

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY092319\
 Data File : VY000128.D
 Acq On : 23 Sep 2019 12:09
 Operator : SY/MD
 Sample : VSTDICCC050
 Misc : 5.00g/5.00ml/MSVOA Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 9/25/2019 12:39:22 AM

Quant Time: Sep 24 05:07:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y092319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 24 04:45:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.79	168	117221	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	220692	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	196742	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	87064	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	67910	50.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.80%	
35) Dibromofluoromethane	7.72	113	63979	50.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.98%	
50) Toluene-d8	10.18	98	269002	52.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.46%	
62) 4-Bromofluorobenzene	12.48	95	91992	49.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	52666	45.290	ug/l	100
3) Chloromethane	2.11	50	83504	38.866	ug/l	100
4) Vinyl Chloride	2.25	62	86822	48.174	ug/l	100
5) Bromomethane	2.63	94	51625	46.245	ug/l	100
6) Chloroethane	2.78	64	52227	46.908	ug/l	100
7) Trichlorofluoromethane	3.12	101	99182	48.181	ug/l	100
8) Diethyl Ether	3.53	74	44666	50.618	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.89	101	64800	47.475	ug/l	100
10) Methyl Iodide	4.09	142	95507	54.543	ug/l	100
11) Tert butyl alcohol	4.96	59	34085	245.010	ug/l	100
12) 1,1-Dichloroethene	3.87	96	67287	47.729	ug/l	100
13) Acrolein	3.73	56	9245	163.562	ug/l	100
14) Allyl chloride	4.48	41	98621	49.559	ug/l	100
15) Acrylonitrile	5.17	53	102916	240.597	ug/l	100
16) Acetone	3.95	43	62642	239.143	ug/l	100
17) Carbon Disulfide	4.18	76	239239	49.254	ug/l	100
18) Methyl Acetate	4.48	43	45816	47.745	ug/l	100
19) Methyl tert-butyl Ether	5.23	73	181562	49.563	ug/l	100
20) Methylene Chloride	4.71	84	80776	45.888	ug/l	100
21) trans-1,2-Dichloroethene	5.21	96	77846	48.965	ug/l	100
22) Diisopropyl ether	6.12	45	201485	47.489	ug/l	100
23) Vinyl Acetate	6.06	43	679443	240.299	ug/l	100
24) 1,1-Dichloroethane	6.02	63	120155	47.540	ug/l	100
25) 2-Butanone	6.99	43	115332	237.314	ug/l	100
26) 2,2-Dichloropropane	6.98	77	105930	46.248	ug/l	100
27) cis-1,2-Dichloroethene	6.99	96	85458	48.296	ug/l	100
28) Bromochloromethane	7.34	49	50734	51.367	ug/l	100
29) Tetrahydrofuran	7.35	42	78088	237.272	ug/l	100
30) Chloroform	7.51	83	121889	47.903	ug/l	100
31) Cyclohexane	7.78	56	118694	45.288	ug/l	100
32) 1,1,1-Trichloroethane	7.70	97	101116	48.303	ug/l	100
36) 1,1-Dichloropropene	7.92	75	99398	48.643	ug/l	100
37) Ethyl Acetate	7.08	43	51629	47.842	ug/l	100
38) Carbon Tetrachloride	7.90	117	86103	49.096	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY092319\
 Data File : VY000128.D
 Acq On : 23 Sep 2019 12:09
 Operator : SY/MD
 Sample : VSTDICCC050
 Misc : 5.00g/5.00ml/MSVOA Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleID :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 9/25/2019 12:39:22 AM

Quant Time: Sep 24 05:07:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y092319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 24 04:45:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	135549	48.230	ug/l	100
40) Benzene	8.16	78	313796	49.756	ug/l	100
41) Methacrylonitrile	7.32	41	30222m	35.289	ug/l	
42) 1,2-Dichloroethane	8.24	62	79385	49.361	ug/l	100
43) Isopropyl Acetate	8.27	43	103636	48.012	ug/l	100
44) Trichloroethene	8.94	130	77693	49.614	ug/l	100
45) 1,2-Dichloropropane	9.22	63	70570	46.327	ug/l	100
46) Dibromomethane	9.31	93	40349	47.628	ug/l	100
47) Bromodichloromethane	9.49	83	95078	49.017	ug/l	100
48) Methyl methacrylate	9.29	41	44545	48.292	ug/l	100
49) 1,4-Dioxane	9.30	88	14319	1070.641	ug/l	100
51) 4-Methyl-2-Pentanone	10.07	43	270656	246.070	ug/l	100
52) Toluene	10.24	92	190123	48.785	ug/l	100
53) t-1,3-Dichloropropene	10.46	75	102648	48.530	ug/l	100
54) cis-1,3-Dichloropropene	9.93	75	124032	50.578	ug/l	100
55) 1,1,2-Trichloroethane	10.65	97	59901	49.375	ug/l	100
56) Ethyl methacrylate	10.51	69	85838	50.231	ug/l	100
57) 1,3-Dichloropropane	10.79	76	101953	48.339	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.79	63	211690	250.916	ug/l	100
59) 2-Hexanone	10.83	43	192002	249.209	ug/l	100
60) Dibromochloromethane	10.98	129	64975	51.245	ug/l	100
61) 1,2-Dibromoethane	11.09	107	56806	49.823	ug/l	100
64) Tetrachloroethene	10.72	164	73265	48.923	ug/l	100
65) Chlorobenzene	11.51	112	193417	48.428	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	63572	49.537	ug/l	100
67) Ethyl Benzene	11.59	91	354052	48.769	ug/l	100
68) m/p-Xylenes	11.70	106	276695	98.835	ug/l	100
69) o-Xylene	12.02	106	130716	48.843	ug/l	100
70) Styrene	12.04	104	228407	50.512	ug/l	100
71) Bromoform	12.20	173	35964	49.634	ug/l	# 100
73) Isopropylbenzene	12.32	105	336997	48.614	ug/l	100
74) N-amyl acetate	12.14	43	96611	50.006	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.58	83	67600	48.842	ug/l	100
76) 1,2,3-Trichloropropane	12.63	75	40552m	23.255	ug/l	
77) Bromobenzene	12.60	156	71890	49.594	ug/l	100
78) n-propylbenzene	12.66	91	415865	48.508	ug/l	100
79) 2-Chlorotoluene	12.75	91	227184	48.271	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	283108	48.802	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	27921	50.300	ug/l	100
82) 4-Chlorotoluene	12.85	91	240418	49.528	ug/l	100
83) tert-Butylbenzene	13.07	119	234939	49.440	ug/l	100
84) 1,2,4-Trimethylbenzene	13.12	105	285262	49.273	ug/l	100
85) sec-Butylbenzene	13.25	105	349581	49.211	ug/l	100
86) p-Isopropyltoluene	13.37	119	299359	49.425	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	141169	49.773	ug/l	100
88) 1,4-Dichlorobenzene	13.44	146	142330	49.164	ug/l	100
89) n-Butylbenzene	13.69	91	306023	49.257	ug/l	100
90) Hexachloroethane	13.96	117	58487	48.761	ug/l	100
91) 1,2-Dichlorobenzene	13.73	146	133447	49.874	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.35	75	11510	45.244	ug/l	100

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY092319\
Data File : VY000128.D
Acq On : 23 Sep 2019 12:09
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.00ml/MSVOA Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

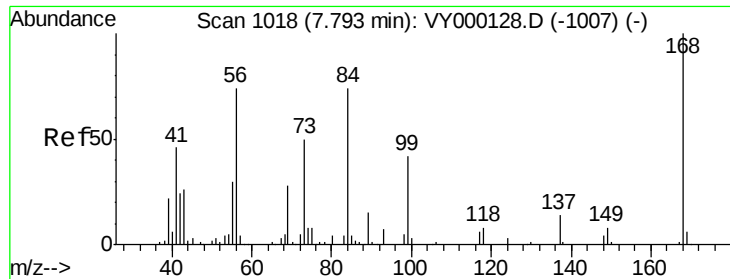
Manual Integrations
APPROVED

MMDadoda
9/25/2019 12:39:22 AM

Quant Time: Sep 24 05:07:59 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y092319S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 24 04:45:28 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	85713	49.823	ug/l	100
94) Hexachlorobutadiene	15.10	225	37169	48.610	ug/l	100
95) Naphthalene	15.23	128	213626	49.122	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	76673	49.971	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.79 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VY000128.D

Acq: 23 Sep 2019 12:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 117221

Ion Ratio Lower Upper

168 100

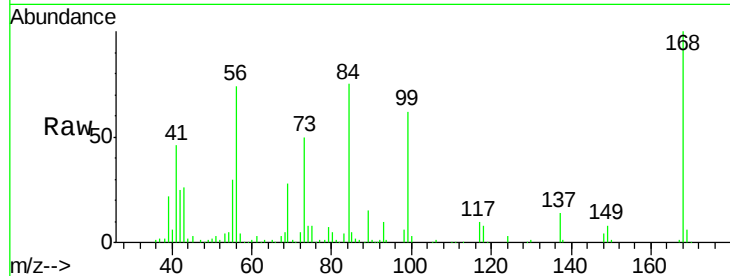
99 62.4 49.9 74.9

Manual Integrations

APPROVED

MMDadoda

9/25/2019 12:39:22 AM



Abundance Ion 167.90 (167.60 to 168.60): VY000128.D (-1007) (-)

Ion 98.90 (98.60 to 99.60): VY000128.D (-1007) (-)

7.79

60000

50000

40000

30000

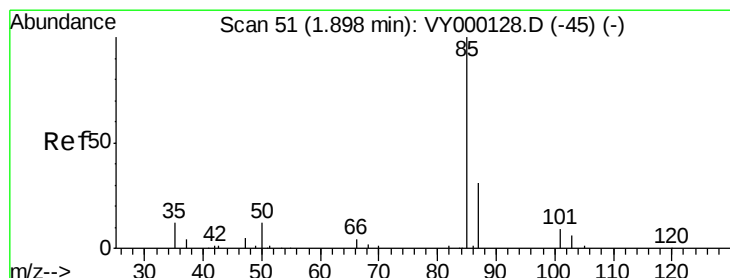
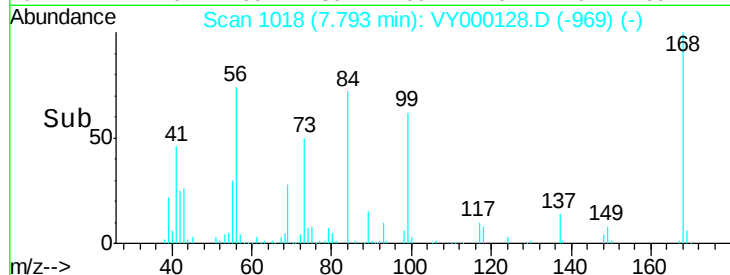
20000

10000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 45.290 ug/l

RT: 1.90 min Scan# 51

Delta R.T. 0.00 min

Lab File: VY000128.D

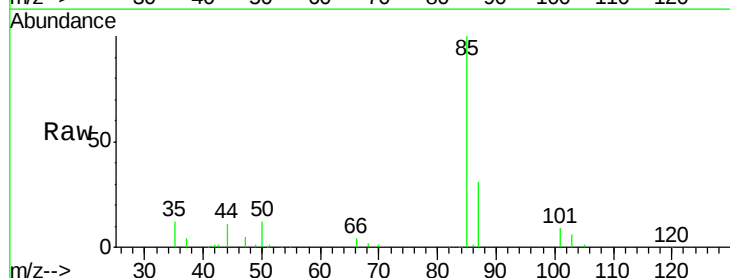
Acq: 23 Sep 2019 12:09

Tgt Ion: 85 Resp: 52666

Ion Ratio Lower Upper

85 100

87 30.9 15.4 46.4



Abundance Ion 84.90 (84.60 to 85.60): VY000128.D (-45) (-)

Ion 86.90 (86.60 to 87.60): VY000128.D (-45) (-)

1.90

30000

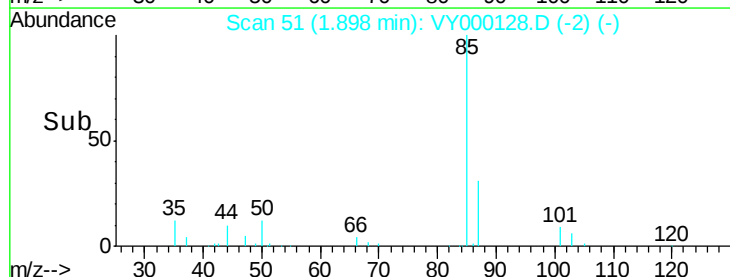
20000

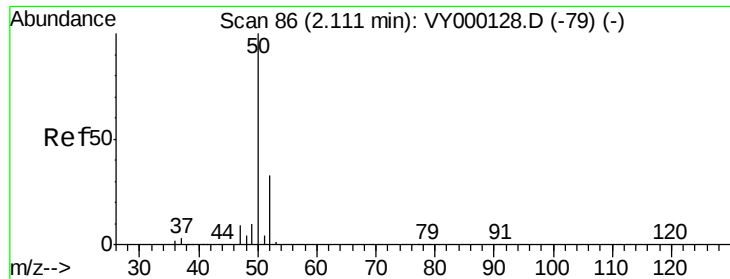
10000

0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 38.866 ug/l

RT: 2.11 min Scan# 86

Delta R.T. 0.00 min

Lab File: VY000128.D

Acq: 23 Sep 2019 12:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 83504

Ion Ratio Lower Upper

50 100

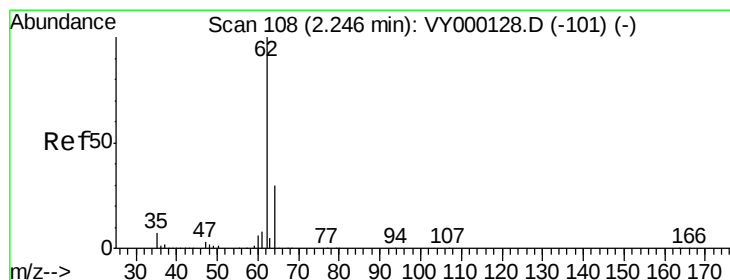
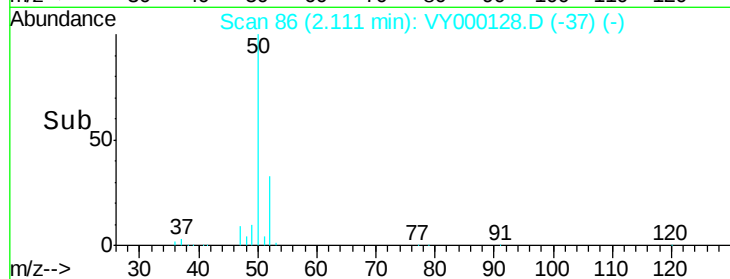
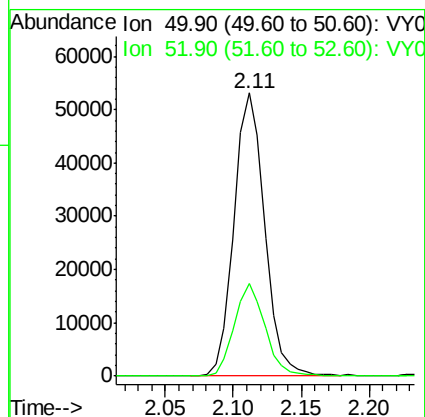
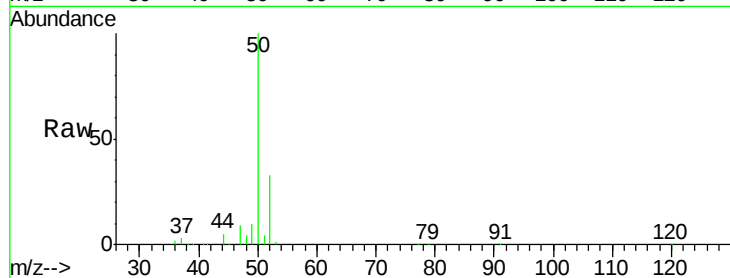
52 32.8 26.2 39.4

