

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY071020\
 Data File : VY003160.D
 Acq On : 10 Jul 2020 12:39
 Operator : SY/MD
 Sample : VSTDICC100
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 7/13/2020 10:47:40 AM

Quant Time: Jul 10 13:08:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y071020S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 10 12:43:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	468995	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	675461	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	623605	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	329497	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.14	65	404838	90.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	180.84%	
35) Dibromofluoromethane	7.72	113	402983	98.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	196.26%	
50) Toluene-d8	10.18	98	1460923	95.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	191.82%	
62) 4-Bromofluorobenzene	12.48	95	524516	97.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	195.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	309950	90.113	ug/l	97
3) Chloromethane	2.12	50	432882	84.678	ug/l	99
4) Vinyl Chloride	2.26	62	475459	95.854	ug/l	98
5) Bromomethane	2.64	94	345504	101.167	ug/l	97
6) Chloroethane	2.79	64	317070	99.776	ug/l	99
7) Trichlorofluoromethane	3.13	101	677916	96.674	ug/l	99
8) Diethyl Ether	3.54	74	234845	97.816	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.90	101	418271	99.525	ug/l	99
10) Methyl Iodide	4.10	142	532716	103.871	ug/l	99
11) Tert butyl alcohol	4.96	59	208010	453.306	ug/l	99
12) 1,1-Dichloroethene	3.88	96	394430	98.640	ug/l	100
13) Acrolein	3.73	56	176606	426.625	ug/l	99
14) Allyl chloride	4.49	41	612906	89.473	ug/l	99
15) Acrylonitrile	5.18	53	577754	472.484	ug/l	99
16) Acetone	3.96	43	462286	441.462	ug/l	98
17) Carbon Disulfide	4.20	76	1222174	96.222	ug/l	100
18) Methyl Acetate	4.48	43	256321	90.085	ug/l	98
19) Methyl tert-butyl Ether	5.22	73	1152793	99.625	ug/l	99
20) Methylene Chloride	4.72	84	441609	73.043	ug/l	96
21) trans-1,2-Dichloroethene	5.22	96	456279	100.448	ug/l	99
22) Diisopropyl ether	6.13	45	1373511	93.008	ug/l	98
23) Vinyl Acetate	6.07	43	4685324	476.756	ug/l	99
24) 1,1-Dichloroethane	6.03	63	776592	95.585	ug/l	100
25) 2-Butanone	6.99	43	776774	464.139	ug/l	97
26) 2,2-Dichloropropane	6.99	77	687562	93.181	ug/l	99
27) cis-1,2-Dichloroethene	6.99	96	505180	99.361	ug/l	100
28) Bromochloromethane	7.35	49	337348	94.603	ug/l	99
29) Tetrahydrofuran	7.35	42	523019	469.112	ug/l	99
30) Chloroform	7.52	83	794786	98.302	ug/l	100
31) Cyclohexane	7.79	56	706538	88.362	ug/l	99
32) 1,1,1-Trichloroethane	7.71	97	717820	97.464	ug/l	98
36) 1,1-Dichloropropene	7.93	75	625561	97.764	ug/l	100
37) Ethyl Acetate	7.08	43	357450	94.834	ug/l	98
38) Carbon Tetrachloride	7.91	117	662740	99.513	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY071020\
 Data File : VY003160.D
 Acq On : 10 Jul 2020 12:39
 Operator : SY/MD
 Sample : VSTDICC100
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 7/13/2020 10:47:40 AM

Quant Time: Jul 10 13:08:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y071020S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 10 12:43:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	798701	100.683	ug/l	98
40) Benzene	8.16	78	1754791	100.125	ug/l	97
41) Methacrylonitrile	7.33	41	221984m	110.518	ug/l	
42) 1,2-Dichloroethane	8.24	62	534421	97.048	ug/l	99
43) Isopropyl Acetate	8.28	43	677592	94.515	ug/l	99
44) Trichloroethene	8.94	130	526177	102.417	ug/l	98
45) 1,2-Dichloropropane	9.22	63	451724	96.223	ug/l	100
46) Dibromomethane	9.31	93	266071	100.874	ug/l	99
47) Bromodichloromethane	9.50	83	640104	99.588	ug/l	100
48) Methyl methacrylate	9.30	41	312593	95.787	ug/l	98
49) 1,4-Dioxane	9.30	88	70317	2158.694	ug/l	97
51) 4-Methyl-2-Pentanone	10.07	43	1797603	484.160	ug/l	100
52) Toluene	10.24	92	1123159	101.450	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	676839	100.608	ug/l	99
54) cis-1,3-Dichloropropene	9.93	75	768677	99.909	ug/l	98
55) 1,1,2-Trichloroethane	10.64	97	374091	102.426	ug/l	99
56) Ethyl methacrylate	10.51	69	541522	103.012	ug/l	99
57) 1,3-Dichloropropane	10.79	76	639786	99.711	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	1310986	491.904	ug/l	100
59) 2-Hexanone	10.83	43	1261947	486.858	ug/l	100
60) Dibromochloromethane	10.99	129	487510	104.047	ug/l	100
61) 1,2-Dibromoethane	11.09	107	371359	102.736	ug/l	100
64) Tetrachloroethene	10.72	164	566338	107.768	ug/l	98
65) Chlorobenzene	11.52	112	1232455	101.441	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.59	131	486333	102.864	ug/l	100
67) Ethyl Benzene	11.59	91	2258672	101.847	ug/l	99
68) m/p-Xylenes	11.70	106	1701472	206.251	ug/l	99
69) o-Xylene	12.03	106	803580	103.277	ug/l	99
70) Styrene	12.04	104	1394539	104.875	ug/l	99
71) Bromoform	12.20	173	325975	103.764	ug/l	100
73) Isopropylbenzene	12.33	105	2182120	102.329	ug/l	100
74) N-amyl acetate	12.14	43	651021	96.057	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	422051	98.880	ug/l	100
76) 1,2,3-Trichloropropane	12.63	75	296046m	93.462	ug/l	
77) Bromobenzene	12.61	156	552628	101.192	ug/l	99
78) n-propylbenzene	12.67	91	2570719	100.484	ug/l	100
79) 2-Chlorotoluene	12.75	91	1423942	99.740	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	1806539	101.075	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	162795	99.884	ug/l	96
82) 4-Chlorotoluene	12.85	91	1477673	99.468	ug/l	100
83) tert-Butylbenzene	13.07	119	1596562	101.626	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	1824942	101.294	ug/l	98
85) sec-Butylbenzene	13.25	105	2172932	100.463	ug/l	100
86) p-Isopropyltoluene	13.37	119	2049194	102.117	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	1046214	102.582	ug/l	100
88) 1,4-Dichlorobenzene	13.44	146	1003851	99.839	ug/l	99
89) n-Butylbenzene	13.69	91	1899067	99.182	ug/l	99
90) Hexachloroethane	13.96	117	384940	97.658	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	905136	99.349	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	65509	88.657	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY071020\
Data File : VY003160.D
Acq On : 10 Jul 2020 12:39
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00G/5ML/MSVOA Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

MMDadoda
7/13/2020 10:47:40 AM

Quant Time: Jul 10 13:08:02 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y071020S.M
Quant Title : SW846 8260
QLast Update : Fri Jul 10 12:43:42 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	634626	94.376	ug/l	99
94) Hexachlorobutadiene	15.11	225	426336	99.334	ug/l	99
95) Naphthalene	15.23	128	1087754	90.319	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	507163	88.426	ug/l	98

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

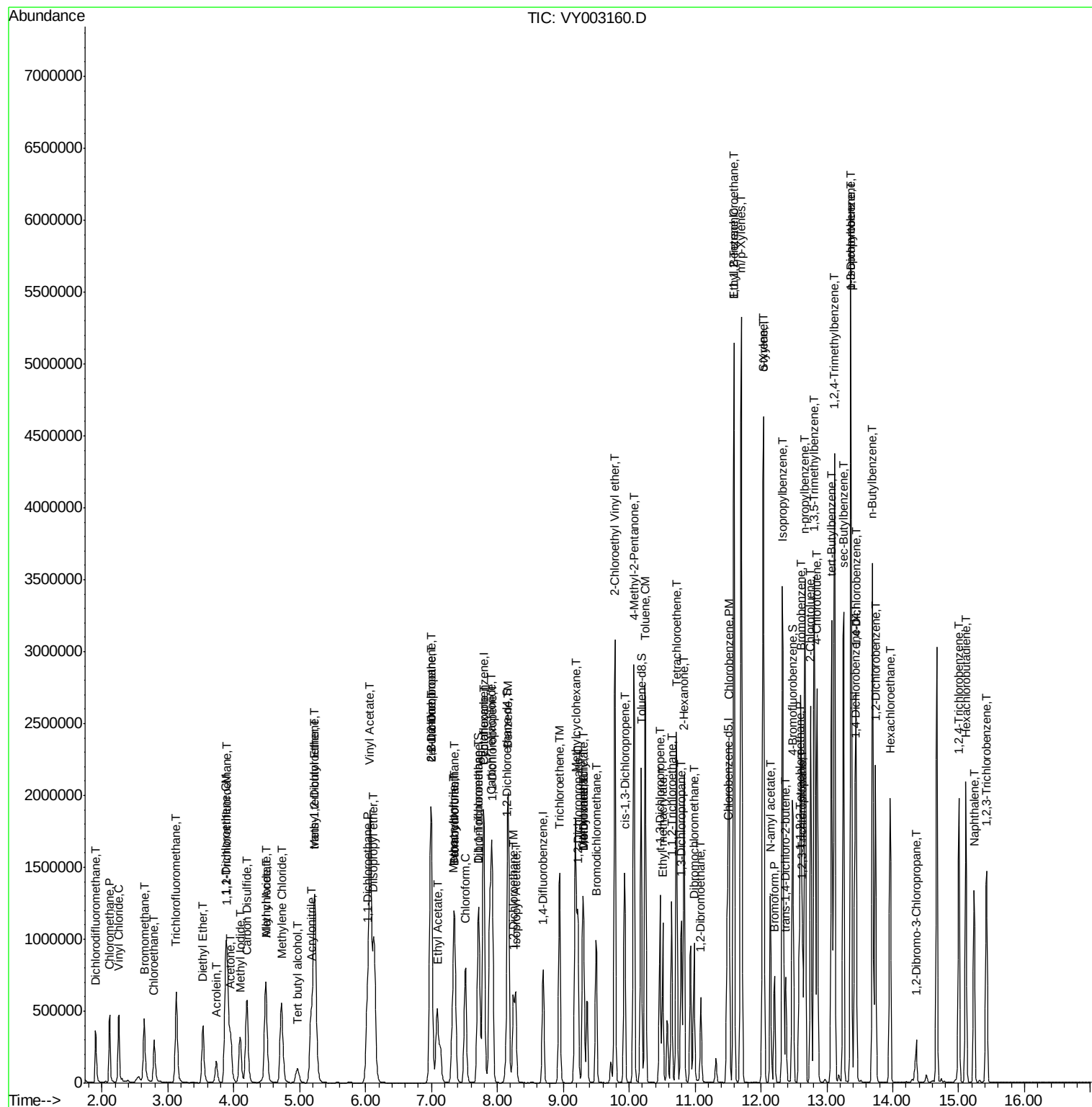
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY071020\
Data File : VY003160.D
Acq On : 10 Jul 2020 12:39
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00G/5ML/MSVOA Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

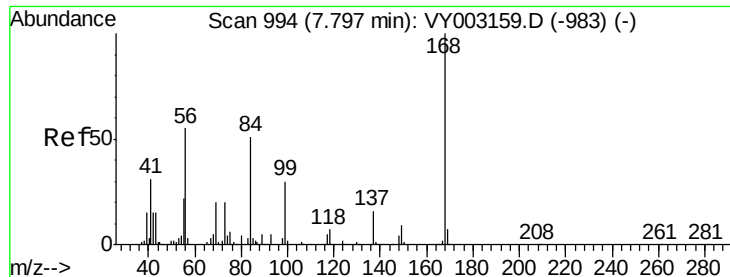
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

MMDadoda
7/13/2020 10:47:40 AM

Quant Time: Jul 10 13:08:02 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y071020S.M
Quant Title : SW846 8260
QLast Update : Fri Jul 10 12:43:42 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.00 min

Lab File: VY003160.D

Acq: 10 Jul 2020 12:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 468995

Ion Ratio Lower Upper

168 100

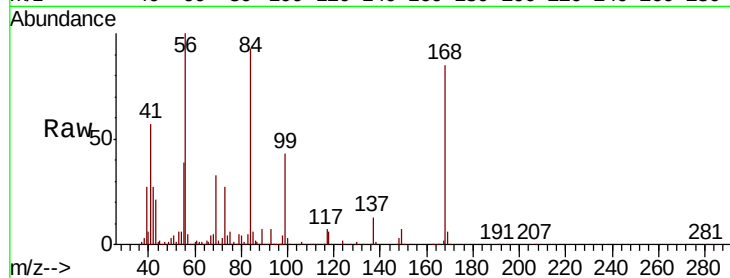
99 50.7 37.3 55.9

Manual Integrations

APPROVED

MMDadoda

7/13/2020 10:47:40 AM



Abundance Ion 167.90 (167.60 to 168.60): VY003159.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY003159.D (-983) (-)

250000

200000

150000

100000

50000

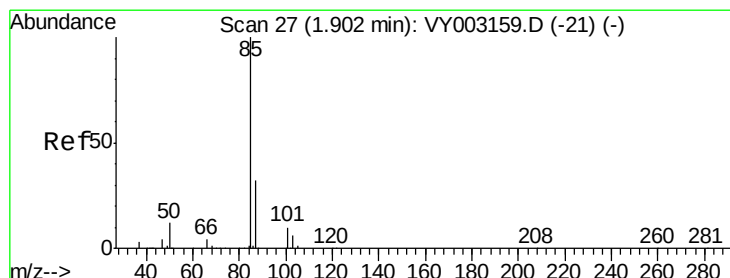
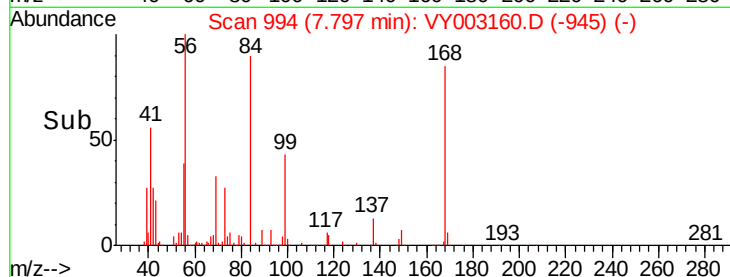
0

7.70

7.80

7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 90.113 ug/l

RT: 1.90 min Scan# 27

Delta R.T. 0.00 min

Lab File: VY003160.D

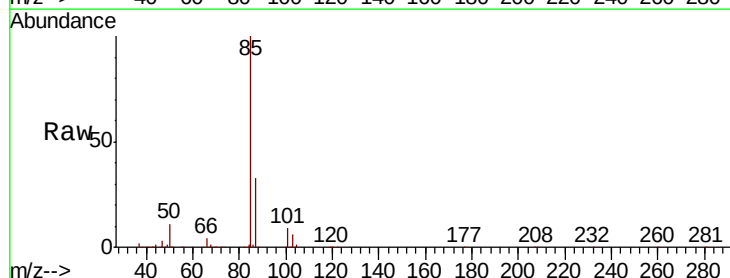
Acq: 10 Jul 2020 12:39

Tgt Ion: 85 Resp: 309950

Ion Ratio Lower Upper

85 100

87 33.3 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VY003159.D (-21) (-)

Ion 86.90 (86.60 to 87.60): VY003159.D (-21) (-)

200000

150000

100000

50000

0

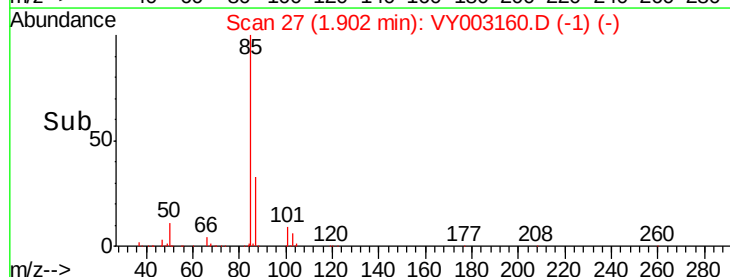
1.80

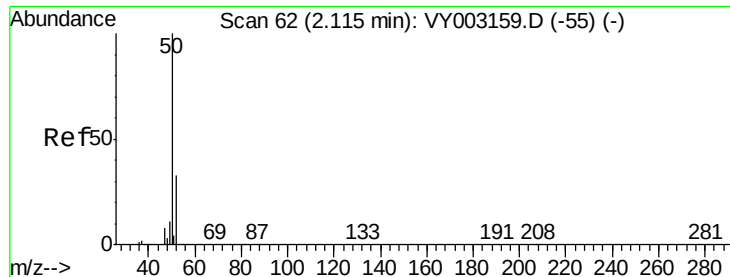
1.90

2.00

2.10

Time-->





#3

Chloromethane

Concen: 84.678 ug/l

RT: 2.12 min Scan# 62

Delta R.T. 0.00 min

Lab File: VY003160.D

Acq: 10 Jul 2020 12:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 432882

Ion Ratio Lower Upper

50 100

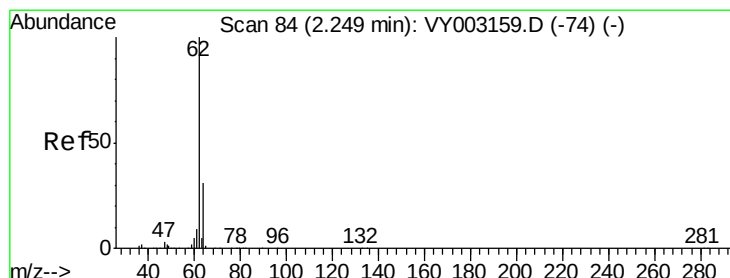
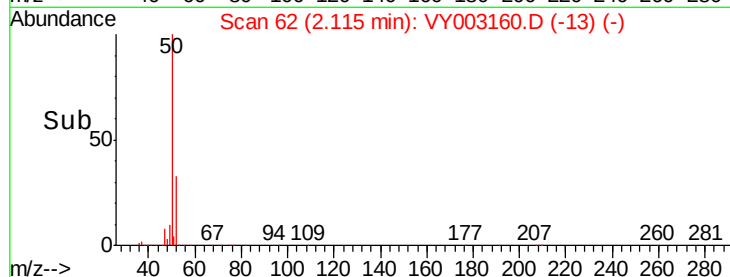
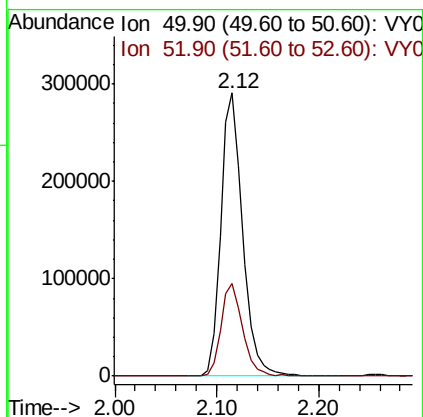
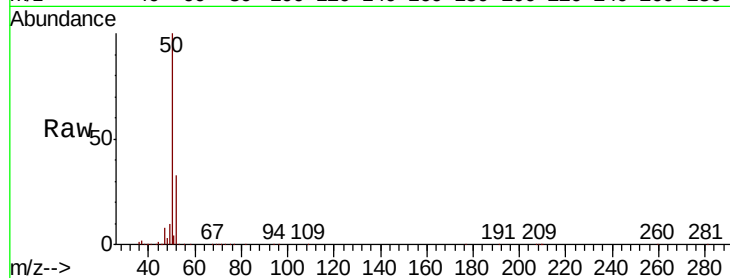
52 32.9 26.6 39.8

Manual Integrations

APPROVED

MMDadoda

7/13/2020 10:47:40 AM



#4

Vinyl Chloride

Concen: 95.854 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.01 min

Lab File: VY003160.D

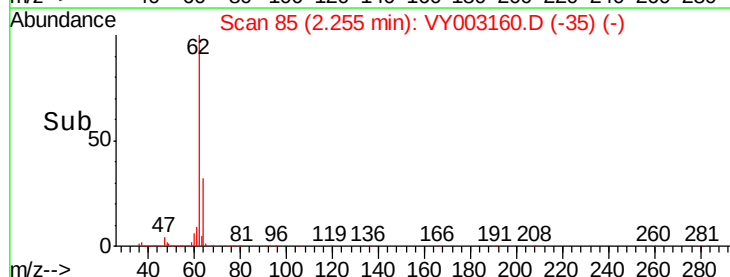
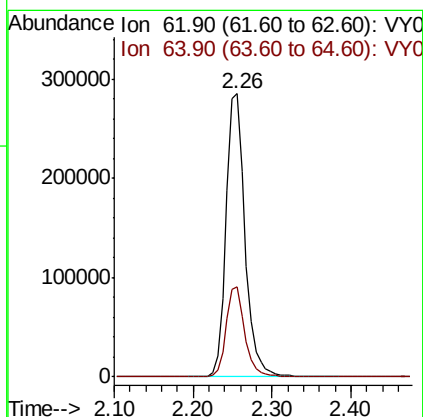
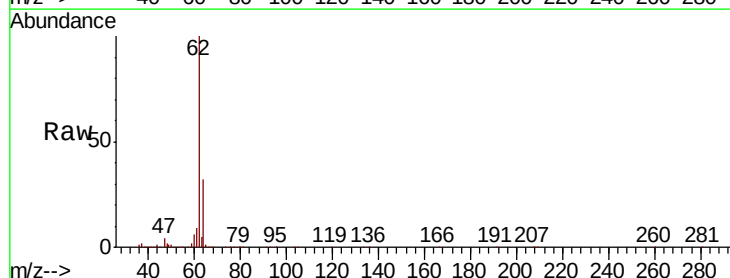
Acq: 10 Jul 2020 12:39

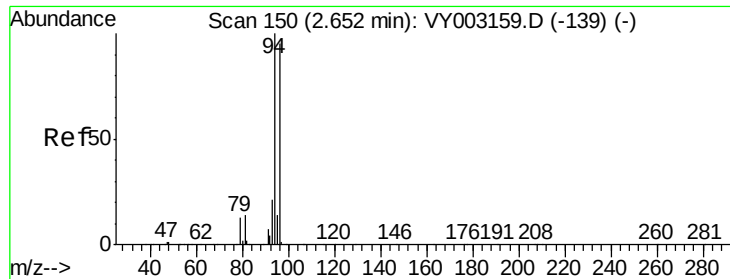
Tgt Ion: 62 Resp: 475459

Ion Ratio Lower Upper

62 100

64 31.6 24.6 37.0





#5

Bromomethane

Concen: 101.167 ug/l

RT: 2.64 min Scan# 148

Delta R.T. -0.01 min

Lab File: VY003160.D

Acq: 10 Jul 2020 12:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 345504

Ion Ratio Lower Upper

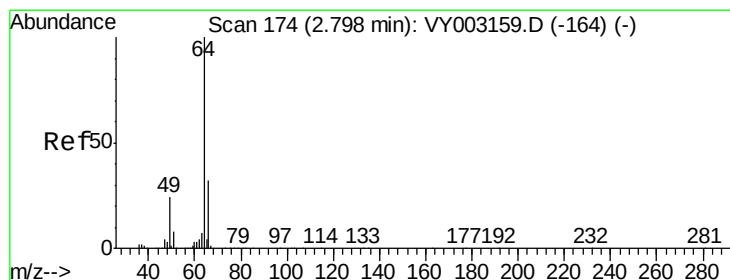
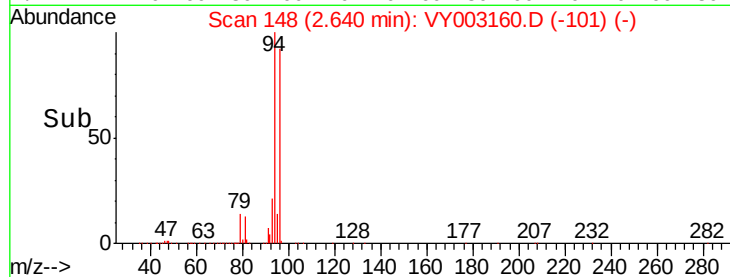
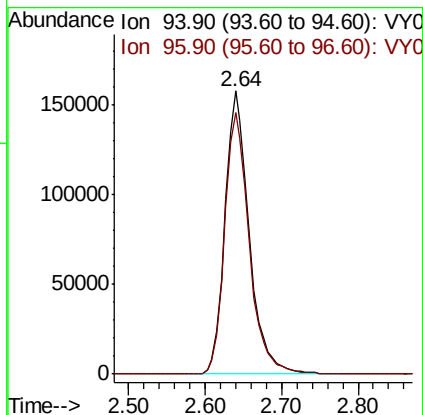
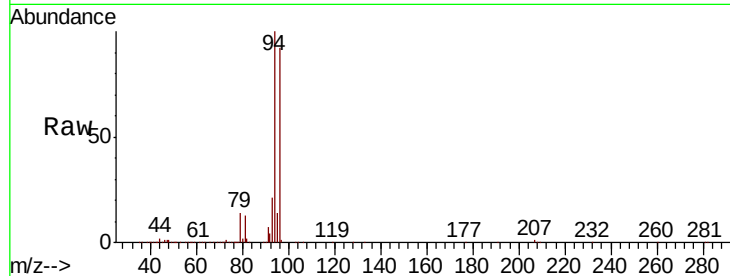
94 100

96 92.3 76.0 114.0

Manual Integrations
APPROVED

MMDadoda

7/13/2020 10:47:40 AM



#6

Chloroethane

Concen: 99.776 ug/l

RT: 2.79 min Scan# 173

Delta R.T. -0.01 min

Lab File: VY003160.D

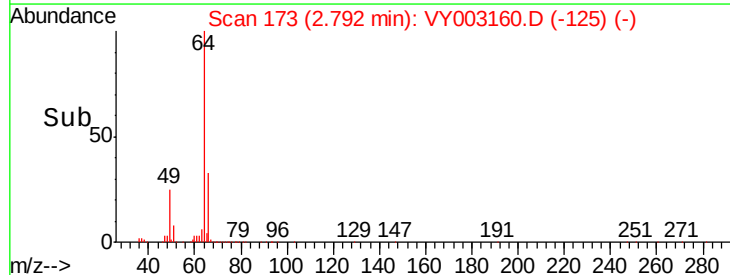
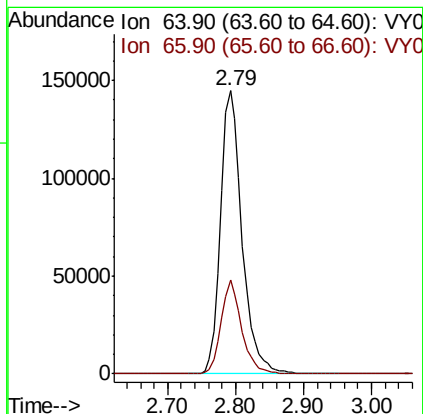
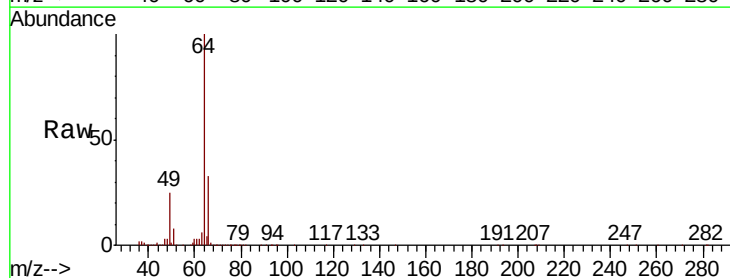
Acq: 10 Jul 2020 12:39

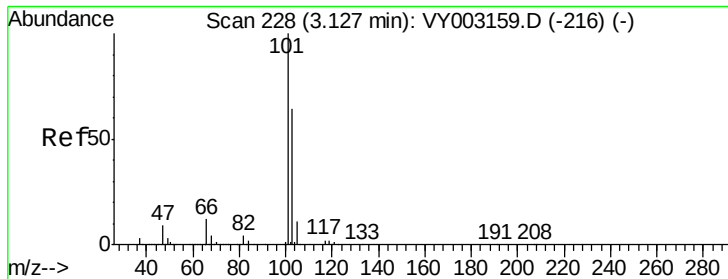
Tgt Ion: 64 Resp: 317070

Ion Ratio Lower Upper

64 100

66 33.0 26.0 39.0





#7

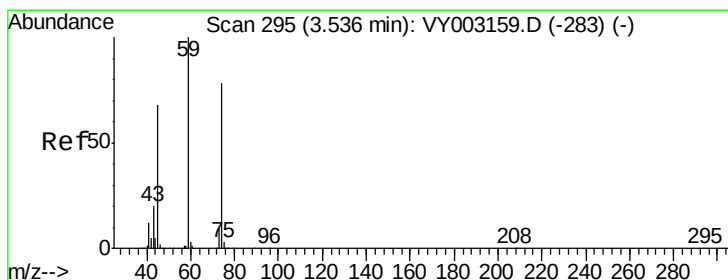
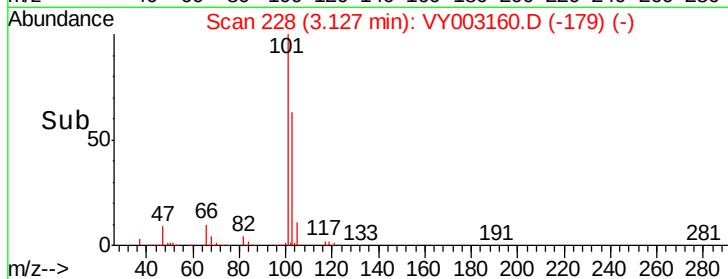
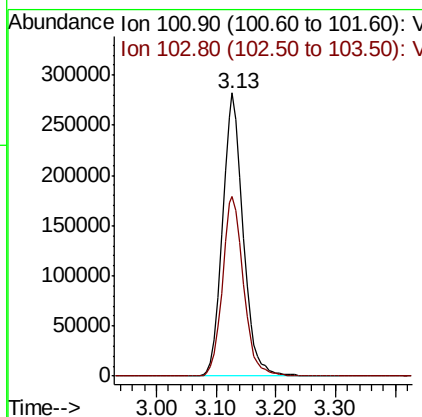
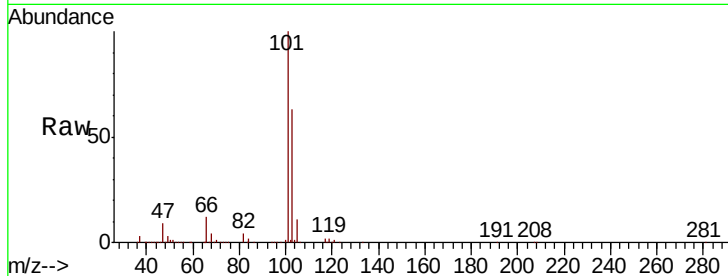
Trichlorofluoromethane
Concen: 96.674 ug/l
RT: 3.13 min Scan# 228
Delta R.T. 0.00 min
Lab File: VY003160.D
Acq: 10 Jul 2020 12:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	101	100	677916		
103	103	63.3		51.3	76.9

Manual Integrations
APPROVED

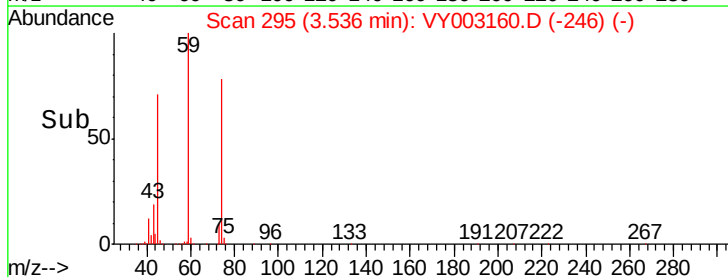
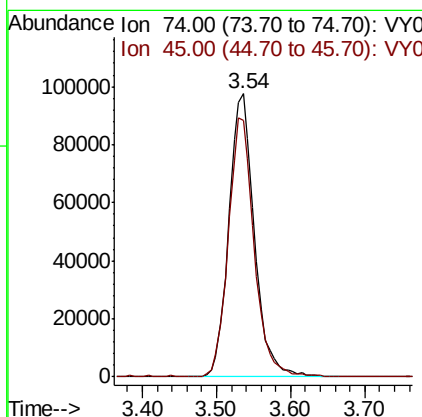
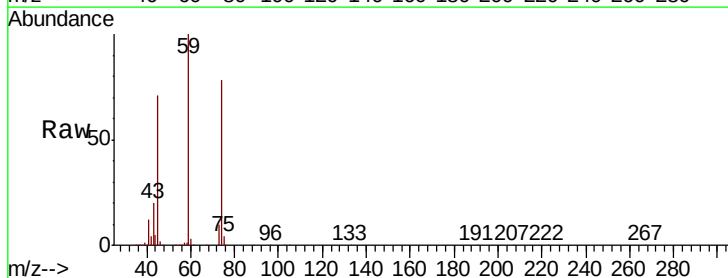
MMDadoda
7/13/2020 10:47:40 AM

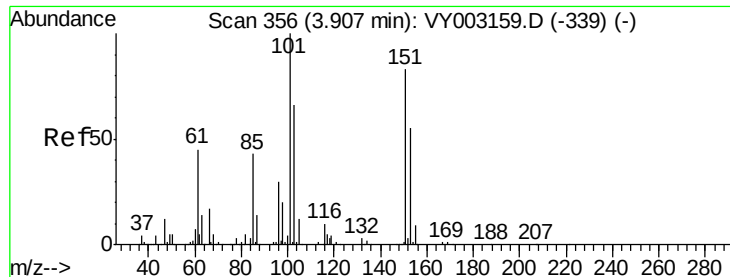


#8

Diethyl Ether
Concen: 97.816 ug/l
RT: 3.54 min Scan# 295
Delta R.T. 0.00 min
Lab File: VY003160.D
Acq: 10 Jul 2020 12:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	74	100	234845		
45	45	92.4		45.3	135.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 99.525 ug/l

RT: 3.90 min Scan# 355

Delta R.T. -0.01 min

Lab File: VY003160.D

Acq: 10 Jul 2020 12:39

Instrument :

