

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY022120\
 Data File : VY001759.D
 Acq On : 21 Feb 2020 21:23
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/24/2020 11:09:41 AM

Quant Time: Feb 22 05:40:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 17 12:19:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.83	168	169164	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.72	114	315478	50.00	ug/l	0.01
63) Chlorobenzene-d5	11.51	117	288325	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	134308	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.19	65	96395	52.98	ug/l	0.02
Spiked Amount	50.000		Recovery	=	105.96%	
35) Dibromofluoromethane	7.77	113	86482	47.86	ug/l	0.02
Spiked Amount	50.000		Recovery	=	95.72%	
50) Toluene-d8	10.21	98	355725	50.25	ug/l	0.01
Spiked Amount	50.000		Recovery	=	100.50%	
62) 4-Bromofluorobenzene	12.50	95	131000	47.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.92	85	86099	52.214	ug/l	95
3) Chloromethane	2.14	50	115969	52.287	ug/l	99
4) Vinyl Chloride	2.27	62	110441	49.369	ug/l	100
5) Bromomethane	2.68	94	75554	54.039	ug/l	97
6) Chloroethane	2.83	64	71002	51.506	ug/l	98
7) Trichlorofluoromethane	3.16	101	148739	51.950	ug/l	96
8) Diethyl Ether	3.57	74	63891	56.606	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.94	101	92025	51.137	ug/l	99
10) Methyl Iodide	4.14	142	110509	50.175	ug/l	100
11) Tert butyl alcohol	5.02	59	56792	271.603	ug/l	99
12) 1,1-Dichloroethene	3.92	96	95093	51.809	ug/l	98
13) Acrolein	3.77	56	38487	209.429	ug/l	98
14) Allyl chloride	4.54	41	181237	55.482	ug/l	99
15) Acrylonitrile	5.22	53	172404	297.996	ug/l	99
16) Acetone	4.00	43	136509	216.817	ug/l	96
17) Carbon Disulfide	4.24	76	305454	49.847	ug/l	99
18) Methyl Acetate	4.53	43	79907	58.279	ug/l	98
19) Methyl tert-butyl Ether	5.28	73	288527	56.460	ug/l	97
20) Methylene Chloride	4.78	84	120760	53.998	ug/l	99
21) trans-1,2-Dichloroethene	5.28	96	109800	52.432	ug/l	99
22) Diisopropyl ether	6.18	45	386307	57.586	ug/l	96
23) Vinyl Acetate	6.12	43	1283719	293.368	ug/l	98
24) 1,1-Dichloroethane	6.08	63	198069	55.243	ug/l	99
25) 2-Butanone	7.04	43	228340	266.973	ug/l	99
26) 2,2-Dichloropropane	7.04	77	153656	49.258	ug/l	100
27) cis-1,2-Dichloroethene	7.04	96	123830	53.571	ug/l	99
28) Bromochloromethane	7.38	49	91779	61.449	ug/l	96
29) Tetrahydrofuran	7.39	42	152091	294.205	ug/l	98
30) Chloroform	7.55	83	189981	54.228	ug/l	100
31) Cyclohexane	7.83	56	187639	49.084	ug/l	99
32) 1,1,1-Trichloroethane	7.75	97	154244	52.385	ug/l	99
36) 1,1-Dichloropropene	7.96	75	150680	50.003	ug/l	99
37) Ethyl Acetate	7.13	43	99388	55.259	ug/l	99
38) Carbon Tetrachloride	7.94	117	130364	49.252	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY022120\
 Data File : VY001759.D
 Acq On : 21 Feb 2020 21:23
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/24/2020 11:09:41 AM

Quant Time: Feb 22 05:40:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 17 12:19:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.22	83	192728	48.208	ug/l	99
40) Benzene	8.20	78	467046	52.698	ug/l	99
41) Methacrylonitrile	7.37	41	52795m	58.461	ug/l	
42) 1,2-Dichloroethane	8.28	62	129820	53.768	ug/l	100
43) Isopropyl Acetate	8.31	43	193574	56.724	ug/l	98
44) Trichloroethene	8.97	130	111175	50.251	ug/l	100
45) 1,2-Dichloropropane	9.25	63	119647	53.906	ug/l	99
46) Dibromomethane	9.34	93	64155	55.262	ug/l	97
47) Bromodichloromethane	9.53	83	150018	53.543	ug/l	99
48) Methyl methacrylate	9.32	41	85519	55.411	ug/l	100
49) 1,4-Dioxane	9.33	88	16232	989.954	ug/l	92
51) 4-Methyl-2-Pentanone	10.10	43	500400	285.400	ug/l	99
52) Toluene	10.27	92	285346	51.616	ug/l	98
53) t-1,3-Dichloropropene	10.49	75	165367	53.388	ug/l	98
54) cis-1,3-Dichloropropene	9.96	75	188993	53.014	ug/l	98
55) 1,1,2-Trichloroethane	10.67	97	93909	54.860	ug/l	96
56) Ethyl methacrylate	10.53	69	143400	55.841	ug/l	98
57) 1,3-Dichloropropane	10.81	76	165666	54.467	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.82	63	247949	257.294	ug/l	98
59) 2-Hexanone	10.86	43	353053	268.370	ug/l	98
60) Dibromochloromethane	11.01	129	100651	53.331	ug/l	100
61) 1,2-Dibromoethane	11.11	107	90419	55.864	ug/l	99
64) Tetrachloroethene	10.74	164	89693	49.555	ug/l	99
65) Chlorobenzene	11.53	112	296567	51.520	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.61	131	100426	51.718	ug/l	98
67) Ethyl Benzene	11.61	91	551929	51.667	ug/l	100
68) m/p-Xylenes	11.72	106	409647	102.658	ug/l	99
69) o-Xylene	12.05	106	196435	51.780	ug/l	98
70) Styrene	12.06	104	346907	52.617	ug/l	100
71) Bromoform	12.23	173	58683	52.882	ug/l #	100
73) Isopropylbenzene	12.35	105	523237	51.138	ug/l	98
74) N-amyl acetate	12.16	43	181457	55.569	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.60	83	120540	55.174	ug/l	98
76) 1,2,3-Trichloropropane	12.65	75	81704m	53.031	ug/l	
77) Bromobenzene	12.63	156	114854	51.781	ug/l	99
78) n-propylbenzene	12.69	91	642864	51.588	ug/l	99
79) 2-Chlorotoluene	12.77	91	366810	52.482	ug/l	100
80) 1,3,5-Trimethylbenzene	12.83	105	435364	51.402	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	43042	53.001	ug/l	96
82) 4-Chlorotoluene	12.87	91	382186	51.847	ug/l	100
83) tert-Butylbenzene	13.09	119	356297	50.298	ug/l	99
84) 1,2,4-Trimethylbenzene	13.14	105	441349	52.268	ug/l	100
85) sec-Butylbenzene	13.27	105	526939	50.578	ug/l	100
86) p-Isopropyltoluene	13.39	119	457976	50.601	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	221237	51.430	ug/l	99
88) 1,4-Dichlorobenzene	13.46	146	221040	50.833	ug/l	99
89) n-Butylbenzene	13.71	91	466843	50.479	ug/l	99
90) Hexachloroethane	13.98	117	87110	51.083	ug/l	99
91) 1,2-Dichlorobenzene	13.75	146	205109	51.666	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.37	75	19226	53.324	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY022120\
Data File : VY001759.D
Acq On : 21 Feb 2020 21:23
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00G/5ML/MSVOA Y/SOIL
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

MMDadoda
2/24/2020 11:09:41 AM

Quant Time: Feb 22 05:40:15 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 17 12:19:53 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	129407	49.190	ug/l	99
94) Hexachlorobutadiene	15.13	225	61768	47.211	ug/l	98
95) Naphthalene	15.25	128	316845	52.235	ug/l	100
96) 1,2,3-Trichlorobenzene	15.44	180	116256	50.230	ug/l	99

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

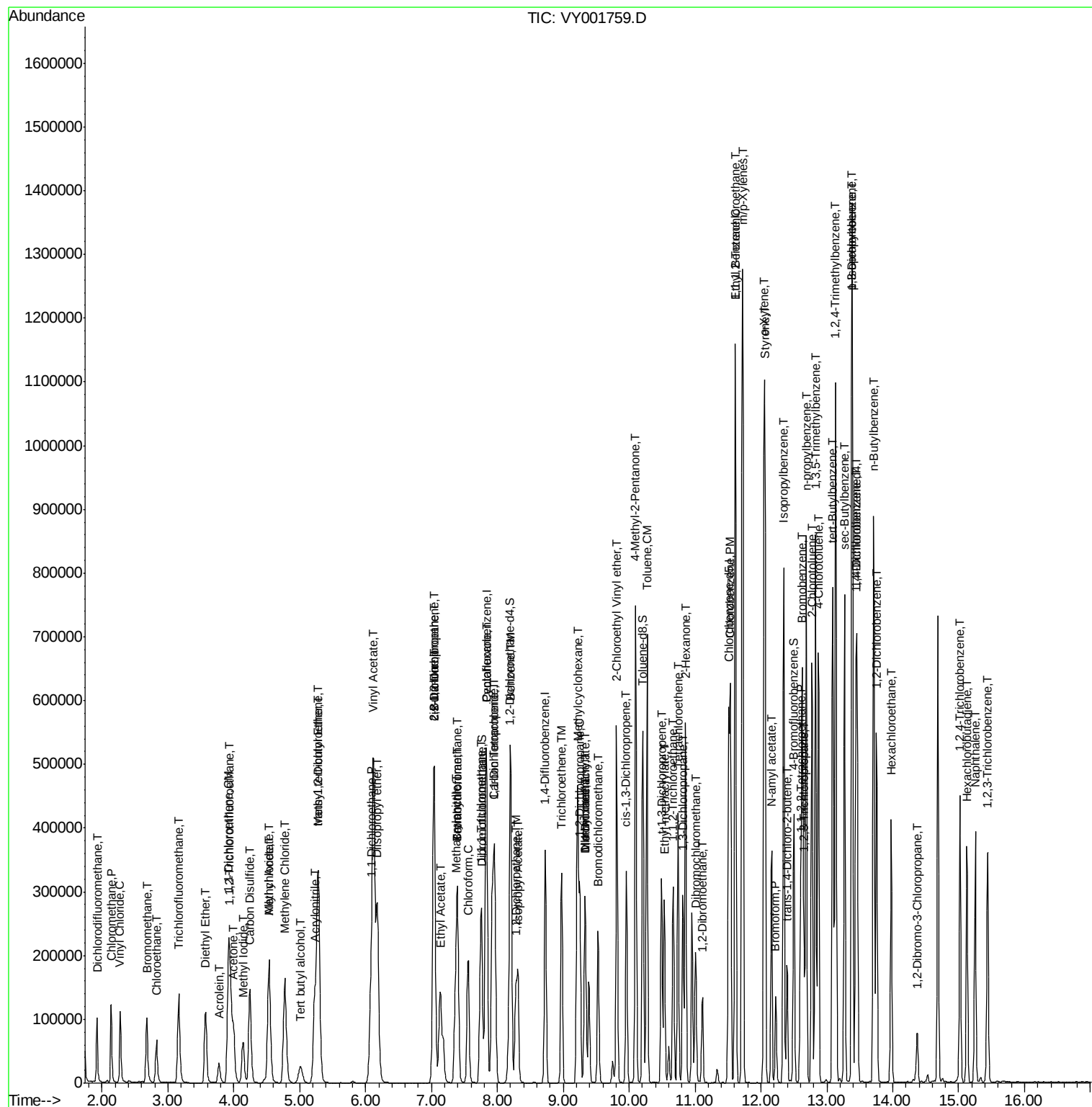
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY022120\
 Data File : VY001759.D
 Acq On : 21 Feb 2020 21:23
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 29 Sample Multiplier: 1

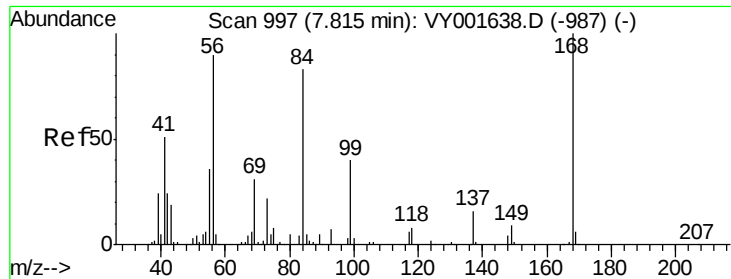
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/24/2020 11:09:41 AM

Quant Time: Feb 22 05:40:15 2020
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 17 12:19:53 2020
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.83 min Scan# 1000

Delta R.T. 0.02 min

Lab File: VY001759.D

Acq: 21 Feb 2020 21:23

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 169164

Ion Ratio Lower Upper

168 100

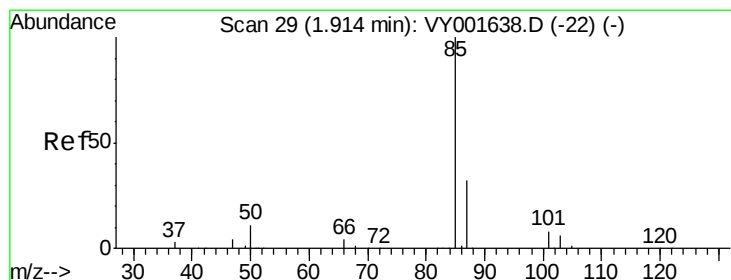
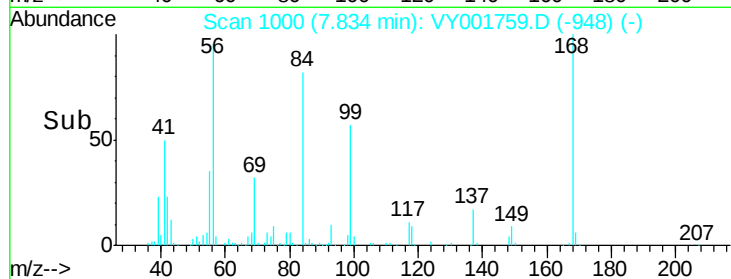
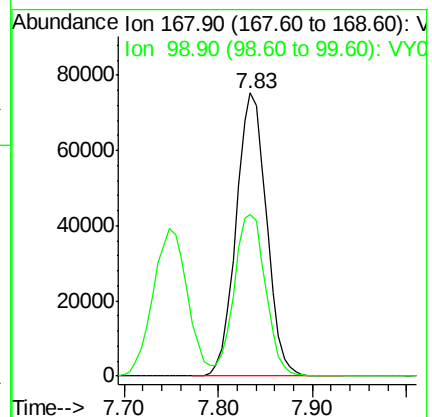
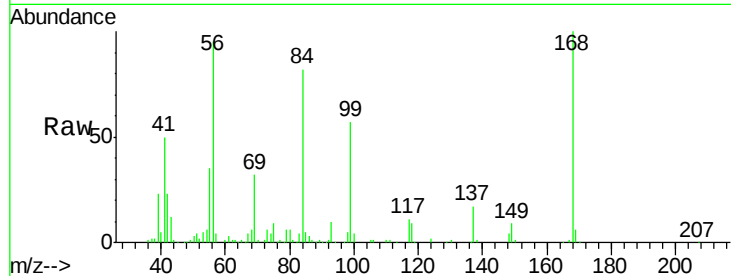
99 57.0 47.5 71.3

Manual Integrations

APPROVED

MMDadoda

2/24/2020 11:09:41 AM



#2

Dichlorodifluoromethane

Concen: 52.214 ug/l

RT: 1.92 min Scan# 30

Delta R.T. 0.01 min

Lab File: VY001759.D

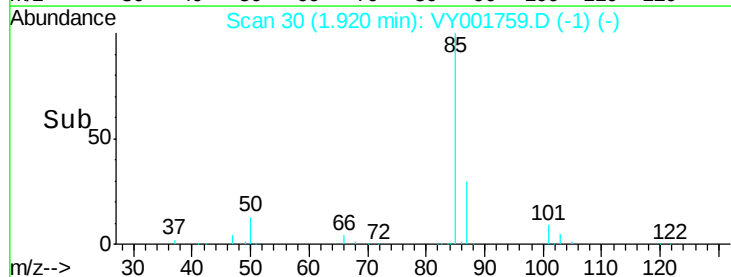
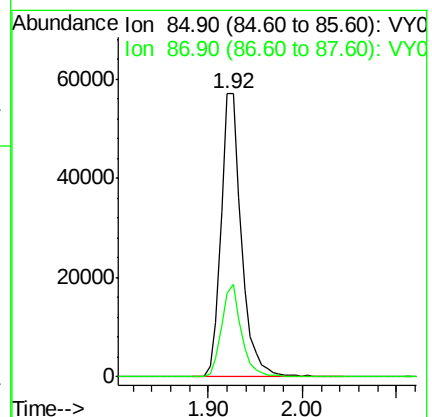
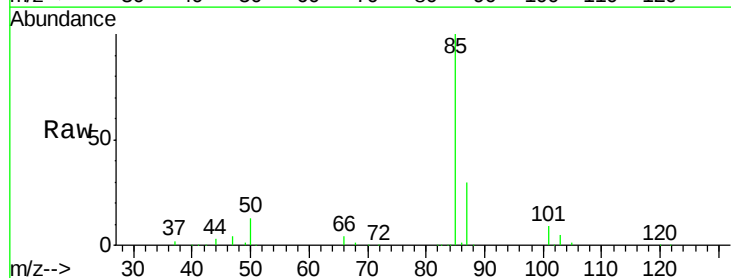
Acq: 21 Feb 2020 21:23

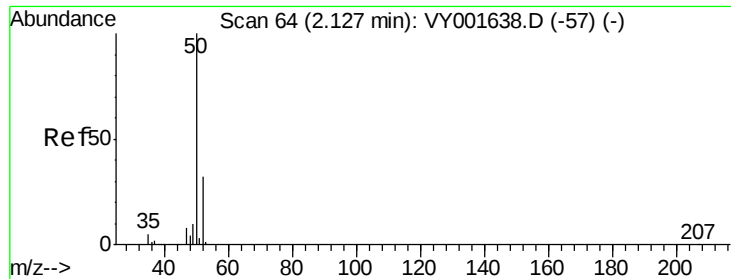
Tgt Ion: 85 Resp: 86099

Ion Ratio Lower Upper

85 100

87 29.7 16.2 48.6





#3

Chloromethane

Concen: 52.287 ug/l

RT: 2.14 min Scan# 66

Delta R.T. 0.01 min

Lab File: VY001759.D

Acq: 21 Feb 2020 21:23

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 115969

Ion Ratio Lower Upper

50 100

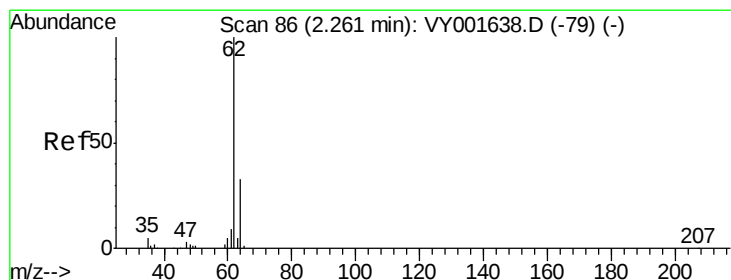
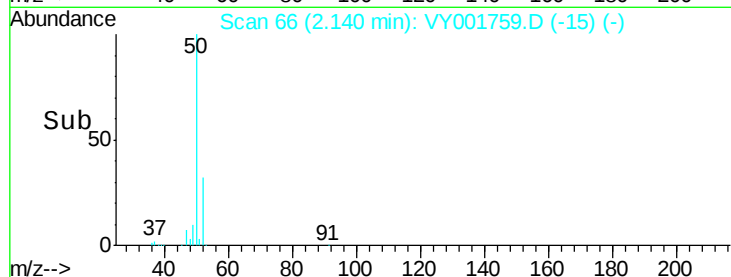
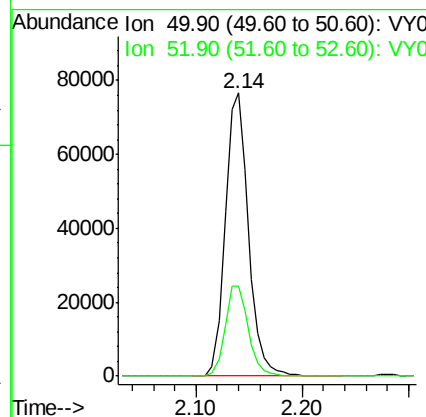
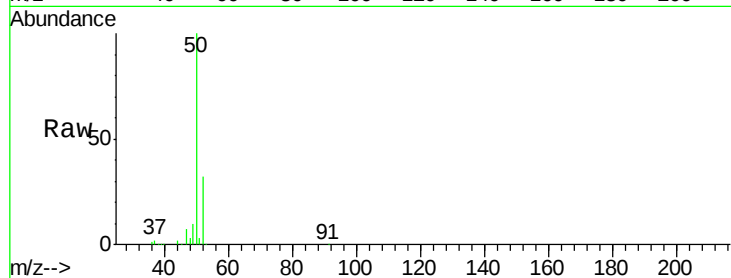
52 31.7 25.8 38.6

Manual Integrations

APPROVED

MMDadoda

2/24/2020 11:09:41 AM



#4

Vinyl Chloride

Concen: 49.369 ug/l

RT: 2.27 min Scan# 88

Delta R.T. 0.01 min

Lab File: VY001759.D

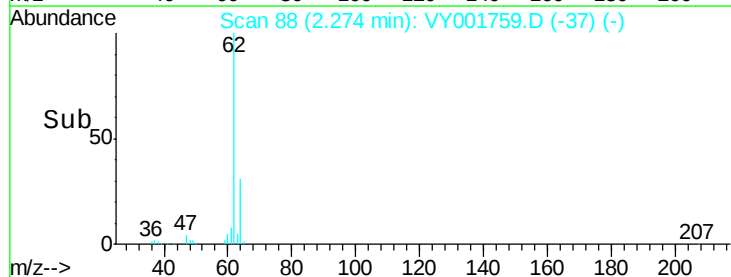
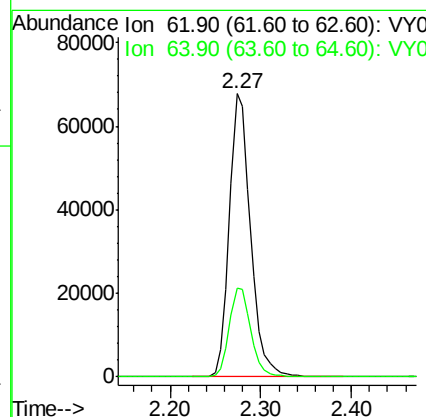
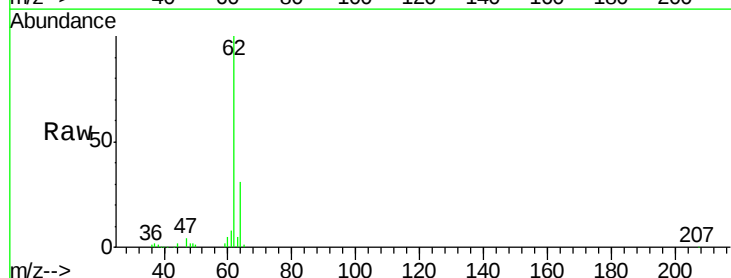
Acq: 21 Feb 2020 21:23

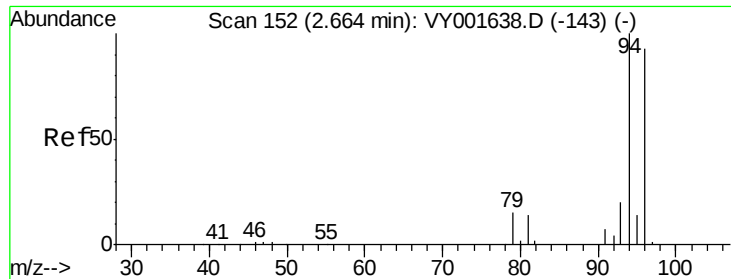
Tgt Ion: 62 Resp: 110441

Ion Ratio Lower Upper

62 100

64 31.2 24.9 37.3





#5

Bromomethane

Concen: 54.039 ug/l

RT: 2.68 min Scan# 155

Delta R.T. 0.02 min

Lab File: VY001759.D

Acq: 21 Feb 2020 21:23

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 75554

Ion Ratio Lower Upper

94 100

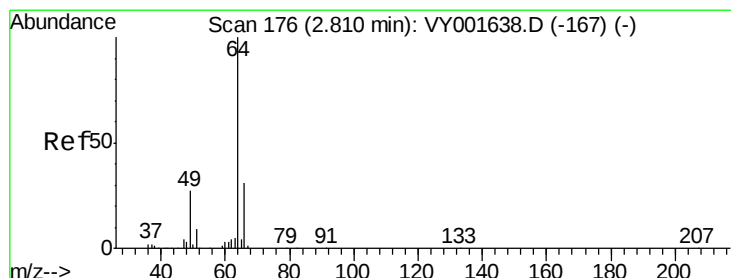
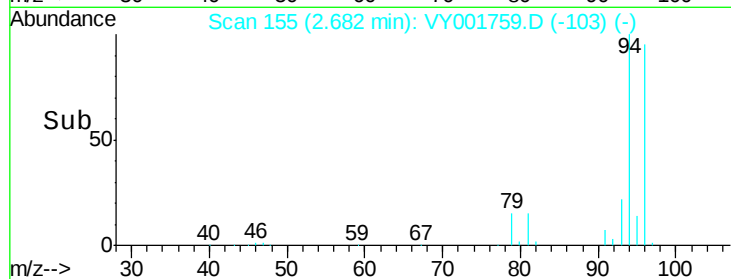
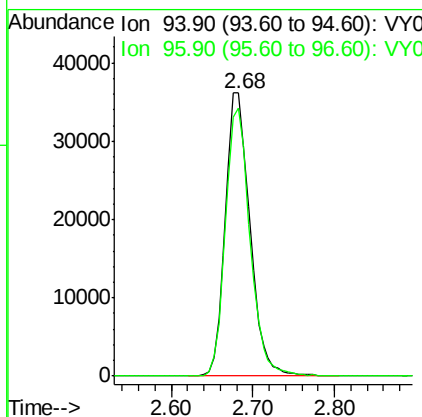
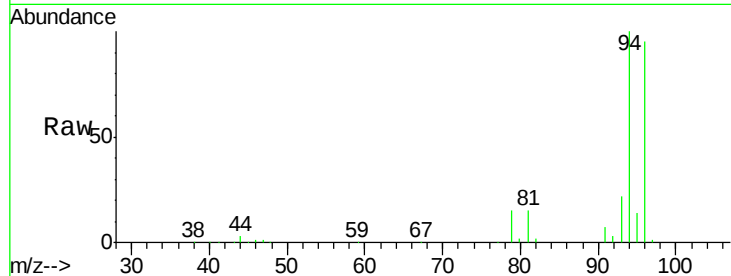
96 94.8 73.7 110.5

Manual Integrations

APPROVED

MMDadoda

2/24/2020 11:09:41 AM



#6

Chloroethane

Concen: 51.506 ug/l

RT: 2.83 min Scan# 179

Delta R.T. 0.02 min

Lab File: VY001759.D

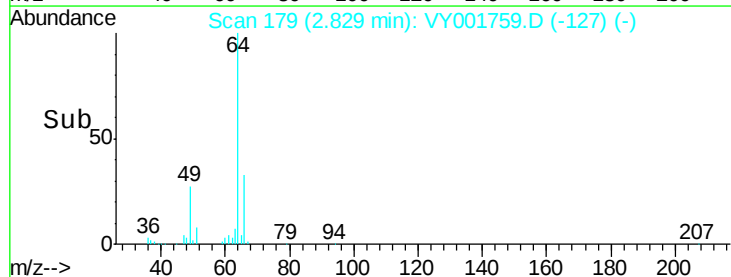
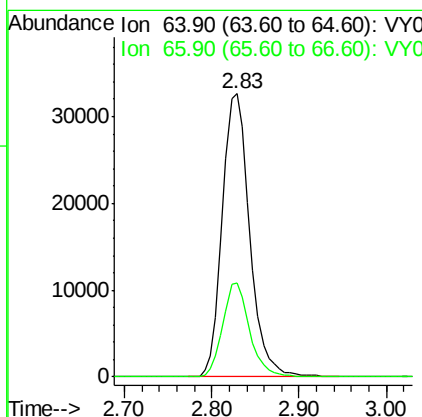
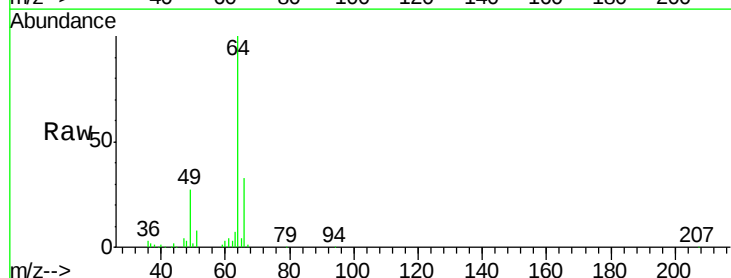
Acq: 21 Feb 2020 21:23

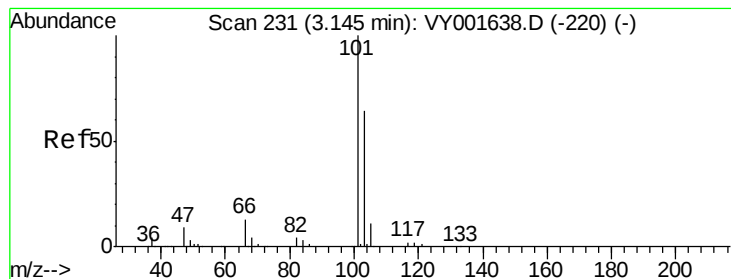
Tgt Ion: 64 Resp: 71002

Ion Ratio Lower Upper

64 100

66 33.2 25.5 38.3





#7

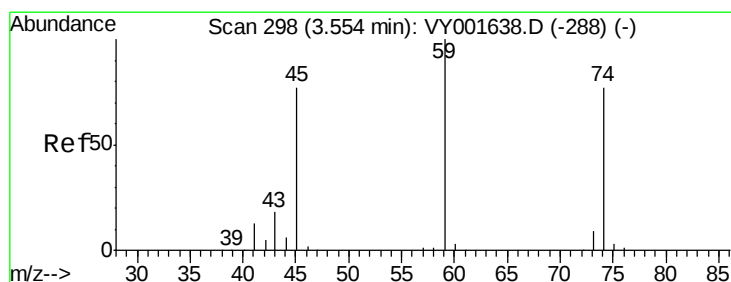
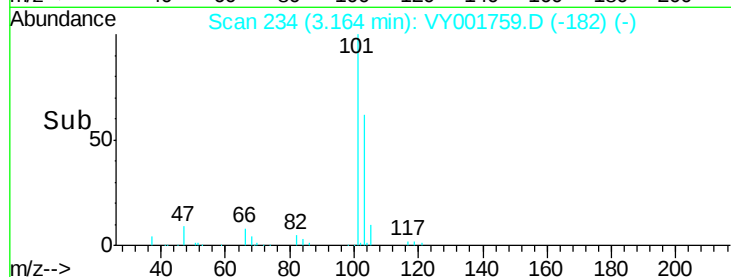
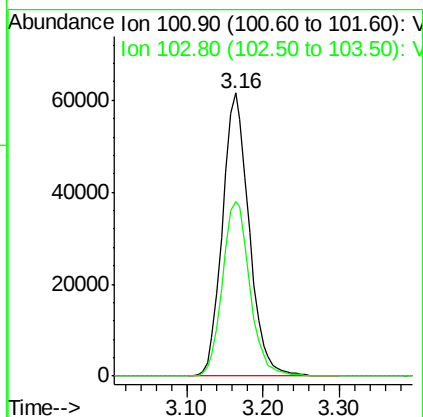
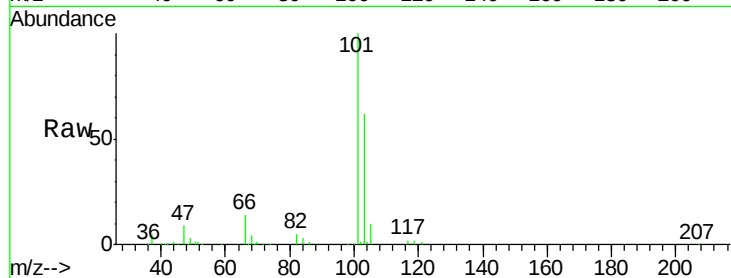
Trichlorofluoromethane
Concen: 51.950 ug/l
RT: 3.16 min Scan# 234
Delta R.T. 0.02 min
Lab File: VY001759.D
Acq: 21 Feb 2020 21:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
101	100	148739		
103	61.6	52.2	78.2	

Manual Integrations
APPROVED

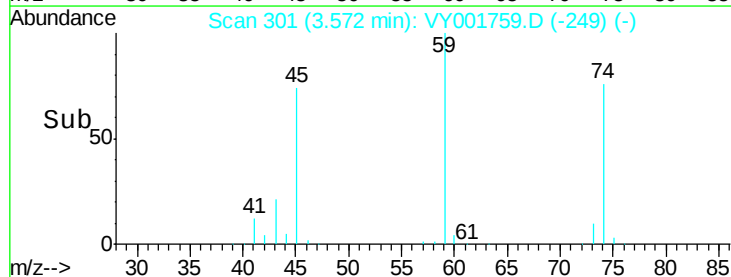
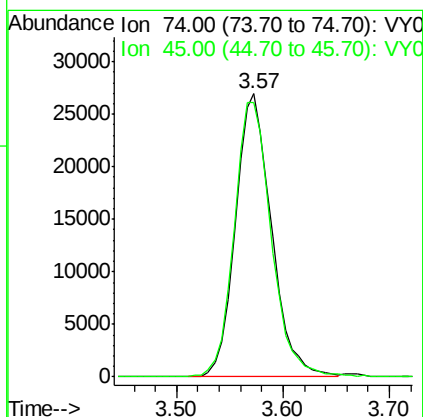
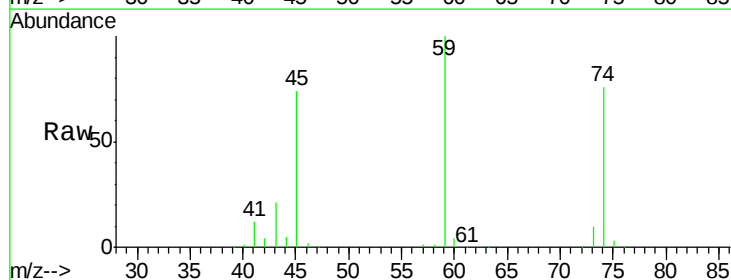
MMDadoda
2/24/2020 11:09:41 AM

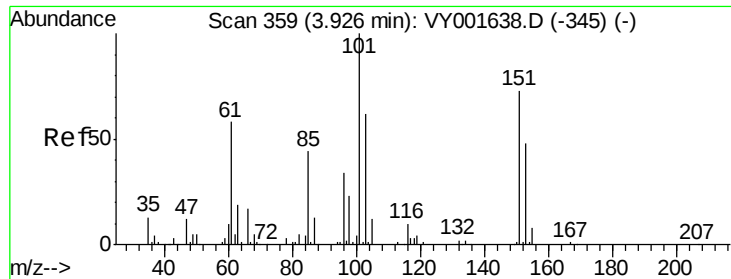


#8

Diethyl Ether
Concen: 56.606 ug/l
RT: 3.57 min Scan# 301
Delta R.T. 0.02 min
Lab File: VY001759.D
Acq: 21 Feb 2020 21:23

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	63891		
45	100.3	49.6	148.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.137 ug/l

RT: 3.94 min Scan# 362

Delta R.T. 0.02 min

Lab File: VY001759.D

Acq: 21 Feb 2020 21:23

Instrument :