Manual Integrations

APPROVED

MMDadoda

9/25/2019 12:39:22 AM



#4

Vinyl Chloride

Concen: 48.174 ug/l

RT: 2.25 min Scan# 108

Delta R.T. 0.00 min

Lab File: VY000128.D

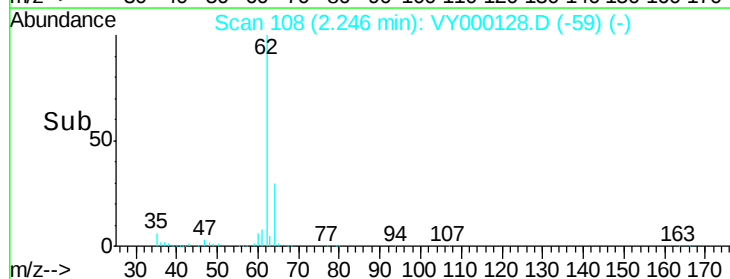
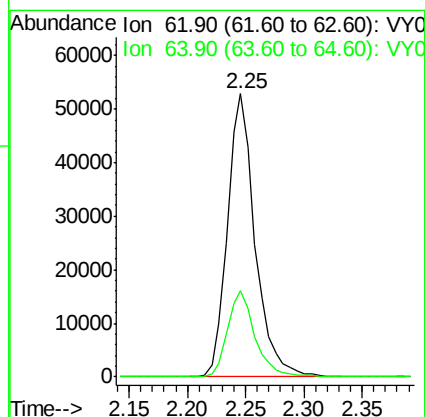
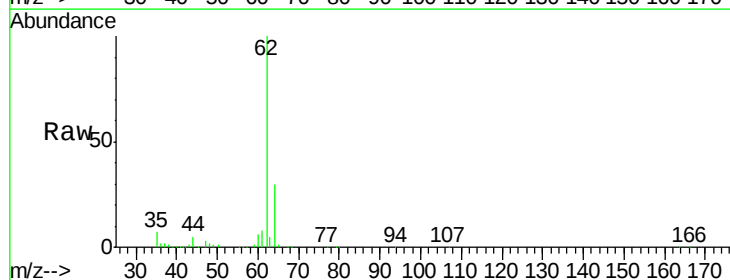
Acq: 23 Sep 2019 12:09

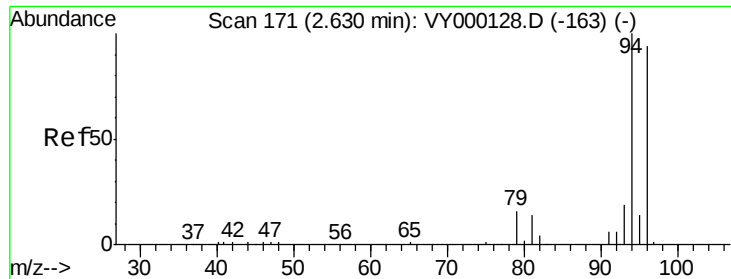
Tgt Ion: 62 Resp: 86822

Ion Ratio Lower Upper

62 100

64 30.5 24.4 36.6





#5

Bromomethane

Concen: 46.245 ug/l

RT: 2.63 min Scan# 171

Delta R.T. 0.00 min

Lab File: VY000128.D

Acq: 23 Sep 2019 12:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 51625

Ion Ratio Lower Upper

94 100

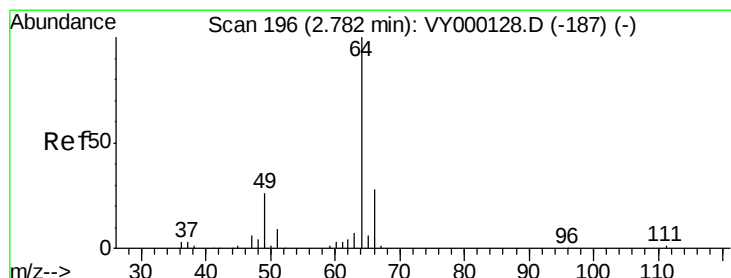
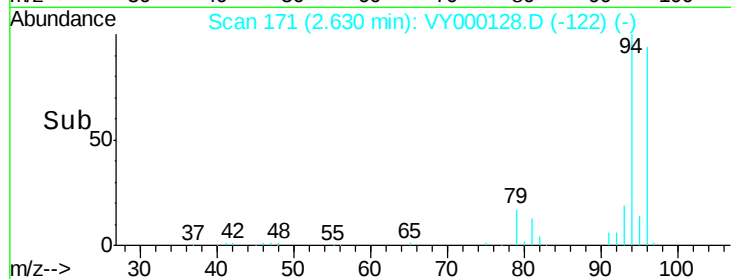
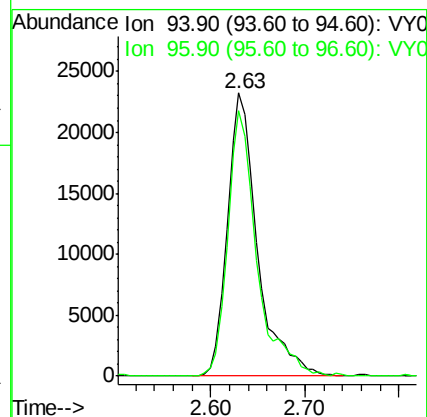
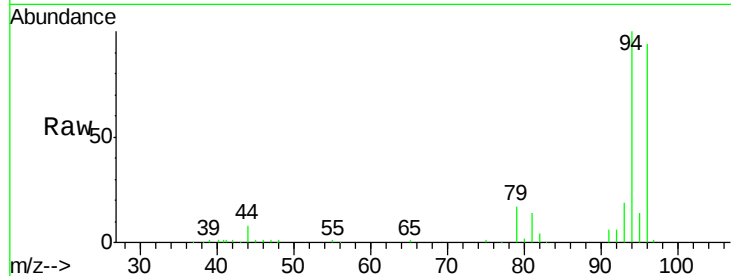
96 93.9 75.1 112.7

Manual Integrations

APPROVED

MMDadoda

9/25/2019 12:39:22 AM



#6

Chloroethane

Concen: 46.908 ug/l

RT: 2.78 min Scan# 196

Delta R.T. 0.00 min

Lab File: VY000128.D

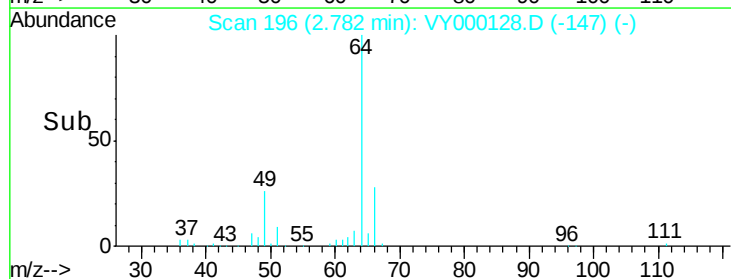
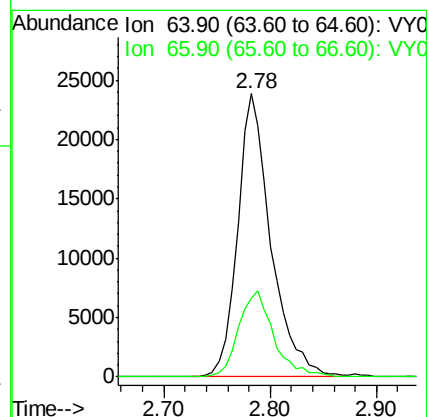
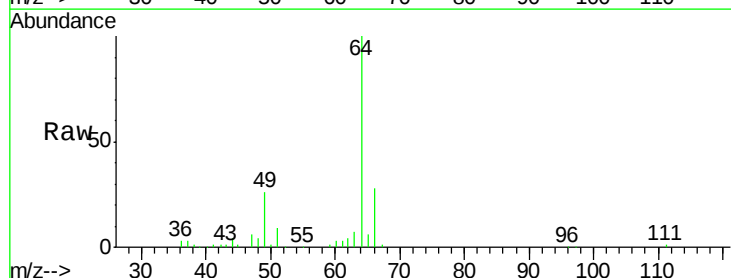
Acq: 23 Sep 2019 12:09

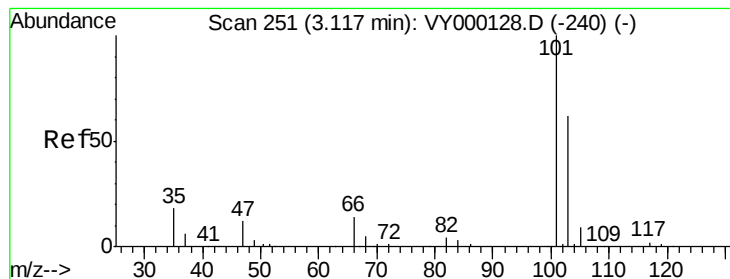
Tgt Ion: 64 Resp: 52227

Ion Ratio Lower Upper

64 100

66 28.0 22.4 33.6





#7

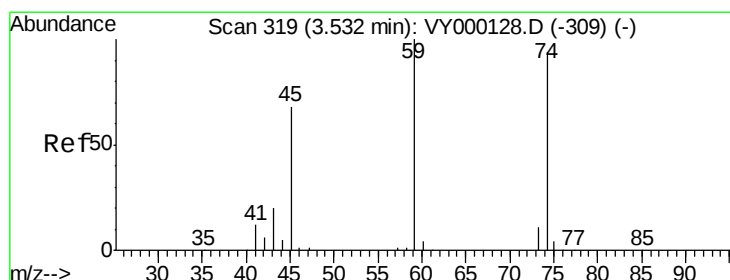
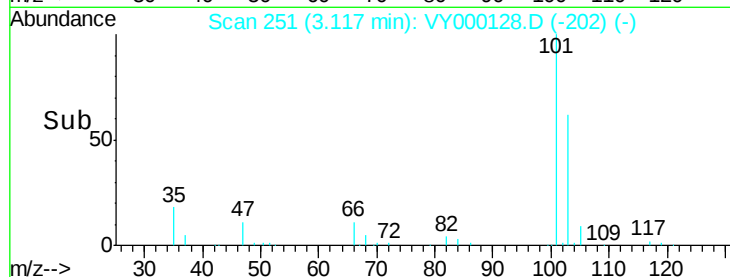
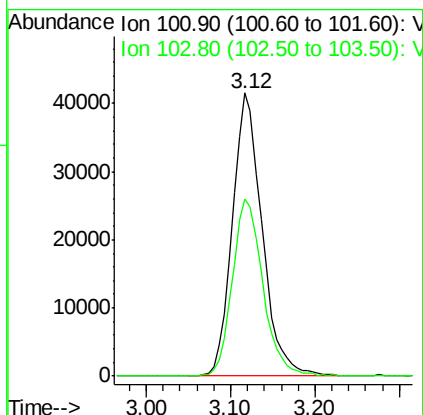
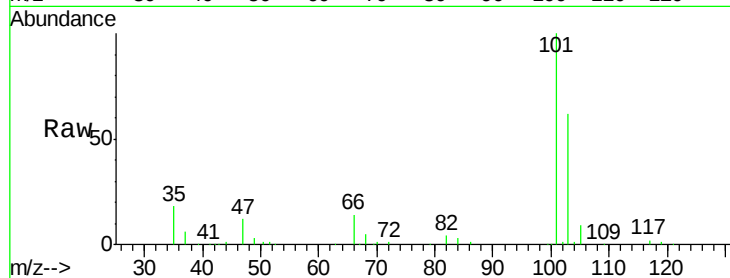
Trichlorofluoromethane
 Concen: 48.181 ug/l
 RT: 3.12 min Scan# 251
 Delta R.T. 0.00 min
 Lab File: VY000128.D
 Acq: 23 Sep 2019 12:09

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.4	49.9	74.9

Manual Integrations
 APPROVED

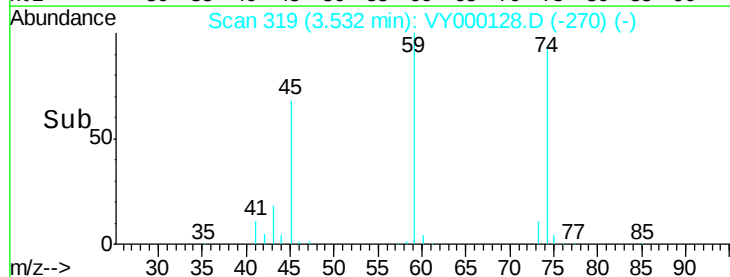
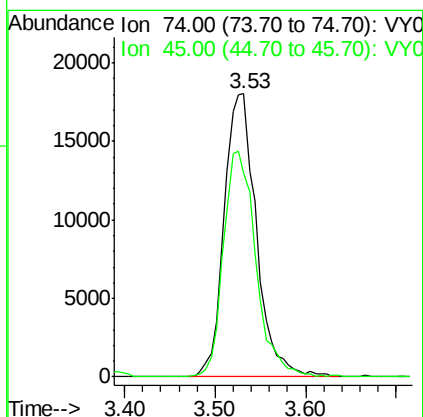
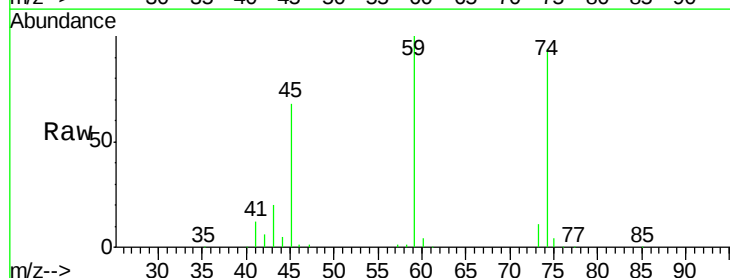
MMDadoda
 9/25/2019 12:39:22 AM

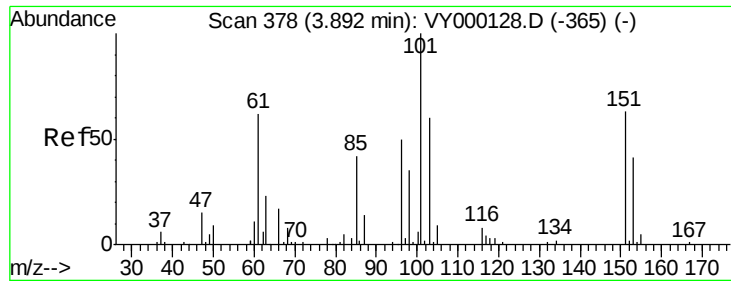


#8

Diethyl Ether
 Concen: 50.618 ug/l
 RT: 3.53 min Scan# 319
 Delta R.T. 0.00 min
 Lab File: VY000128.D
 Acq: 23 Sep 2019 12:09