MSVOA_Y

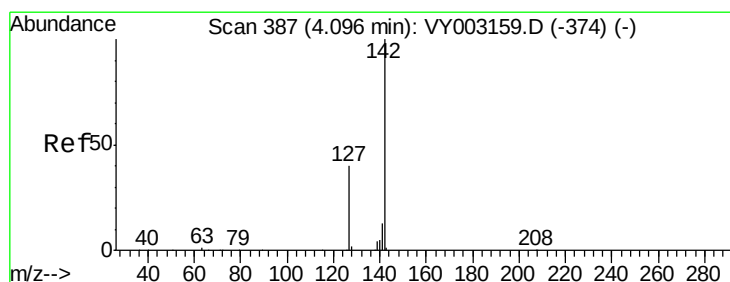
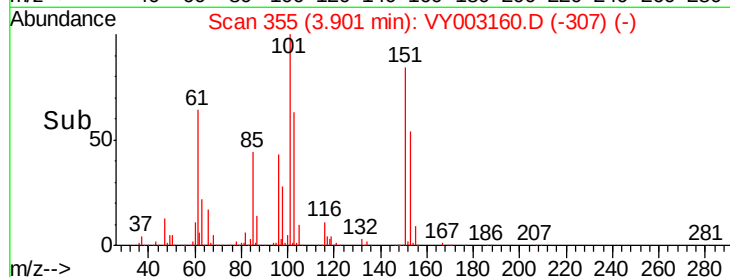
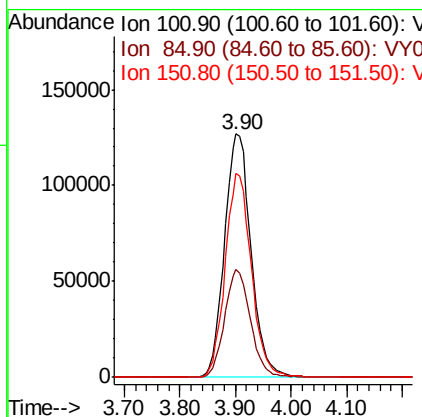
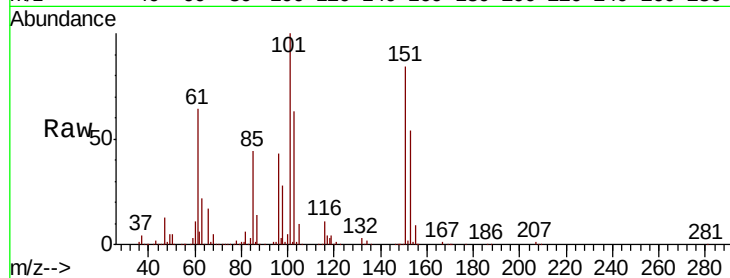
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	418271
Ion Ratio	Lower	Upper	
101	100		
85	43.2	34.9	52.3
151	82.7	67.0	100.6

Manual Integrations
APPROVED

MMDadoda
7/13/2020 10:47:40 AM



#10

Methyl Iodide

Concen: 103.871 ug/l

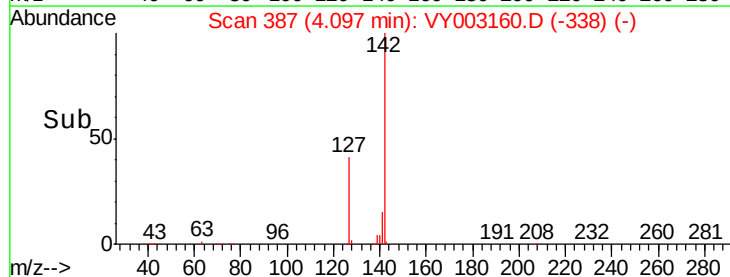
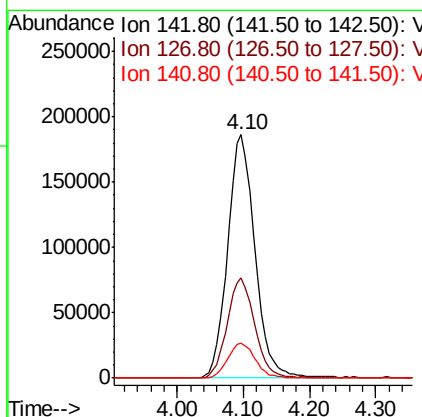
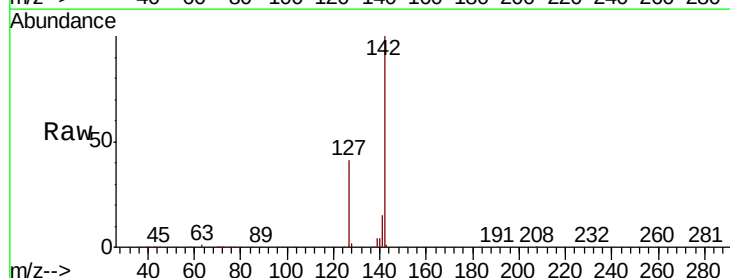
RT: 4.10 min Scan# 387

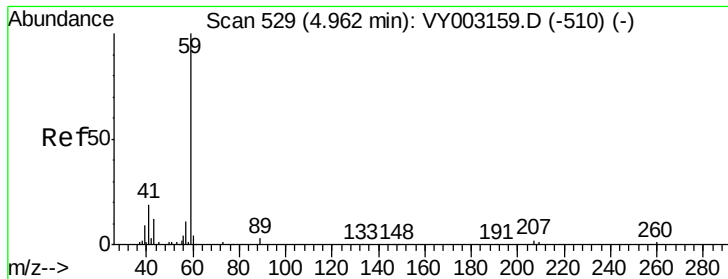
Delta R.T. 0.00 min

Lab File: VY003160.D

Acq: 10 Jul 2020 12:39

Tgt Ion:	142	Resp:	532716
Ion Ratio	Lower	Upper	
142	100		
127	41.5	33.5	50.3
141	14.6	11.2	16.8





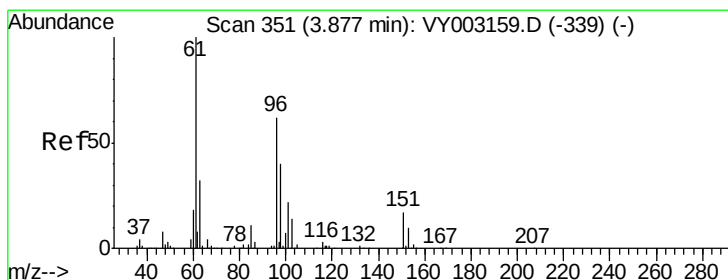
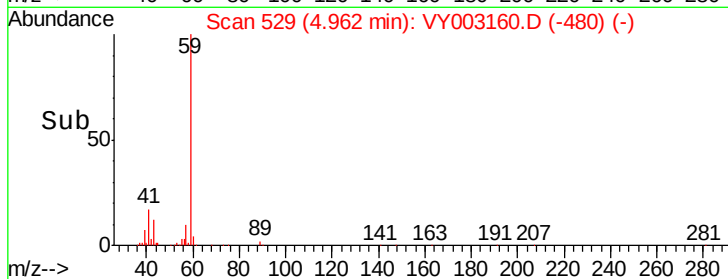
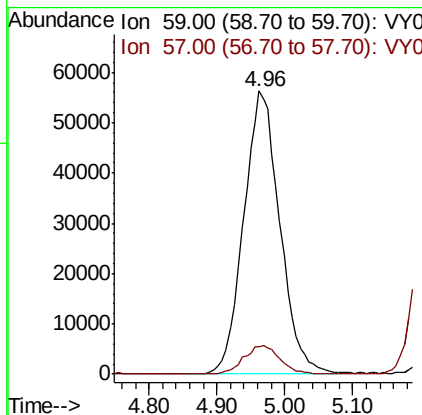
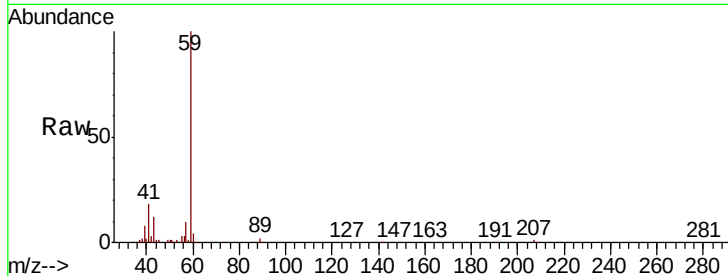
#11
Tert butyl alcohol
Concen: 453.306 ug/l
RT: 4.96 min Scan# 529
Delta R.T. 0.00 min
Lab File: VY003160.D
Acq: 10 Jul 2020 12:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.4	12.6

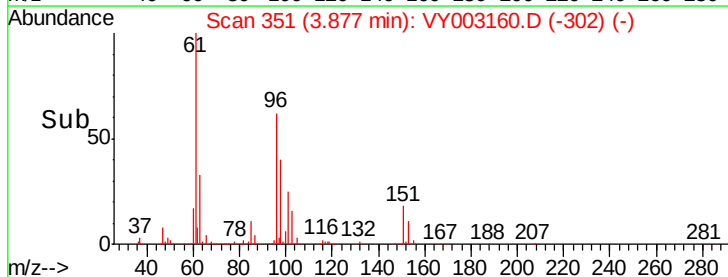
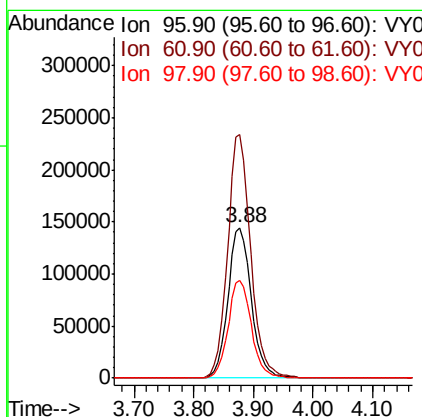
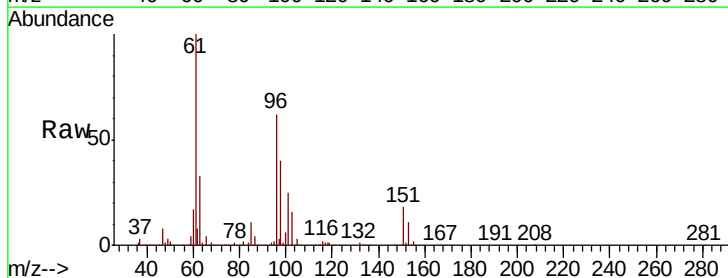
Manual Integrations
APPROVED

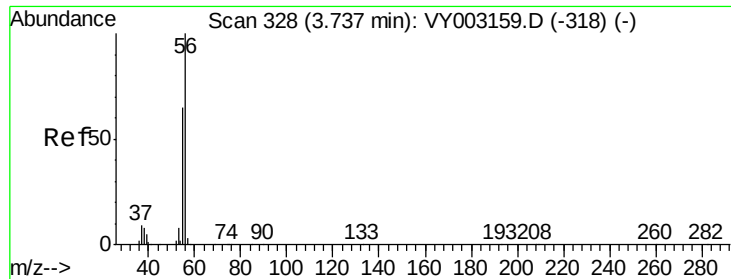
MMDadoda
7/13/2020 10:47:40 AM



#12
1,1-Dichloroethene
Concen: 98.640 ug/l
RT: 3.88 min Scan# 351
Delta R.T. 0.00 min
Lab File: VY003160.D
Acq: 10 Jul 2020 12:39

Tgt Ion	Ratio	Lower	Upper
96	100		
61	161.5	128.6	193.0
98	64.6	51.6	77.4





#13

Acrolein

Concen: 426.625 ug/l

RT: 3.73 min Scan# 327

Delta R.T. -0.01 min

Lab File: VY003160.D

Acq: 10 Jul 2020 12:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 176606

Ion Ratio Lower Upper

56 100

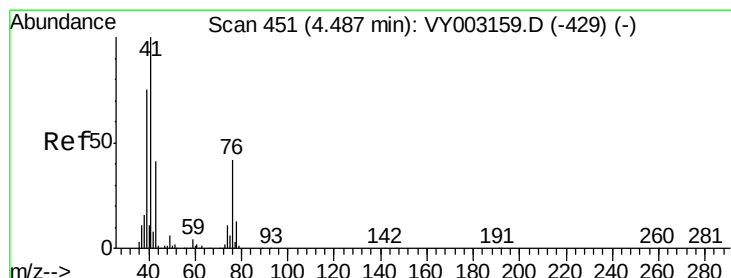
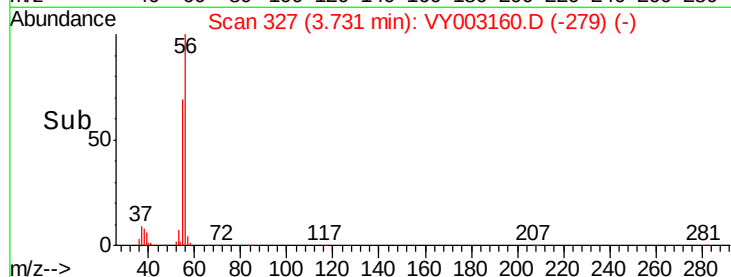
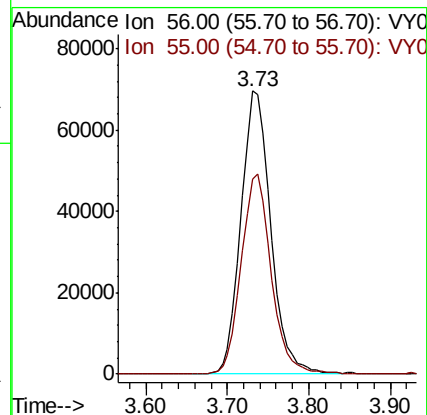
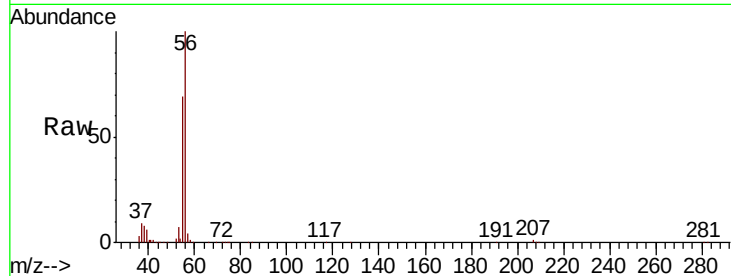
55 71.2 56.0 84.0

Manual Integrations

APPROVED

MMDadoda

7/13/2020 10:47:40 AM



#14

Allyl chloride

Concen: 89.473 ug/l

RT: 4.49 min Scan# 451

Delta R.T. 0.00 min

Lab File: VY003160.D

Acq: 10 Jul 2020 12:39

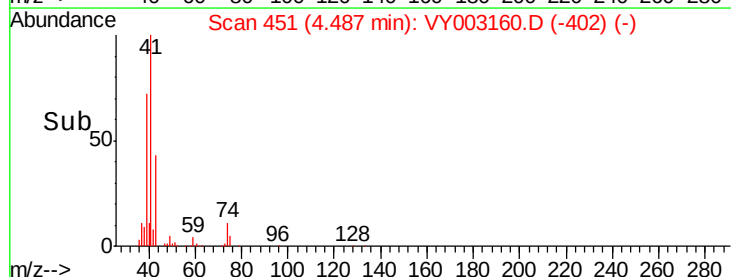
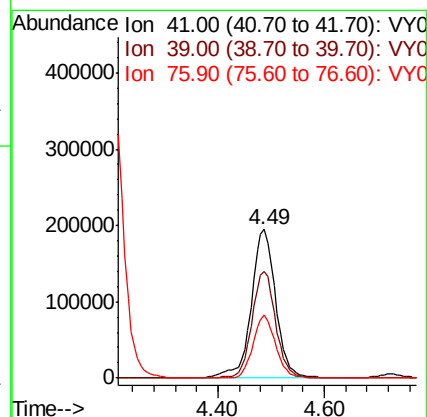
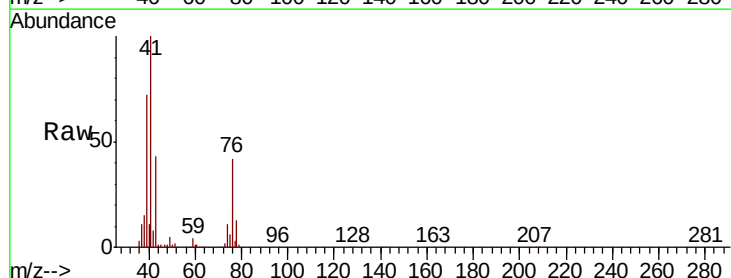
Tgt Ion: 41 Resp: 612906

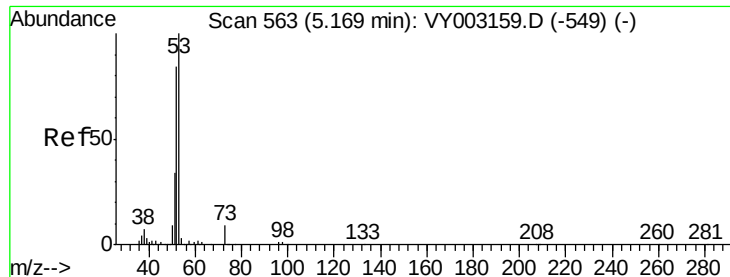
Ion Ratio Lower Upper

41 100

39 70.1 56.6 85.0

76 38.7 31.6 47.4





#15

Acrylonitrile

Concen: 472.484 ug/l

RT: 5.18 min Scan# 564

Delta R.T. 0.01 min

Lab File: VY003160.D

Acq: 10 Jul 2020 12:39

Instrument :

MSVOA_Y

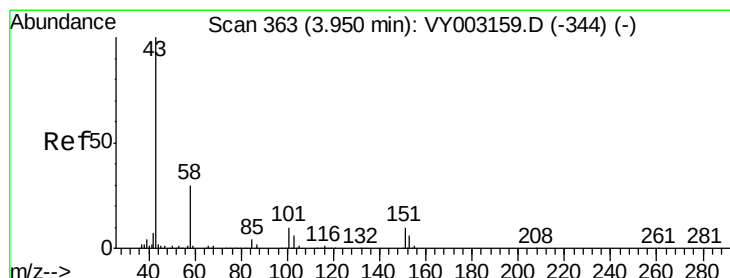
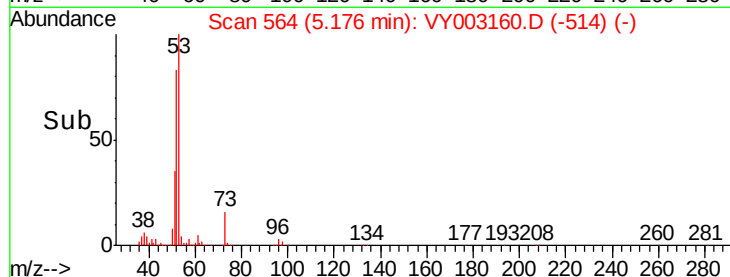
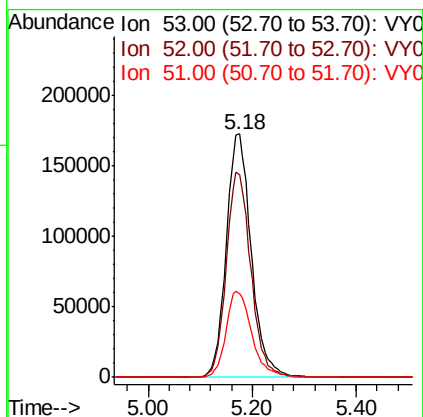
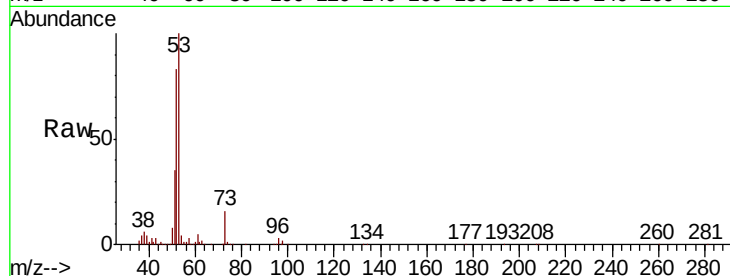
ClientSampleId :

VSTDIC100

Tot Ion:	53	Resp:	577754
Ion	Ratio	Lower	Upper
53	100		
52	83.0	65.8	98.6
51	36.7	29.0	43.4

Manual Integrations
APPROVED

MMDadoda
7/13/2020 10:47:40 AM



#16

Acetone

Concen: 441.462 ug/l

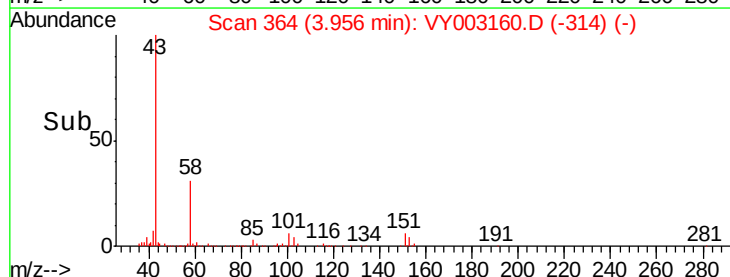
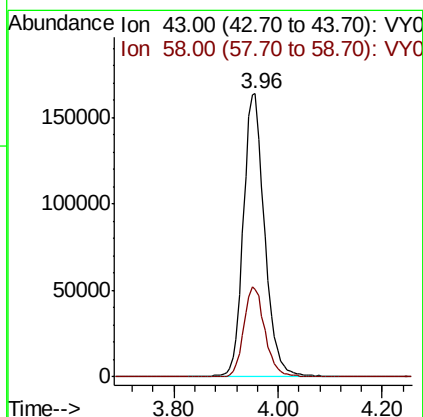
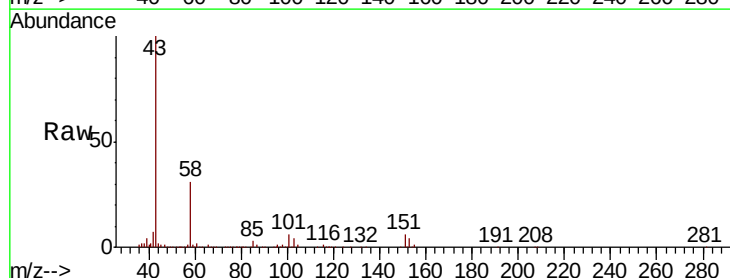
RT: 3.96 min Scan# 364

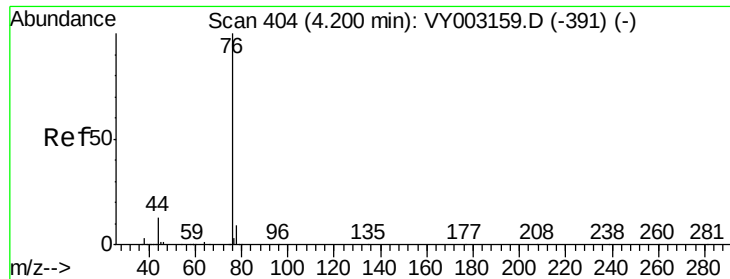
Delta R.T. 0.01 min

Lab File: VY003160.D

Acq: 10 Jul 2020 12:39

Tgt Ion:	43	Resp:	462286
Ion	Ratio	Lower	Upper
43	100		
58	31.0	23.8	35.6





#17

Carbon Disulfide

Concen: 96.222 ug/l

RT: 4.20 min Scan# 404

Delta R.T. 0.00 min

Lab File: VY003160.D

Acq: 10 Jul 2020 12:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 1222174

Ion Ratio Lower Upper

76 100

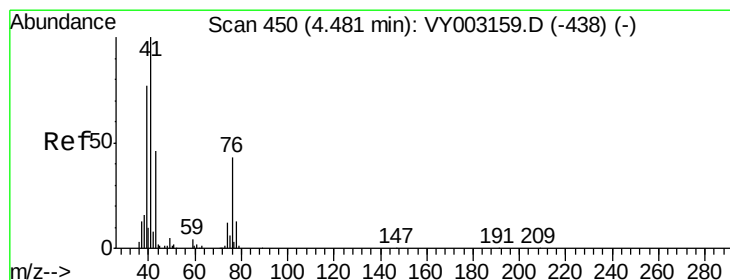
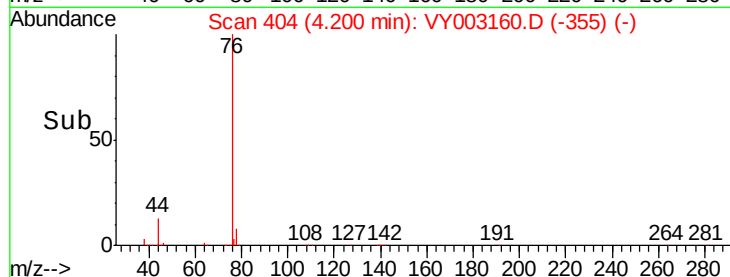
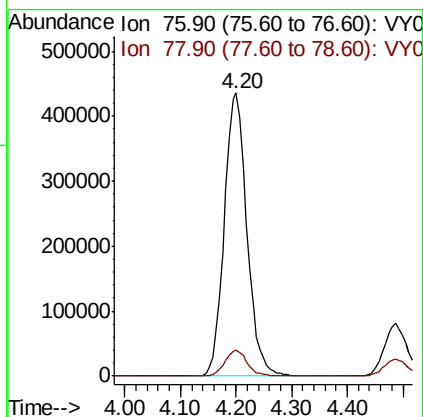
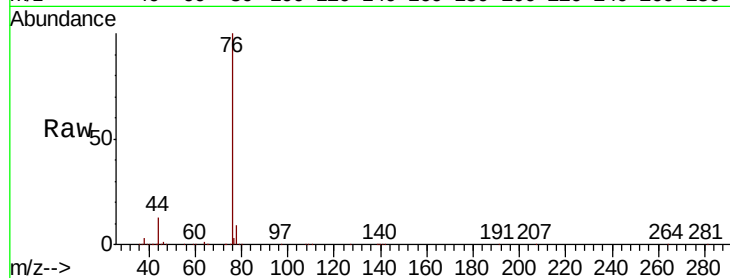
78 9.1 7.3 10.9

Manual Integrations

APPROVED

MMDadoda

7/13/2020 10:47:40 AM



#18

Methyl Acetate

Concen: 90.085 ug/l

RT: 4.48 min Scan# 450

Delta R.T. 0.00 min

Lab File: VY003160.D

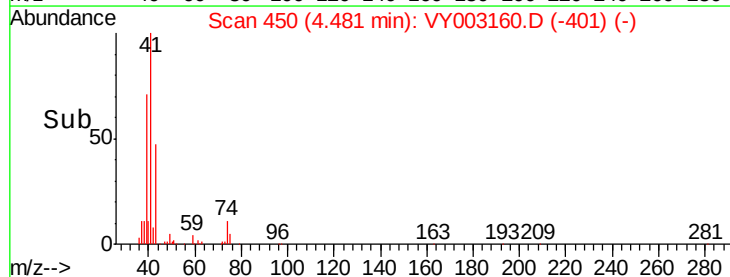
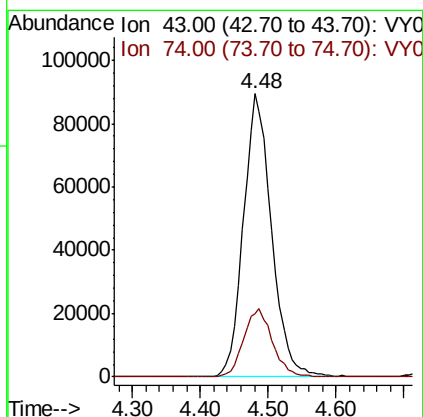
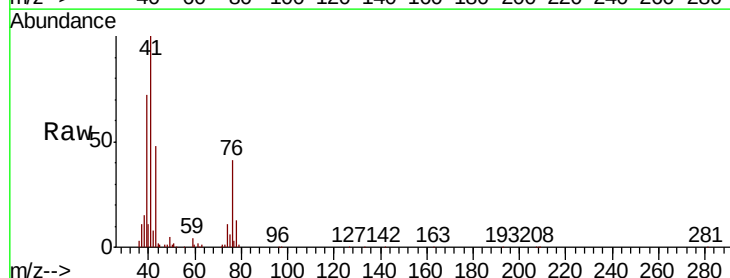
Acq: 10 Jul 2020 12:39

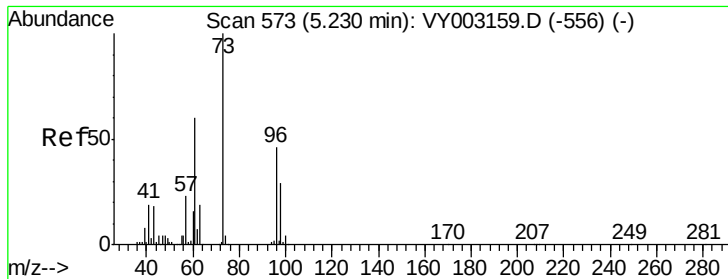
Tgt Ion: 43 Resp: 256321

Ion Ratio Lower Upper

43 100

74 24.8 20.8 31.2





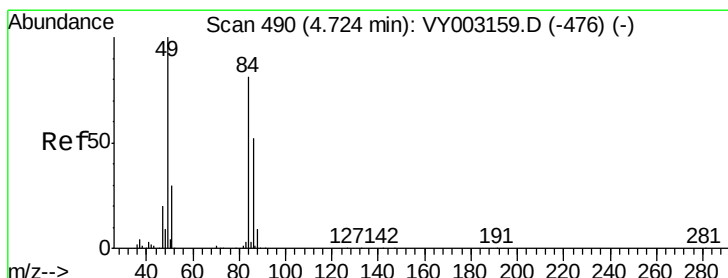
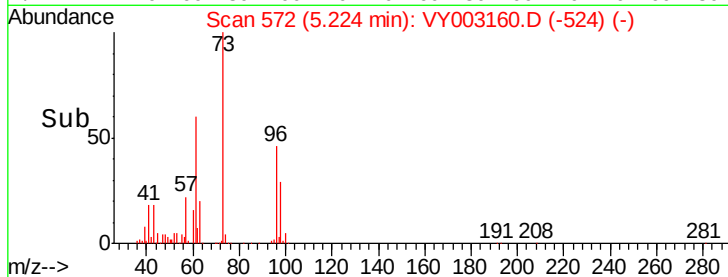
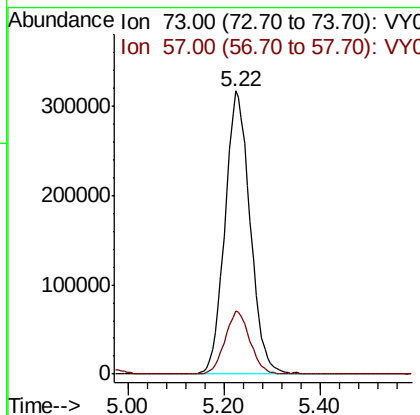
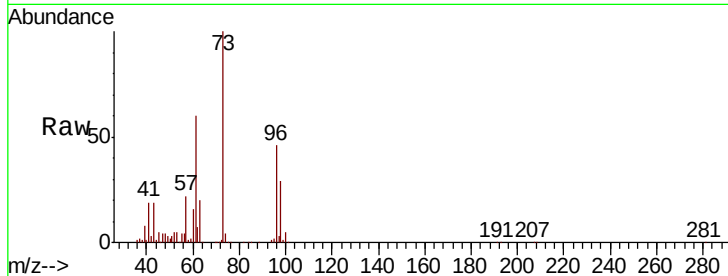
#19
Methyl tert-butyl Ether
Concen: 99.625 ug/l
RT: 5.22 min Scan# 572
Delta R.T. -0.01 min
Lab File: VY003160.D
Acq: 10 Jul 2020 12:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion: 73 Resp: 1152793
Ion Ratio Lower Upper
73 100
57 22.2 18.1 27.1

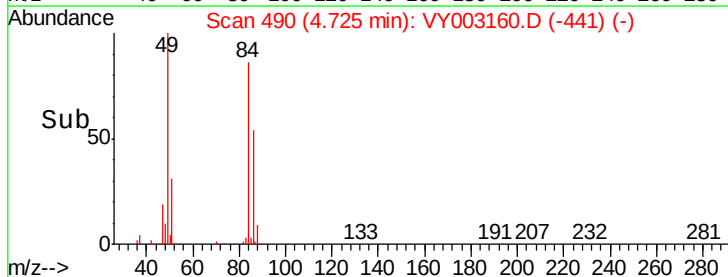
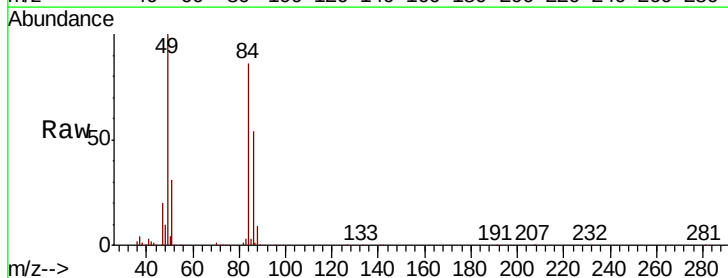
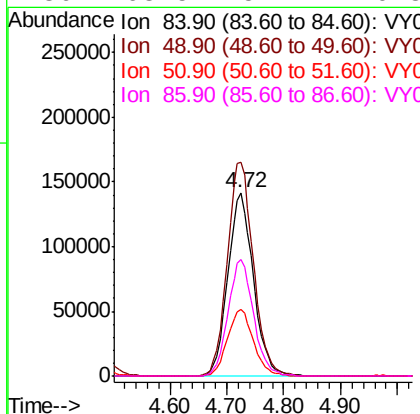
Manual Integrations
APPROVED

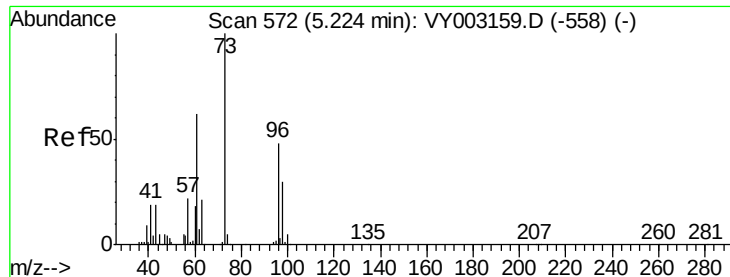
MMDadoda
7/13/2020 10:47:40 AM



#20
Methylene Chloride
Concen: 73.043 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY003160.D
Acq: 10 Jul 2020 12:39

Tgt Ion: 84 Resp: 441609
Ion Ratio Lower Upper
84 100
49 116.6 98.2 147.4
51 36.0 29.8 44.6
86 63.5 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 100.448 ug/l

RT: 5.22 min Scan# 572

Delta R.T. 0.00 min

Lab File: VY003160.D

Acq: 10 Jul 2020 12:39

Instrument :

MSVOA_Y

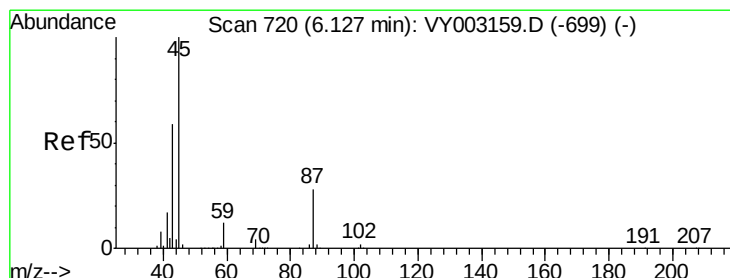
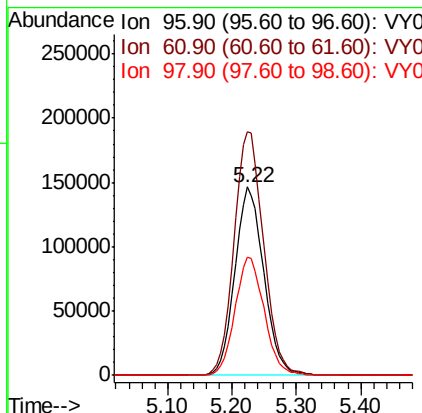
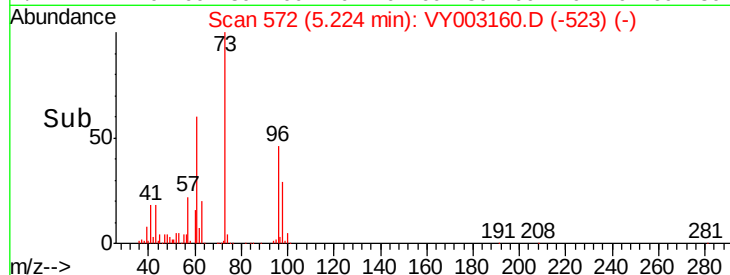
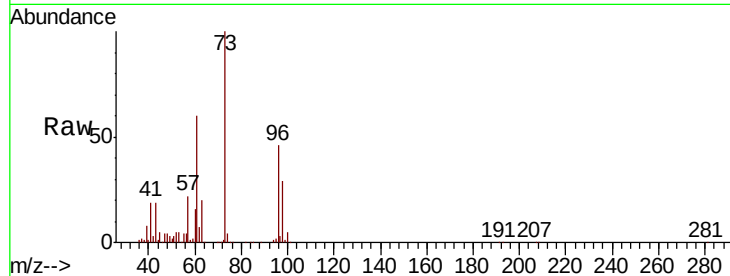
ClientSampleId :

