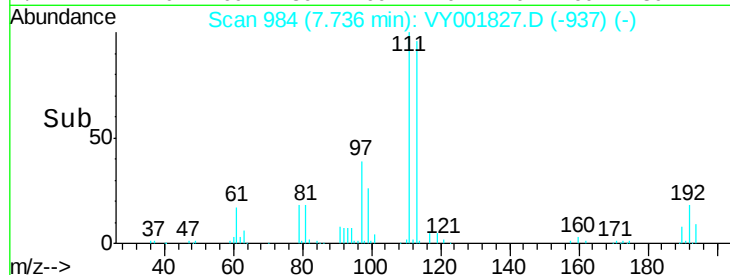
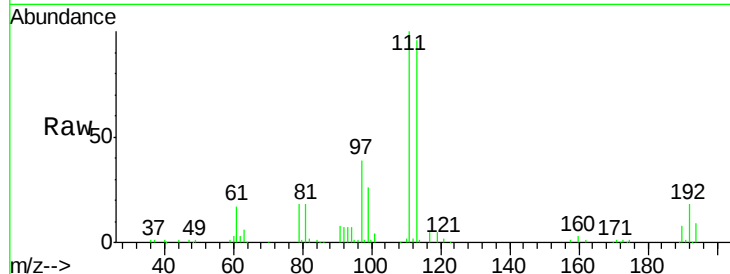
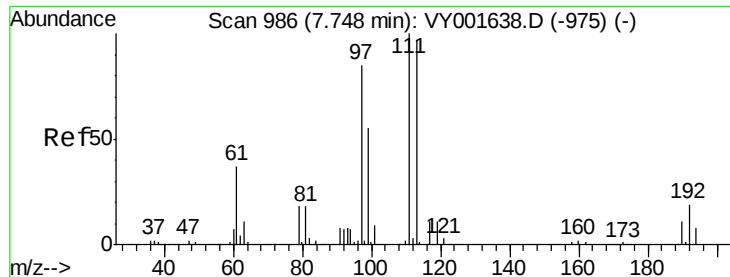
MMDadoda
 3/4/2020 2:01:58 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. -0.01 min
 Lab File: VY001827.D
 Acq: 03 Mar 2020 12:26

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	41.4
88	15.4	0.0	32.8





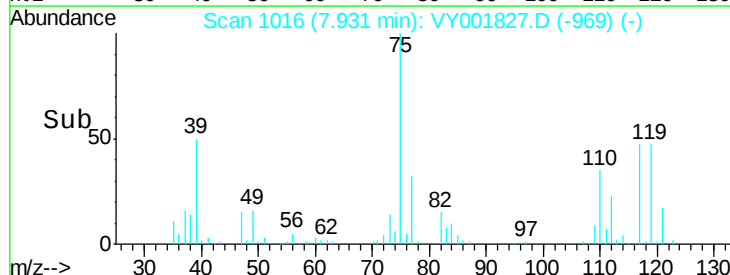
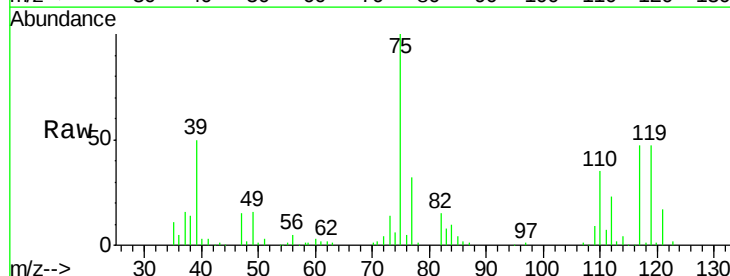
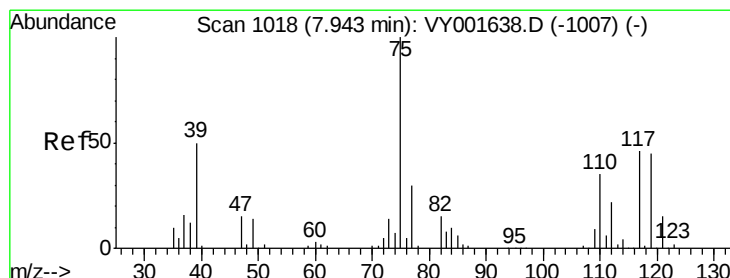
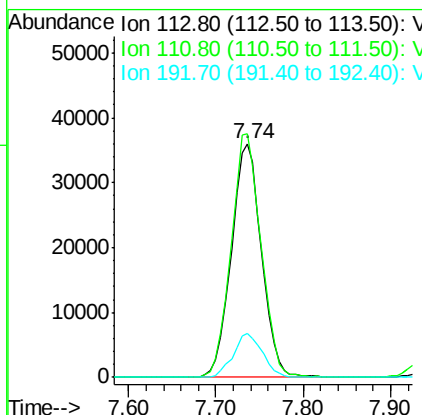
#35
Dibromofluoromethane
Concen: 45.825 ug/l
RT: 7.74 min Scan# 984
Delta R.T. -0.01 min
Lab File: VY001827.D
Acq: 03 Mar 2020 12:26

Tot Ion	Ratio	Resp	Lower	Upper
113	100	85988		
111	103.8	81.9	122.9	
192	18.2	14.3	21.5	

Instrument :
MSVOA_Y
ClientSampleId :
VY0303SBS01

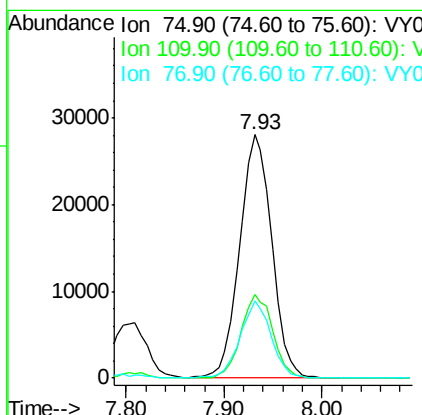
Manual Integrations
APPROVED

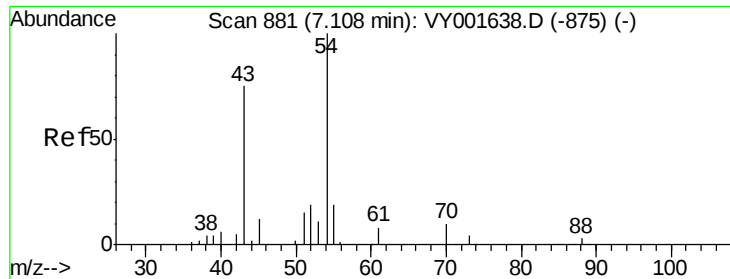
MMDadoda
3/4/2020 2:01:58 PM



#36
1,1-Dichloropropene
Concen: 20.451 ug/l
RT: 7.93 min Scan# 1016
Delta R.T. -0.01 min
Lab File: VY001827.D
Acq: 03 Mar 2020 12:26

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	63998		
110	33.7	17.2	51.6	
77	30.7	24.8	37.2	





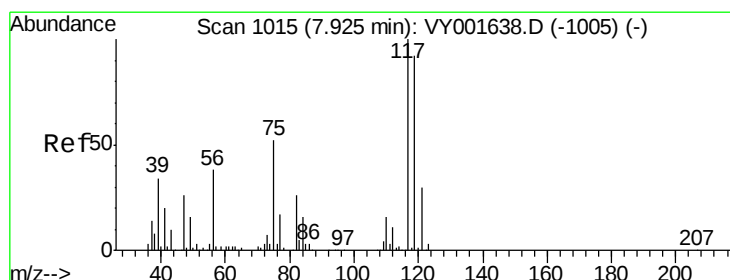
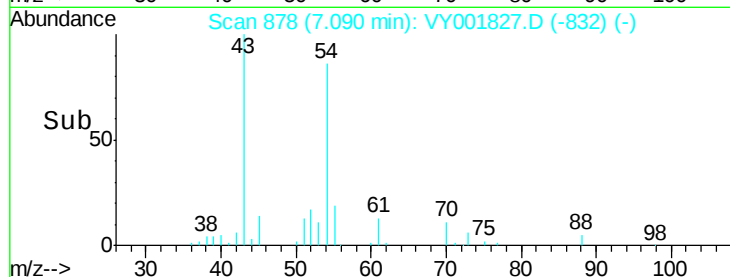
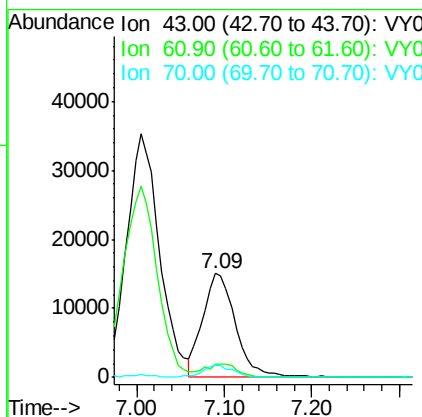
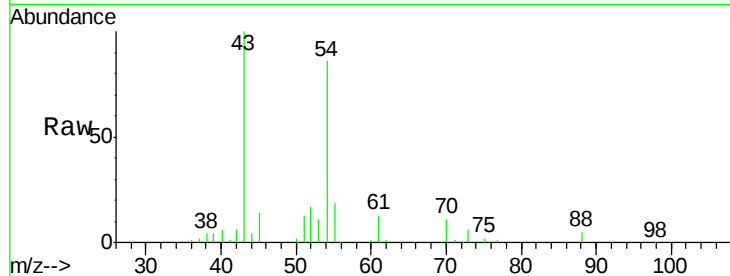
#37
Ethyl Acetate
Concen: 21.117 ug/l
RT: 7.09 min Scan# 878
Delta R.T. -0.02 min
Lab File: VY001827.D
Acq: 03 Mar 2020 12:26

Instrument :
MSVOA_Y
ClientSampleId :
VY0303SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.0	11.0	16.6
70	10.7	8.8	13.2

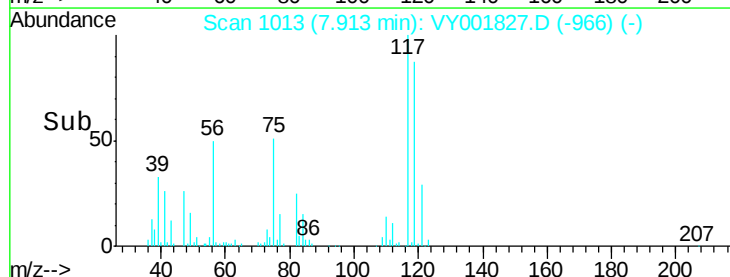
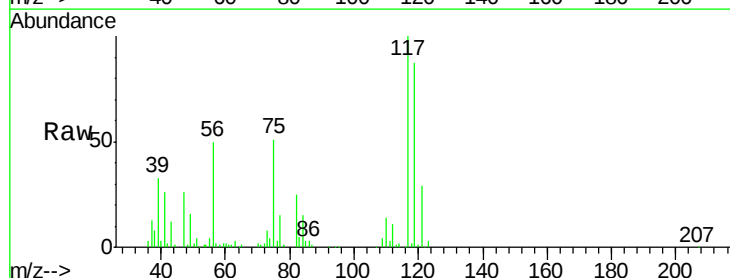
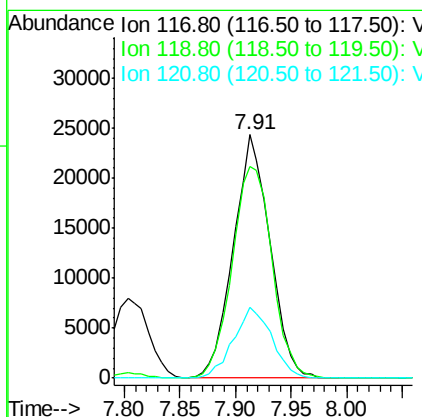
Manual Integrations
APPROVED

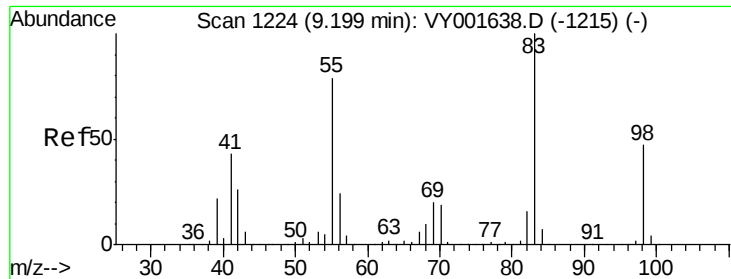
MMDadoda
3/4/2020 2:01:58 PM



#38
Carbon Tetrachloride
Concen: 20.310 ug/l
RT: 7.91 min Scan# 1013
Delta R.T. -0.01 min
Lab File: VY001827.D
Acq: 03 Mar 2020 12:26

Tgt Ion	Ratio	Lower	Upper
117	100		
119	87.0	74.8	112.2
121	29.1	23.8	35.6





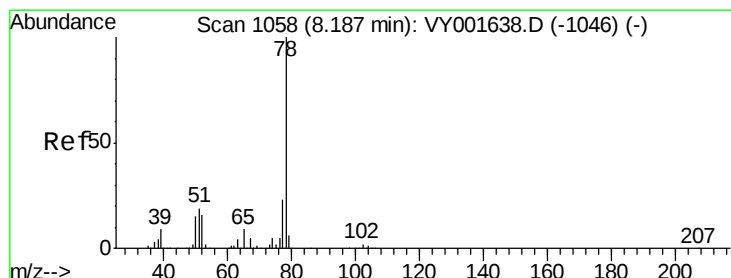
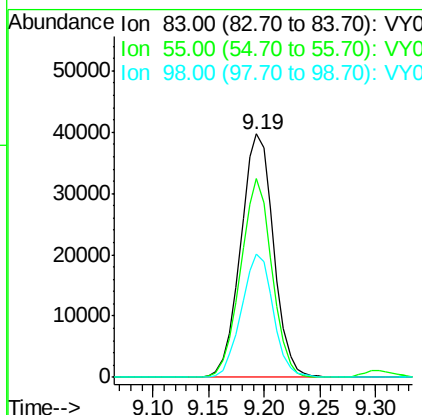
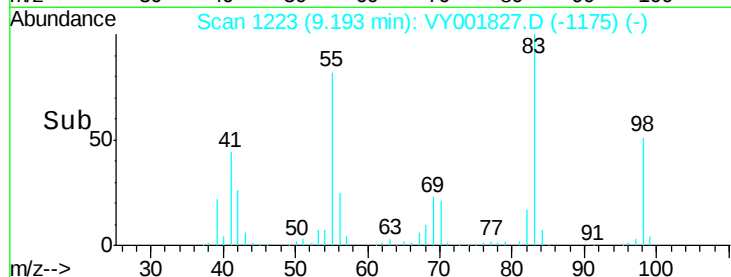
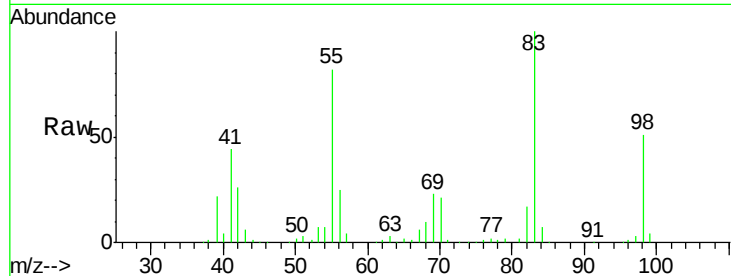
#39
Methvlcvclohexane
Concen: 19.543 ug/l
RT: 9.19 min Scan# 1223
Delta R.T. -0.01 min
Lab File: VY001827.D
Acq: 03 Mar 2020 12:26

Instrument :
MSVOA_Y
ClientSampleId :
VY0303SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.7	61.3	91.9
98	50.8	38.0	57.0

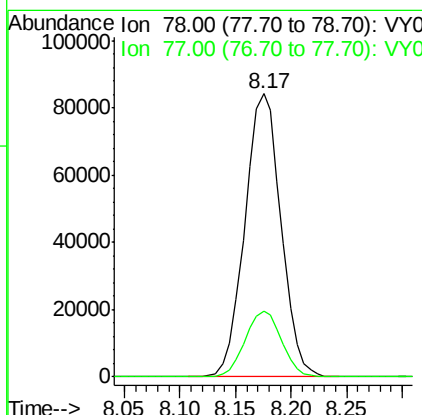
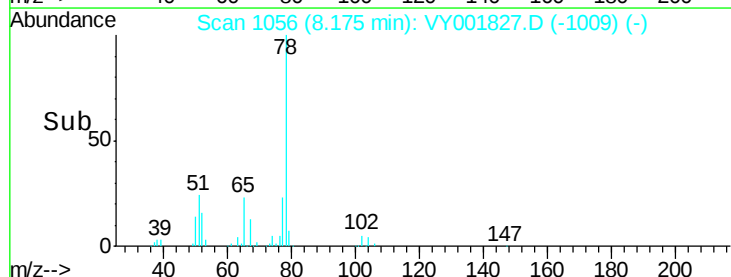
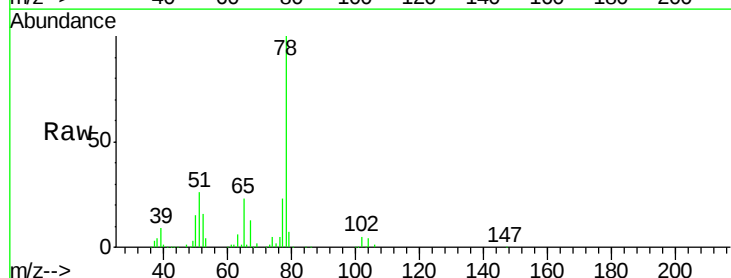
Manual Integrations
APPROVED

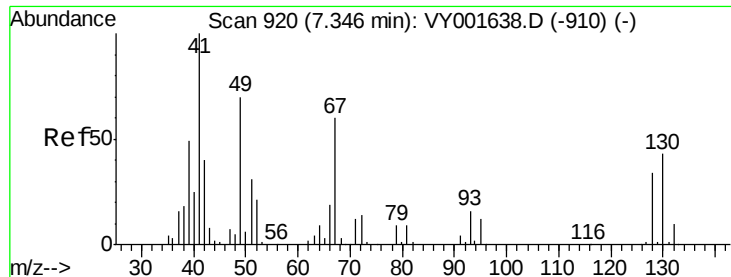
MMDadoda
3/4/2020 2:01:58 PM



#40
Benzene
Concen: 20.649 ug/l
RT: 8.17 min Scan# 1056
Delta R.T. -0.01 min
Lab File: VY001827.D
Acq: 03 Mar 2020 12:26

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.2	27.4





#41

Methacrylonitrile

Concen: 26.461 ug/l m

RT: 7.34 min Scan# 919

Delta R.T. -0.01 min

Lab File: VY001827.D

Acq: 03 Mar 2020 12:26

Instrument :

MSVOA_Y

ClientSampleId :

VY0303SBS01

Tot Ion: 41 Resp: 24816

Ion Ratio Lower Upper

41 100

39 0.0 36.0 54.0#

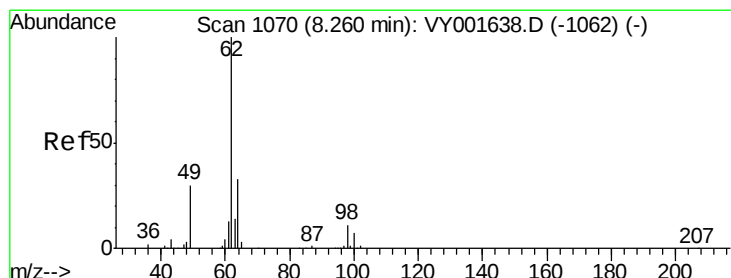
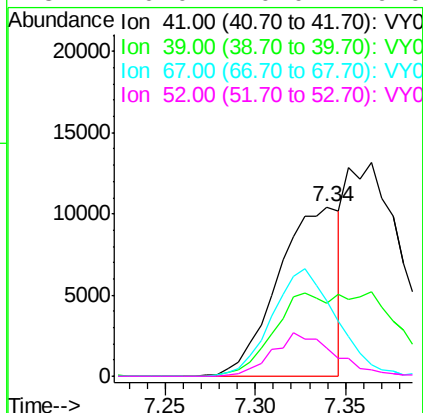
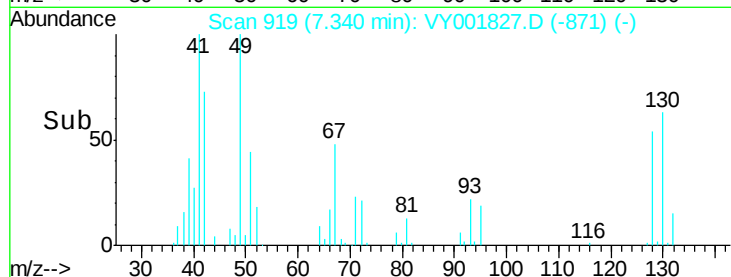
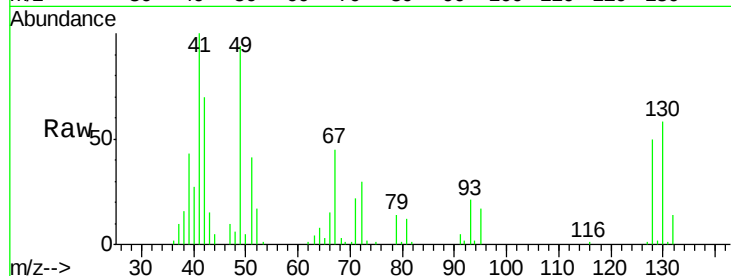
67 0.0 0.0 0.0