Tgt Ion	Ratio	Lower	Upper
74	100		
45	80.1	40.1	120.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.475 ug/l

RT: 3.89 min Scan# 378

Delta R.T. 0.00 min

Lab File: VY000128.D

Acq: 23 Sep 2019 12:09

Instrument :

MSVOA_Y

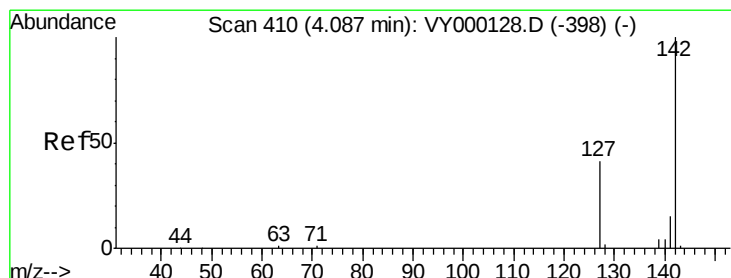
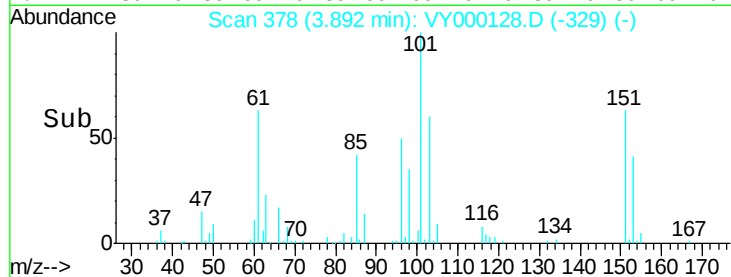
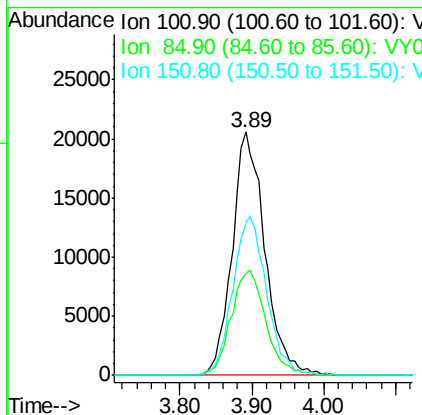
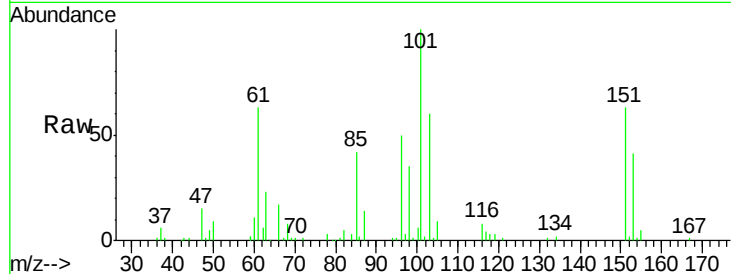
ClientSampleId :

VSTDICCC050

Tot Ion:	101	Resp:	64800
Ion Ratio	Lower	Upper	
101	100		
85	45.9	36.7	55.1
151	67.4	53.9	80.9

Manual Integrations
APPROVED

MMDadoda
9/25/2019 12:39:22 AM



#10

Methyl Iodide

Concen: 54.543 ug/l

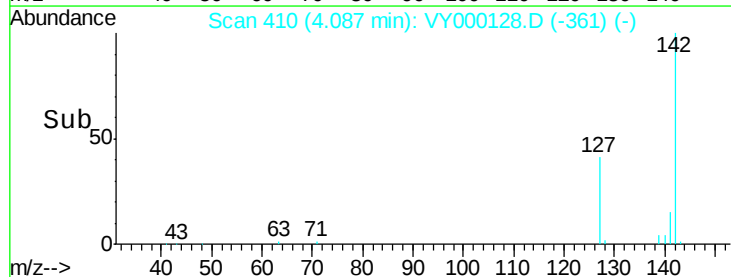
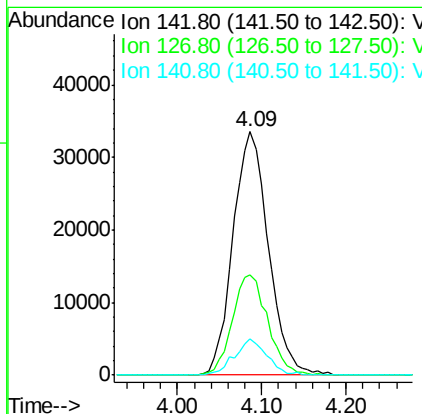
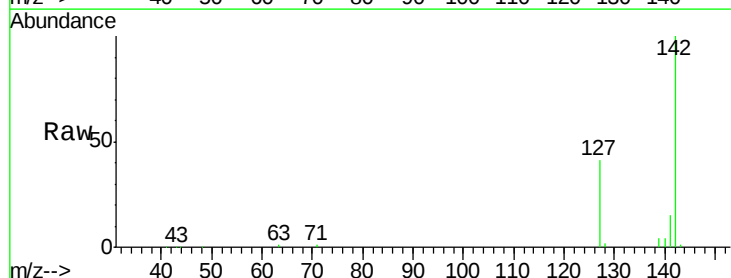
RT: 4.09 min Scan# 410

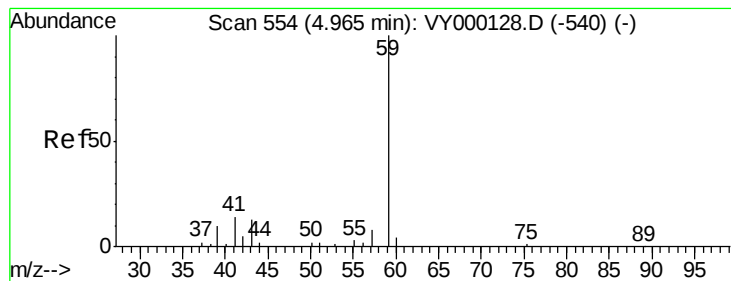
Delta R.T. 0.00 min

Lab File: VY000128.D

Acq: 23 Sep 2019 12:09

Tgt Ion:	142	Resp:	95507
Ion Ratio	Lower	Upper	
142	100		
127	41.0	32.8	49.2
141	13.5	10.8	16.2





#11

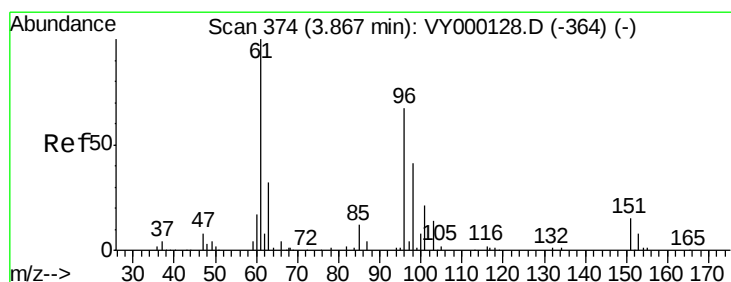
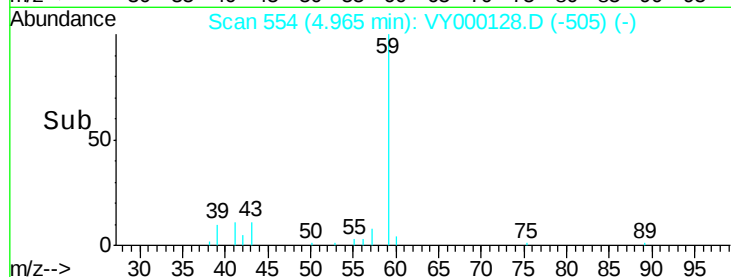
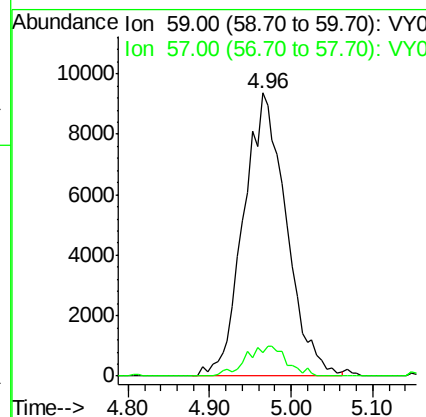
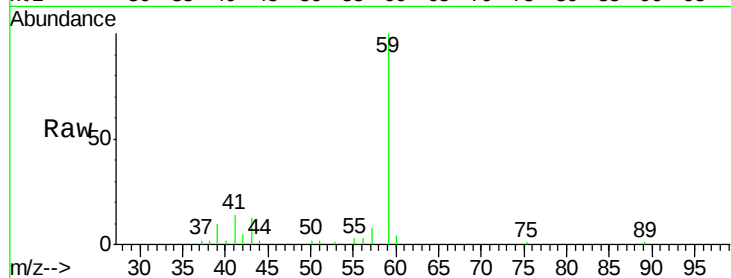
Tert butyl alcohol
Concen: 245.010 ug/l
RT: 4.96 min Scan# 554
Delta R.T. 0.00 min
Lab File: VY000128.D
Acq: 23 Sep 2019 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.2	12.4

Manual Integrations
APPROVED

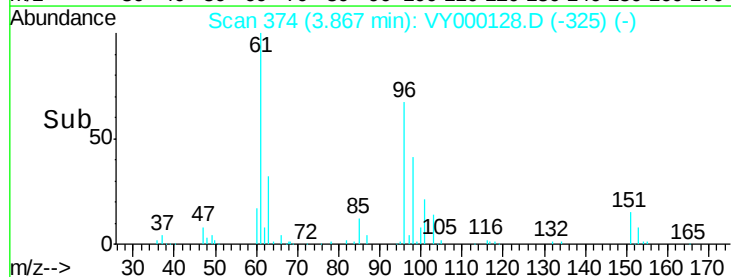
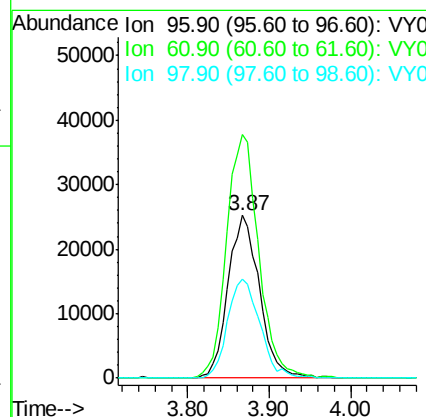
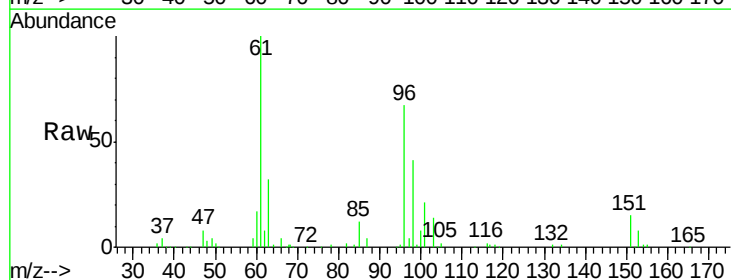
MMDadoda
9/25/2019 12:39:22 AM

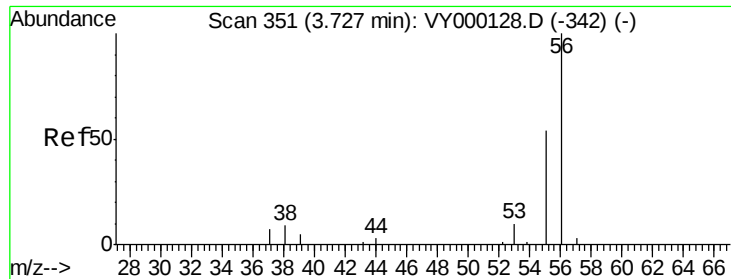


#12

1,1-Dichloroethene
Concen: 47.729 ug/l
RT: 3.87 min Scan# 374
Delta R.T. 0.00 min
Lab File: VY000128.D
Acq: 23 Sep 2019 12:09

Tgt Ion	Ratio	Lower	Upper
96	100		
61	149.7	119.8	179.6
98	61.0	48.8	73.2





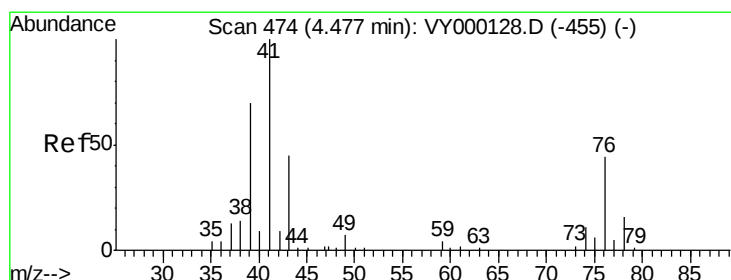
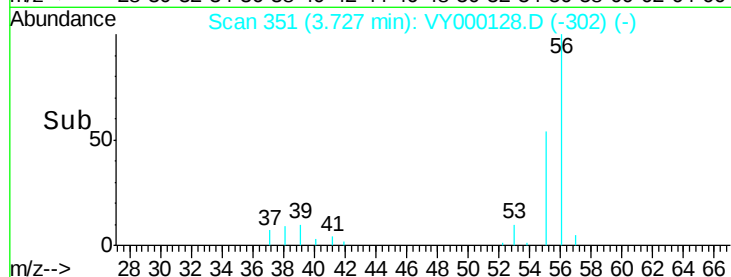
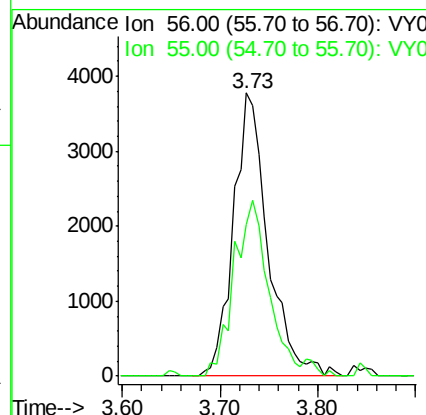
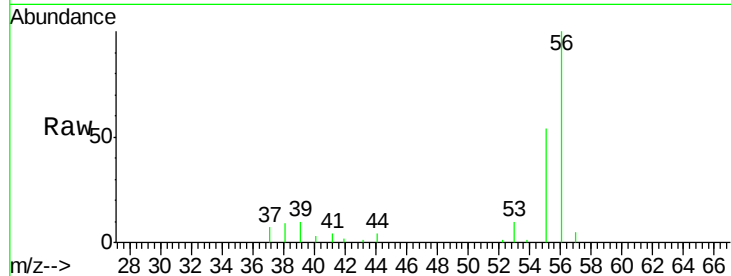
#13
Acrolein
Concen: 163.562 ug/l
RT: 3.73 min Scan# 351
Delta R.T. 0.00 min
Lab File: VY000128.D
Acq: 23 Sep 2019 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion: 56 Resp: 9245
Ion Ratio Lower Upper
56 100
55 61.7 49.4 74.0