VSTDIC100

Tot Ion:	96	Resp:	456279
Ion	Ratio	Lower	Upper
96	100		
61	129.2	102.5	153.7
98	62.5	49.8	74.8

Manual Integrations
APPROVED

MMDadoda
7/13/2020 10:47:40 AM



#22

Diisopropyl ether

Concen: 93.008 ug/l

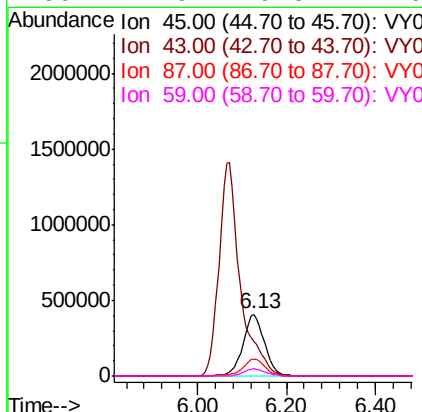
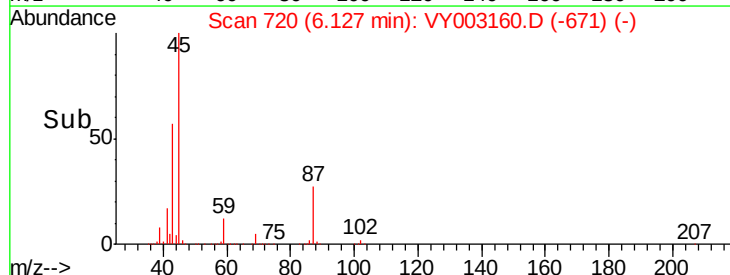
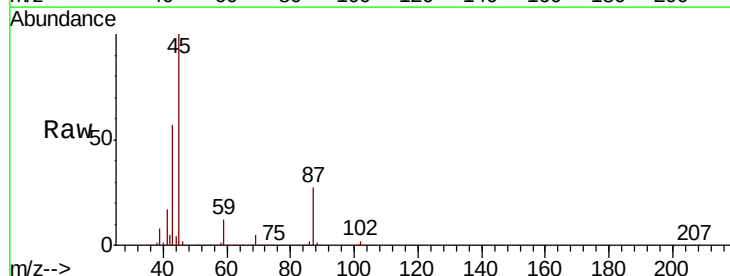
RT: 6.13 min Scan# 720

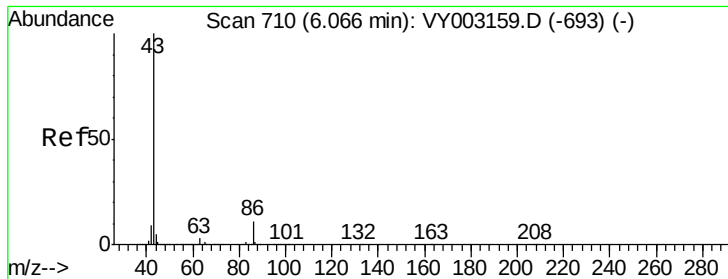
Delta R.T. 0.00 min

Lab File: VY003160.D

Acq: 10 Jul 2020 12:39

Tgt Ion:	45	Resp:	1373511
Ion	Ratio	Lower	Upper
45	100		
43	56.5	47.0	70.4
87	27.3	22.6	33.8
59	11.9	9.8	14.6





#23

Vinyl Acetate

Concen: 476.756 ug/l

RT: 6.07 min Scan# 711

Delta R.T. 0.01 min

Lab File: VY003160.D

Acq: 10 Jul 2020 12:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 4685324

Ion Ratio Lower Upper

43 100

86 11.3

8.8

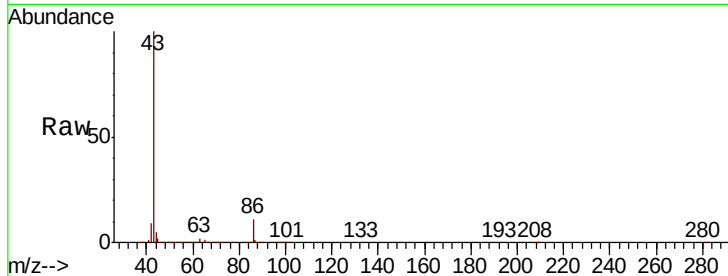
13.2

Manual Integrations

APPROVED

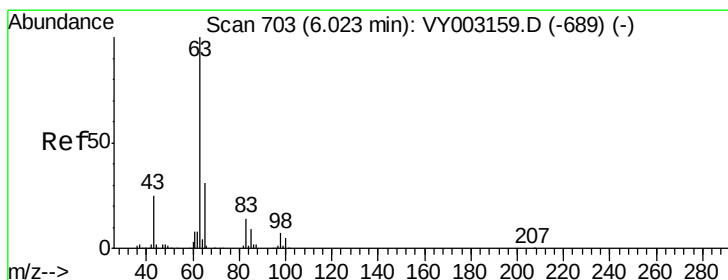
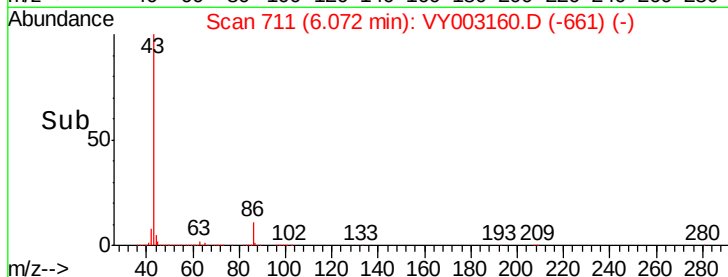
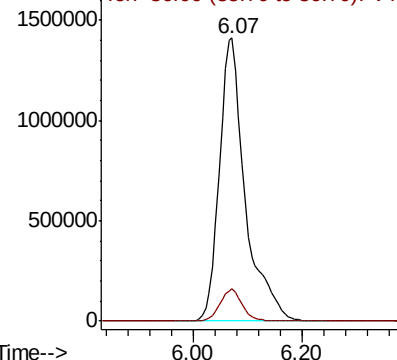
MMDadoda

7/13/2020 10:47:40 AM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 95.585 ug/l

RT: 6.03 min Scan# 704

Delta R.T. 0.01 min

Lab File: VY003160.D

Acq: 10 Jul 2020 12:39

Tgt Ion: 63 Resp: 776592

Ion Ratio Lower Upper

63 100

98 7.2

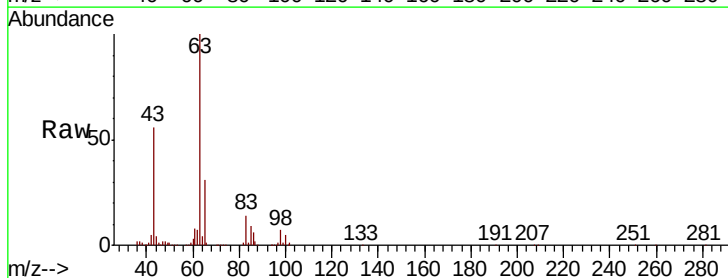
3.6

10.8

100 4.7

2.4

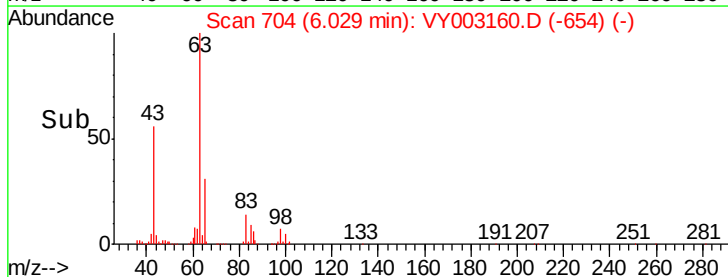
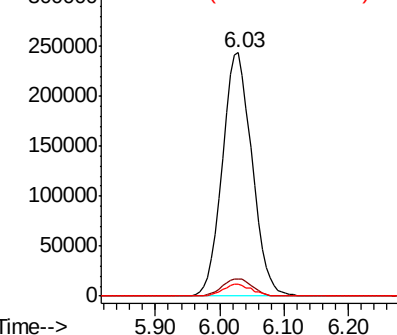
7.2

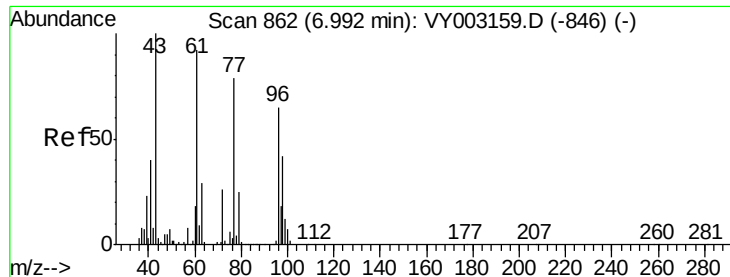


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





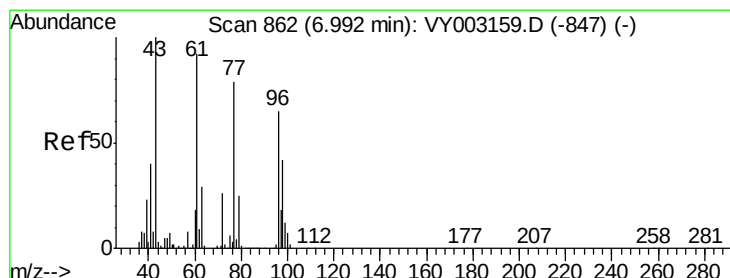
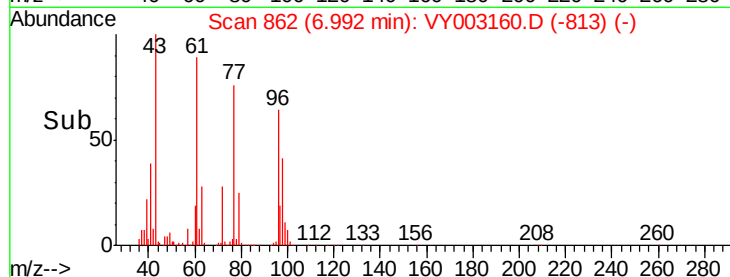
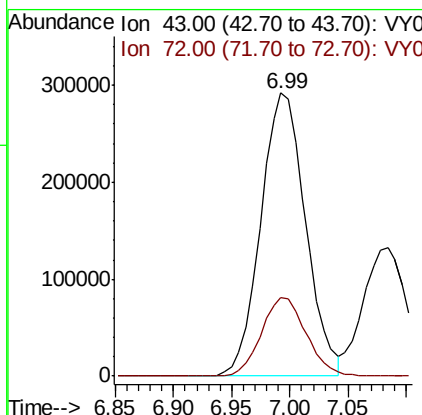
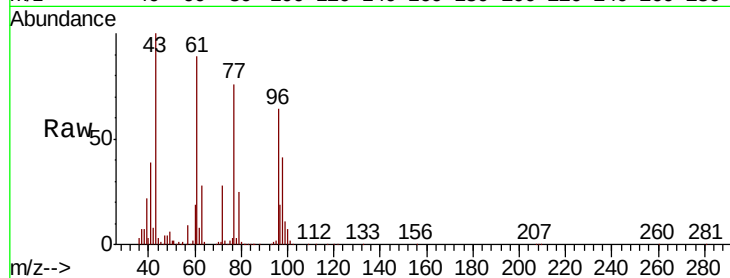
#25
2-Butanone
Concen: 464.139 ug/l
RT: 6.99 min Scan# 862
Delta R.T. 0.00 min
Lab File: VY003160.D
Acq: 10 Jul 2020 12:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
72	27.7	20.9	31.3

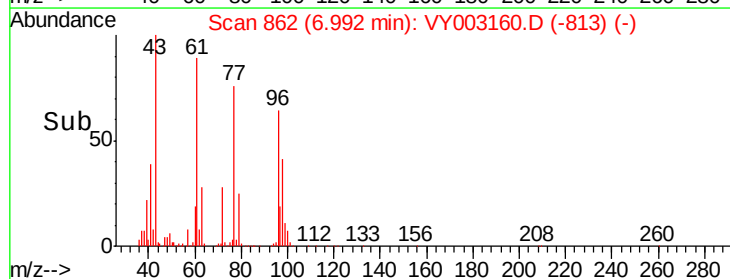
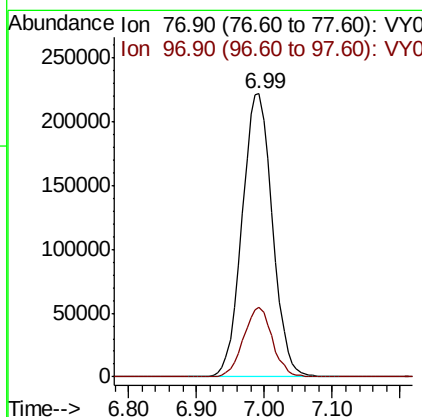
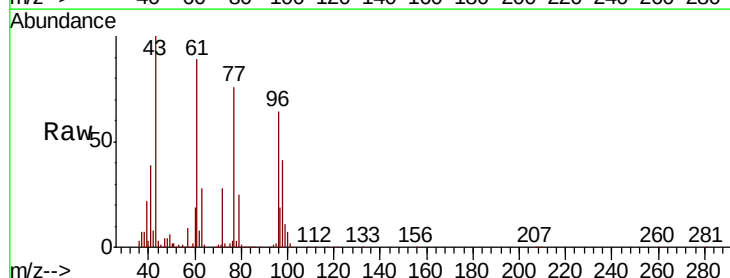
Manual Integrations
APPROVED

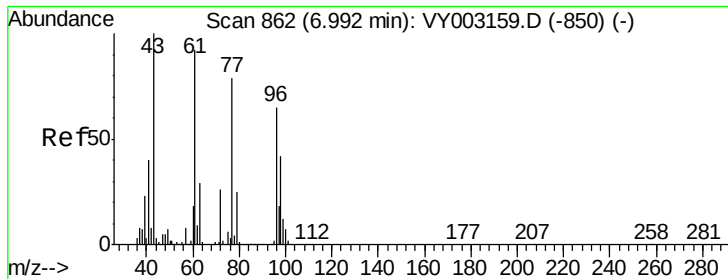
MMDadoda
7/13/2020 10:47:40 AM



#26
2,2-Dichloropropane
Concen: 93.181 ug/l
RT: 6.99 min Scan# 862
Delta R.T. 0.00 min
Lab File: VY003160.D
Acq: 10 Jul 2020 12:39

Tgt Ion	Ratio	Lower	Upper
77	100		
97	23.4	11.6	34.7





#27

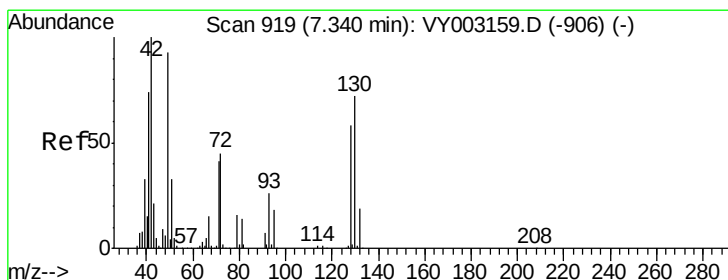
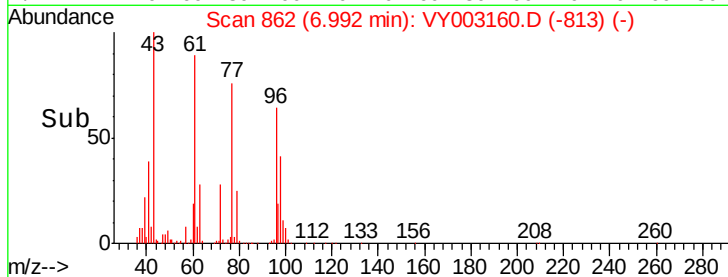
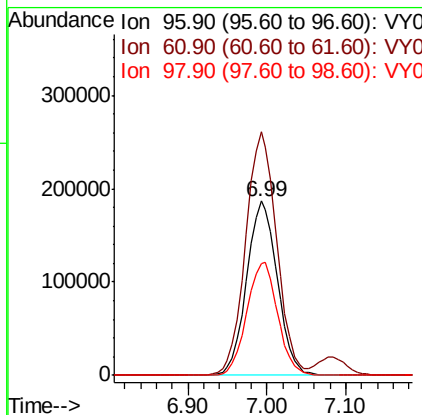
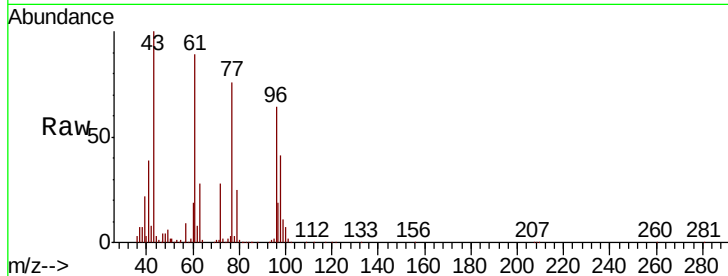
cis-1,2-Dichloroethene
 Concen: 99.361 ug/l
 RT: 6.99 min Scan# 862
 Delta R.T. 0.00 min
 Lab File: VY003160.D
 Acq: 10 Jul 2020 12:39

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
96	100	505180		
61	141.0		0.0	281.2
98	65.2		0.0	129.8

Manual Integrations
 APPROVED

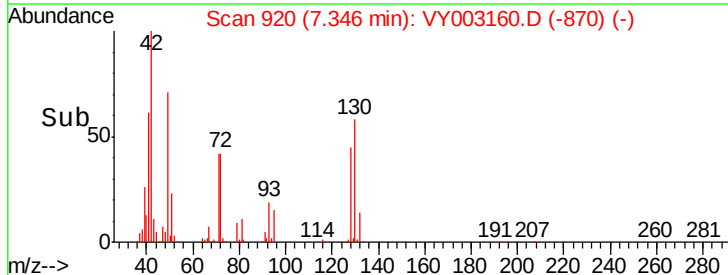
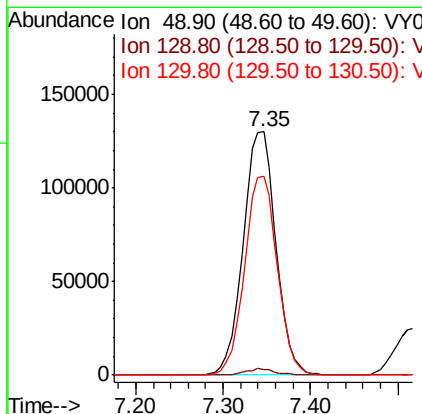
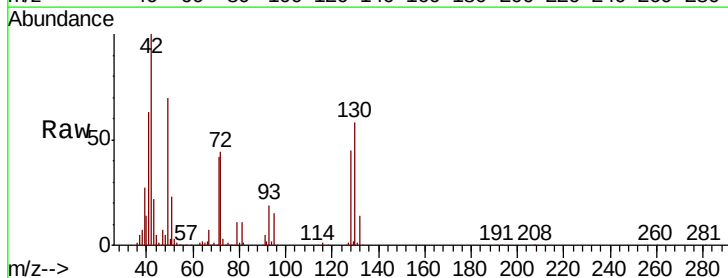
MMDadoda
 7/13/2020 10:47:40 AM

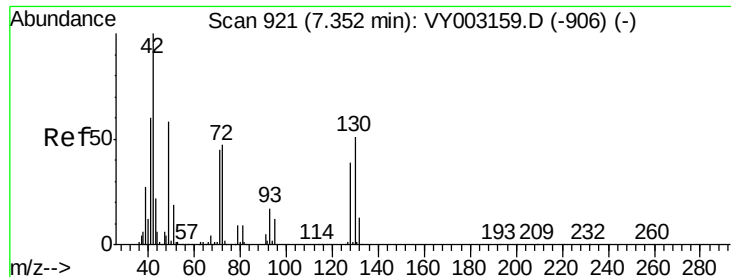


#28

Bromochloromethane
 Concen: 94.603 ug/l
 RT: 7.35 min Scan# 920
 Delta R.T. 0.01 min
 Lab File: VY003160.D
 Acq: 10 Jul 2020 12:39

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	337348		
129	2.4		0.0	5.0
130	81.9		64.9	97.3





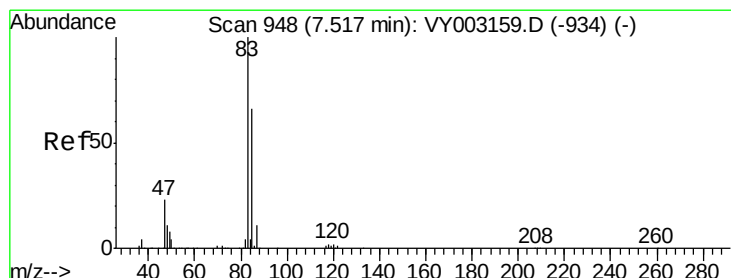
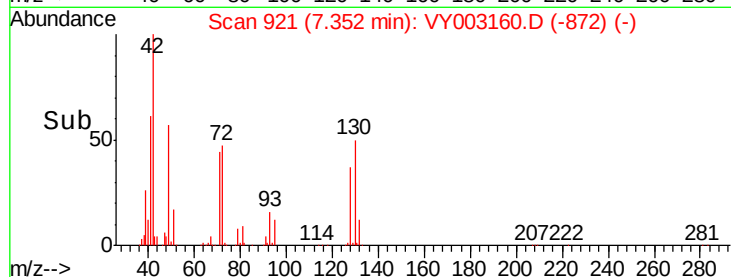
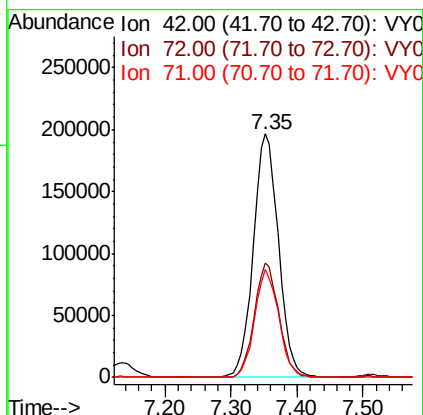
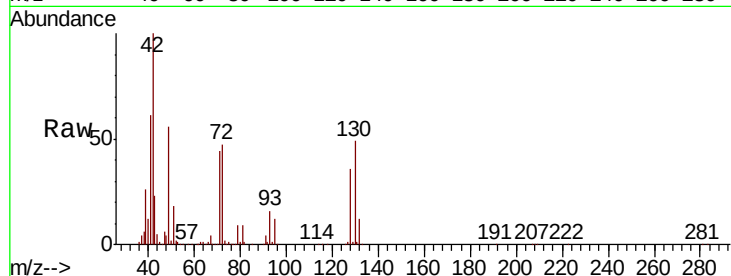
#29
Tetrahydrofuran
Concen: 469.112 ug/l
RT: 7.35 min Scan# 921
Delta R.T. 0.00 min
Lab File: VY003160.D
Acq: 10 Jul 2020 12:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.5	36.7	55.1
71	42.4	34.2	51.4

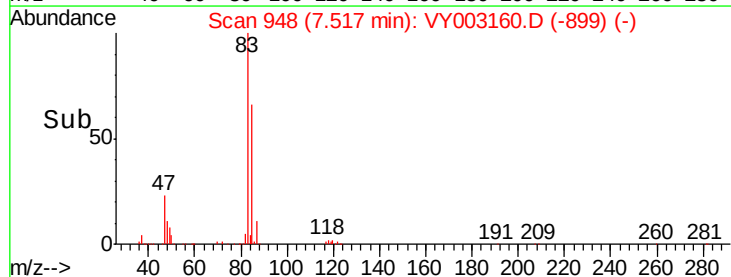
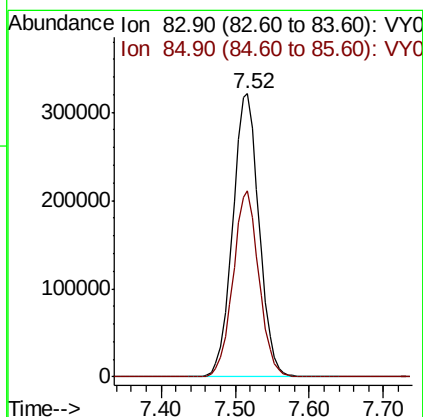
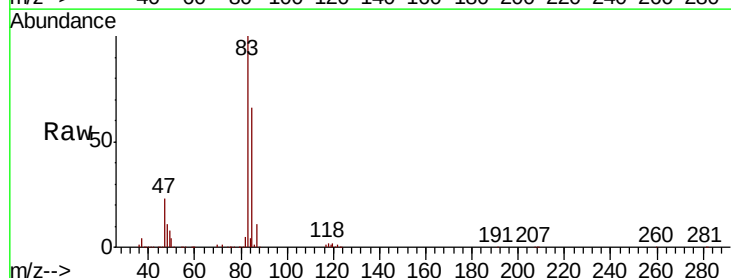
Manual Integrations
APPROVED

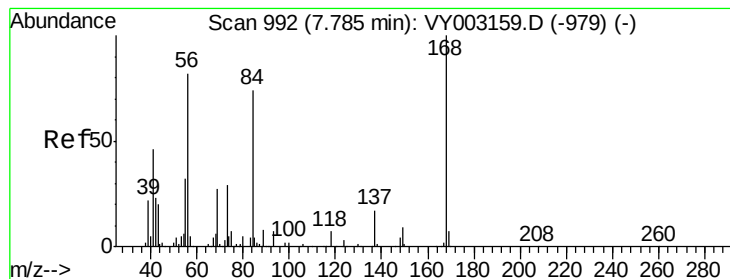
MMDadoda
7/13/2020 10:47:40 AM



#30
Chloroform
Concen: 98.302 ug/l
RT: 7.52 min Scan# 948
Delta R.T. 0.00 min
Lab File: VY003160.D
Acq: 10 Jul 2020 12:39

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	52.6	78.8





#31

Cyclohexane

Concen: 88.362 ug/l

RT: 7.79 min Scan# 993

Delta R.T. 0.01 min

Lab File: VY003160.D

Acq: 10 Jul 2020 12:39

Instrument :

MSVOA_Y

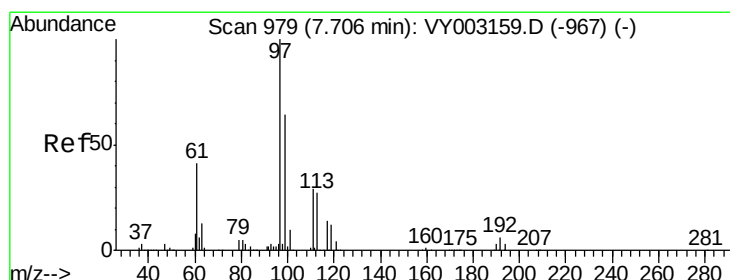
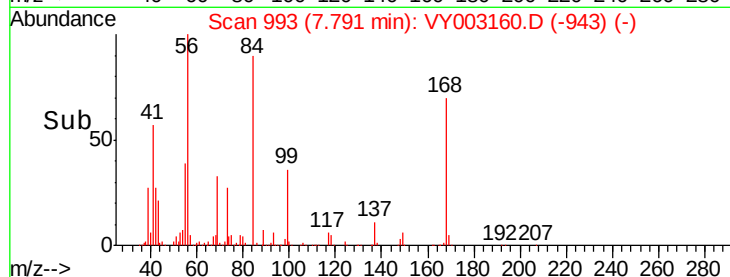
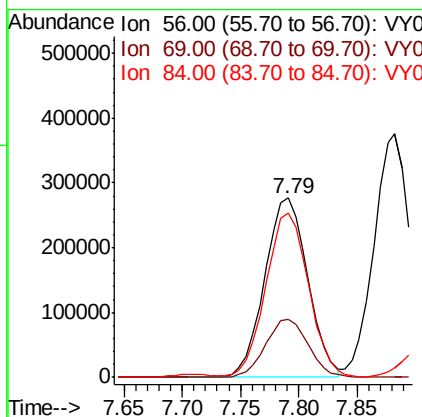
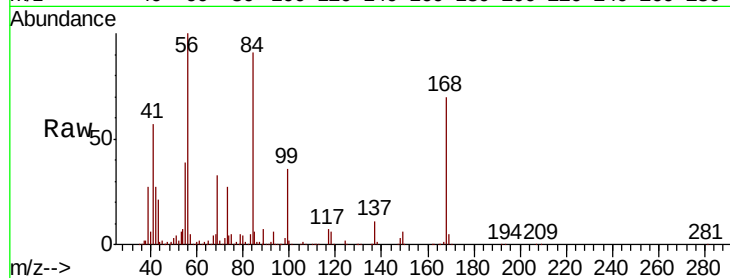
ClientSampleId :

VSTDIC100

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.5	26.7	40.1
84	89.8	72.3	108.5

Manual Integrations
APPROVED

MMDadoda
7/13/2020 10:47:40 AM



#32

1,1,1-Trichloroethane

Concen: 97.464 ug/l

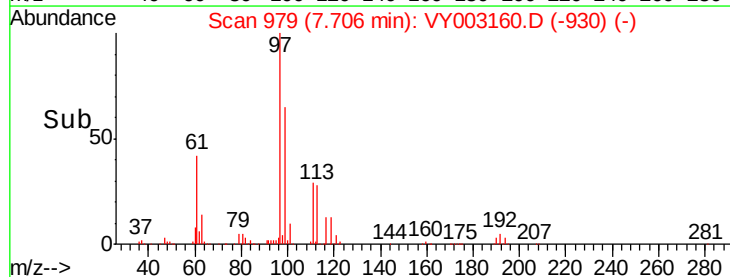
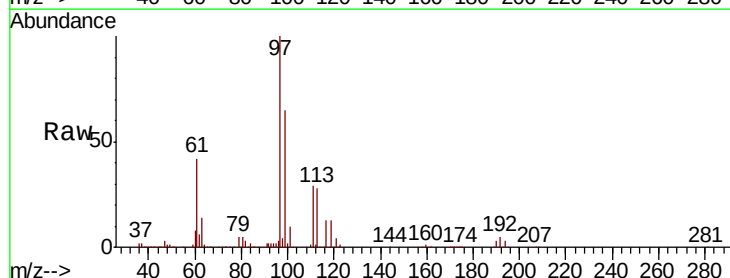
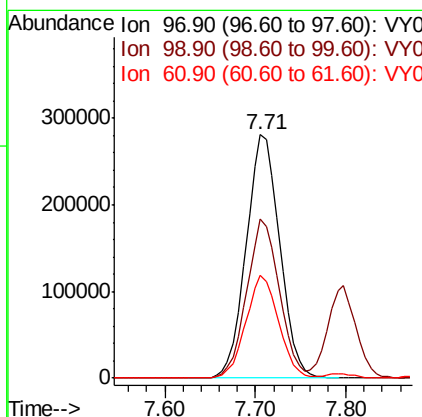
RT: 7.71 min Scan# 979

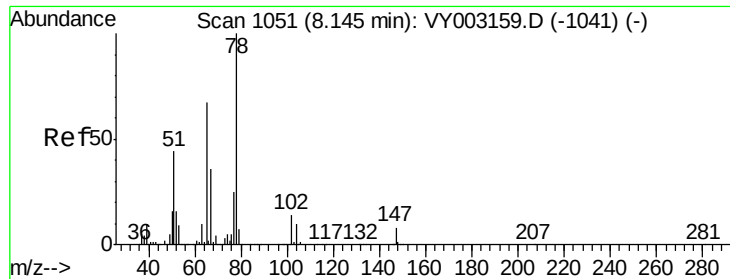
Delta R.T. 0.00 min

Lab File: VY003160.D

Acq: 10 Jul 2020 12:39

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.6	52.1	78.1
61	41.3	33.9	50.9





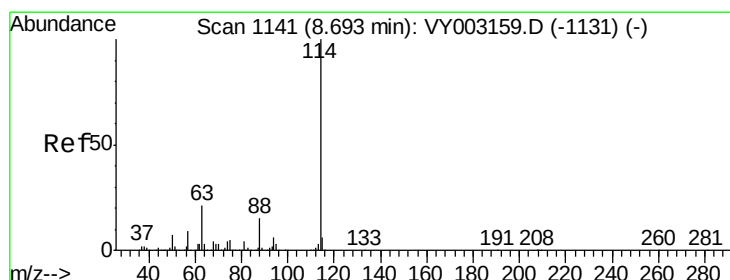
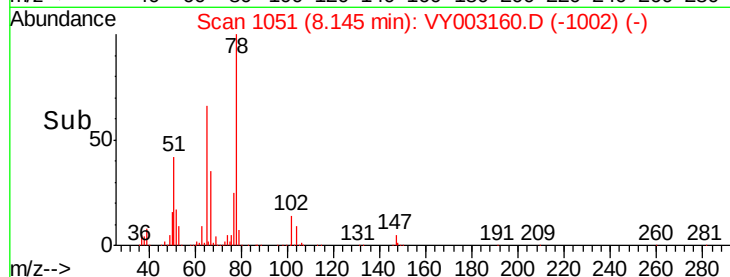
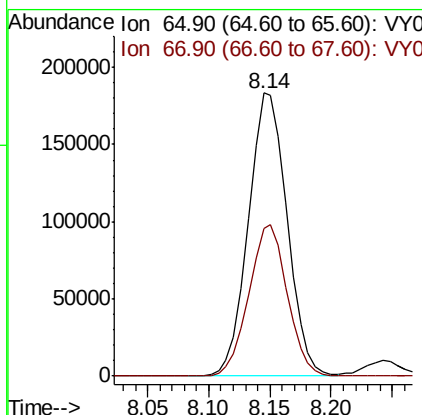
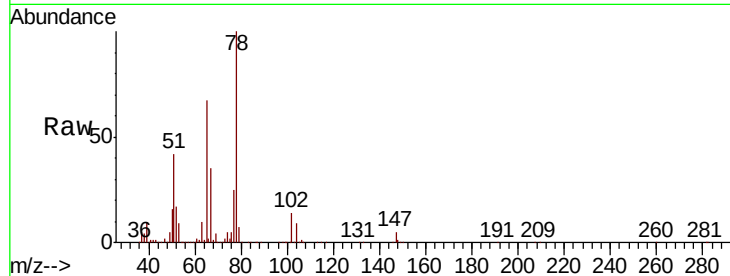
#33
 1,2-Dichloroethane-d4
 Concen: 90.418 ug/l
 RT: 8.14 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VY003160.D
 Acq: 10 Jul 2020 12:39