52 0.0 0.0 0.0

Manual Integrations
APPROVED

MMDadoda

3/4/2020 2:01:58 PM



#42

1,2-Dichloroethane

Concen: 20.409 ug/l

RT: 8.25 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VY001827.D

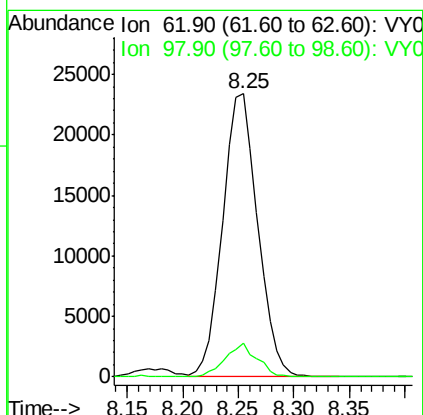
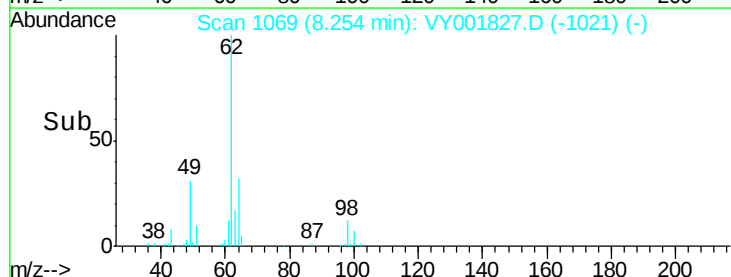
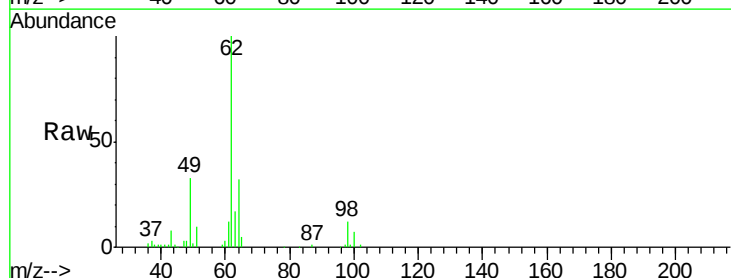
Acq: 03 Mar 2020 12:26

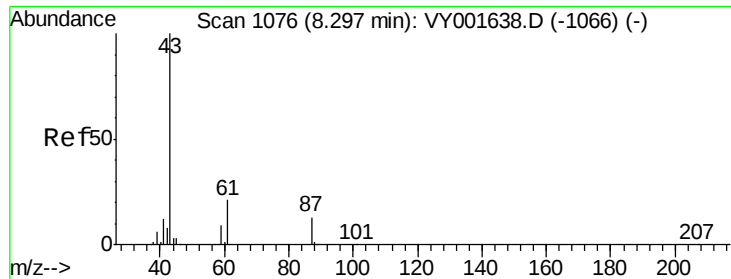
Tgt Ion: 62 Resp: 51172

Ion Ratio Lower Upper

62 100

98 10.6 0.0 20.8





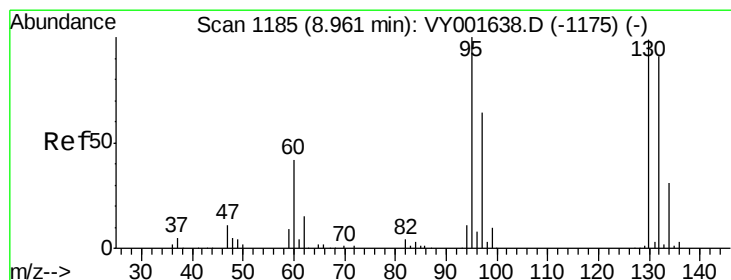
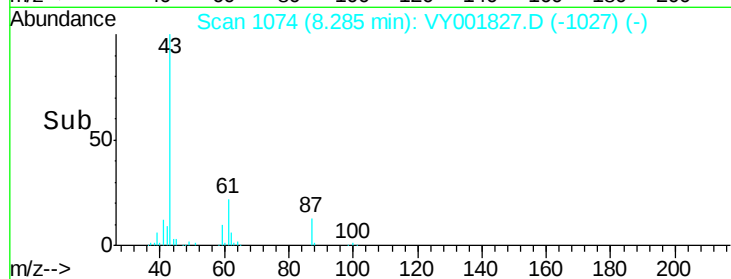
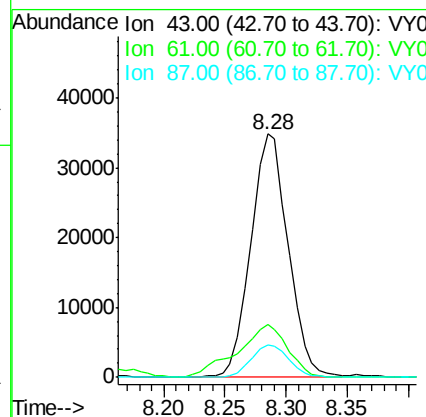
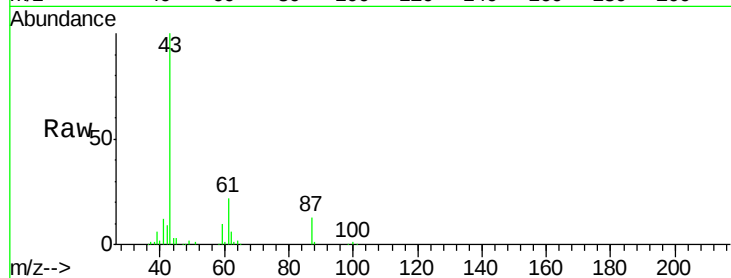
#43
Isopropyl Acetate
Concen: 20.951 ug/l
RT: 8.28 min Scan# 1074
Delta R.T. -0.01 min
Lab File: VY001827.D
Acq: 03 Mar 2020 12:26

Instrument :
MSVOA_Y
ClientSampleId :
VY0303SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.1	23.0	34.4
87	13.3	10.7	16.1

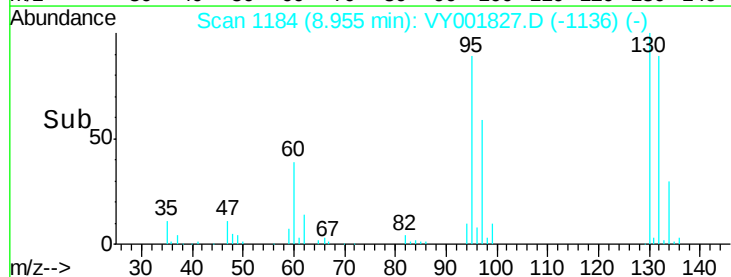
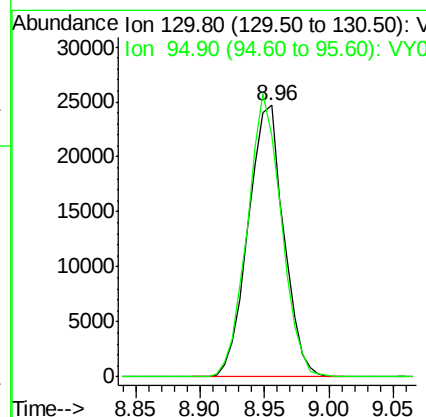
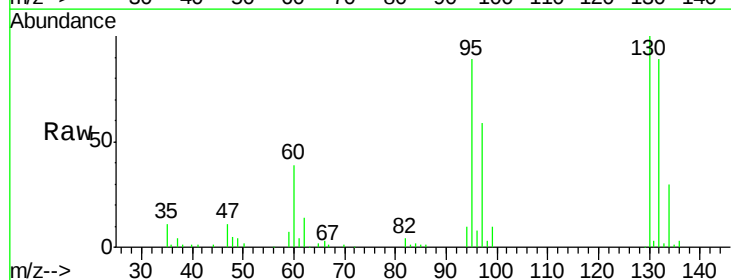
Manual Integrations
APPROVED

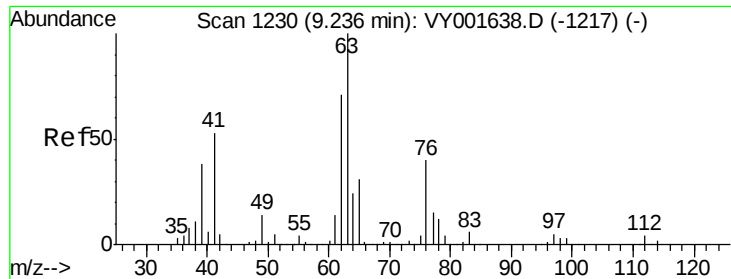
MMDadoda
3/4/2020 2:01:58 PM



#44
Trichloroethene
Concen: 20.422 ug/l
RT: 8.96 min Scan# 1184
Delta R.T. -0.01 min
Lab File: VY001827.D
Acq: 03 Mar 2020 12:26

Tgt Ion	Ratio	Lower	Upper
130	100		
95	88.7	0.0	200.6





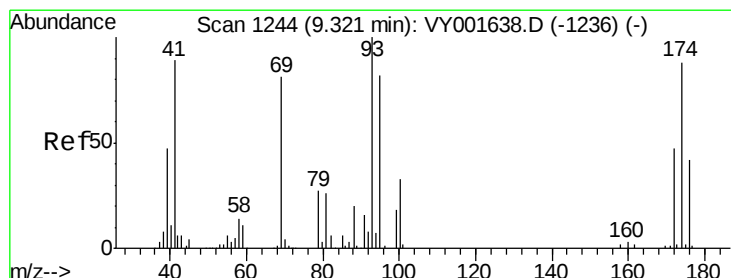
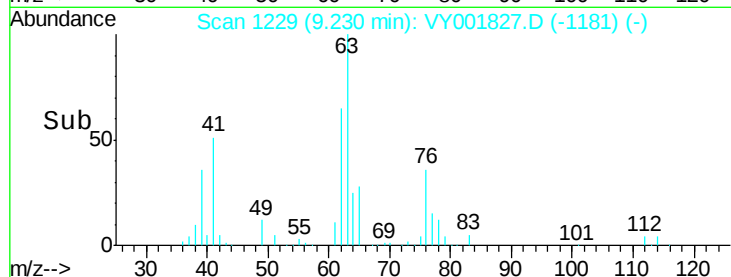
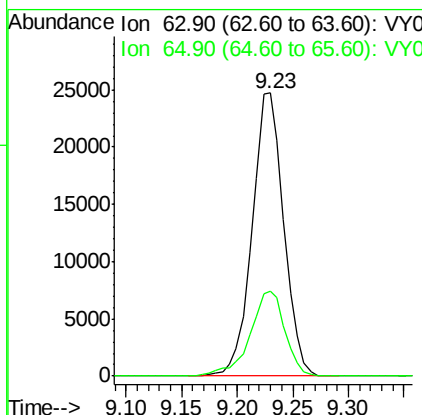
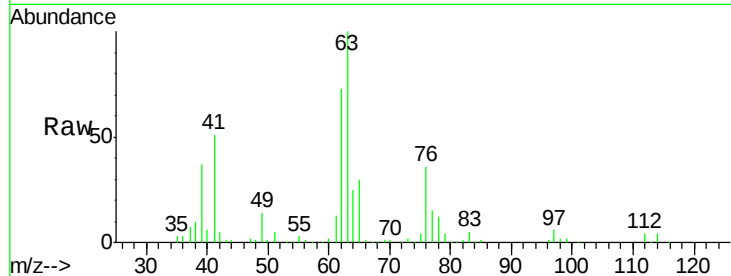
#45
 1,2-Dichloropropane
 Concen: 21.181 ug/l
 RT: 9.23 min Scan# 1229
 Delta R.T. -0.01 min
 Lab File: VY001827.D
 Acq: 03 Mar 2020 12:26

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0303SBS01

Tot Ion: 63 Resp: 48820
 Ion Ratio Lower Upper
 63 100
 65 30.1 24.6 37.0

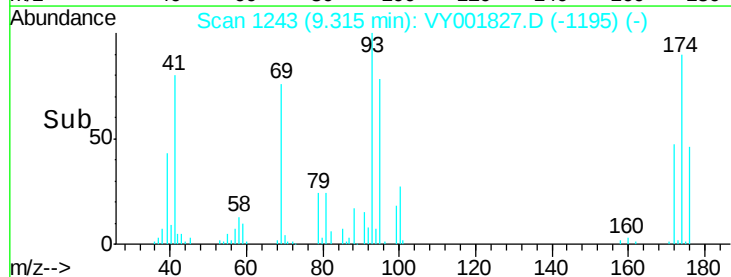
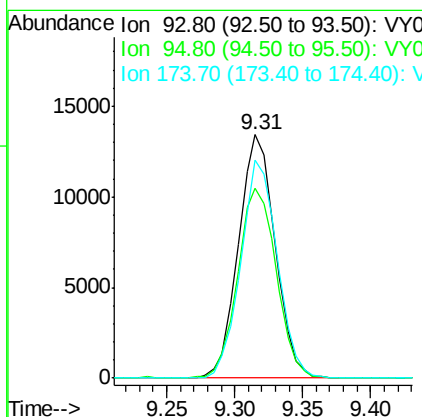
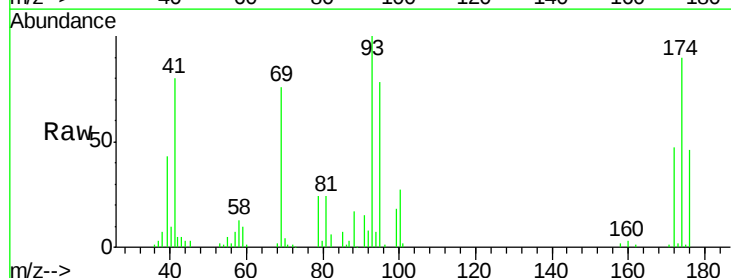
Manual Integrations
 APPROVED

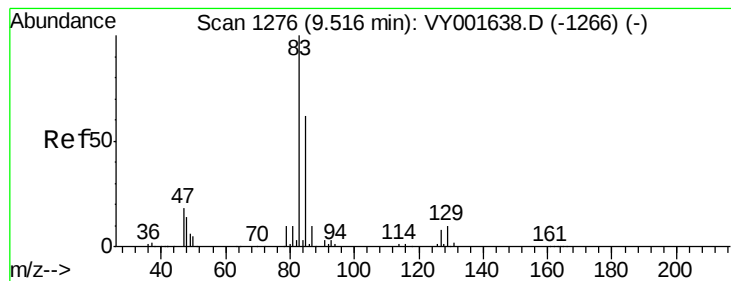
MMDadoda
 3/4/2020 2:01:58 PM



#46
 Dibromomethane
 Concen: 21.031 ug/l
 RT: 9.31 min Scan# 1243
 Delta R.T. -0.01 min
 Lab File: VY001827.D
 Acq: 03 Mar 2020 12:26

Tgt Ion: 93 Resp: 25355
 Ion Ratio Lower Upper
 93 100
 95 81.8 66.1 99.1
 174 88.7 72.5 108.7





#47

Bromodichloromethane

Concen: 20.637 ug/l

RT: 9.50 min Scan# 1274

Delta R.T. -0.01 min

Lab File: VY001827.D

Acq: 03 Mar 2020 12:26

Instrument :

MSVOA_Y

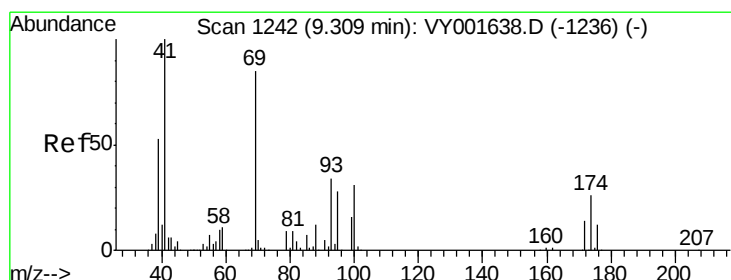
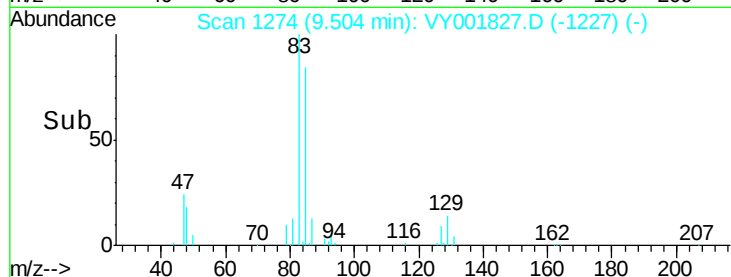
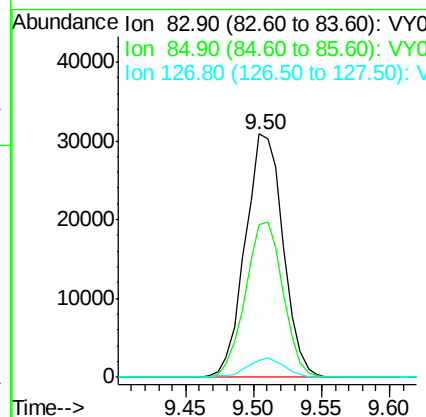
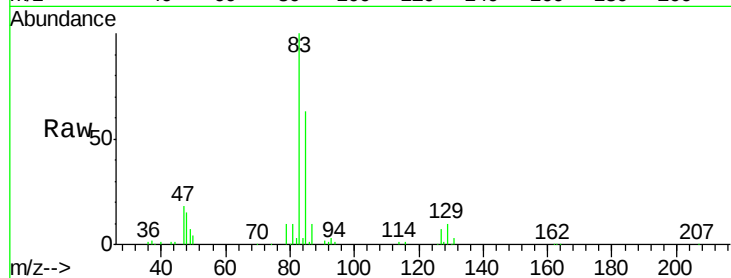
ClientSampleId :

VY0303SBS01

Tot Ion:	83	Resp:	60045
Ion	Ratio	Lower	Upper
83	100		
85	62.9	51.4	77.0
127	6.8	6.4	9.6

Manual Integrations
APPROVED

MMDadoda
3/4/2020 2:01:58 PM



#48

Methyl methacrylate

Concen: 20.292 ug/l

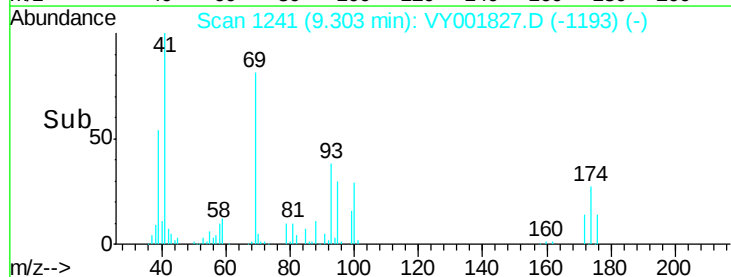
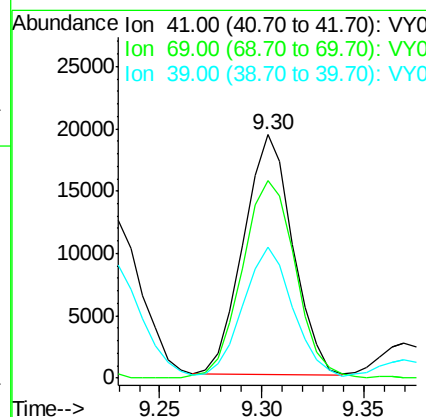
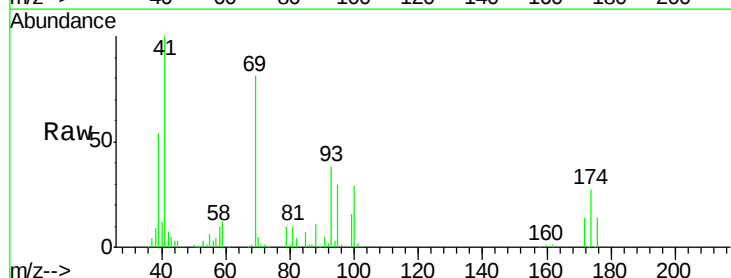
RT: 9.30 min Scan# 1241

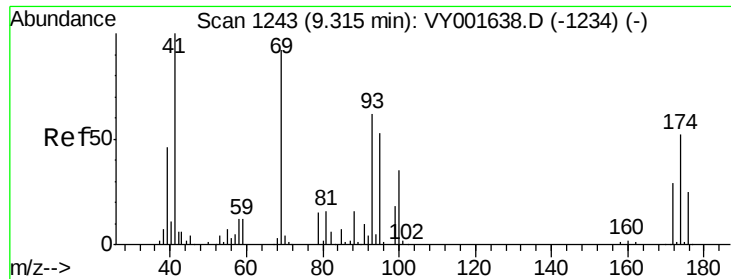
Delta R.T. -0.01 min

Lab File: VY001827.D

Acq: 03 Mar 2020 12:26

Tgt Ion:	41	Resp:	32523
Ion	Ratio	Lower	Upper
41	100		
69	88.5	70.7	106.1
39	55.9	42.2	63.2





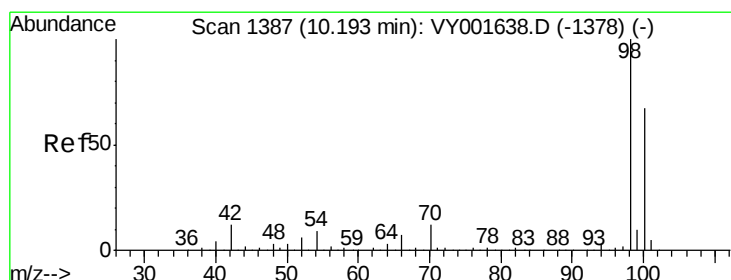
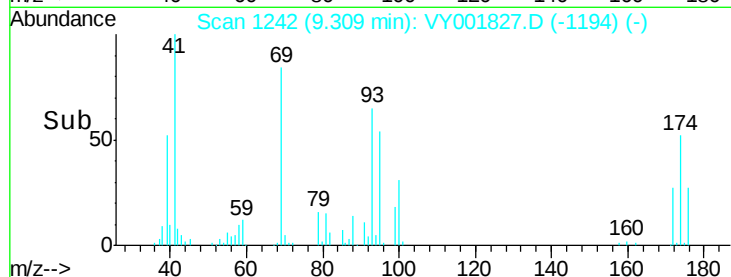
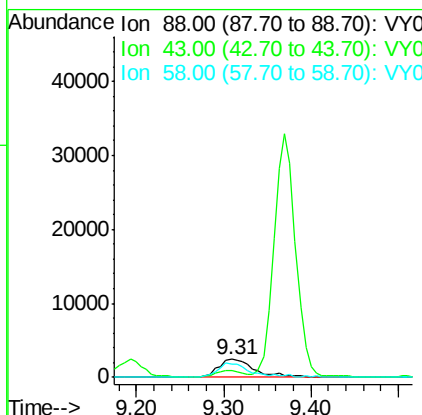
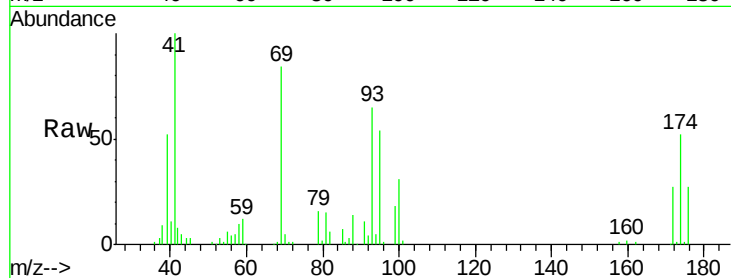
#49
1,4-Dioxane
Concen: 415.210 ug/l
RT: 9.31 min Scan# 1242
Delta R.T. -0.01 min
Lab File: VY001827.D
Acq: 03 Mar 2020 12:26