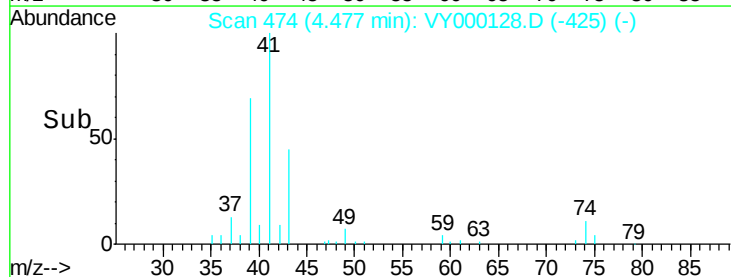
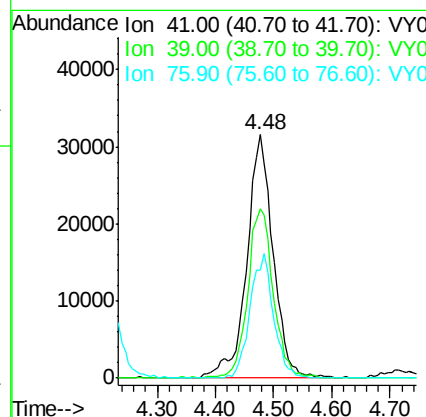
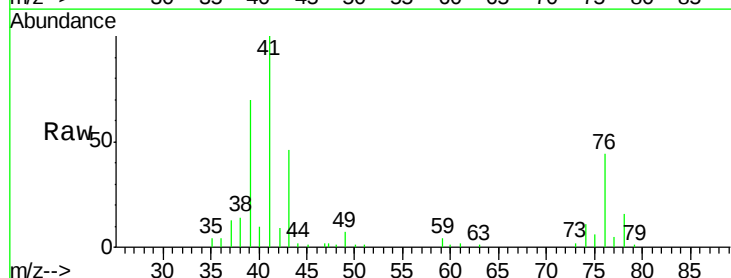
Manual Integrations
APPROVED

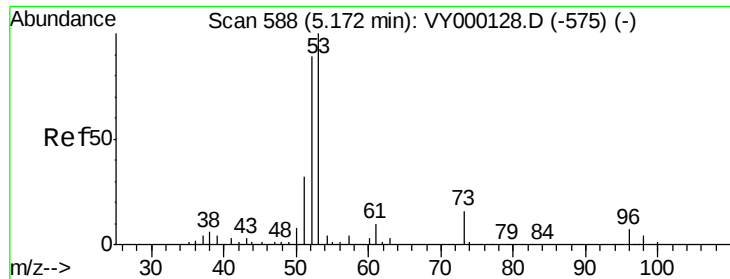
MMDadoda
9/25/2019 12:39:22 AM



#14
Allyl chloride
Concen: 49.559 ug/l
RT: 4.48 min Scan# 474
Delta R.T. 0.00 min
Lab File: VY000128.D
Acq: 23 Sep 2019 12:09

Tgt Ion: 41 Resp: 98621
Ion Ratio Lower Upper
41 100
39 65.9 52.7 79.1
76 45.8 36.6 55.0





#15

Acrylonitrile

Concen: 240.597 ug/l

RT: 5.17 min Scan# 588

Delta R.T. 0.00 min

Lab File: VY000128.D

Acq: 23 Sep 2019 12:09

Instrument :

MSVOA_Y

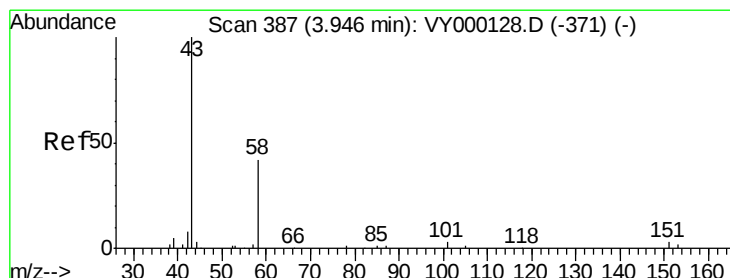
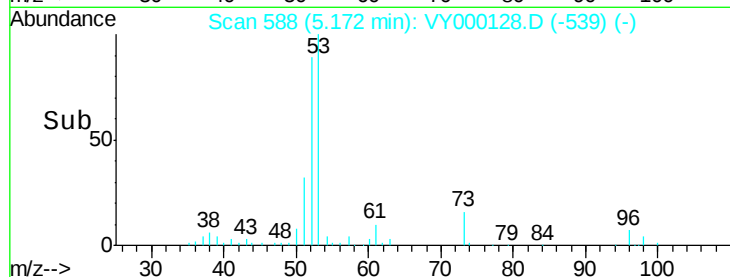
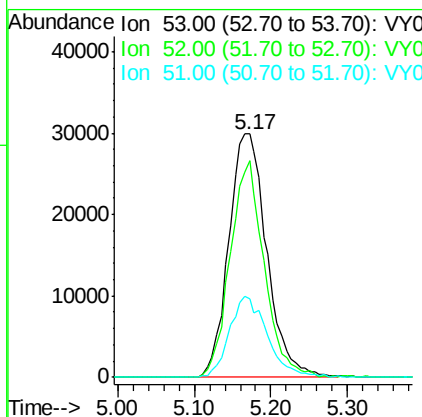
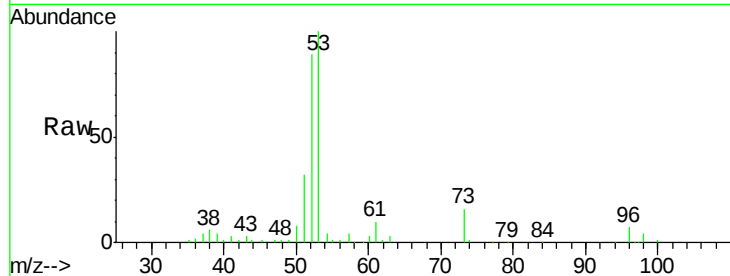
ClientSampleId :

VSTDICCC050

Tot Ion:	53	Resp:	102916
Ion	Ratio	Lower	Upper
53	100		
52	79.8	63.8	95.8
51	33.3	26.6	40.0

Manual Integrations
APPROVED

MMDadoda
9/25/2019 12:39:22 AM



#16

Acetone

Concen: 239.143 ug/l

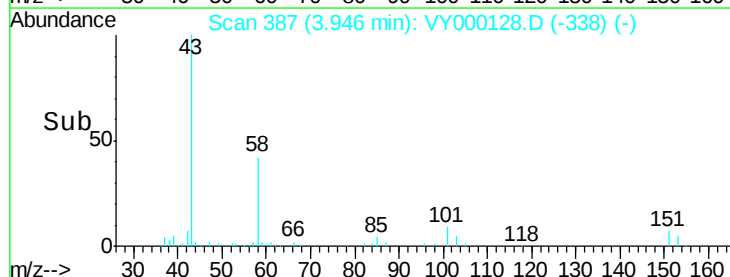
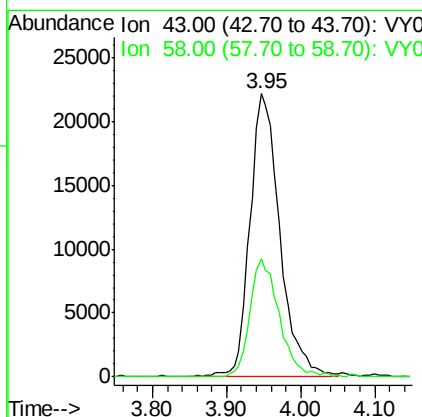
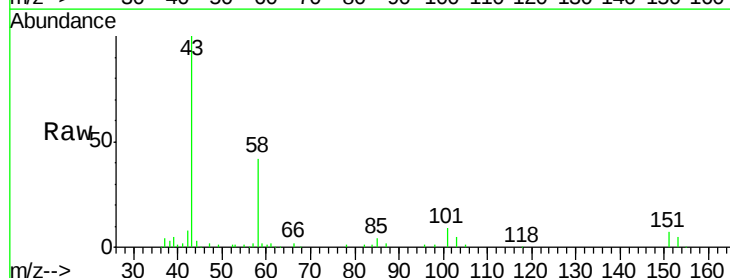
RT: 3.95 min Scan# 387

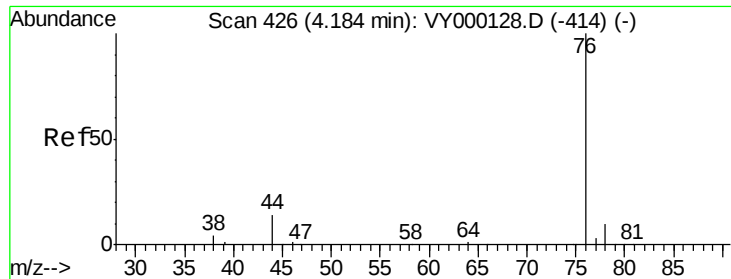
Delta R.T. 0.00 min

Lab File: VY000128.D

Acq: 23 Sep 2019 12:09

Tgt Ion:	43	Resp:	62642
Ion	Ratio	Lower	Upper
43	100		
58	41.9	33.5	50.3





#17

Carbon Disulfide

Concen: 49.254 ug/l

RT: 4.18 min Scan# 426

Delta R.T. 0.00 min

Lab File: VY000128.D

Acq: 23 Sep 2019 12:09

Tot Ion: 76 Resp: 239239

Ion Ratio Lower Upper

76 100

78 9.9 7.9 11.9

Instrument :

MSVOA_Y

ClientSampleId :

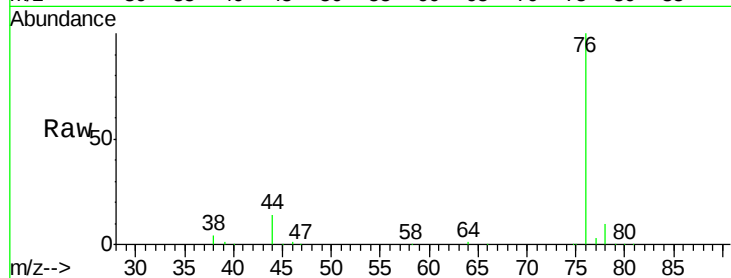
VSTDICCC050

Manual Integrations

APPROVED

MMDadoda

9/25/2019 12:39:22 AM



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0

4.18

80000

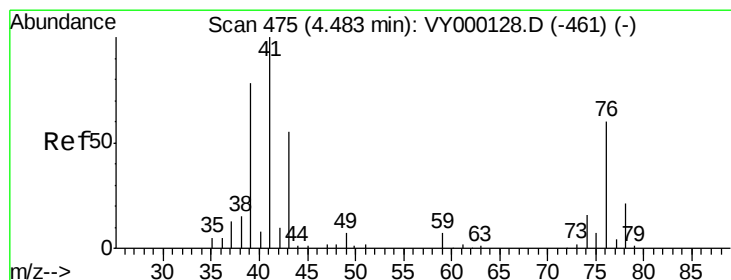
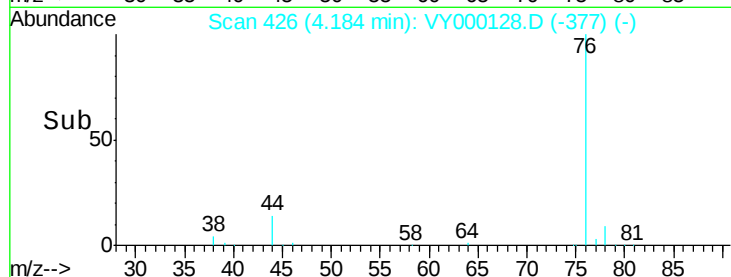
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 47.745 ug/l

RT: 4.48 min Scan# 475

Delta R.T. 0.00 min

Lab File: VY000128.D

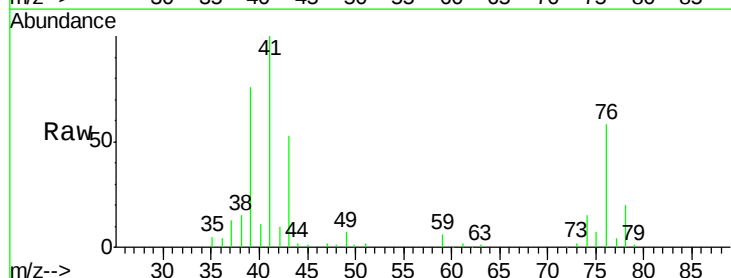
Acq: 23 Sep 2019 12:09

Tgt Ion: 43 Resp: 45816

Ion Ratio Lower Upper

43 100

74 28.4 22.7 34.1



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0

4.48

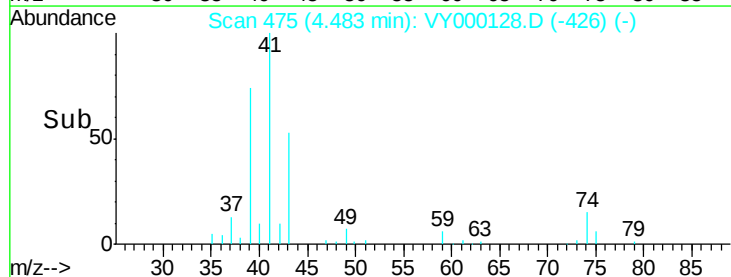
15000

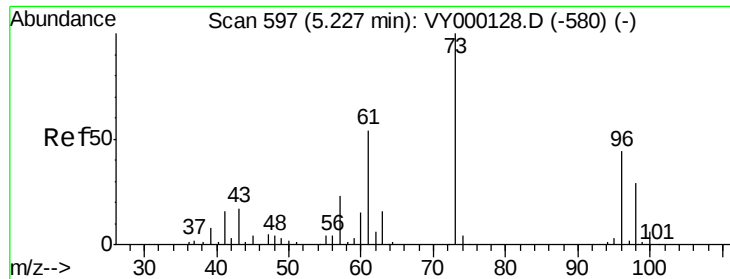
10000

5000

0

Time-->





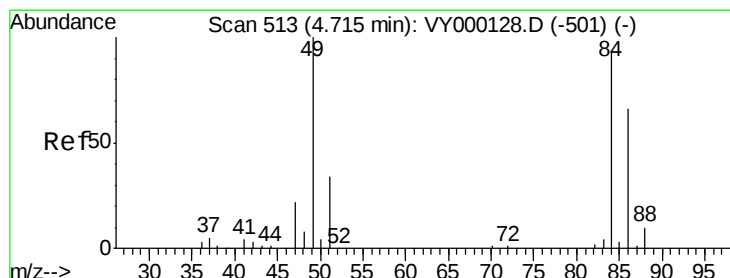
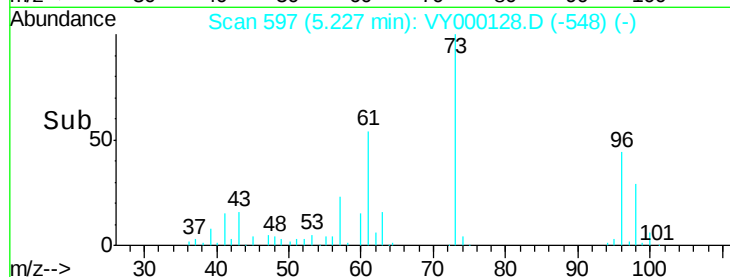
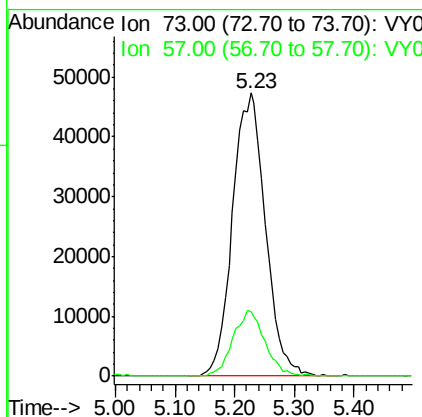
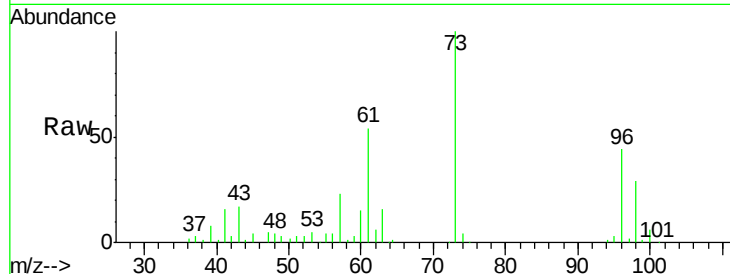
#19
Methyl tert-butyl Ether
Concen: 49.563 ug/l
RT: 5.23 min Scan# 597
Delta R.T. 0.00 min
Lab File: VY000128.D
Acq: 23 Sep 2019 12:09