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.2	0.0	105.2	

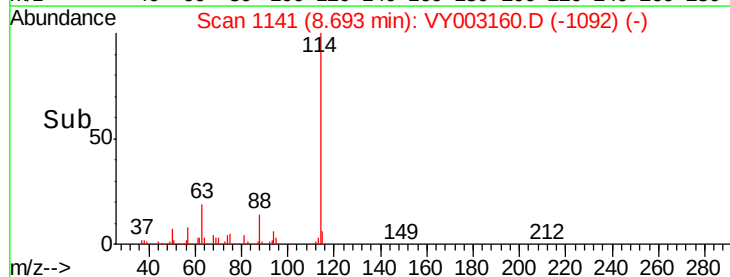
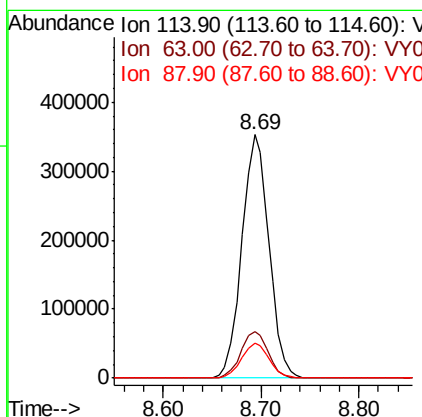
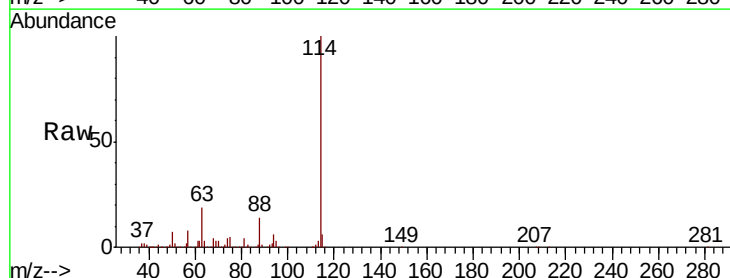
Manual Integrations
 APPROVED

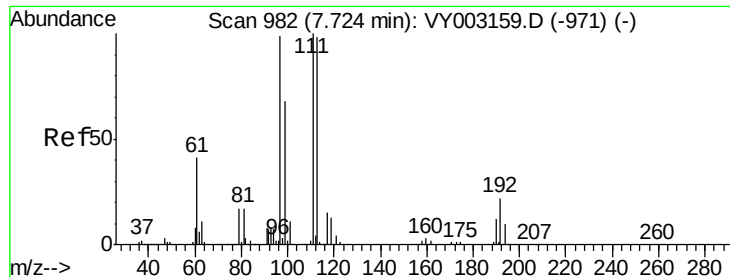
MMDadoda
 7/13/2020 10:47:40 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: VY003160.D
 Acq: 10 Jul 2020 12:39

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.0	0.0	41.2	
88	14.2	0.0	30.2	





#35

Dibromofluoromethane

Concen: 98.128 ug/l

RT: 7.72 min Scan# 982

Delta R.T. 0.00 min

Lab File: VY003160.D

Acq: 10 Jul 2020 12:39

Instrument :

MSVOA_Y

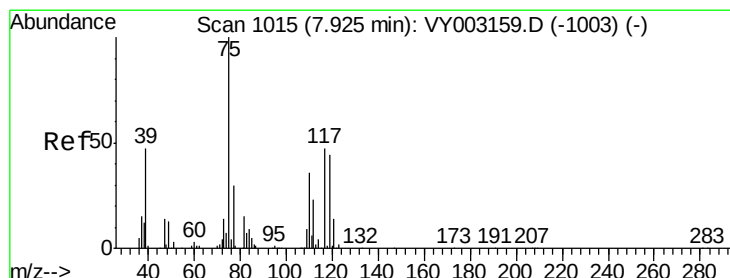
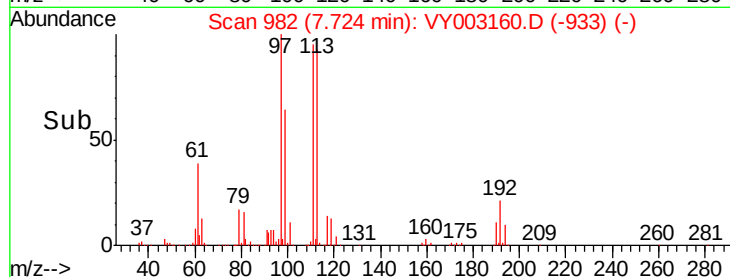
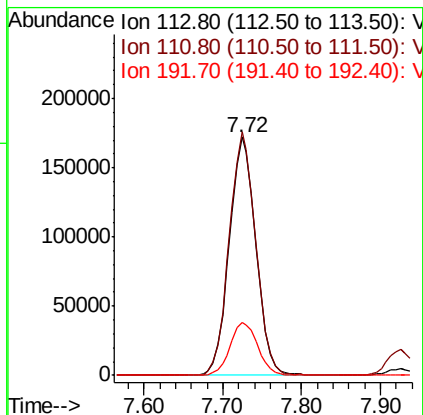
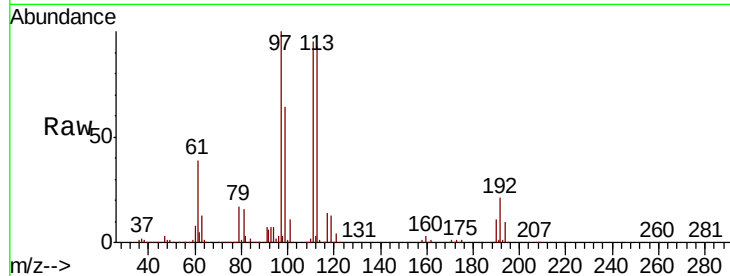
ClientSampleId :

VSTDIC100

Tot Ion:	113	Resp:	402983
Ion Ratio	Lower	Upper	
113	100		
111	102.0	82.1	123.1
192	22.9	18.8	28.2

Manual Integrations
APPROVED

MMDadoda
7/13/2020 10:47:40 AM



#36

1,1-Dichloropropene

Concen: 97.764 ug/l

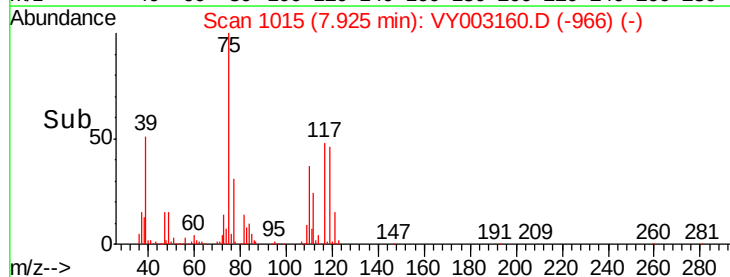
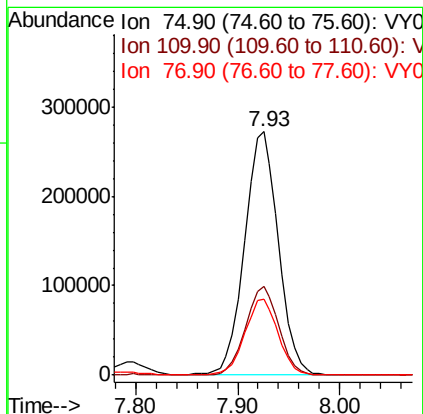
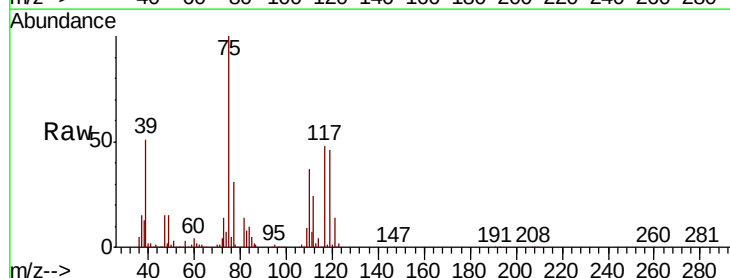
RT: 7.93 min Scan# 1015

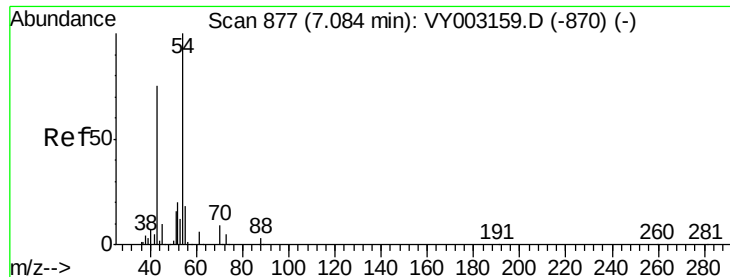
Delta R.T. 0.00 min

Lab File: VY003160.D

Acq: 10 Jul 2020 12:39

Tgt Ion:	75	Resp:	625561
Ion Ratio	Lower	Upper	
75	100		
110	35.8	18.1	54.1
77	31.0	24.8	37.2





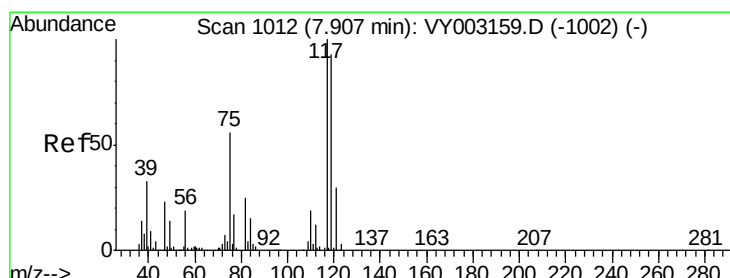
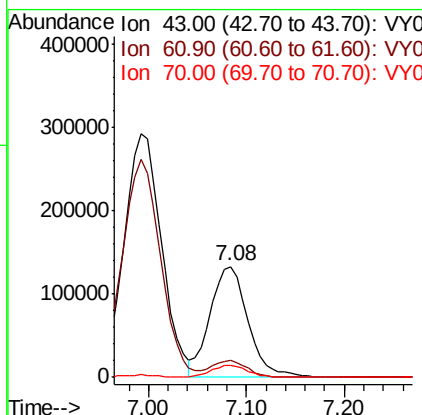
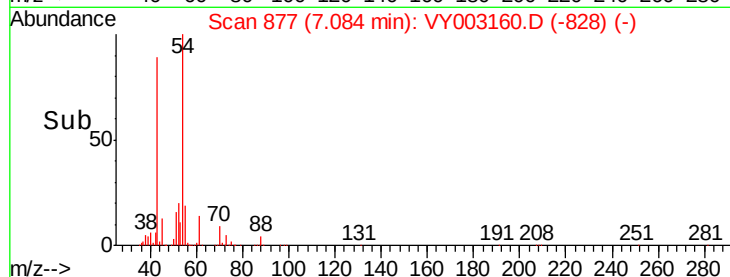
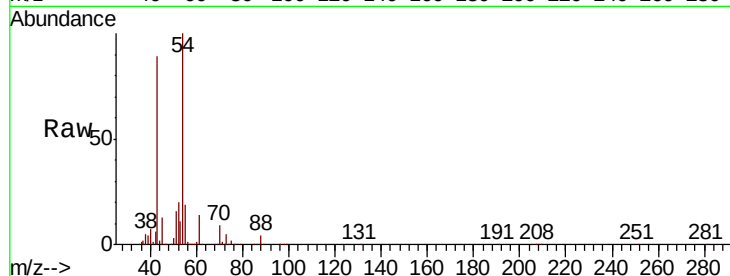
#37
Ethyl Acetate
Concen: 94.834 ug/l
RT: 7.08 min Scan# 877
Delta R.T. 0.00 min
Lab File: VY003160.D
Acq: 10 Jul 2020 12:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.9	11.8	17.6
70	10.4	8.6	13.0

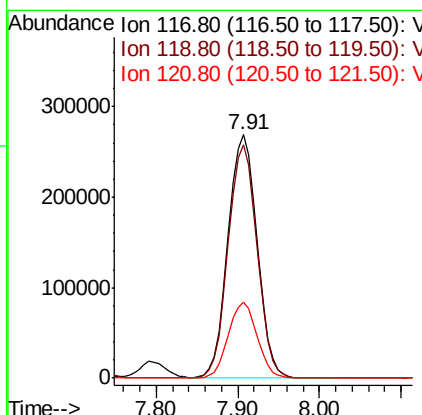
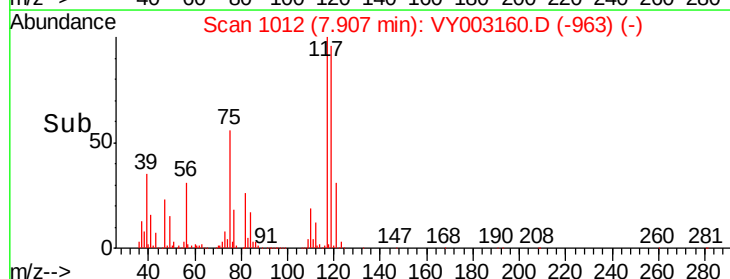
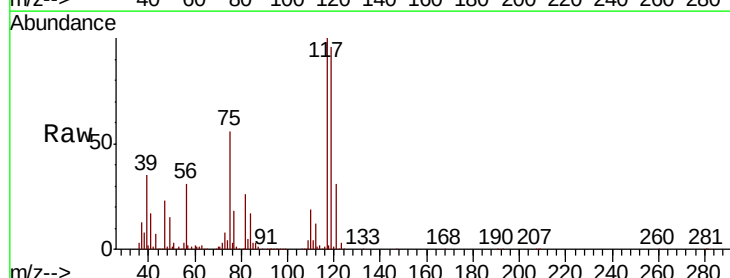
Manual Integrations
APPROVED

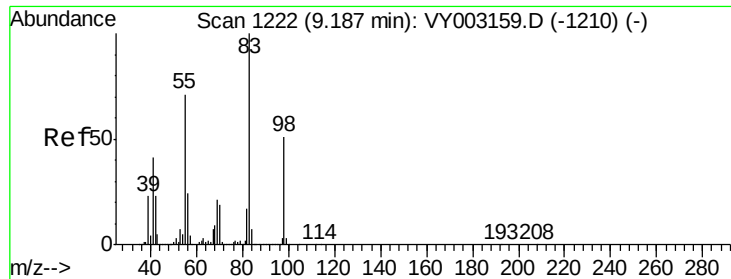
MMDadoda
7/13/2020 10:47:40 AM



#38
Carbon Tetrachloride
Concen: 99.513 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VY003160.D
Acq: 10 Jul 2020 12:39

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.7	74.5	111.7
121	31.4	24.2	36.2





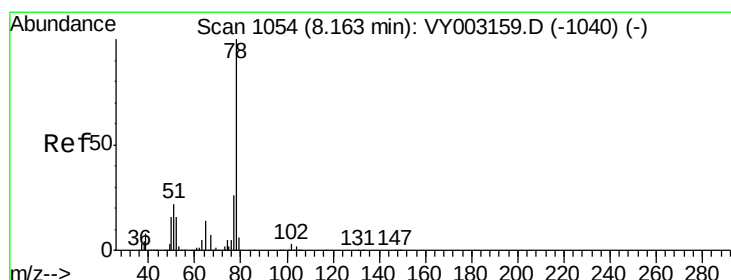
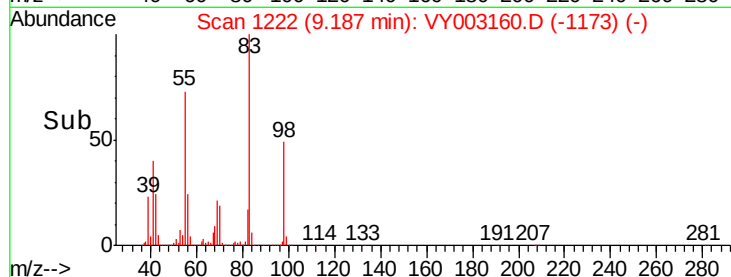
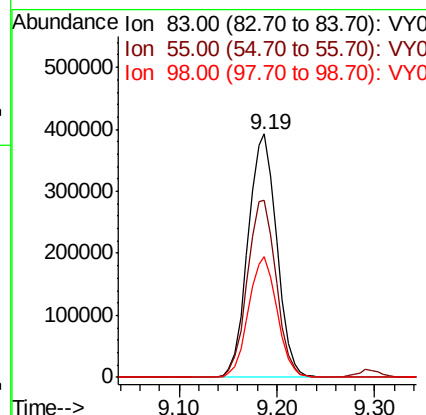
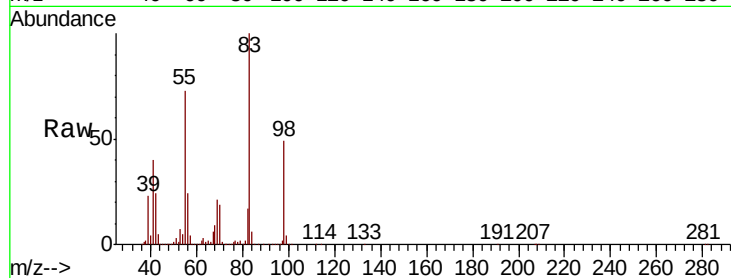
#39
Methylvlcyclohexane
Concen: 100.683 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. 0.00 min
Lab File: VY003160.D
Acq: 10 Jul 2020 12:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tot Ion	83	Resp	798701
Ion Ratio	100	Lower	Upper
83	100		
55	72.9	57.2	85.8
98	49.4	41.0	61.6

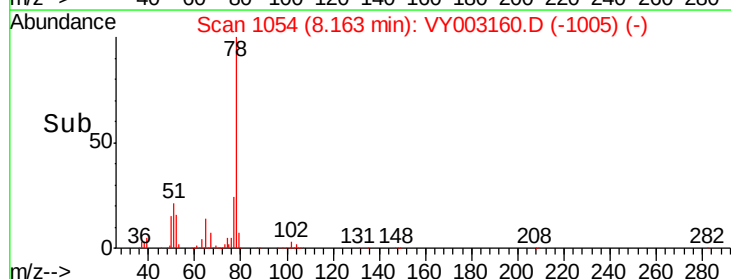
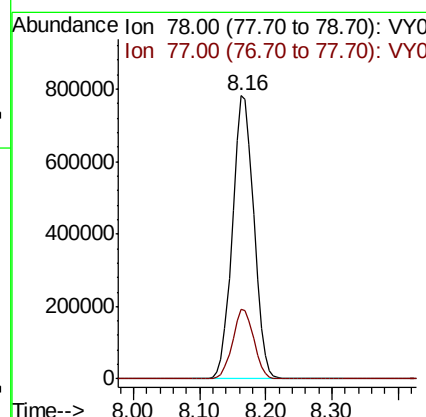
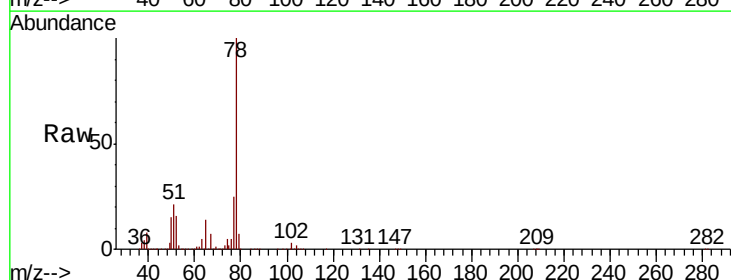
Manual Integrations
APPROVED

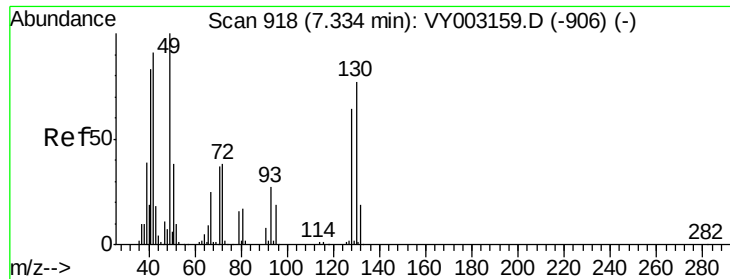
MMDadoda
7/13/2020 10:47:40 AM



#40
Benzene
Concen: 100.125 ug/l
RT: 8.16 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VY003160.D
Acq: 10 Jul 2020 12:39

Tgt Ion	78	Resp	1754791
Ion Ratio	100	Lower	Upper
78	100		
77	24.5	20.7	31.1





#41

Methacrylonitrile

Concen: 110.518 ug/l m

RT: 7.33 min Scan# 918

Delta R.T. 0.00 min

Lab File: VY003160.D

Acq: 10 Jul 2020 12:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion: 41 Resp: 221984

Ion Ratio Lower Upper

41 100

39 102.1 83.3 124.9

67 0.0 0.0 0.0

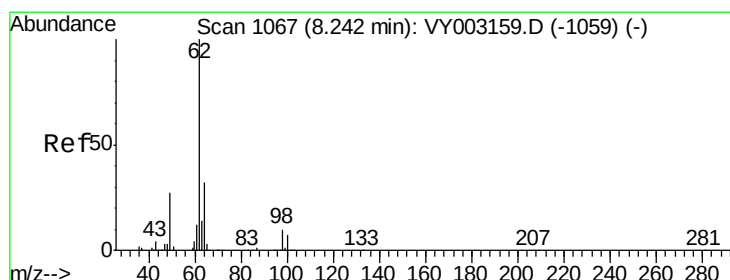
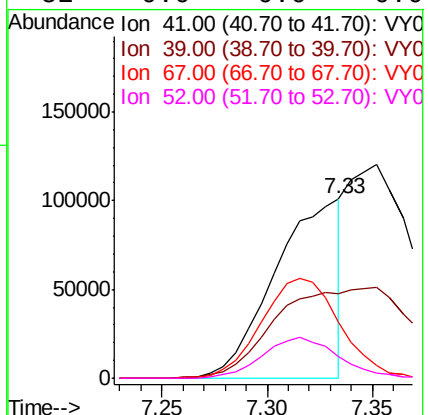
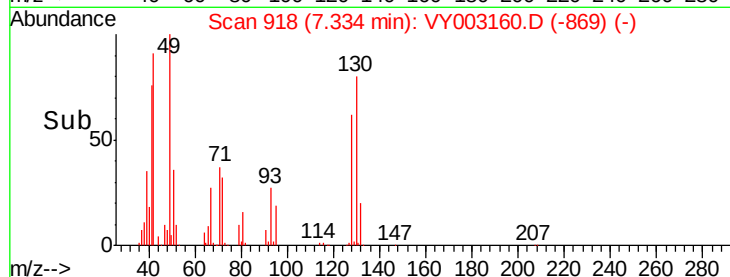
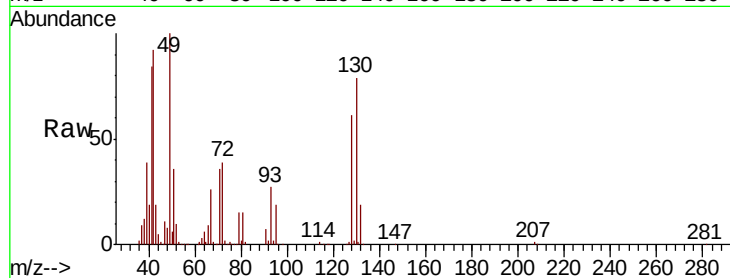
52 0.0 0.0 0.0

Manual Integrations

APPROVED

MMDadoda

7/13/2020 10:47:40 AM



#42

1,2-Dichloroethane

Concen: 97.048 ug/l

RT: 8.24 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VY003160.D

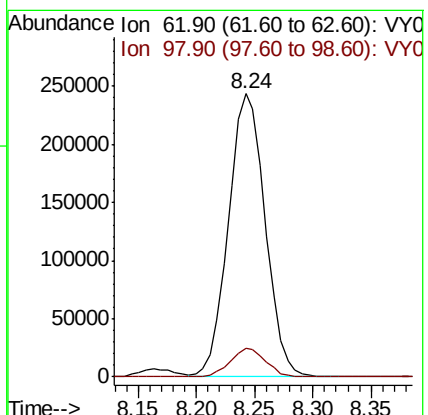
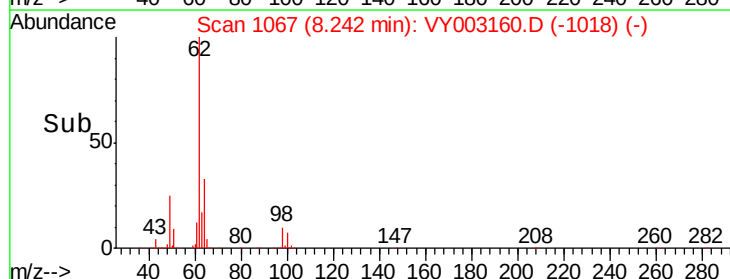
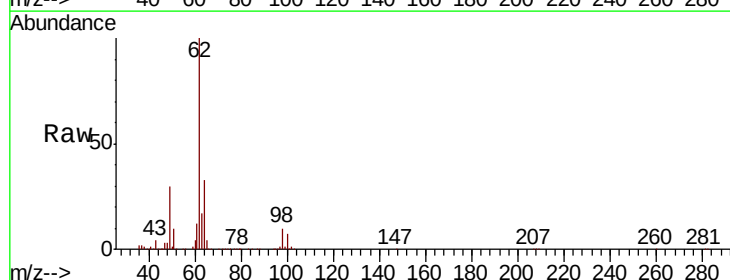
Acq: 10 Jul 2020 12:39

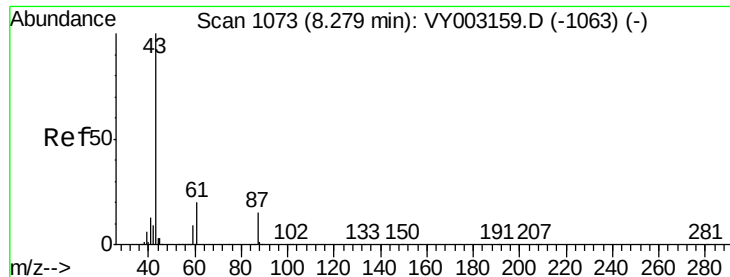
Tgt Ion: 62 Resp: 534421

Ion Ratio Lower Upper

62 100

98 9.8 0.0 19.0





#43

Isopropyl Acetate

Concen: 94.515 ug/l

RT: 8.28 min Scan# 1073

Delta R.T. 0.00 min

Lab File: VY003160.D

Acq: 10 Jul 2020 12:39

Instrument :

MSVOA_Y

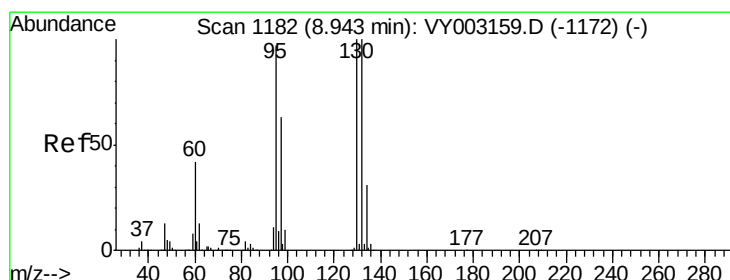
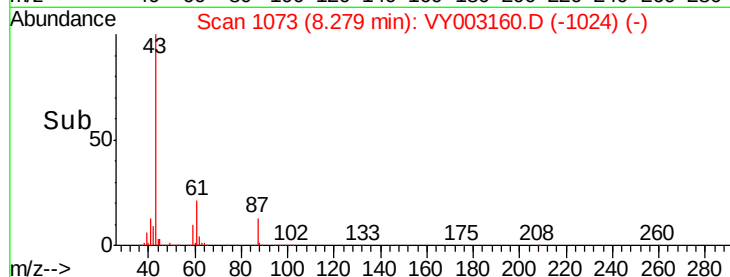
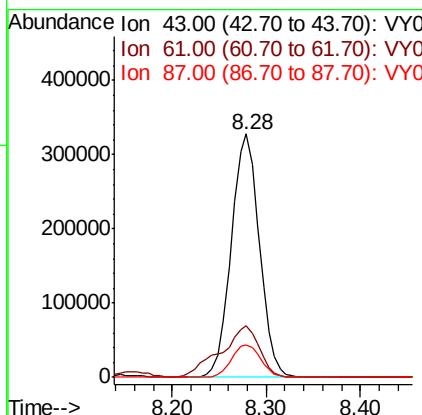
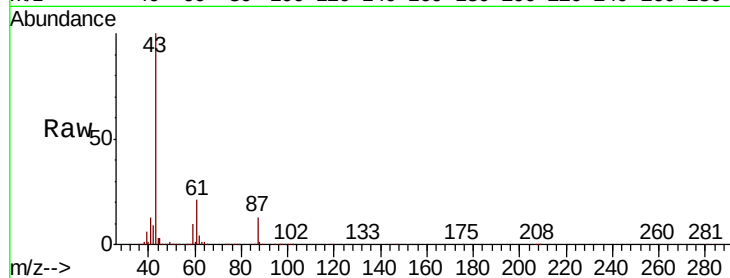
ClientSampleId :

VSTDIC100

Tot Ion:	43	Resp:	677592
Ion	Ratio	Lower	Upper
43	100		
61	29.1	23.7	35.5
87	13.9	11.4	17.0

Manual Integrations
APPROVED

MMDadoda
7/13/2020 10:47:40 AM



#44

Trichloroethene

Concen: 102.417 ug/l

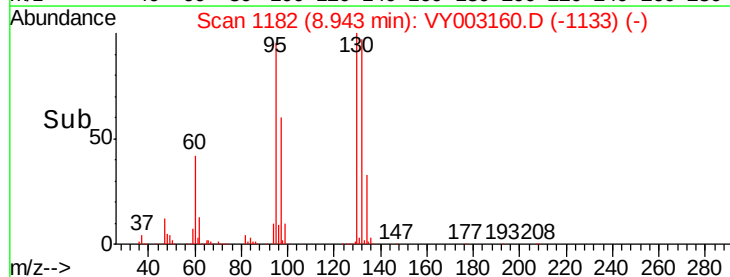
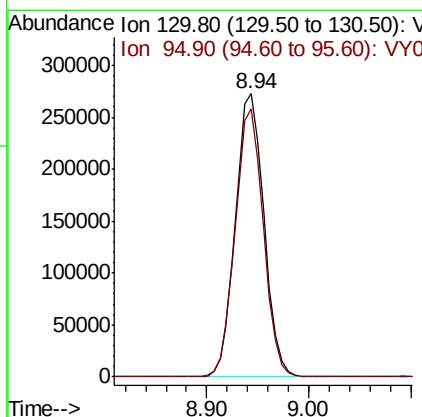
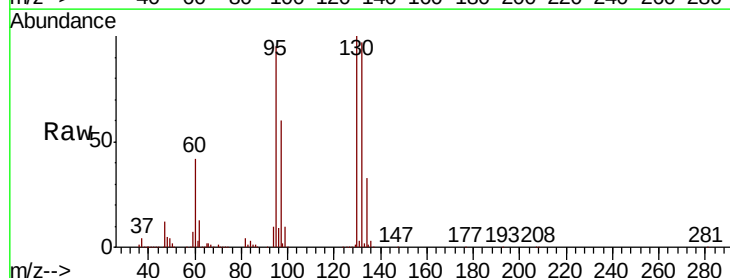
RT: 8.94 min Scan# 1182

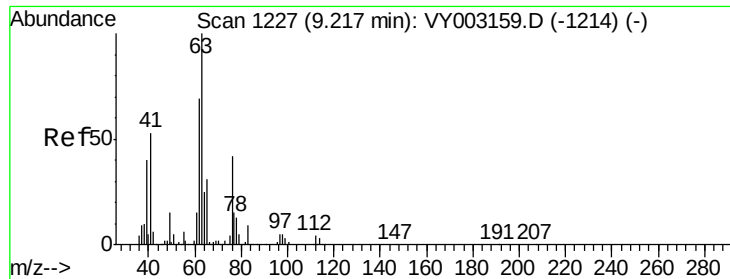
Delta R.T. 0.00 min

Lab File: VY003160.D

Acq: 10 Jul 2020 12:39

Tgt Ion:	130	Resp:	526177
Ion	Ratio	Lower	Upper
130	100		
95	94.6	0.0	193.8





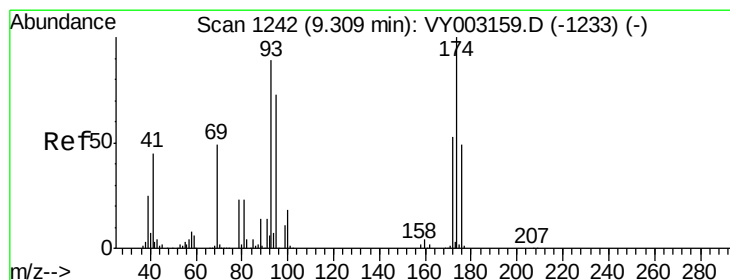
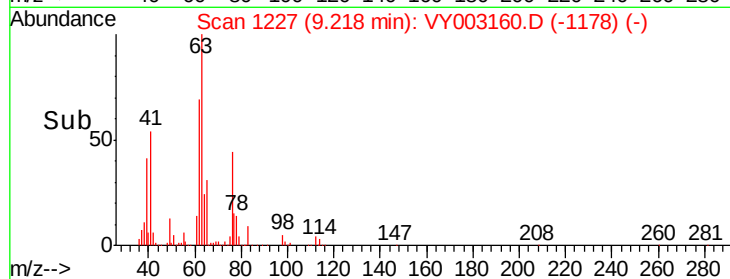
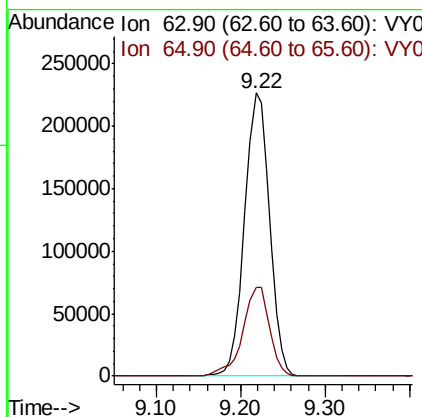
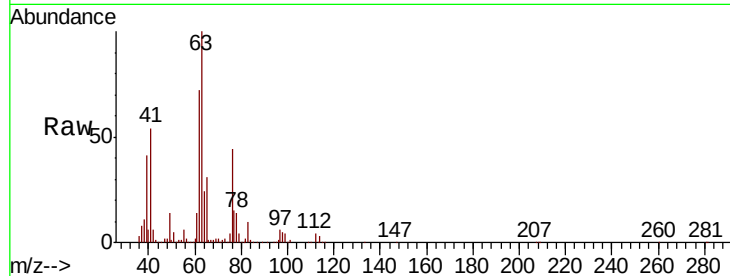
#45
 1,2-Dichloropropane
 Concen: 96.223 ug/l
 RT: 9.22 min Scan# 1227
 Delta R.T. 0.00 min
 Lab File: VY003160.D
 Acq: 10 Jul 2020 12:39