MSVOA_Y

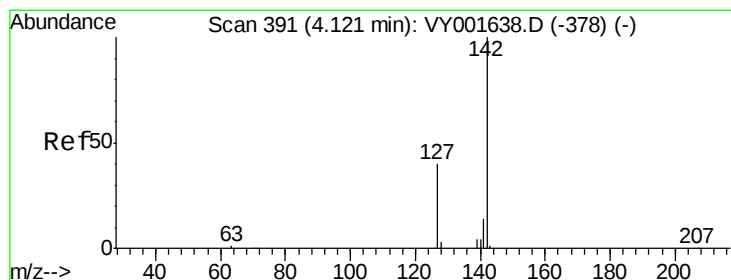
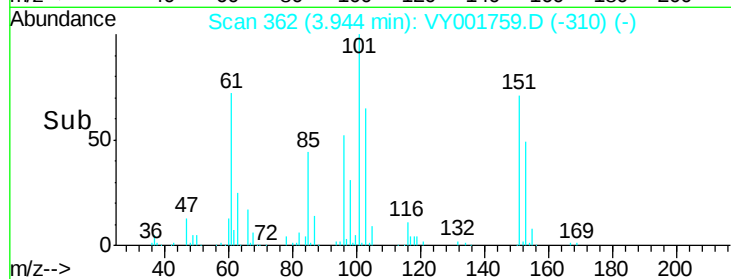
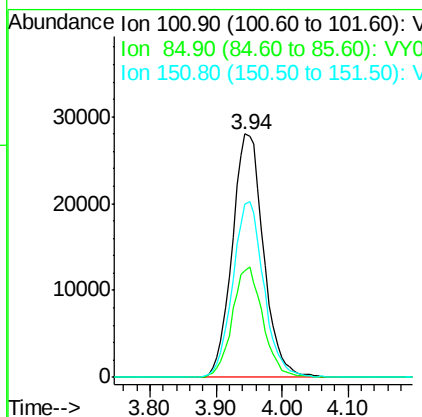
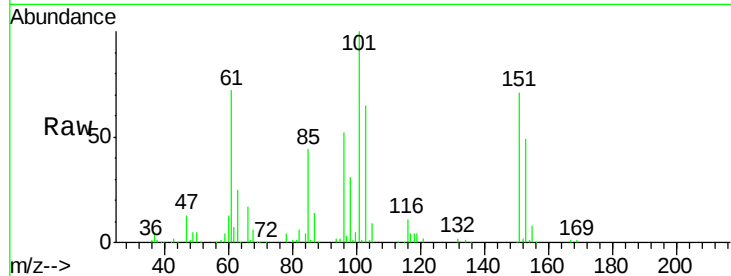
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	92025
Ion Ratio	Lower	Upper	
101	100		
85	44.1	35.1	52.7
151	71.6	58.4	87.6

Manual Integrations
APPROVED

MMDadoda
2/24/2020 11:09:41 AM



#10

Methyl Iodide

Concen: 50.175 ug/l

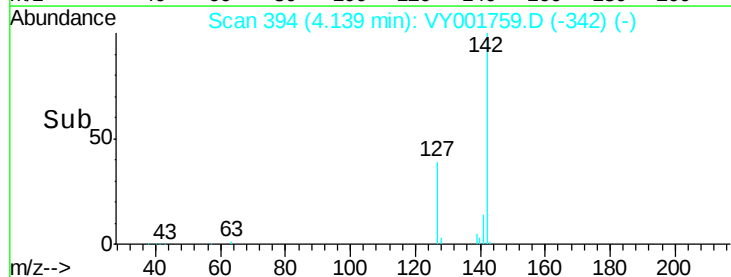
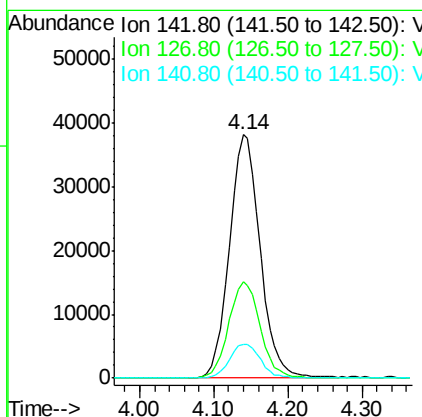
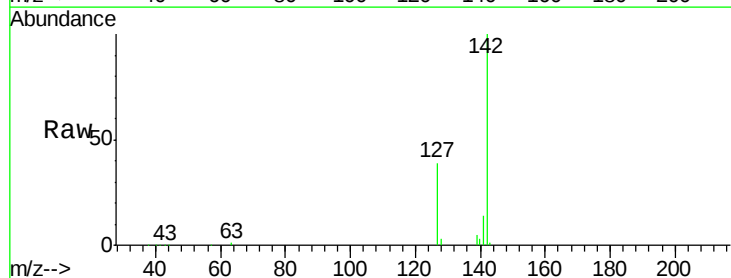
RT: 4.14 min Scan# 394

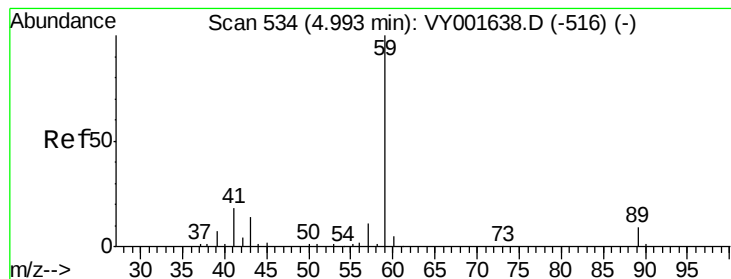
Delta R.T. 0.02 min

Lab File: VY001759.D

Acq: 21 Feb 2020 21:23

Tgt Ion:	142	Resp:	110509
Ion Ratio	Lower	Upper	
142	100		
127	40.3	32.1	48.1
141	14.1	11.3	16.9





#11

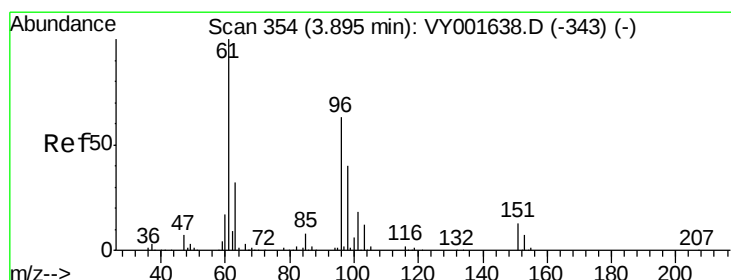
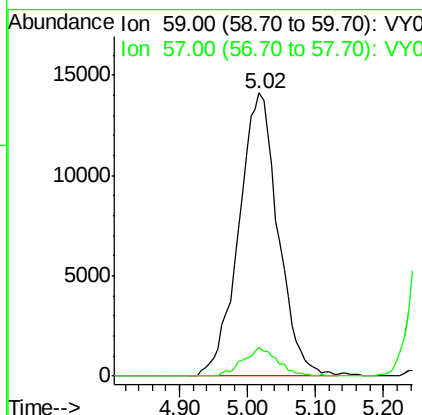
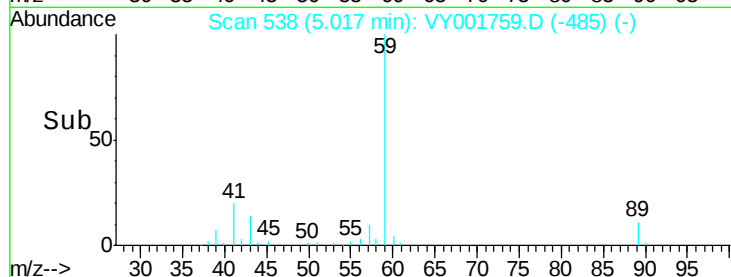
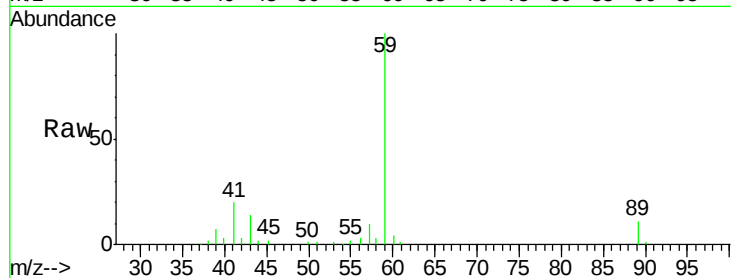
Tert butyl alcohol
 Concen: 271.603 ug/l
 RT: 5.02 min Scan# 538
 Delta R.T. 0.03 min
 Lab File: VY001759.D
 Acq: 21 Feb 2020 21:23

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	59	57	Ratio	100	8.9	Resp	Lower	Upper
56792								
							7.4	11.2

Manual Integrations
 APPROVED

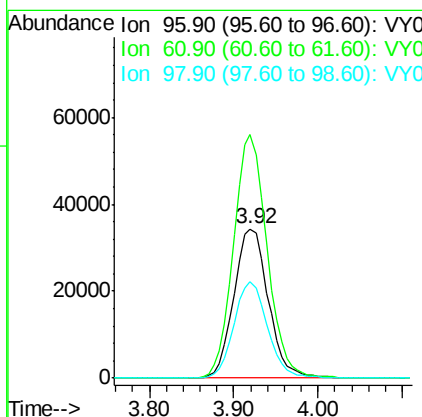
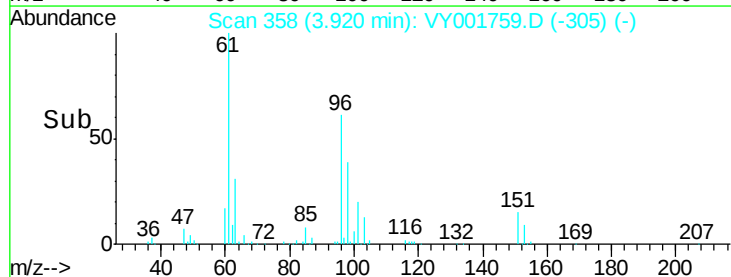
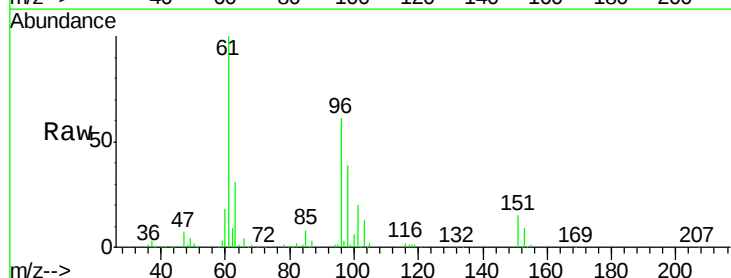
MMDadoda
 2/24/2020 11:09:41 AM

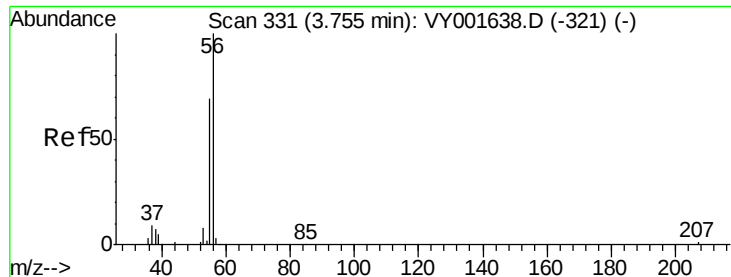


#12

1,1-Dichloroethene
 Concen: 51.809 ug/l
 RT: 3.92 min Scan# 358
 Delta R.T. 0.02 min
 Lab File: VY001759.D
 Acq: 21 Feb 2020 21:23

Tgt Ion	96	61	98	Ratio	100	163.5	64.4	Resp	Lower	Upper
95093										
									128.7	193.1
									50.7	76.1





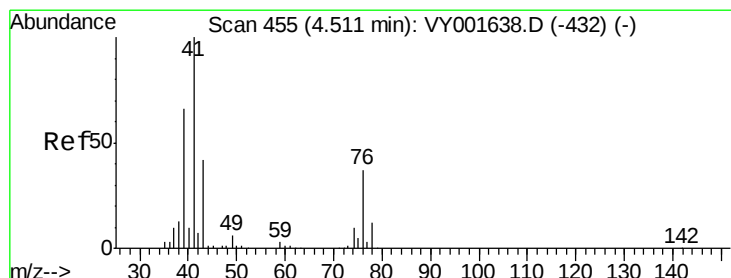
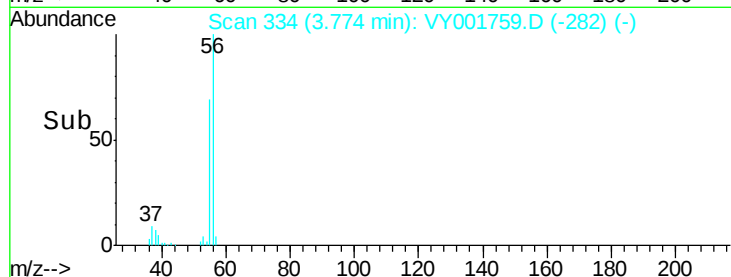
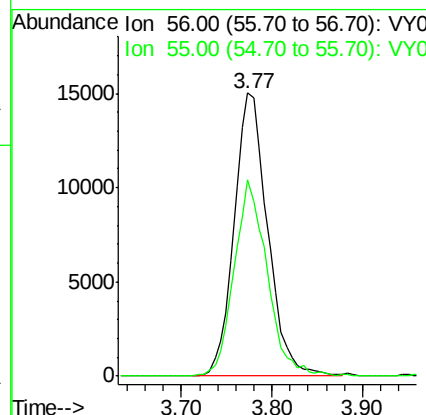
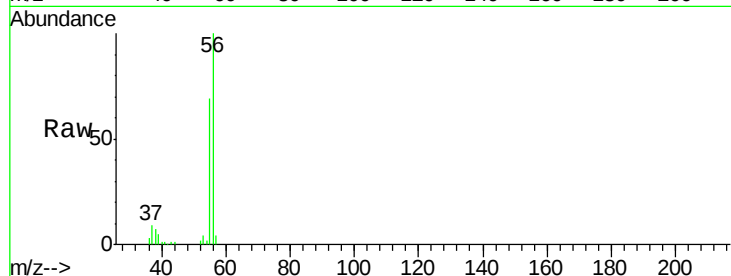
#13
Acrolein
Concen: 209.429 ug/l
RT: 3.77 min Scan# 334
Delta R.T. 0.02 min
Lab File: VY001759.D
Acq: 21 Feb 2020 21:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
55	68.4	56.1	84.1

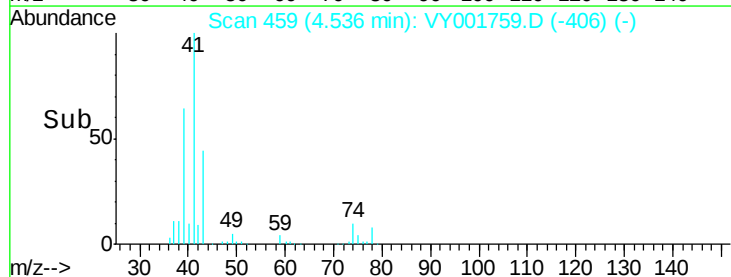
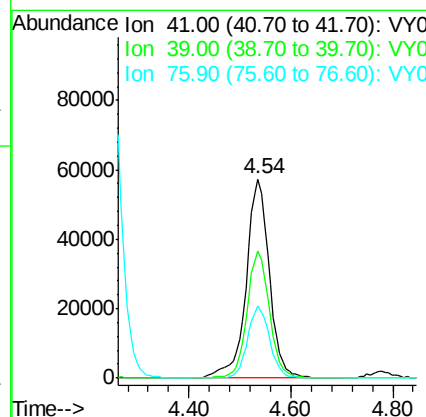
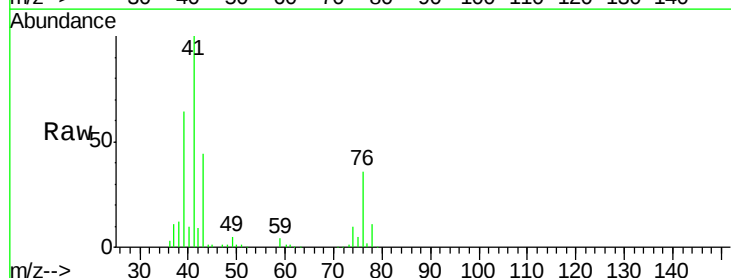
Manual Integrations
APPROVED

MMDadoda
2/24/2020 11:09:41 AM



#14
Allyl chloride
Concen: 55.482 ug/l
RT: 4.54 min Scan# 459
Delta R.T. 0.02 min
Lab File: VY001759.D
Acq: 21 Feb 2020 21:23

Tgt Ion	Ratio	Lower	Upper
41	100		
39	61.8	49.4	74.0
76	34.4	29.0	43.6





#15

Acrylonitrile

Concen: 297.996 ug/l

RT: 5.22 min Scan# 572

Delta R.T. 0.02 min

Lab File: VY001759.D

Acq: 21 Feb 2020 21:23

Instrument :

MSVOA_Y

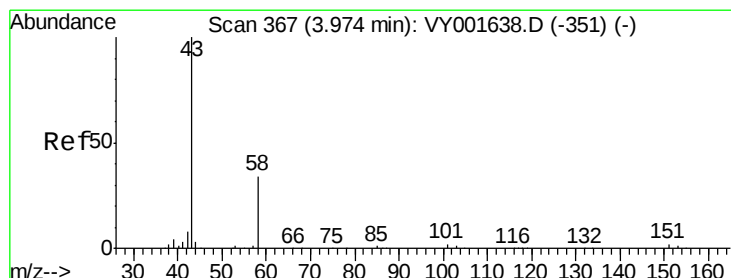
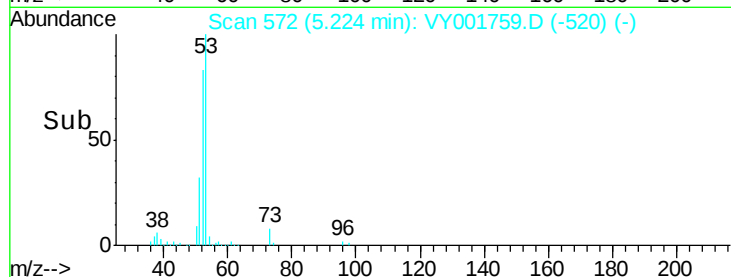
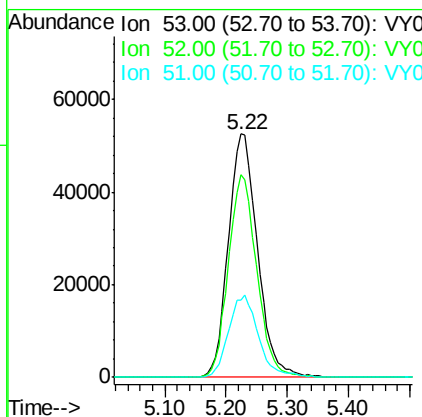
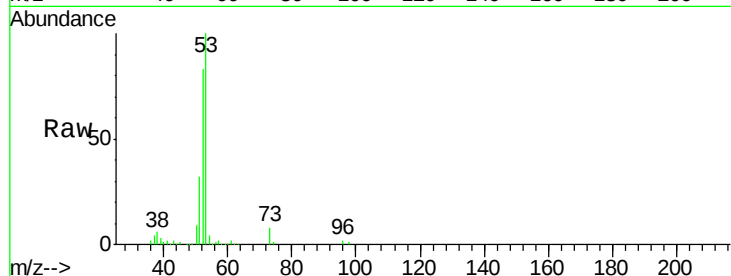
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	172404
Ion Ratio	Lower	Upper	
53	100		
52	81.2	65.4	98.0
51	34.6	28.0	42.0

Manual Integrations
APPROVED

MMDadoda
2/24/2020 11:09:41 AM



#16

Acetone

Concen: 216.817 ug/l

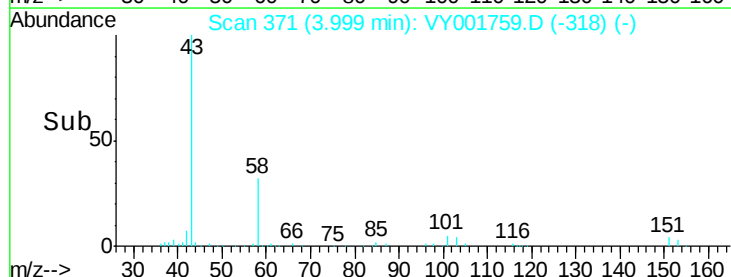
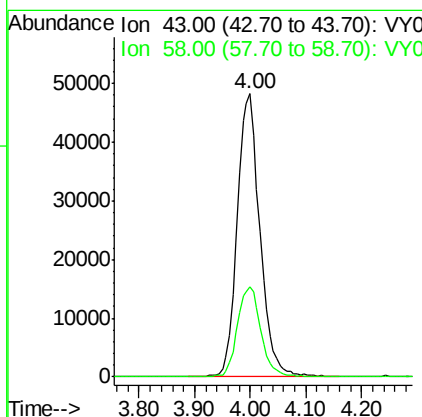
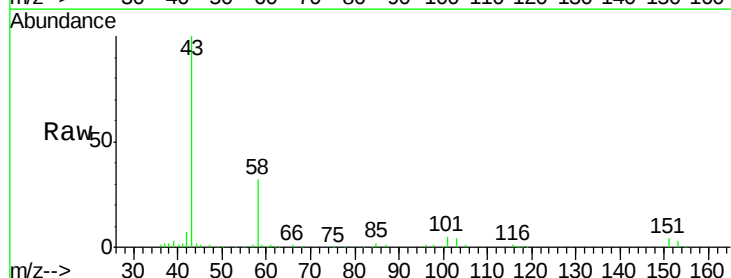
RT: 4.00 min Scan# 371

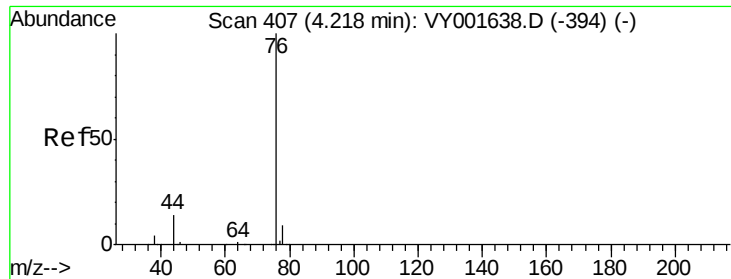
Delta R.T. 0.02 min

Lab File: VY001759.D

Acq: 21 Feb 2020 21:23

Tgt Ion:	43	Resp:	136509
Ion Ratio	Lower	Upper	
43	100		
58	31.7	27.3	40.9





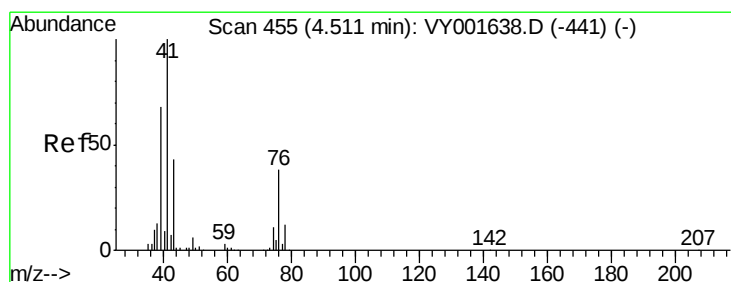
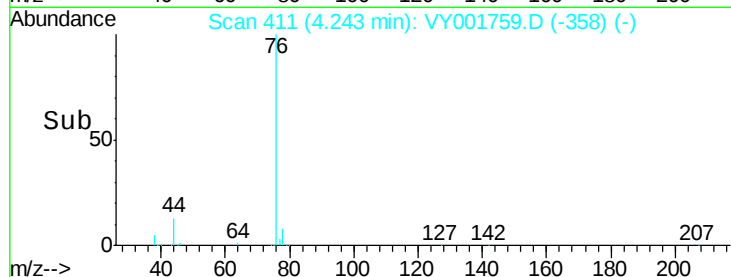
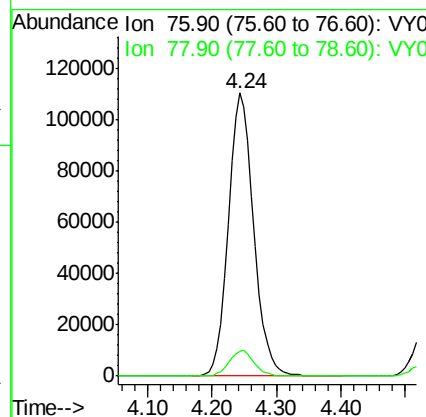
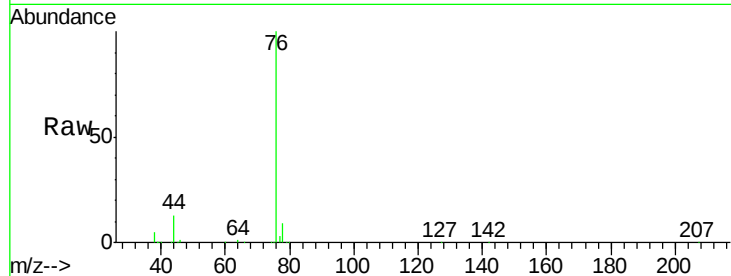
#17
Carbon Disulfide
Concen: 49.847 ug/l
RT: 4.24 min Scan# 411
Delta R.T. 0.02 min
Lab File: VY001759.D
Acq: 21 Feb 2020 21:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.3	10.9

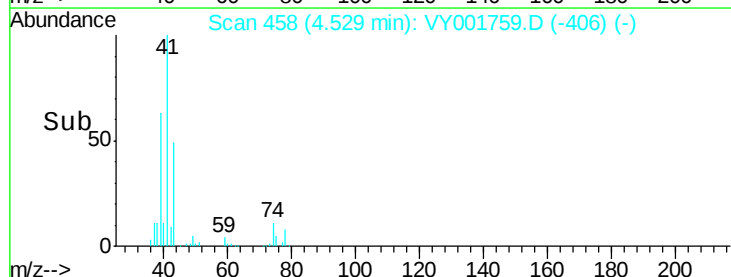
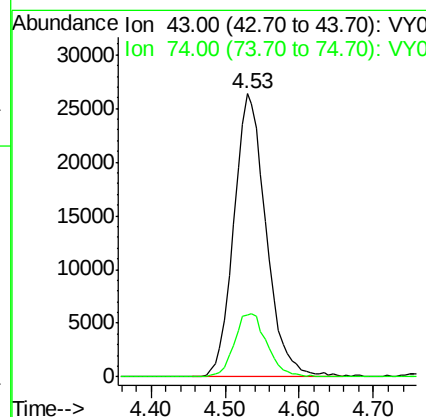
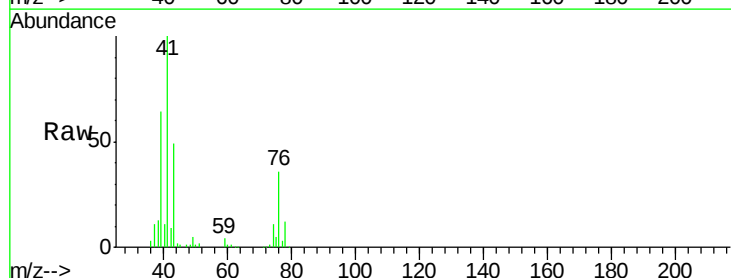
Manual Integrations
APPROVED

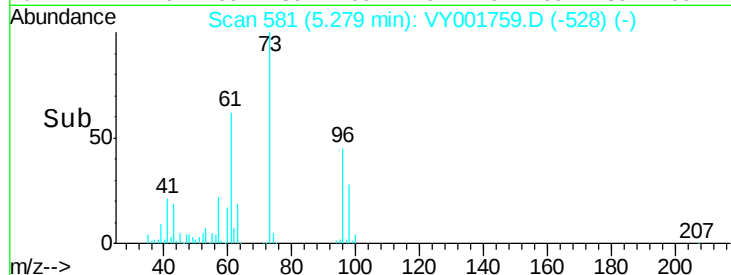
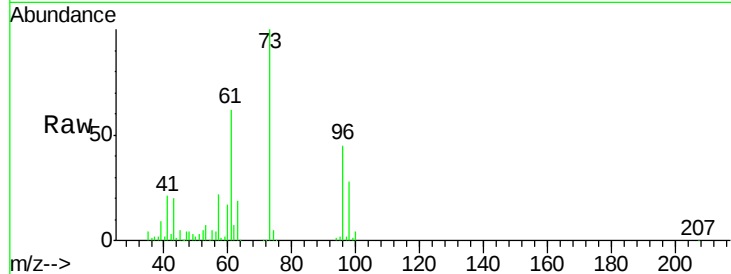
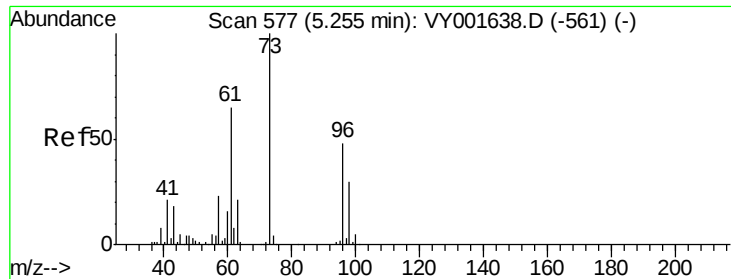
MMDadoda
2/24/2020 11:09:41 AM



#18
Methyl Acetate
Concen: 58.279 ug/l
RT: 4.53 min Scan# 458
Delta R.T. 0.02 min
Lab File: VY001759.D
Acq: 21 Feb 2020 21:23

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.7	19.1	28.7





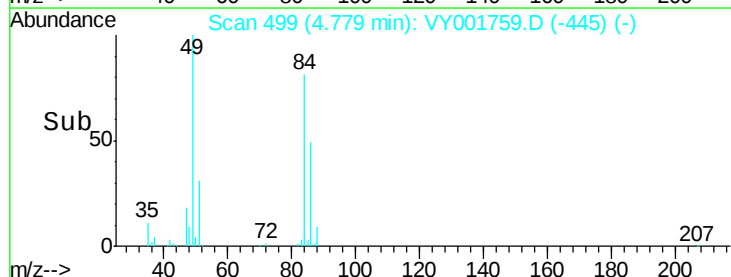
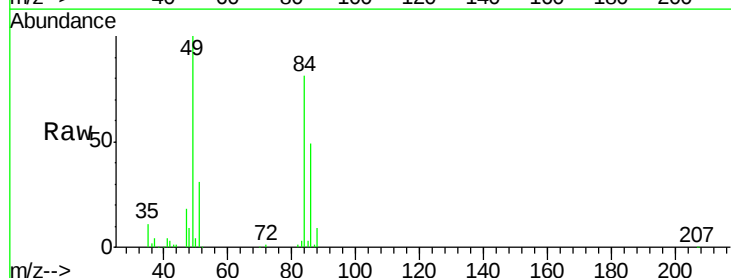
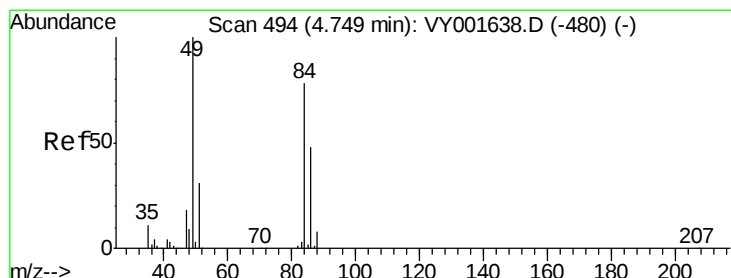
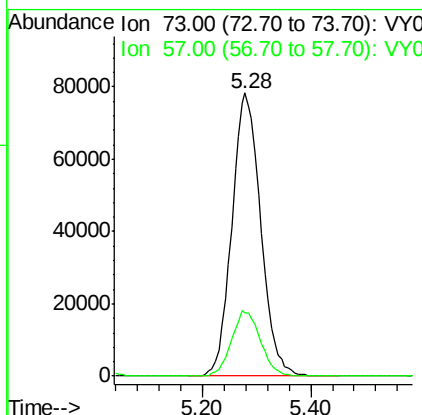
#19
Methyl tert-butyl Ether
Concen: 56.460 ug/l
RT: 5.28 min Scan# 581
Delta R.T. 0.02 min
Lab File: VY001759.D
Acq: 21 Feb 2020 21:23

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.4	19.0	28.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

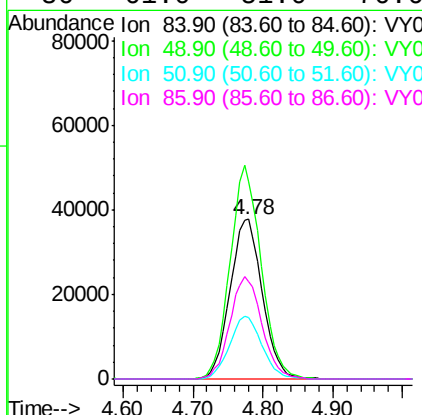
Manual Integrations
APPROVED

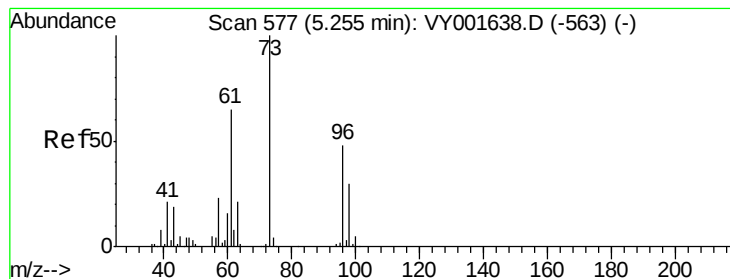
MMDadoda
2/24/2020 11:09:41 AM



#20
Methylene Chloride
Concen: 53.998 ug/l
RT: 4.78 min Scan# 499
Delta R.T. 0.03 min
Lab File: VY001759.D
Acq: 21 Feb 2020 21:23

Tgt Ion	Ratio	Lower	Upper
84	100		
49	123.7	99.2	148.8
51	38.8	31.5	47.3
86	61.0	51.0	76.6





#21

trans-1,2-Dichloroethene

Concen: 52.432 ug/l

RT: 5.28 min Scan# 581

Delta R.T. 0.02 min

Lab File: VY001759.D

Acq: 21 Feb 2020 21:23

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 109800

Ion Ratio Lower Upper

96 100

61 135.4 107.9 161.9

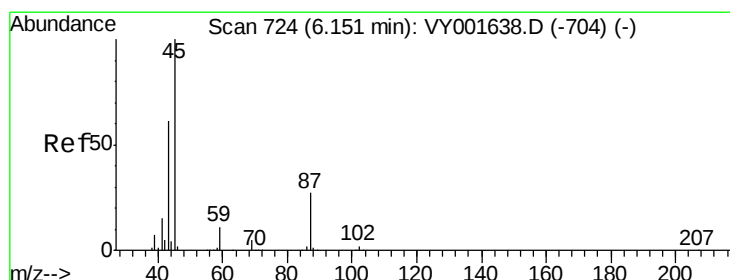
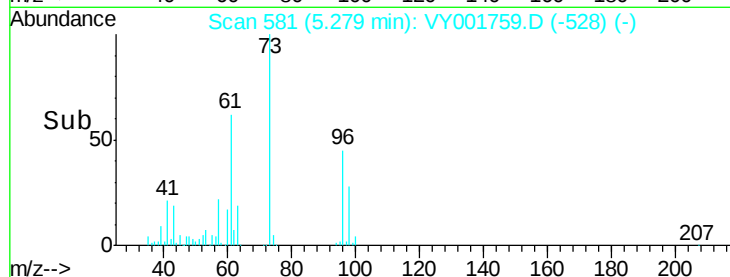
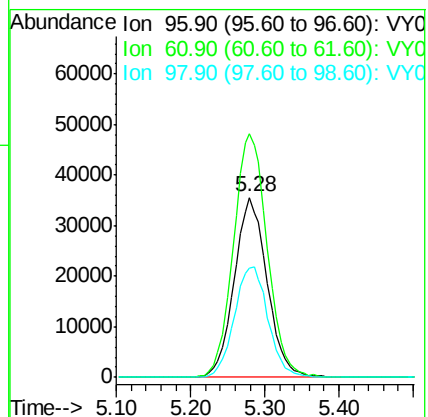
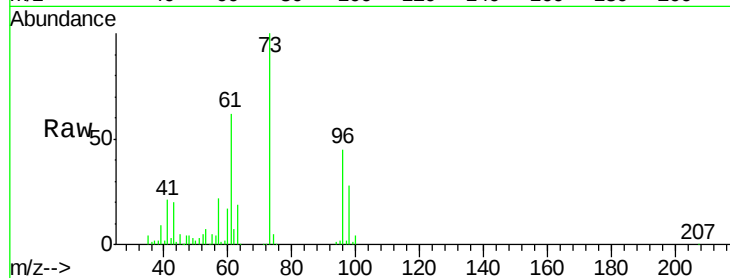
98 60.6 49.8 74.8