Instrument :
MSVOA_Y
ClientSampleID :
VSTDICCC050

Tot Ion: 73 Resp: 181562
Ion Ratio Lower Upper
73 100
57 22.9 18.3 27.5

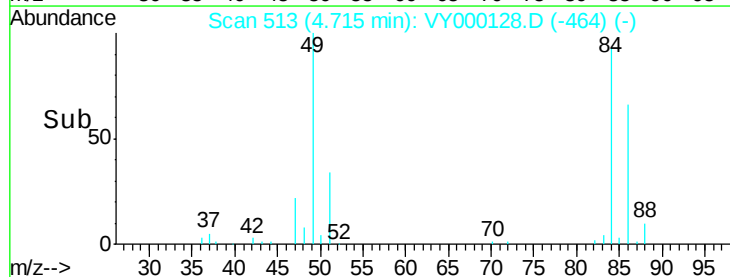
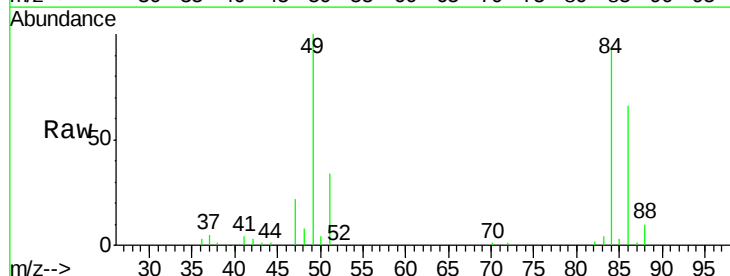
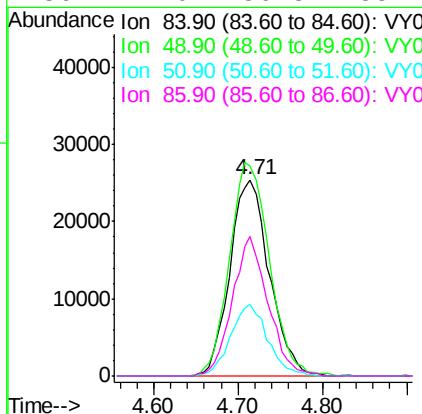
Manual Integrations
APPROVED

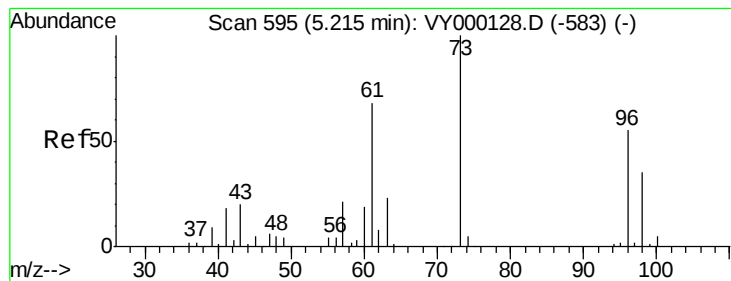
MMDadoda
9/25/2019 12:39:22 AM



#20
Methylene Chloride
Concen: 45.888 ug/l
RT: 4.71 min Scan# 513
Delta R.T. 0.00 min
Lab File: VY000128.D
Acq: 23 Sep 2019 12:09

Tgt Ion: 84 Resp: 80776
Ion Ratio Lower Upper
84 100
49 107.2 85.8 128.6
51 36.5 29.2 43.8
86 71.0 56.8 85.2





#21

trans-1,2-Dichloroethene

Concen: 48.965 ug/l

RT: 5.21 min Scan# 595

Delta R.T. 0.00 min

Lab File: VY000128.D

Acq: 23 Sep 2019 12:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tot Ion: 96 Resp: 77846

Ion Ratio Lower Upper

96 100

61 123.8 99.0 148.6

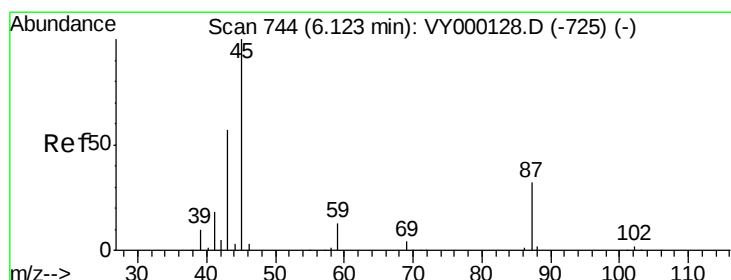
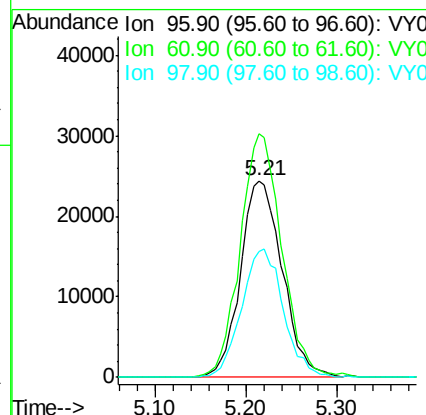
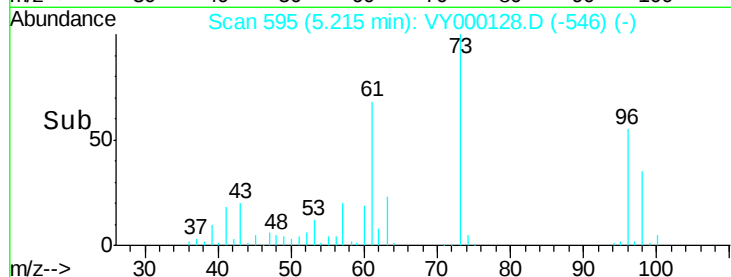
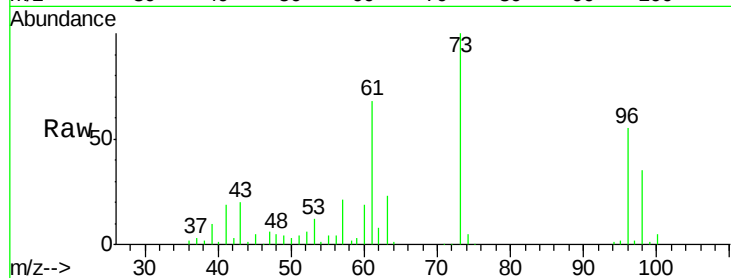
98 63.7 51.0 76.4

Manual Integrations

APPROVED

MMDadoda

9/25/2019 12:39:22 AM



#22

Diisopropyl ether

Concen: 47.489 ug/l

RT: 6.12 min Scan# 744

Delta R.T. 0.00 min

Lab File: VY000128.D

Acq: 23 Sep 2019 12:09

Tgt Ion: 45 Resp: 201485

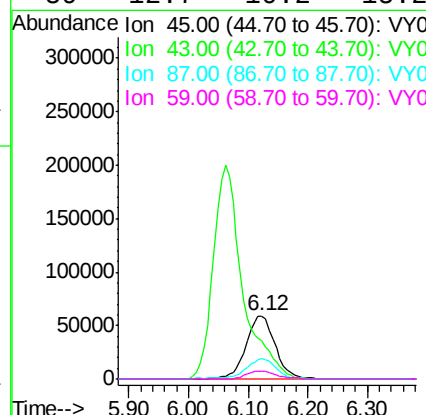
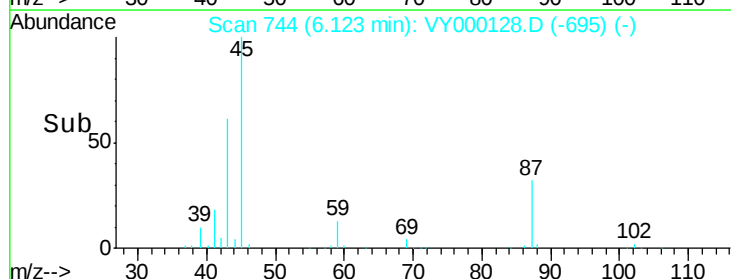
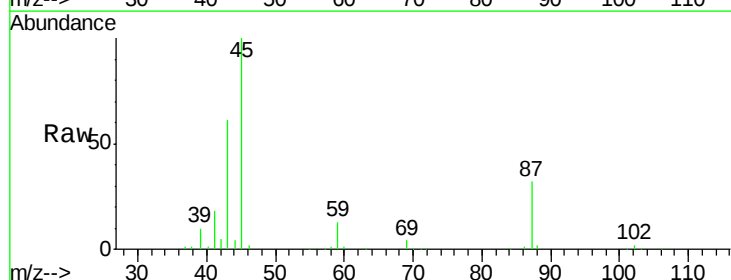
Ion Ratio Lower Upper

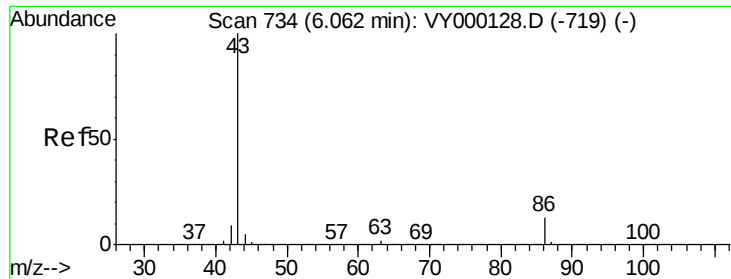
45 100

43 60.3 48.2 72.4

87 32.4 25.9 38.9

59 12.7 10.2 15.2





#23

Vinyl Acetate

Concen: 240.299 ug/l

RT: 6.06 min Scan# 734

Delta R.T. 0.00 min

Lab File: VY000128.D

Acq: 23 Sep 2019 12:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 679443

Ion Ratio Lower Upper

43 100

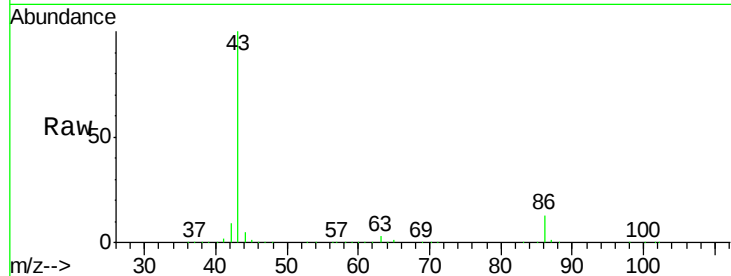
86 13.3 10.6 16.0

Manual Integrations

APPROVED

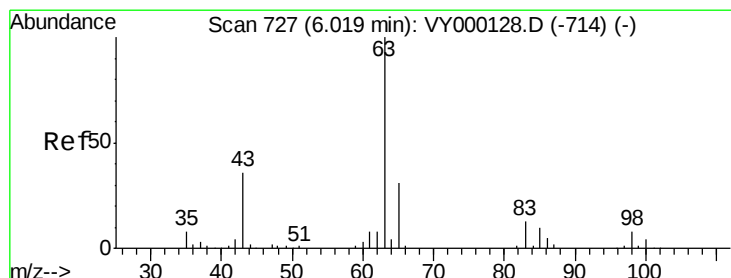
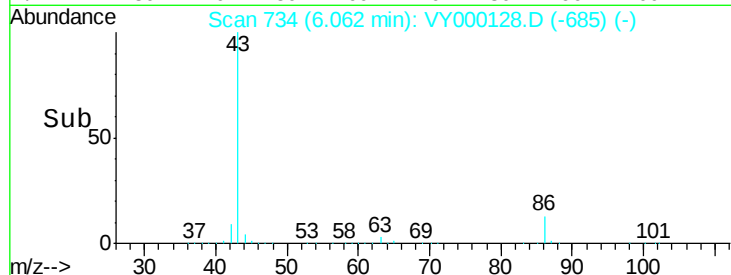
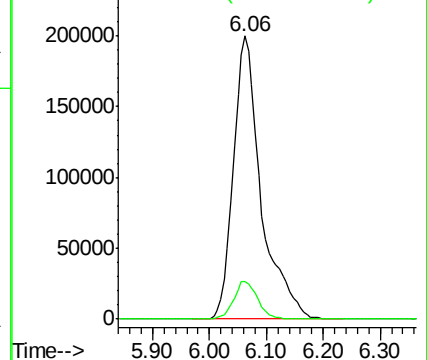
MMDadoda

9/25/2019 12:39:22 AM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 47.540 ug/l

RT: 6.02 min Scan# 727

Delta R.T. 0.00 min

Lab File: VY000128.D

Acq: 23 Sep 2019 12:09

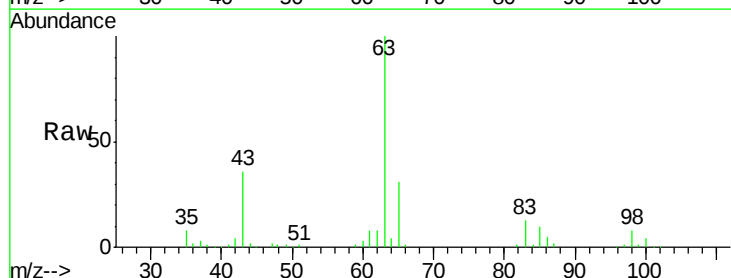
Tgt Ion: 63 Resp: 120155

Ion Ratio Lower Upper

63 100

98 7.8 3.9 11.7

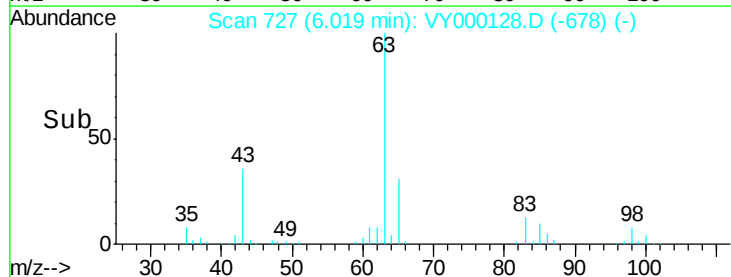
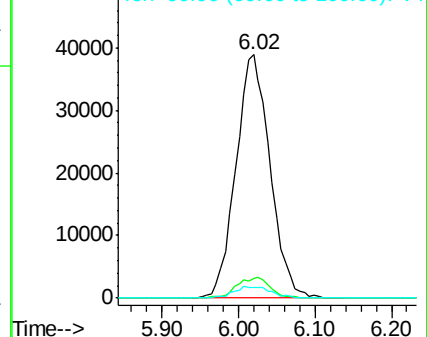
100 4.4 2.2 6.6