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.2	25.0	37.4

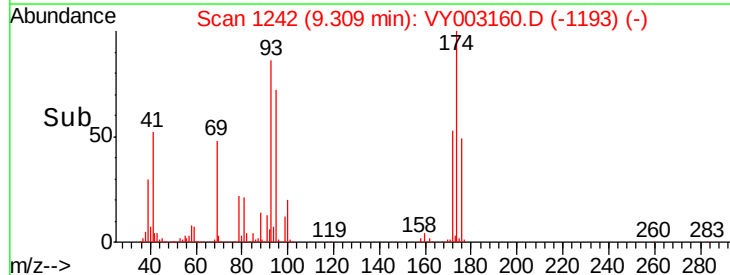
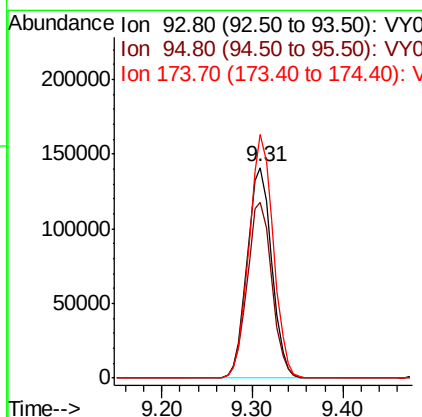
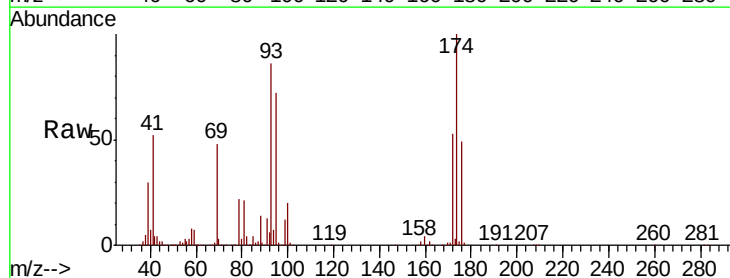
Manual Integrations
 APPROVED

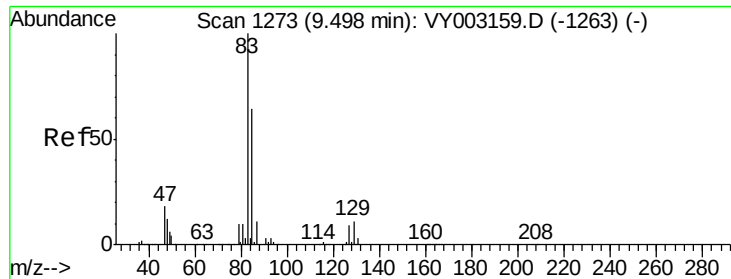
MMDadoda
 7/13/2020 10:47:40 AM



#46
 Dibromomethane
 Concen: 100.874 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VY003160.D
 Acq: 10 Jul 2020 12:39

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.5	66.6	99.8
174	113.7	90.2	135.4





#47

Bromodichloromethane

Concen: 99.588 ug/l

RT: 9.50 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VY003160.D

Acq: 10 Jul 2020 12:39

Instrument :

MSVOA_Y

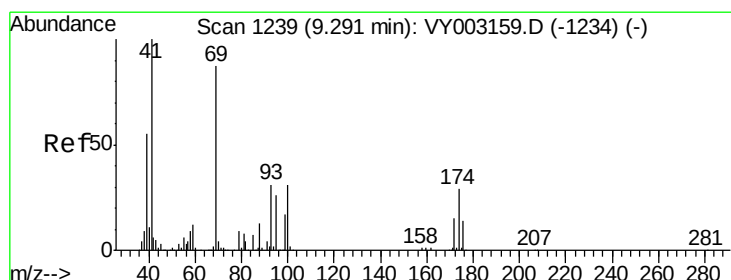
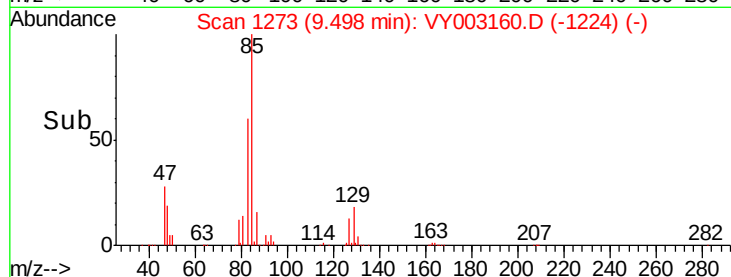
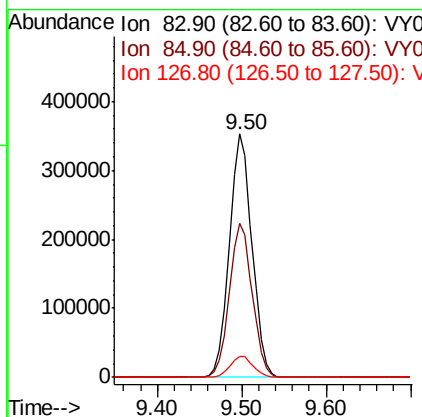
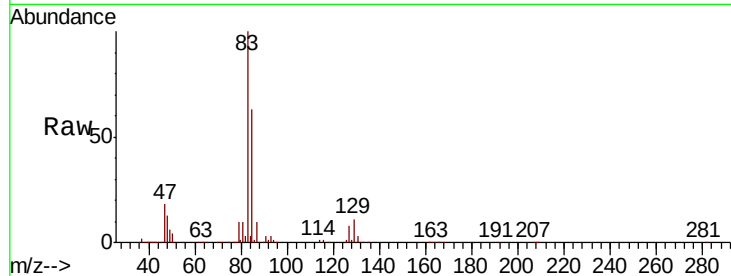
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	640104
Ion	Ratio	Lower	Upper
83	100		
85	63.4	50.9	76.3
127	8.5	7.0	10.4

Manual Integrations
APPROVED

MMDadoda
7/13/2020 10:47:40 AM



#48

Methyl methacrylate

Concen: 95.787 ug/l

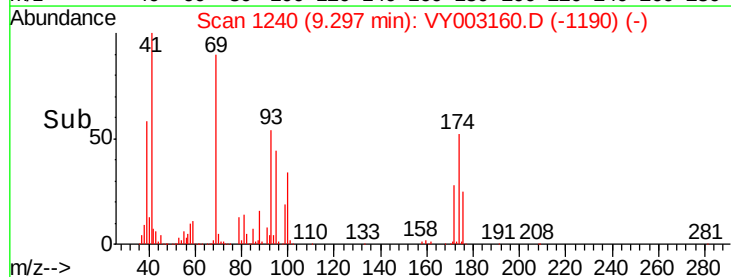
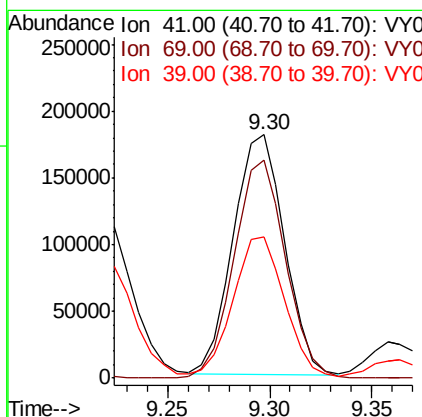
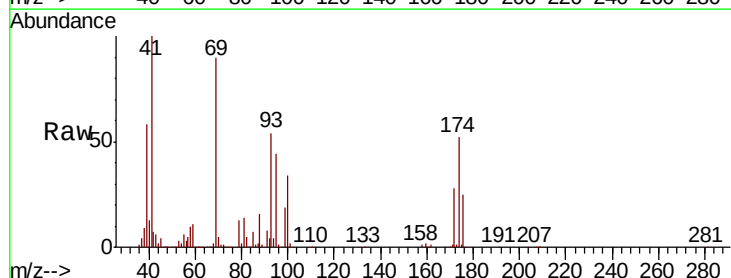
RT: 9.30 min Scan# 1240

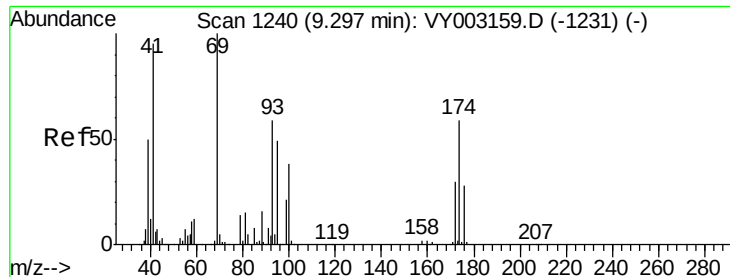
Delta R.T. 0.01 min

Lab File: VY003160.D

Acq: 10 Jul 2020 12:39

Tgt Ion:	41	Resp:	312593
Ion	Ratio	Lower	Upper
41	100		
69	91.7	74.5	111.7
39	57.5	47.5	71.3





#49

1,4-Dioxane

Concen: 2158.694 ug/l

RT: 9.30 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VY003160.D

Acq: 10 Jul 2020 12:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion: 88 Resp: 70317

Ion Ratio Lower Upper

88 100

43 29.7 25.6 38.4

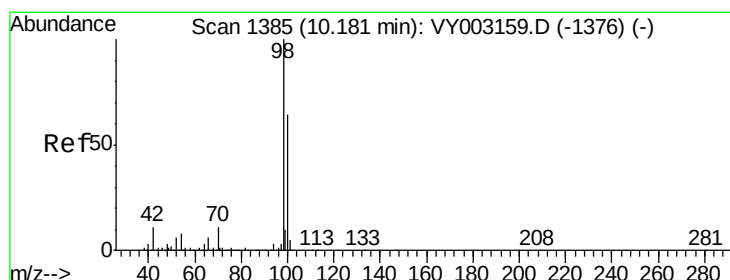
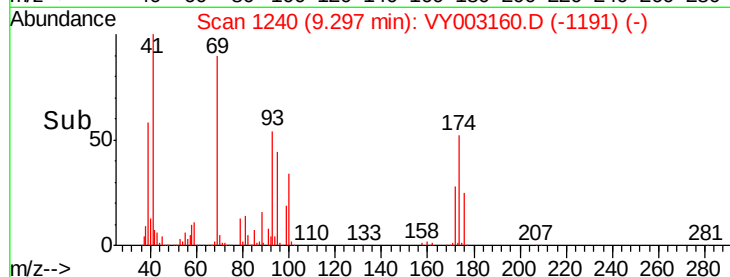
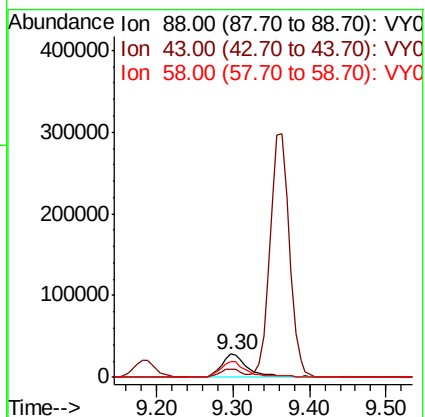
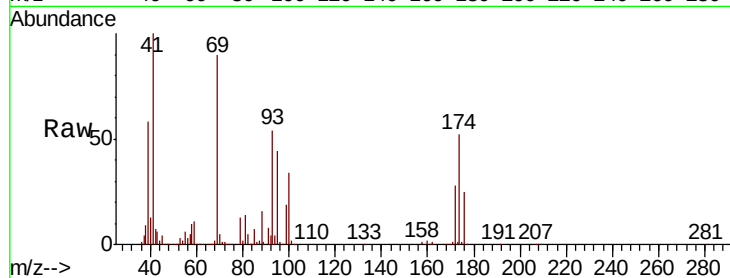
58 61.9 47.8 71.6

Manual Integrations

APPROVED

MMDadoda

7/13/2020 10:47:40 AM



#50

Toluene-d8

Concen: 95.908 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY003160.D

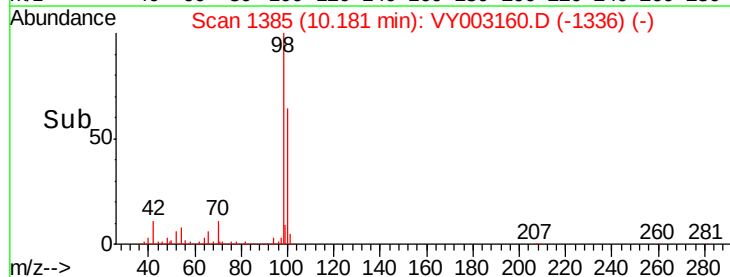
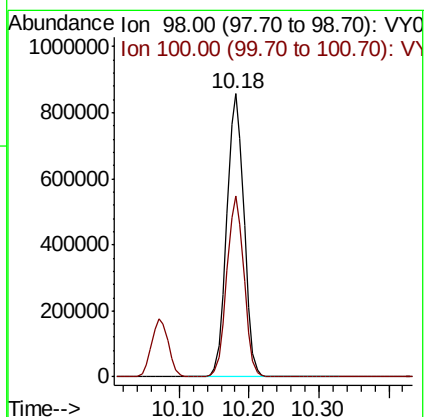
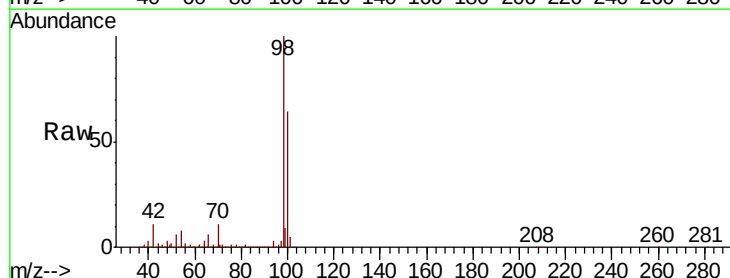
Acq: 10 Jul 2020 12:39

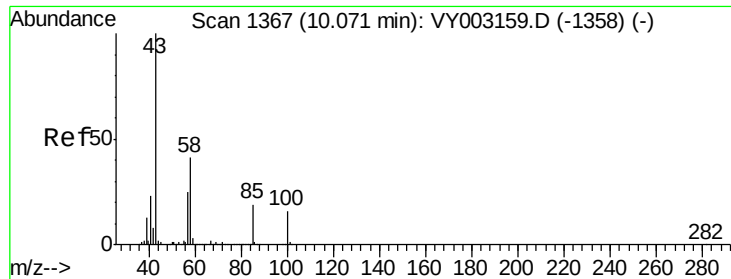
Tgt Ion: 98 Resp: 1460923

Ion Ratio Lower Upper

98 100

100 63.8 50.7 76.1





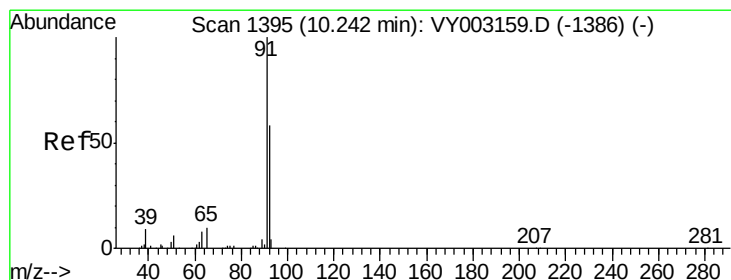
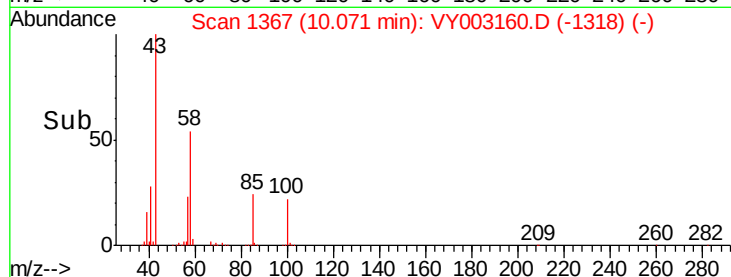
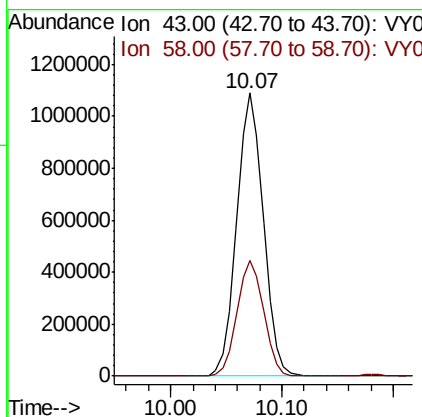
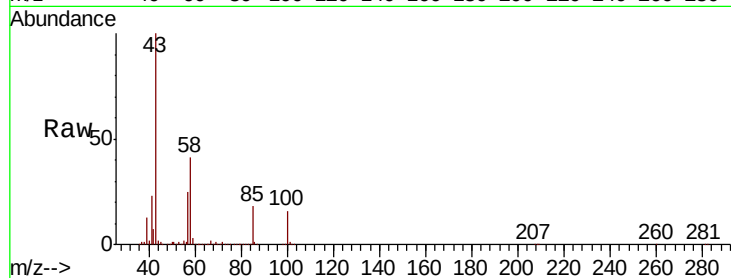
#51
4-Methyl-2-Pentanone
Concen: 484.160 ug/l
RT: 10.07 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VY003160.D
Acq: 10 Jul 2020 12:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 1797603
Ion Ratio Lower Upper
43 100
58 41.1 32.7 49.1

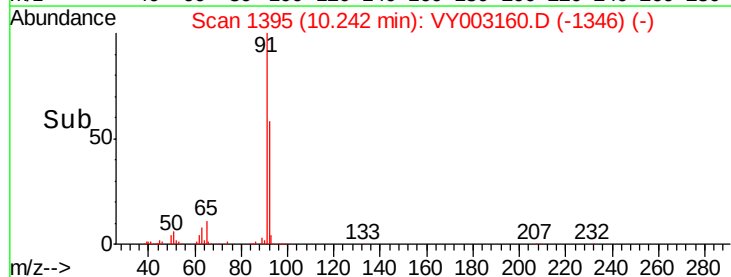
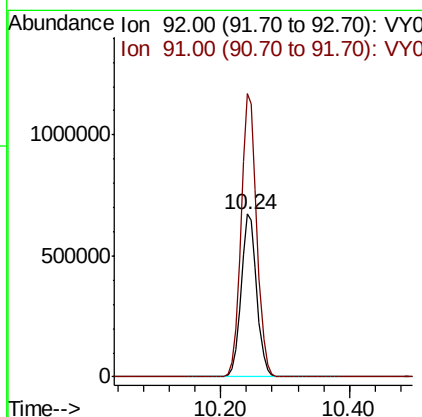
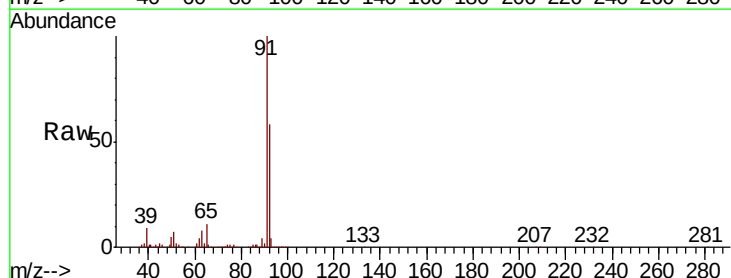
Manual Integrations
APPROVED

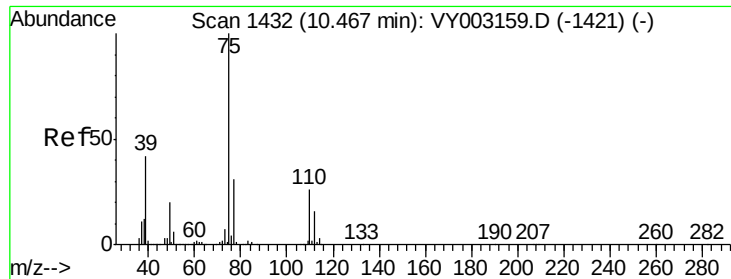
MMDadoda
7/13/2020 10:47:40 AM



#52
Toluene
Concen: 101.450 ug/l
RT: 10.24 min Scan# 1395
Delta R.T. 0.00 min
Lab File: VY003160.D
Acq: 10 Jul 2020 12:39

Tgt Ion: 92 Resp: 1123159
Ion Ratio Lower Upper
92 100
91 174.5 139.7 209.5





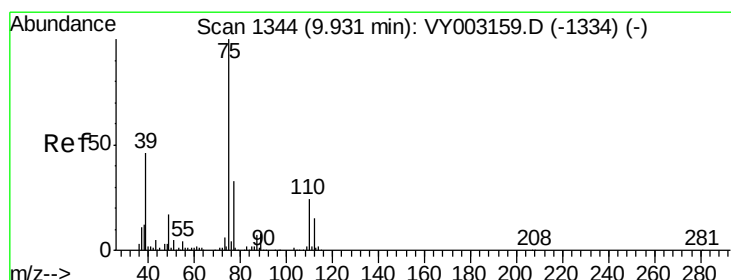
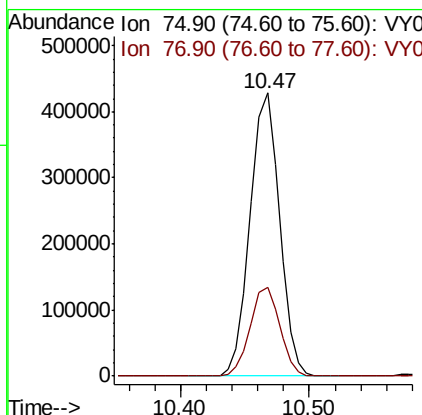
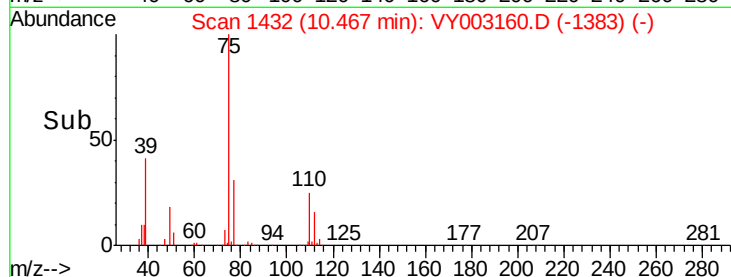
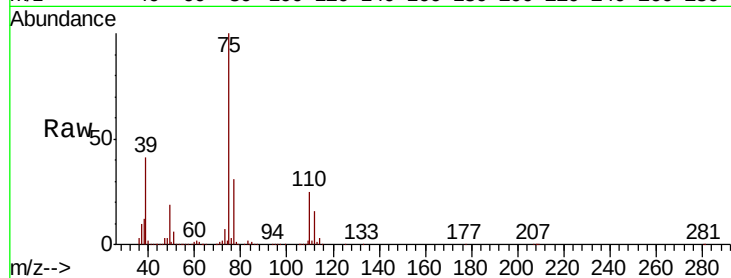
#53
t-1,3-Dichloropropene
Concen: 100.608 ug/l
RT: 10.47 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VY003160.D
Acq: 10 Jul 2020 12:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.2	37.8

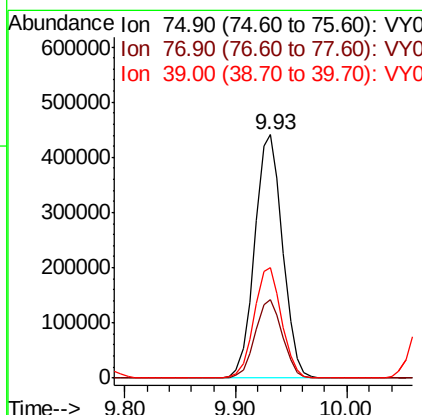
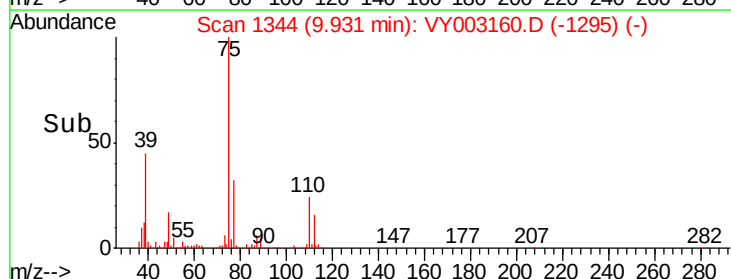
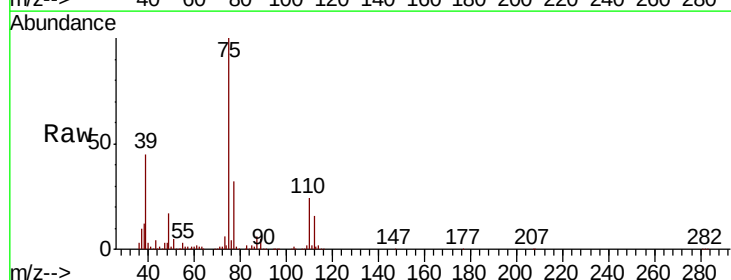
Manual Integrations
APPROVED

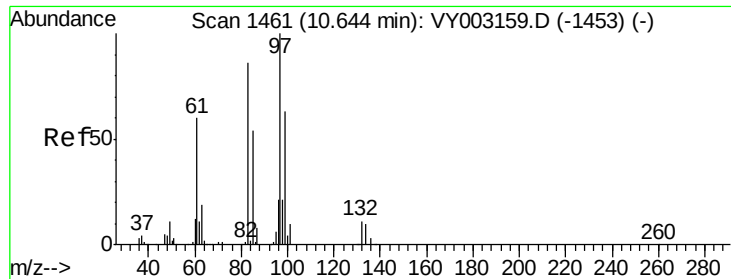
MMDadoda
7/13/2020 10:47:40 AM



#54
cis-1,3-Dichloropropene
Concen: 99.909 ug/l
RT: 9.93 min Scan# 1344
Delta R.T. 0.00 min
Lab File: VY003160.D
Acq: 10 Jul 2020 12:39

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.3	26.7	40.1
39	45.1	37.0	55.6





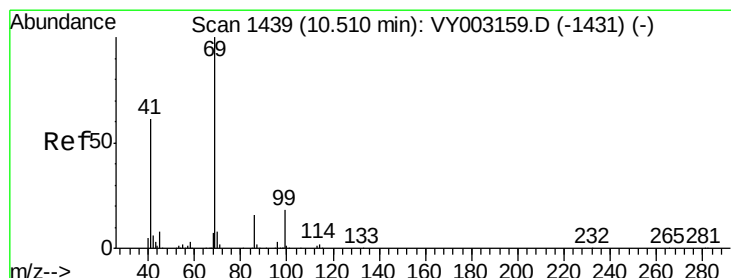
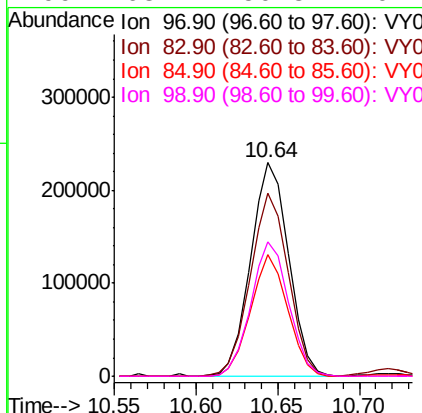
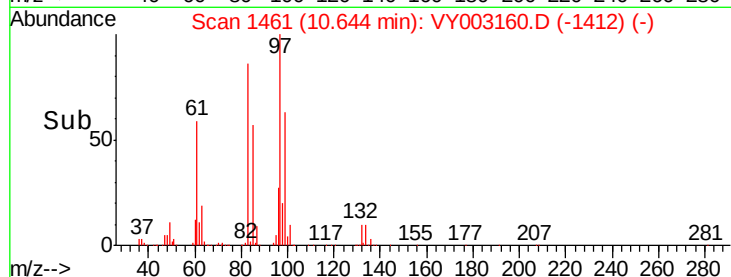
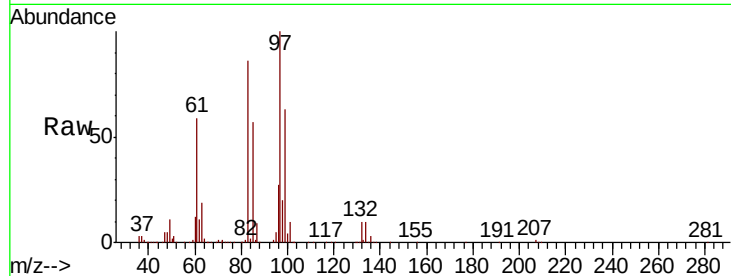
#55
 1,1,2-Trichloroethane
 Concen: 102.426 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. 0.00 min
 Lab File: VY003160.D
 Acq: 10 Jul 2020 12:39

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion:	97	Resp:	374091
Ion Ratio	Lower	Upper	
97	100		
83	85.8	68.8	103.2
85	56.6	43.1	64.7
99	63.1	50.8	76.2

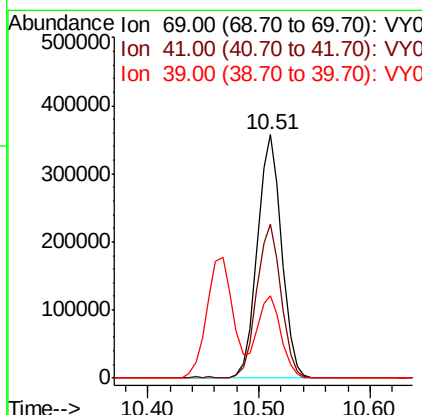
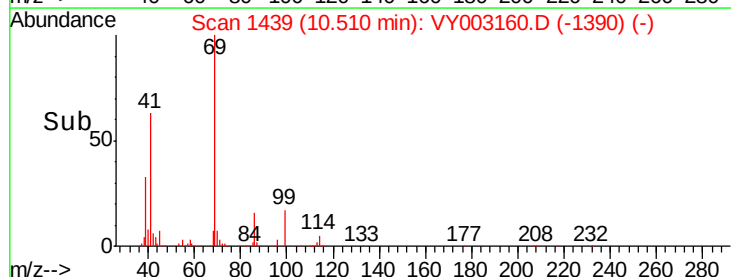
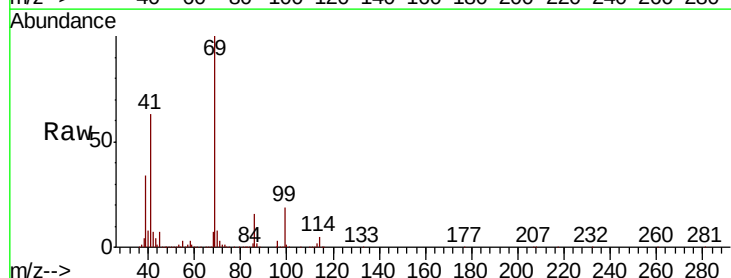
Manual Integrations
 APPROVED

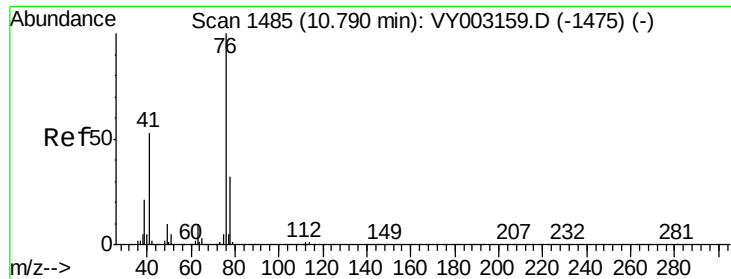
MMDadoda
 7/13/2020 10:47:40 AM



#56
 Ethyl methacrylate
 Concen: 103.012 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. 0.00 min
 Lab File: VY003160.D
 Acq: 10 Jul 2020 12:39

Tgt Ion:	69	Resp:	541522
Ion Ratio	Lower	Upper	
69	100		
41	63.5	50.0	75.0
39	34.1	27.6	41.4





#57

1,3-Dichloropropane

Concen: 99.711 ug/l

RT: 10.79 min Scan# 1485

Delta R.T. 0.00 min

Lab File: VY003160.D

Acq: 10 Jul 2020 12:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 639786

Ion Ratio Lower Upper

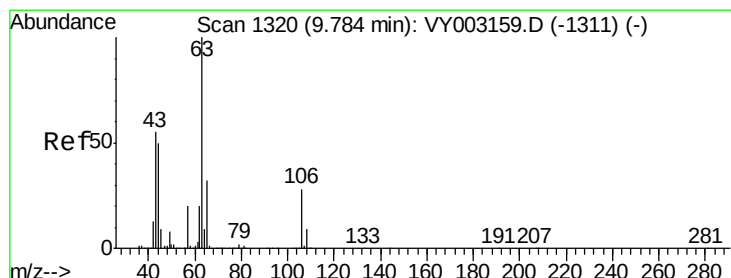
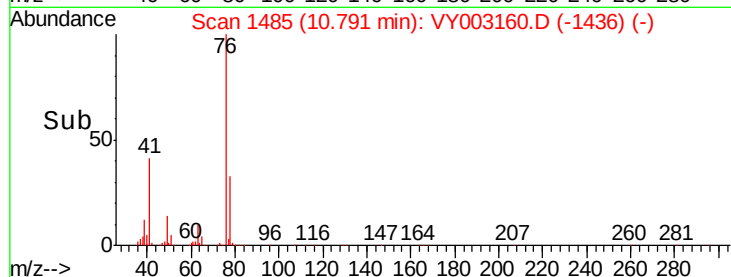
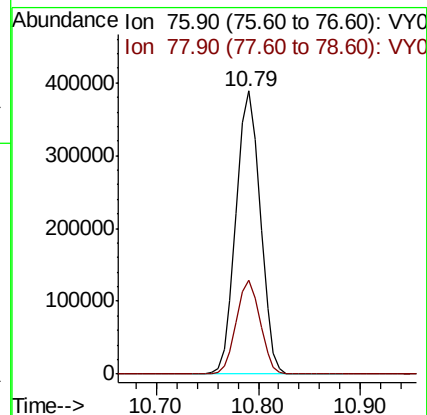
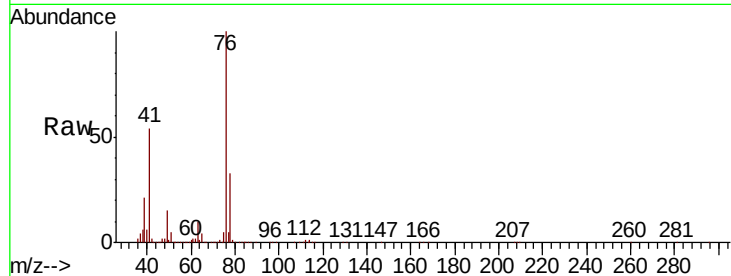
76 100

78 32.6 26.0 39.0

Manual Integrations
APPROVED

MMDadoda

7/13/2020 10:47:40 AM



#58

2-Chloroethyl Vinyl ether

Concen: 491.904 ug/l

RT: 9.78 min Scan# 1320

Delta R.T. 0.00 min

Lab File: VY003160.D

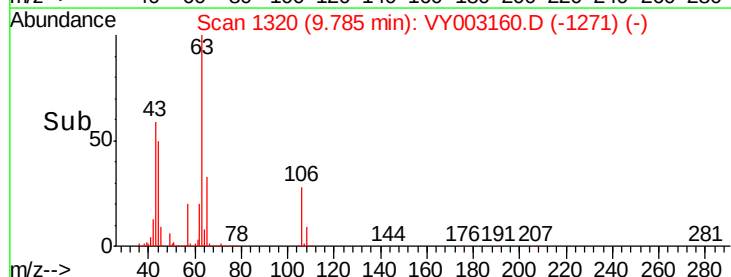
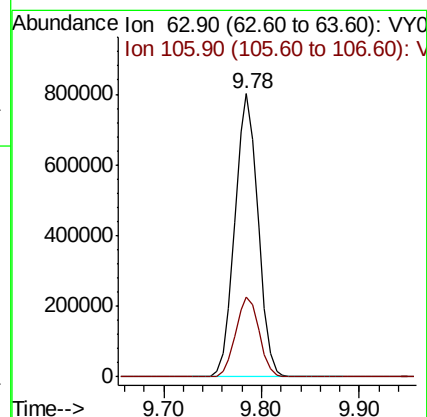
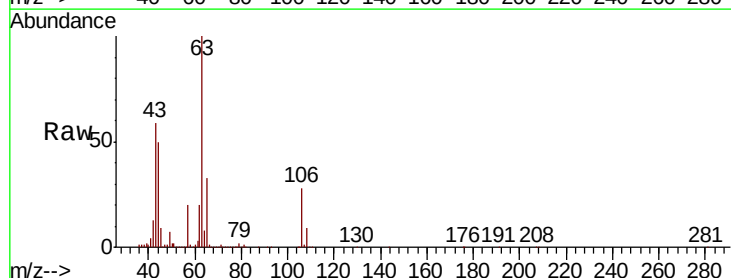
Acq: 10 Jul 2020 12:39