Instrument :
MSVOA_Y
ClientSampleId :
VY0303SBS01

Tot Ion	88	Resp	7070
Ion	Ratio	Lower	Upper
88	100		
43	30.2	23.1	34.7
58	62.5	58.1	87.1

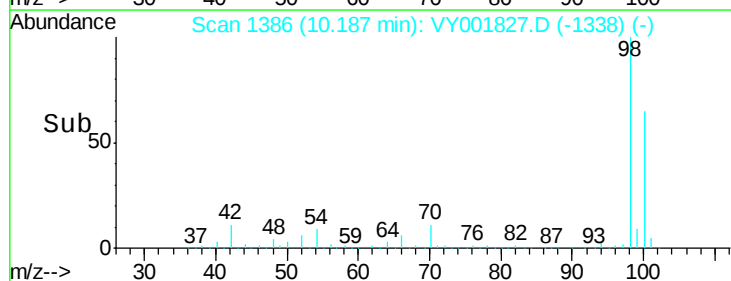
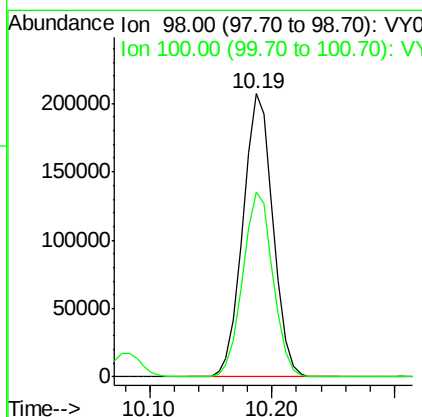
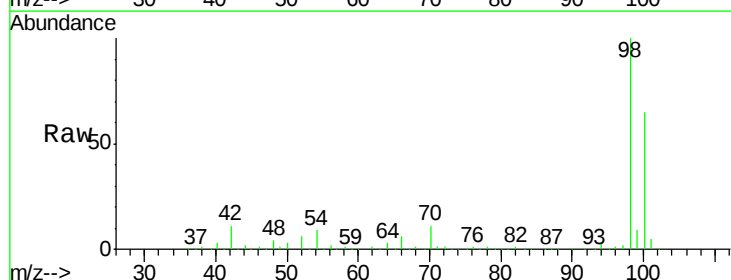
Manual Integrations
APPROVED

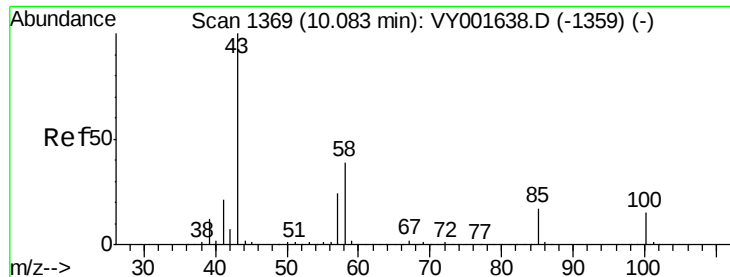
MMDadoda
3/4/2020 2:01:58 PM



#50
Toluene-d8
Concen: 47.952 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. -0.01 min
Lab File: VY001827.D
Acq: 03 Mar 2020 12:26

Tgt Ion	98	Resp	352512
Ion	Ratio	Lower	Upper
98	100		
100	65.6	53.0	79.4





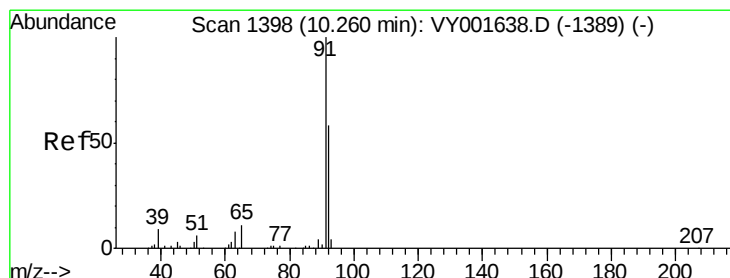
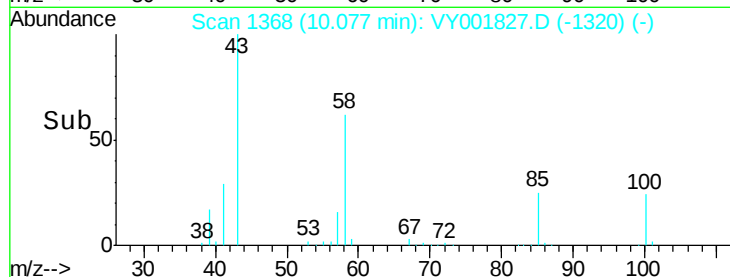
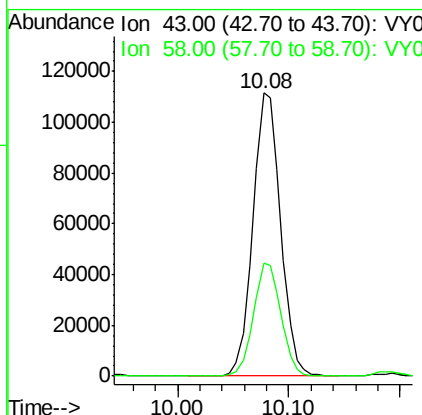
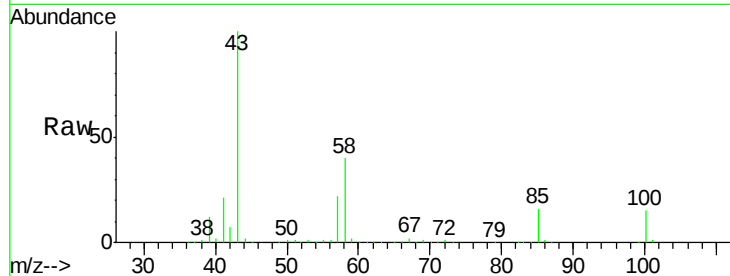
#51
4-Methyl-2-Pentanone
Concen: 106.056 ug/l
RT: 10.08 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VY001827.D
Acq: 03 Mar 2020 12:26

Instrument :
MSVOA_Y
ClientSampleId :
VY0303SBS01

Tot Ion	43	58	Resp	193105
Ion Ratio	100	39.7	Lower	Upper
		32.2		48.4

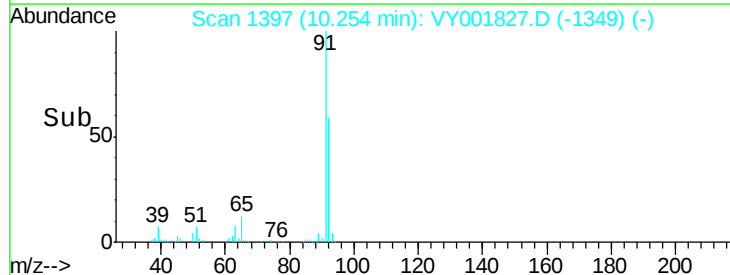
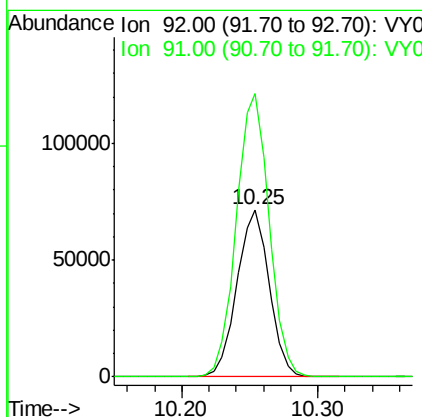
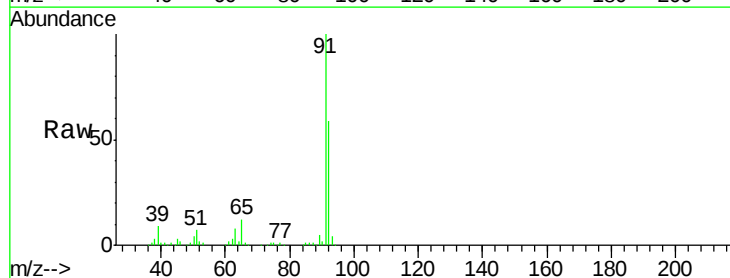
Manual Integrations
APPROVED

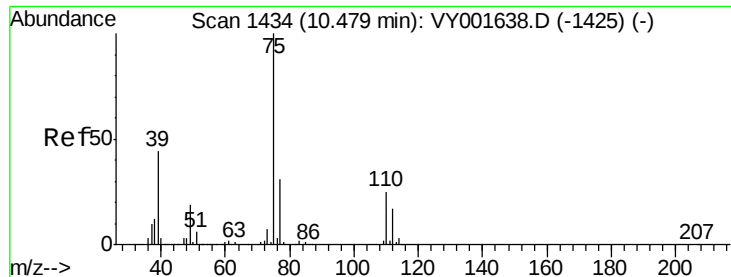
MMDadoda
3/4/2020 2:01:58 PM



#52
Toluene
Concen: 20.559 ug/l
RT: 10.25 min Scan# 1397
Delta R.T. -0.01 min
Lab File: VY001827.D
Acq: 03 Mar 2020 12:26

Tgt Ion	92	91	Resp	118027
Ion Ratio	100	172.6	Lower	Upper
		137.0		205.6





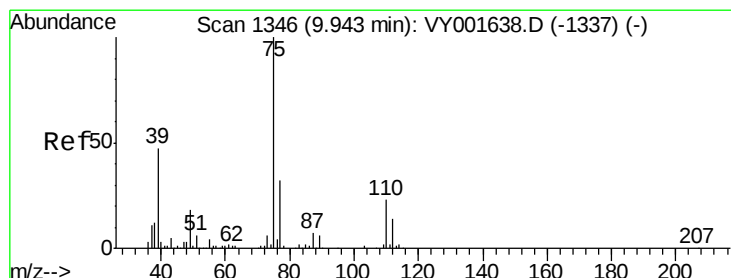
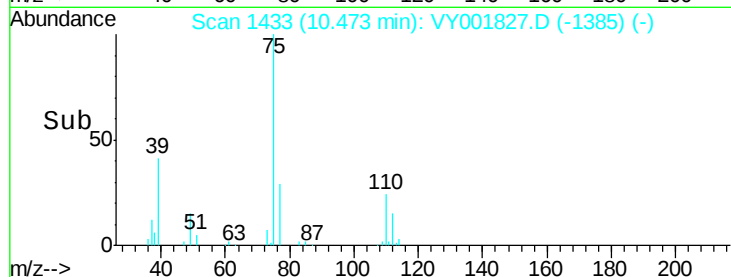
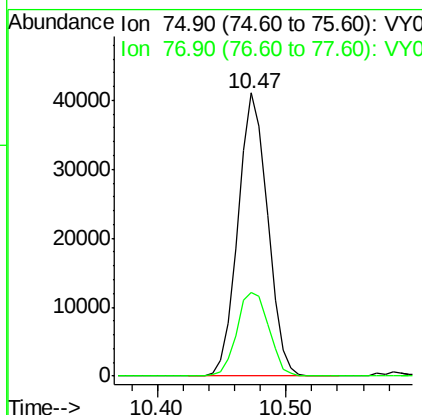
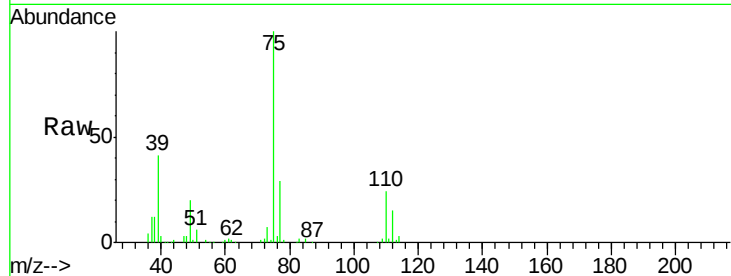
#53
t-1,3-Dichloropropene
Concen: 20.376 ug/l
RT: 10.47 min Scan# 1433
Delta R.T. -0.01 min
Lab File: VY001827.D
Acq: 03 Mar 2020 12:26

Instrument :
MSVOA_Y
ClientSampleId :
VY0303SBS01

Tot Ion: 75 Resp: 65542
Ion Ratio Lower Upper
75 100
77 29.4 25.2 37.8

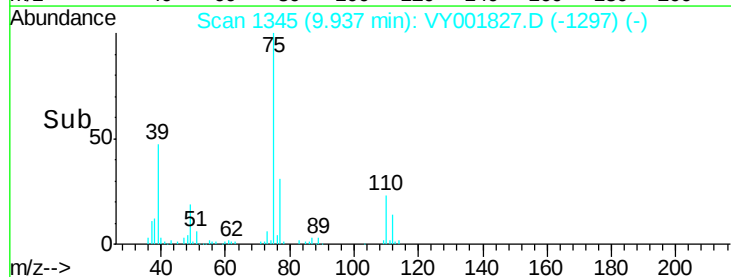
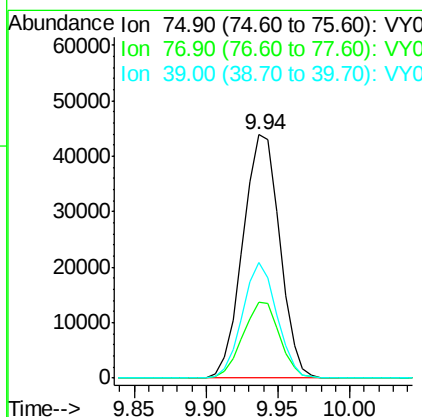
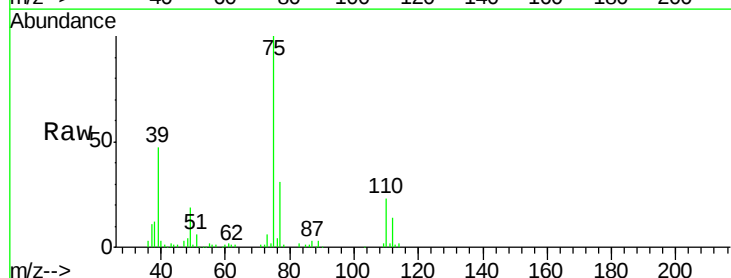
Manual Integrations
APPROVED

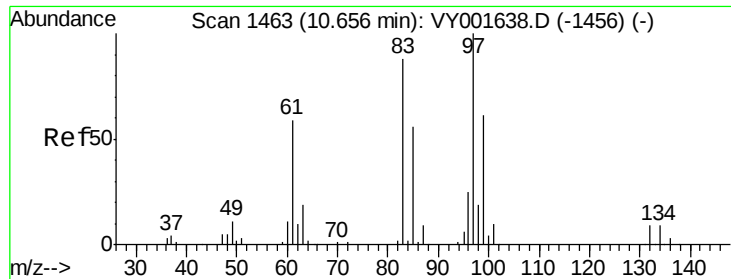
MMDadoda
3/4/2020 2:01:58 PM



#54
cis-1,3-Dichloropropene
Concen: 20.991 ug/l
RT: 9.94 min Scan# 1345
Delta R.T. -0.01 min
Lab File: VY001827.D
Acq: 03 Mar 2020 12:26

Tgt Ion: 75 Resp: 77710
Ion Ratio Lower Upper
75 100
77 31.0 25.7 38.5
39 47.4 35.7 53.5





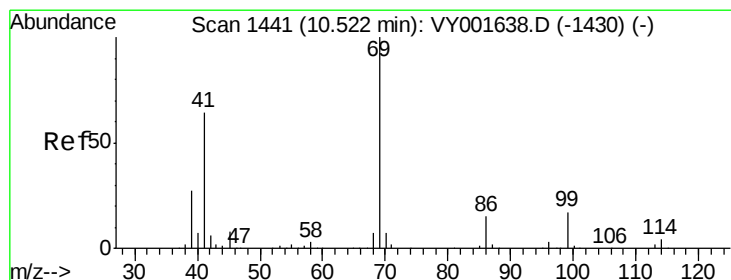
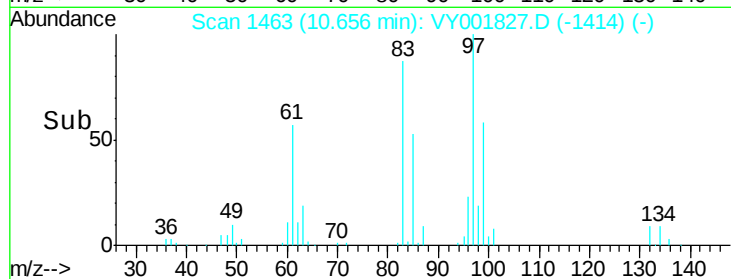
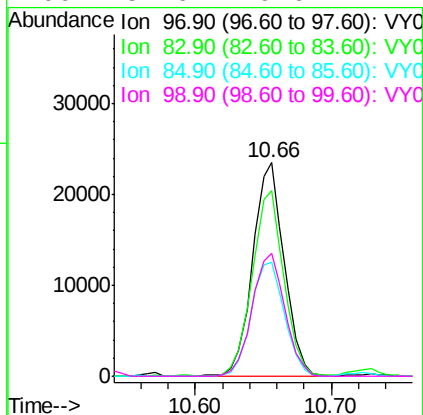
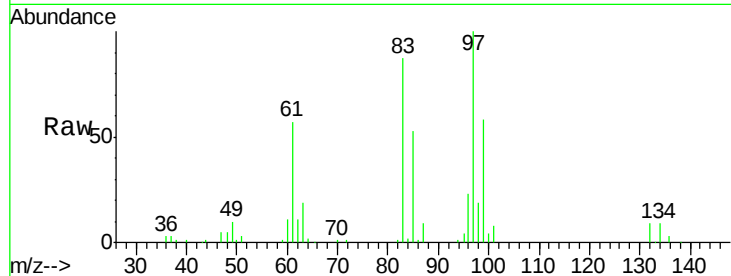
#55
 1,1,2-Trichloroethane
 Concen: 21.456 ug/l
 RT: 10.66 min Scan# 1463
 Delta R.T. -0.00 min
 Lab File: VY001827.D
 Acq: 03 Mar 2020 12:26

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0303SBS01

Tot Ion:	97	Resp:	38141
Ion	Ratio	Lower	Upper
97	100		
83	86.5	69.7	104.5
85	53.4	44.5	66.7
99	57.6	49.6	74.4

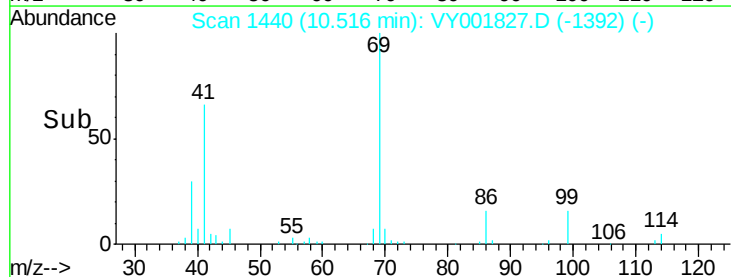
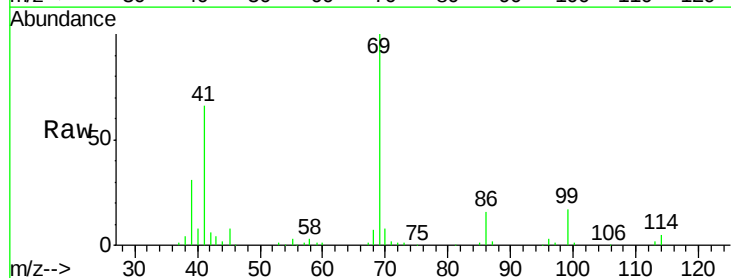
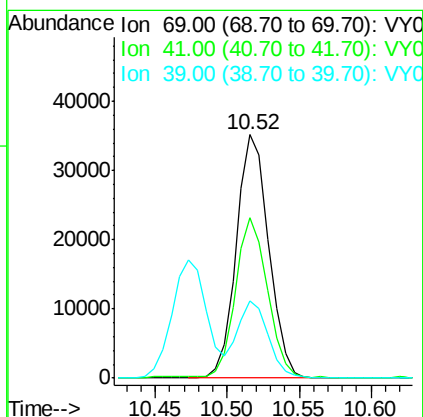
Manual Integrations
 APPROVED

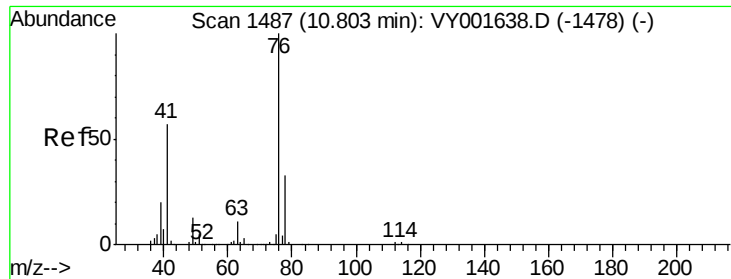
MMDadoda
 3/4/2020 2:01:58 PM



#56
 Ethyl methacrylate
 Concen: 20.611 ug/l
 RT: 10.52 min Scan# 1440
 Delta R.T. -0.01 min
 Lab File: VY001827.D
 Acq: 03 Mar 2020 12:26

Tgt Ion:	69	Resp:	54965
Ion	Ratio	Lower	Upper
69	100		
41	64.4	51.0	76.4
39	30.3	24.7	37.1