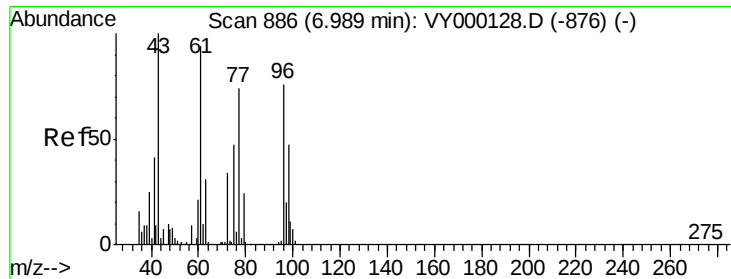


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





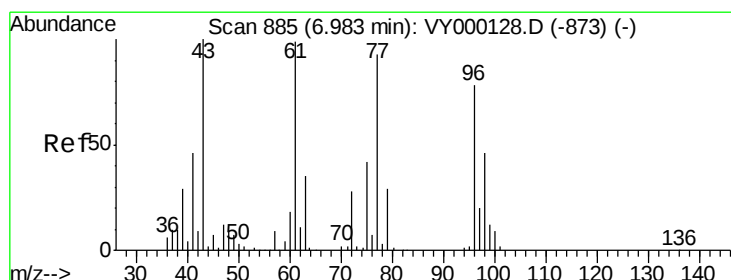
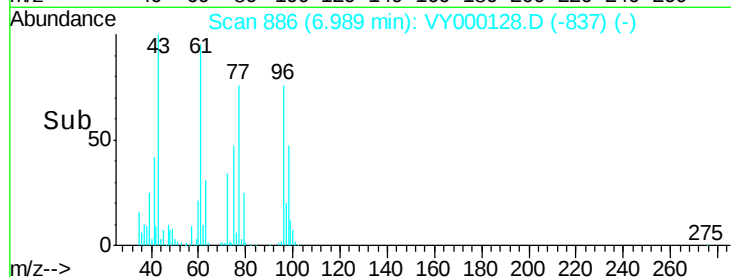
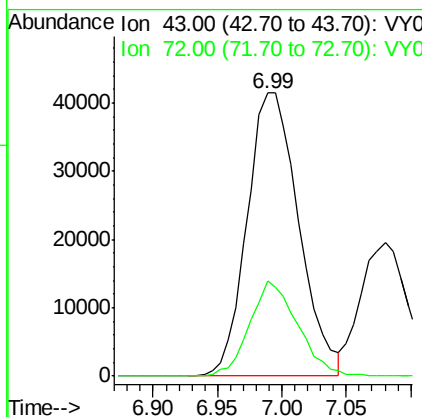
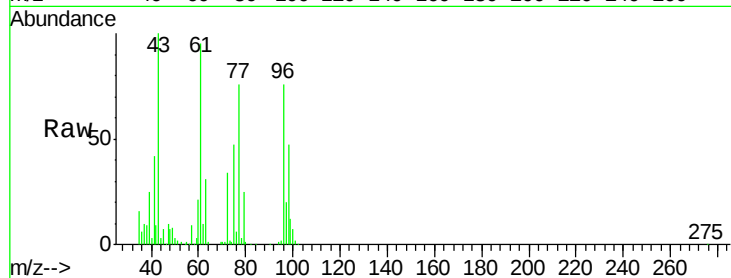
#25
2-Butanone
Concen: 237.314 ug/l
RT: 6.99 min Scan# 886
Delta R.T. 0.00 min
Lab File: VY000128.D
Acq: 23 Sep 2019 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	43	Resp	115332
Ion	Ratio	Lower	Upper
43	100		
72	33.8	27.0	40.6

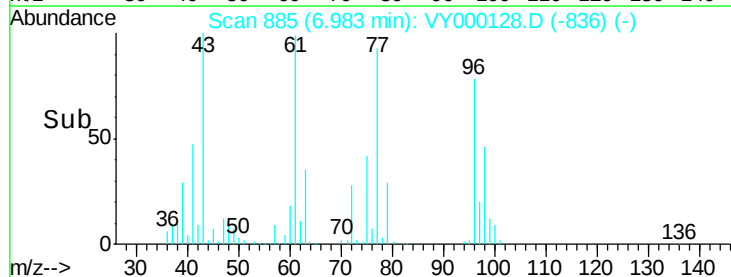
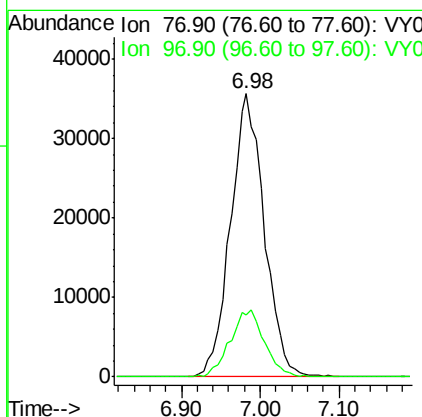
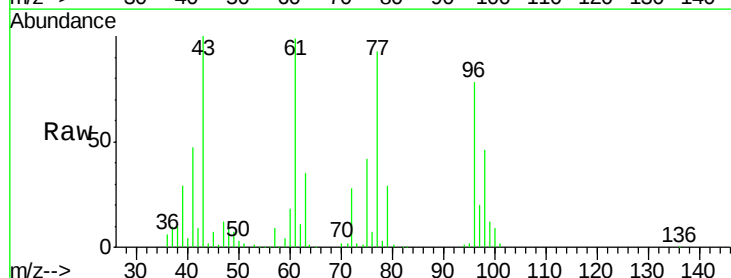
Manual Integrations
APPROVED

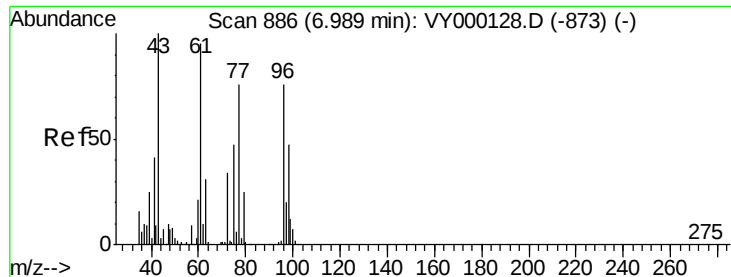
MMDadoda
9/25/2019 12:39:22 AM



#26
2,2-Dichloropropane
Concen: 46.248 ug/l
RT: 6.98 min Scan# 885
Delta R.T. 0.00 min
Lab File: VY000128.D
Acq: 23 Sep 2019 12:09

Tgt Ion	77	Resp	105930
Ion	Ratio	Lower	Upper
77	100		
97	24.0	12.0	36.0





#27

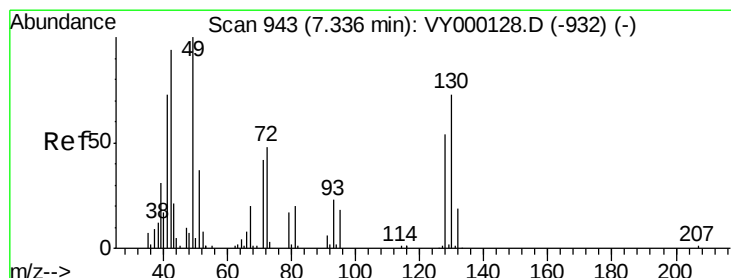
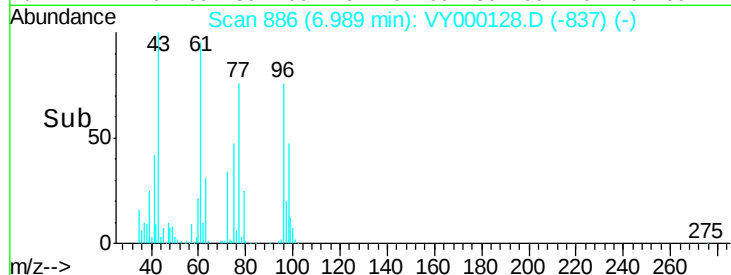
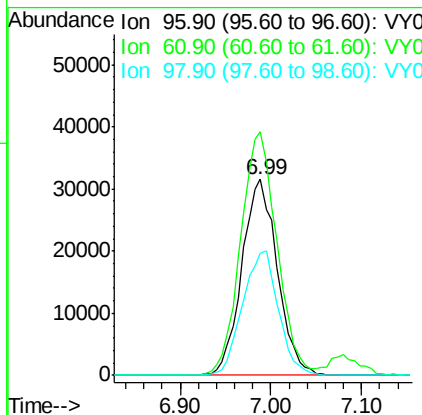
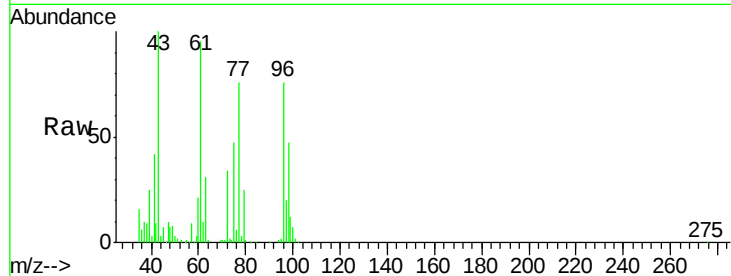
cis-1,2-Dichloroethene
 Concen: 48.296 ug/l
 RT: 6.99 min Scan# 886
 Delta R.T. 0.00 min
 Lab File: VY000128.D
 Acq: 23 Sep 2019 12:09

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	127.4	0.0	254.8
98	63.9	0.0	127.8

Manual Integrations
 APPROVED

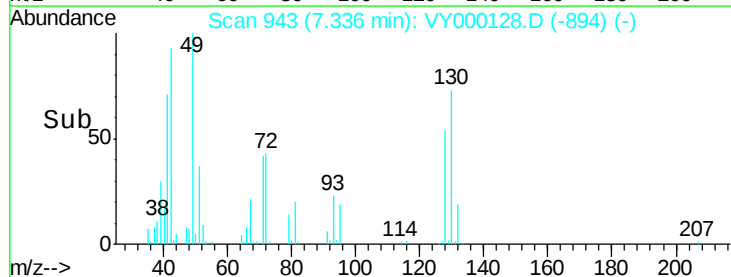
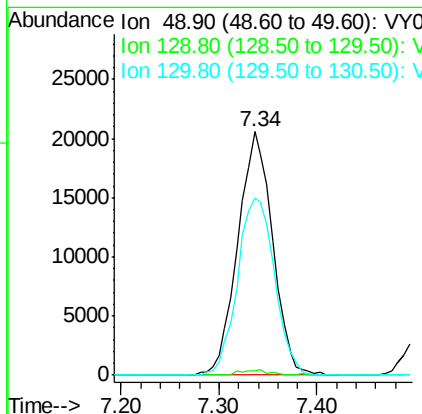
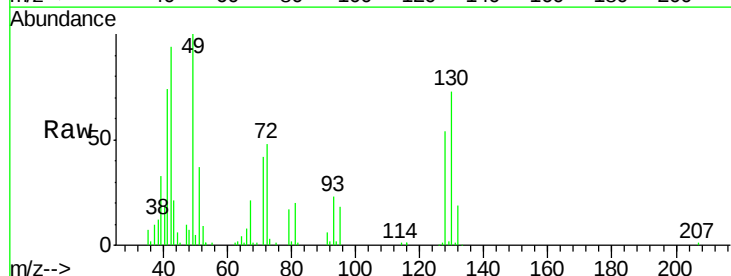
MMDadoda
 9/25/2019 12:39:22 AM

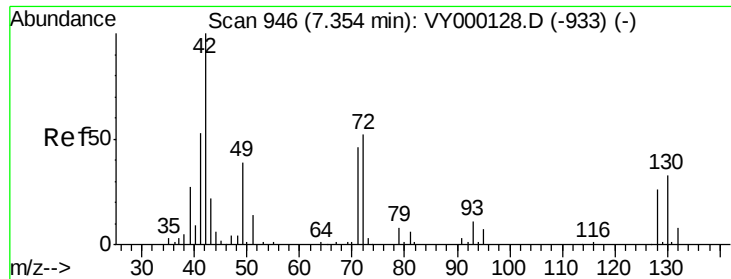


#28

Bromochloromethane
 Concen: 51.367 ug/l
 RT: 7.34 min Scan# 943
 Delta R.T. 0.00 min
 Lab File: VY000128.D
 Acq: 23 Sep 2019 12:09

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.4
130	77.5	62.0	93.0





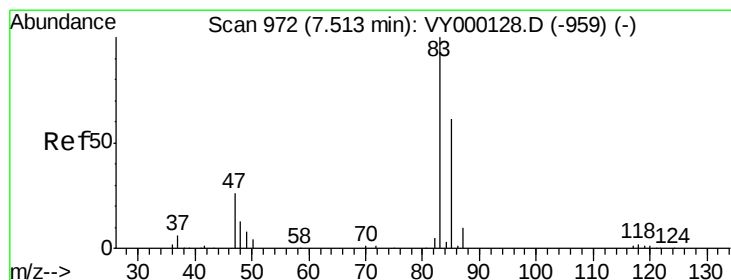
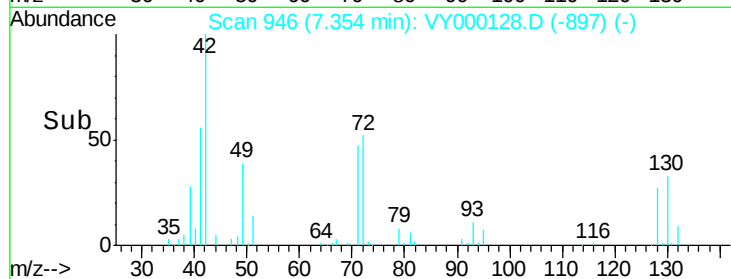
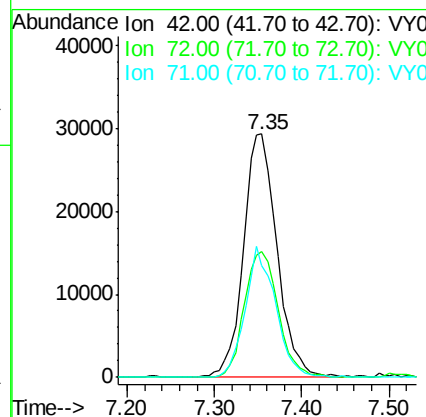
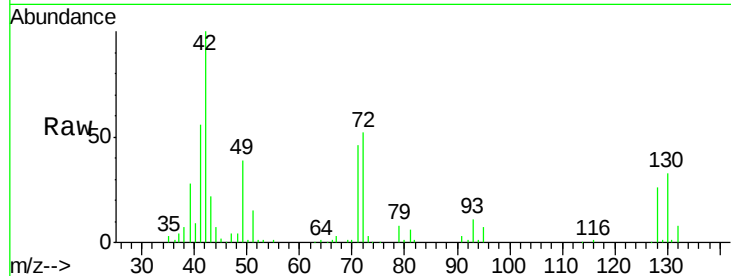
#29
Tetrahydrofuran
Concen: 237.272 ug/l
RT: 7.35 min Scan# 946
Delta R.T. 0.00 min
Lab File: VY000128.D
Acq: 23 Sep 2019 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	52.3	41.8	62.8
71	48.3	38.6	58.0