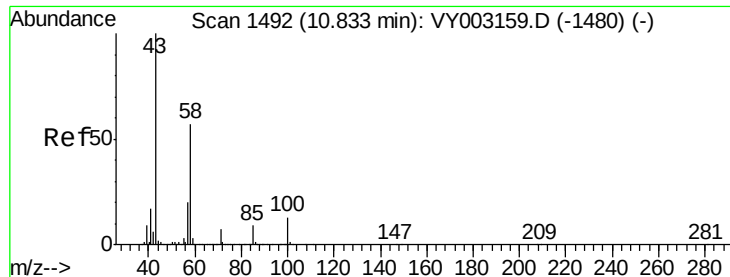
Tgt Ion: 63 Resp: 1310986

Ion Ratio Lower Upper

63 100

106 28.6 22.9 34.3





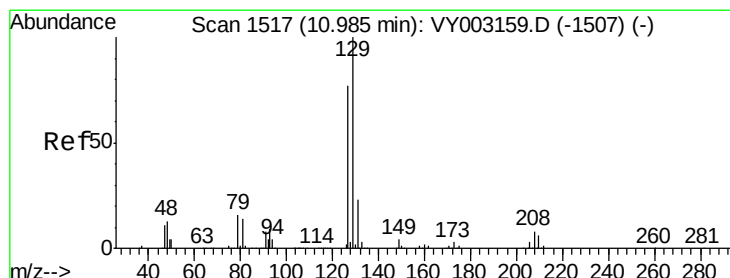
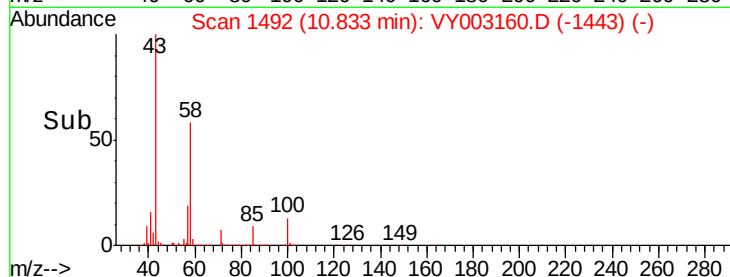
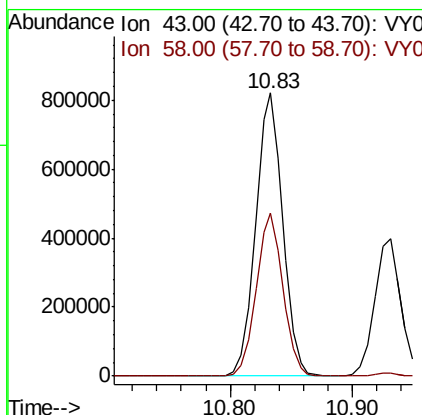
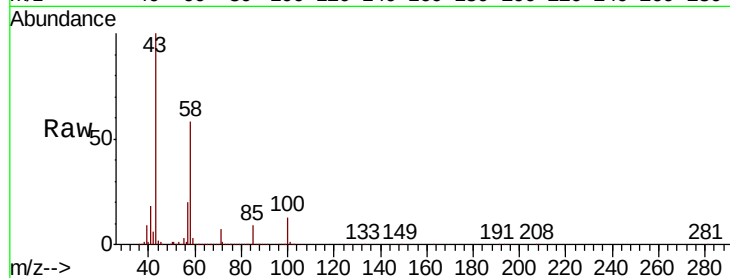
#59
2-Hexanone
Concen: 486.858 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VY003160.D
Acq: 10 Jul 2020 12:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 1261947
Ion Ratio Lower Upper
43 100
58 56.7 28.3 85.0

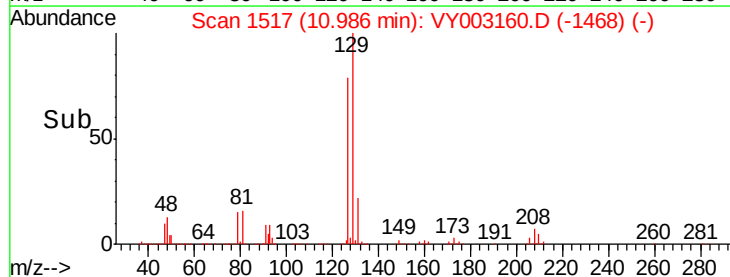
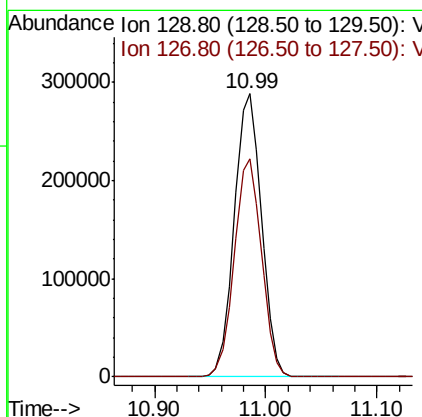
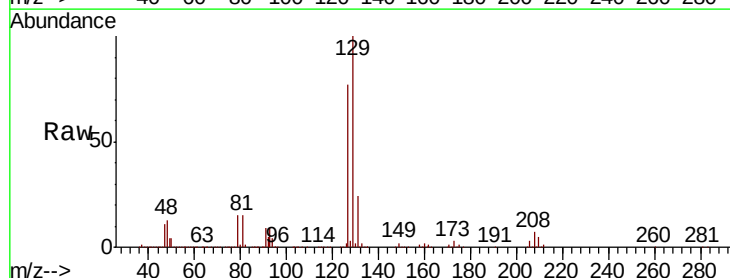
Manual Integrations
APPROVED

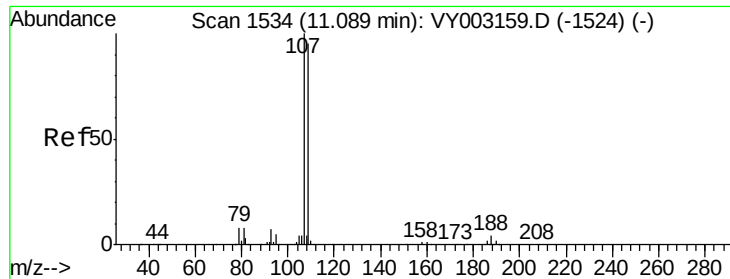
MMDadoda
7/13/2020 10:47:40 AM



#60
Dibromochloromethane
Concen: 104.047 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VY003160.D
Acq: 10 Jul 2020 12:39

Tgt Ion: 129 Resp: 487510
Ion Ratio Lower Upper
129 100
127 77.0 38.5 115.5





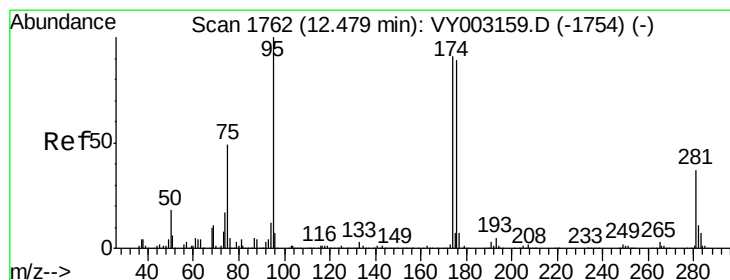
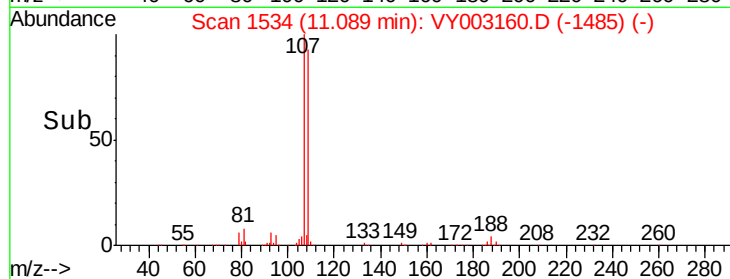
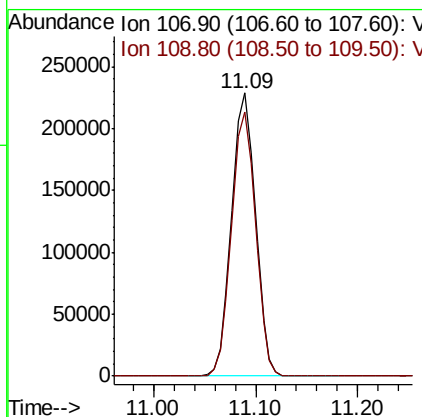
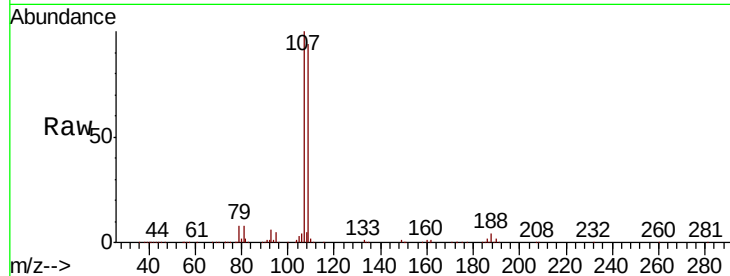
#61
 1,2-Dibromoethane
 Concen: 102.736 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VY003160.D
 Acq: 10 Jul 2020 12:39

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
107	100	371359		
109	94.0	75.6	113.4	

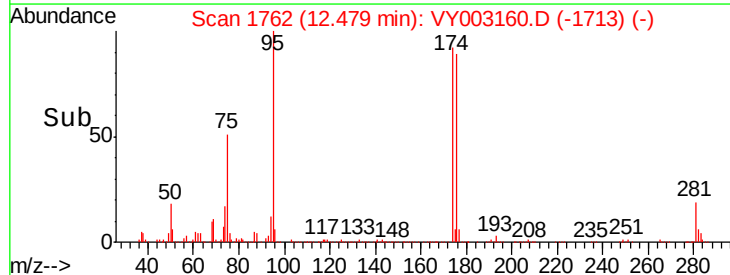
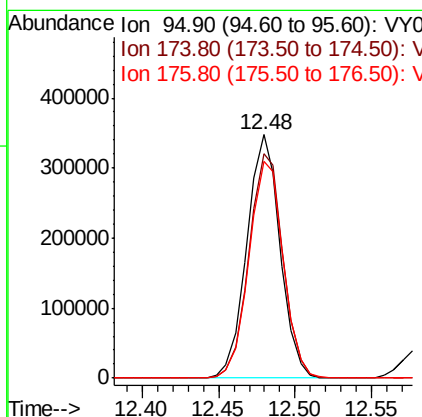
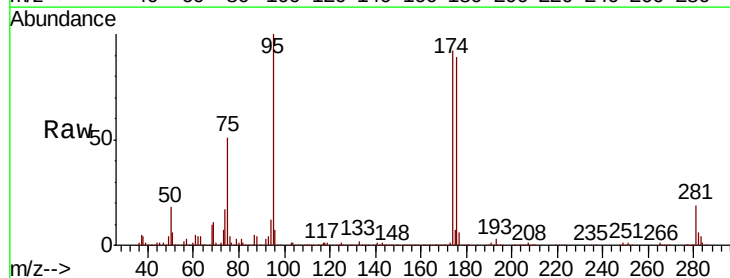
Manual Integrations
 APPROVED

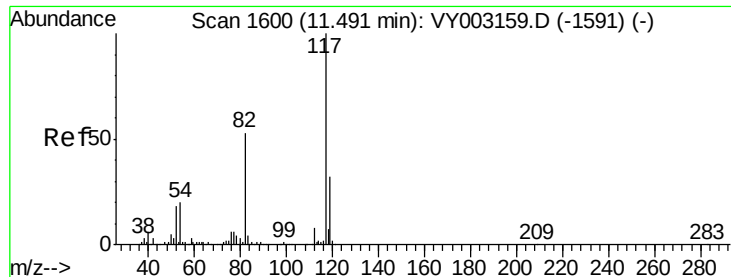
MMDadoda
 7/13/2020 10:47:40 AM



#62
 4-Bromofluorobenzene
 Concen: 97.684 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: VY003160.D
 Acq: 10 Jul 2020 12:39

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	524516		
174	94.5	0.0	190.6	
176	91.7	0.0	186.4	





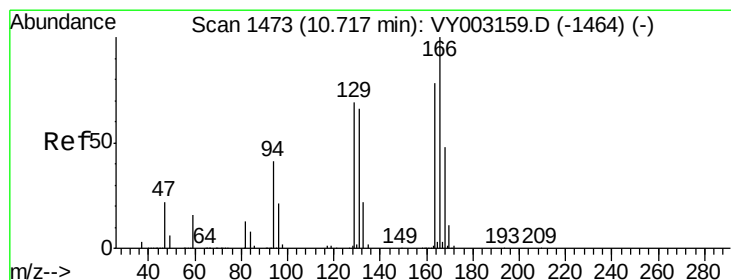
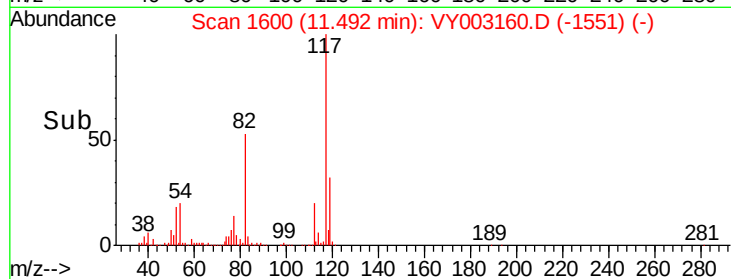
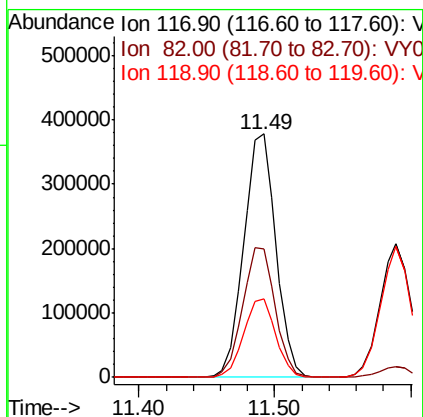
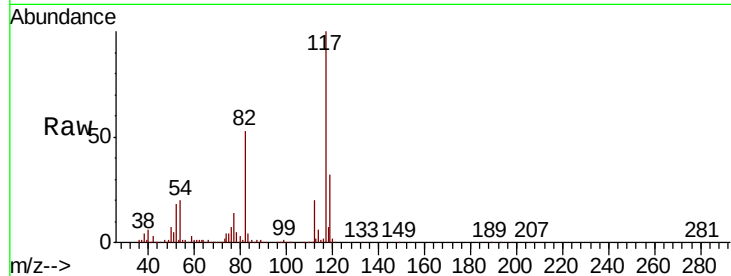
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY003160.D
Acq: 10 Jul 2020 12:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.8	42.0	63.0
119	32.2	25.5	38.3

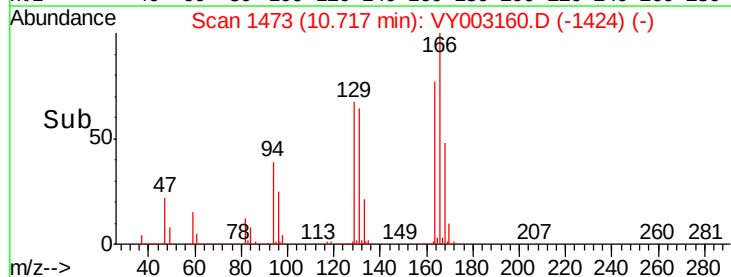
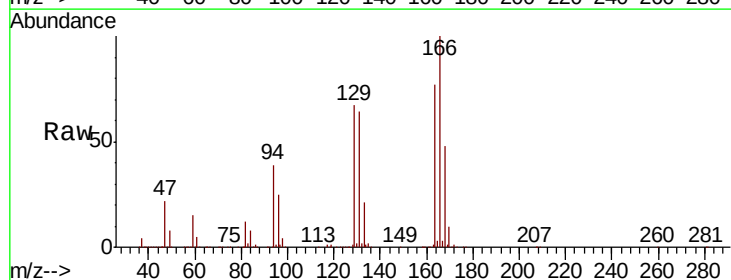
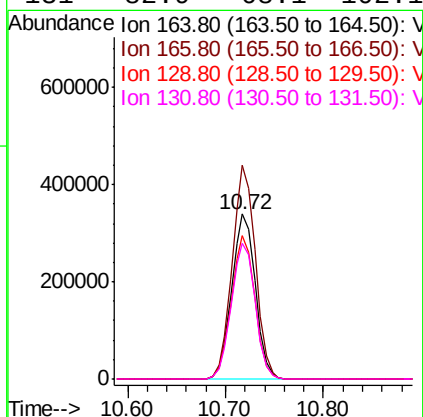
Manual Integrations
APPROVED

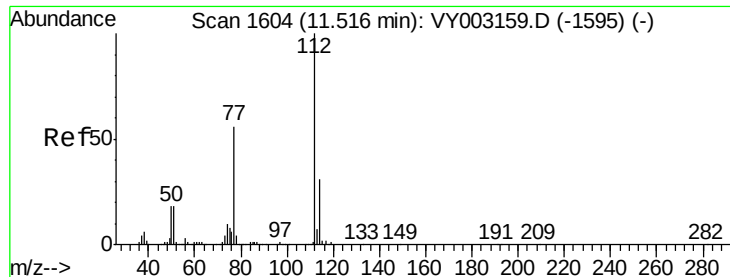
MMDadoda
7/13/2020 10:47:40 AM



#64
Tetrachloroethene
Concen: 107.768 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VY003160.D
Acq: 10 Jul 2020 12:39

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.8	102.9	154.3
129	87.4	71.4	107.2
131	82.9	68.1	102.1





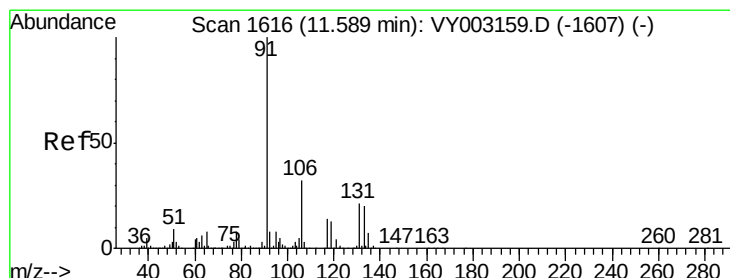
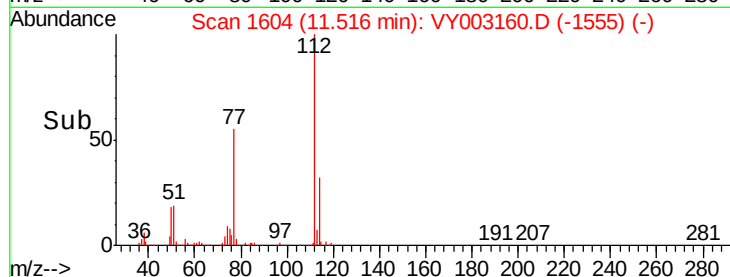
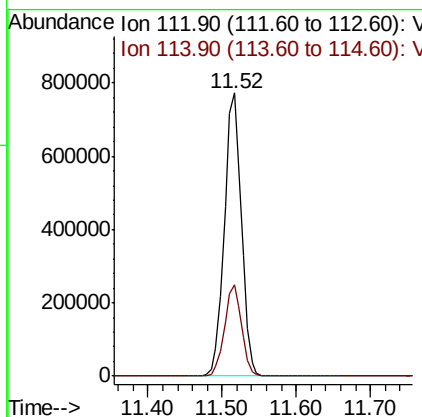
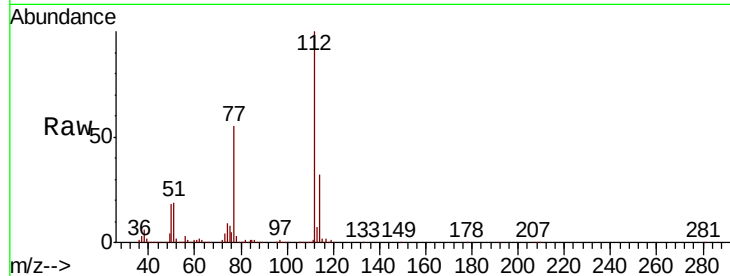
#65
Chlorobenzene
Concen: 101.441 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VY003160.D
Acq: 10 Jul 2020 12:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion:112 Resp: 1232455
Ion Ratio Lower Upper
112 100
114 32.3 24.7 37.1

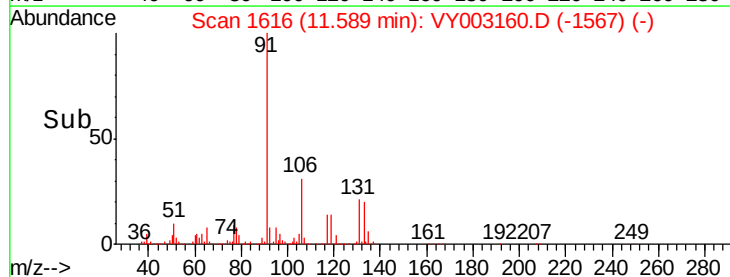
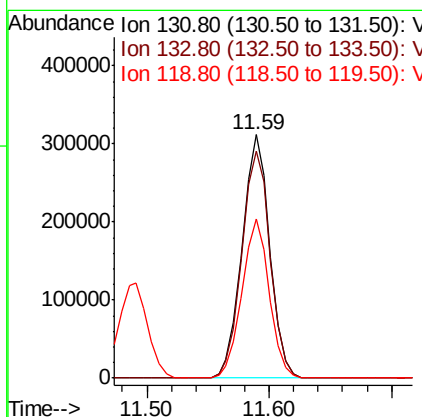
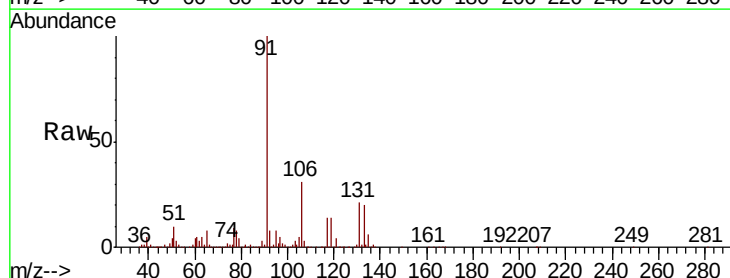
Manual Integrations
APPROVED

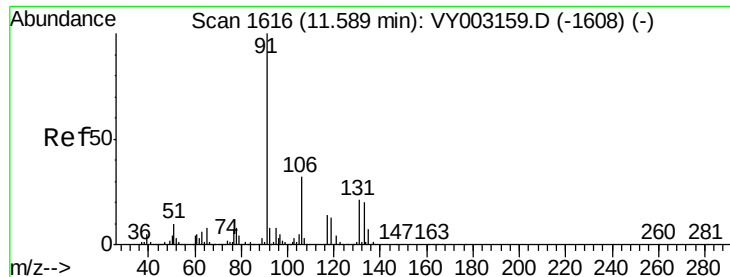
MMDadoda
7/13/2020 10:47:40 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 102.864 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VY003160.D
Acq: 10 Jul 2020 12:39

Tgt Ion:131 Resp: 486333
Ion Ratio Lower Upper
131 100
133 95.9 48.0 144.0
119 64.7 32.4 97.0





#67

Ethyl Benzene

Concen: 101.847 ug/l

RT: 11.59 min Scan# 1616

Delta R.T. 0.00 min

Lab File: VY003160.D

Acq: 10 Jul 2020 12:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 2258672

Ion Ratio Lower Upper

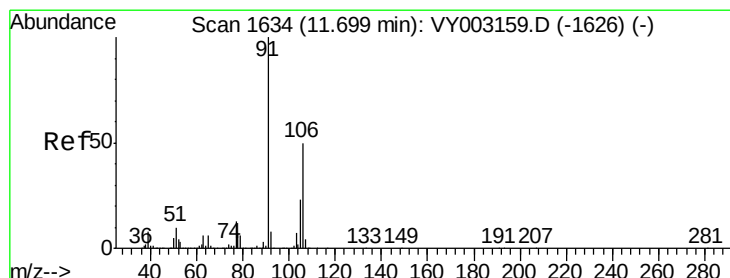
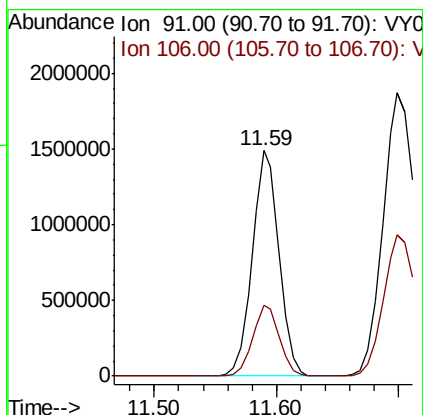
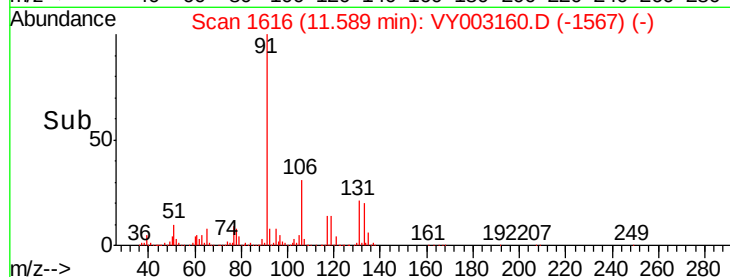
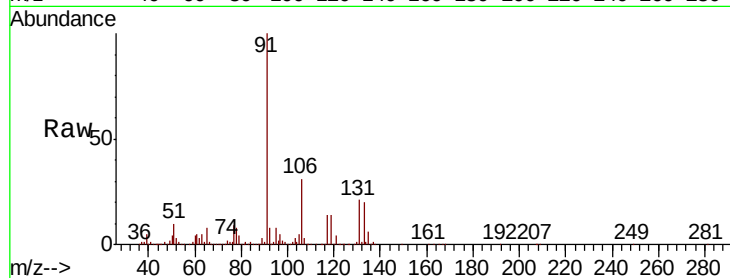
91 100

106 31.5 25.5 38.3

Manual Integrations
APPROVED

MMDadoda

7/13/2020 10:47:40 AM



#68

m/p-Xylenes

Concen: 206.251 ug/l

RT: 11.70 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VY003160.D

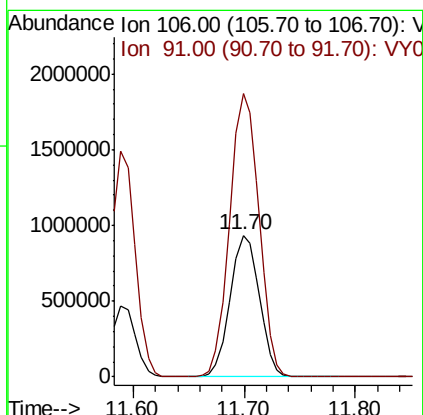
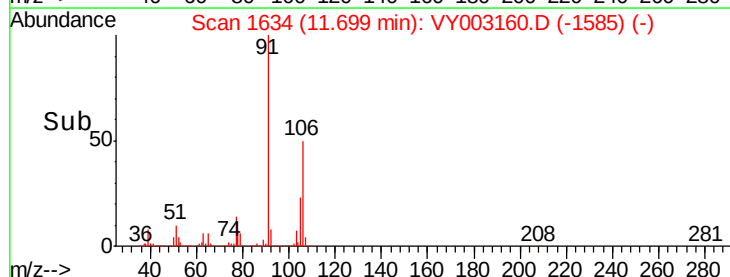
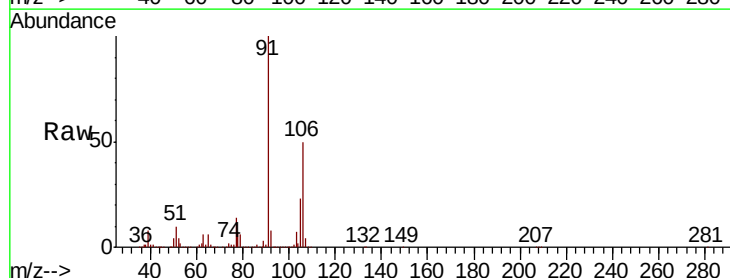
Acq: 10 Jul 2020 12:39

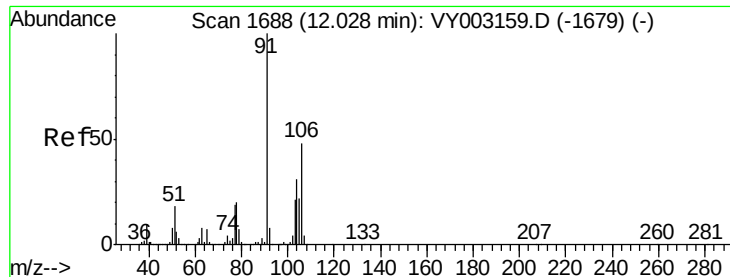
Tgt Ion: 106 Resp: 1701472

Ion Ratio Lower Upper

106 100

91 199.9 159.0 238.6





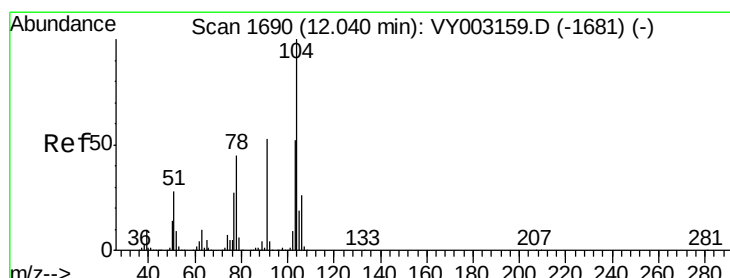
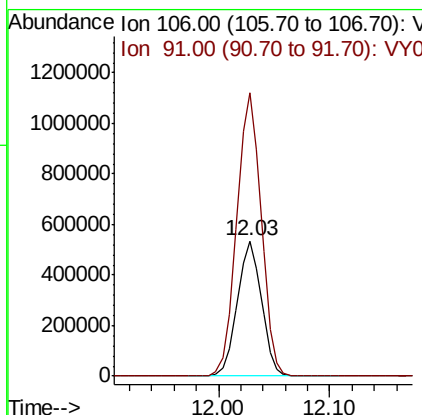
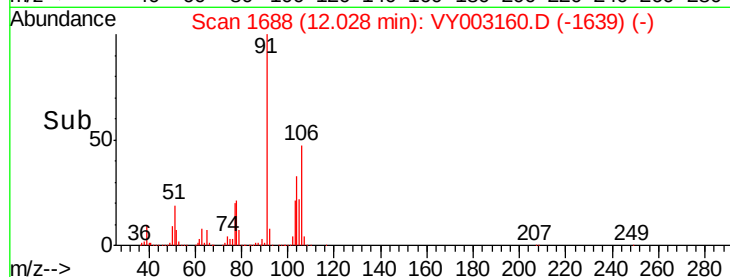
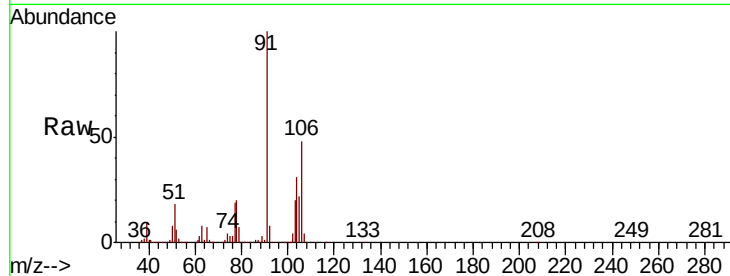
#69
o-Xylene
Concen: 103.277 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VY003160.D
Acq: 10 Jul 2020 12:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion:106 Resp: 803580
Ion Ratio Lower Upper
106 100
91 211.5 105.1 315.1

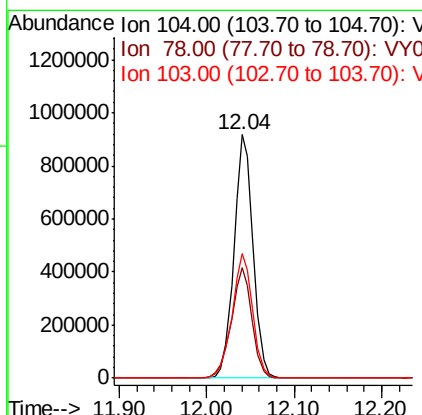
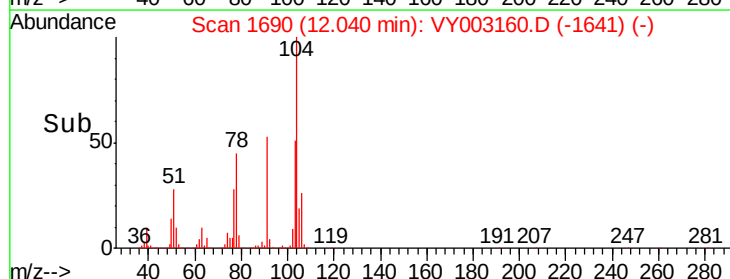
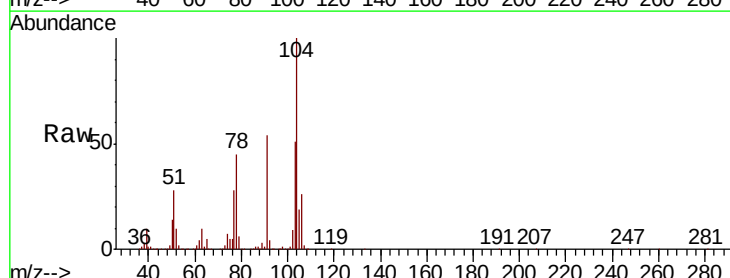
Manual Integrations
APPROVED

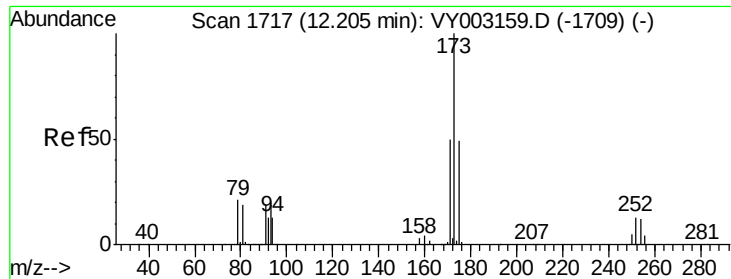
MMDadoda
7/13/2020 10:47:40 AM



#70
Styrene
Concen: 104.875 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VY003160.D
Acq: 10 Jul 2020 12:39

Tgt Ion:104 Resp: 1394539
Ion Ratio Lower Upper
104 100
78 48.9 38.5 57.7
103 54.9 43.9 65.9