Manual Integrations

APPROVED

MMDadoda

2/24/2020 11:09:41 AM



#22

Diisopropyl ether

Concen: 57.586 ug/l

RT: 6.18 min Scan# 728

Delta R.T. 0.02 min

Lab File: VY001759.D

Acq: 21 Feb 2020 21:23

Tgt Ion: 45 Resp: 386307

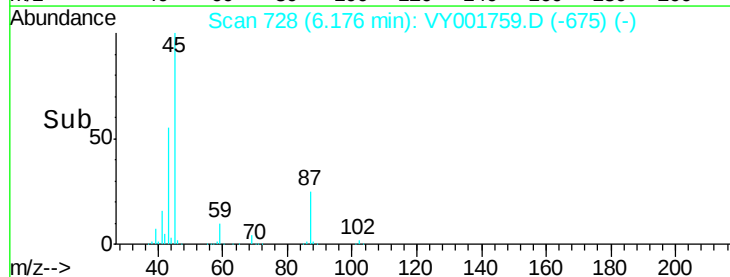
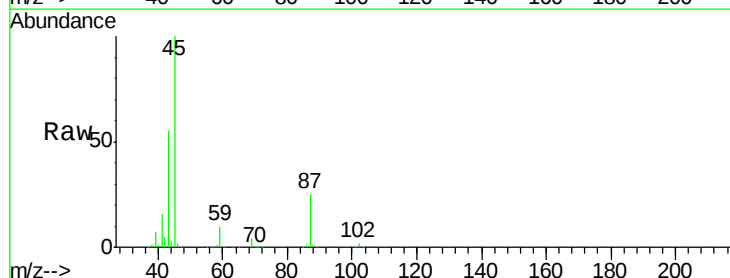
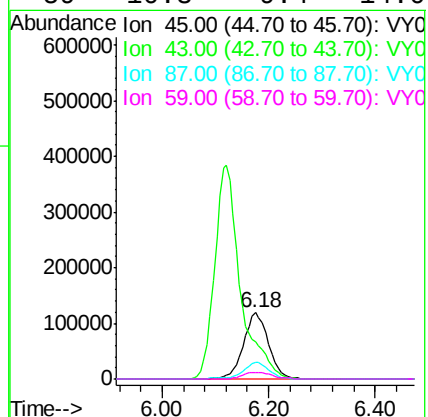
Ion Ratio Lower Upper

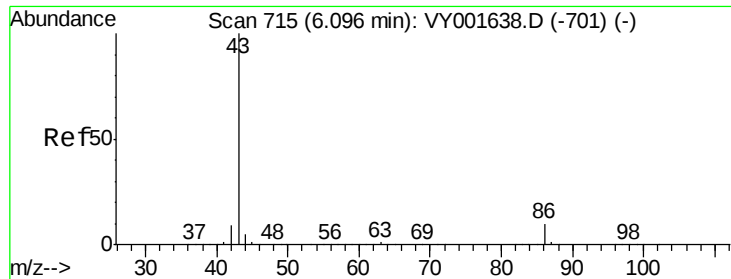
45 100

43 55.1 46.4 69.6

87 24.7 22.1 33.1

59 10.3 9.4 14.0





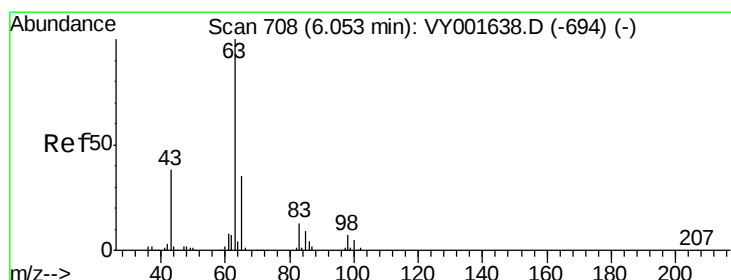
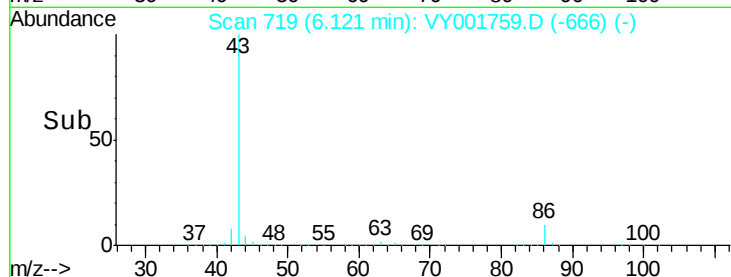
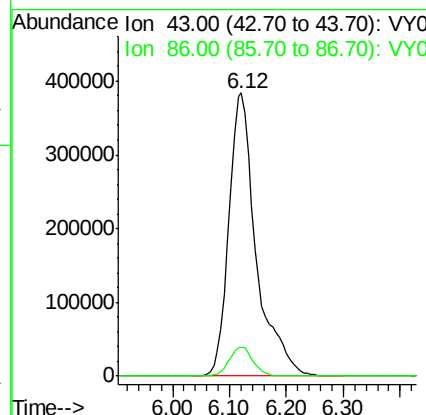
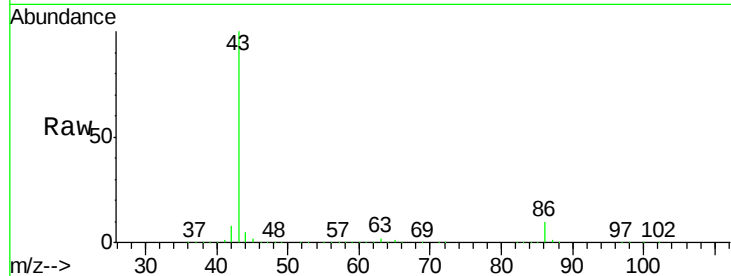
#23
 Vinyl Acetate
 Concen: 293.368 ug/l
 RT: 6.12 min Scan# 719
 Delta R.T. 0.02 min
 Lab File: VY001759.D
 Acq: 21 Feb 2020 21:23

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 1283719
 Ion Ratio Lower Upper
 43 100
 86 10.3 8.8 13.2

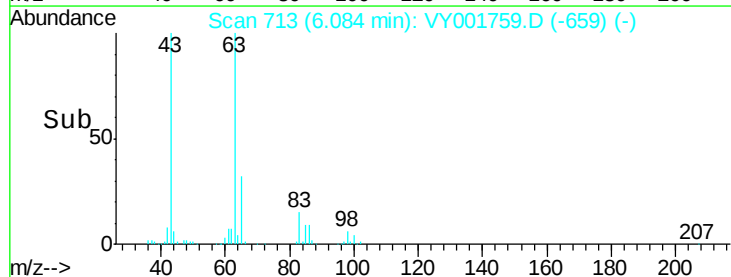
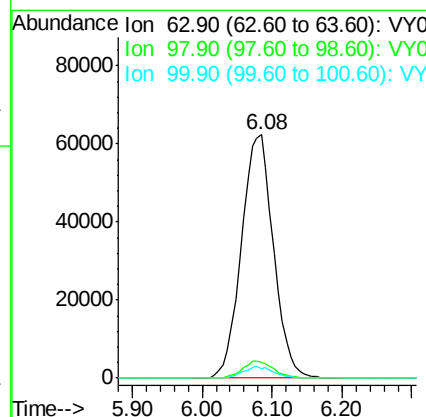
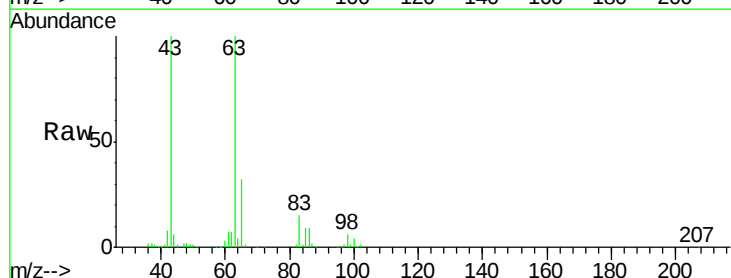
Manual Integrations
 APPROVED

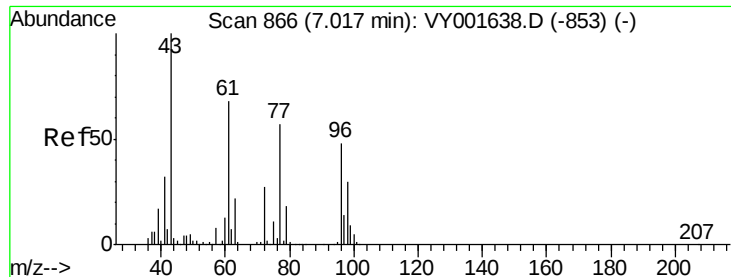
MMDadoda
 2/24/2020 11:09:41 AM



#24
 1,1-Dichloroethane
 Concen: 55.243 ug/l
 RT: 6.08 min Scan# 713
 Delta R.T. 0.03 min
 Lab File: VY001759.D
 Acq: 21 Feb 2020 21:23

Tgt Ion: 63 Resp: 198069
 Ion Ratio Lower Upper
 63 100
 98 6.3 3.4 10.2
 100 4.0 2.3 6.9





#25

2-Butanone

Concen: 266.973 ug/l

RT: 7.04 min Scan# 870

Delta R.T. 0.02 min

Lab File: VY001759.D

Acq: 21 Feb 2020 21:23

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 228340

Ion Ratio Lower Upper

43 100

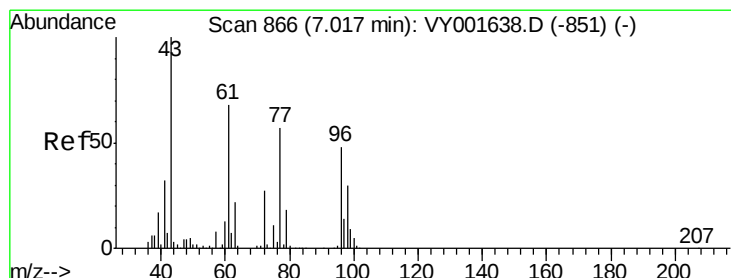
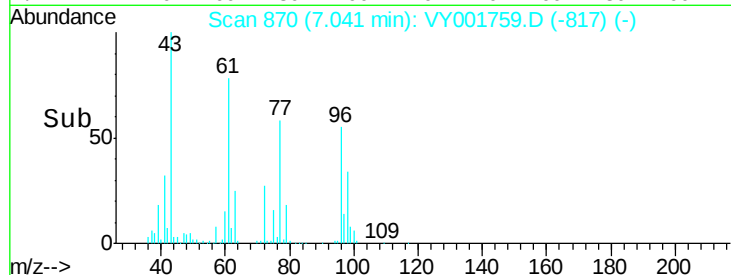
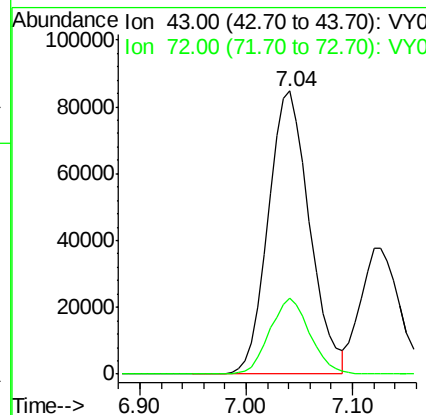
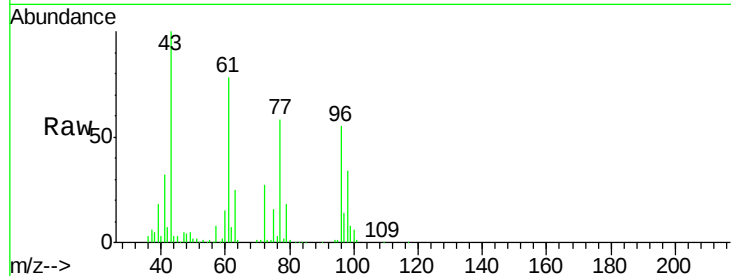
72 26.9 21.2 31.8

Manual Integrations

APPROVED

MMDadoda

2/24/2020 11:09:41 AM



#26

2,2-Dichloropropane

Concen: 49.258 ug/l

RT: 7.04 min Scan# 869

Delta R.T. 0.02 min

Lab File: VY001759.D

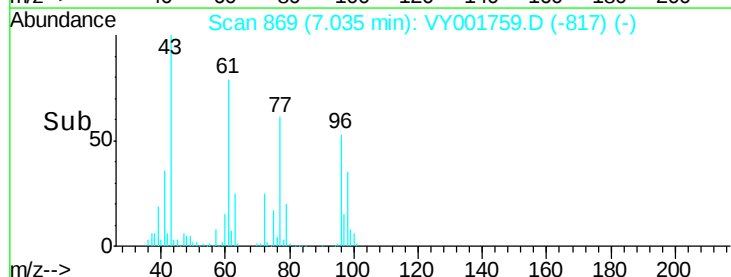
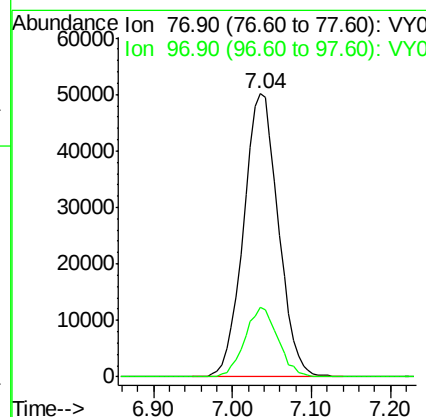
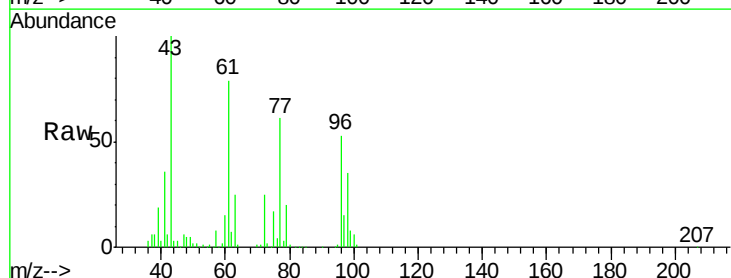
Acq: 21 Feb 2020 21:23

Tgt Ion: 77 Resp: 153656

Ion Ratio Lower Upper

77 100

97 23.5 11.8 35.4





#27

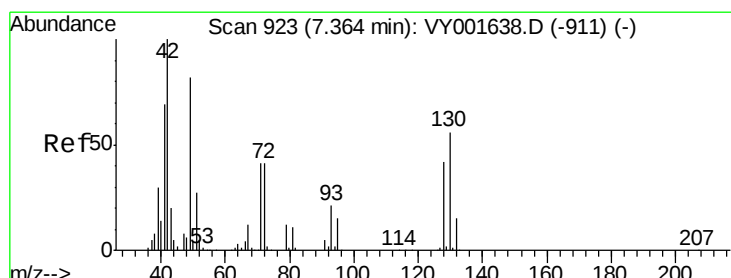
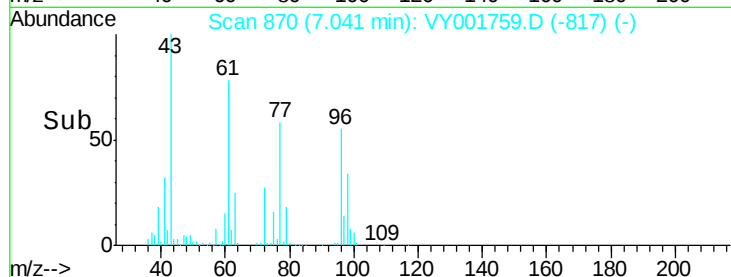
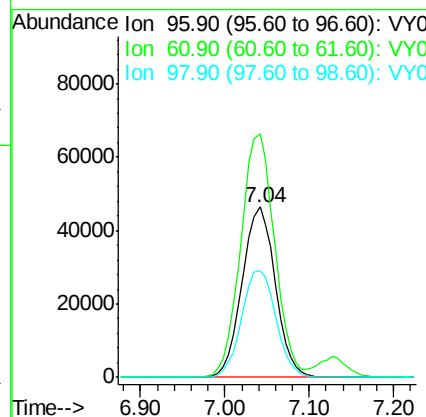
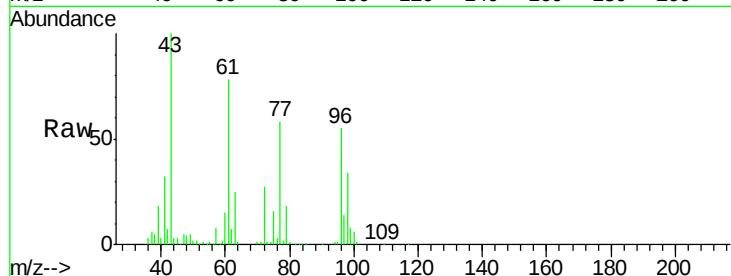
cis-1,2-Dichloroethene
Concen: 53.571 ug/l
RT: 7.04 min Scan# 870
Delta R.T. 0.02 min
Lab File: VY001759.D
Acq: 21 Feb 2020 21:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	146.3	0.0	290.8	
98	64.7	0.0	128.6	

Manual Integrations
APPROVED

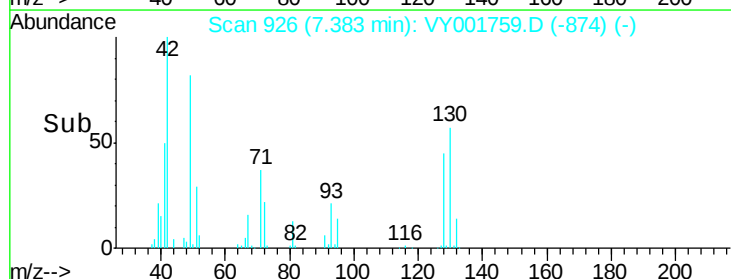
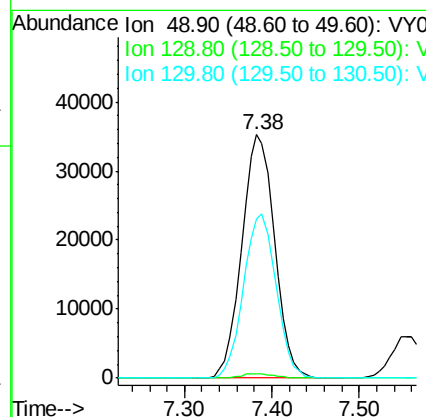
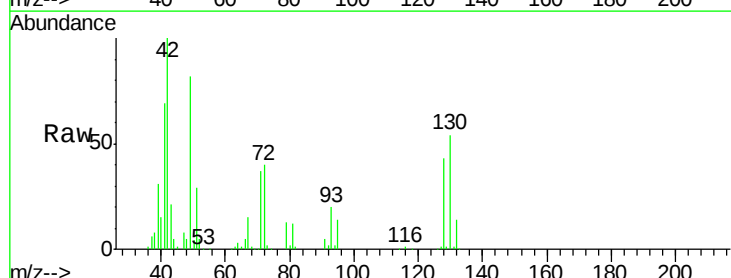
MMDadoda
2/24/2020 11:09:41 AM

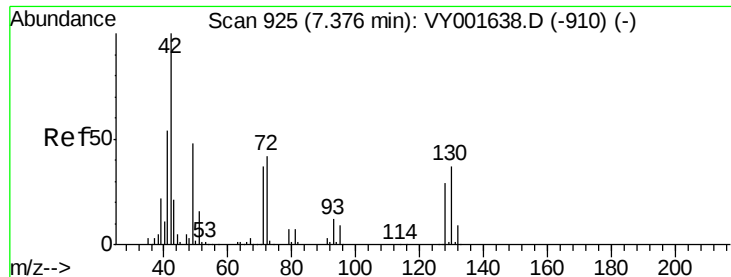


#28

Bromochloromethane
Concen: 61.449 ug/l
RT: 7.38 min Scan# 926
Delta R.T. 0.02 min
Lab File: VY001759.D
Acq: 21 Feb 2020 21:23

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.8	0.0	3.6	
130	67.0	56.2	84.4	





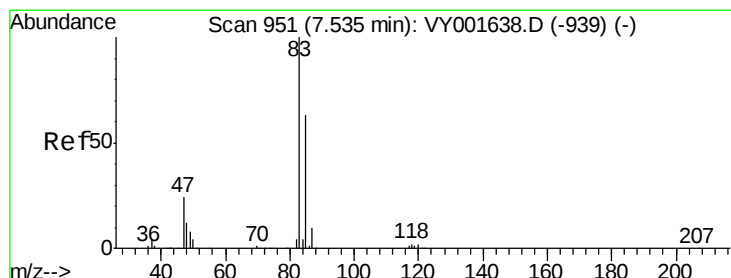
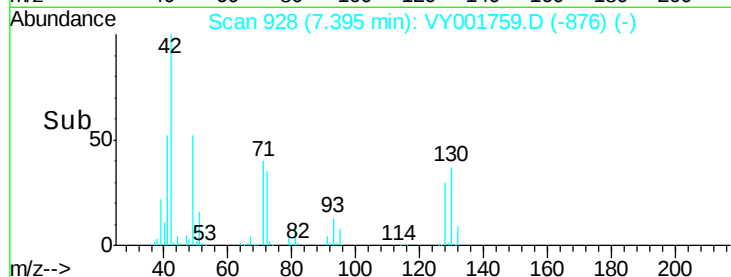
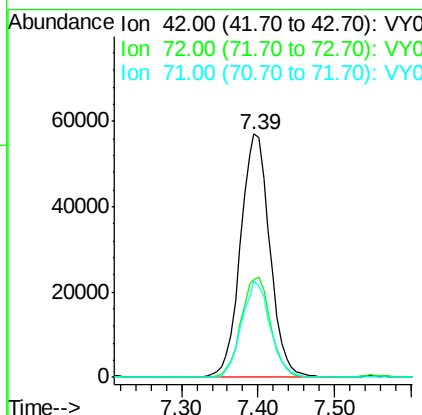
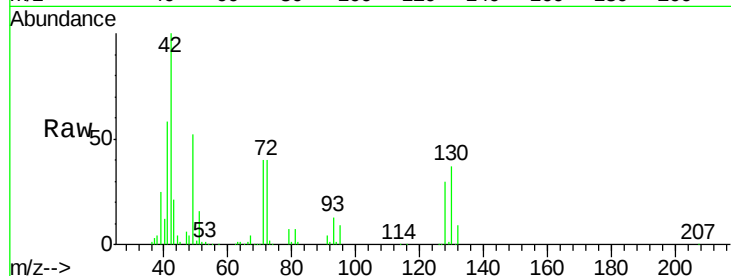
#29
Tetrahydrofuran
Concen: 294.205 ug/l
RT: 7.39 min Scan# 928
Delta R.T. 0.02 min
Lab File: VY001759.D
Acq: 21 Feb 2020 21:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion:	42	Resp:	152091
Ion Ratio		Lower	Upper
42	100		
72	41.5	34.4	51.6
71	38.4	31.8	47.8

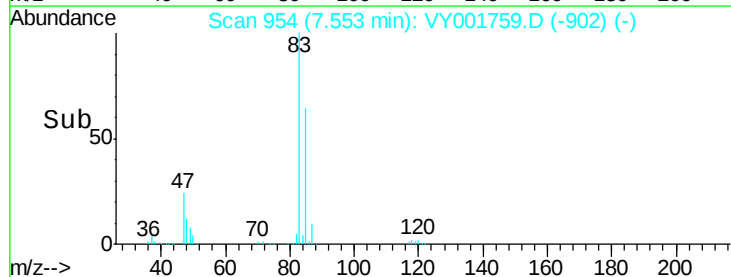
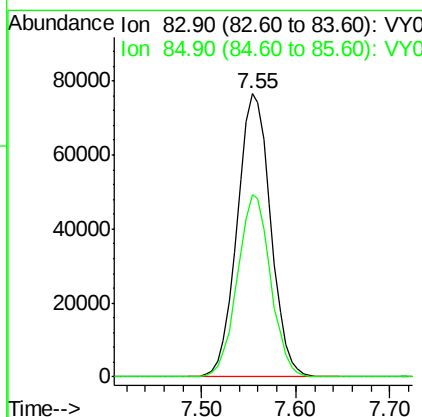
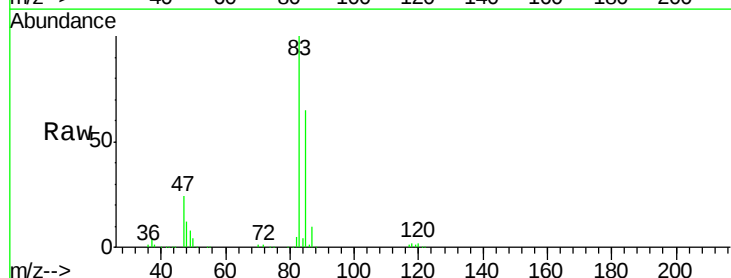
Manual Integrations
APPROVED

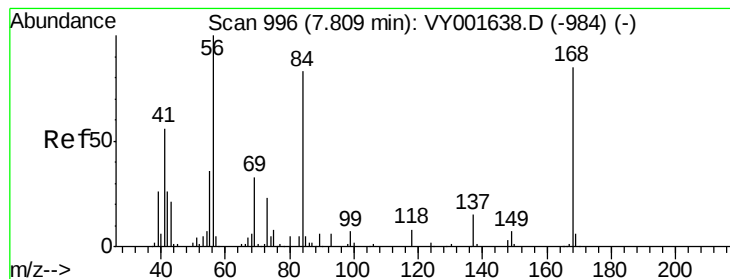
MMDadoda
2/24/2020 11:09:41 AM



#30
Chloroform
Concen: 54.228 ug/l
RT: 7.55 min Scan# 954
Delta R.T. 0.02 min
Lab File: VY001759.D
Acq: 21 Feb 2020 21:23

Tgt Ion:	83	Resp:	189981
Ion Ratio		Lower	Upper
83	100		
85	64.6	51.6	77.4





#31

Cvclohexane

Concen: 49.084 ug/l

RT: 7.83 min Scan# 999

Delta R.T. 0.02 min

Lab File: VY001759.D

Acq: 21 Feb 2020 21:23

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 187639

Ion Ratio Lower Upper

56 100

69 32.0 25.1 37.7

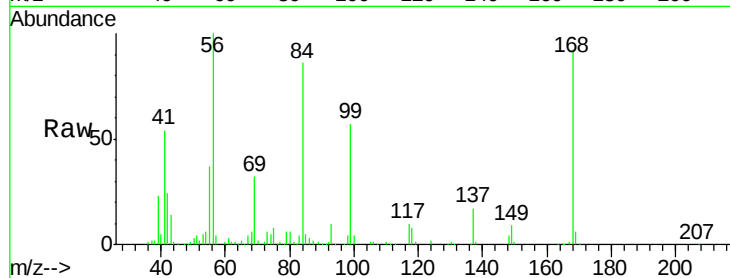
84 84.1 66.9 100.3

Manual Integrations

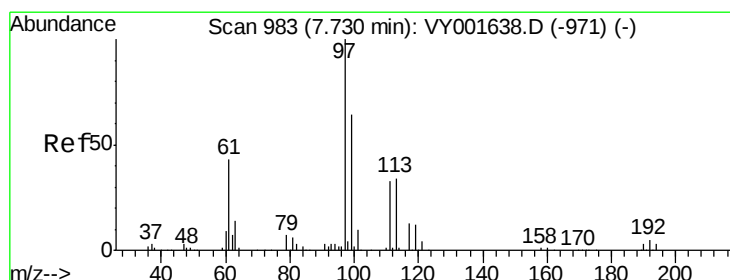
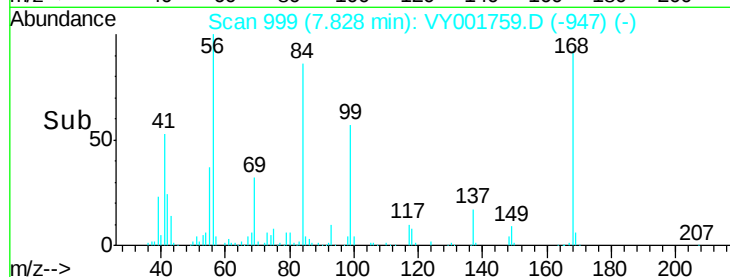
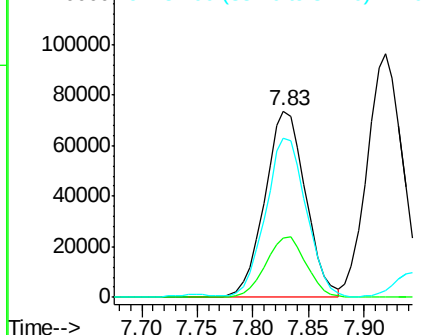
APPROVED

MMDadoda

2/24/2020 11:09:41 AM



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



#32

1,1,1-Trichloroethane

Concen: 52.385 ug/l

RT: 7.75 min Scan# 986

Delta R.T. 0.02 min

Lab File: VY001759.D

Acq: 21 Feb 2020 21:23

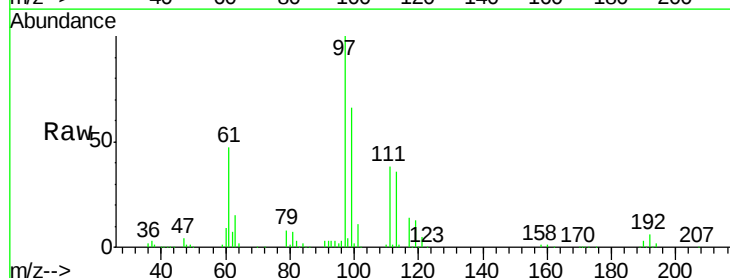
Tgt Ion: 97 Resp: 154244

Ion Ratio Lower Upper

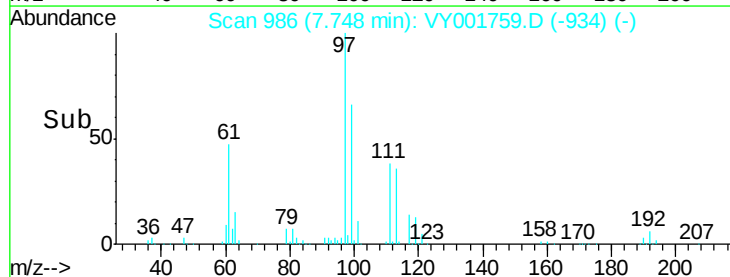
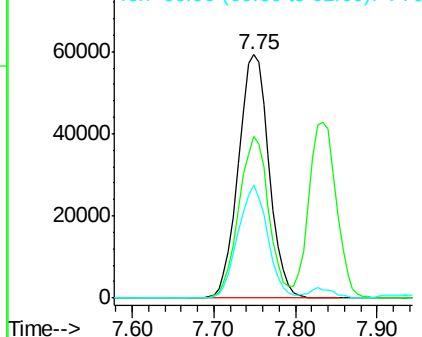
97 100

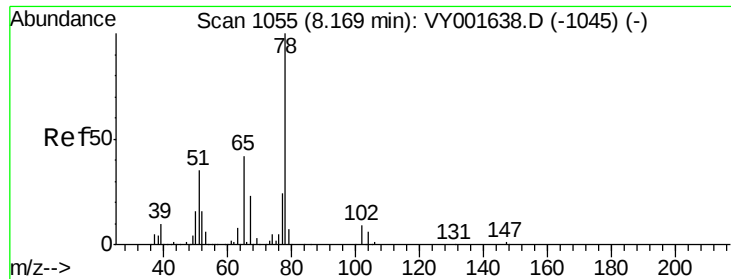
99 64.7 51.2 76.8

61 45.1 35.0 52.6



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





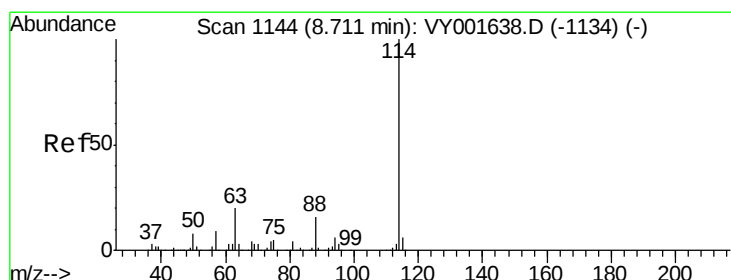
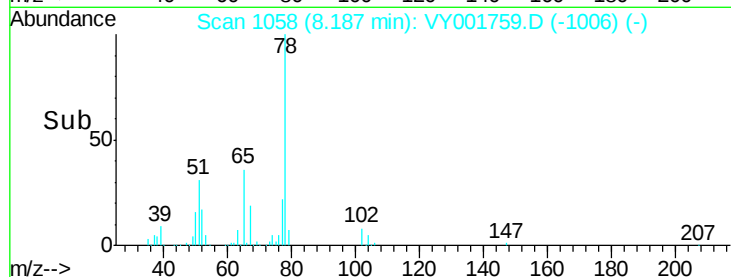
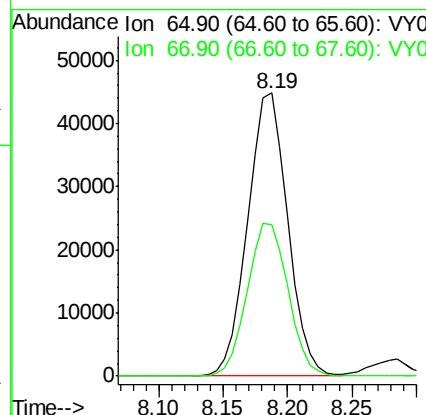
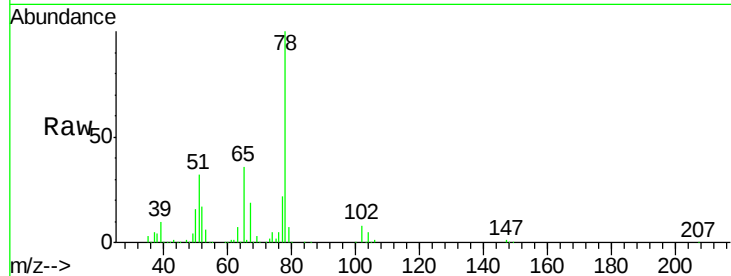
#33
 1,2-Dichloroethane-d4
 Concen: 52.976 ug/l
 RT: 8.19 min Scan# 1058
 Delta R.T. 0.02 min
 Lab File: VY001759.D
 Acq: 21 Feb 2020 21:23