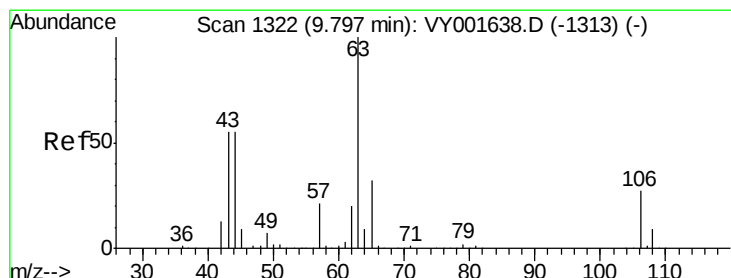
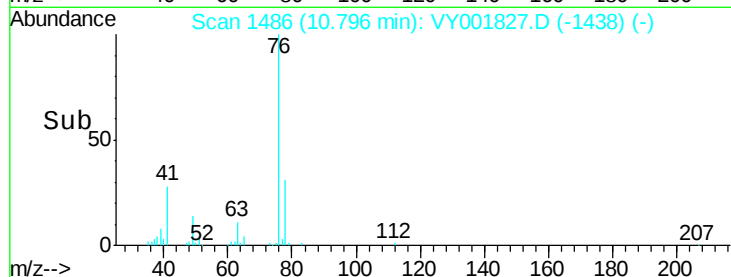
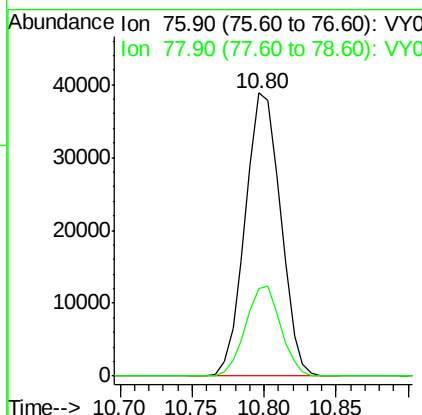
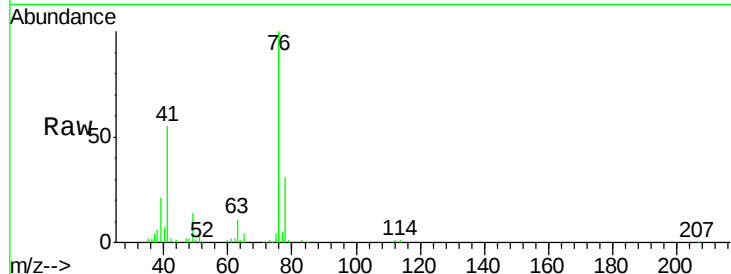
#57
 1,3-Dichloropropane
 Concen: 20.947 ug/l
 RT: 10.80 min Scan# 1486
 Delta R.T. -0.01 min
 Lab File: VY001827.D
 Acq: 03 Mar 2020 12:26

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0303SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.6	25.7	38.5

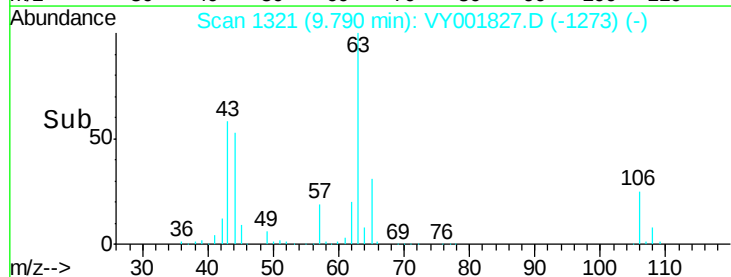
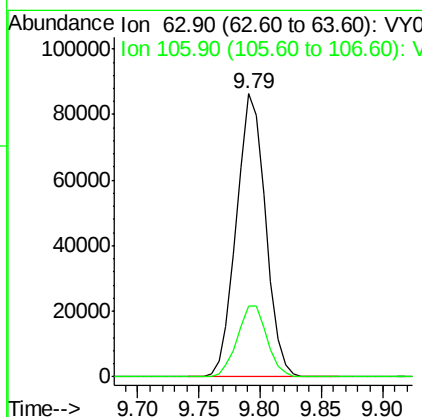
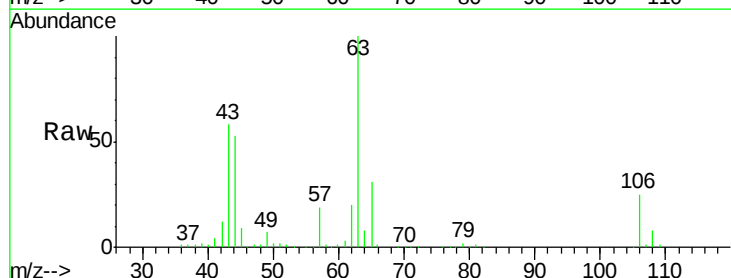
Manual Integrations
 APPROVED

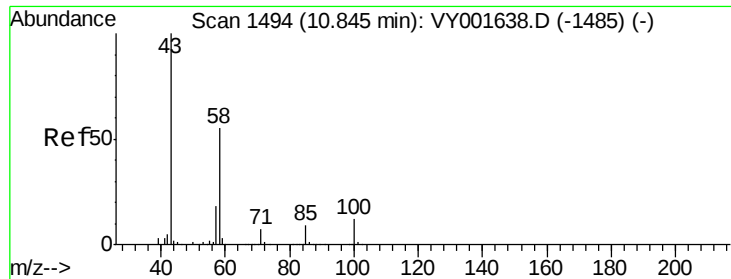
MMDadoda
 3/4/2020 2:01:58 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 133.250 ug/l
 RT: 9.79 min Scan# 1321
 Delta R.T. -0.01 min
 Lab File: VY001827.D
 Acq: 03 Mar 2020 12:26

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.7	21.6	32.4





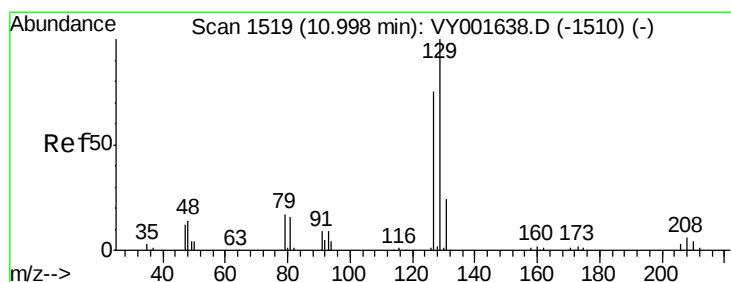
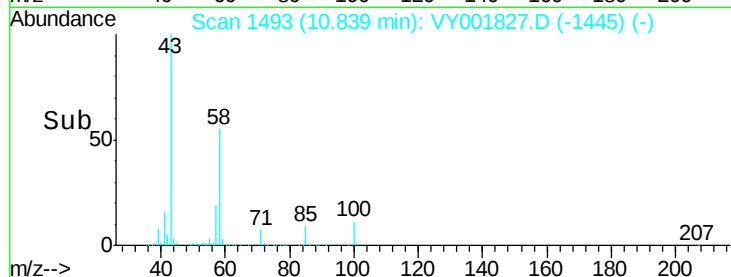
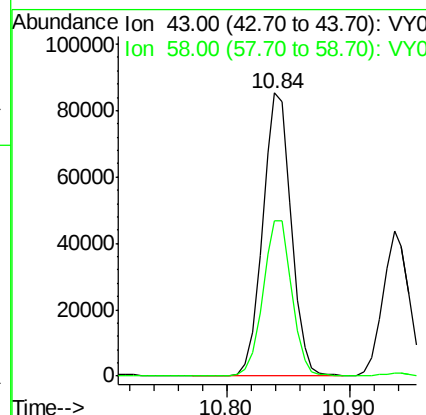
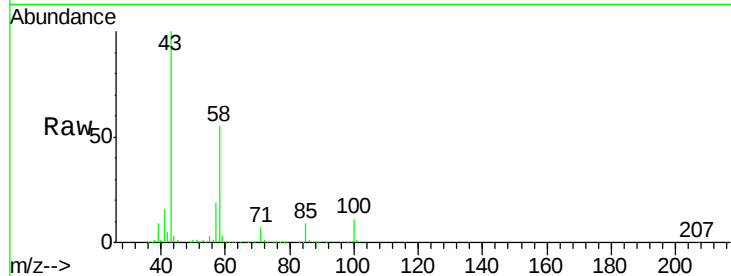
#59
2-Hexanone
Concen: 101.140 ug/l
RT: 10.84 min Scan# 1493
Delta R.T. -0.01 min
Lab File: VY001827.D
Acq: 03 Mar 2020 12:26

Instrument :
MSVOA_Y
ClientSampleId :
VY0303SBS01

Tot Ion: 43 Resp: 138173
Ion Ratio Lower Upper
43 100
58 55.7 28.4 85.2

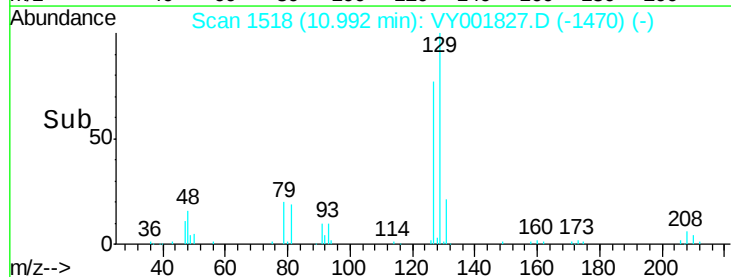
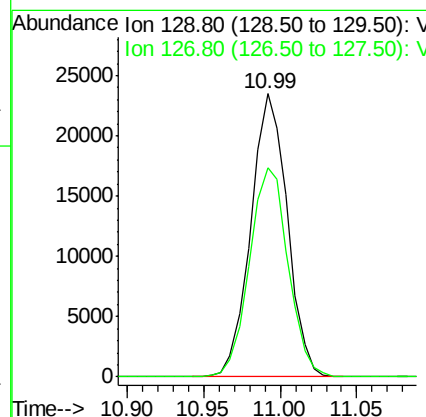
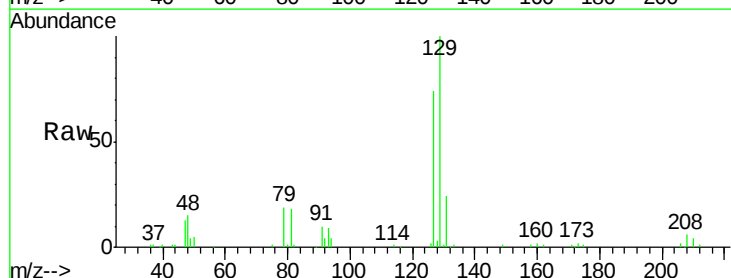
Manual Integrations
APPROVED

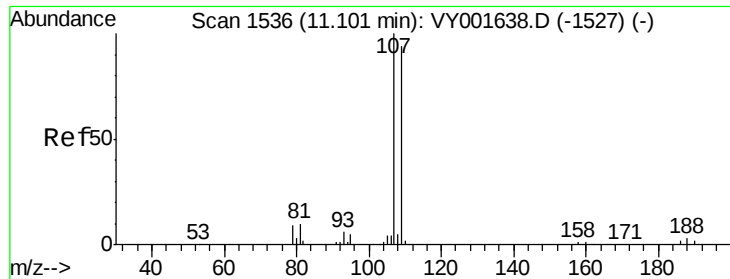
MMDadoda
3/4/2020 2:01:58 PM



#60
Dibromochloromethane
Concen: 19.856 ug/l
RT: 10.99 min Scan# 1518
Delta R.T. -0.01 min
Lab File: VY001827.D
Acq: 03 Mar 2020 12:26

Tgt Ion: 129 Resp: 38916
Ion Ratio Lower Upper
129 100
127 78.4 38.9 116.6





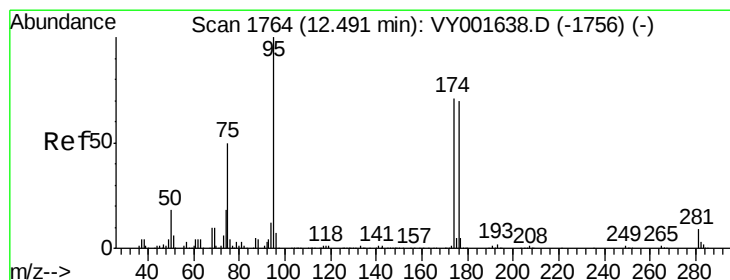
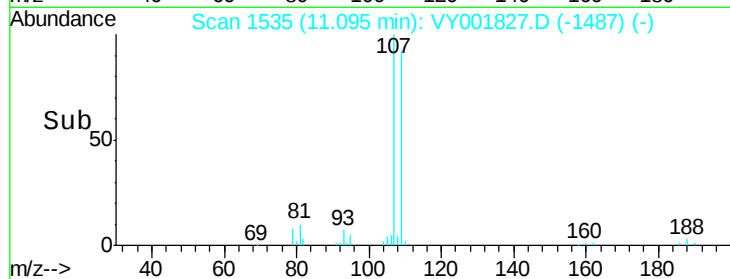
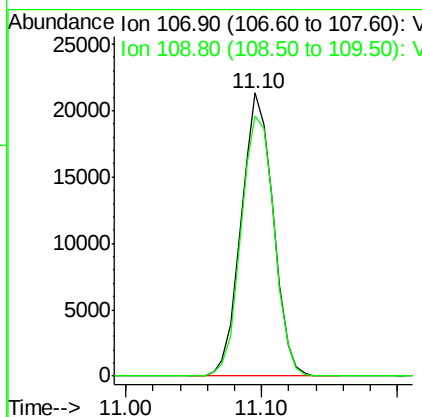
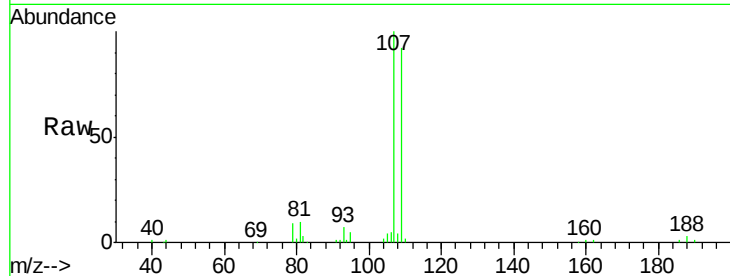
#61
 1,2-Dibromoethane
 Concen: 20.846 ug/l
 RT: 11.10 min Scan# 1535
 Delta R.T. -0.01 min
 Lab File: VY001827.D
 Acq: 03 Mar 2020 12:26

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0303SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.0	74.2	111.4

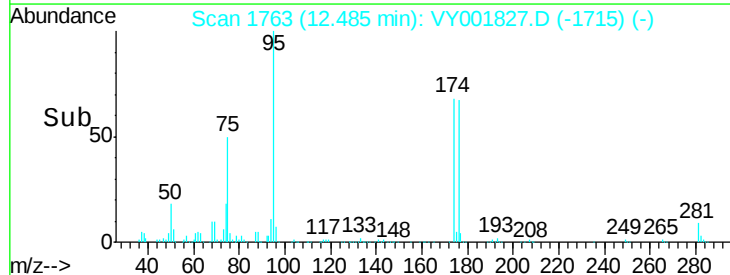
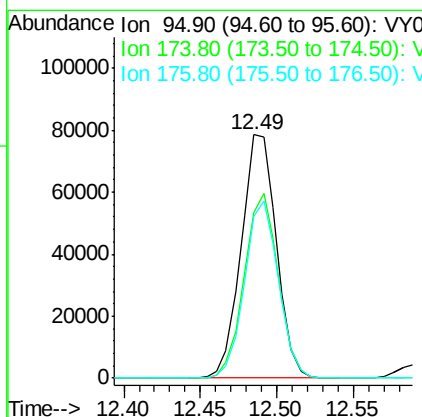
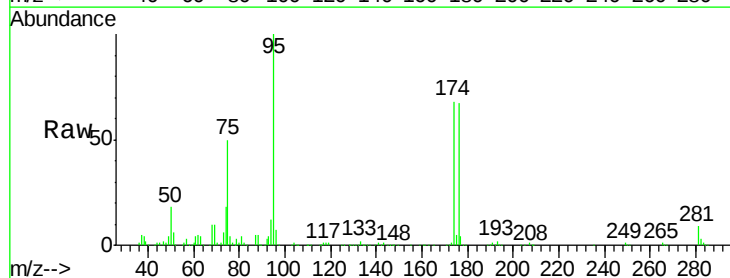
Manual Integrations
 APPROVED

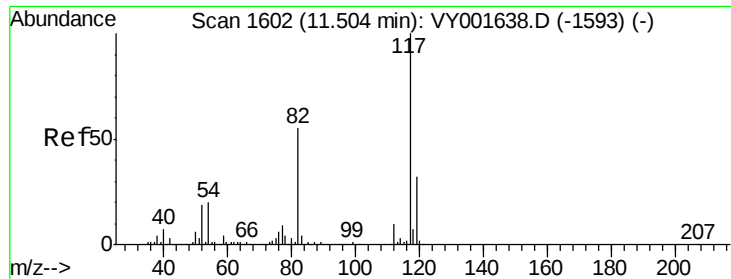
MMDadoda
 3/4/2020 2:01:58 PM



#62
 4-Bromofluorobenzene
 Concen: 43.918 ug/l
 RT: 12.49 min Scan# 1763
 Delta R.T. -0.01 min
 Lab File: VY001827.D
 Acq: 03 Mar 2020 12:26

Tgt Ion	Ratio	Lower	Upper
95	100		
174	73.4	0.0	138.4
176	70.2	0.0	131.8





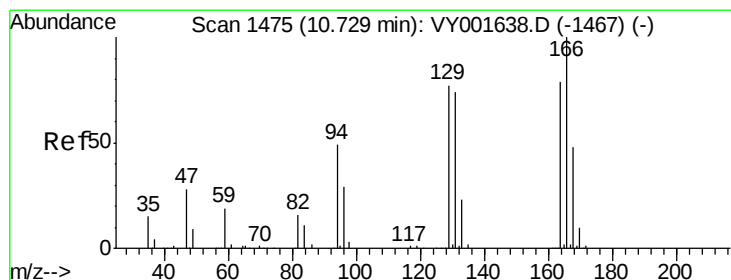
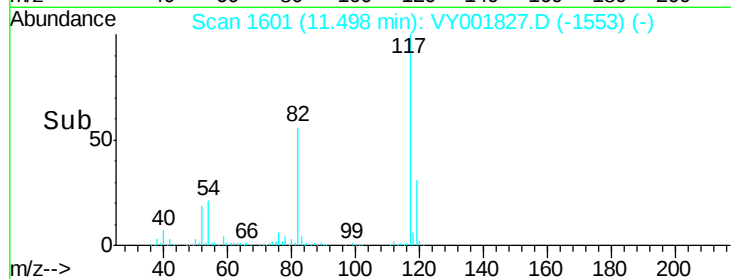
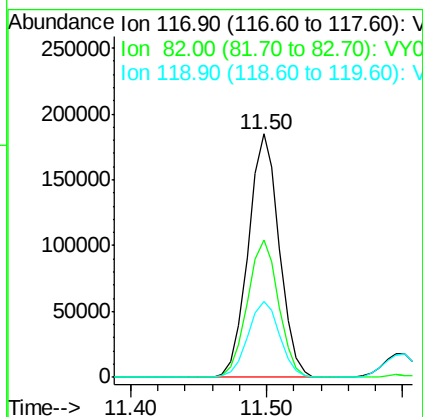
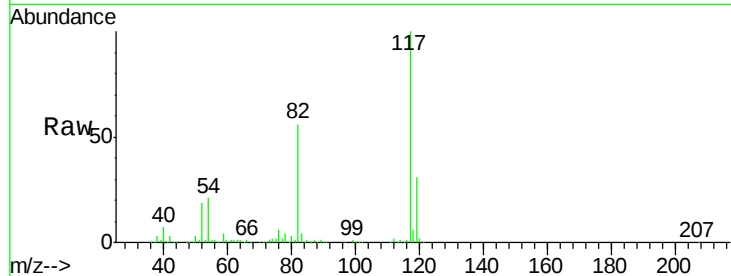
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: VY001827.D
Acq: 03 Mar 2020 12:26

Instrument :
MSVOA_Y
ClientSampleId :
VY0303SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	294380		
82	56.5		45.5	68.3
119	31.2		25.8	38.6

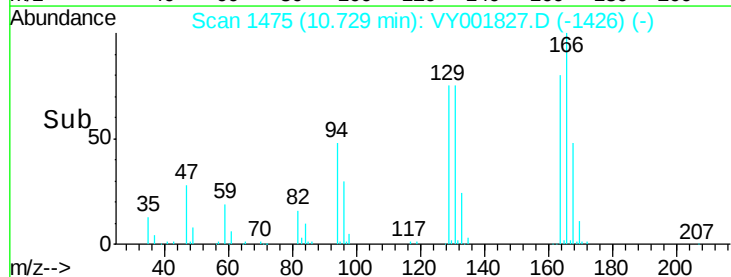
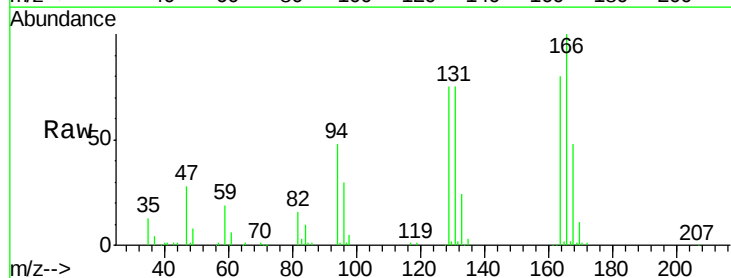
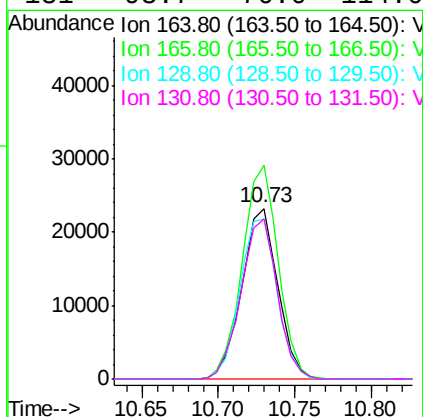
Manual Integrations
APPROVED

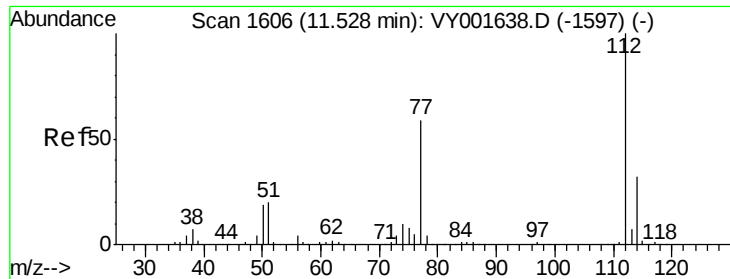
MMDadoda
3/4/2020 2:01:58 PM



#64
Tetrachloroethene
Concen: 20.597 ug/l
RT: 10.73 min Scan# 1475
Delta R.T. -0.00 min
Lab File: VY001827.D
Acq: 03 Mar 2020 12:26