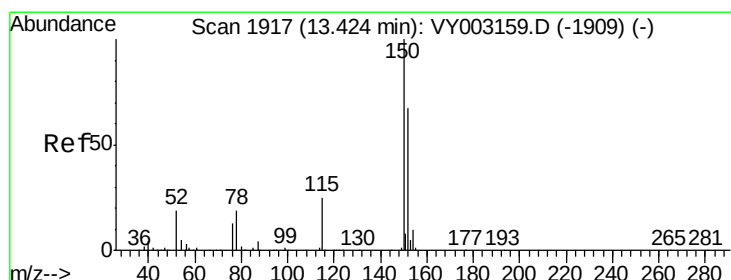
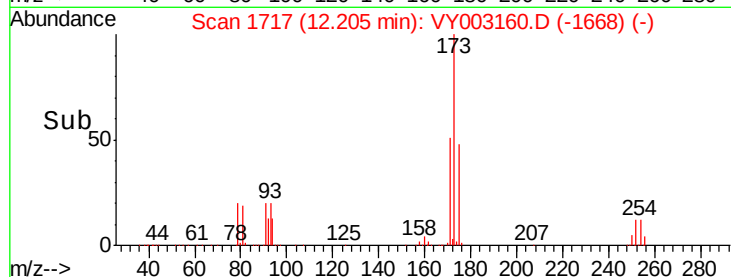
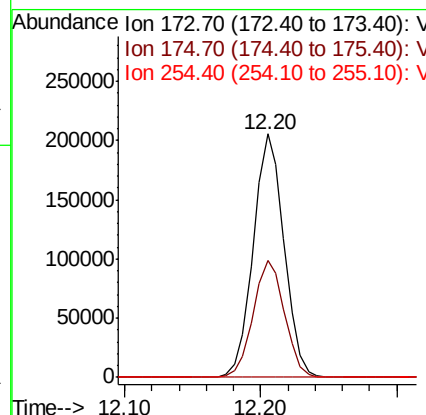
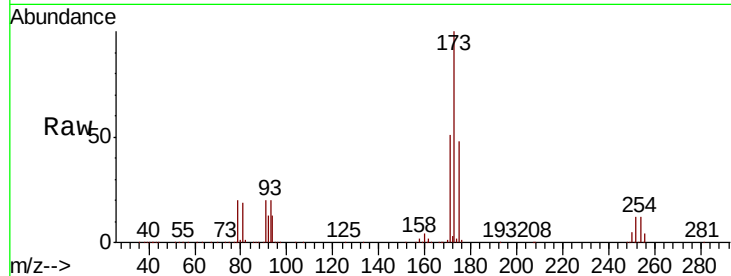
#71
Bromoform
Concen: 103.764 ug/l
RT: 12.20 min Scan# 1717
Delta R.T. 0.00 min
Lab File: VY003160.D
Acq: 10 Jul 2020 12:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.3	73.0
254	0.2	0.2	0.2

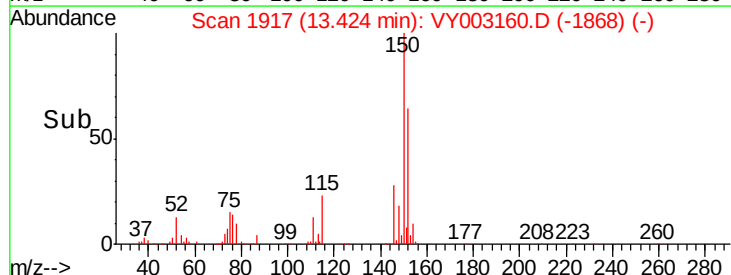
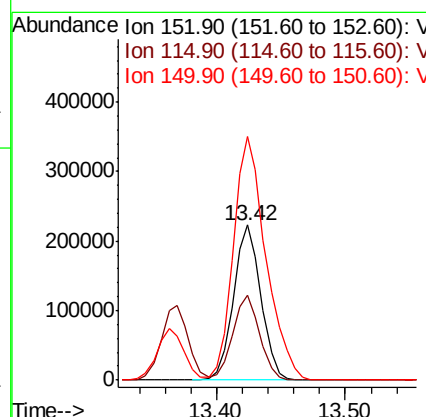
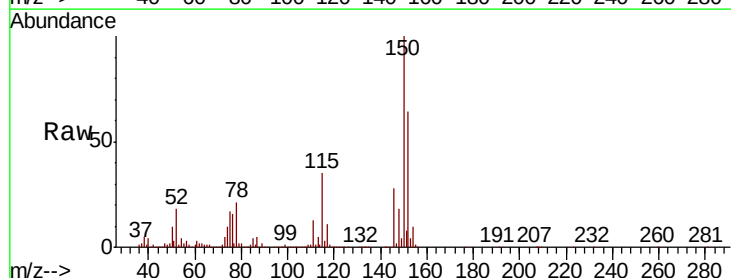
Manual Integrations
APPROVED

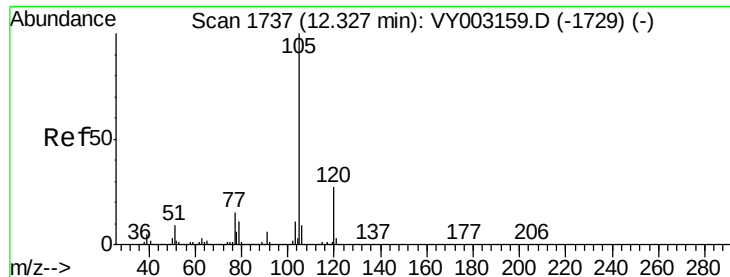
MMDadoda
7/13/2020 10:47:40 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VY003160.D
Acq: 10 Jul 2020 12:39

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.9	26.9	80.7
150	186.7	0.0	338.0





#73

Isopropylbenzene

Concen: 102.329 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VY003160.D

Acq: 10 Jul 2020 12:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 2182120

Ion Ratio Lower Upper

105 100

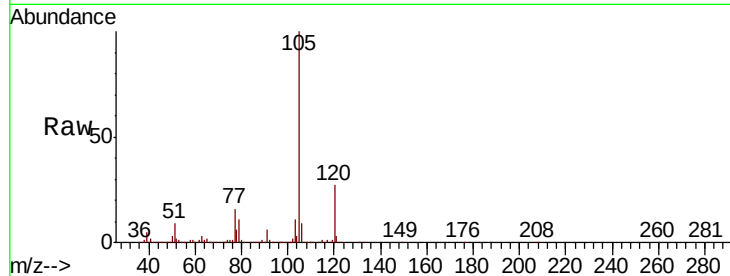
120 26.9 13.4 40.2

Manual Integrations

APPROVED

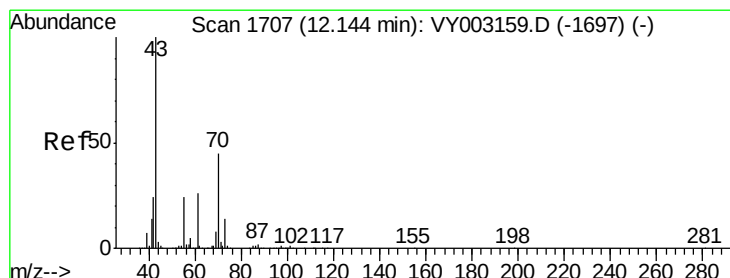
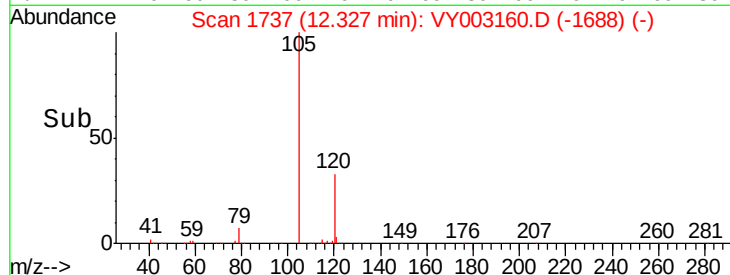
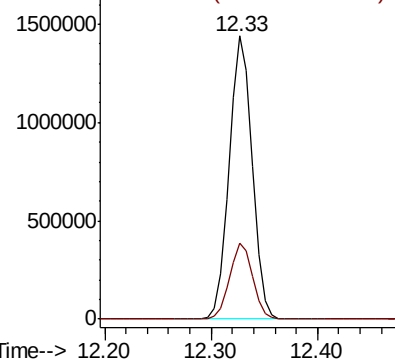
MMDadoda

7/13/2020 10:47:40 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 96.057 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VY003160.D

Acq: 10 Jul 2020 12:39

Tgt Ion: 43 Resp: 651021

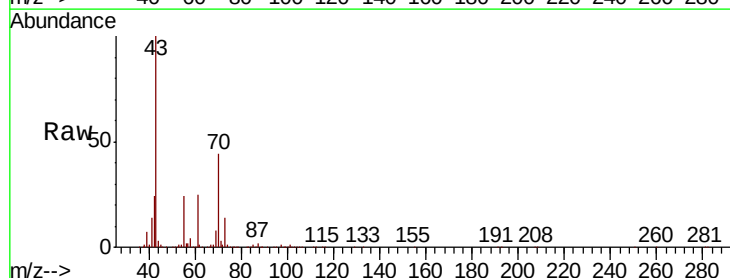
Ion Ratio Lower Upper

43 100

70 44.0 35.6 53.4

55 23.5 19.4 29.2

61 25.3 20.8 31.2

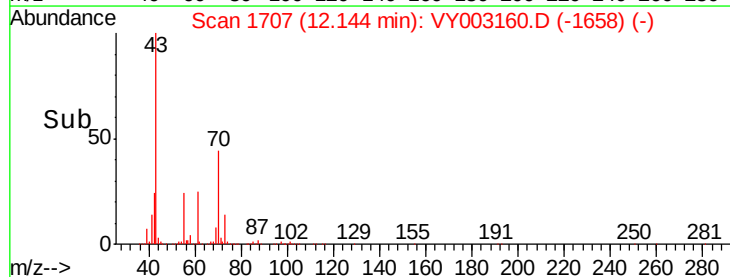
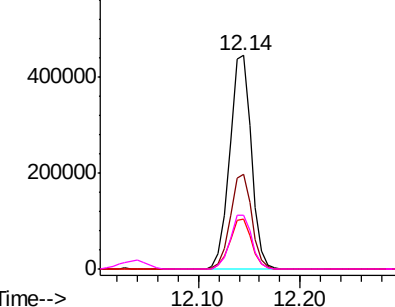


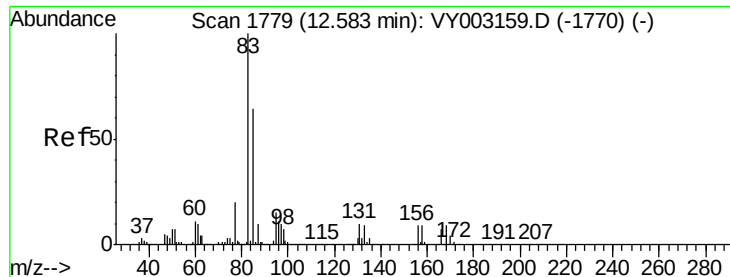
Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0





#75

1,1,2,2-Tetrachloroethane

Concen: 98.880 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VY003160.D

Acq: 10 Jul 2020 12:39

Instrument :

MSVOA_Y

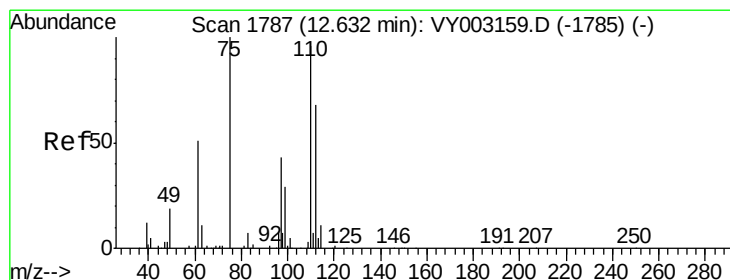
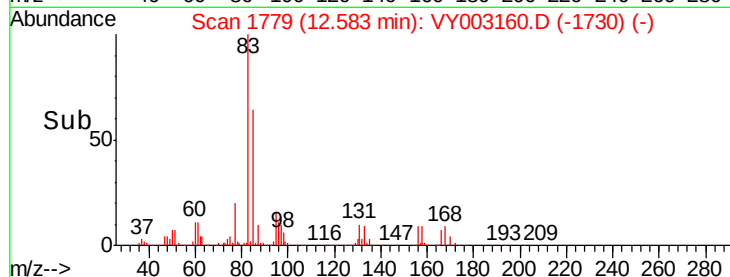
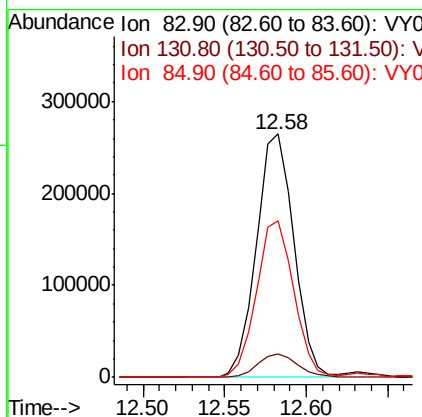
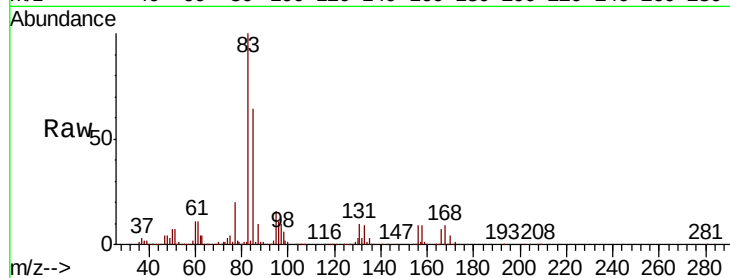
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	422051
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.2	15.6
85	64.2	32.0	96.0

Manual Integrations
APPROVED

MMDadoda
7/13/2020 10:47:40 AM



#76

1,2,3-Trichloropropane

Concen: 93.462 ug/l m

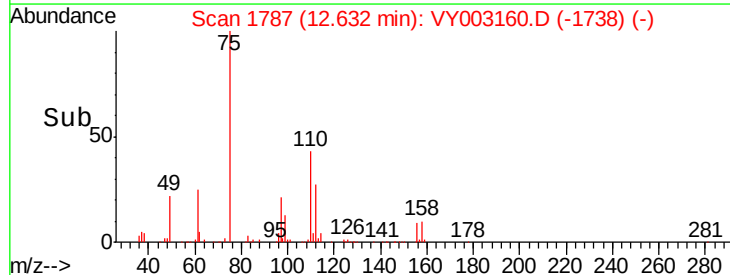
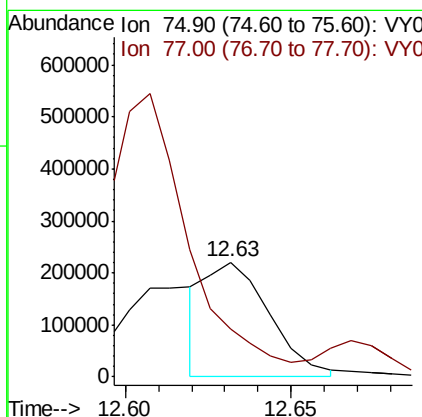
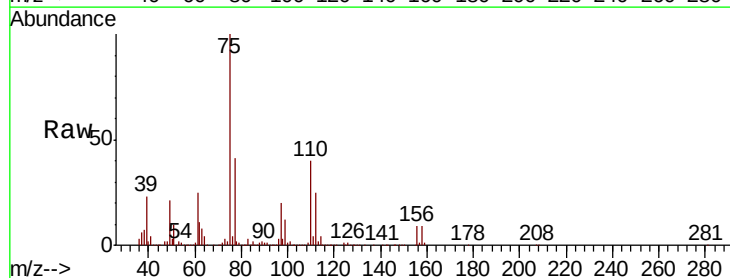
RT: 12.63 min Scan# 1787

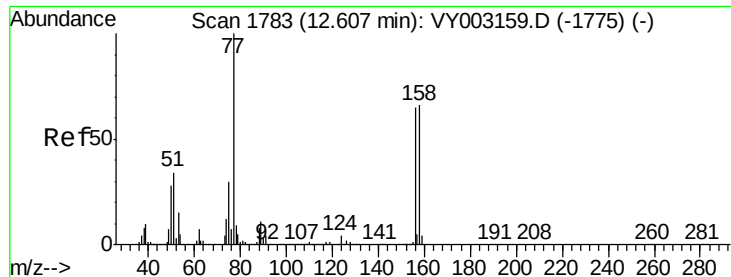
Delta R.T. 0.00 min

Lab File: VY003160.D

Acq: 10 Jul 2020 12:39

Tgt Ion:	75	Resp:	296046
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 101.192 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VY003160.D

Acq: 10 Jul 2020 12:39

Instrument :

MSVOA_Y

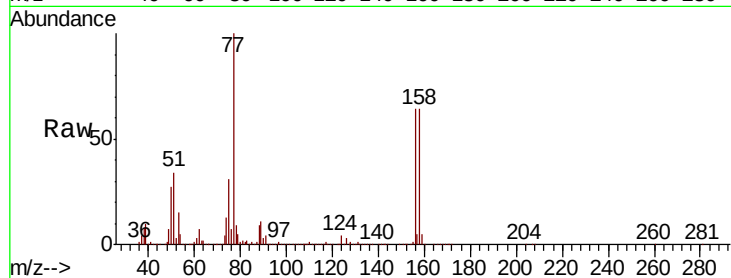
ClientSampleId :

VSTDIC100

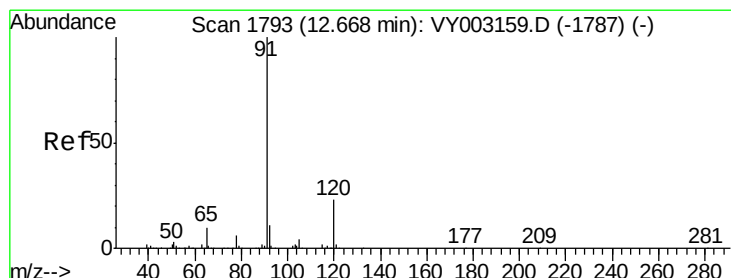
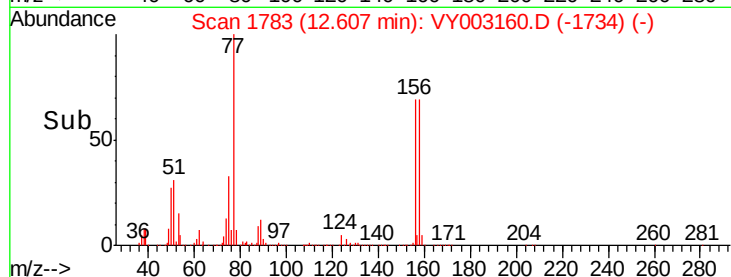
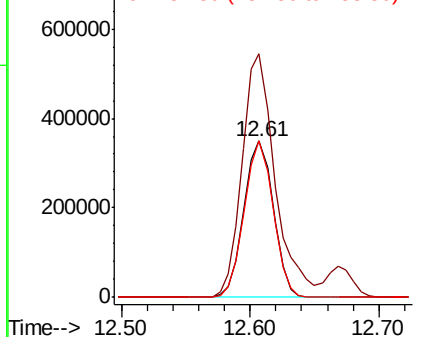
Tot Ion:	156	Resp:	552628
Ion Ratio	Lower	Upper	
156	100		
77	174.1	86.6	259.7
158	97.9	49.4	148.0

Manual Integrations
APPROVED

MMDadoda
7/13/2020 10:47:40 AM



Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VY0
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 100.484 ug/l

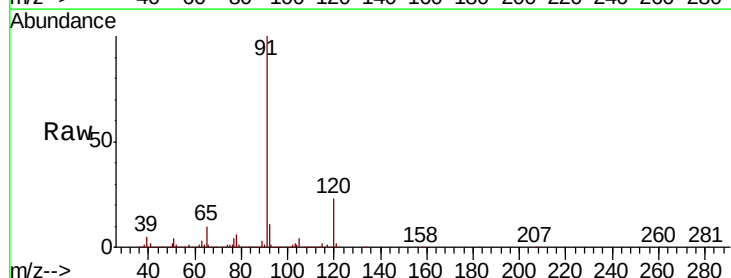
RT: 12.67 min Scan# 1793

Delta R.T. 0.00 min

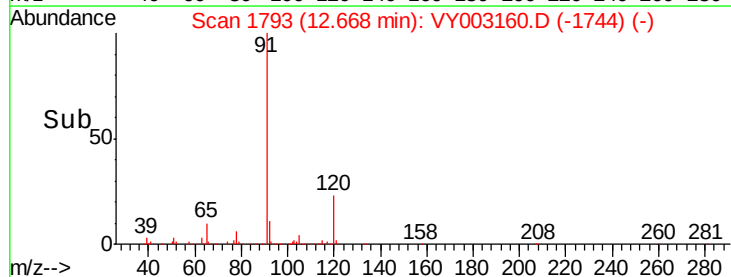
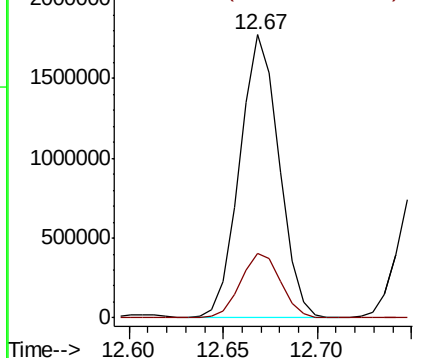
Lab File: VY003160.D

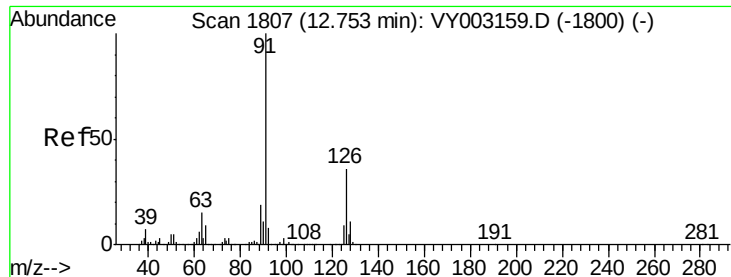
Acq: 10 Jul 2020 12:39

Tgt Ion:	91	Resp:	2570719
Ion Ratio	Lower	Upper	
91	100		
120	23.2	11.7	35.1



Abundance Ion 91.00 (90.70 to 91.70): VY0
Ion 120.00 (119.70 to 120.70): V





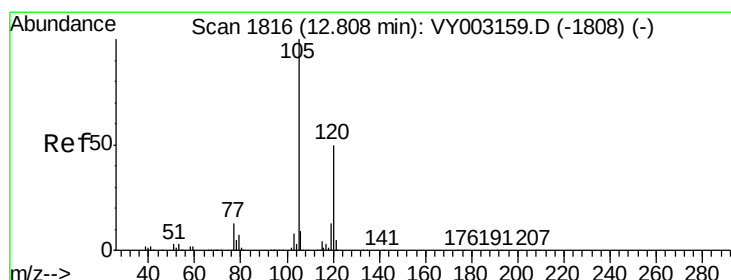
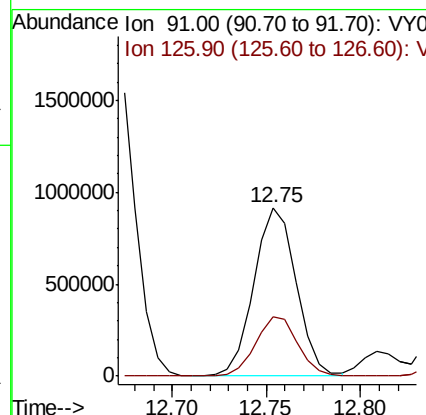
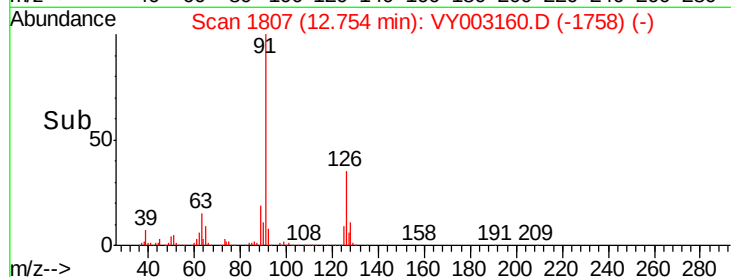
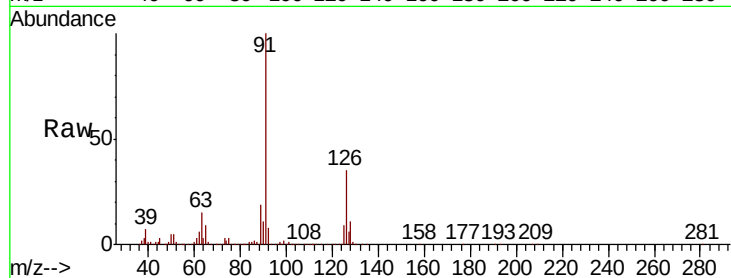
#79
2-Chlorotoluene
Concen: 99.740 ug/l
RT: 12.75 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VY003160.D
Acq: 10 Jul 2020 12:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 1423942
Ion Ratio Lower Upper
91 100
126 35.2 17.6 52.9

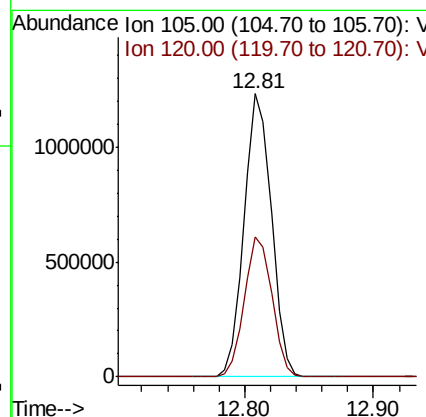
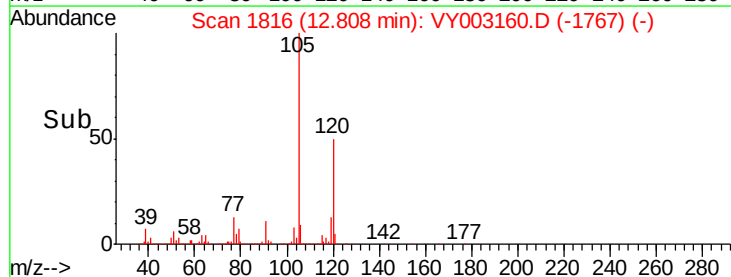
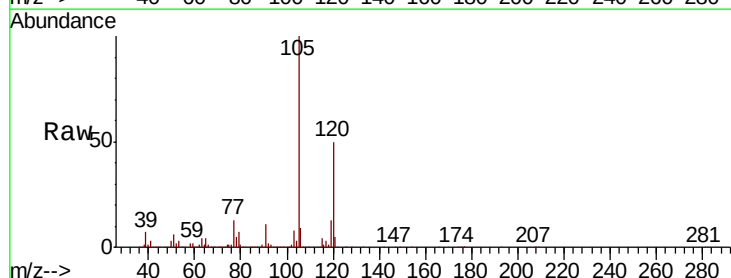
Manual Integrations
APPROVED

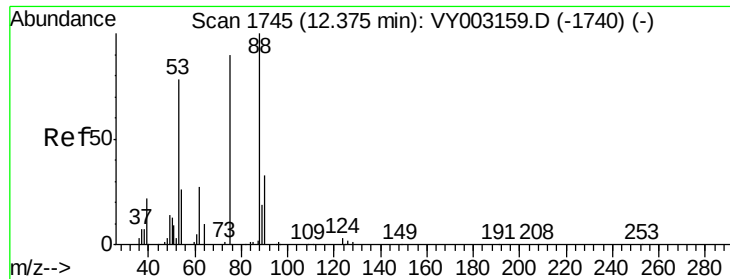
MMDadoda
7/13/2020 10:47:40 AM



#80
1,3,5-Trimethylbenzene
Concen: 101.075 ug/l
RT: 12.81 min Scan# 1816
Delta R.T. 0.00 min
Lab File: VY003160.D
Acq: 10 Jul 2020 12:39

Tgt Ion: 105 Resp: 1806539
Ion Ratio Lower Upper
105 100
120 50.0 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 99.884 ug/l

RT: 12.38 min Scan# 1745

Delta R.T. 0.00 min

Lab File: VY003160.D

Acq: 10 Jul 2020 12:39

Instrument :

MSVOA_Y

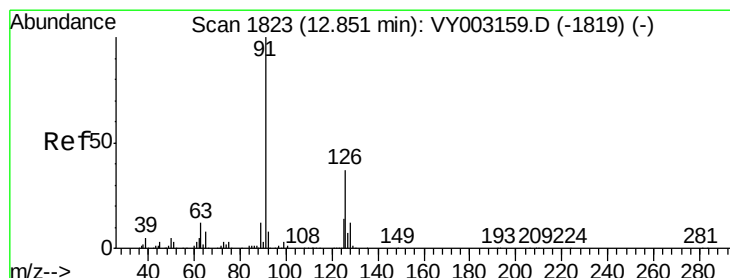
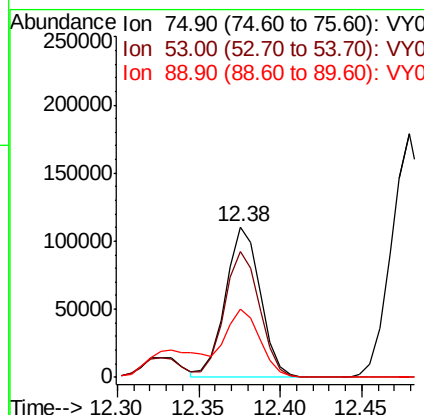
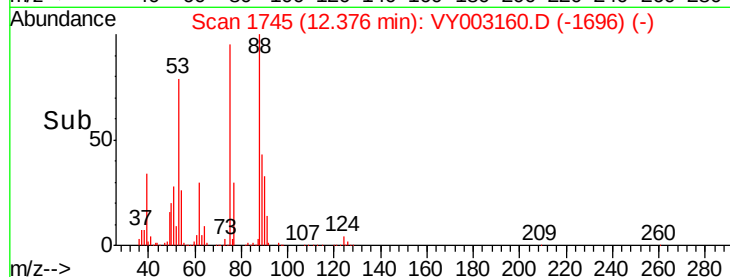
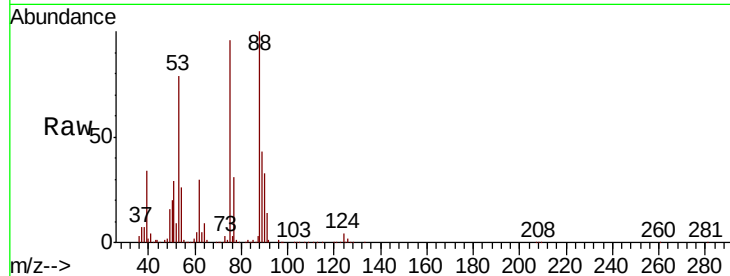
ClientSampleId :

VSTDIC100

Tot Ion:	75	Resp:	162795
Ion	Ratio	Lower	Upper
75	100		
53	85.1	72.0	108.0
89	45.3	37.3	55.9

Manual Integrations
APPROVED

MMDadoda
7/13/2020 10:47:40 AM



#82

4-Chlorotoluene

Concen: 99.468 ug/l

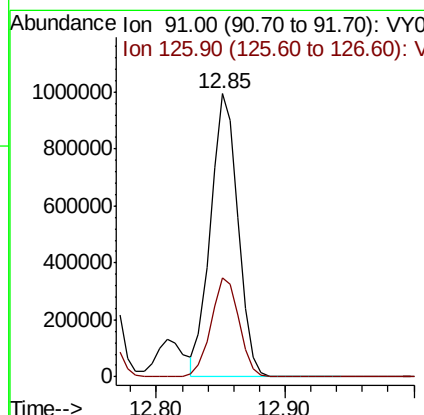
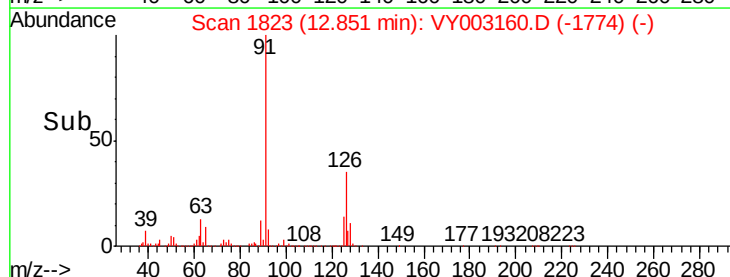
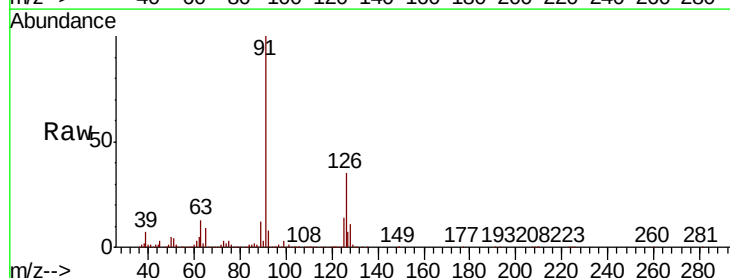
RT: 12.85 min Scan# 1823

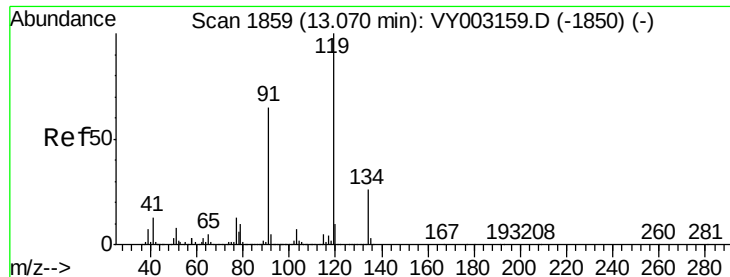
Delta R.T. 0.00 min

Lab File: VY003160.D

Acq: 10 Jul 2020 12:39

Tgt Ion:	91	Resp:	1477673
Ion	Ratio	Lower	Upper
91	100		
126	35.8	17.9	53.7





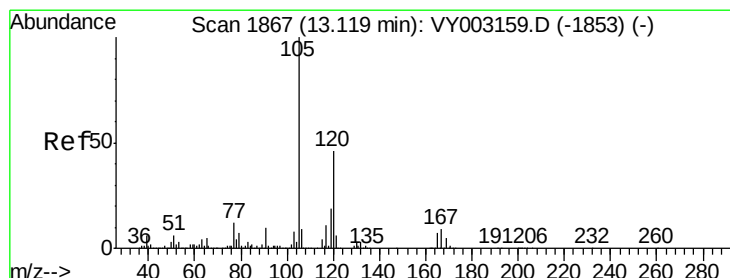
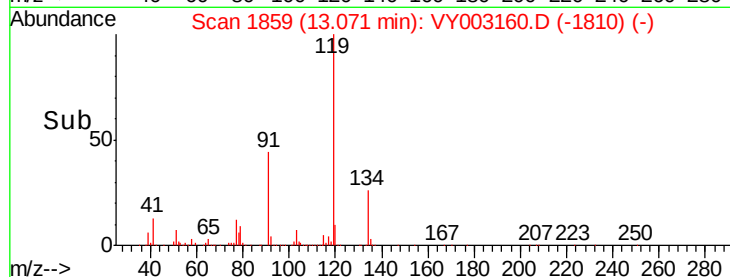
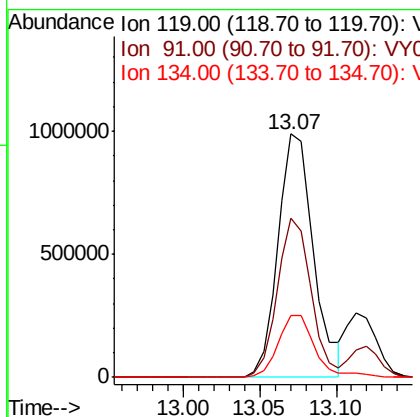
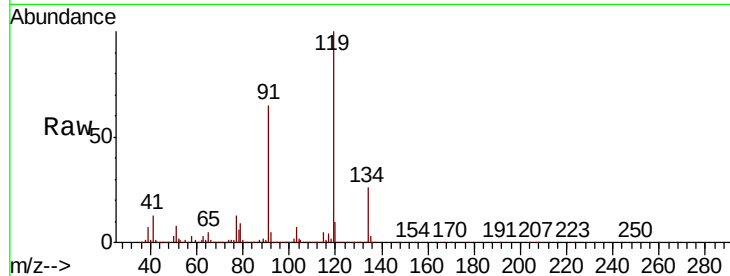
#83
 tert-Butylbenzene
 Concen: 101.626 ug/l
 RT: 13.07 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VY003160.D
 Acq: 10 Jul 2020 12:39