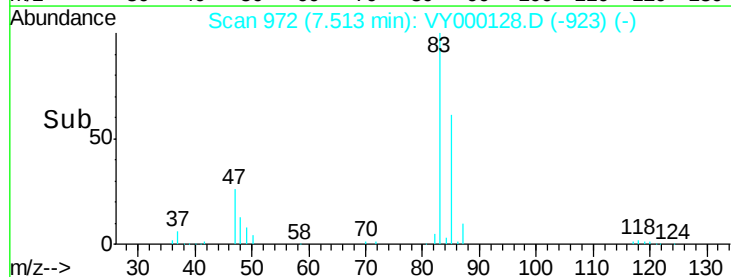
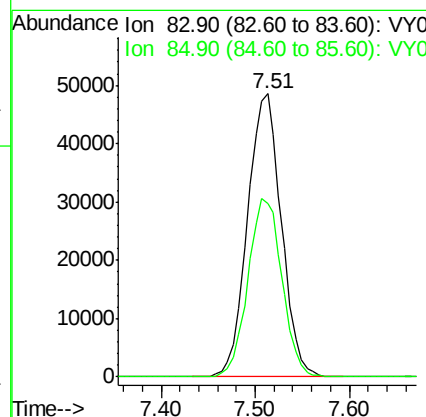
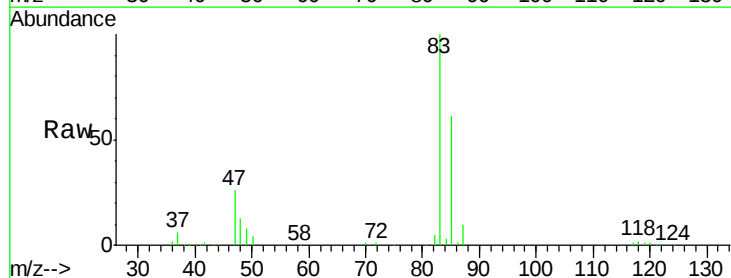
Manual Integrations
APPROVED

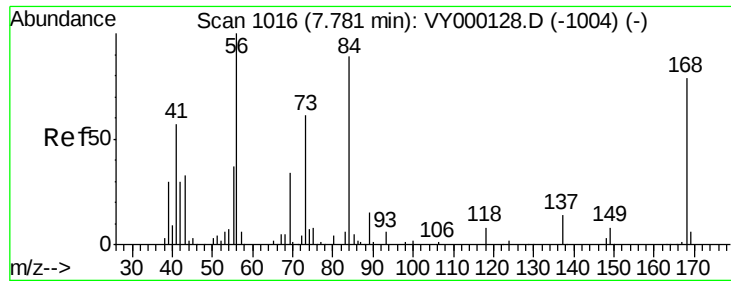
MMDadoda
9/25/2019 12:39:22 AM



#30
Chloroform
Concen: 47.903 ug/l
RT: 7.51 min Scan# 972
Delta R.T. 0.00 min
Lab File: VY000128.D
Acq: 23 Sep 2019 12:09

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.3	49.0	73.6





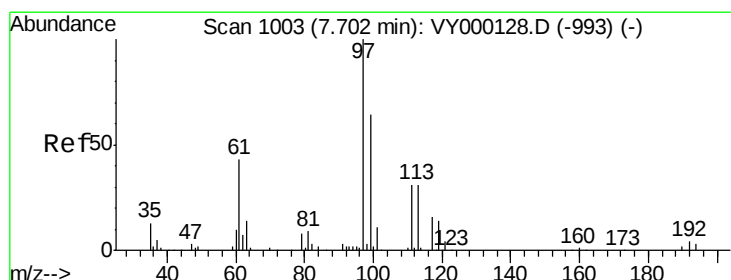
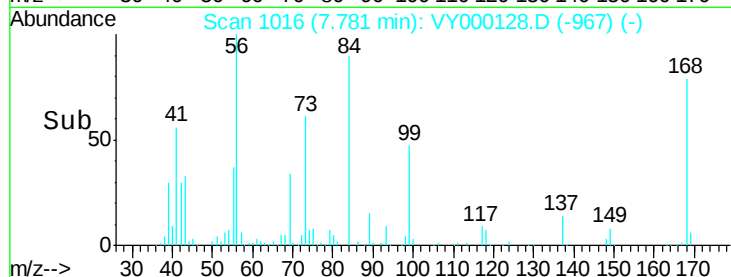
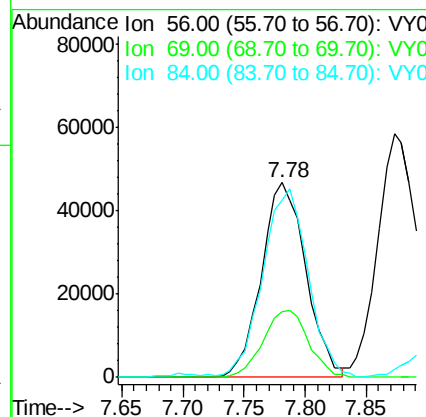
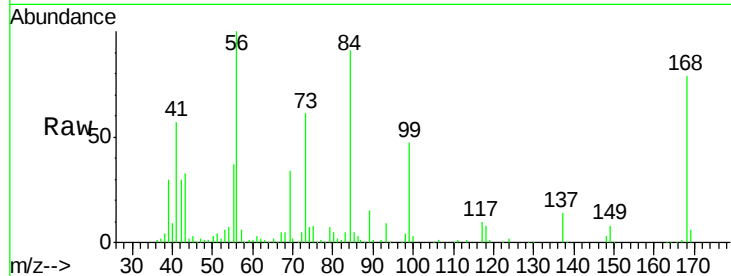
#31
Cyclohexane
Concen: 45.288 ug/l
RT: 7.78 min Scan# 1016
Delta R.T. 0.00 min
Lab File: VY000128.D
Acq: 23 Sep 2019 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.9	27.1	40.7
84	89.1	71.3	106.9

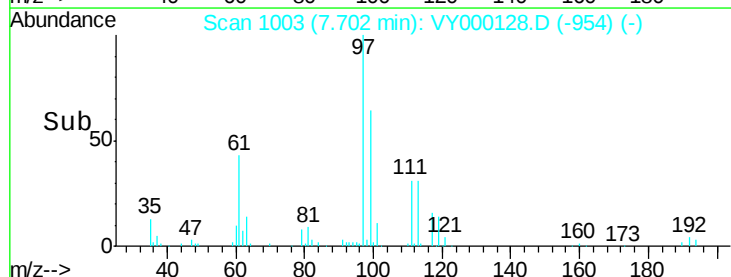
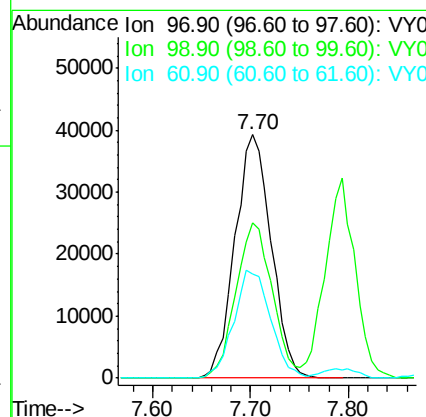
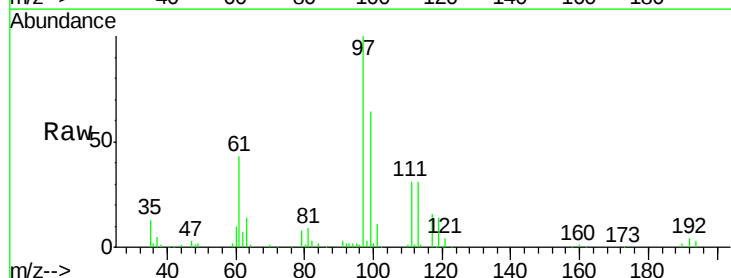
Manual Integrations
APPROVED

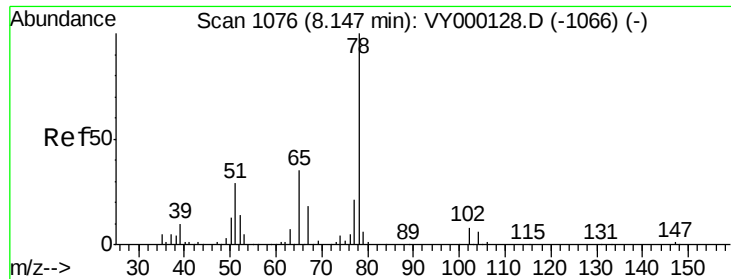
MMDadoda
9/25/2019 12:39:22 AM



#32
1,1,1-Trichloroethane
Concen: 48.303 ug/l
RT: 7.70 min Scan# 1003
Delta R.T. 0.00 min
Lab File: VY000128.D
Acq: 23 Sep 2019 12:09

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.3	76.9
61	45.0	36.0	54.0





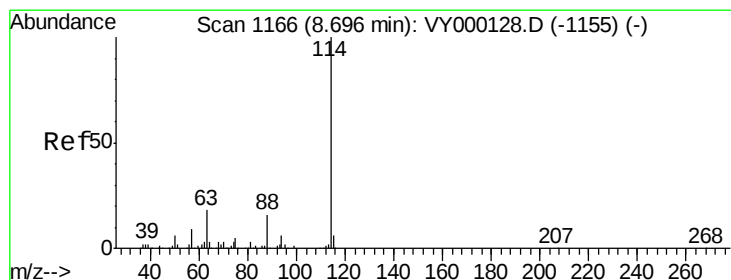
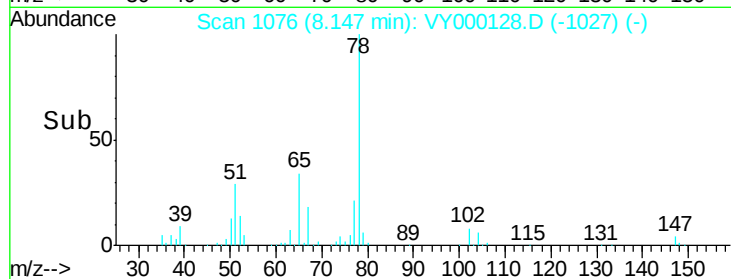
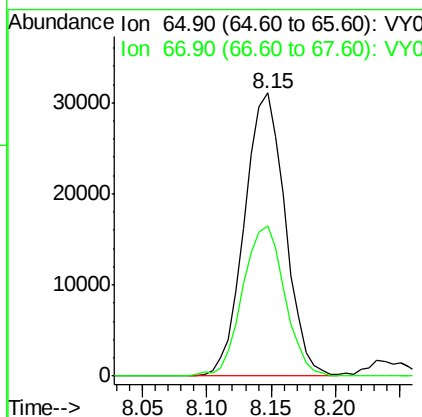
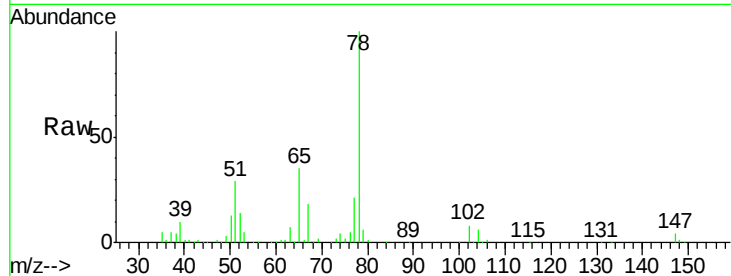
#33
 1,2-Dichloroethane-d4
 Concen: 50.398 ug/l
 RT: 8.15 min Scan# 1076
 Delta R.T. 0.00 min
 Lab File: VY000128.D
 Acq: 23 Sep 2019 12:09

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	67910		
67	54.8	0.0	109.6	

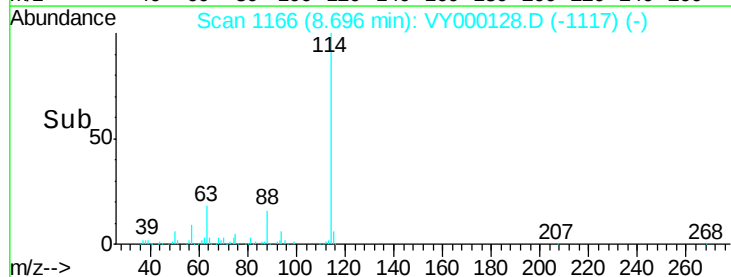
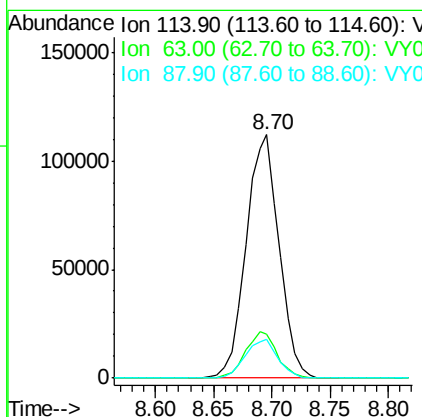
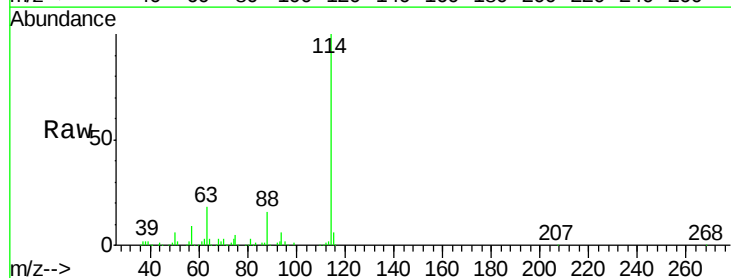
Manual Integrations
 APPROVED

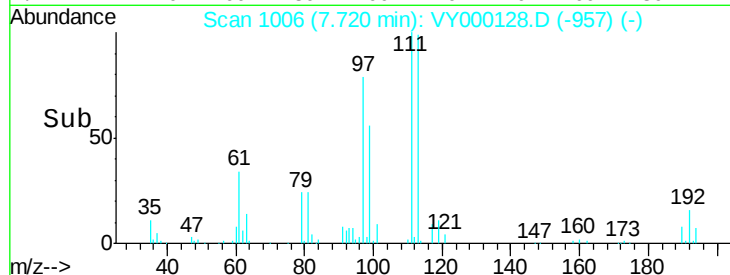
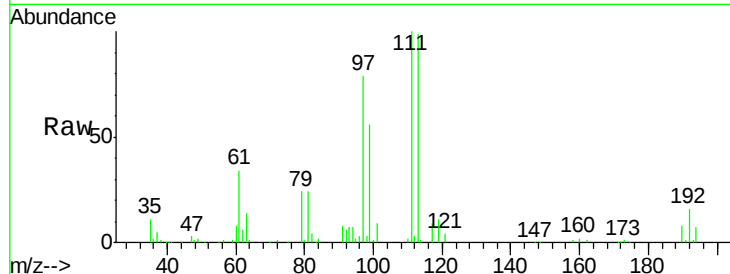
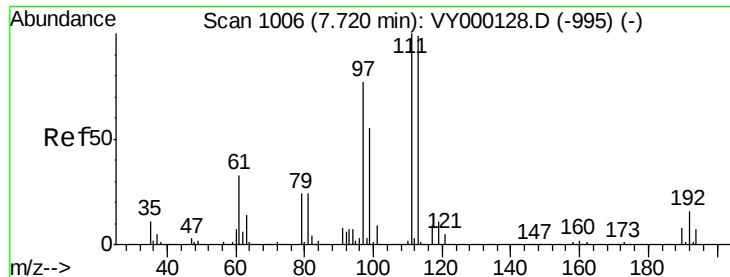
MMDadoda
 9/25/2019 12:39:22 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1166
 Delta R.T. 0.00 min
 Lab File: VY000128.D
 Acq: 23 Sep 2019 12:09