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	38063		
166	125.0		101.4	152.0
129	93.4		78.7	118.1
131	93.7		76.0	114.0





#65

Chlorobenzene

Concen: 20.553 ug/l

RT: 11.52 min Scan# 1605

Delta R.T. -0.01 min

Lab File: VY001827.D

Acq: 03 Mar 2020 12:26

Instrument :

MSVOA_Y

ClientSampleId :

VY0303SBS01

Tot Ion:112 Resp: 120798

Ion Ratio Lower Upper

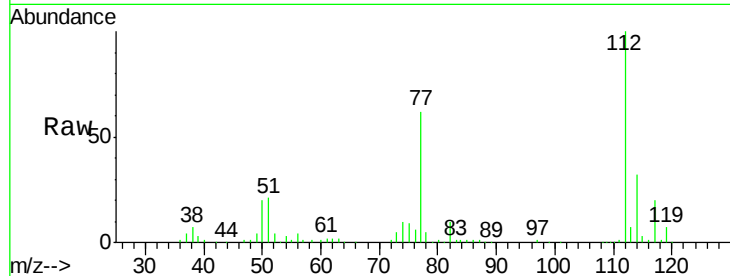
112 100

114 32.0 25.4 38.2

Manual Integrations
APPROVED

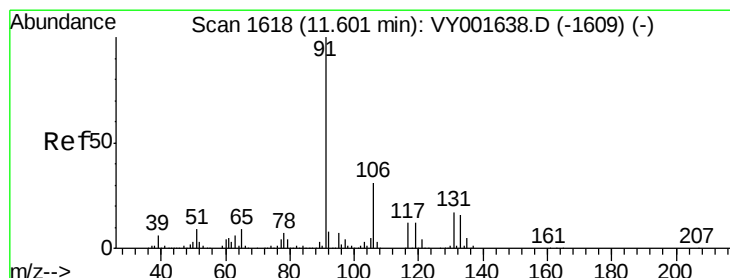
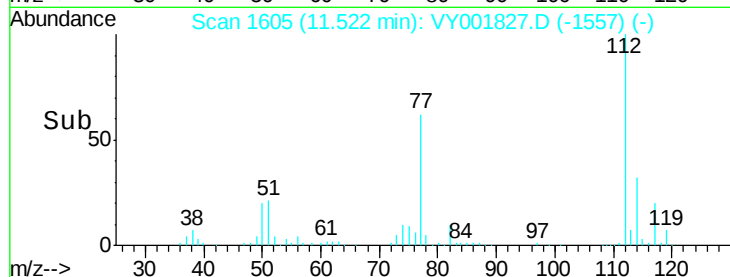
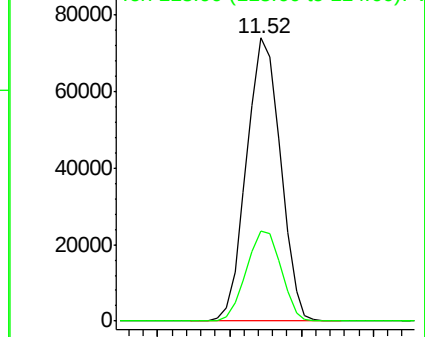
MMDadoda

3/4/2020 2:01:58 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.250 ug/l

RT: 11.60 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VY001827.D

Acq: 03 Mar 2020 12:26

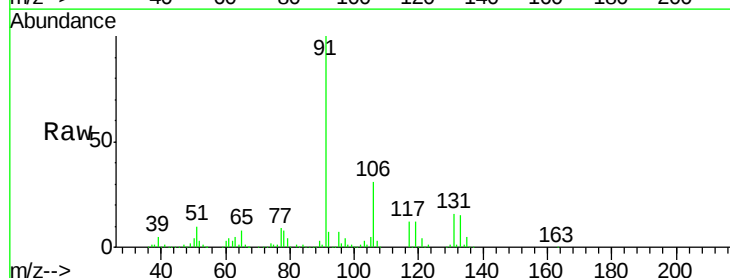
Tgt Ion:131 Resp: 40147

Ion Ratio Lower Upper

131 100

133 95.8 47.4 142.2

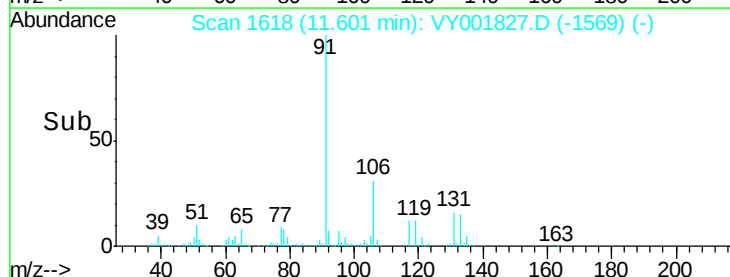
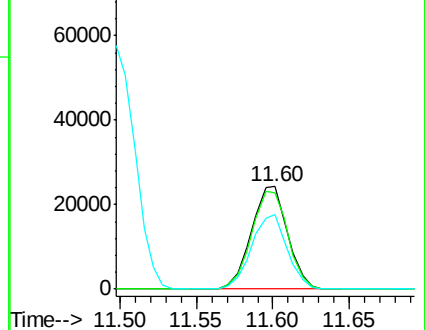
119 71.7 34.4 103.1

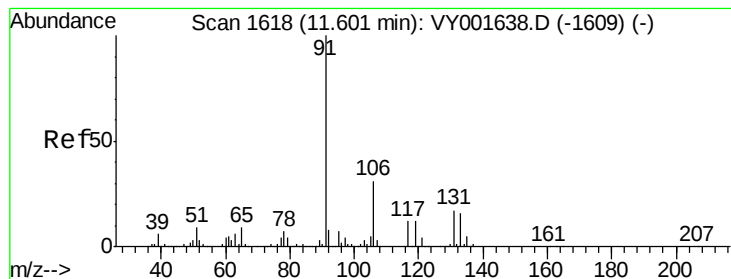


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 20.685 ug/l

RT: 11.60 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VY001827.D

Acq: 03 Mar 2020 12:26

Instrument :

MSVOA_Y

ClientSampleId :

VY0303SBS01

Tot Ion: 91 Resp: 225606

Ion Ratio Lower Upper

91 100

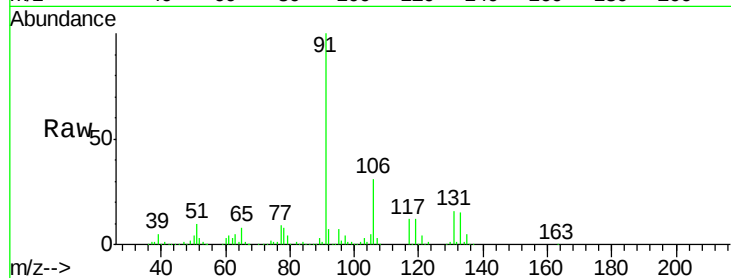
106 31.2 24.5 36.7

Manual Integrations

APPROVED

MMDadoda

3/4/2020 2:01:58 PM



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 106.00 (105.70 to 106.70): V

200000

150000

100000

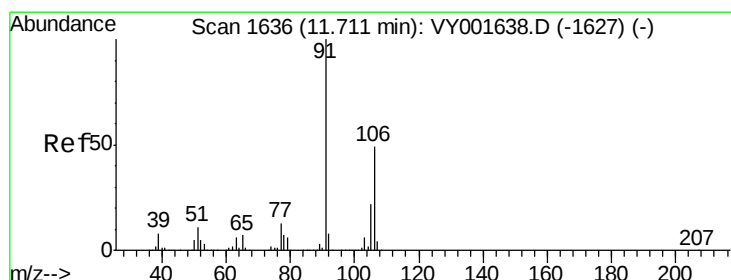
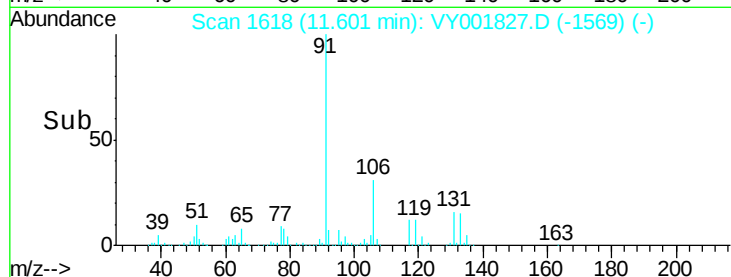
50000

0

11.50

11.60

Time-->



#68

m/p-Xylenes

Concen: 41.203 ug/l

RT: 11.71 min Scan# 1636

Delta R.T. -0.00 min

Lab File: VY001827.D

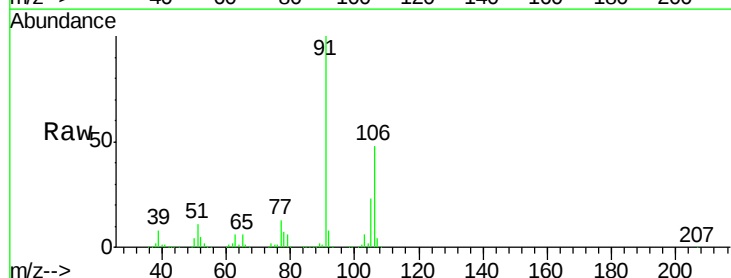
Acq: 03 Mar 2020 12:26

Tgt Ion: 106 Resp: 167869

Ion Ratio Lower Upper

106 100

91 204.2 163.3 244.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0

200000

150000

100000

50000

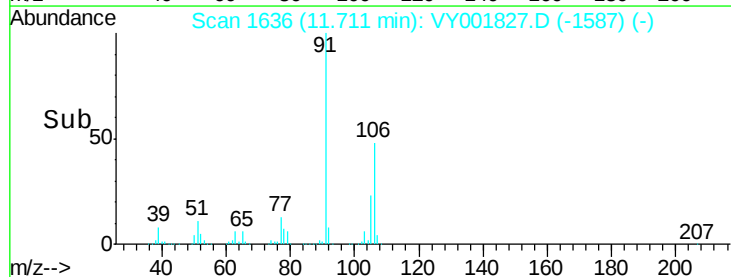
0

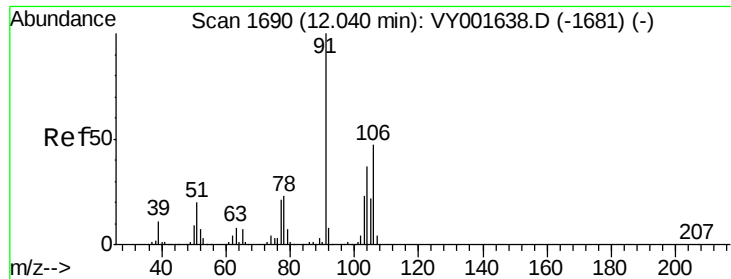
11.60

11.70

11.80

Time-->





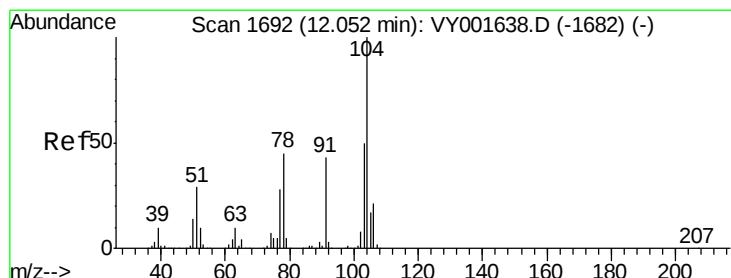
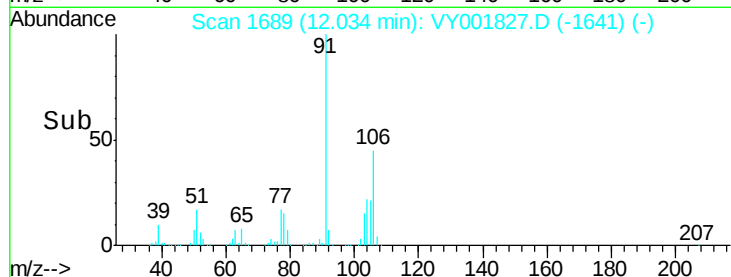
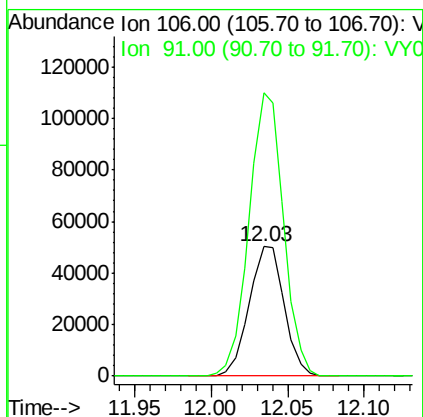
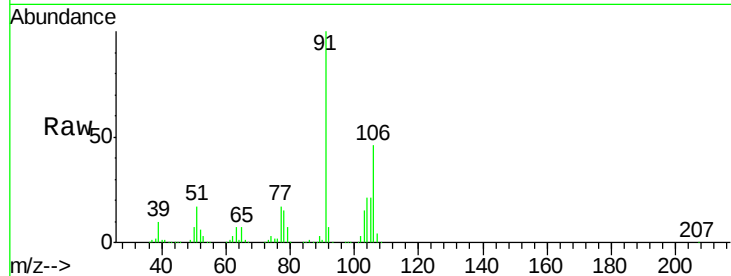
#69
o-Xylene
Concen: 20.775 ug/l
RT: 12.03 min Scan# 1689
Delta R.T. -0.01 min
Lab File: VY001827.D
Acq: 03 Mar 2020 12:26

Instrument :
MSVOA_Y
ClientSampleId :
VY0303SBS01

Tot Ion:106 Resp: 80467
Ion Ratio Lower Upper
106 100
91 214.3 108.3 324.9

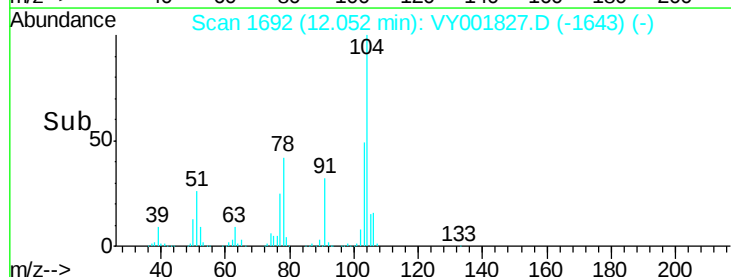
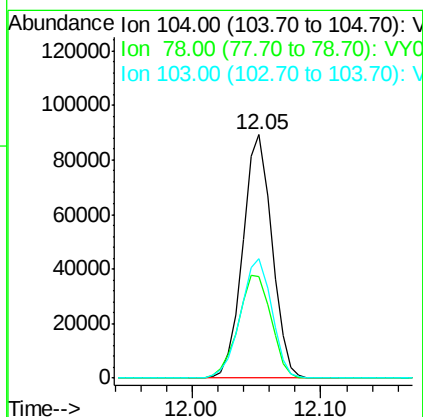
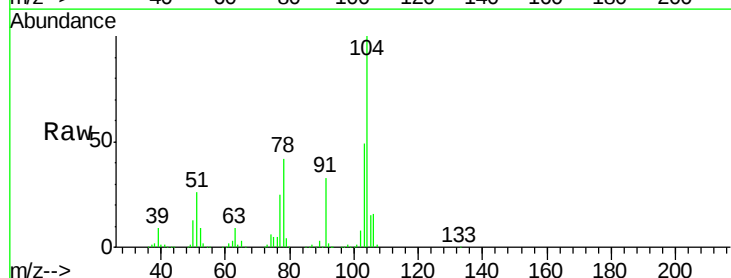
Manual Integrations
APPROVED

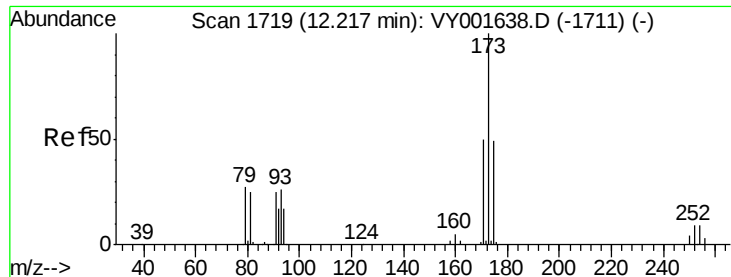
MMDadoda
3/4/2020 2:01:58 PM



#70
Styrene
Concen: 20.696 ug/l
RT: 12.05 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VY001827.D
Acq: 03 Mar 2020 12:26

Tgt Ion:104 Resp: 139313
Ion Ratio Lower Upper
104 100
78 48.1 39.2 58.8
103 53.0 43.0 64.6





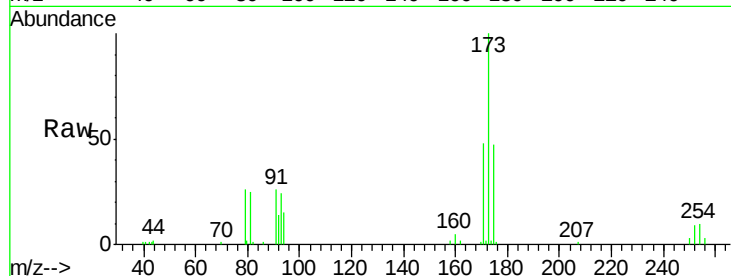
#71
Bromoform
Concen: 20.228 ug/l
RT: 12.22 min Scan# 1719
Delta R.T. -0.00 min
Lab File: VY001827.D
Acq: 03 Mar 2020 12:26

Instrument :
MSVOA_Y
ClientSampleId :
VY0303SBS01

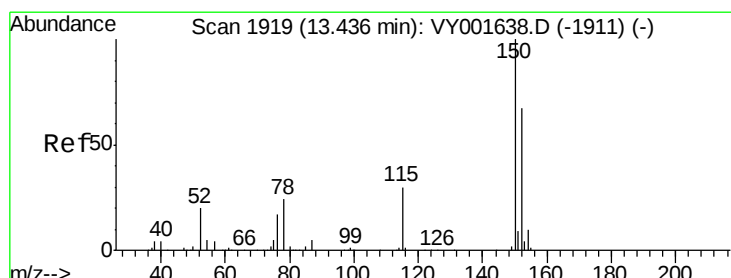
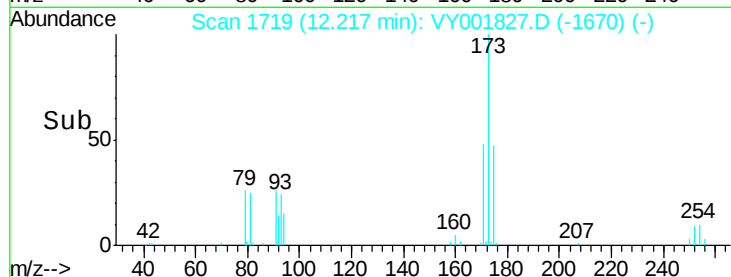
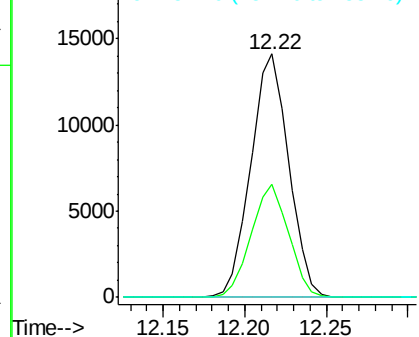
Tot Ion	Ratio	Lower	Upper
173	100		
175	45.8	24.3	73.0
254	0.0	0.1	0.1#

Manual Integrations
APPROVED

MMDadoda
3/4/2020 2:01:58 PM

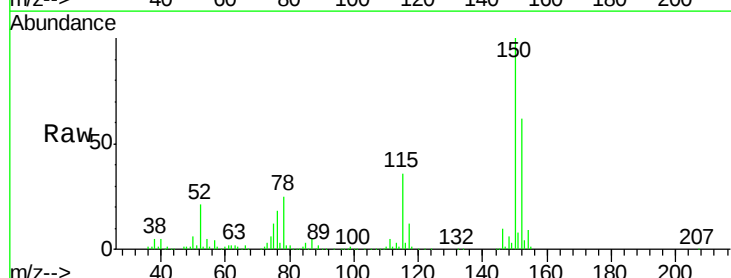


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

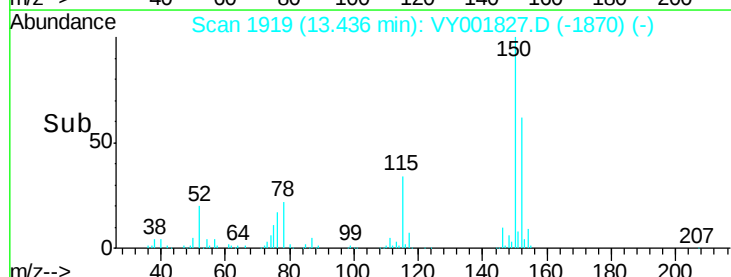
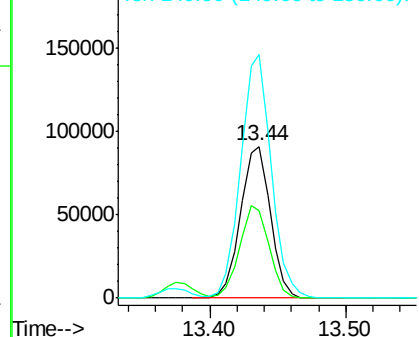


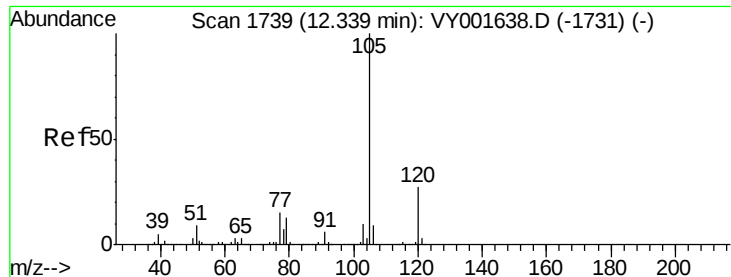
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1919
Delta R.T. -0.00 min
Lab File: VY001827.D
Acq: 03 Mar 2020 12:26