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	55.3	0.0	111.0	

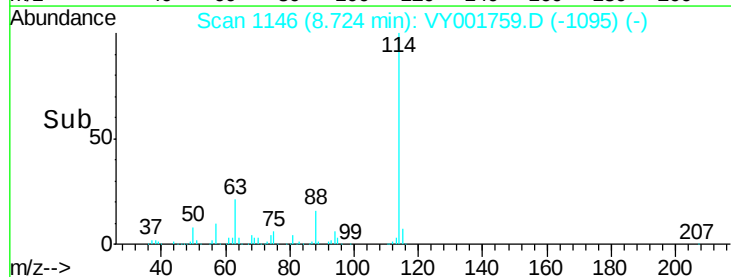
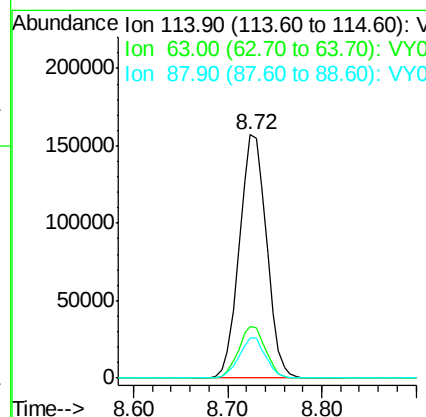
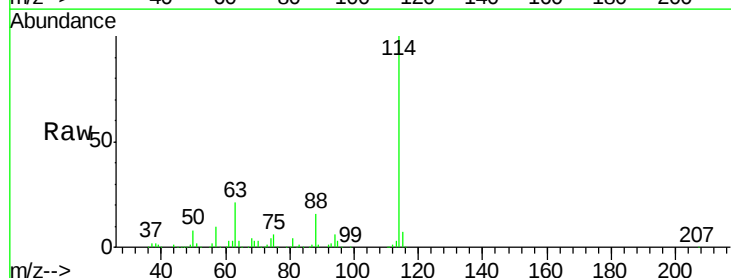
Manual Integrations
 APPROVED

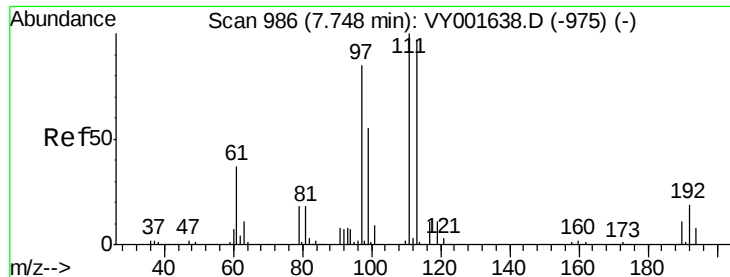
MMDadoda
 2/24/2020 11:09:41 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.72 min Scan# 1146
 Delta R.T. 0.01 min
 Lab File: VY001759.D
 Acq: 21 Feb 2020 21:23

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	21.1	0.0	41.4	
88	16.3	0.0	32.8	





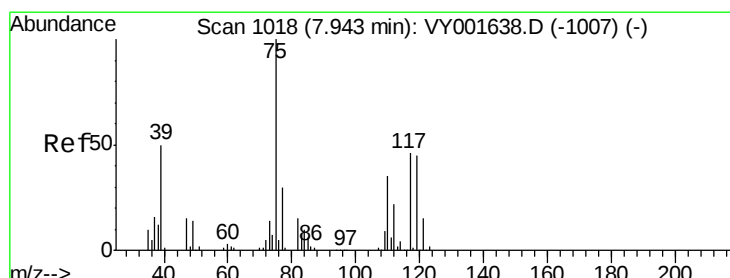
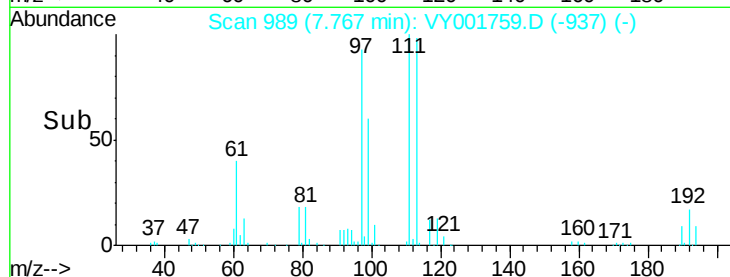
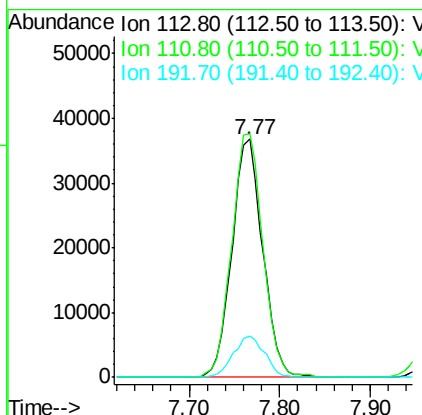
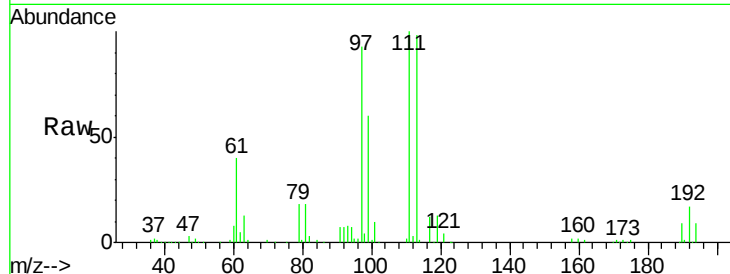
#35
 Dibromofluoromethane
 Concen: 47.862 ug/l
 RT: 7.77 min Scan# 989
 Delta R.T. 0.02 min
 Lab File: VY001759.D
 Acq: 21 Feb 2020 21:23

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.1	81.9	122.9
192	17.7	14.3	21.5

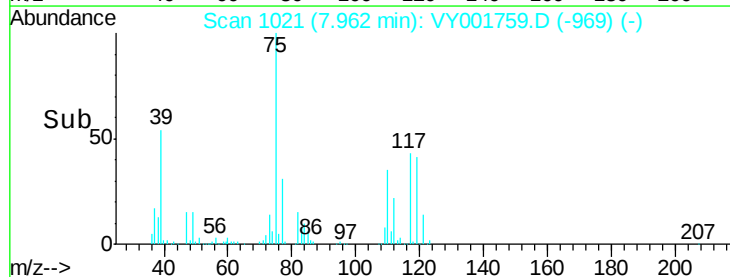
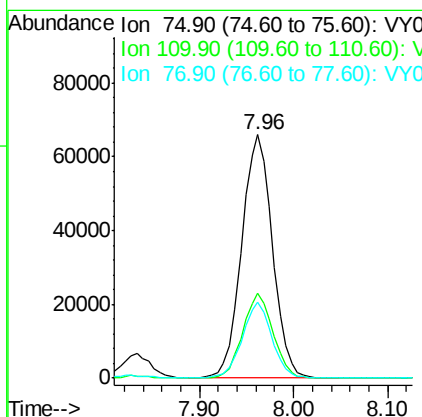
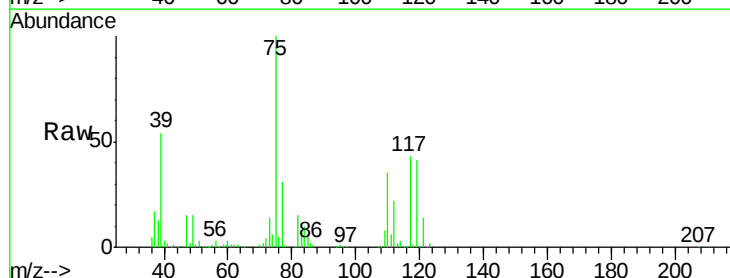
Manual Integrations
 APPROVED

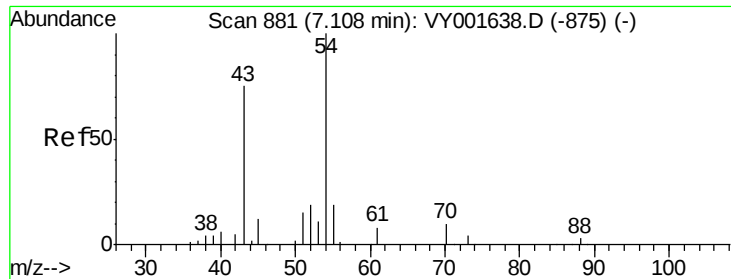
MMDadoda
 2/24/2020 11:09:41 AM



#36
 1,1-Dichloropropene
 Concen: 50.003 ug/l
 RT: 7.96 min Scan# 1021
 Delta R.T. 0.02 min
 Lab File: VY001759.D
 Acq: 21 Feb 2020 21:23

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.3	17.2	51.6
77	30.2	24.8	37.2





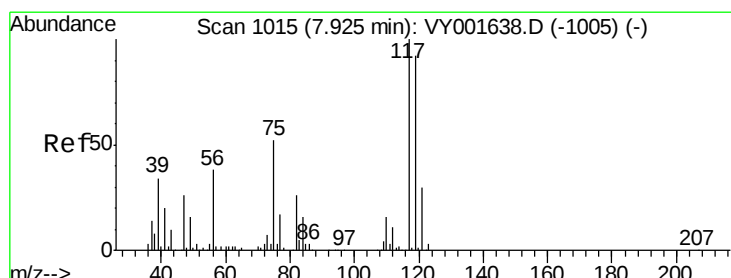
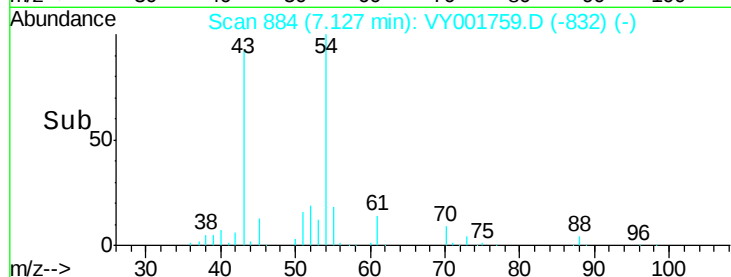
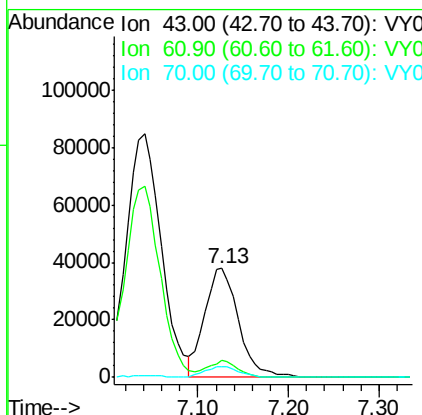
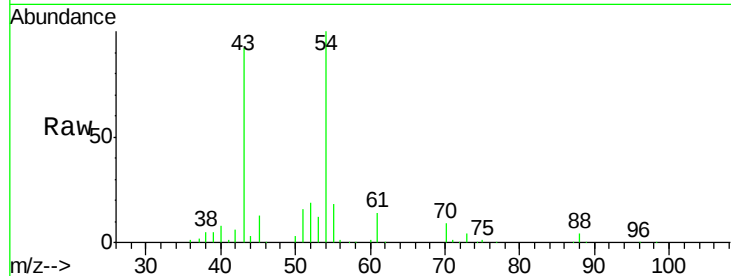
#37
Ethyl Acetate
Concen: 55.259 ug/l
RT: 7.13 min Scan# 884
Delta R.T. 0.02 min
Lab File: VY001759.D
Acq: 21 Feb 2020 21:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.8	11.0	16.6
70	10.3	8.8	13.2

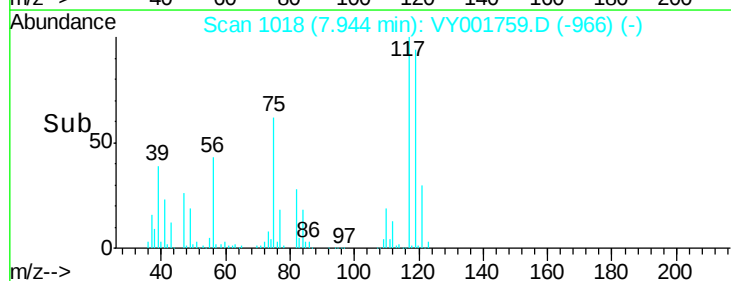
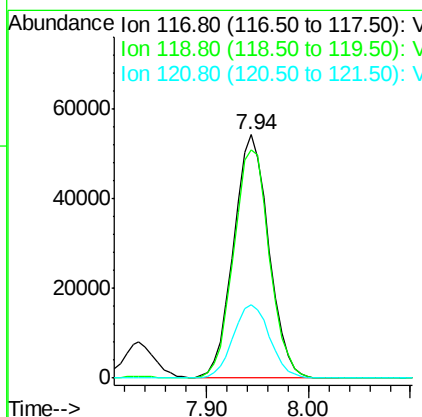
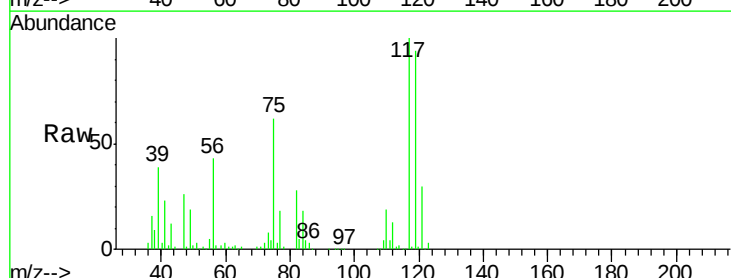
Manual Integrations
APPROVED

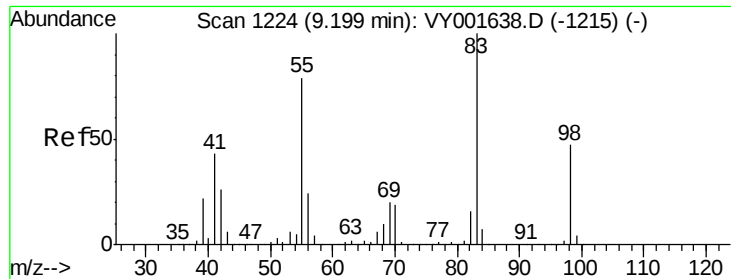
MMDadoda
2/24/2020 11:09:41 AM



#38
Carbon Tetrachloride
Concen: 49.252 ug/l
RT: 7.94 min Scan# 1018
Delta R.T. 0.02 min
Lab File: VY001759.D
Acq: 21 Feb 2020 21:23

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.7	74.8	112.2
121	30.3	23.8	35.6





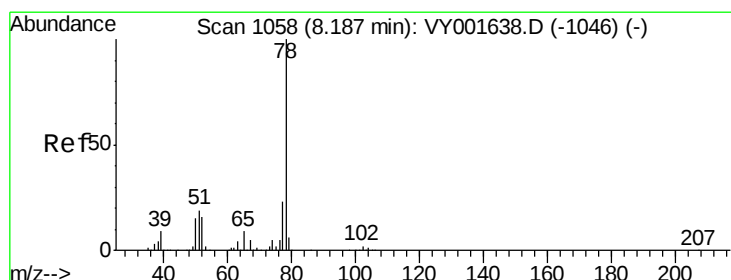
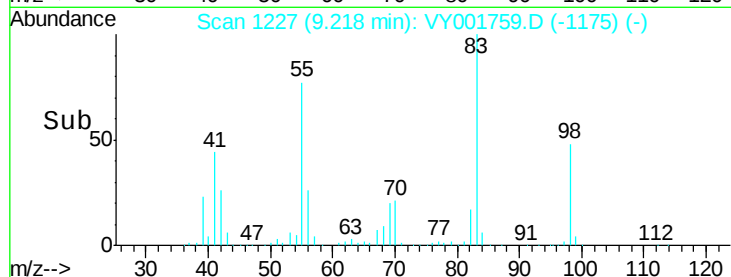
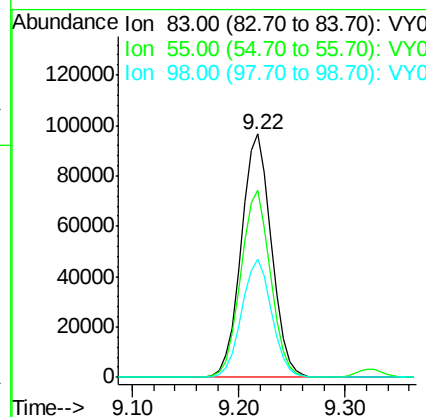
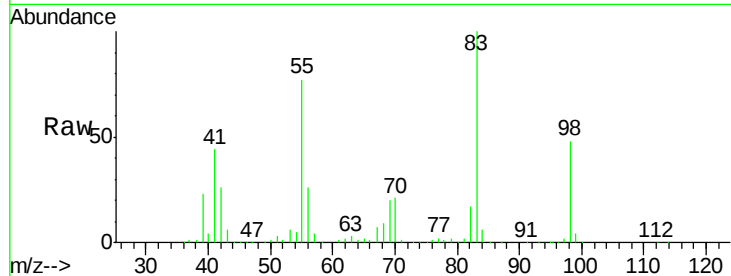
#39
Methvlcvclohexane
Concen: 48.208 ug/l
RT: 9.22 min Scan# 1227
Delta R.T. 0.02 min
Lab File: VY001759.D
Acq: 21 Feb 2020 21:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	192728		
55	76.8	61.3	91.9	
98	48.4	38.0	57.0	

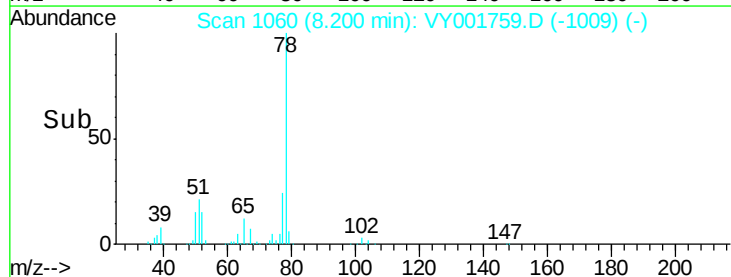
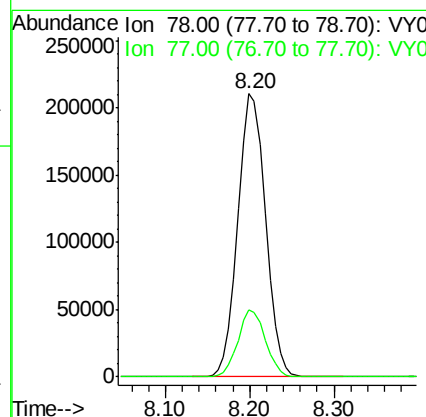
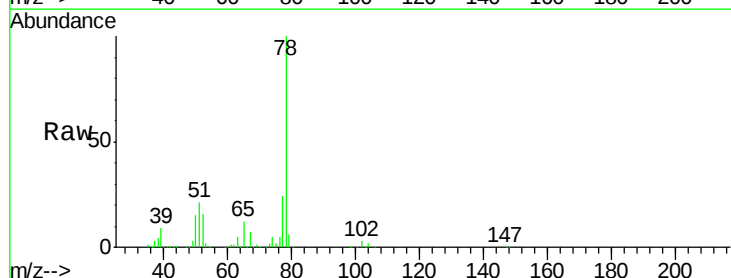
Manual Integrations
APPROVED

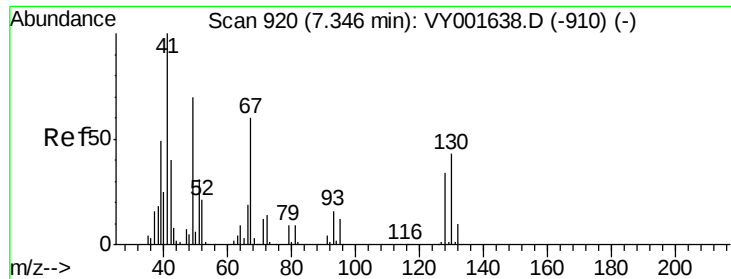
MMDadoda
2/24/2020 11:09:41 AM



#40
Benzene
Concen: 52.698 ug/l
RT: 8.20 min Scan# 1060
Delta R.T. 0.01 min
Lab File: VY001759.D
Acq: 21 Feb 2020 21:23

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	467046		
77	23.5	18.2	27.4	





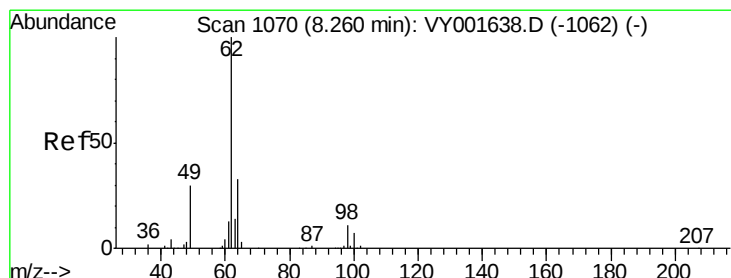
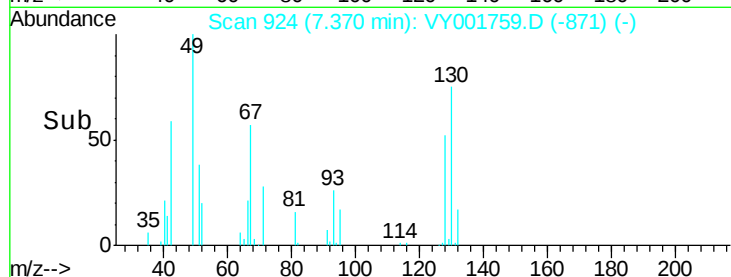
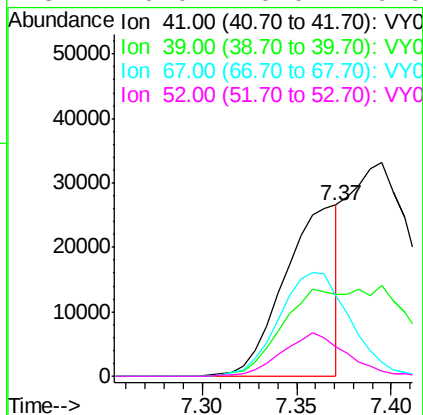
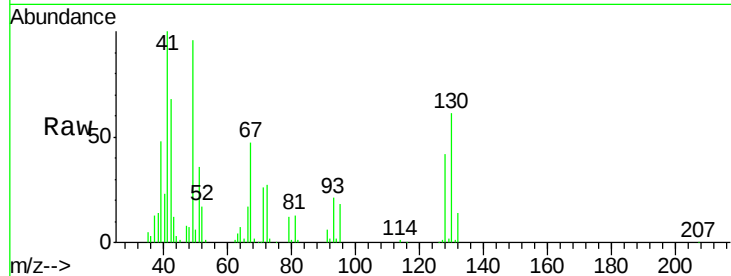
#41
Methacrylonitrile
Concen: 58.461 ug/l m
RT: 7.37 min Scan# 924
Delta R.T. 0.03 min
Lab File: VY001759.D
Acq: 21 Feb 2020 21:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	41	Resp	52795
Ion Ratio	Lower	Upper	
41	100		
39	0.0	36.0	54.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

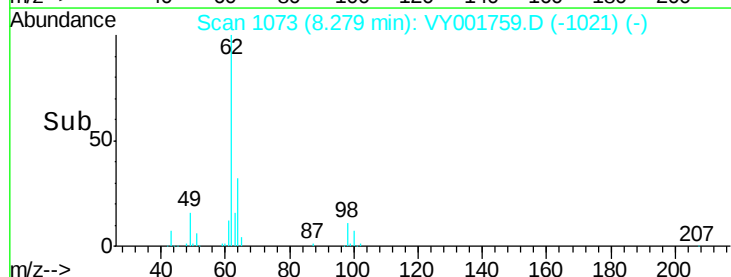
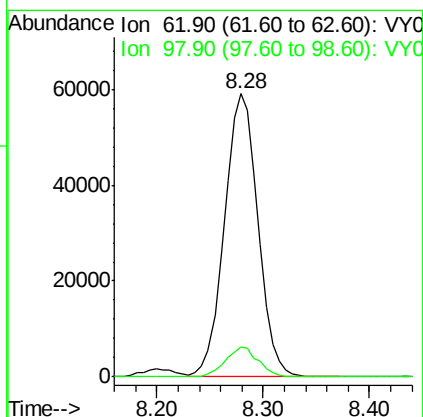
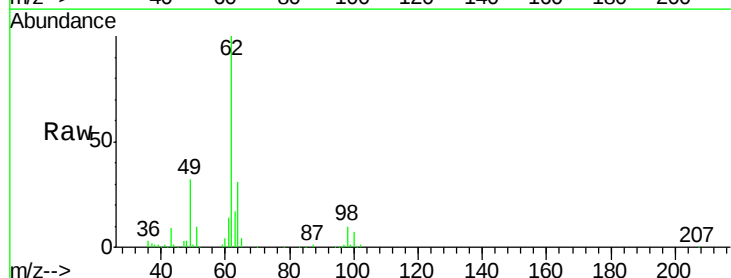
Manual Integrations
APPROVED

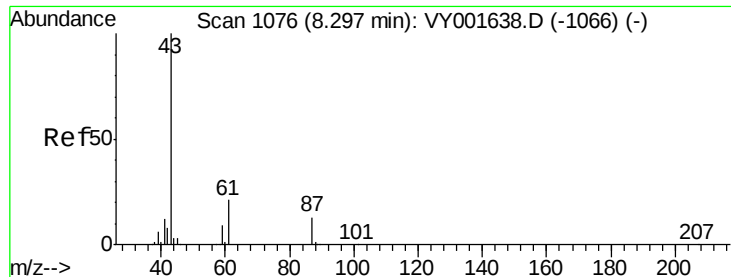
MMDadoda
2/24/2020 11:09:41 AM



#42
1,2-Dichloroethane
Concen: 53.768 ug/l
RT: 8.28 min Scan# 1073
Delta R.T. 0.02 min
Lab File: VY001759.D
Acq: 21 Feb 2020 21:23

Tgt Ion	62	Resp	129820
Ion Ratio	Lower	Upper	
62	100		
98	10.2	0.0	20.8





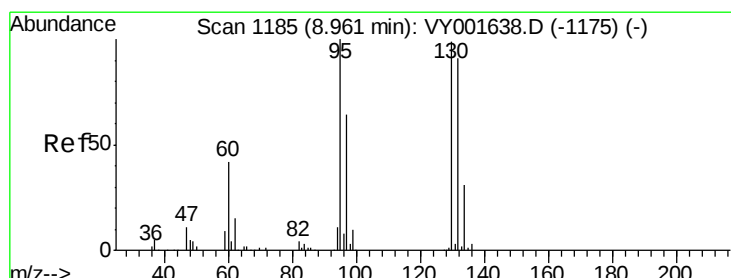
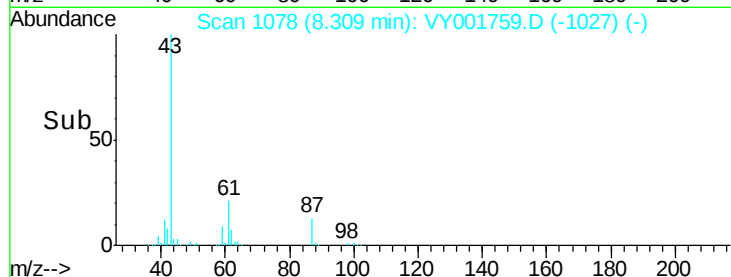
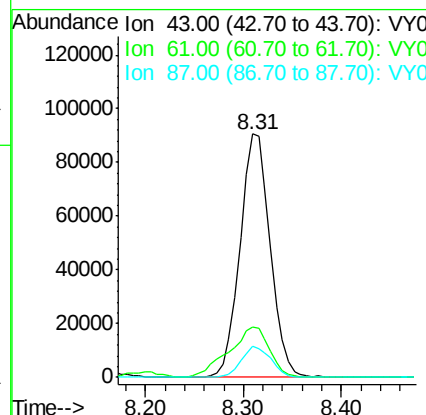
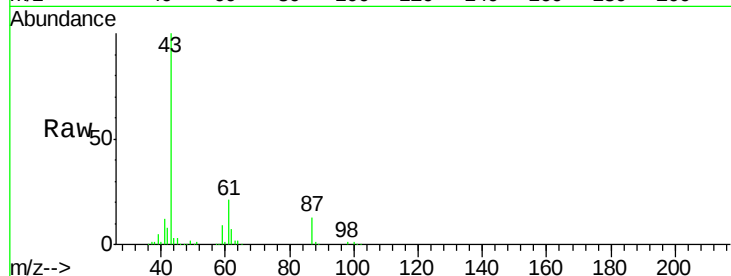
#43
Isopropyl Acetate
Concen: 56.724 ug/l
RT: 8.31 min Scan# 1078
Delta R.T. 0.01 min
Lab File: VY001759.D
Acq: 21 Feb 2020 21:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.8	23.0	34.4
87	12.5	10.7	16.1

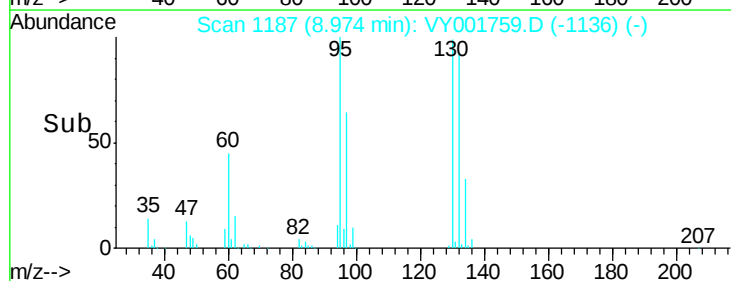
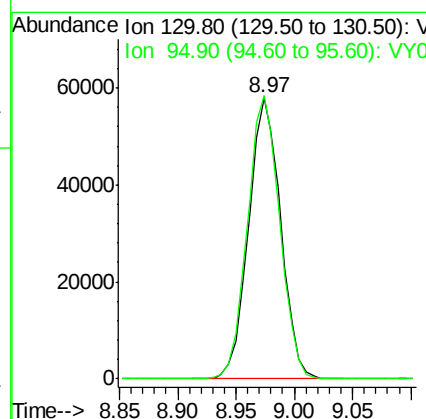
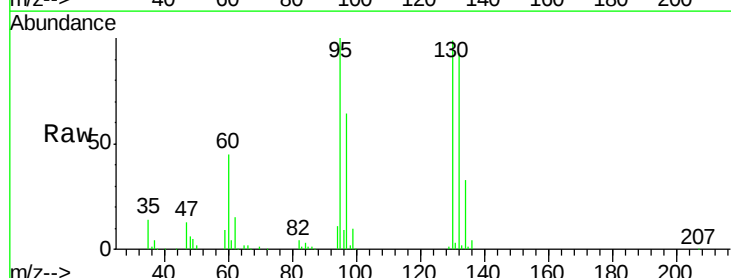
Manual Integrations
APPROVED

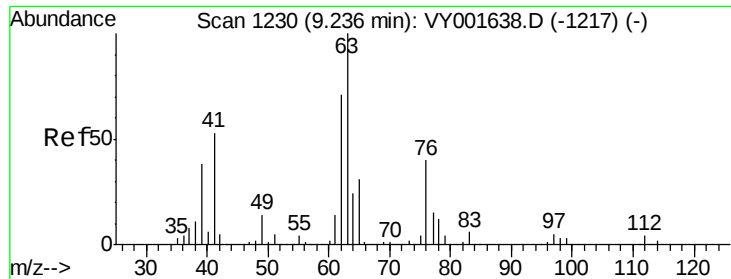
MMDadoda
2/24/2020 11:09:41 AM



#44
Trichloroethene
Concen: 50.251 ug/l
RT: 8.97 min Scan# 1187
Delta R.T. 0.01 min
Lab File: VY001759.D
Acq: 21 Feb 2020 21:23

Tgt Ion	Ratio	Lower	Upper
130	100		
95	100.7	0.0	200.6





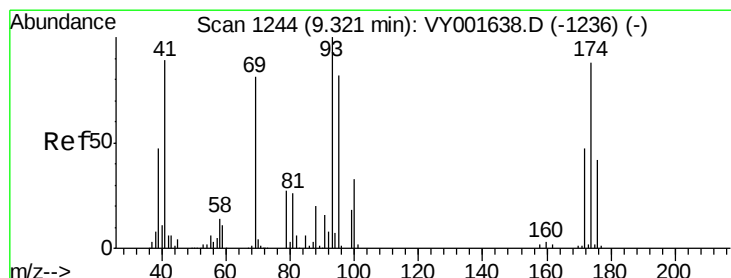
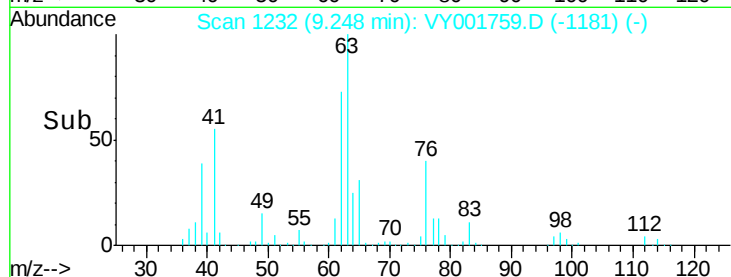
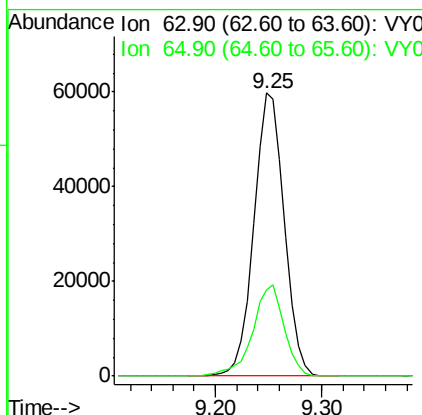
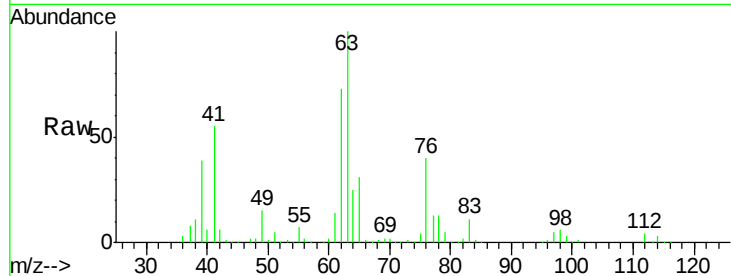
#45
 1,2-Dichloropropane
 Concen: 53.906 ug/l
 RT: 9.25 min Scan# 1232
 Delta R.T. 0.01 min
 Lab File: VY001759.D
 Acq: 21 Feb 2020 21:23

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 119647
 Ion Ratio Lower Upper
 63 100
 65 30.5 24.6 37.0

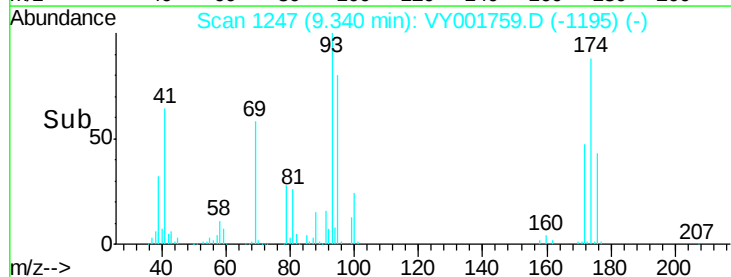
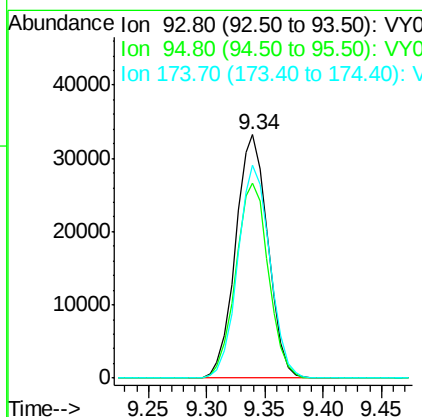
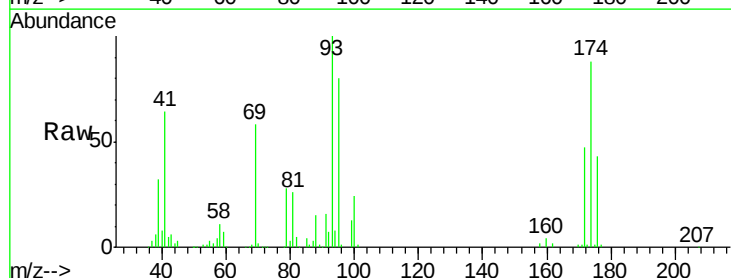
Manual Integrations
 APPROVED