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.1	30.8	92.4
134	26.5	13.2	39.6

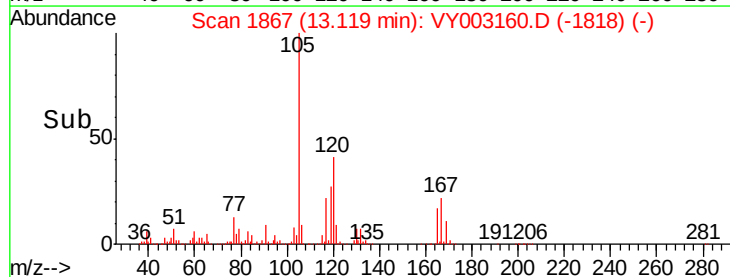
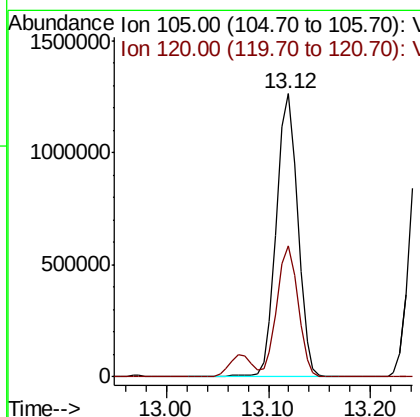
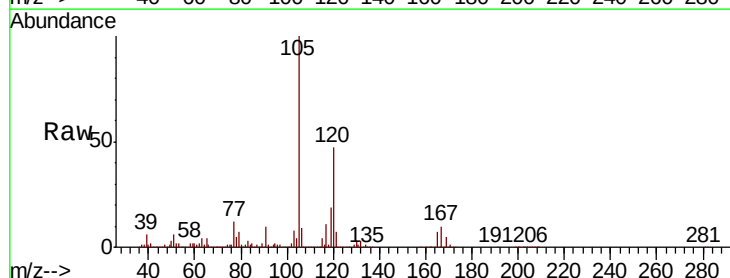
Manual Integrations
 APPROVED

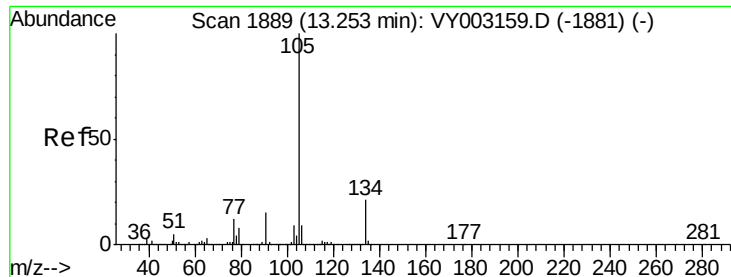
MMDadoda
 7/13/2020 10:47:40 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 101.294 ug/l
 RT: 13.12 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VY003160.D
 Acq: 10 Jul 2020 12:39

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.1	22.5	67.5





#85

sec-Butylbenzene

Concen: 100.463 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. 0.00 min

Lab File: VY003160.D

Acq: 10 Jul 2020 12:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 2172932

Ion Ratio Lower Upper

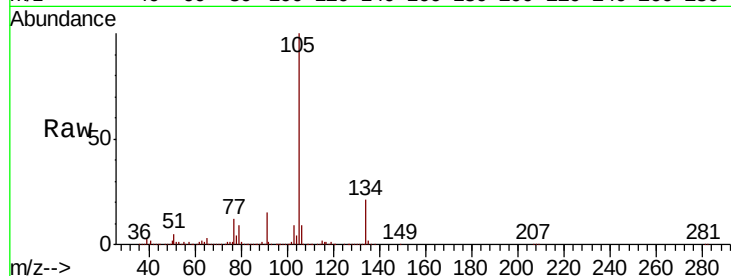
105 100

134 20.9 10.4 31.4

Manual Integrations
APPROVED

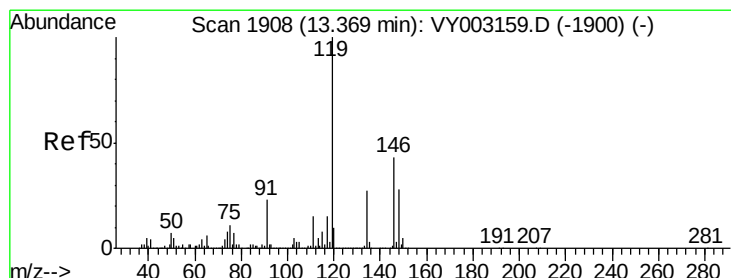
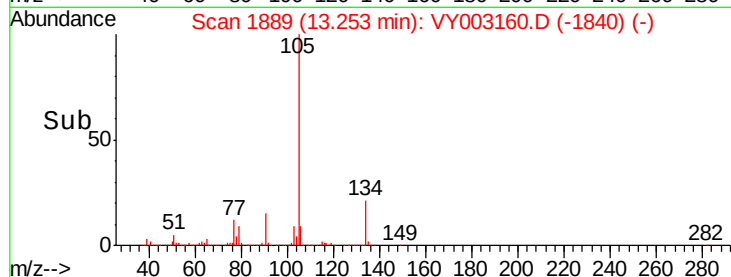
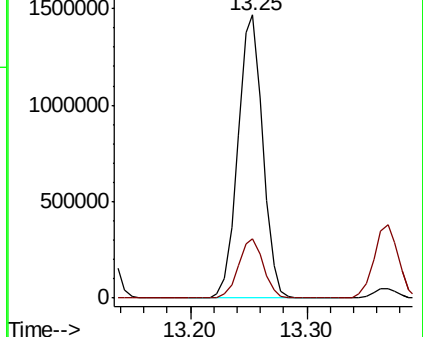
MMDadoda

7/13/2020 10:47:40 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 102.117 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. 0.00 min

Lab File: VY003160.D

Acq: 10 Jul 2020 12:39

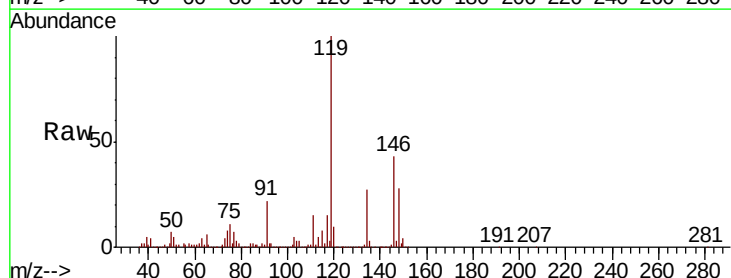
Tgt Ion:119 Resp: 2049194

Ion Ratio Lower Upper

119 100

134 27.0 13.4 40.2

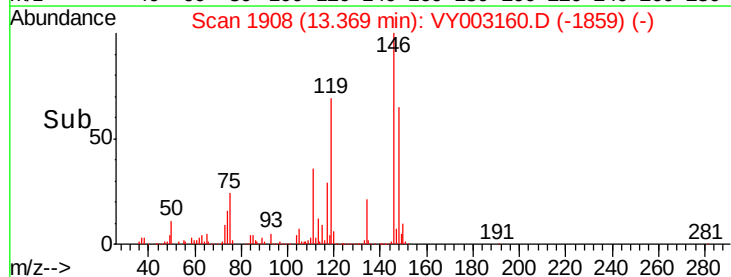
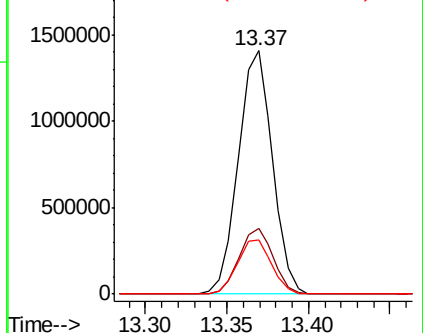
91 22.3 11.2 33.6

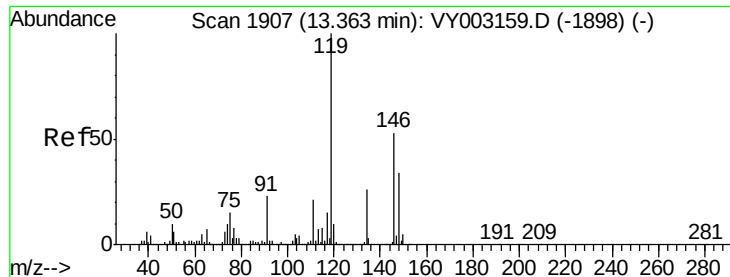


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0





#87

1,3-Dichlorobenzene

Concen: 102.582 ug/l

RT: 13.36 min Scan# 1907

Delta R.T. 0.00 min

Lab File: VY003160.D

Acq: 10 Jul 2020 12:39

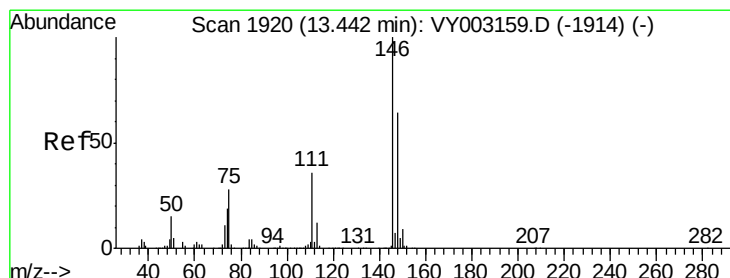
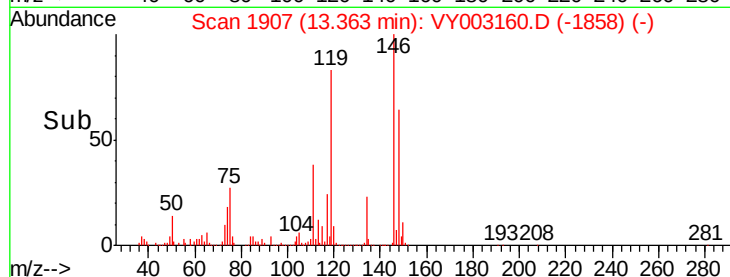
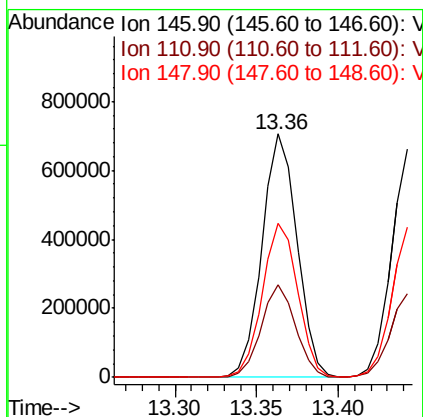
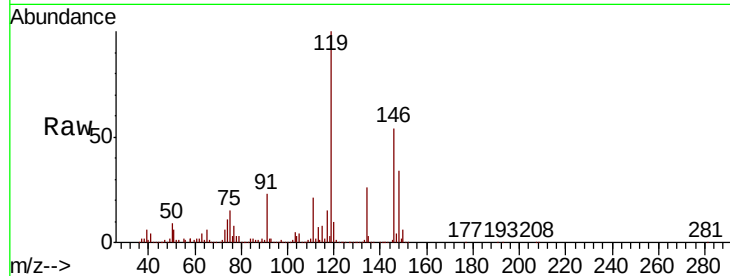
Instrument :
MSVOA_Y

ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.8	56.3
148	64.0	32.3	96.9

Manual Integrations
APPROVED

MMDadoda
7/13/2020 10:47:40 AM



#88

1,4-Dichlorobenzene

Concen: 99.839 ug/l

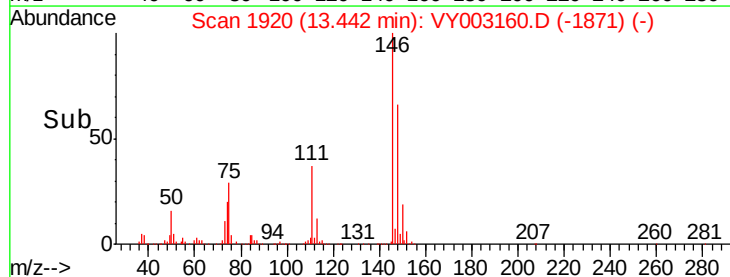
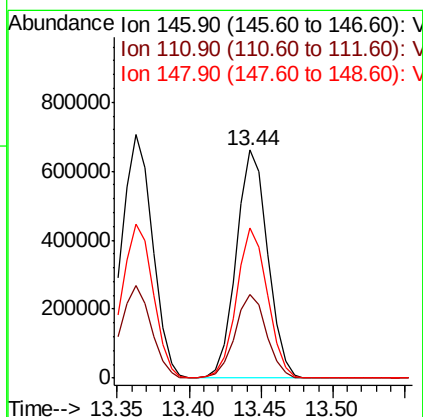
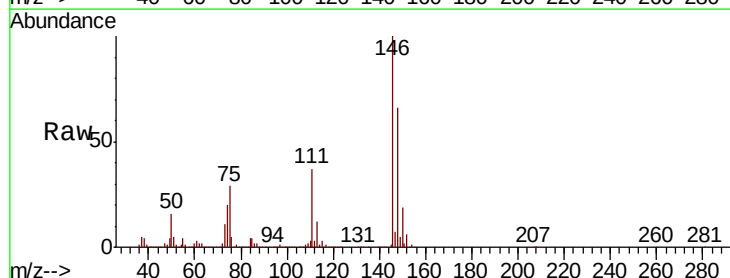
RT: 13.44 min Scan# 1920

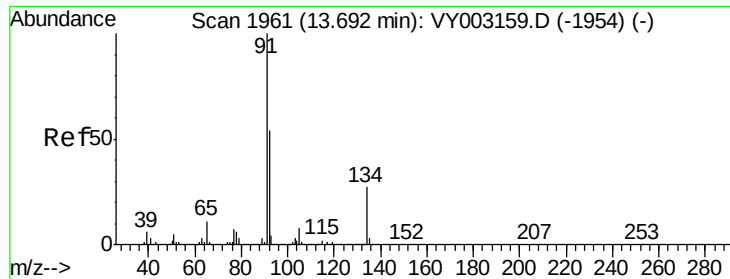
Delta R.T. 0.00 min

Lab File: VY003160.D

Acq: 10 Jul 2020 12:39

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.4	55.0
148	64.7	32.0	96.0





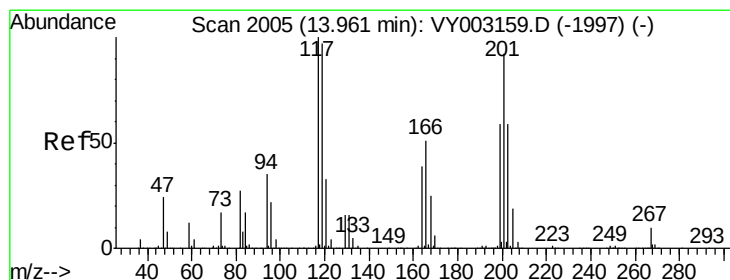
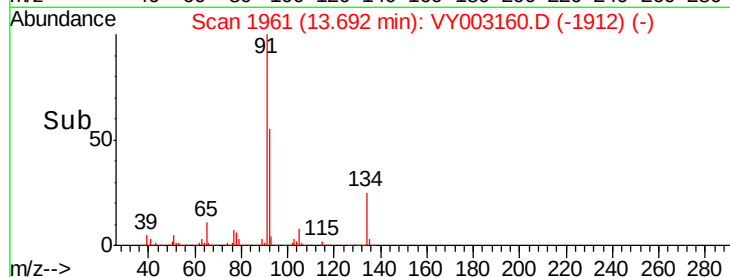
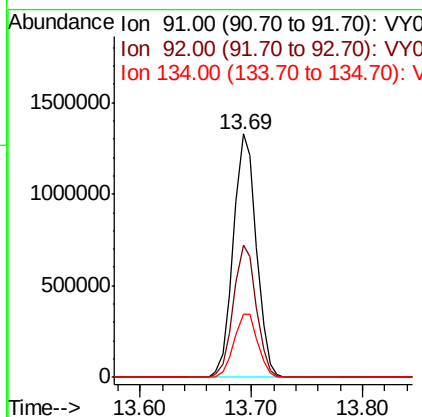
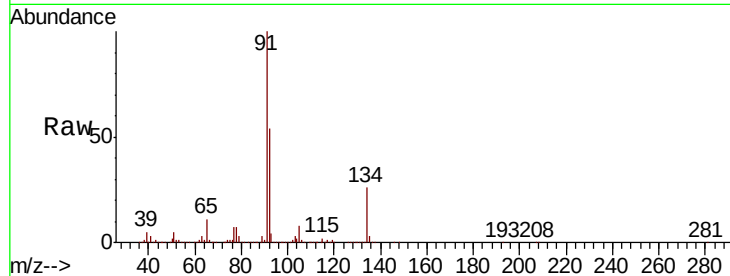
#89
n-Butylbenzene
Concen: 99.182 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. 0.00 min
Lab File: VY003160.D
Acq: 10 Jul 2020 12:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.1	26.9	80.7
134	26.8	13.6	40.7

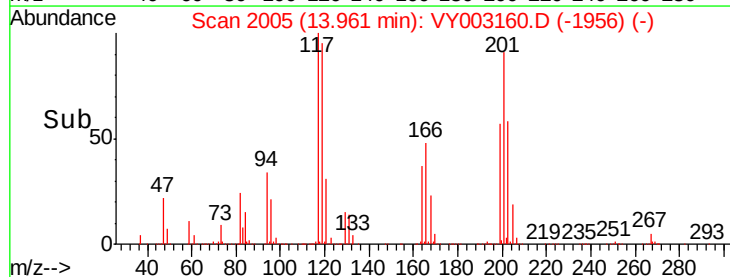
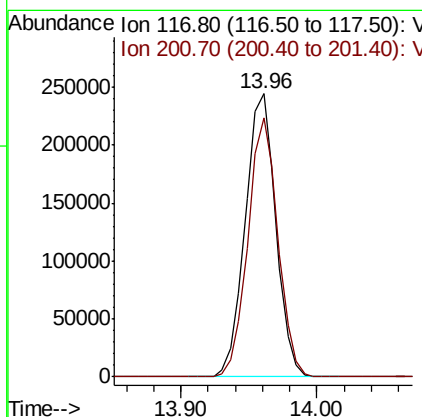
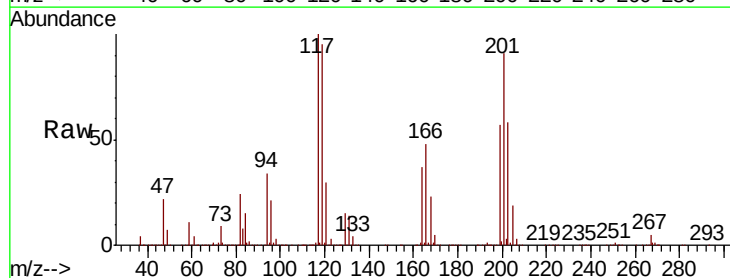
Manual Integrations
APPROVED

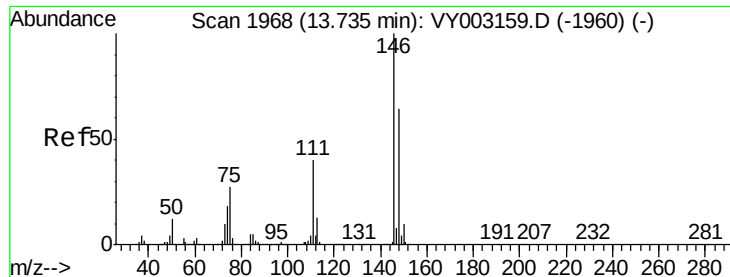
MMDadoda
7/13/2020 10:47:40 AM



#90
Hexachloroethane
Concen: 97.658 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. 0.00 min
Lab File: VY003160.D
Acq: 10 Jul 2020 12:39

Tgt Ion	Ratio	Lower	Upper
117	100		
201	89.5	45.1	135.3





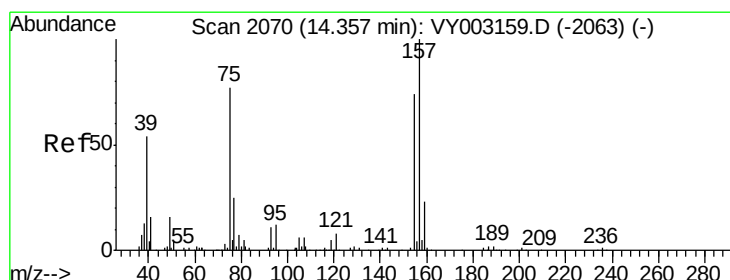
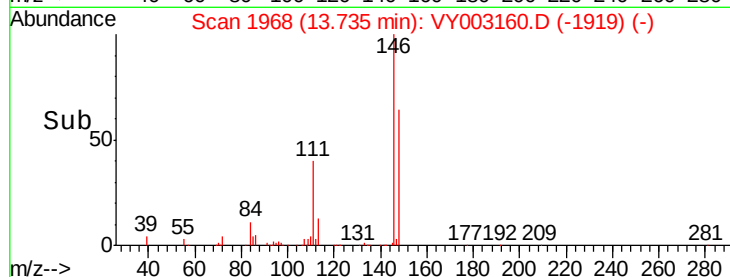
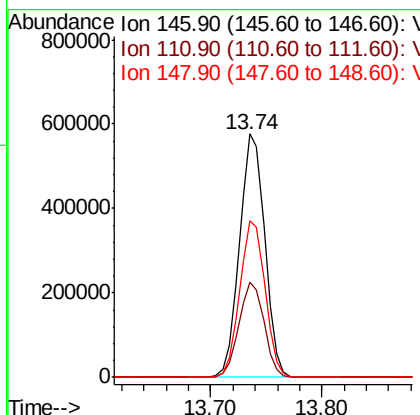
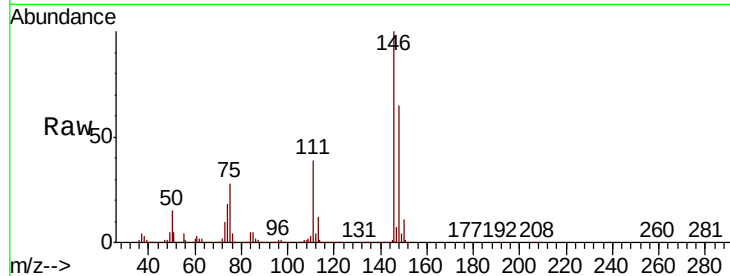
#91
 1,2-Dichlorobenzene
 Concen: 99.349 ug/l
 RT: 13.74 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VY003160.D
 Acq: 10 Jul 2020 12:39

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.6	58.8
148	64.5	32.4	97.0

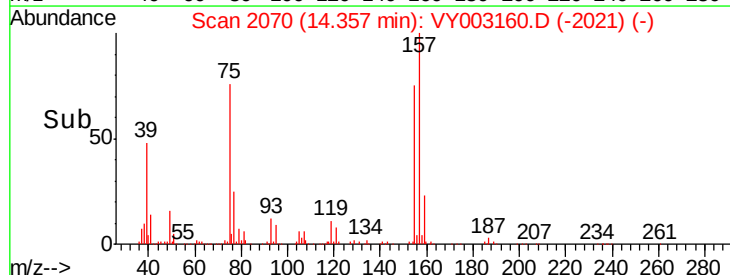
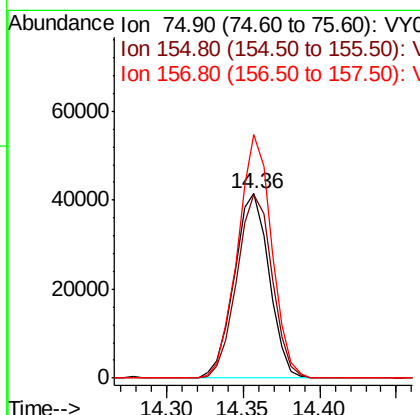
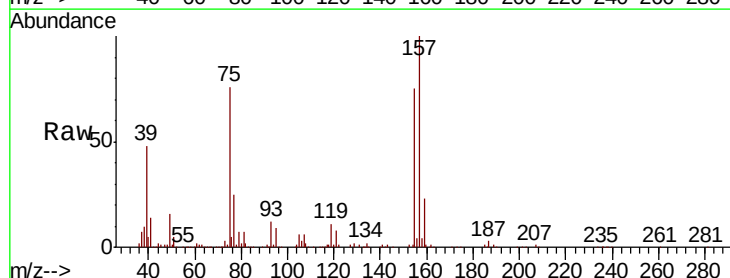
Manual Integrations
 APPROVED

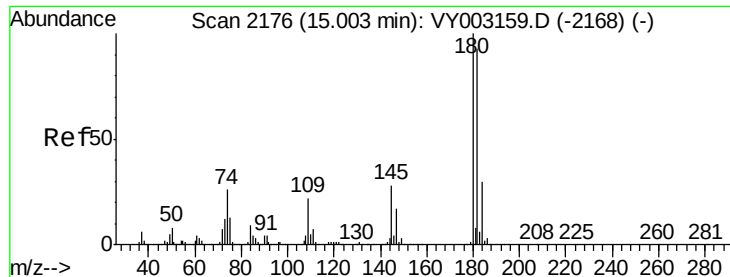
MMDadoda
 7/13/2020 10:47:40 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 88.657 ug/l
 RT: 14.36 min Scan# 2070
 Delta R.T. 0.00 min
 Lab File: VY003160.D
 Acq: 10 Jul 2020 12:39

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.7	48.1	144.3
157	128.6	61.9	185.6





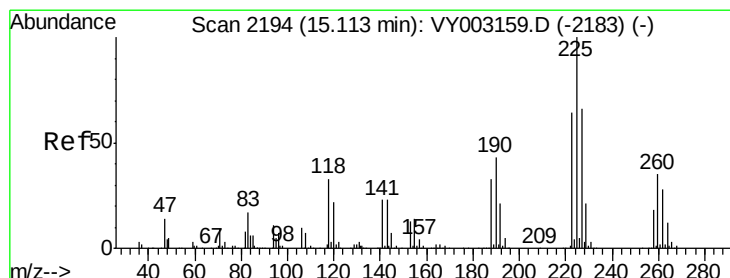
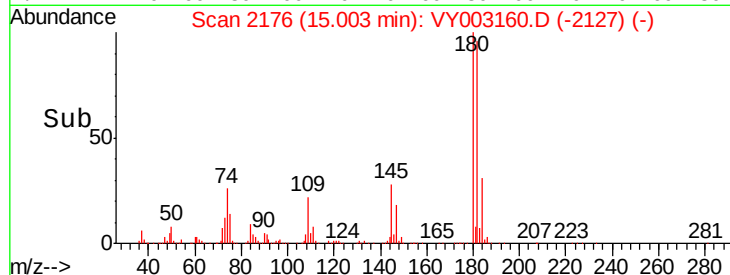
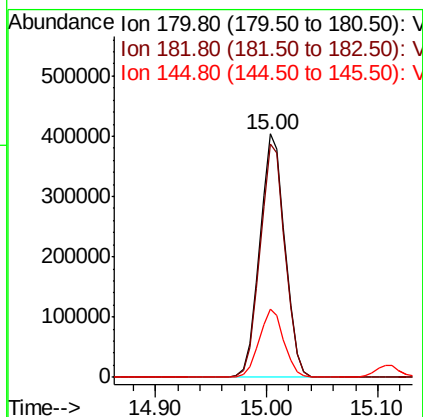
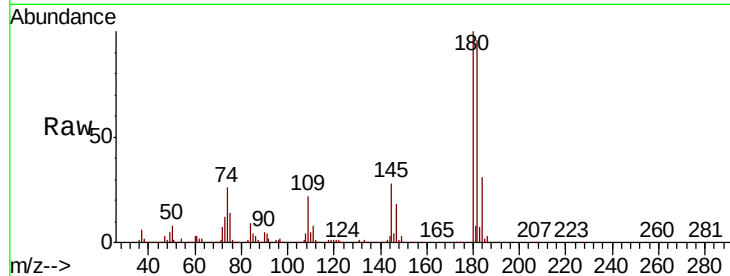
#93
 1,2,4-Trichlorobenzene
 Concen: 94.376 ug/l
 RT: 15.00 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VY003160.D
 Acq: 10 Jul 2020 12:39

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.6	47.3	142.0	
145	27.5	13.7	41.1	

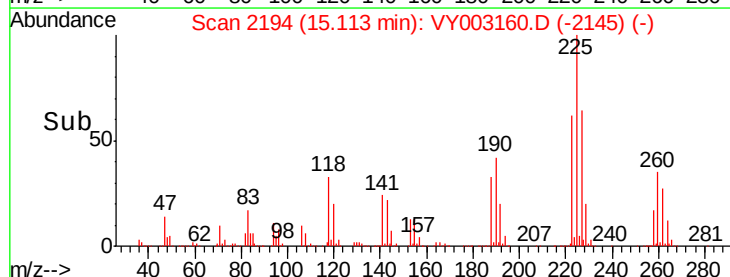
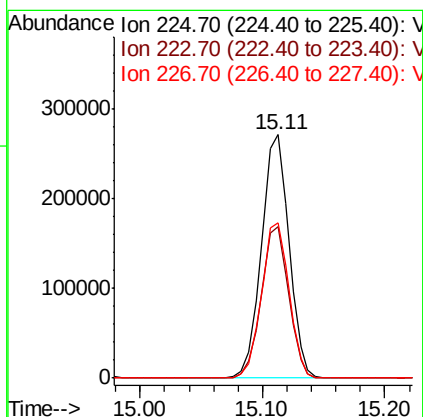
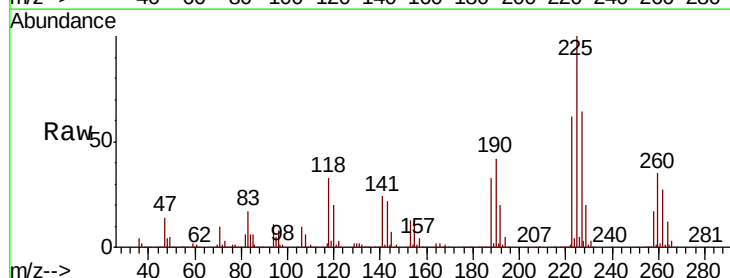
Manual Integrations
 APPROVED

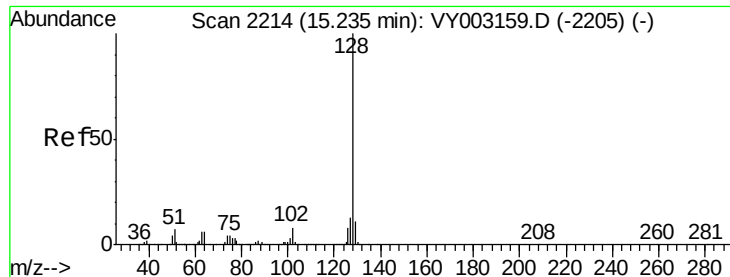
MMDadoda
 7/13/2020 10:47:40 AM



#94
 Hexachlorobutadiene
 Concen: 99.334 ug/l
 RT: 15.11 min Scan# 2194
 Delta R.T. 0.00 min
 Lab File: VY003160.D
 Acq: 10 Jul 2020 12:39

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.2	31.6	94.7	
227	64.1	32.3	96.8	





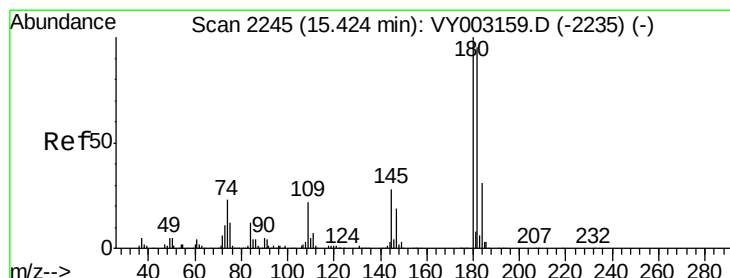
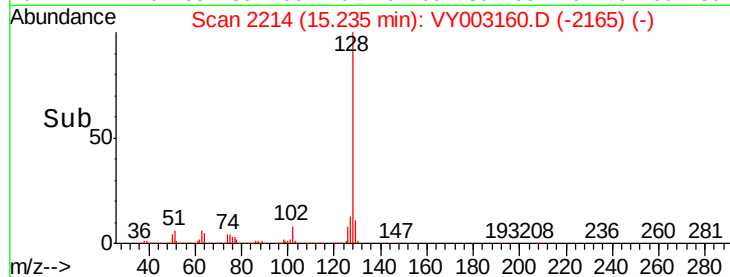
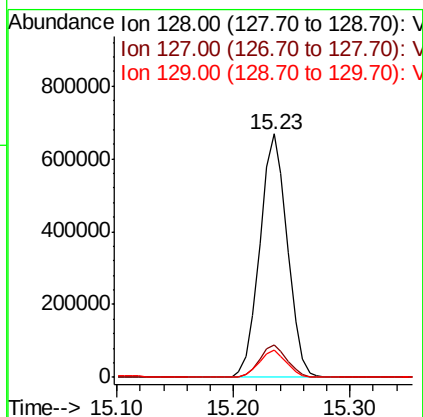
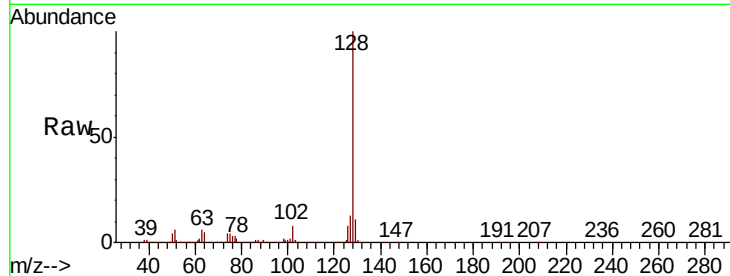
#95
Naphthalene
Concen: 90.319 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VY003160.D
Acq: 10 Jul 2020 12:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.9	16.3
129	11.1	9.0	13.6

Manual Integrations
APPROVED

MMDadoda
7/13/2020 10:47:40 AM



#96
1,2,3-Trichlorobenzene
Concen: 88.426 ug/l
RT: 15.42 min Scan# 2245
Delta R.T. 0.00 min
Lab File: VY003160.D
Acq: 10 Jul 2020 12:39

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	48.8	146.3
145	28.8	14.9	44.5