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.4	31.4	94.2
150	164.5	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





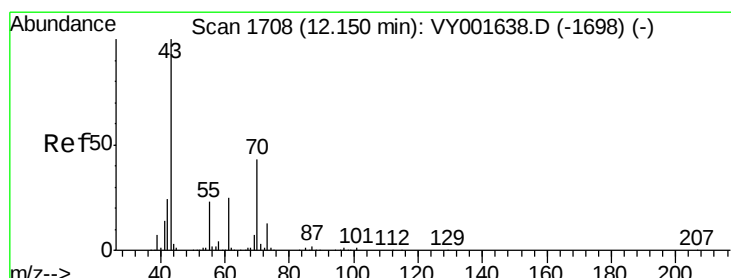
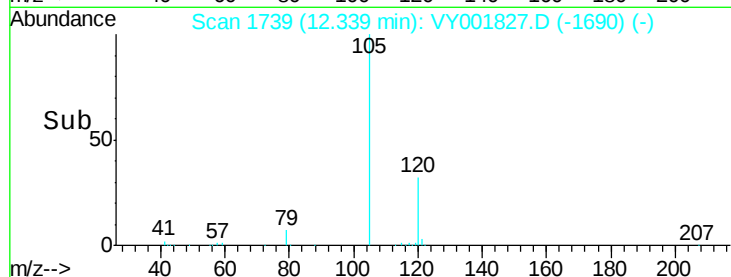
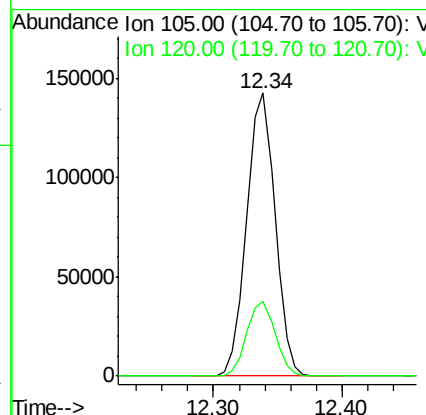
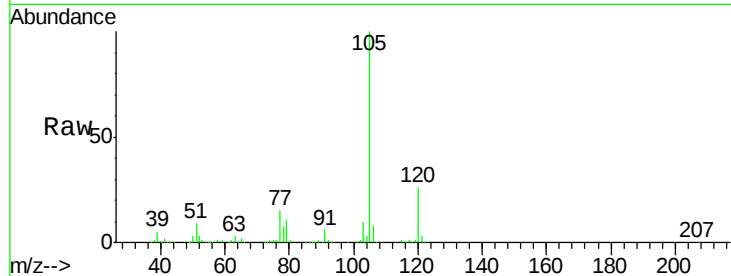
#73
Isopropylbenzene
Concen: 20.465 ug/l
RT: 12.34 min Scan# 1739
Delta R.T. -0.00 min
Lab File: VY001827.D
Acq: 03 Mar 2020 12:26

Instrument :
MSVOA_Y
ClientSampleId :
VY0303SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	217028		
120	26.4		13.4	40.1

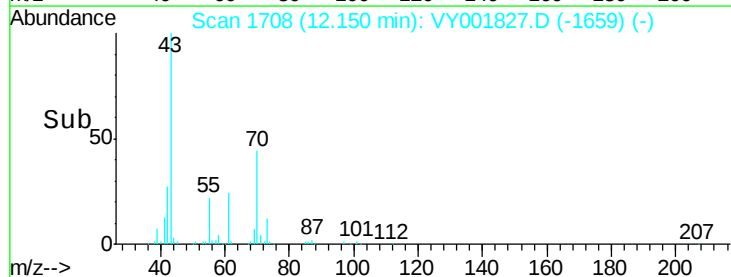
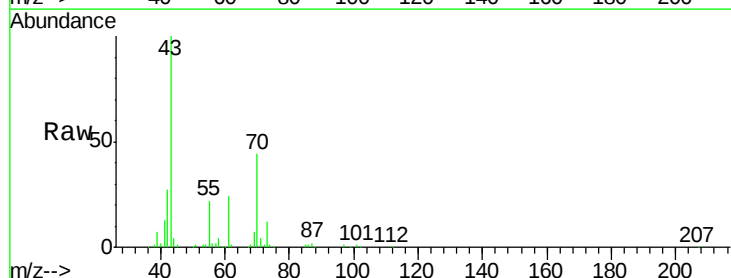
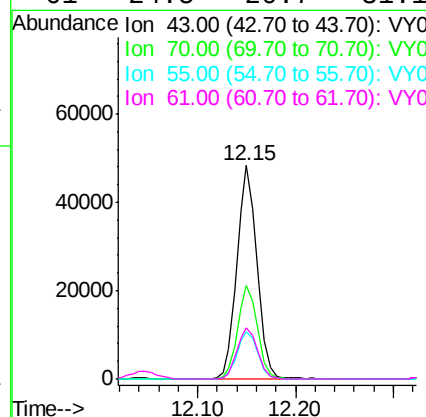
Manual Integrations
APPROVED

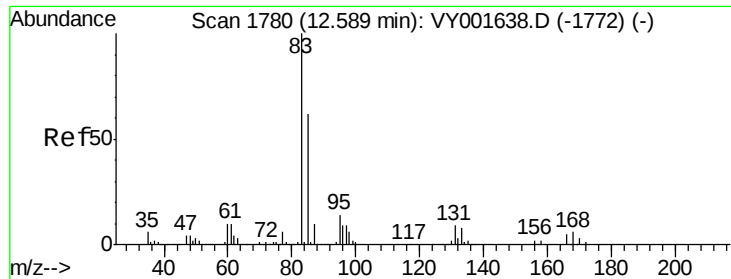
MMDadoda
3/4/2020 2:01:58 PM



#74
N-ethyl acetate
Concen: 20.383 ug/l
RT: 12.15 min Scan# 1708
Delta R.T. -0.00 min
Lab File: VY001827.D
Acq: 03 Mar 2020 12:26

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	68986		
70	43.0		35.9	53.9
55	23.0		18.3	27.5
61	24.5		20.7	31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 20.648 ug/l

RT: 12.59 min Scan# 1780

Delta R.T. -0.00 min

Lab File: VY001827.D

Acq: 03 Mar 2020 12:26

Instrument :

MSVOA_Y

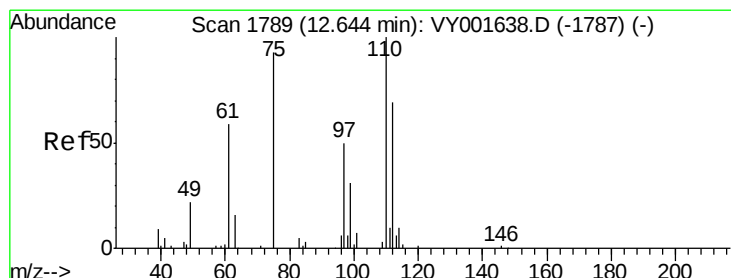
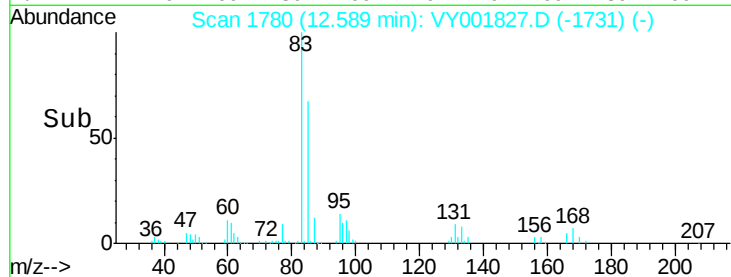
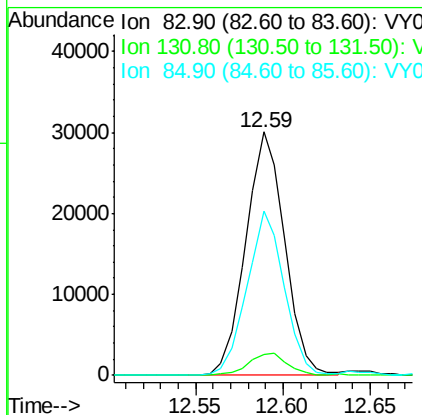
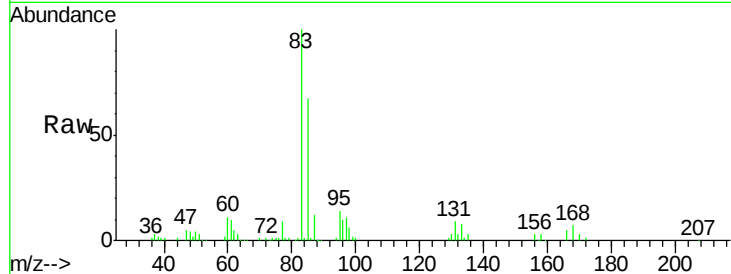
ClientSampleId :

VY0303SBS01

Tot Ion:	83	Resp:	46754
Ion	Ratio	Lower	Upper
83	100		
131	9.3	4.7	14.1
85	64.5	31.6	94.7

Manual Integrations
APPROVED

MMDadoda
3/4/2020 2:01:58 PM



#76

1,2,3-Trichloropropane

Concen: 22.002 ug/l m

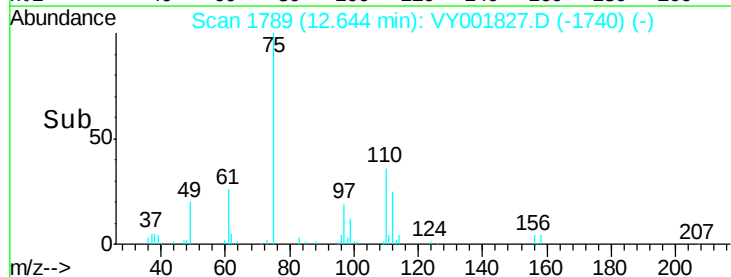
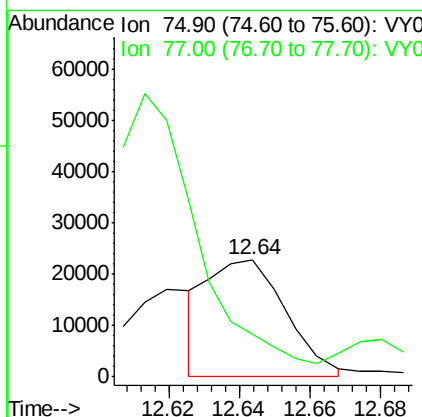
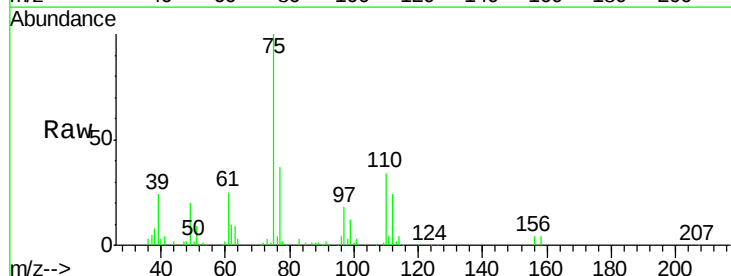
RT: 12.64 min Scan# 1789

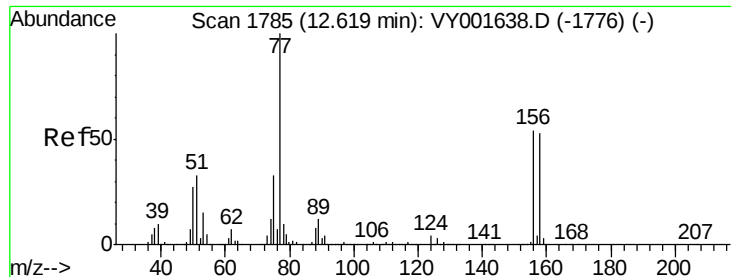
Delta R.T. -0.00 min

Lab File: VY001827.D

Acq: 03 Mar 2020 12:26

Tgt Ion:	75	Resp:	35133
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.554 ug/l

RT: 12.61 min Scan# 1784

Delta R.T. -0.01 min

Lab File: VY001827.D

Acq: 03 Mar 2020 12:26

Instrument :

MSVOA_Y

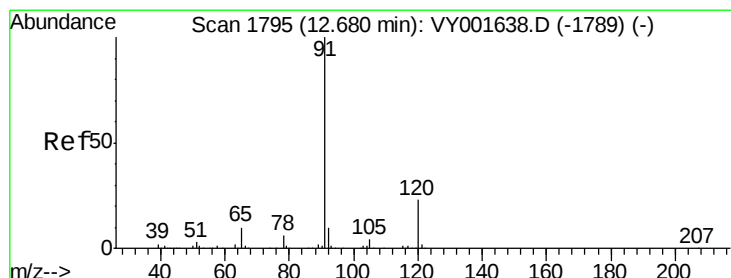
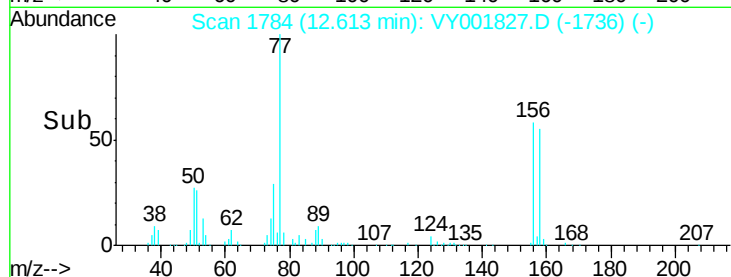
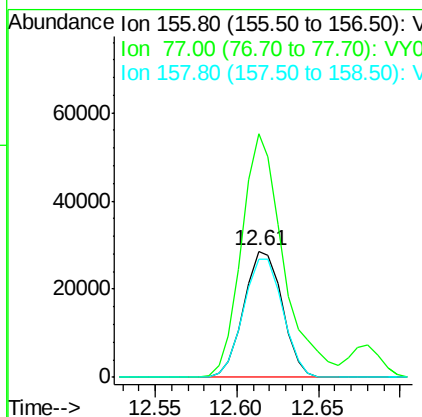
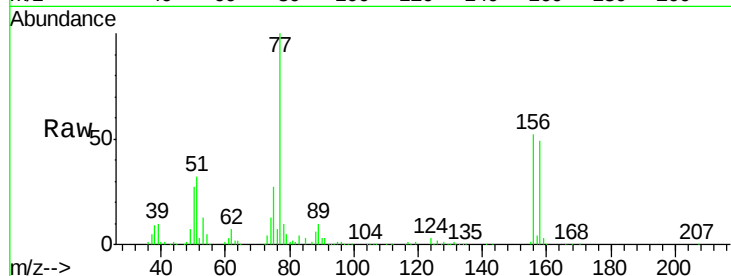
ClientSampleId :

VY0303SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	209.9	110.1	330.1
158	95.9	47.9	143.7

Manual Integrations
APPROVED

MMDadoda
3/4/2020 2:01:58 PM



#78

n-propylbenzene

Concen: 20.679 ug/l

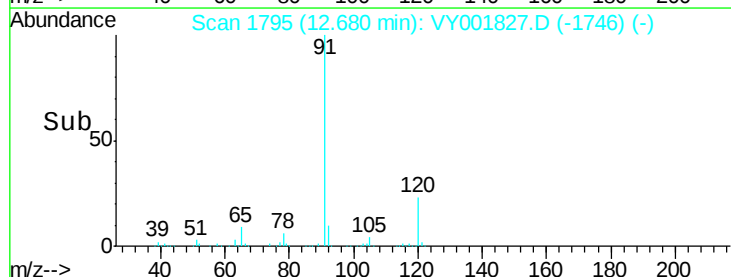
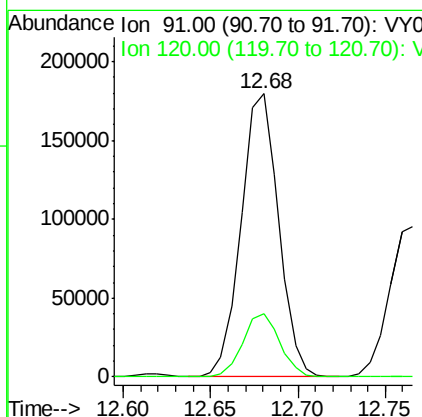
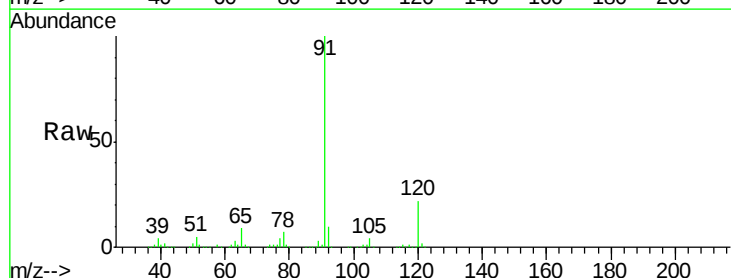
RT: 12.68 min Scan# 1795

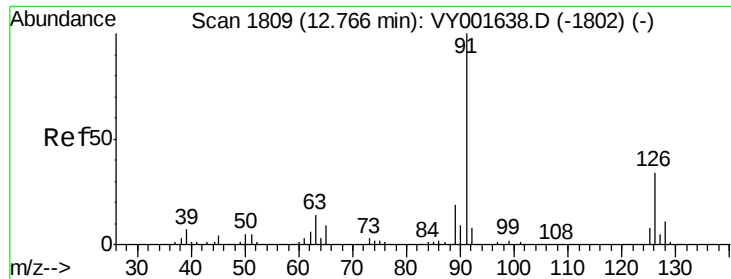
Delta R.T. -0.00 min

Lab File: VY001827.D

Acq: 03 Mar 2020 12:26

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.1	11.1	33.1





#79

2-Chlorotoluene

Concen: 20.455 ug/l

RT: 12.77 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VY001827.D

Acq: 03 Mar 2020 12:26

Instrument :

MSVOA_Y

ClientSampleId :

VY0303SBS01

Tot Ion: 91 Resp: 148173

Ion Ratio Lower Upper

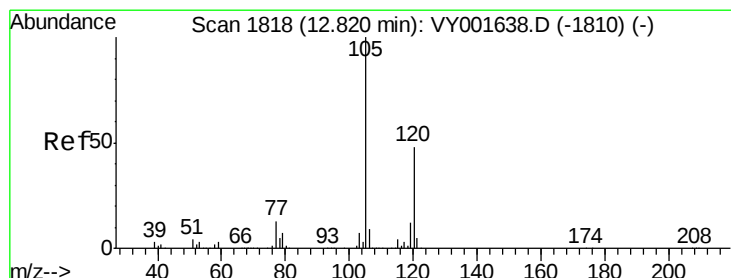
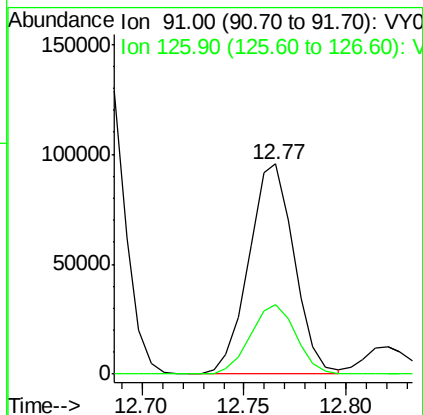
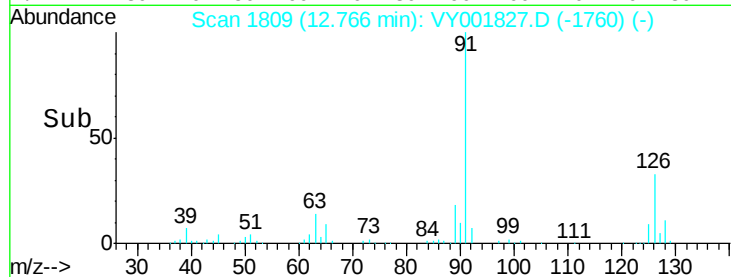
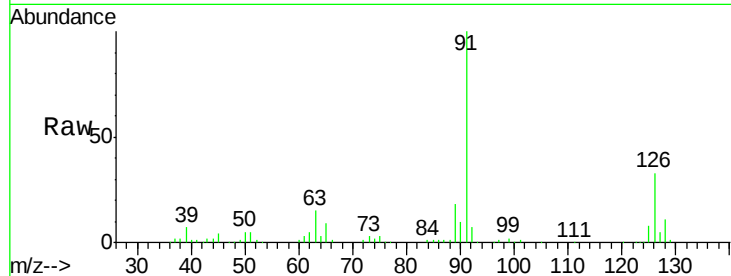
91 100

126 33.3 16.2 48.6

Manual Integrations
APPROVED

MMDadoda

3/4/2020 2:01:58 PM



#80

1,3,5-Trimethylbenzene

Concen: 20.555 ug/l

RT: 12.82 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VY001827.D

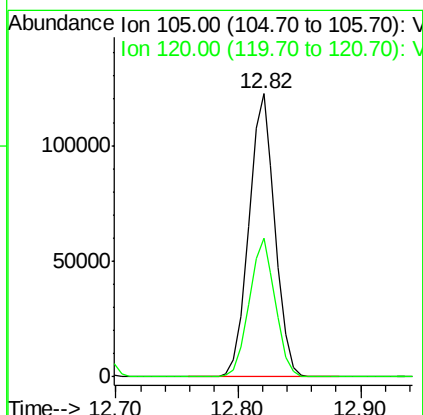
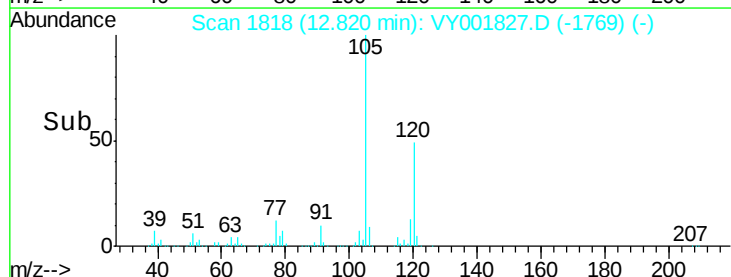
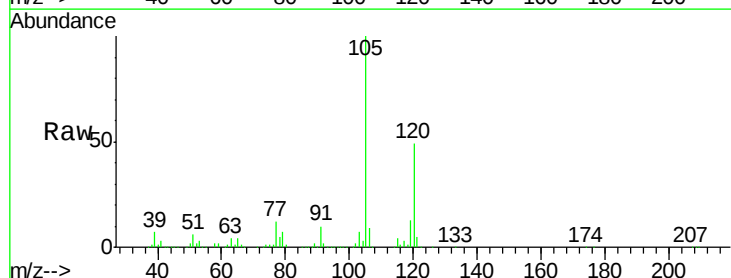
Acq: 03 Mar 2020 12:26