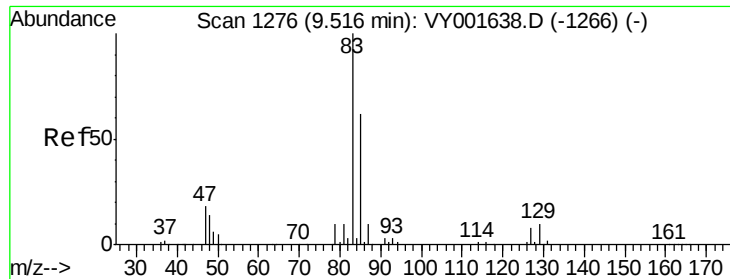
MMDadoda
 2/24/2020 11:09:41 AM



#46
 Dibromomethane
 Concen: 55.262 ug/l
 RT: 9.34 min Scan# 1247
 Delta R.T. 0.02 min
 Lab File: VY001759.D
 Acq: 21 Feb 2020 21:23

Tgt Ion: 93 Resp: 64155
 Ion Ratio Lower Upper
 93 100
 95 81.0 66.1 99.1
 174 87.1 72.5 108.7





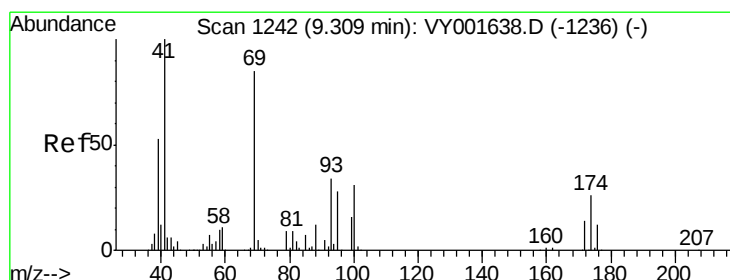
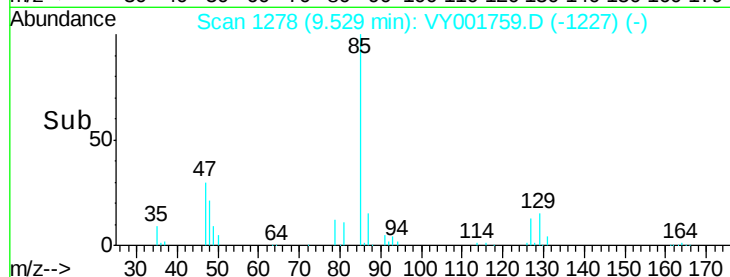
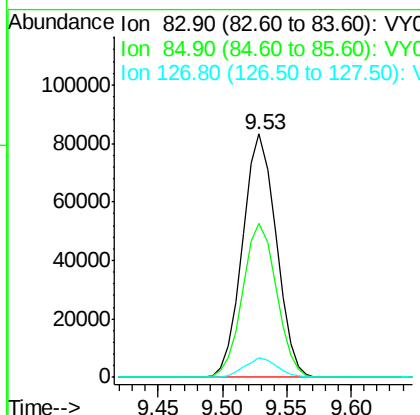
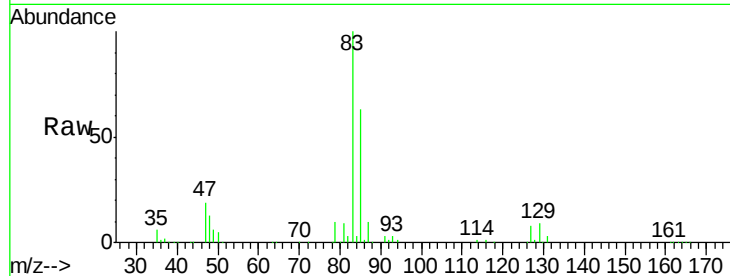
#47
Bromodichloromethane
Concen: 53.543 ug/l
RT: 9.53 min Scan# 1278
Delta R.T. 0.01 min
Lab File: VY001759.D
Acq: 21 Feb 2020 21:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	63.5	51.4	77.0	
127	8.3	6.4	9.6	

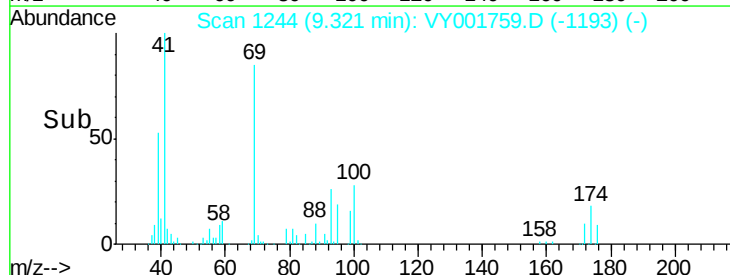
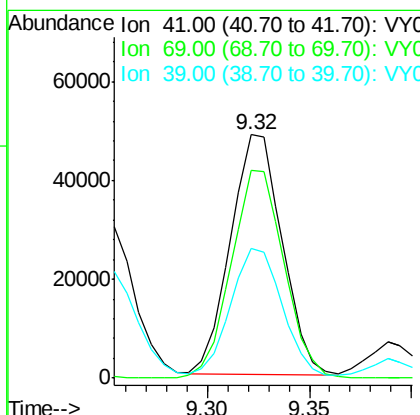
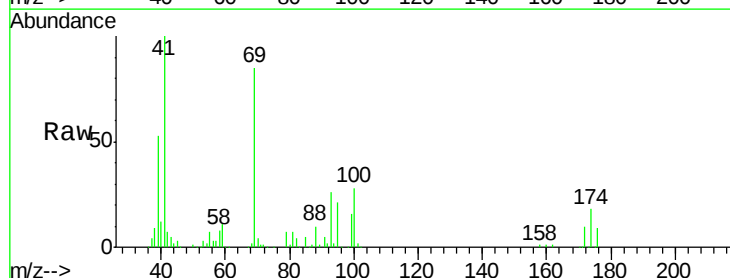
Manual Integrations
APPROVED

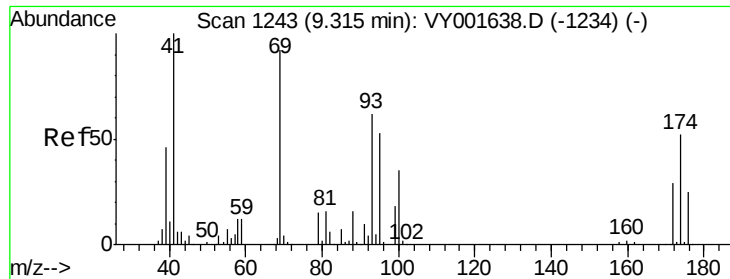
MMDadoda
2/24/2020 11:09:41 AM



#48
Methyl methacrylate
Concen: 55.411 ug/l
RT: 9.32 min Scan# 1244
Delta R.T. 0.01 min
Lab File: VY001759.D
Acq: 21 Feb 2020 21:23

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	88.5	70.7	106.1	
39	52.2	42.2	63.2	





#49

1,4-Dioxane

Concen: 989.954 ug/l

RT: 9.33 min Scan# 1246

Delta R.T. 0.02 min

Lab File: VY001759.D

Acq: 21 Feb 2020 21:23

Instrument :

MSVOA_Y

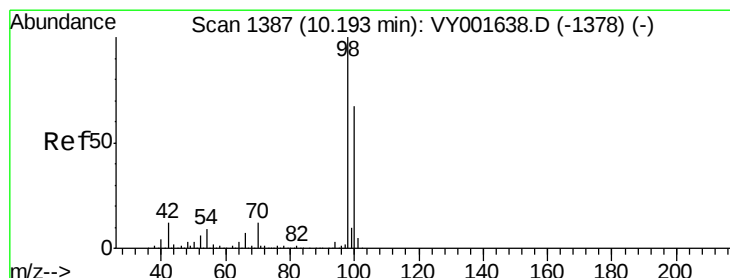
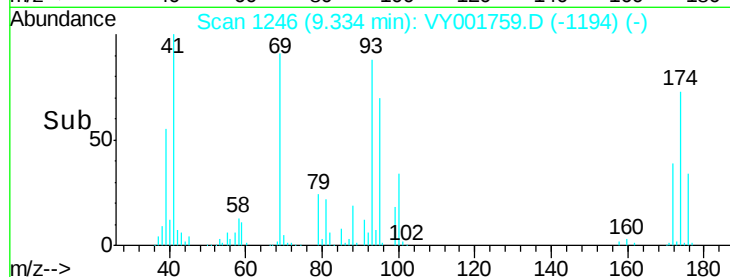
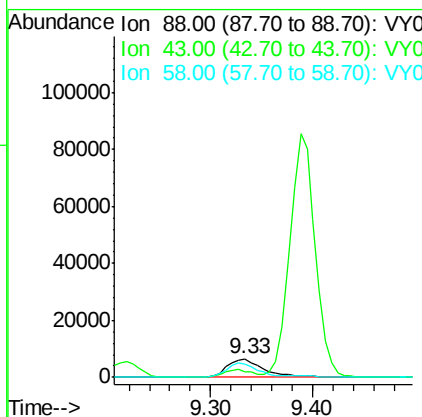
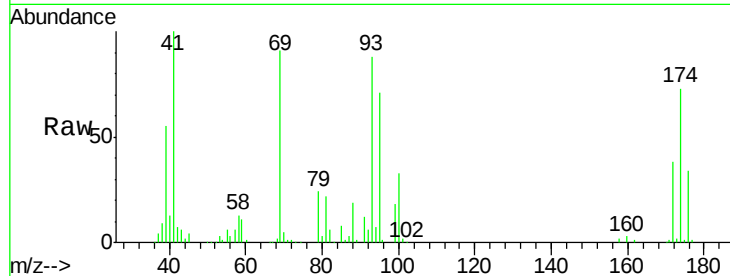
ClientSampleId :

VSTDCCC050EC

Tot Ion:	88	Resp:	16232
Ion	Ratio	Lower	Upper
88	100		
43	34.3	23.1	34.7
58	67.2	58.1	87.1

Manual Integrations
APPROVED

MMDadoda
2/24/2020 11:09:41 AM



#50

Toluene-d8

Concen: 50.251 ug/l

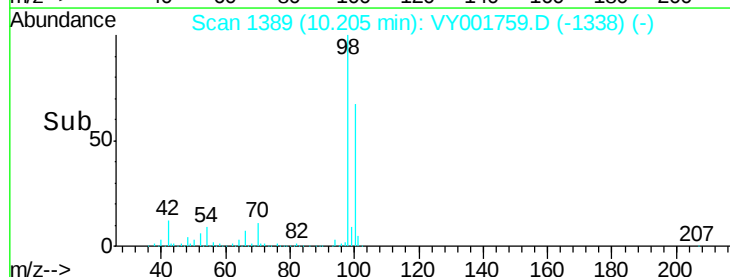
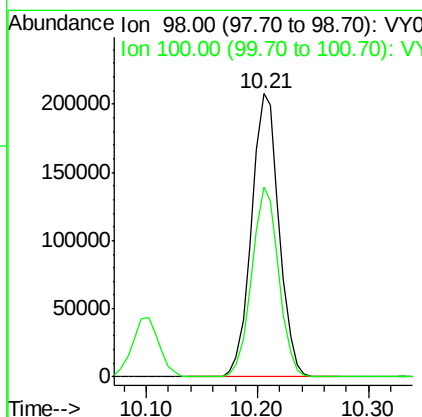
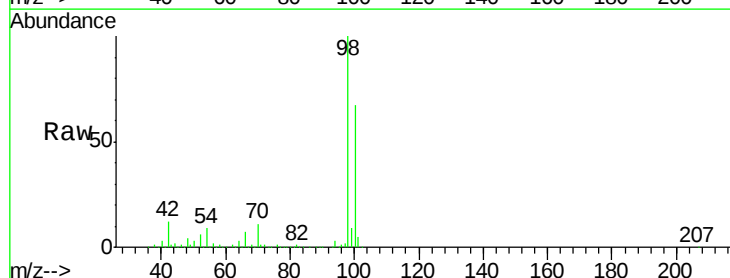
RT: 10.21 min Scan# 1389

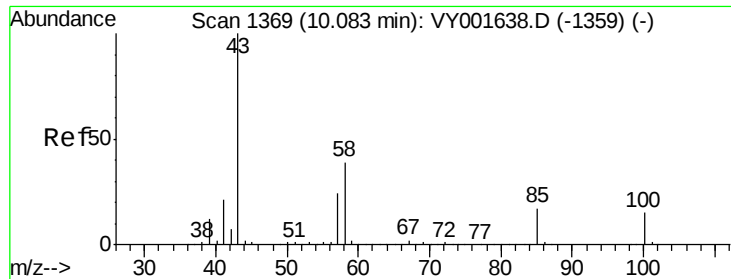
Delta R.T. 0.01 min

Lab File: VY001759.D

Acq: 21 Feb 2020 21:23

Tgt Ion:	98	Resp:	355725
Ion	Ratio	Lower	Upper
98	100		
100	65.9	53.0	79.4





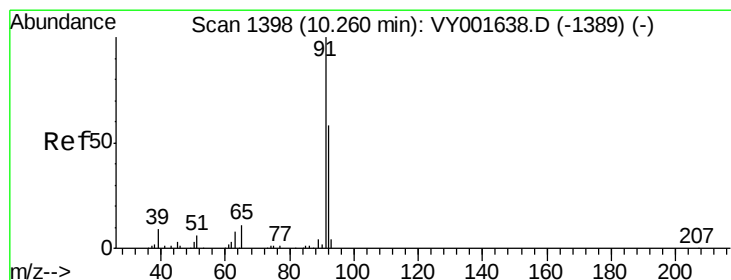
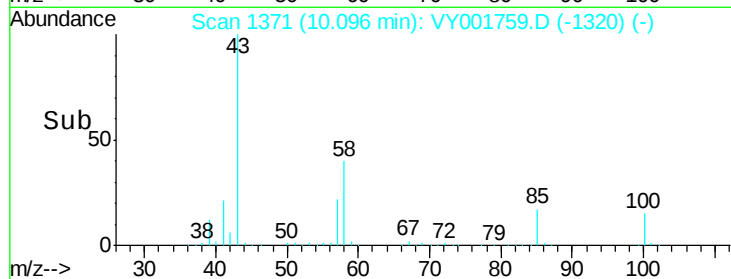
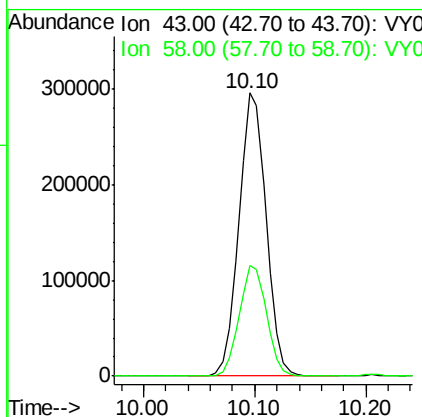
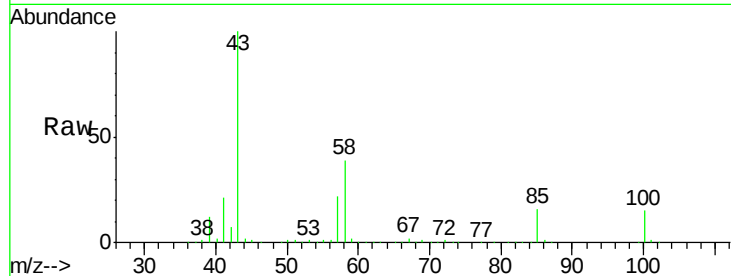
#51
4-Methyl-2-Pentanone
Concen: 285.400 ug/l
RT: 10.10 min Scan# 1371
Delta R.T. 0.01 min
Lab File: VY001759.D
Acq: 21 Feb 2020 21:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.4	32.2	48.4

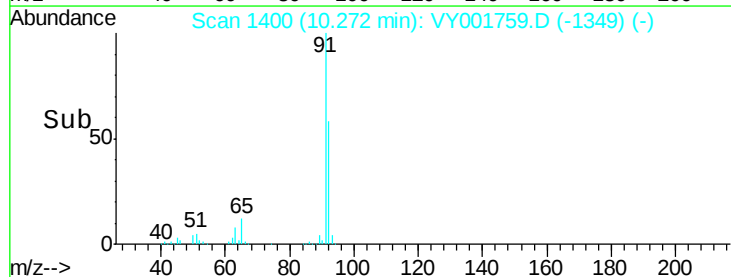
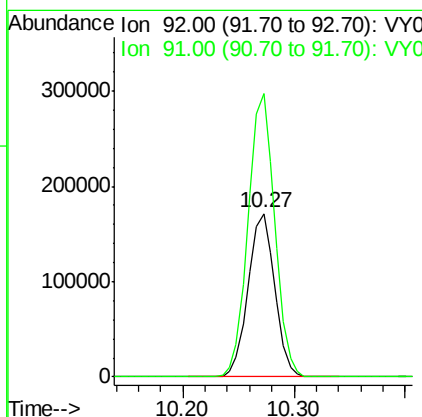
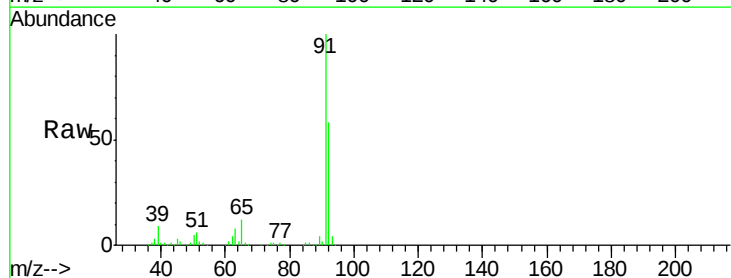
Manual Integrations
APPROVED

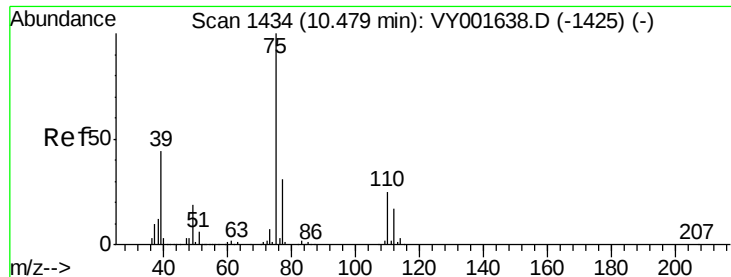
MMDadoda
2/24/2020 11:09:41 AM



#52
Toluene
Concen: 51.616 ug/l
RT: 10.27 min Scan# 1400
Delta R.T. 0.01 min
Lab File: VY001759.D
Acq: 21 Feb 2020 21:23

Tgt Ion	Ratio	Lower	Upper
92	100		
91	173.6	137.0	205.6





#53

t-1,3-Dichloropropene

Concen: 53.388 ug/l

RT: 10.49 min Scan# 1436

Delta R.T. 0.01 min

Lab File: VY001759.D

Acq: 21 Feb 2020 21:23

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 165367

Ion Ratio Lower Upper

75 100

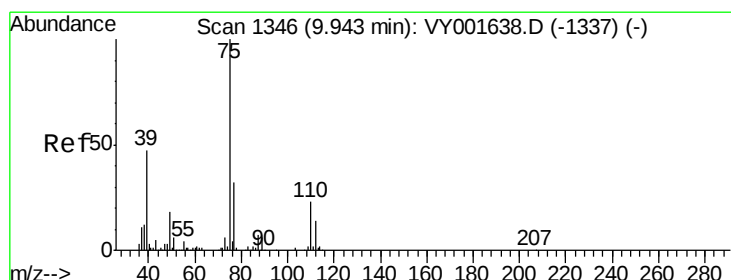
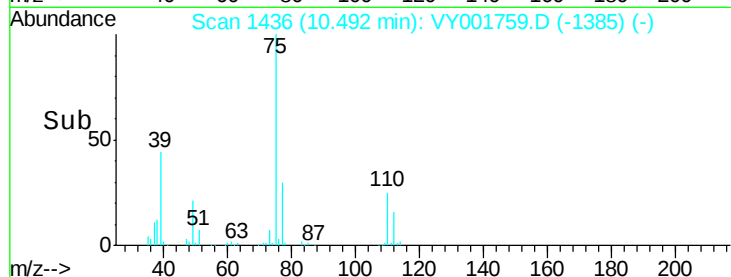
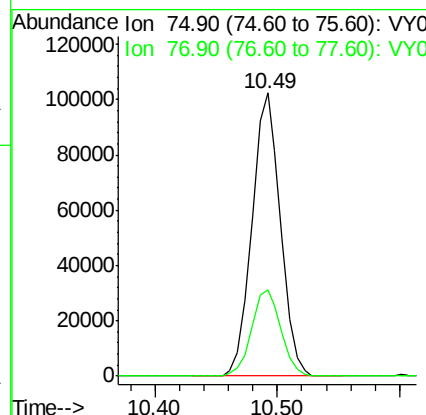
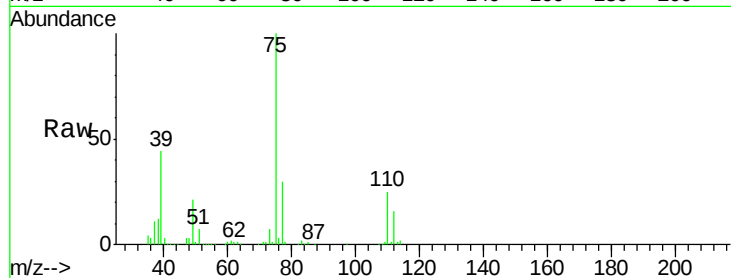
77 30.4 25.2 37.8

Manual Integrations

APPROVED

MMDadoda

2/24/2020 11:09:41 AM



#54

cis-1,3-Dichloropropene

Concen: 53.014 ug/l

RT: 9.96 min Scan# 1348

Delta R.T. 0.01 min

Lab File: VY001759.D

Acq: 21 Feb 2020 21:23

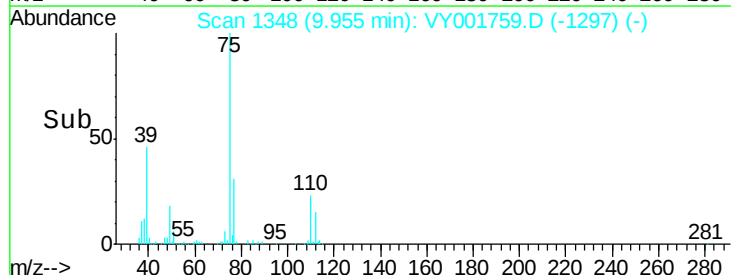
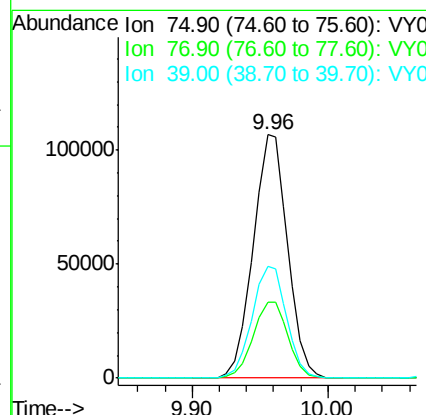
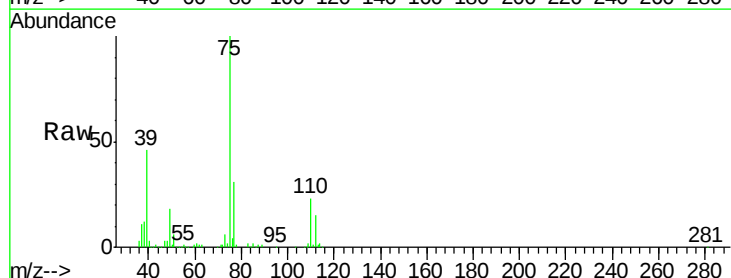
Tgt Ion: 75 Resp: 188993

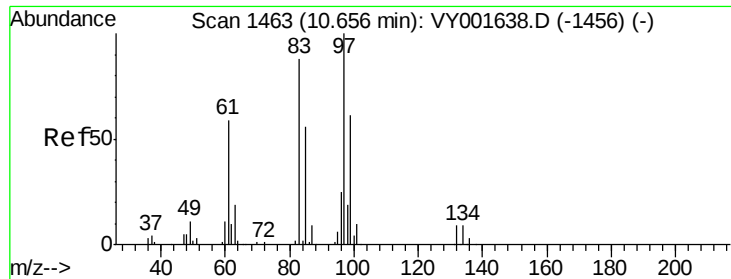
Ion Ratio Lower Upper

75 100

77 31.4 25.7 38.5

39 46.1 35.7 53.5





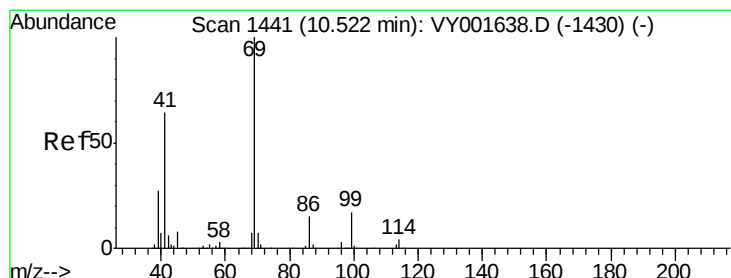
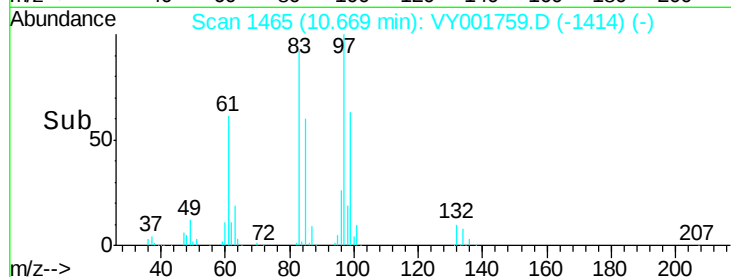
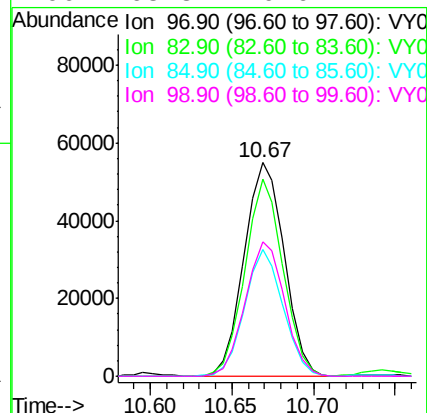
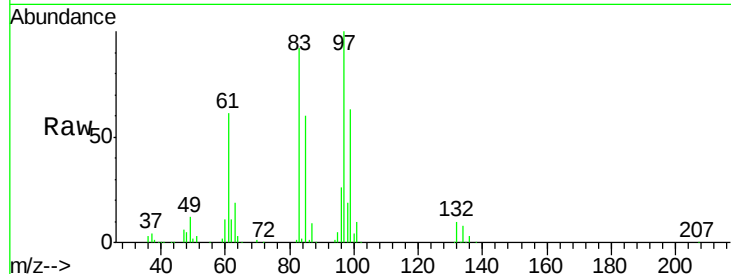
#55
 1,1,2-Trichloroethane
 Concen: 54.860 ug/l
 RT: 10.67 min Scan# 1465
 Delta R.T. 0.01 min
 Lab File: VY001759.D
 Acq: 21 Feb 2020 21:23

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
97	100		
83	92.3	69.7	104.5
85	59.6	44.5	66.7
99	63.3	49.6	74.4

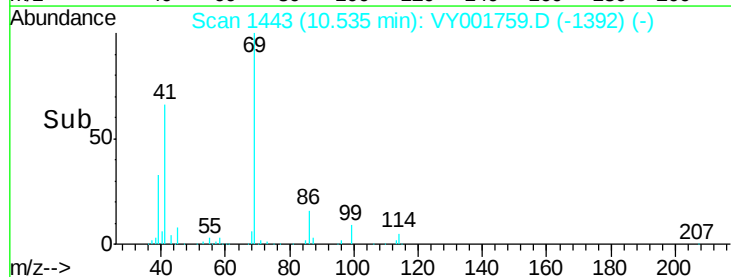
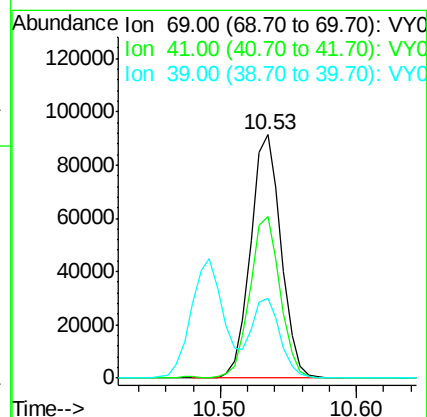
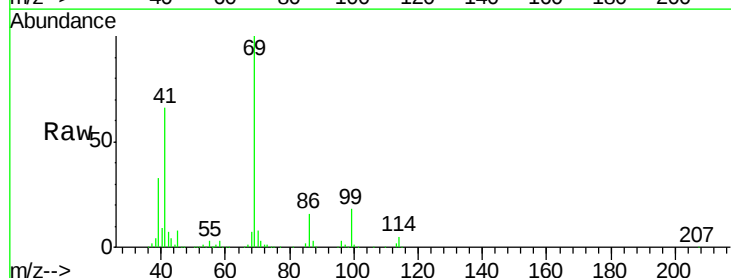
Manual Integrations
 APPROVED

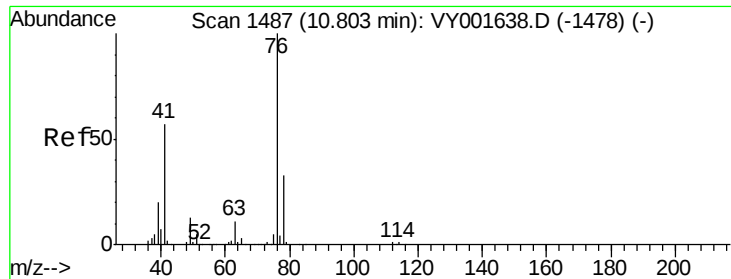
MMDadoda
 2/24/2020 11:09:41 AM



#56
 Ethyl methacrylate
 Concen: 55.841 ug/l
 RT: 10.53 min Scan# 1443
 Delta R.T. 0.01 min
 Lab File: VY001759.D
 Acq: 21 Feb 2020 21:23

Tgt Ion	Ratio	Lower	Upper
69	100		
41	65.7	51.0	76.4
39	29.9	24.7	37.1





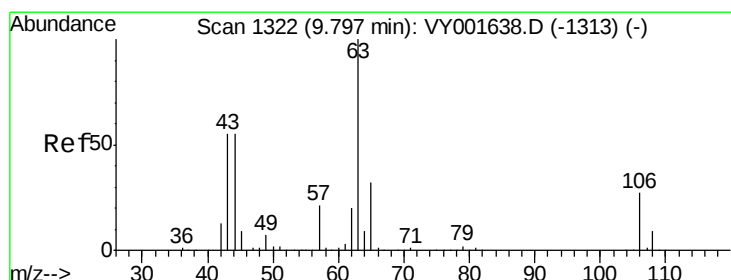
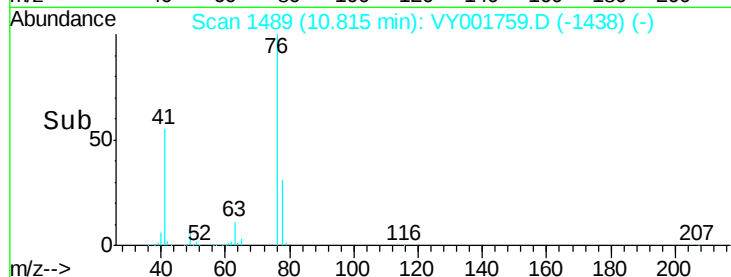
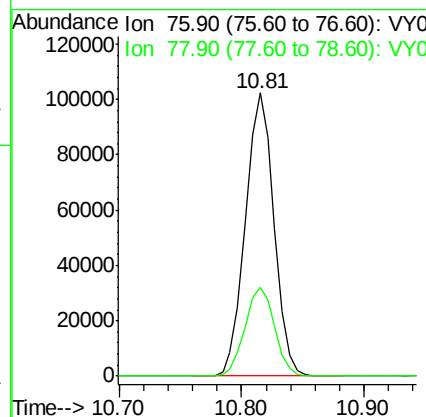
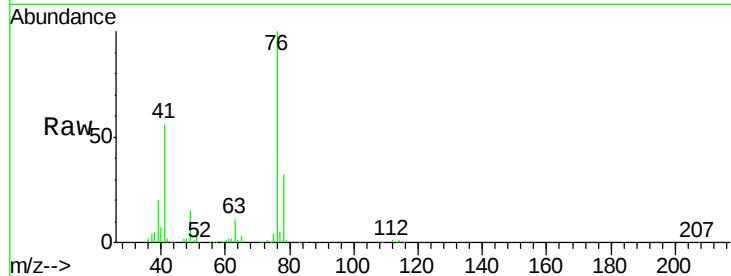
#57
 1,3-Dichloropropane
 Concen: 54.467 ug/l
 RT: 10.81 min Scan# 1489
 Delta R.T. 0.01 min
 Lab File: VY001759.D
 Acq: 21 Feb 2020 21:23

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 165666
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.7 38.5

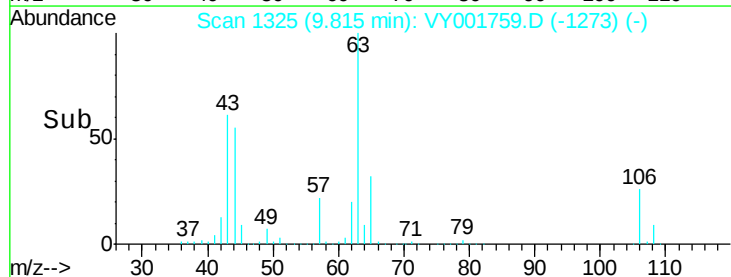
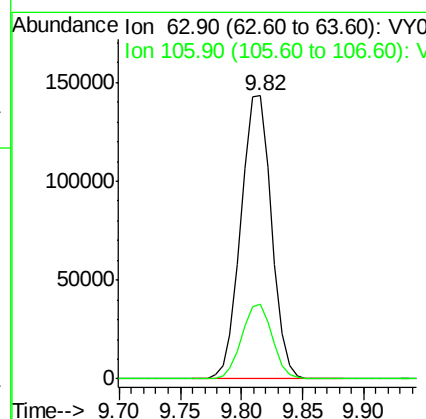
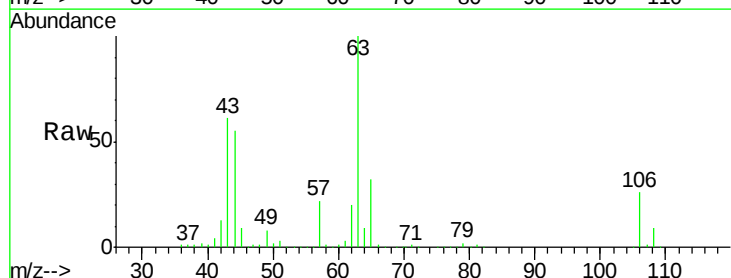
Manual Integrations
 APPROVED