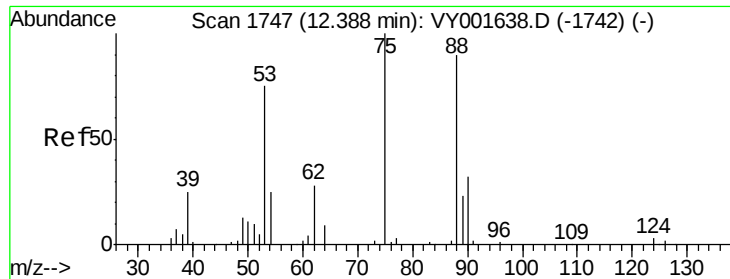
Tgt Ion: 105 Resp: 180440

Ion Ratio Lower Upper

105 100

120 48.9 24.3 72.9





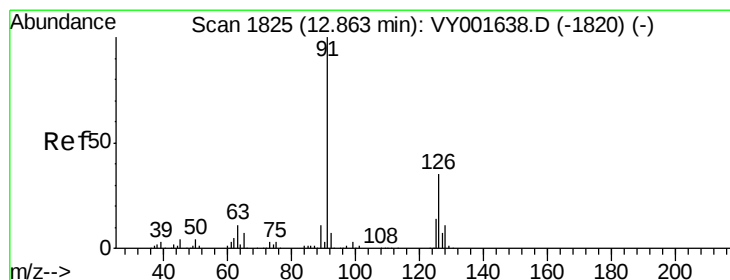
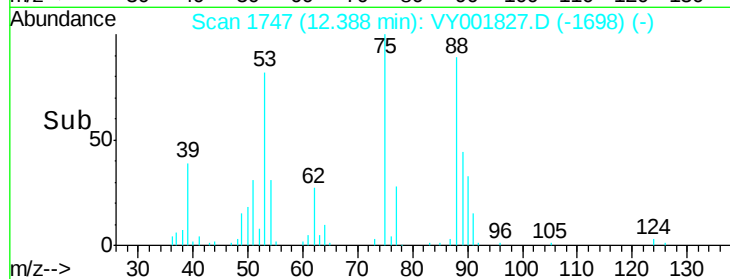
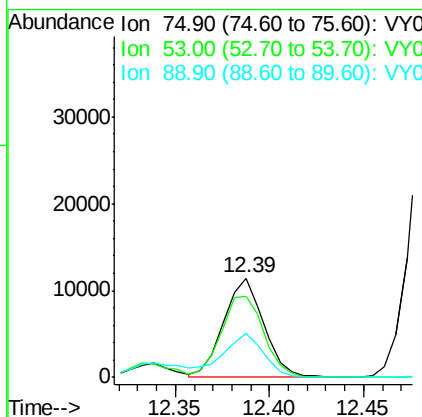
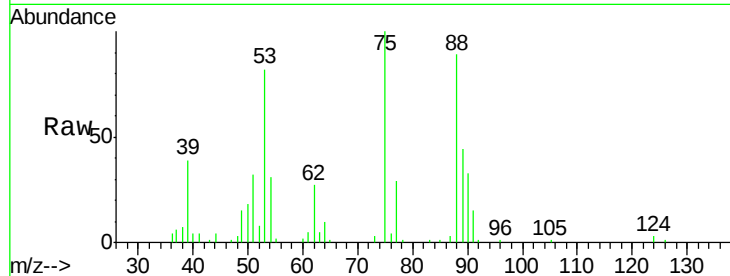
#81
trans-1,4-Dichloro-2-butene
Concen: 19.988 ug/l
RT: 12.39 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VY001827.D
Acq: 03 Mar 2020 12:26

Instrument :
MSVOA_Y
ClientSampleId :
VY0303SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	87.3	64.5	96.7
89	45.9	36.3	54.5

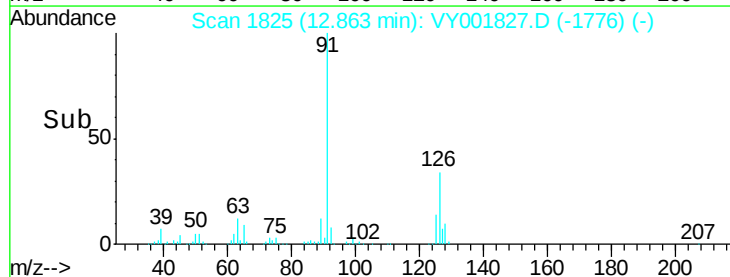
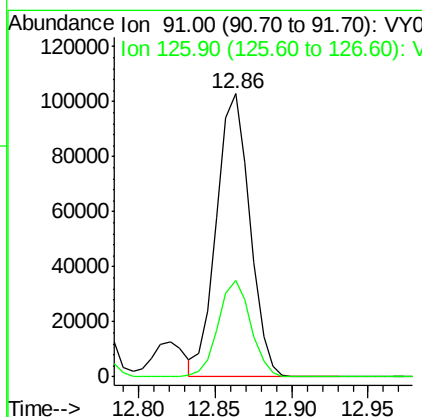
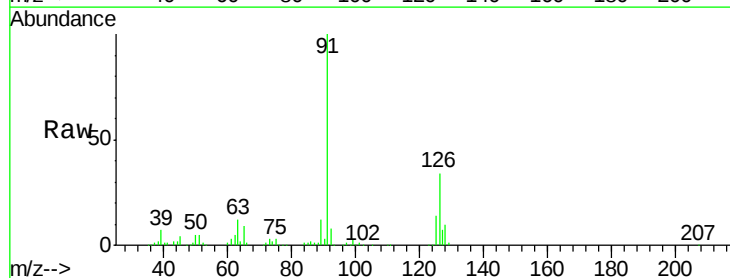
Manual Integrations
APPROVED

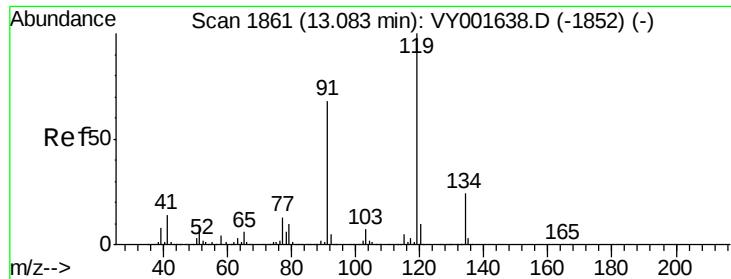
MMDadoda
3/4/2020 2:01:58 PM



#82
4-Chlorotoluene
Concen: 20.413 ug/l
RT: 12.86 min Scan# 1825
Delta R.T. -0.00 min
Lab File: VY001827.D
Acq: 03 Mar 2020 12:26

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.2	16.2	48.6





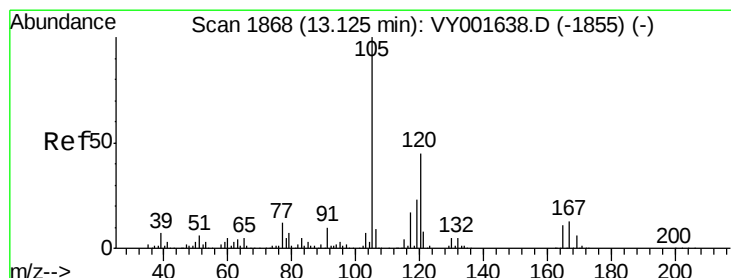
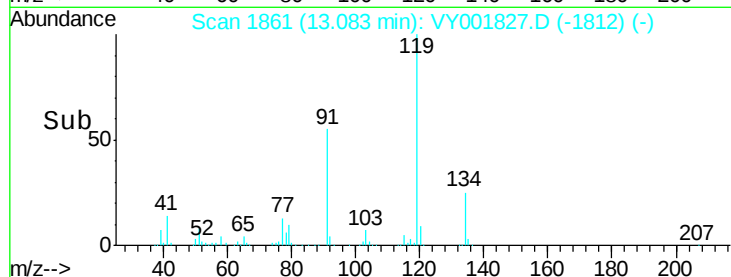
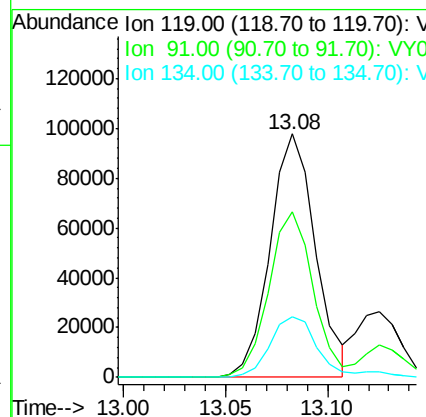
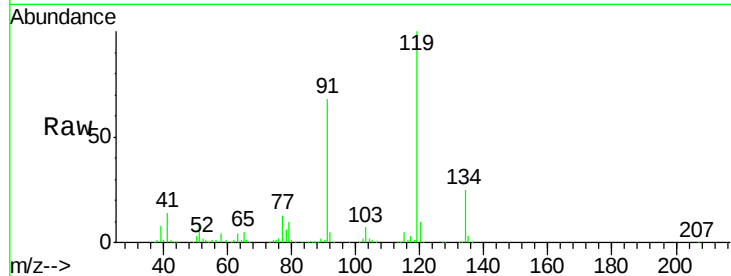
#83
tert-Butylbenzene
Concen: 20.613 ug/l
RT: 13.08 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VY001827.D
Acq: 03 Mar 2020 12:26

Instrument :
MSVOA_Y
ClientSampleId :
VY0303SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	151336		
91	66.5	33.5	100.5	
134	25.6	13.3	39.8	

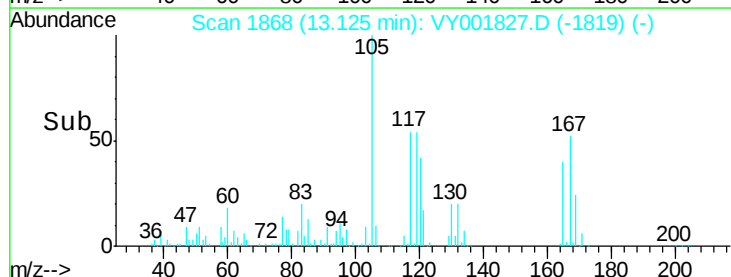
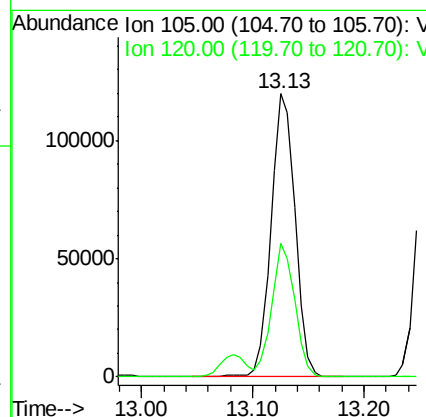
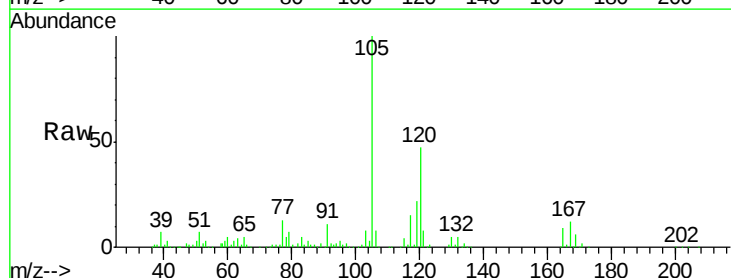
Manual Integrations
APPROVED

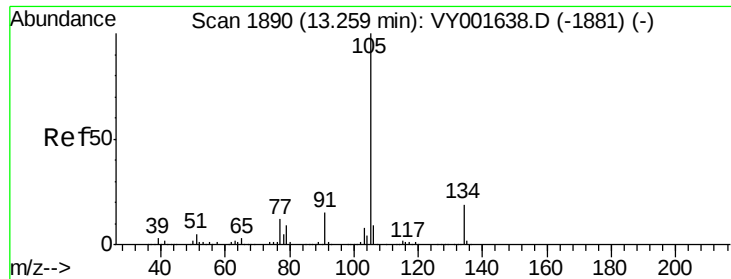
MMDadoda
3/4/2020 2:01:58 PM



#84
1,2,4-Trimethylbenzene
Concen: 20.657 ug/l
RT: 13.13 min Scan# 1868
Delta R.T. -0.00 min
Lab File: VY001827.D
Acq: 03 Mar 2020 12:26

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	180787		
120	45.1	22.4	67.3	





#85

sec-Butylbenzene

Concen: 20.625 ug/l

RT: 13.26 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VY001827.D

Acq: 03 Mar 2020 12:26

Instrument :

MSVOA_Y

ClientSampleId :

VY0303SBS01

Tot Ion:105 Resp: 222710

Ion Ratio Lower Upper

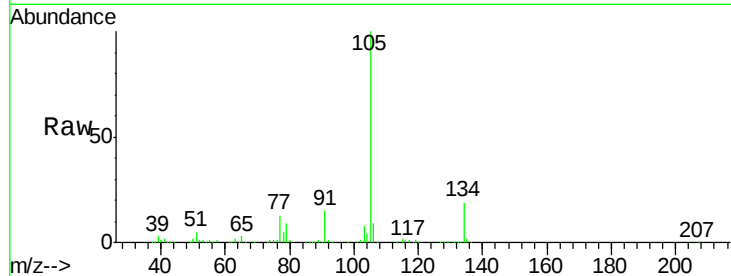
105 100

134 19.4 9.8 29.3

Manual Integrations
APPROVED

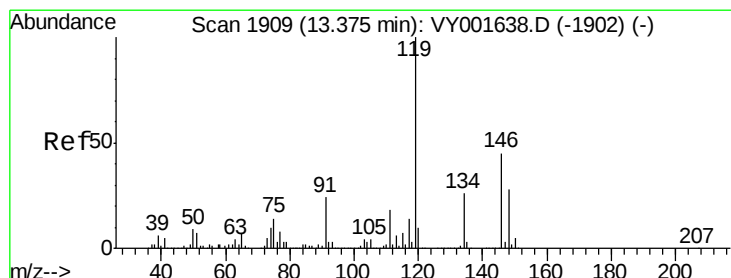
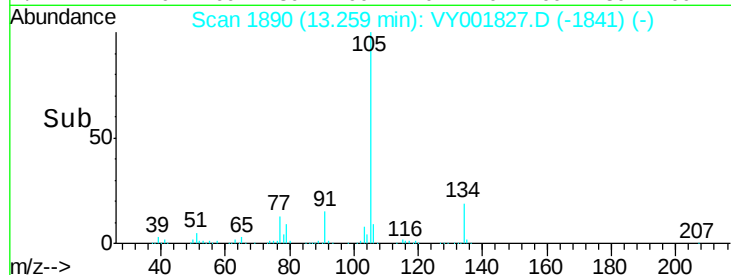
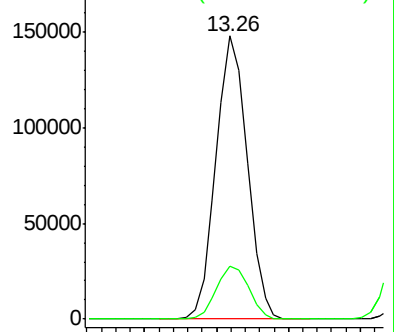
MMDadoda

3/4/2020 2:01:58 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.969 ug/l

RT: 13.38 min Scan# 1909

Delta R.T. -0.00 min

Lab File: VY001827.D

Acq: 03 Mar 2020 12:26

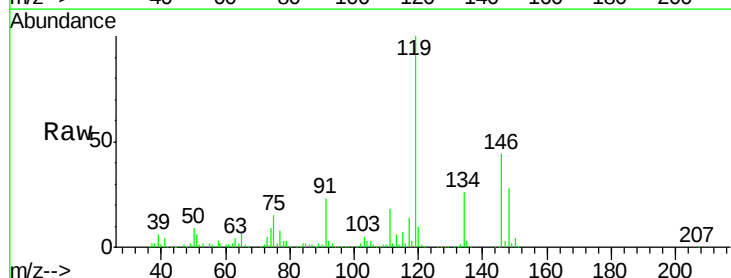
Tgt Ion:119 Resp: 196701

Ion Ratio Lower Upper

119 100

134 26.1 13.0 39.0

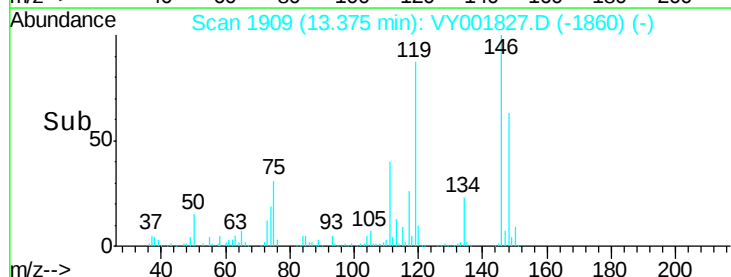
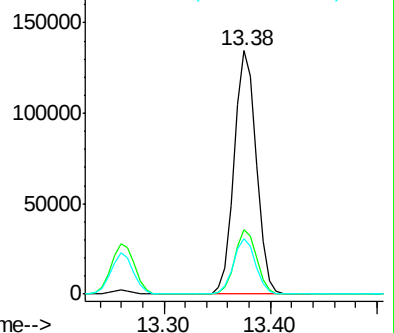
91 22.7 12.2 36.6

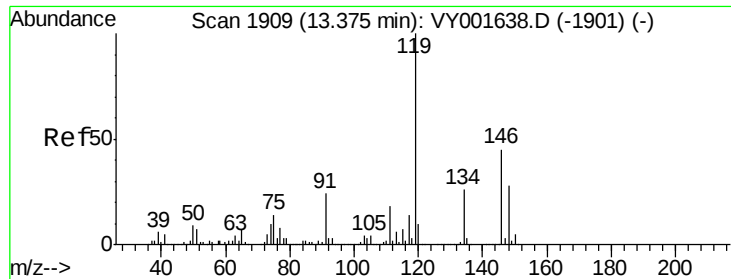


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0





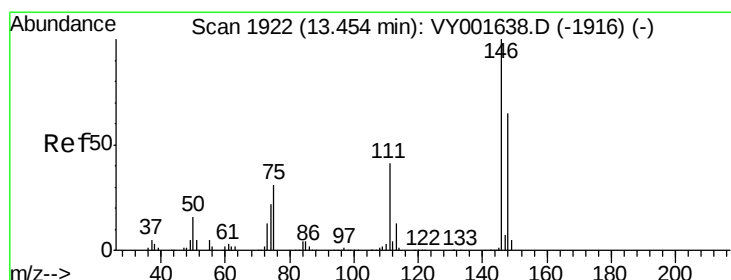
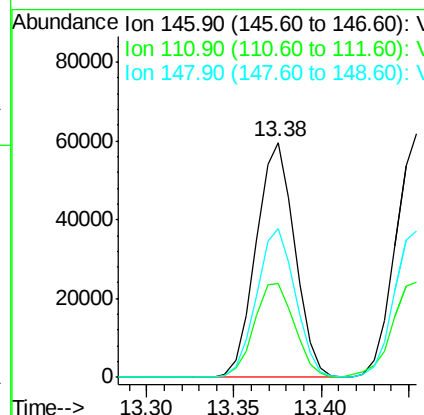
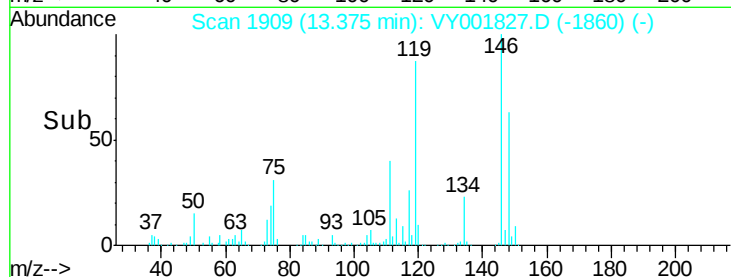
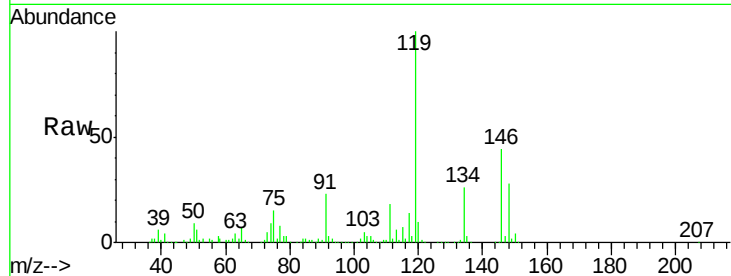
#87
 1,3-Dichlorobenzene
 Concen: 20.493 ug/l
 RT: 13.38 min Scan# 1909
 Delta R.T. -0.00 min
 Lab File: VY001827.D
 Acq: 03 Mar 2020 12:26

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0303SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.9	21.4	64.3
148	63.7	31.6	94.7

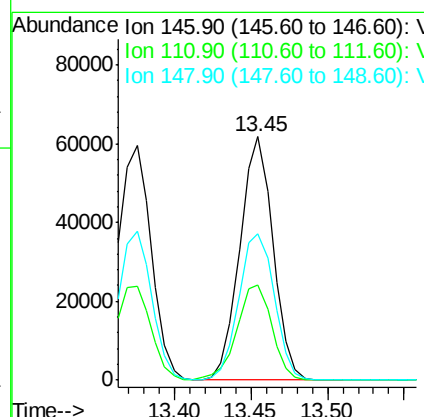
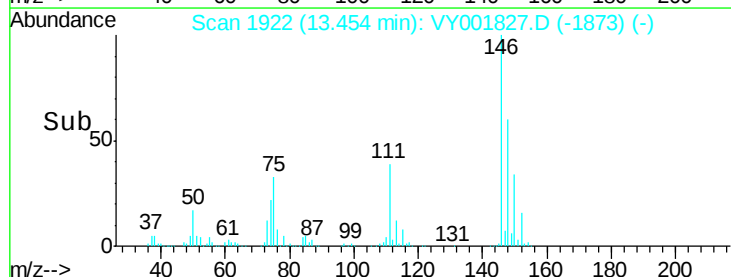
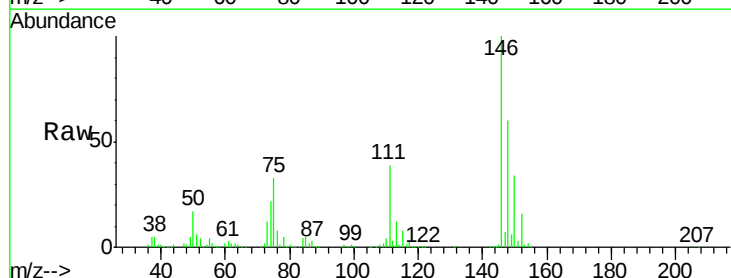
Manual Integrations
 APPROVED

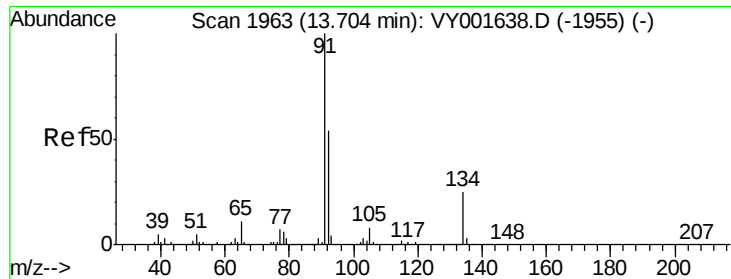
MMDadoda
 3/4/2020 2:01:58 PM



#88
 1,4-Dichlorobenzene
 Concen: 20.666 ug/l
 RT: 13.45 min Scan# 1922
 Delta R.T. -0.00 min
 Lab File: VY001827.D
 Acq: 03 Mar 2020 12:26

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.4	61.3
148	64.4	31.6	94.7





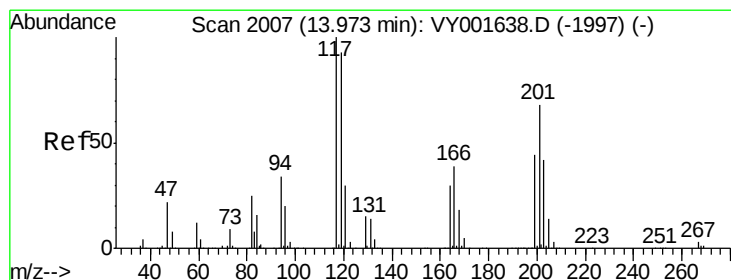
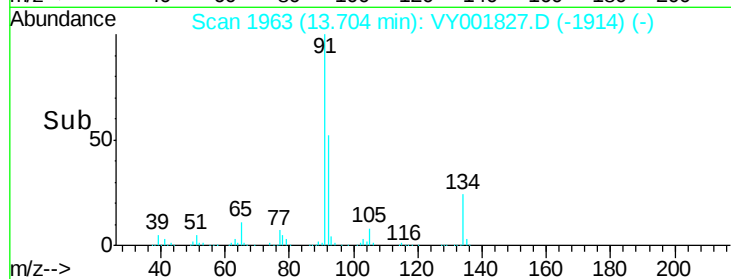
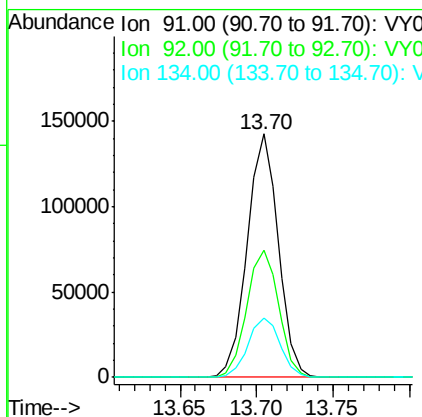
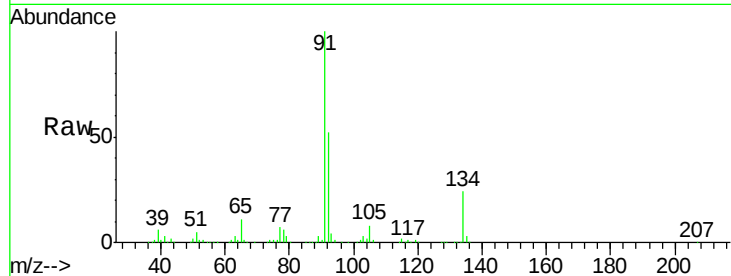
#89
n-Butylbenzene
Concen: 21.013 ug/l
RT: 13.70 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VY001827.D
Acq: 03 Mar 2020 12:26

Instrument :
MSVOA_Y
ClientSampleId :
VY0303SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	201413		
92	53.7		27.5	82.4
134	25.2		12.4	37.4

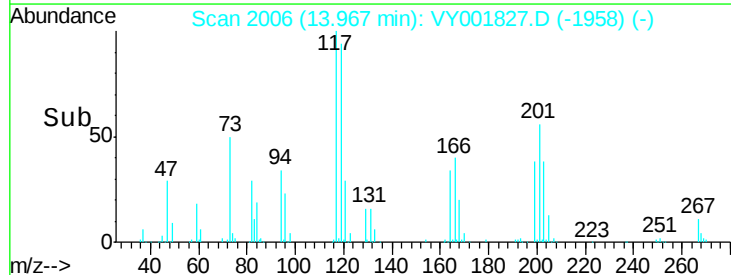
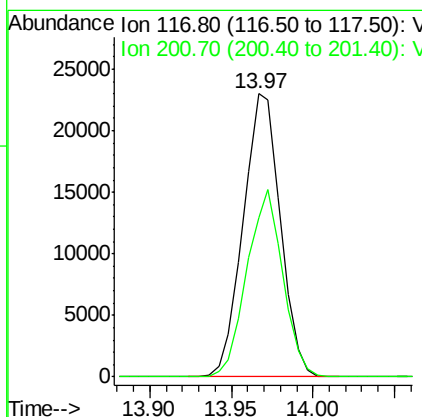
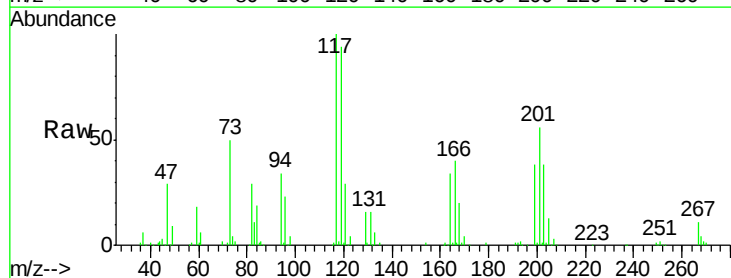
Manual Integrations
APPROVED

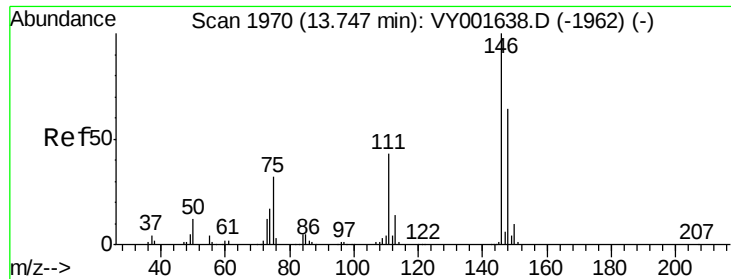
MMDadoda
3/4/2020 2:01:58 PM



#90
Hexachloroethane
Concen: 20.721 ug/l
RT: 13.97 min Scan# 2006
Delta R.T. -0.01 min
Lab File: VY001827.D
Acq: 03 Mar 2020 12:26

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	36622		
201	63.4		32.5	97.4





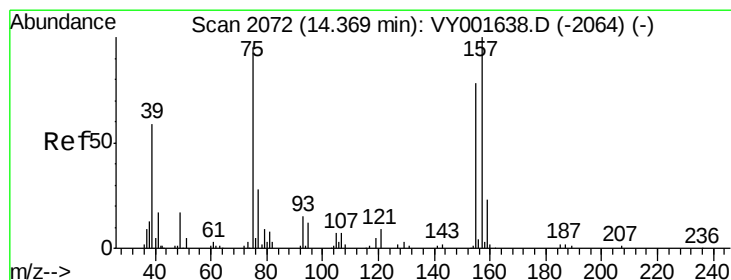
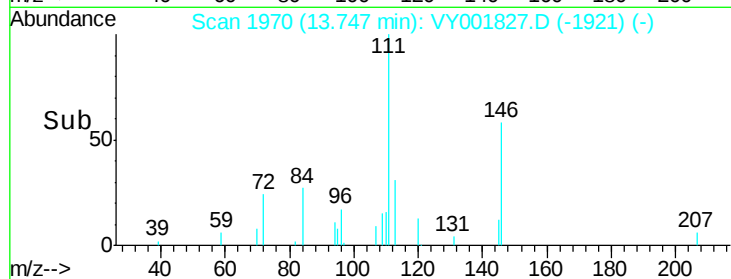
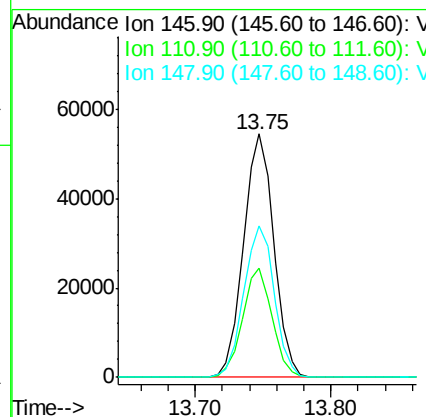
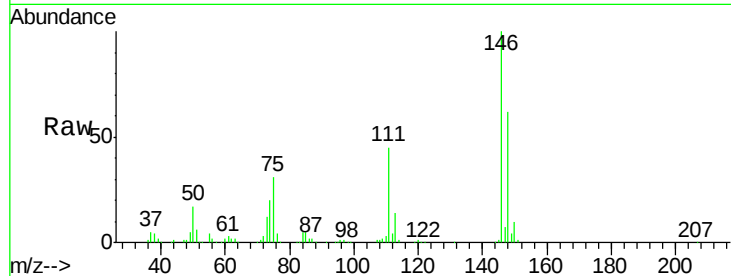
#91
 1,2-Dichlorobenzene
 Concen: 20.630 ug/l
 RT: 13.75 min Scan# 1970
 Delta R.T. -0.00 min
 Lab File: VY001827.D
 Acq: 03 Mar 2020 12:26

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0303SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.9	65.7
148	62.5	31.5	94.5

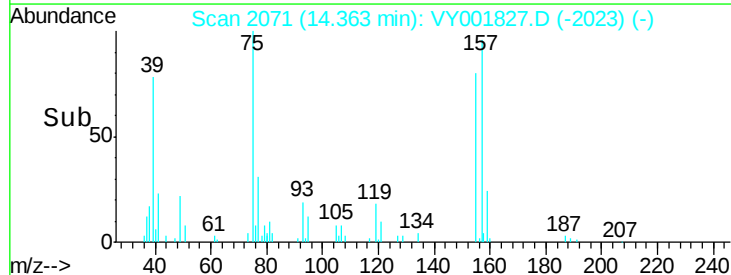
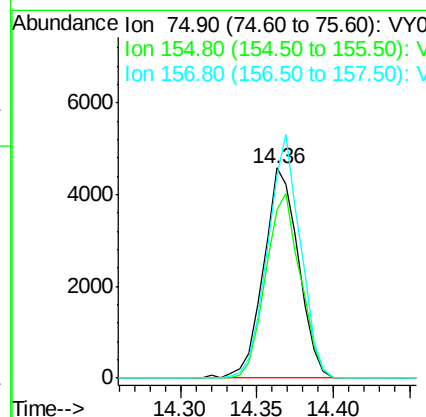
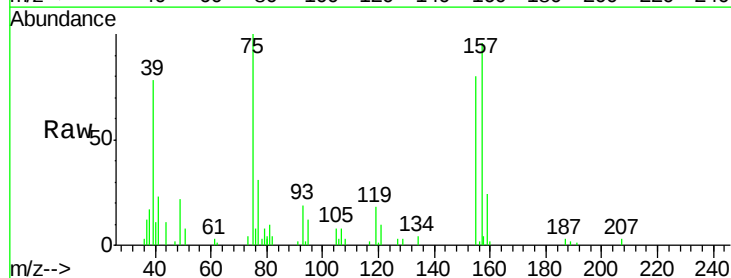
Manual Integrations
 APPROVED

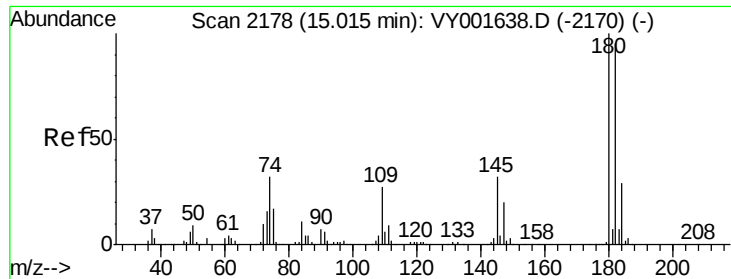
MMDadoda
 3/4/2020 2:01:58 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.420 ug/l
 RT: 14.36 min Scan# 2071
 Delta R.T. -0.01 min
 Lab File: VY001827.D
 Acq: 03 Mar 2020 12:26

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.1	40.8	122.4
157	108.4	52.1	156.4





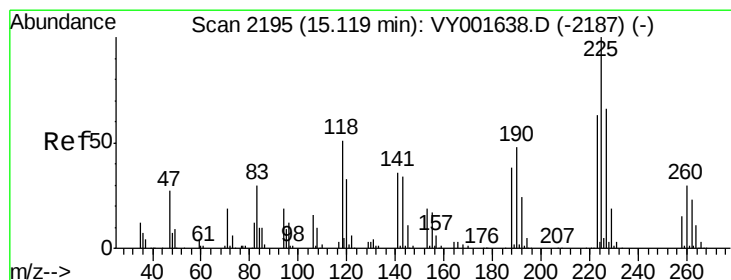
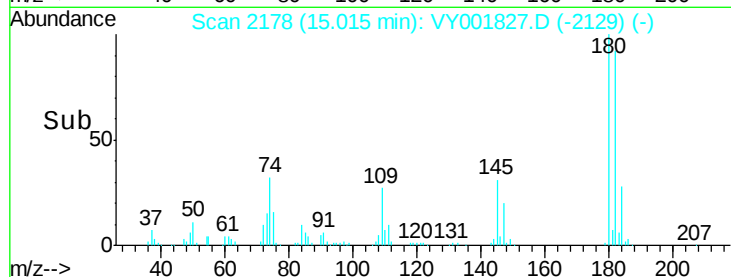
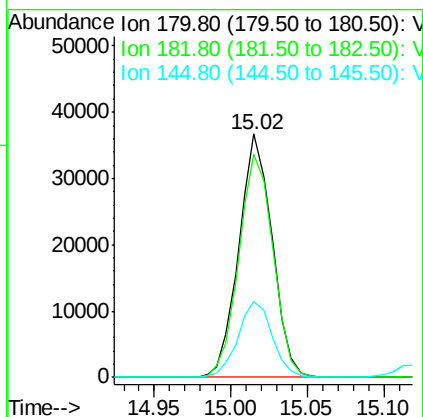
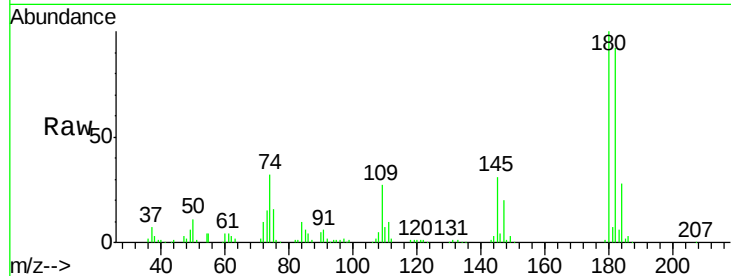
#93
1,2,4-Trichlorobenzene
Concen: 20.342 ug/l
RT: 15.02 min Scan# 2178
Delta R.T. -0.00 min
Lab File: VY001827.D
Acq: 03 Mar 2020 12:26

Instrument :
MSVOA_Y
ClientSampleId :
VY0303SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.2	46.8	140.3
145	32.0	16.2	48.5

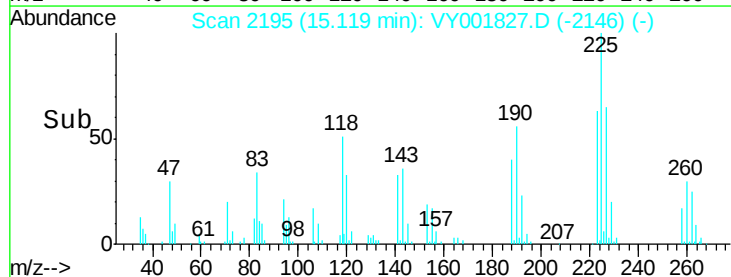
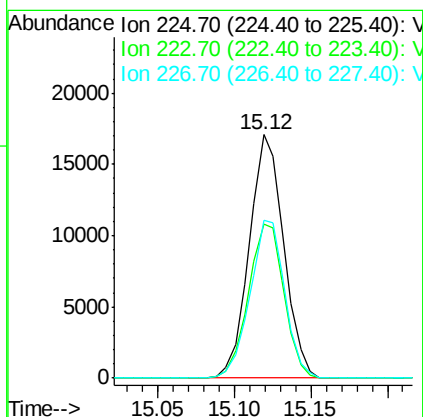
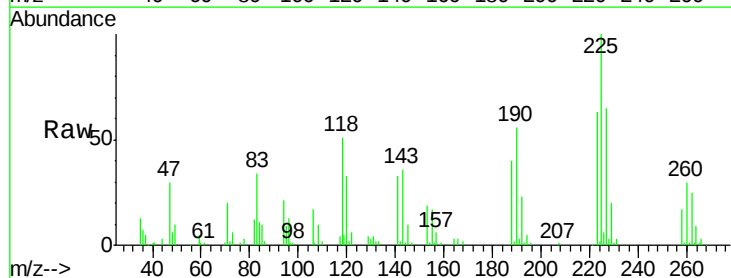
Manual Integrations
APPROVED

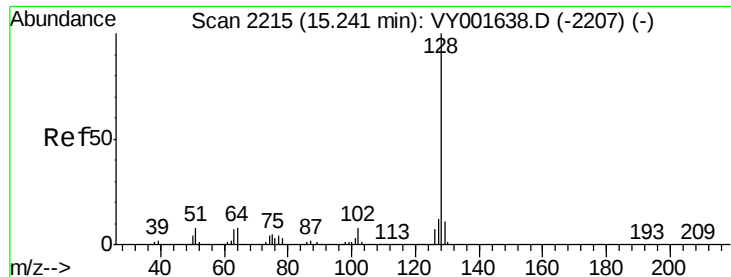
MMDadoda
3/4/2020 2:01:58 PM



#94
Hexachlorobutadiene
Concen: 19.730 ug/l
RT: 15.12 min Scan# 2195
Delta R.T. -0.00 min
Lab File: VY001827.D
Acq: 03 Mar 2020 12:26

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.2	31.4	94.0
227	65.3	31.6	94.8





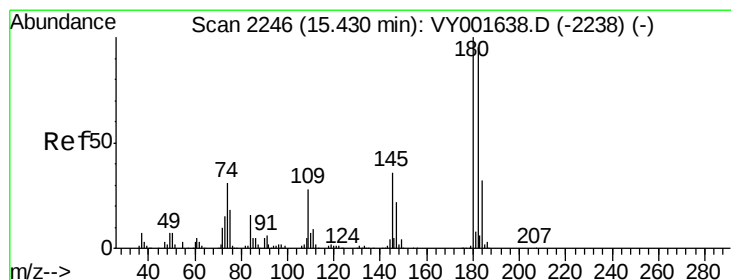
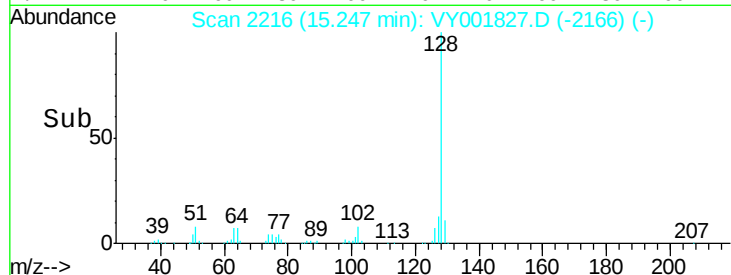
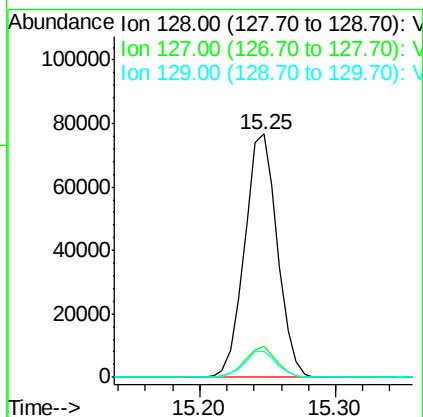
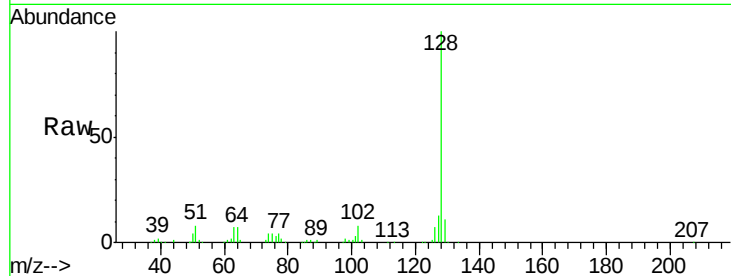
#95
Naphthalene
Concen: 20.507 ug/l
RT: 15.25 min Scan# 2216
Delta R.T. 0.01 min
Lab File: VY001827.D
Acq: 03 Mar 2020 12:26

Instrument :
MSVOA_Y
ClientSampleId :
VY0303SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	128926		
127	12.2		9.9	14.9
129	10.7		8.6	13.0

Manual Integrations
APPROVED

MMDadoda
3/4/2020 2:01:58 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.756 ug/l
RT: 15.44 min Scan# 2247
Delta R.T. 0.01 min
Lab File: VY001827.D
Acq: 03 Mar 2020 12:26

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	49790		
182	93.6		47.2	141.6
145	33.4		17.3	52.0