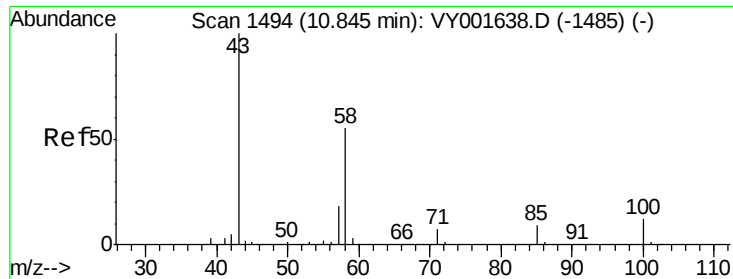
MMDadoda
 2/24/2020 11:09:41 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 257.294 ug/l
 RT: 9.82 min Scan# 1325
 Delta R.T. 0.02 min
 Lab File: VY001759.D
 Acq: 21 Feb 2020 21:23

Tgt Ion: 63 Resp: 247949
 Ion Ratio Lower Upper
 63 100
 106 26.2 21.6 32.4





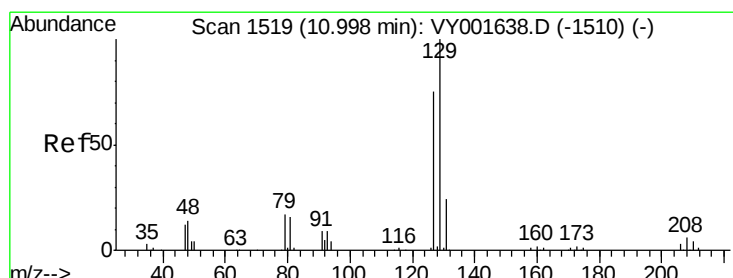
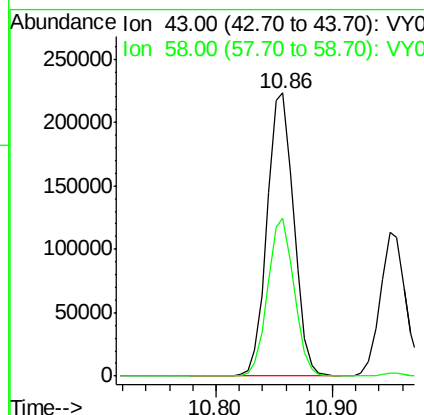
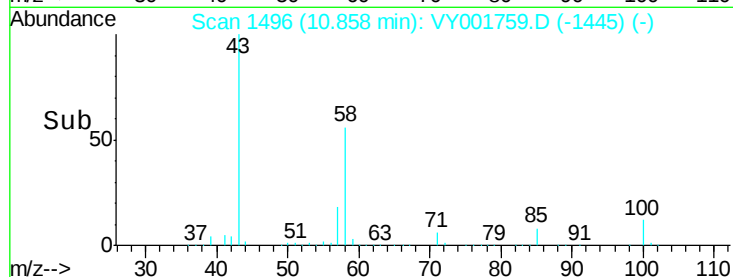
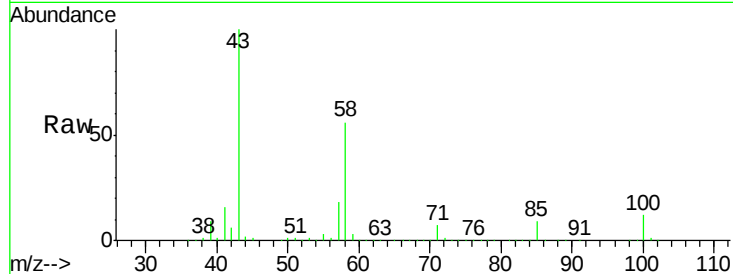
#59
2-Hexanone
Concen: 268.370 ug/l
RT: 10.86 min Scan# 1496
Delta R.T. 0.01 min
Lab File: VY001759.D
Acq: 21 Feb 2020 21:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 353053
Ion Ratio Lower Upper
43 100
58 55.0 28.4 85.2

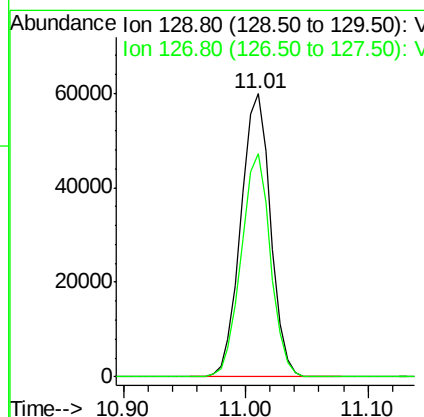
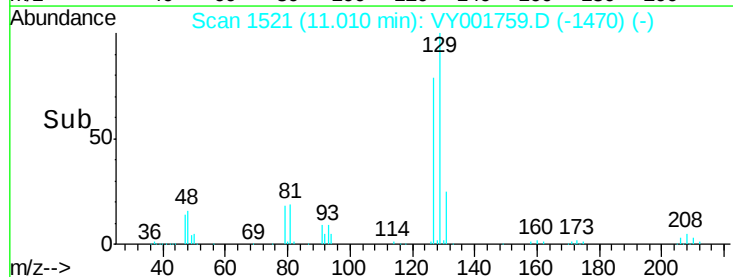
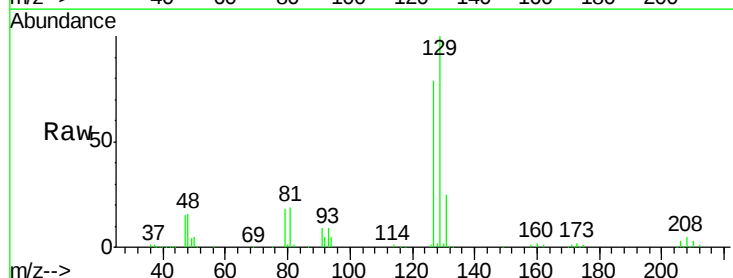
Manual Integrations
APPROVED

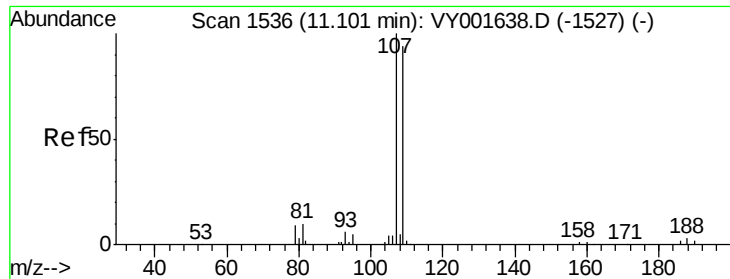
MMDadoda
2/24/2020 11:09:41 AM



#60
Dibromochloromethane
Concen: 53.331 ug/l
RT: 11.01 min Scan# 1521
Delta R.T. 0.01 min
Lab File: VY001759.D
Acq: 21 Feb 2020 21:23

Tgt Ion: 129 Resp: 100651
Ion Ratio Lower Upper
129 100
127 77.7 38.9 116.6





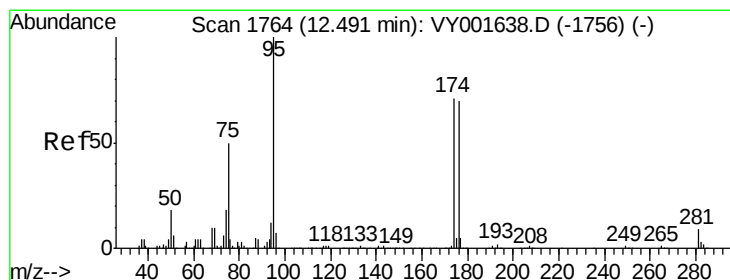
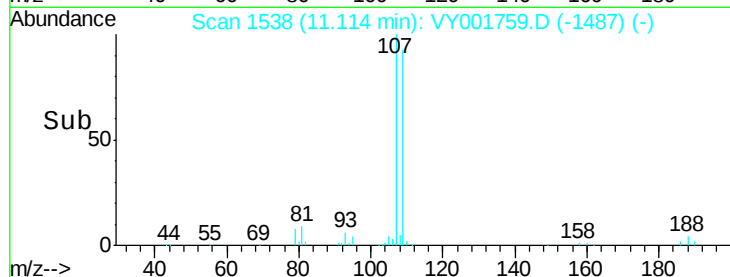
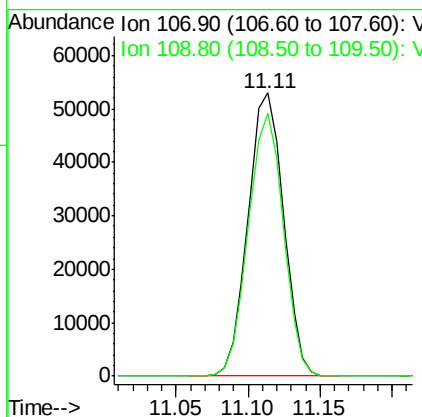
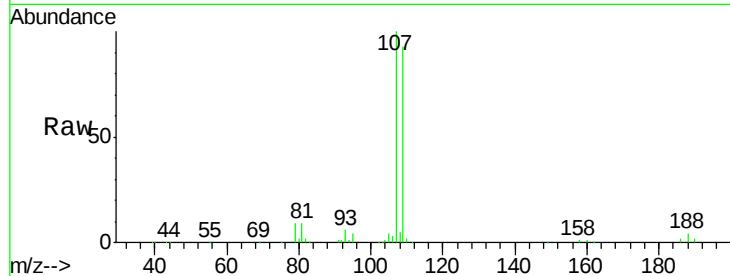
#61
 1,2-Dibromoethane
 Concen: 55.864 ug/l
 RT: 11.11 min Scan# 1538
 Delta R.T. 0.01 min
 Lab File: VY001759.D
 Acq: 21 Feb 2020 21:23

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 107 Resp: 90419
 Ion Ratio Lower Upper
 107 100
 109 91.8 74.2 111.4

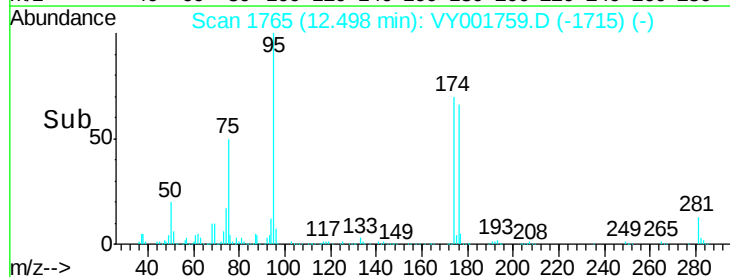
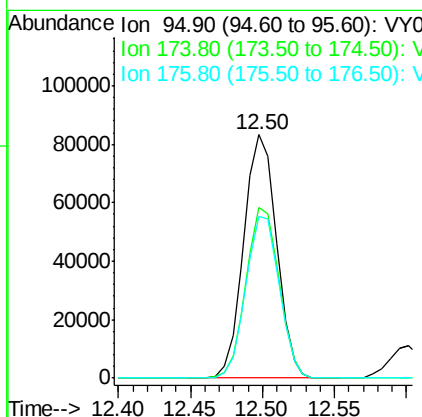
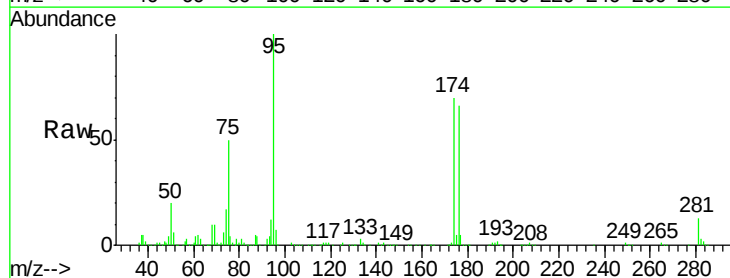
Manual Integrations
 APPROVED

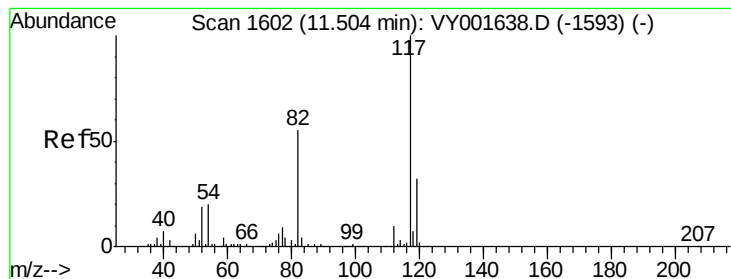
MMDadoda
 2/24/2020 11:09:41 AM



#62
 4-Bromofluorobenzene
 Concen: 47.634 ug/l
 RT: 12.50 min Scan# 1765
 Delta R.T. 0.01 min
 Lab File: VY001759.D
 Acq: 21 Feb 2020 21:23

Tgt Ion: 95 Resp: 131000
 Ion Ratio Lower Upper
 95 100
 174 70.8 0.0 138.4
 176 67.8 0.0 131.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.51 min Scan# 1603

Delta R.T. 0.01 min

Lab File: VY001759.D

Acq: 21 Feb 2020 21:23

Instrument :

MSVOA_Y

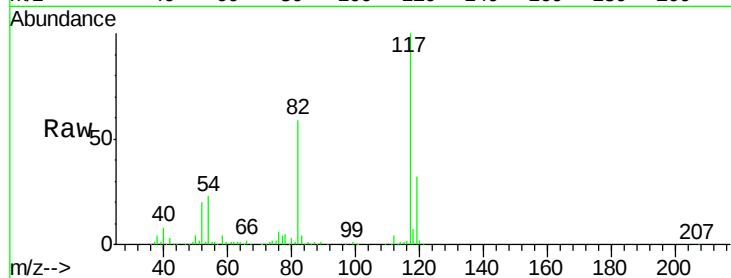
ClientSampleId :

VSTDCCC050EC

Tot Ion:	117	Resp:	288325
Ion Ratio	Lower	Upper	
117	100		
82	58.9	45.5	68.3
119	31.7	25.8	38.6

Manual Integrations
APPROVED

MMDadoda
2/24/2020 11:09:41 AM

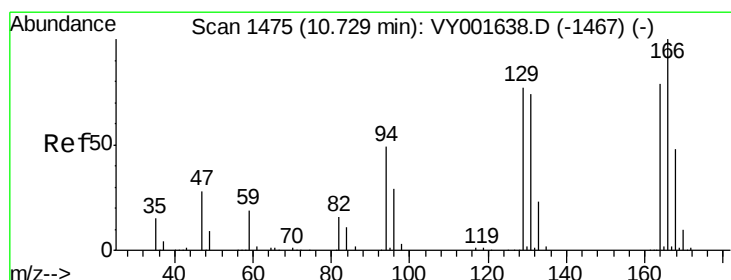
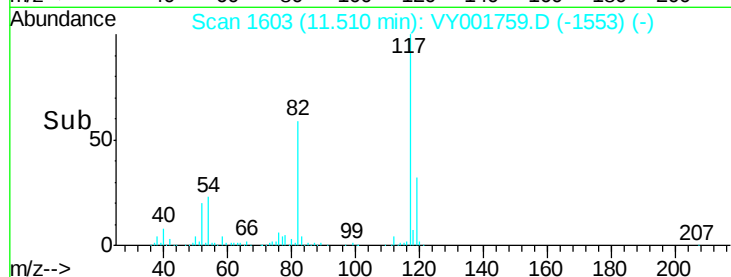
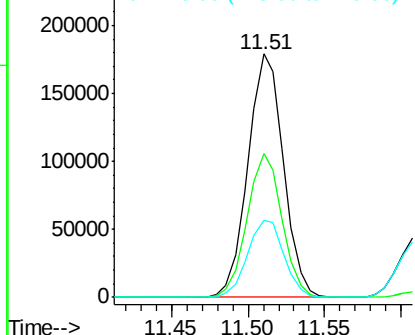


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 49.555 ug/l

RT: 10.74 min Scan# 1477

Delta R.T. 0.01 min

Lab File: VY001759.D

Acq: 21 Feb 2020 21:23

Tgt Ion:	164	Resp:	89693
Ion Ratio	Lower	Upper	
164	100		
166	126.1	101.4	152.0
129	100.0	78.7	118.1
131	94.5	76.0	114.0

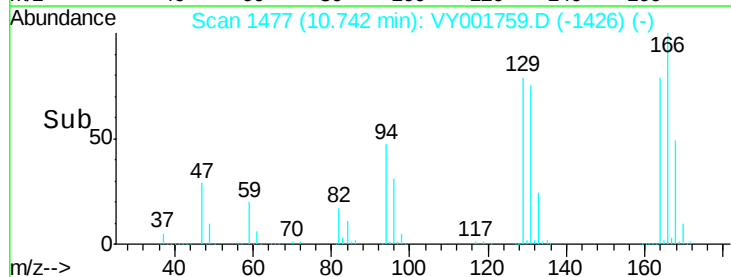
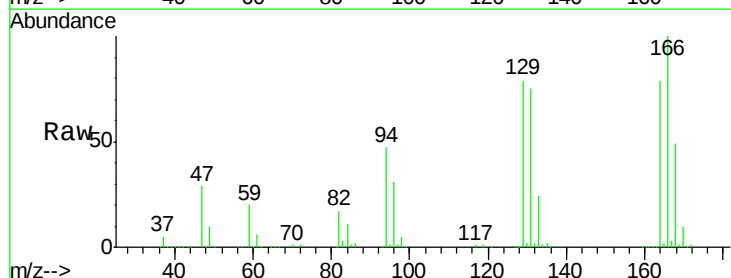
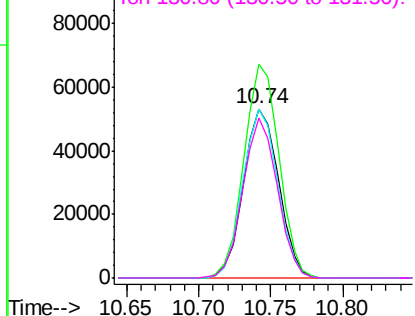
Abundance

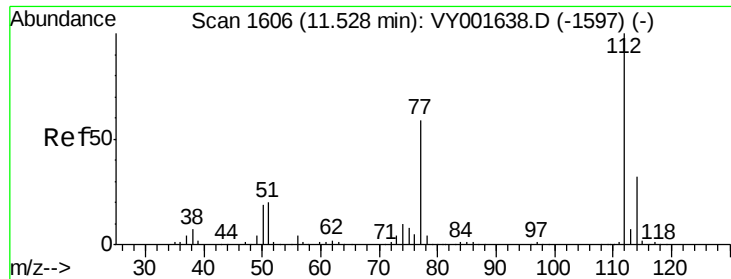
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





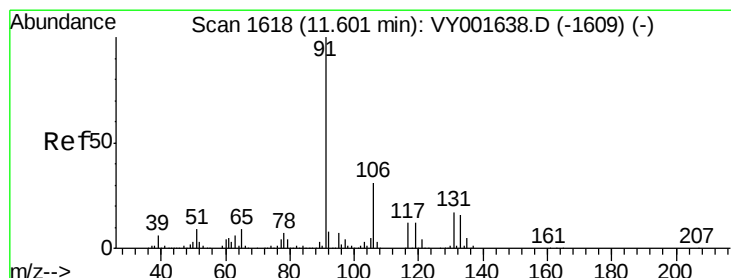
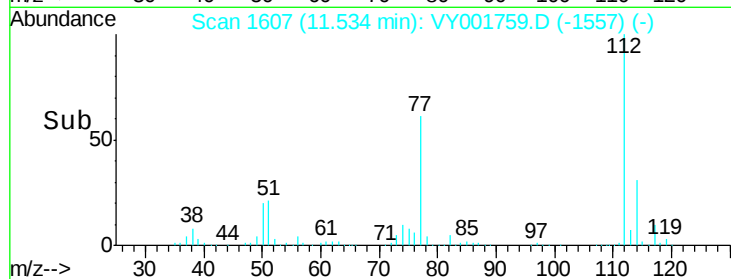
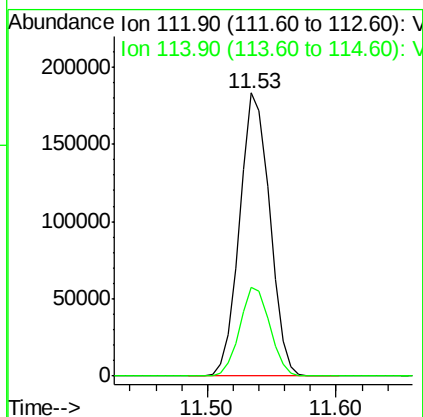
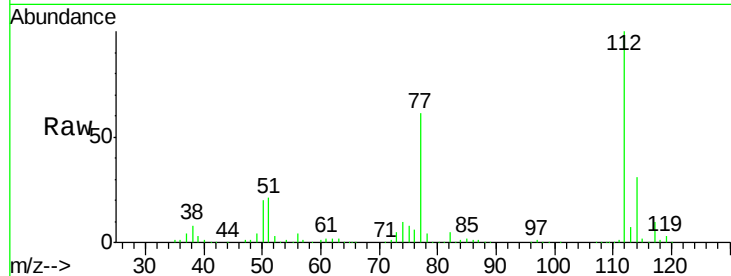
#65
Chlorobenzene
Concen: 51.520 ug/l
RT: 11.53 min Scan# 1607
Delta R.T. 0.01 min
Lab File: VY001759.D
Acq: 21 Feb 2020 21:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 296567
Ion Ratio Lower Upper
112 100
114 31.5 25.4 38.2

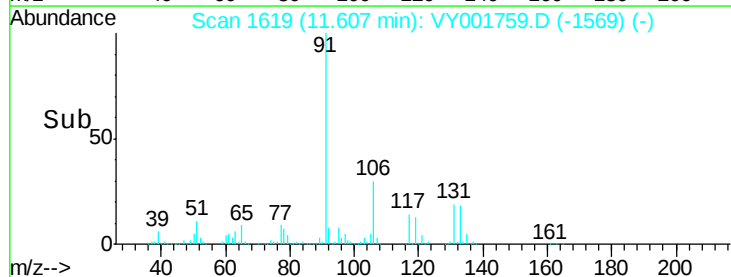
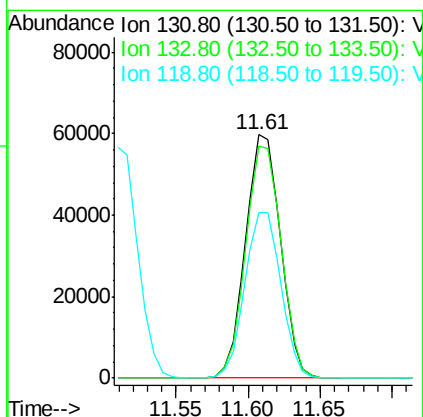
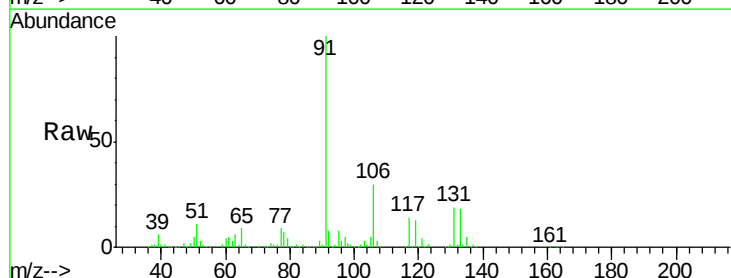
Manual Integrations
APPROVED

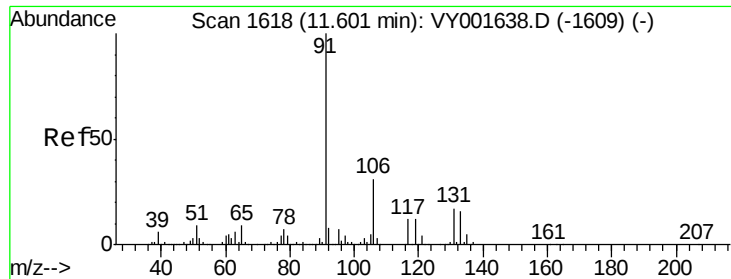
MMDadoda
2/24/2020 11:09:41 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.718 ug/l
RT: 11.61 min Scan# 1619
Delta R.T. 0.01 min
Lab File: VY001759.D
Acq: 21 Feb 2020 21:23

Tgt Ion:131 Resp: 100426
Ion Ratio Lower Upper
131 100
133 96.7 47.4 142.2
119 70.1 34.4 103.1





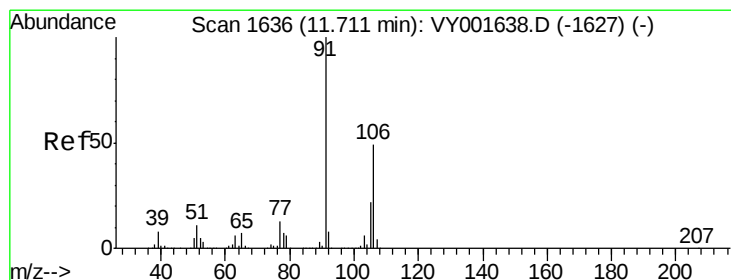
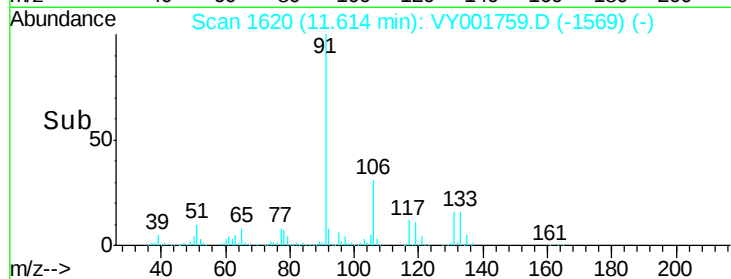
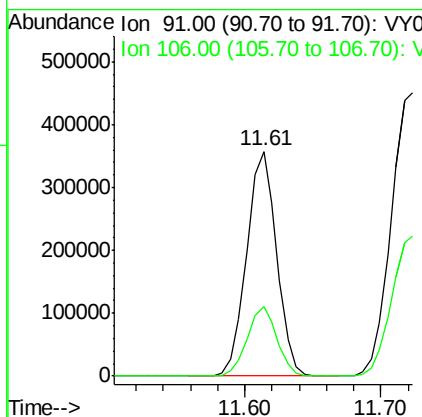
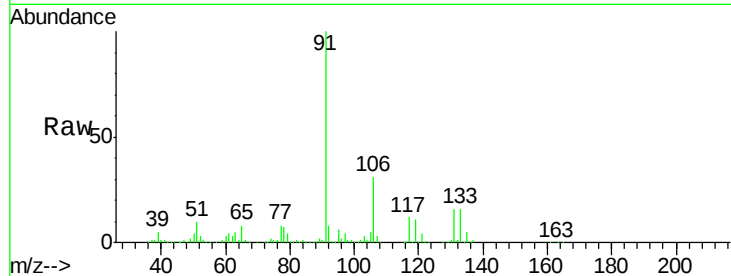
#67
Ethyl Benzene
Concen: 51.667 ug/l
RT: 11.61 min Scan# 1620
Delta R.T. 0.01 min
Lab File: VY001759.D
Acq: 21 Feb 2020 21:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		551929		
106	30.7		24.5	36.7	

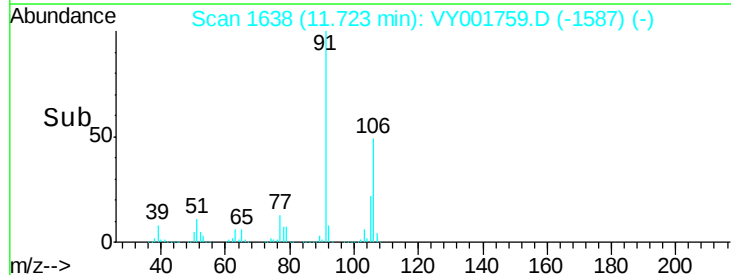
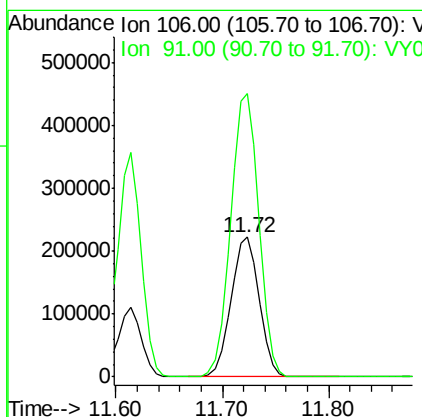
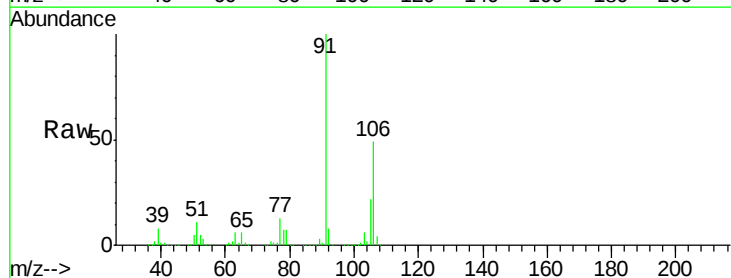
Manual Integrations
APPROVED

MMDadoda
2/24/2020 11:09:41 AM



#68
m/p-Xylenes
Concen: 102.658 ug/l
RT: 11.72 min Scan# 1638
Delta R.T. 0.01 min
Lab File: VY001759.D
Acq: 21 Feb 2020 21:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100		409647		
91	203.3		163.3	244.9	





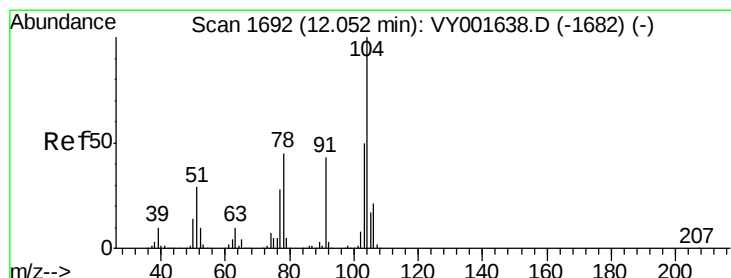
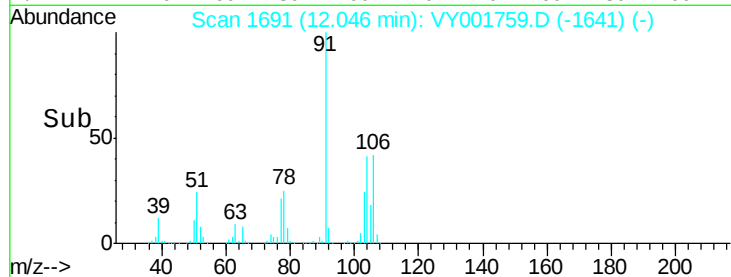
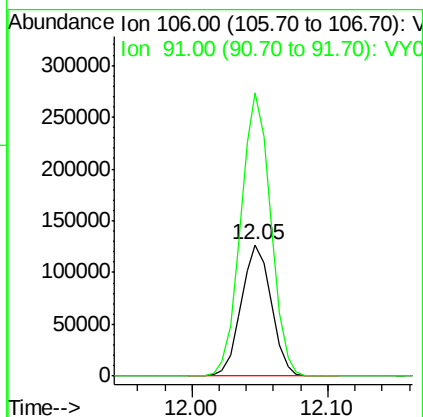
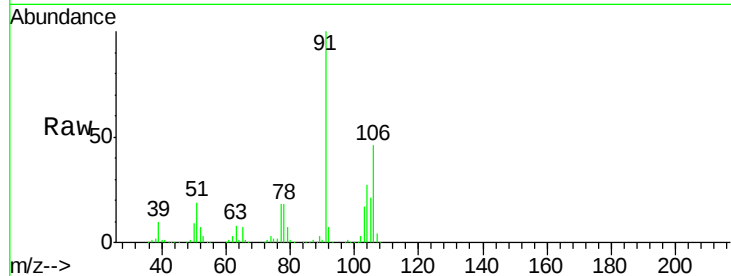
#69
o-Xylene
Concen: 51.780 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. 0.01 min
Lab File: VY001759.D
Acq: 21 Feb 2020 21:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		196435		
91	213.7	108.3	324.9		

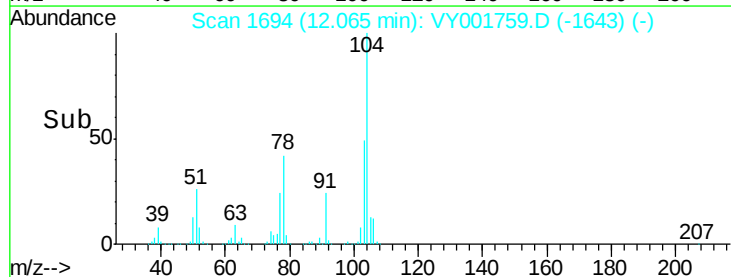
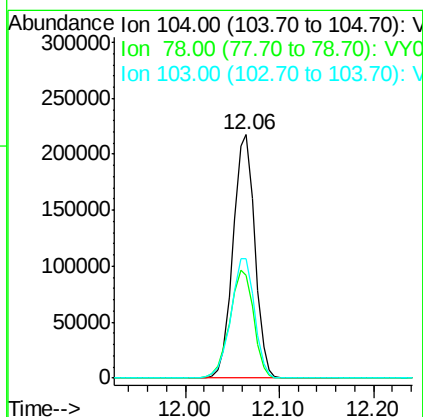
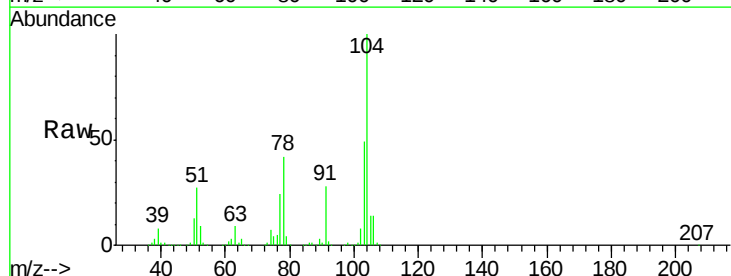
Manual Integrations
APPROVED

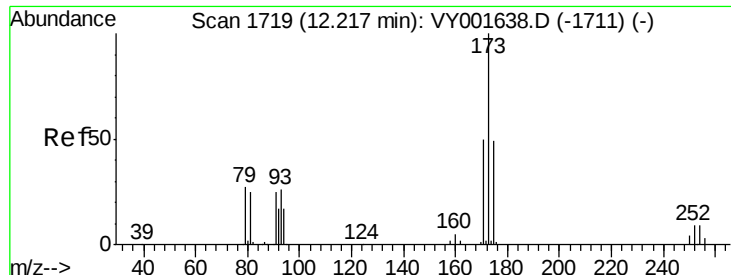
MMDadoda
2/24/2020 11:09:41 AM



#70
Styrene
Concen: 52.617 ug/l
RT: 12.06 min Scan# 1694
Delta R.T. 0.01 min
Lab File: VY001759.D
Acq: 21 Feb 2020 21:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		346907		
78	48.8	39.2	58.8		
103	53.6	43.0	64.6		





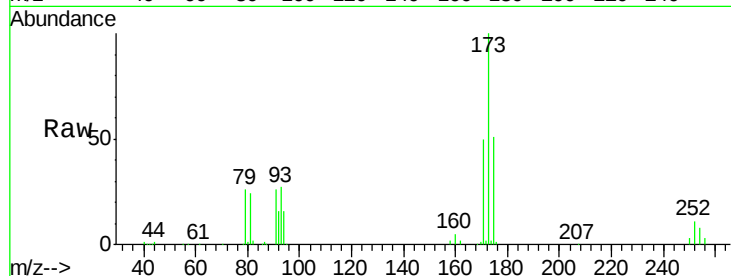
#71
Bromoform
Concen: 52.882 ug/l
RT: 12.23 min Scan# 1721
Delta R.T. 0.01 min
Lab File: VY001759.D
Acq: 21 Feb 2020 21:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

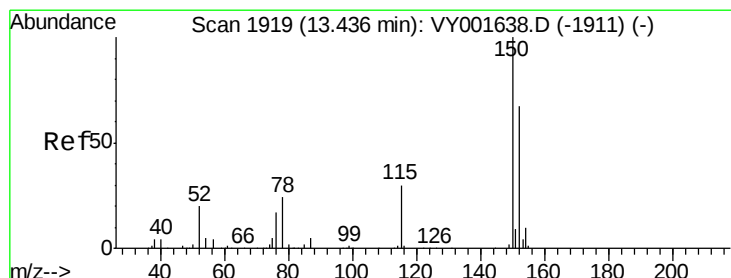
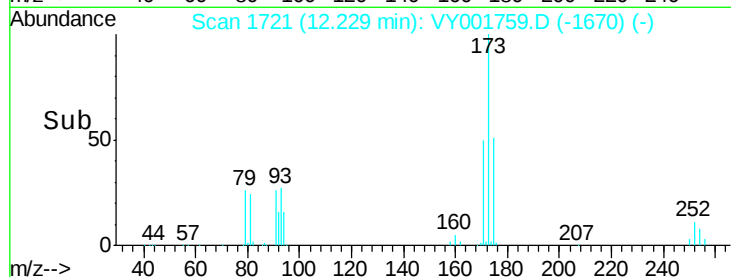
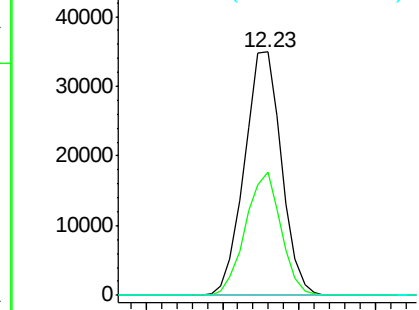
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.3	73.0
254	0.0	0.1	0.1#

Manual Integrations
APPROVED

MMDadoda
2/24/2020 11:09:41 AM

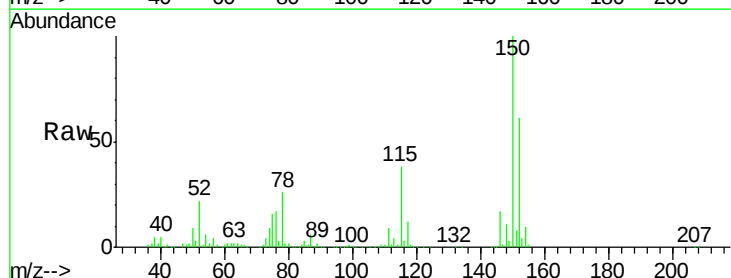


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

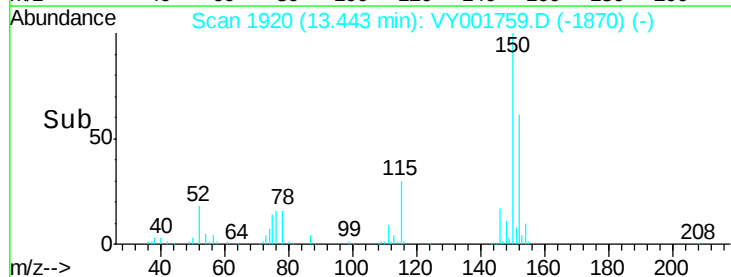
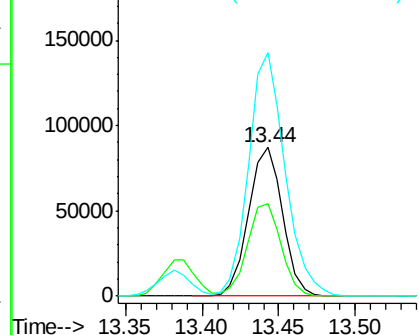


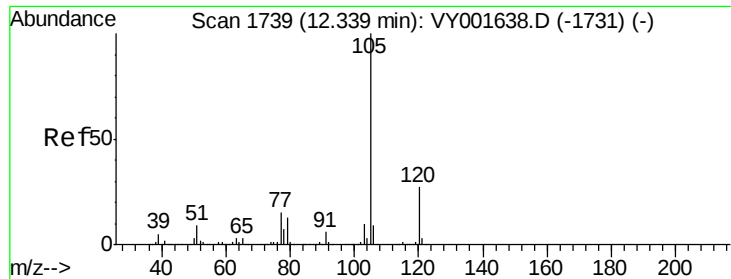
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1920
Delta R.T. 0.01 min
Lab File: VY001759.D
Acq: 21 Feb 2020 21:23

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.6	31.4	94.2
150	175.7	0.0	407.2



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





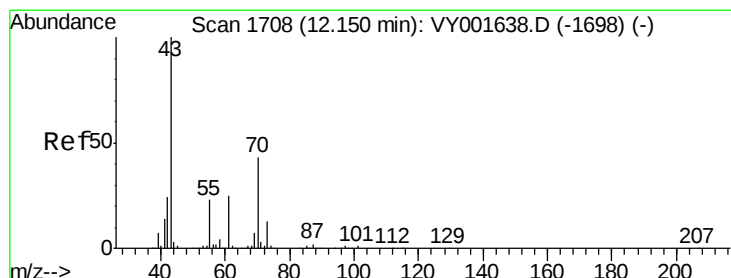
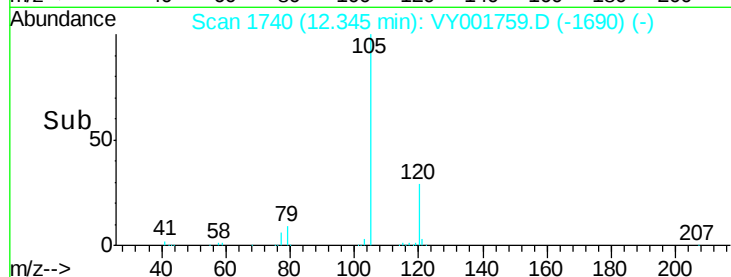
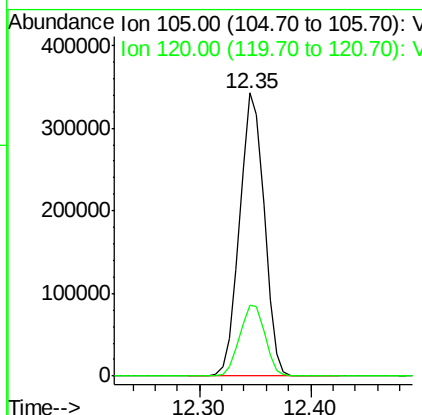
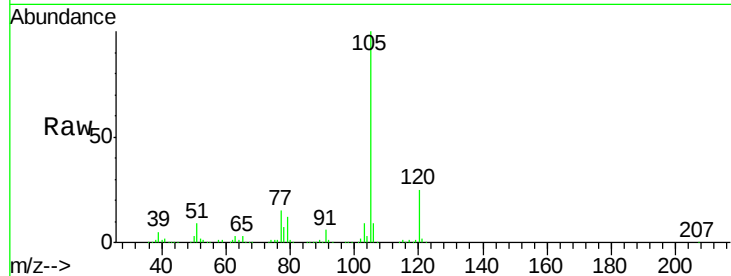
#73
Isopropylbenzene
Concen: 51.138 ug/l
RT: 12.35 min Scan# 1740
Delta R.T. 0.01 min
Lab File: VY001759.D
Acq: 21 Feb 2020 21:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.8	13.4	40.1

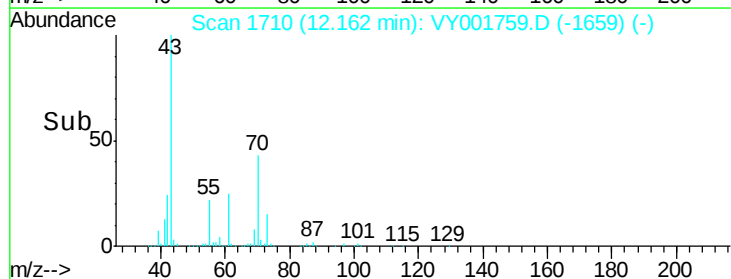
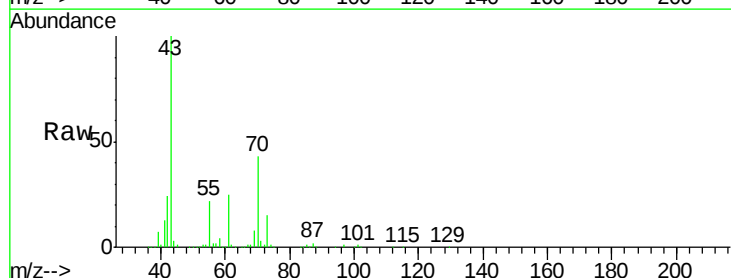
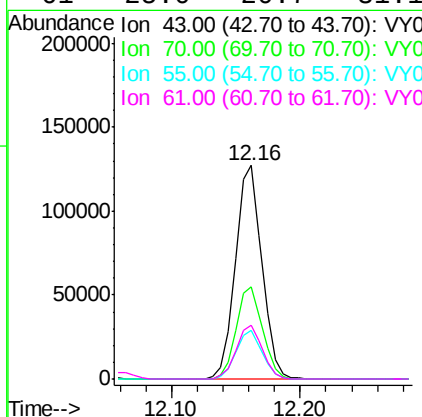
Manual Integrations
APPROVED

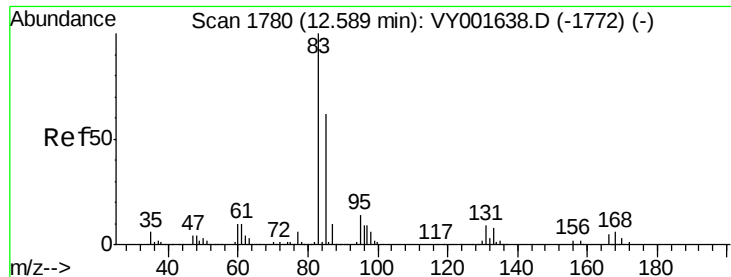
MMDadoda
2/24/2020 11:09:41 AM



#74
N-ethyl acetate
Concen: 55.569 ug/l
RT: 12.16 min Scan# 1710
Delta R.T. 0.01 min
Lab File: VY001759.D
Acq: 21 Feb 2020 21:23

Tgt Ion	Ratio	Lower	Upper
43	100		
70	43.1	35.9	53.9
55	22.6	18.3	27.5
61	25.0	20.7	31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 55.174 ug/l

RT: 12.60 min Scan# 1782

Delta R.T. 0.01 min

Lab File: VY001759.D

Acq: 21 Feb 2020 21:23

Instrument :

MSVOA_Y

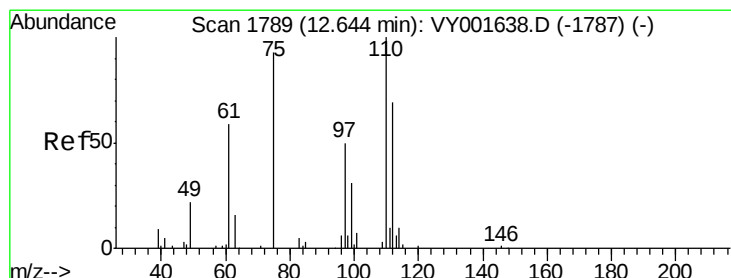
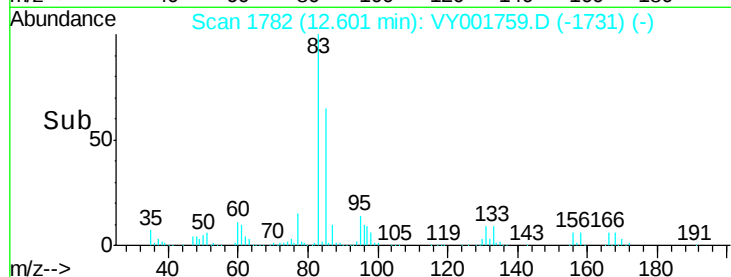
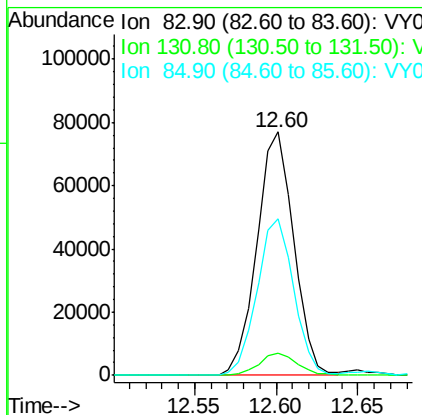
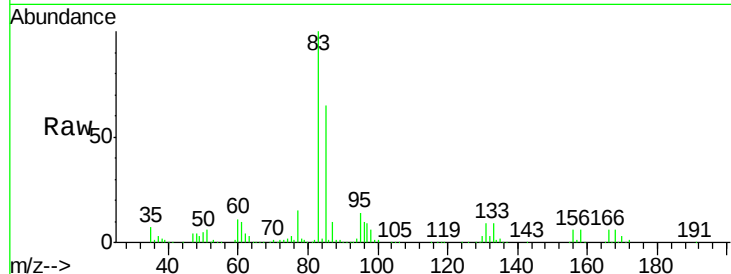
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	120540
Ion Ratio	Lower	Upper	
83	100		
131	9.5	4.7	14.1
85	64.4	31.6	94.7

Manual Integrations
APPROVED

MMDadoda
2/24/2020 11:09:41 AM



#76

1,2,3-Trichloropropane

Concen: 53.031 ug/l m

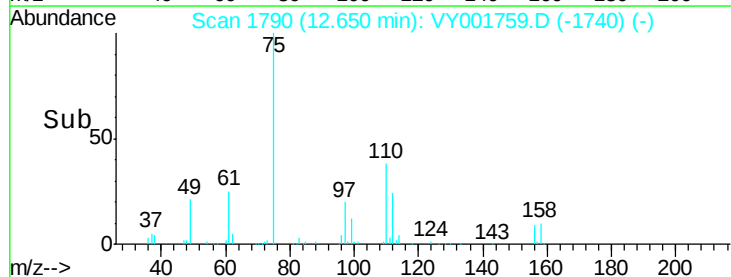
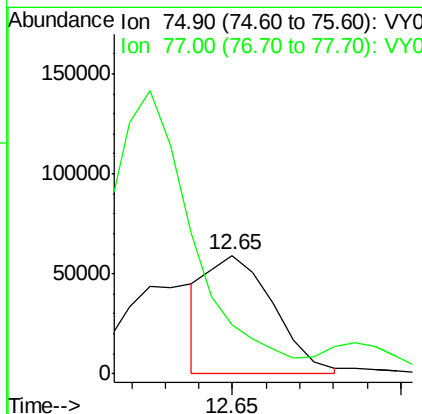
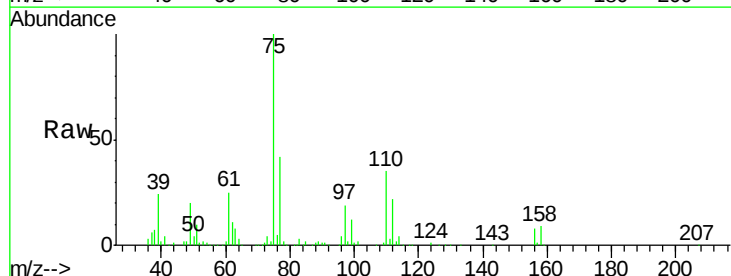
RT: 12.65 min Scan# 1790

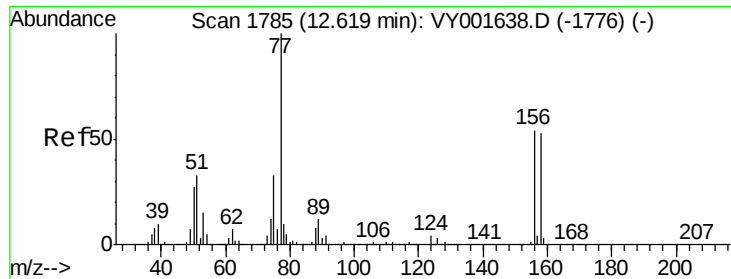
Delta R.T. 0.01 min

Lab File: VY001759.D

Acq: 21 Feb 2020 21:23

Tgt Ion:	75	Resp:	81704
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 51.781 ug/l

RT: 12.63 min Scan# 1786

Delta R.T. 0.01 min

Lab File: VY001759.D

Acq: 21 Feb 2020 21:23

Instrument :

MSVOA_Y

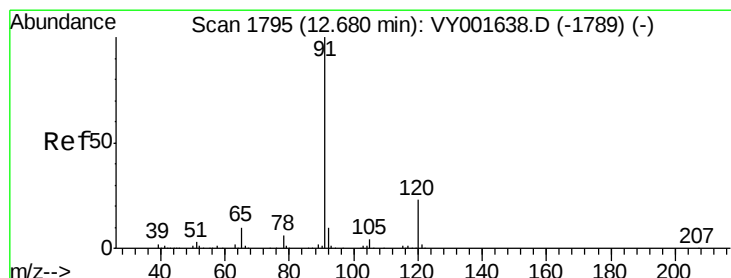
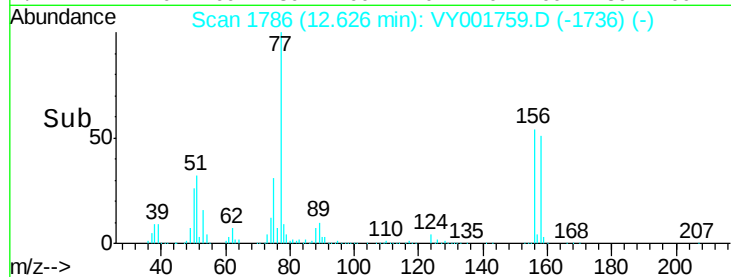
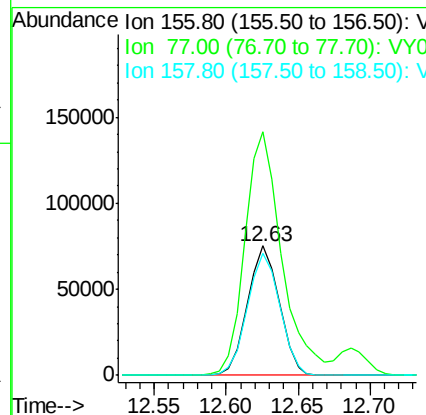
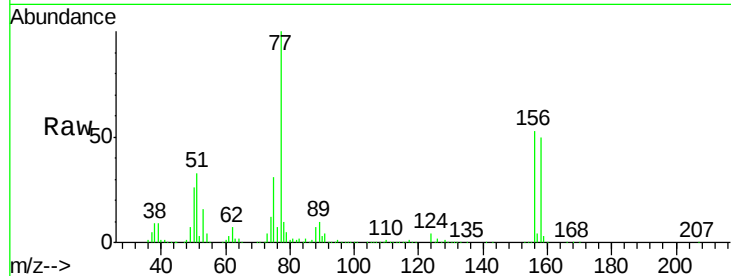
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	114854
Ion Ratio	Lower	Upper	
156	100		
77	218.0	110.1	330.1
158	96.5	47.9	143.7

Manual Integrations
APPROVED

MMDadoda
2/24/2020 11:09:41 AM



#78

n-propylbenzene

Concen: 51.588 ug/l

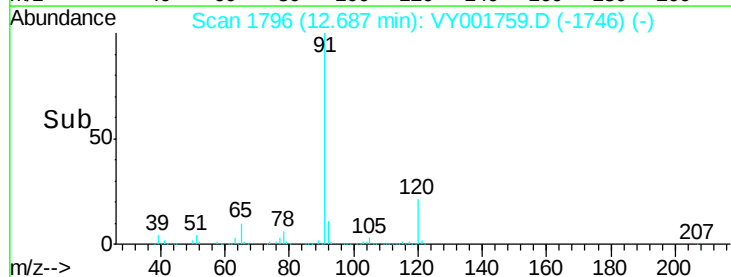
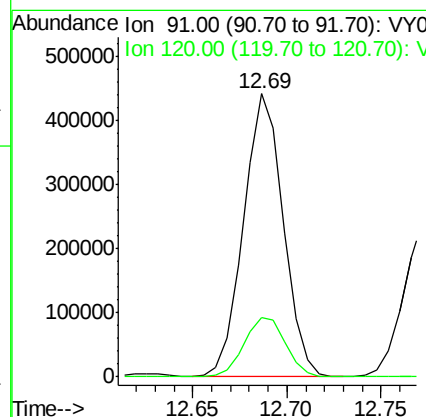
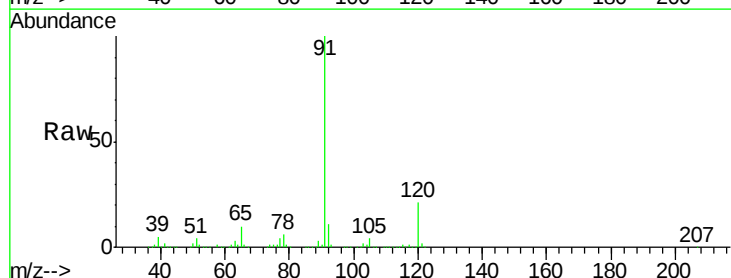
RT: 12.69 min Scan# 1796

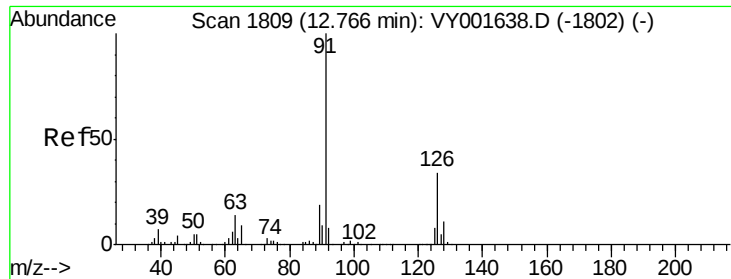
Delta R.T. 0.01 min

Lab File: VY001759.D

Acq: 21 Feb 2020 21:23

Tgt Ion:	91	Resp:	642864
Ion Ratio	Lower	Upper	
91	100		
120	21.8	11.1	33.1





#79

2-Chlorotoluene

Concen: 52.482 ug/l

RT: 12.77 min Scan# 1810

Delta R.T. 0.01 min

Lab File: VY001759.D

Acq: 21 Feb 2020 21:23

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 366810

Ion Ratio Lower Upper

91 100

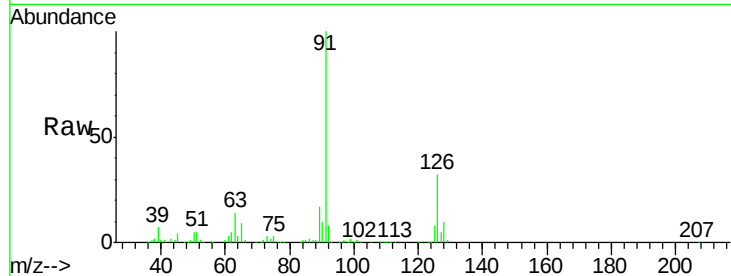
126 32.3 16.2 48.6

Manual Integrations

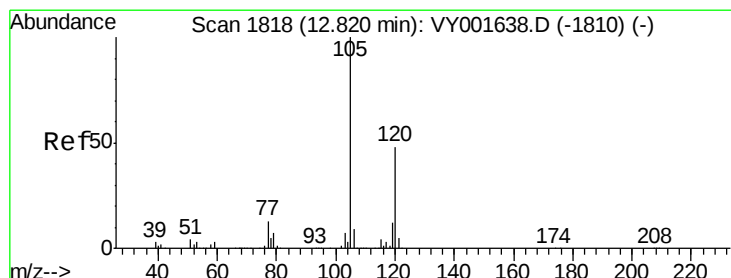
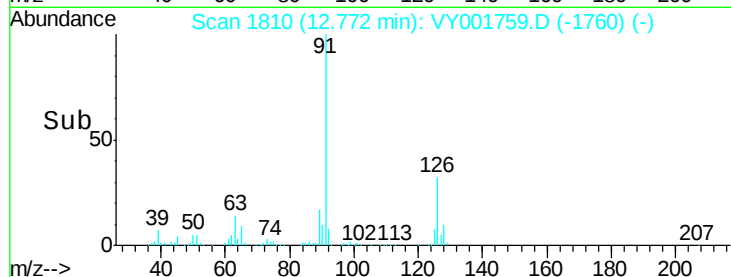
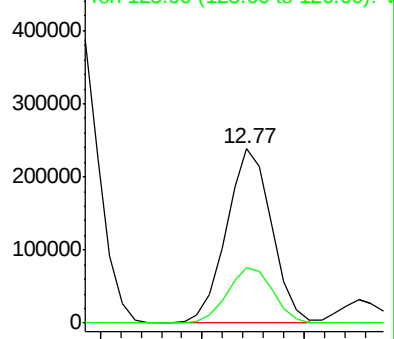
APPROVED

MMDadoda

2/24/2020 11:09:41 AM



Abundance Ion 91.00 (90.70 to 91.70): VY001638.D (-1802) (-)



#80

1,3,5-Trimethylbenzene

Concen: 51.402 ug/l

RT: 12.83 min Scan# 1819

Delta R.T. 0.01 min

Lab File: VY001759.D

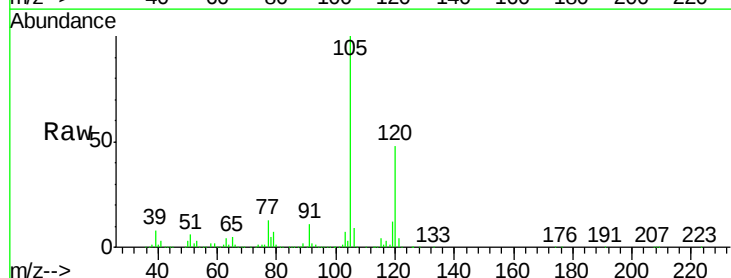
Acq: 21 Feb 2020 21:23

Tgt Ion: 105 Resp: 435364

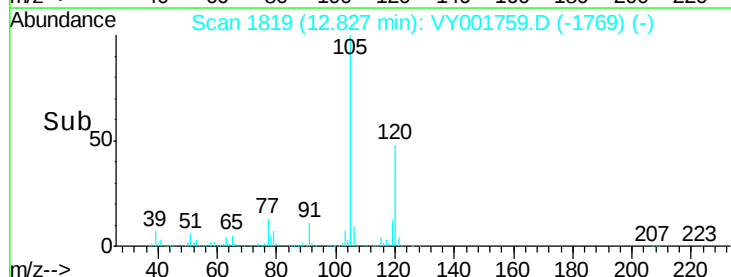
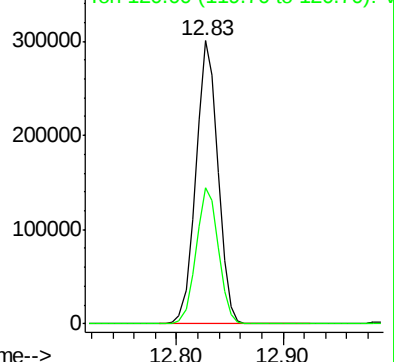
Ion Ratio Lower Upper

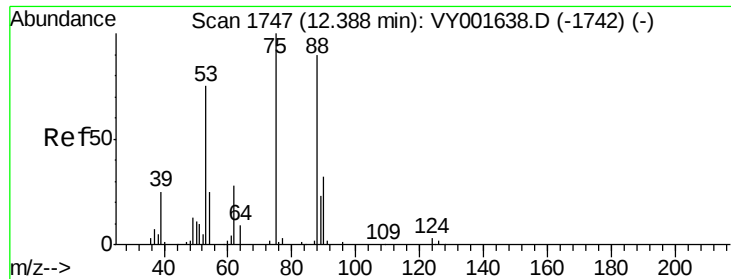
105 100

120 48.8 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): VY001638.D (-1810) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 53.001 ug/l

RT: 12.39 min Scan# 1748

Delta R.T. 0.01 min

Lab File: VY001759.D

Acq: 21 Feb 2020 21:23

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 43042

Ion Ratio Lower Upper

75 100

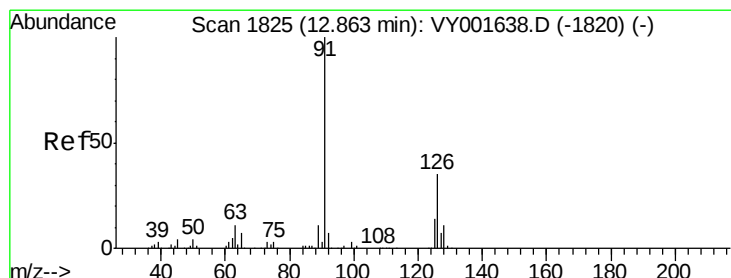
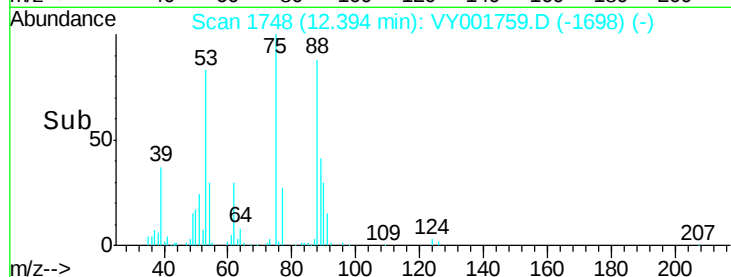
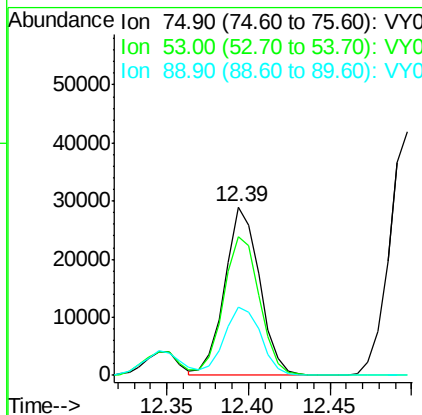
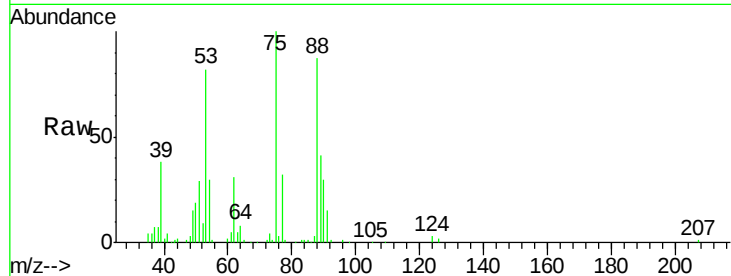
53 83.7 64.5 96.7

89 42.5 36.3 54.5

Manual Integrations
APPROVED

MMDadoda

2/24/2020 11:09:41 AM



#82

4-Chlorotoluene

Concen: 51.847 ug/l

RT: 12.87 min Scan# 1826

Delta R.T. 0.01 min

Lab File: VY001759.D

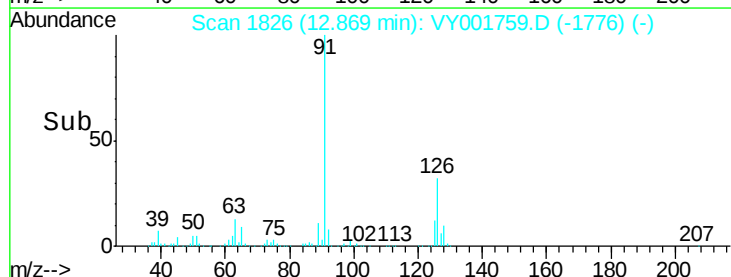
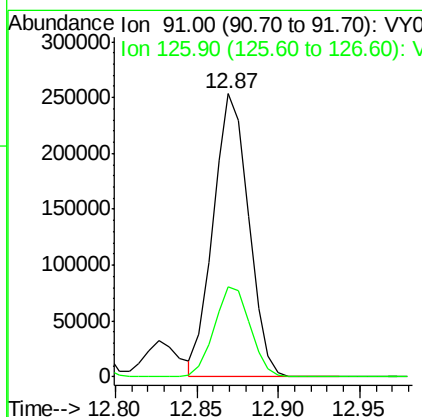
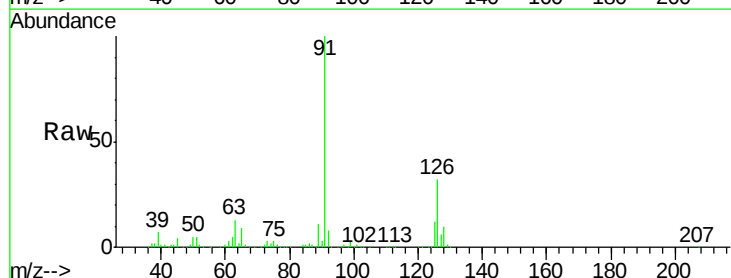
Acq: 21 Feb 2020 21:23

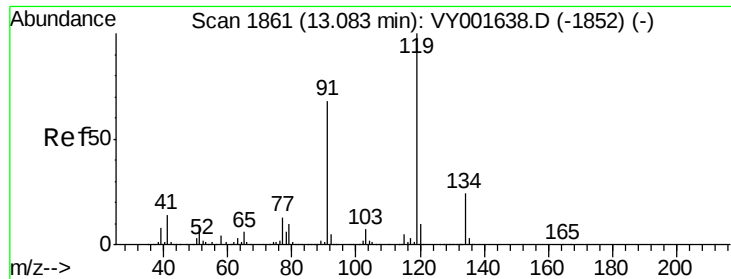
Tgt Ion: 91 Resp: 382186

Ion Ratio Lower Upper

91 100

126 32.6 16.2 48.6





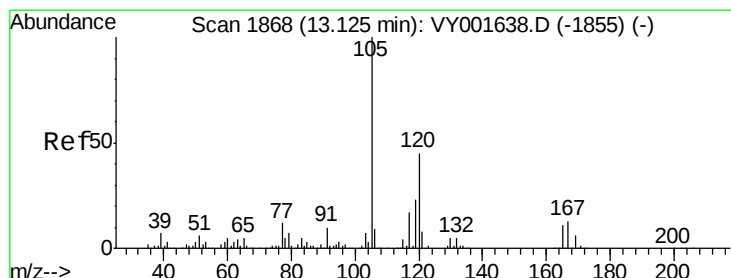
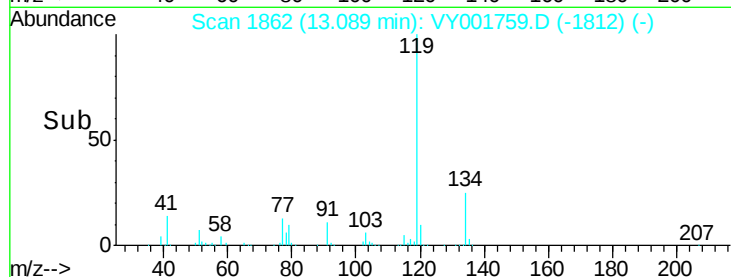
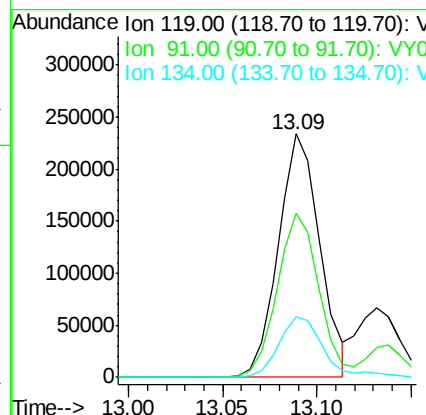
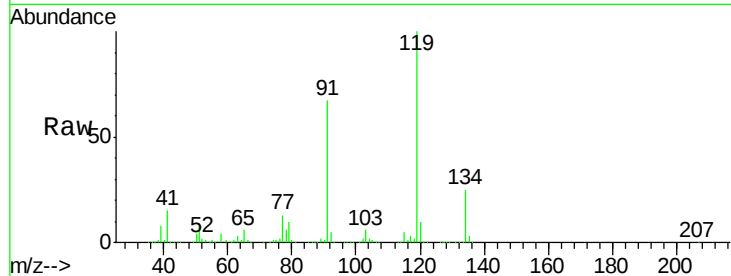
#83
tert-Butylbenzene
Concen: 50.298 ug/l
RT: 13.09 min Scan# 1862
Delta R.T. 0.01 min
Lab File: VY001759.D
Acq: 21 Feb 2020 21:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.8	33.5	100.5
134	27.0	13.3	39.8

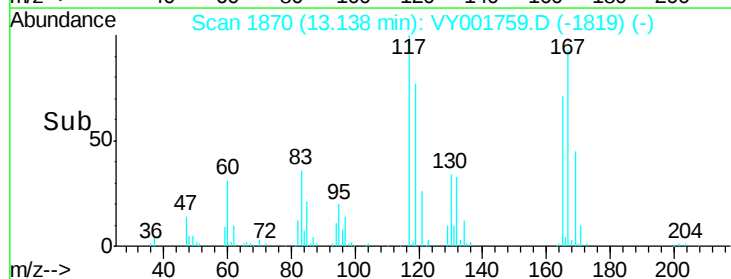
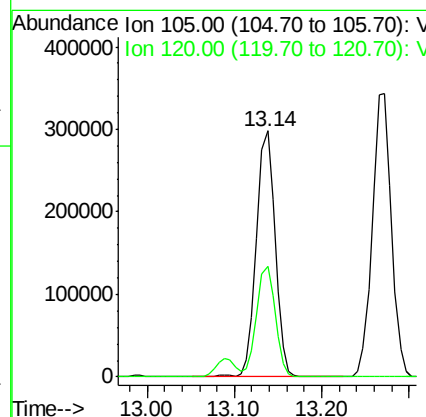
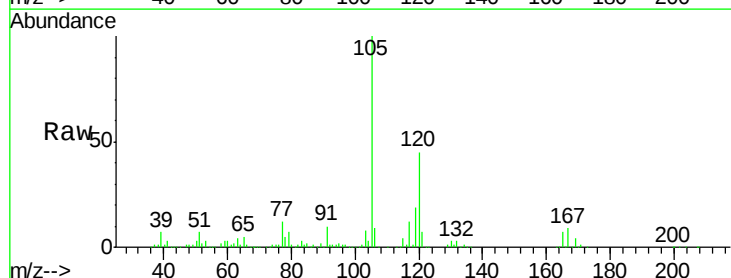
Manual Integrations
APPROVED

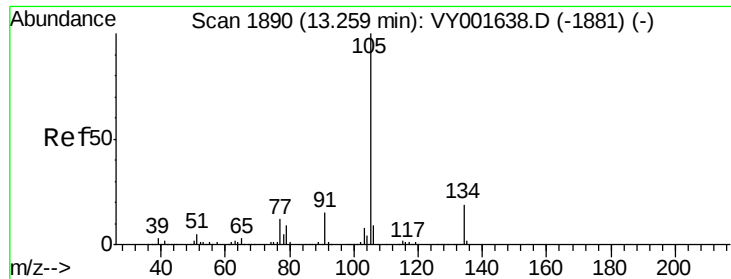
MMDadoda
2/24/2020 11:09:41 AM



#84
1,2,4-Trimethylbenzene
Concen: 52.268 ug/l
RT: 13.14 min Scan# 1870
Delta R.T. 0.01 min
Lab File: VY001759.D
Acq: 21 Feb 2020 21:23

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.0	22.4	67.3





#85

sec-Butylbenzene

Concen: 50.578 ug/l

RT: 13.27 min Scan# 1892

Delta R.T. 0.01 min

Lab File: VY001759.D

Acq: 21 Feb 2020 21:23

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 526939

Ion Ratio Lower Upper

105 100

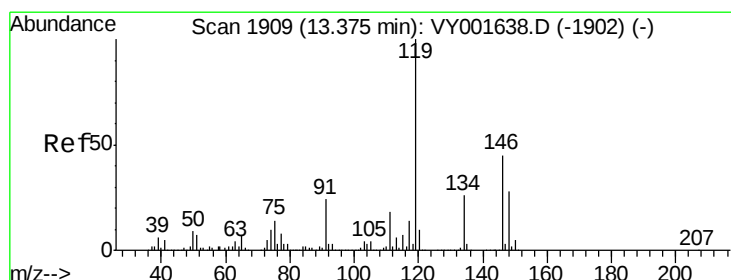
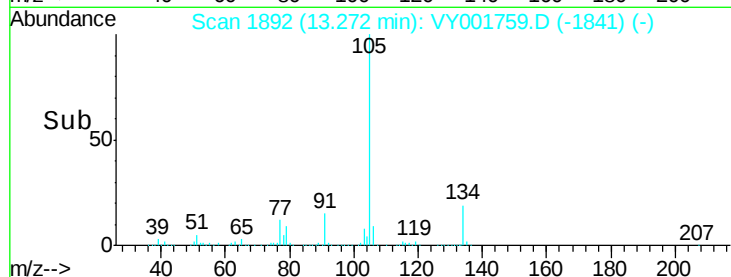
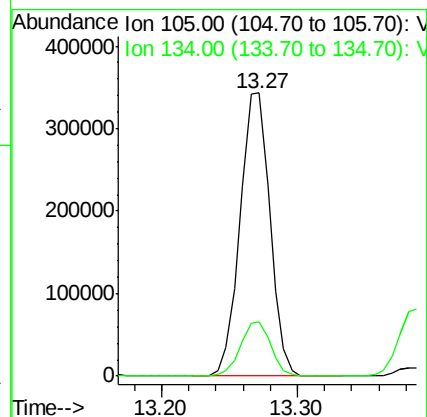
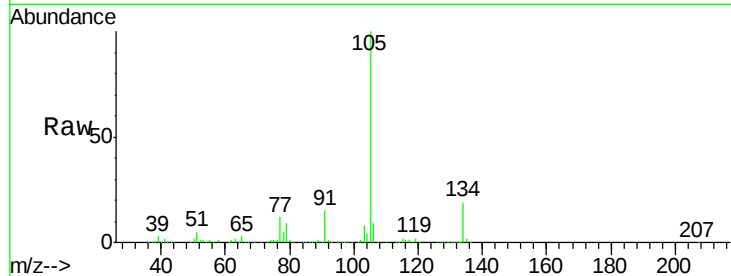
134 19.4 9.8 29.3

Manual Integrations

APPROVED

MMDadoda

2/24/2020 11:09:41 AM



#86

p-Isopropyltoluene

Concen: 50.601 ug/l

RT: 13.39 min Scan# 1911

Delta R.T. 0.01 min

Lab File: VY001759.D

Acq: 21 Feb 2020 21:23

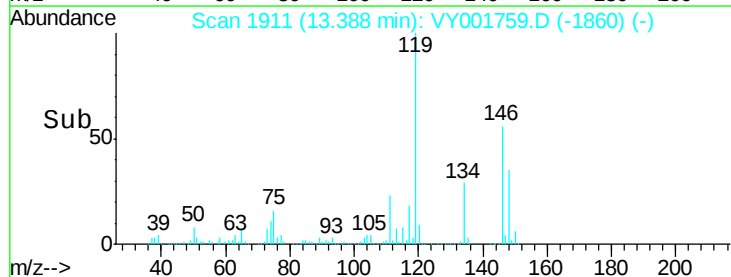
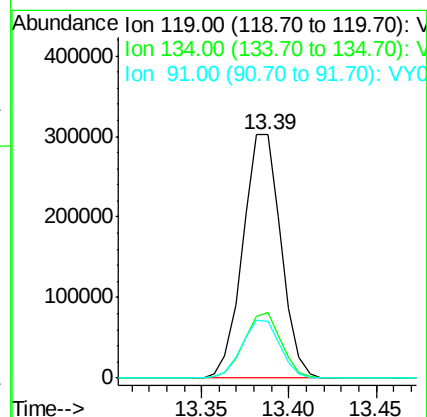
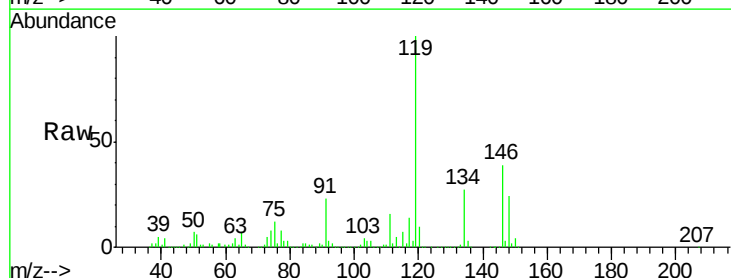
Tgt Ion:119 Resp: 457976

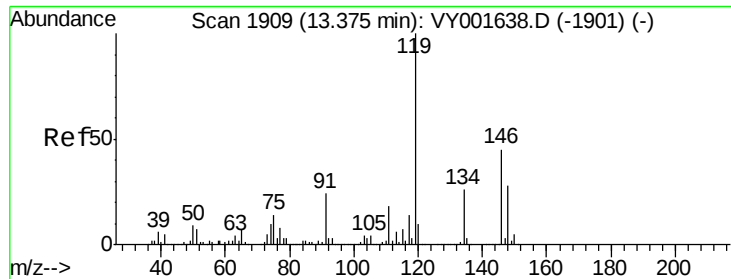
Ion Ratio Lower Upper

119 100

134 26.4 13.0 39.0

91 23.8 12.2 36.6





#87

1,3-Dichlorobenzene

Concen: 51.430 ug/l

RT: 13.38 min Scan# 1910

Delta R.T. 0.01 min

Lab File: VY001759.D

Acq: 21 Feb 2020 21:23

Instrument :

MSVOA_Y

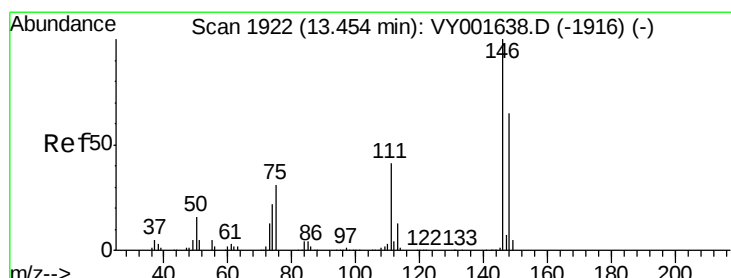
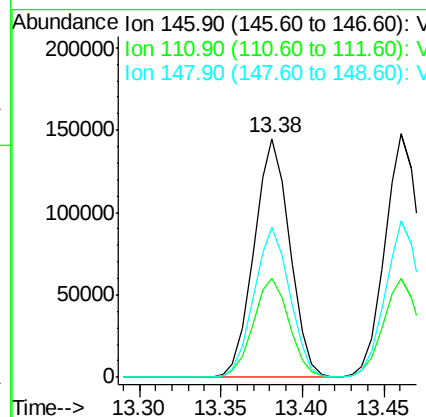
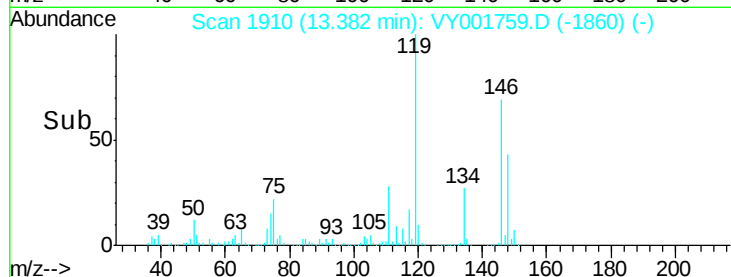
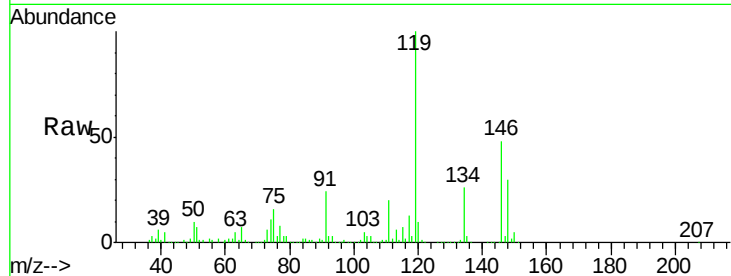
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	221237
Ion Ratio	Lower	Upper	
146	100		
111	41.7	21.4	64.3
148	63.0	31.6	94.7

Manual Integrations
APPROVED

MMDadoda
2/24/2020 11:09:41 AM



#88

1,4-Dichlorobenzene

Concen: 50.833 ug/l

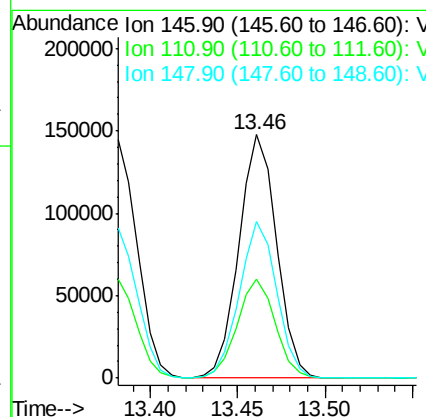
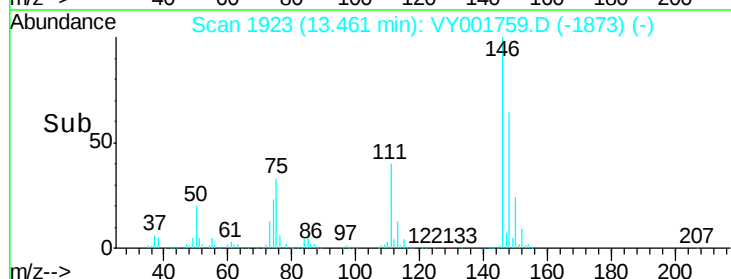
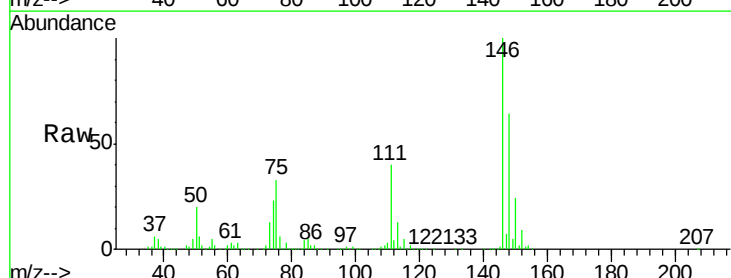
RT: 13.46 min Scan# 1923

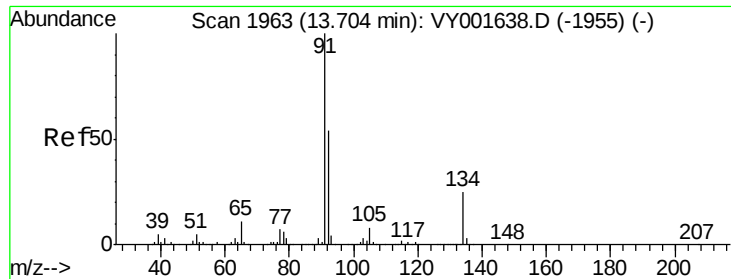
Delta R.T. 0.01 min

Lab File: VY001759.D

Acq: 21 Feb 2020 21:23

Tgt Ion:	146	Resp:	221040
Ion Ratio	Lower	Upper	
146	100		
111	41.0	20.4	61.3
148	63.9	31.6	94.7





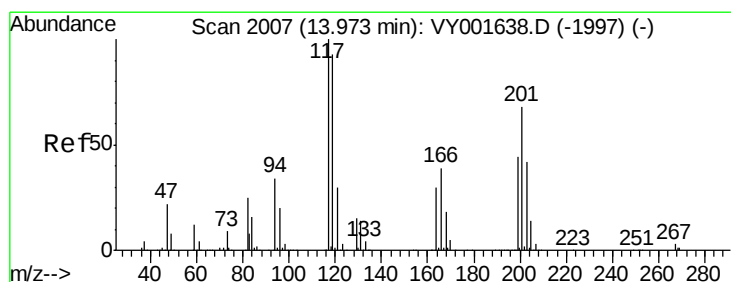
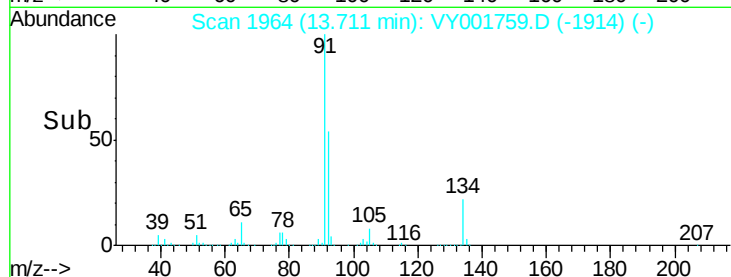
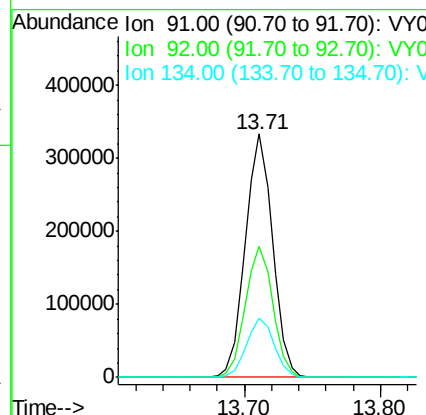
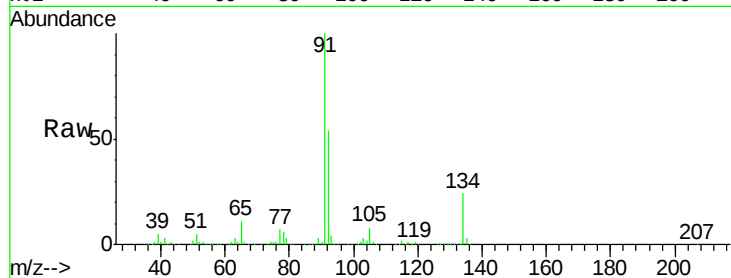
#89
n-Butylbenzene
Concen: 50.479 ug/l
RT: 13.71 min Scan# 1964
Delta R.T. 0.01 min
Lab File: VY001759.D
Acq: 21 Feb 2020 21:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.3	27.5	82.4
134	24.6	12.4	37.4

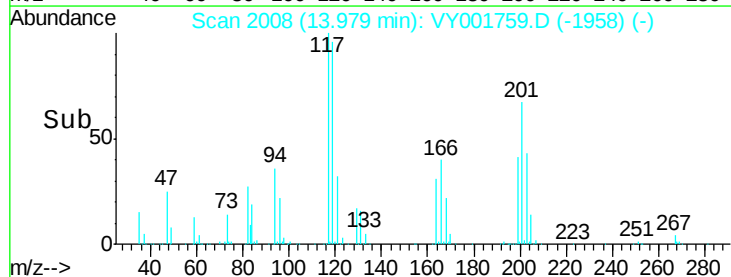
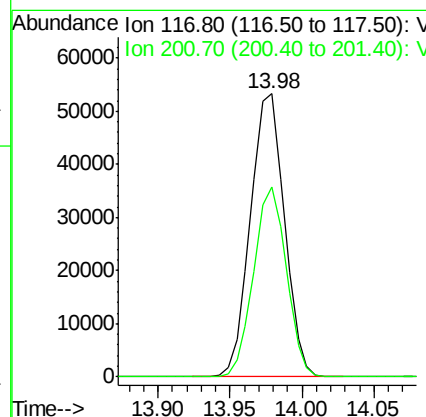
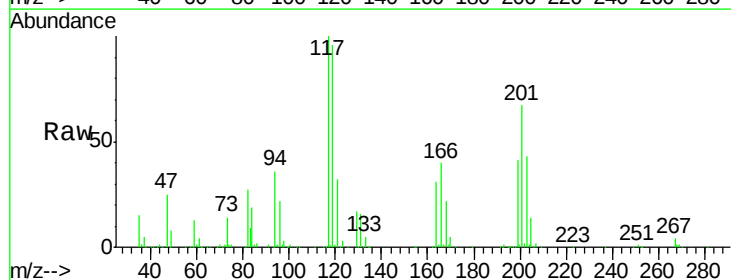
Manual Integrations
APPROVED

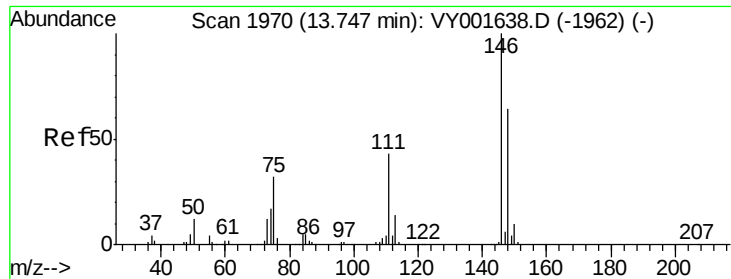
MMDadoda
2/24/2020 11:09:41 AM



#90
Hexachloroethane
Concen: 51.083 ug/l
RT: 13.98 min Scan# 2008
Delta R.T. 0.01 min
Lab File: VY001759.D
Acq: 21 Feb 2020 21:23

Tgt Ion	Ratio	Lower	Upper
117	100		
201	64.2	32.5	97.4





#91

1,2-Dichlorobenzene

Concen: 51.666 ug/l

RT: 13.75 min Scan# 1971

Delta R.T. 0.01 min

Lab File: VY001759.D

Acq: 21 Feb 2020 21:23

Instrument :

MSVOA_Y

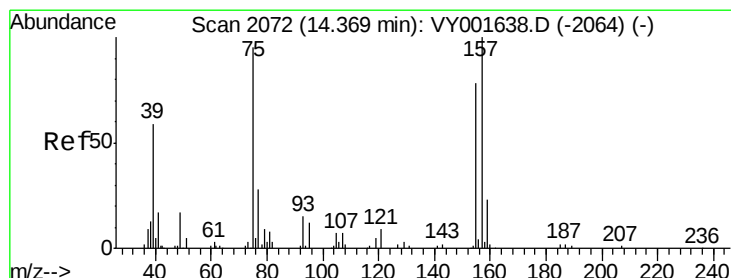
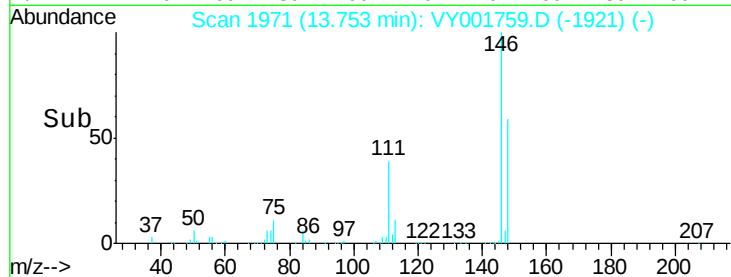
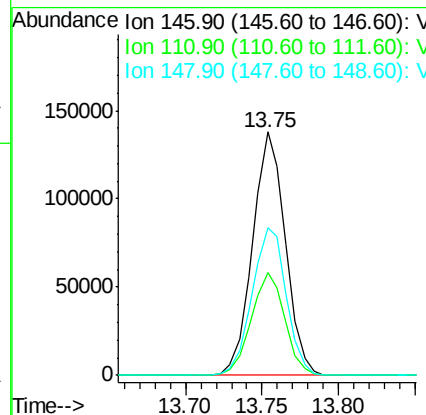
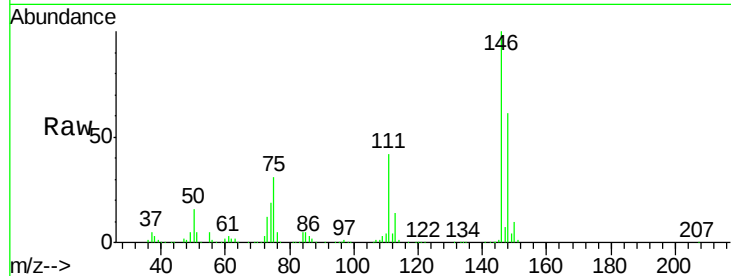
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	205109
Ion Ratio	Lower	Upper	
146	100		
111	43.1	21.9	65.7
148	63.2	31.5	94.5

Manual Integrations
APPROVED

MMDadoda
2/24/2020 11:09:41 AM



#92

1,2-Dibromo-3-Chloropropane

Concen: 53.324 ug/l

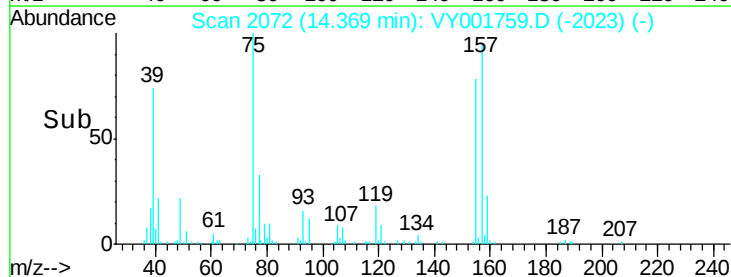
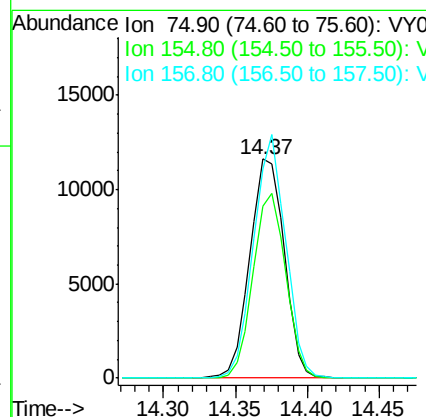
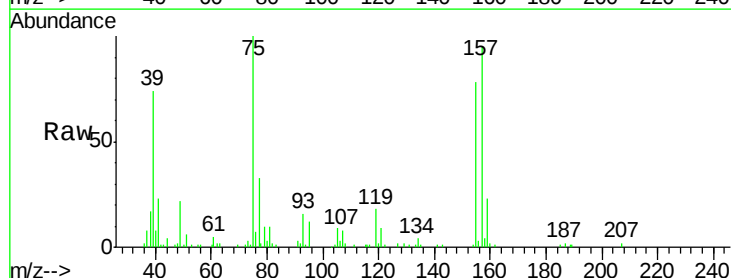
RT: 14.37 min Scan# 2072

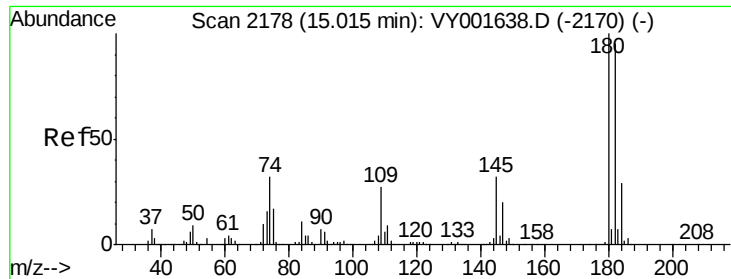
Delta R.T. 0.00 min

Lab File: VY001759.D

Acq: 21 Feb 2020 21:23

Tgt Ion:	75	Resp:	19226
Ion Ratio	Lower	Upper	
75	100		
155	79.6	40.8	122.4
157	102.7	52.1	156.4





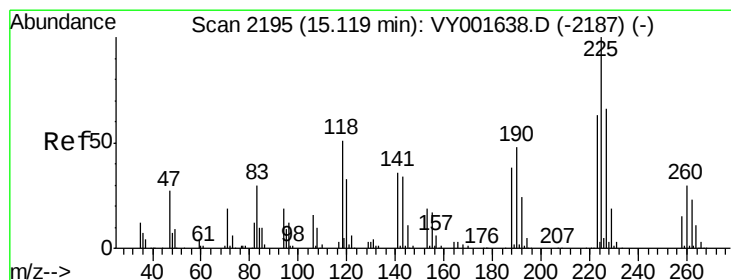
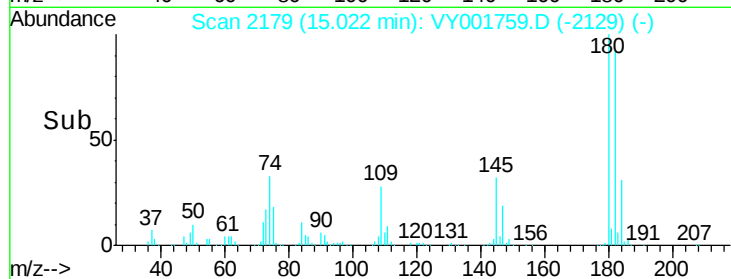
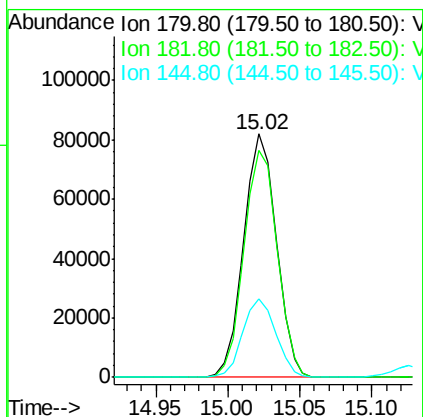
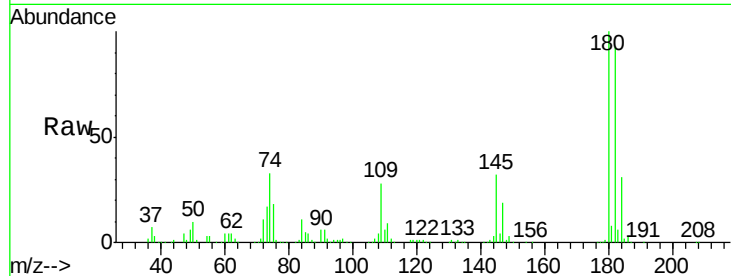
#93
 1,2,4-Trichlorobenzene
 Concen: 49.190 ug/l
 RT: 15.02 min Scan# 2179
 Delta R.T. 0.01 min
 Lab File: VY001759.D
 Acq: 21 Feb 2020 21:23

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	129407		
182	94.8	46.8	140.3	
145	32.6	16.2	48.5	

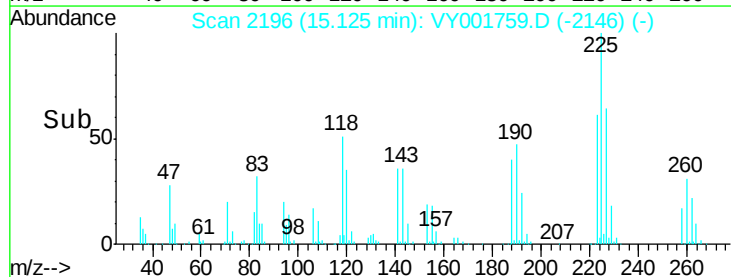
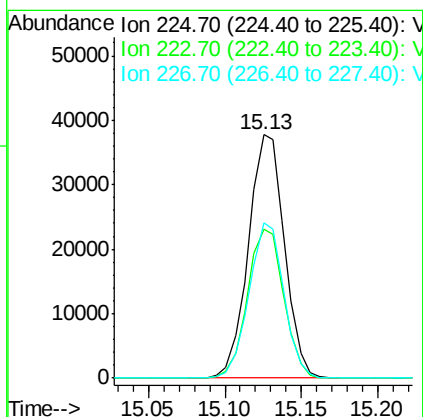
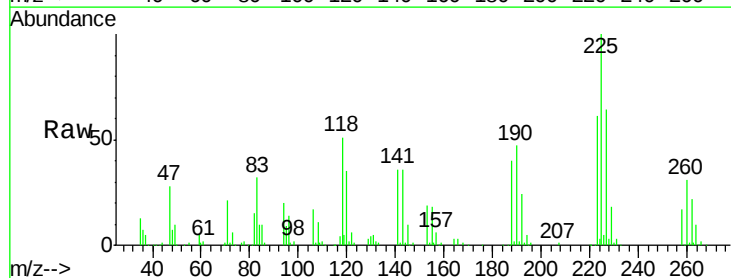
Manual Integrations
 APPROVED

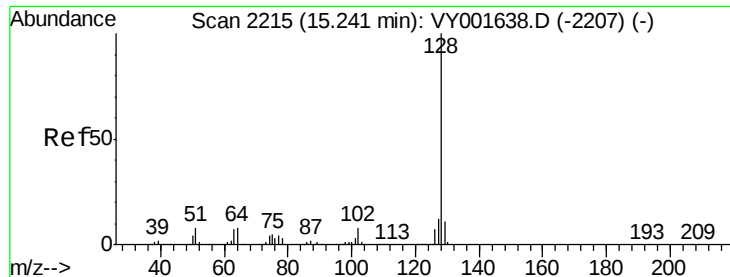
MMDadoda
 2/24/2020 11:09:41 AM



#94
 Hexachlorobutadiene
 Concen: 47.211 ug/l
 RT: 15.13 min Scan# 2196
 Delta R.T. 0.01 min
 Lab File: VY001759.D
 Acq: 21 Feb 2020 21:23

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	61768		
223	61.4	31.4	94.0	
227	61.7	31.6	94.8	





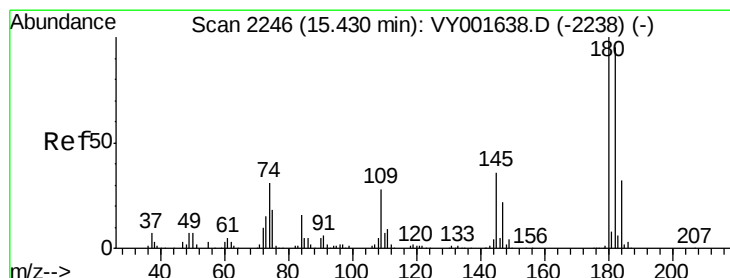
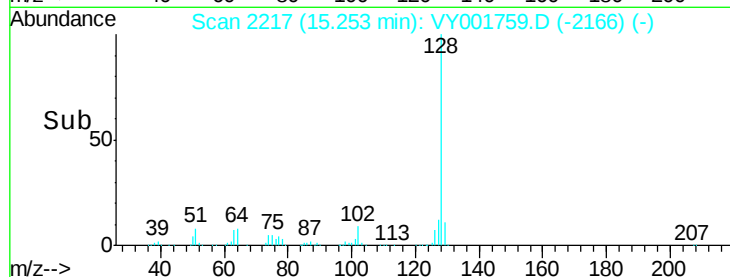
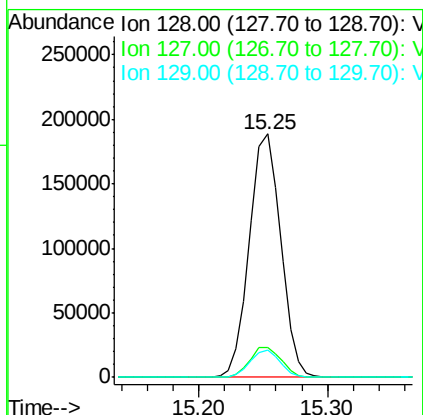
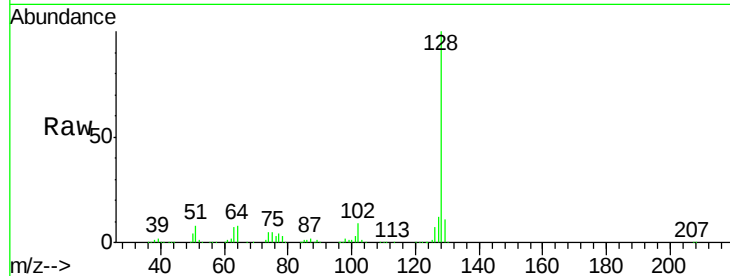
#95
Naphthalene
Concen: 52.235 ug/l
RT: 15.25 min Scan# 2217
Delta R.T. 0.01 min
Lab File: VY001759.D
Acq: 21 Feb 2020 21:23

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
128	100	316845		
127	12.5	9.9	14.9	
129	11.0	8.6	13.0	

Manual Integrations
APPROVED

MMDadoda
2/24/2020 11:09:41 AM



#96
1,2,3-Trichlorobenzene
Concen: 50.230 ug/l
RT: 15.44 min Scan# 2248
Delta R.T. 0.01 min
Lab File: VY001759.D
Acq: 21 Feb 2020 21:23

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	116256		
182	93.0	47.2	141.6	
145	33.9	17.3	52.0	