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	220692		
63	17.8	0.0	35.6	
88	15.9	0.0	31.8	





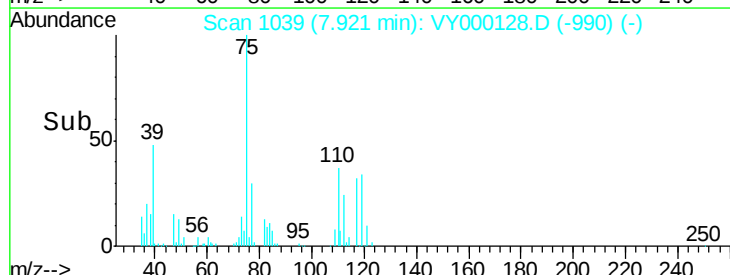
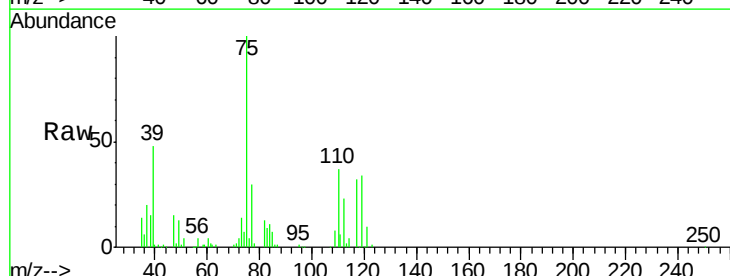
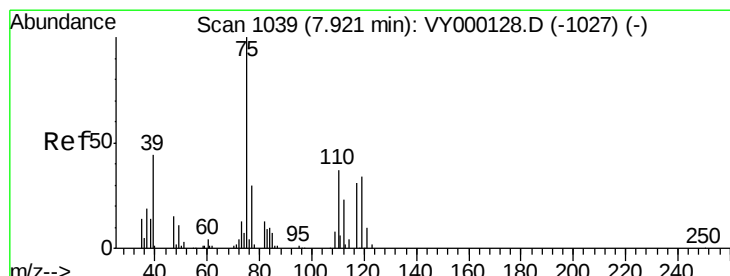
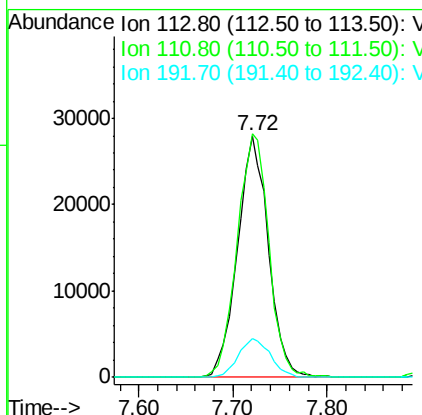
#35
Dibromofluoromethane
Concen: 50.488 ug/l
RT: 7.72 min Scan# 1006
Delta R.T. 0.00 min
Lab File: VY000128.D
Acq: 23 Sep 2019 12:09

Tot Ion	Ratio	Resp	Lower	Upper
113	100	63979		
111	103.7		83.0	124.4
192	16.9		13.5	20.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

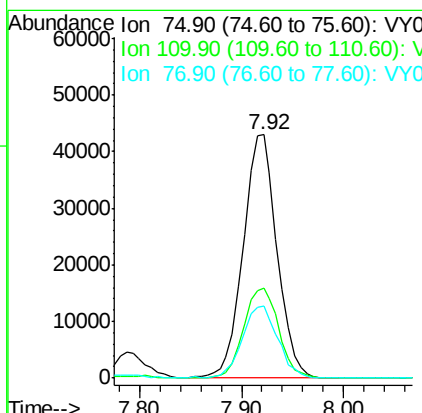
Manual Integrations
APPROVED

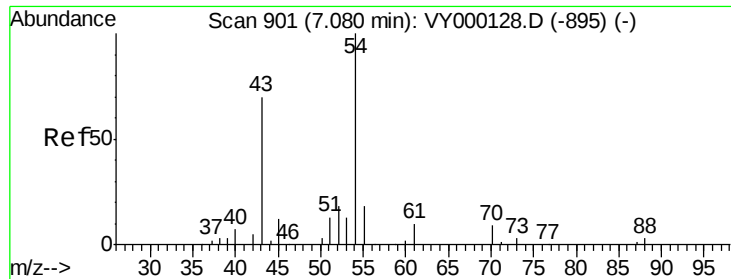
MMDadoda
9/25/2019 12:39:22 AM



#36
1,1-Dichloropropene
Concen: 48.643 ug/l
RT: 7.92 min Scan# 1039
Delta R.T. 0.00 min
Lab File: VY000128.D
Acq: 23 Sep 2019 12:09

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	99398		
110	38.2		19.1	57.3
77	30.9		24.7	37.1





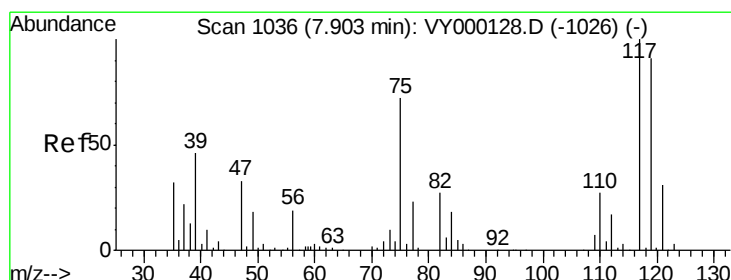
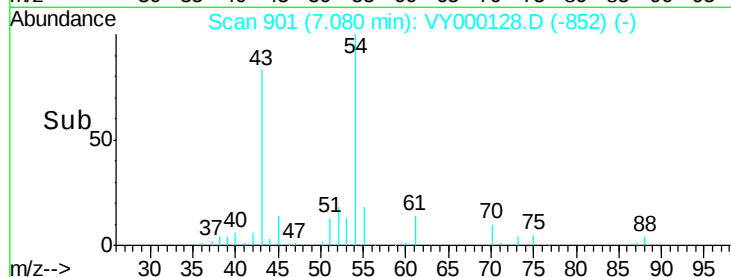
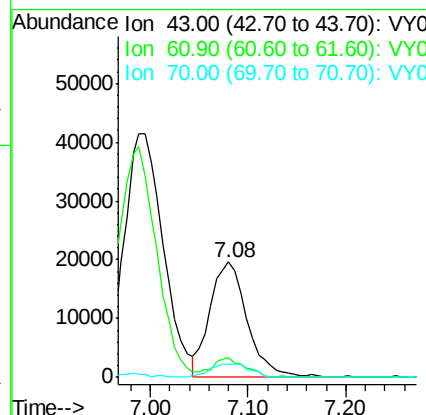
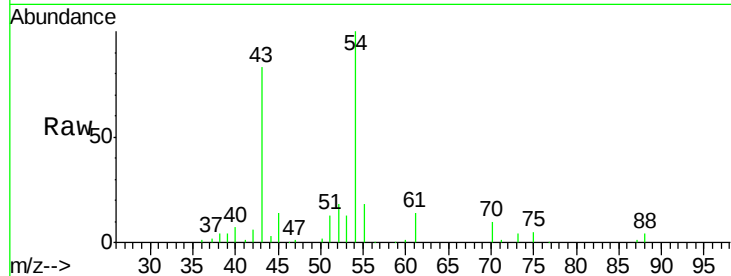
#37
Ethyl Acetate
Concen: 47.842 ug/l
RT: 7.08 min Scan# 901
Delta R.T. 0.00 min
Lab File: VY000128.D
Acq: 23 Sep 2019 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.1	12.1	18.1
70	12.5	10.0	15.0

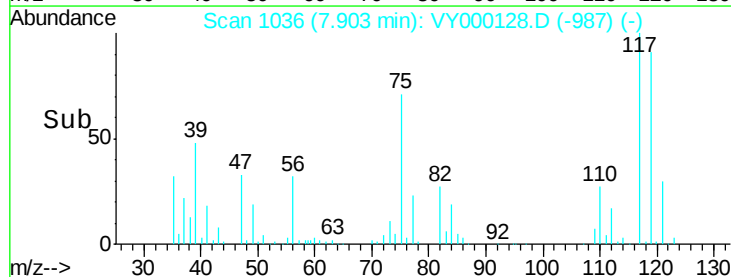
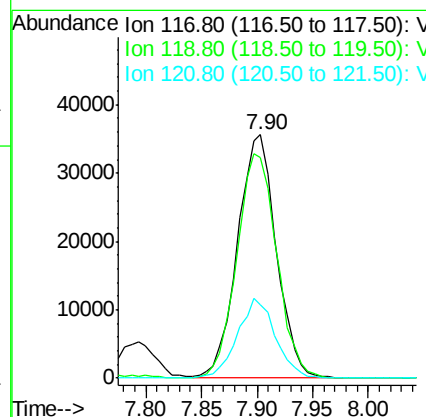
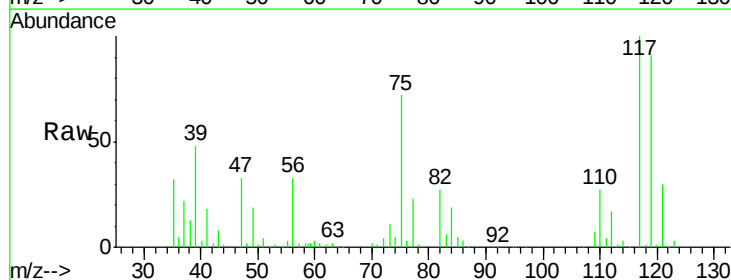
Manual Integrations
APPROVED

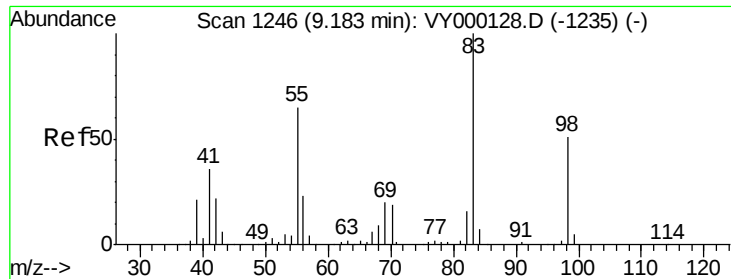
MMDadoda
9/25/2019 12:39:22 AM



#38
Carbon Tetrachloride
Concen: 49.096 ug/l
RT: 7.90 min Scan# 1036
Delta R.T. 0.00 min
Lab File: VY000128.D
Acq: 23 Sep 2019 12:09

Tgt Ion	Ratio	Lower	Upper
117	100		
119	90.7	72.6	108.8
121	30.4	24.3	36.5





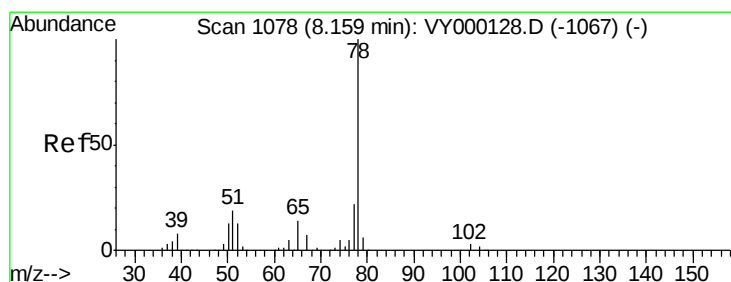
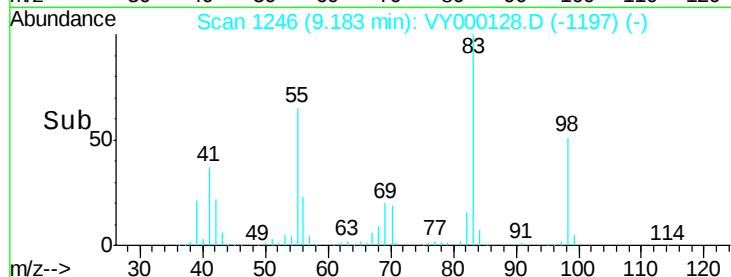
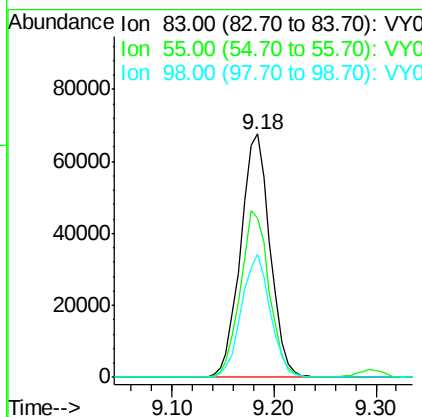
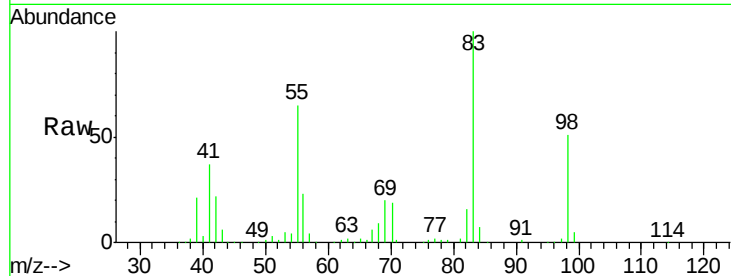
#39
Methvlcvclohexane
Concen: 48.230 ug/l
RT: 9.18 min Scan# 1246
Delta R.T. 0.00 min
Lab File: VY000128.D
Acq: 23 Sep 2019 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	83	Resp	135549
Ion Ratio	Lower	Upper	
83	100		
55	65.4	52.3	78.5
98	50.8	40.6	61.0

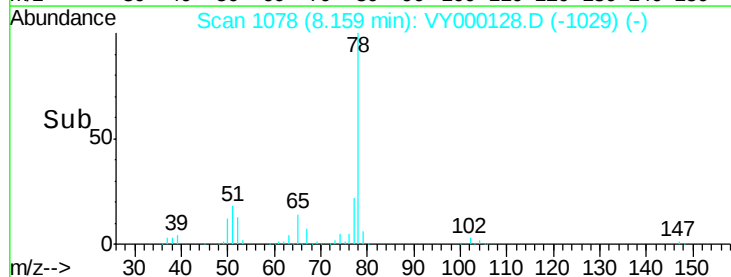
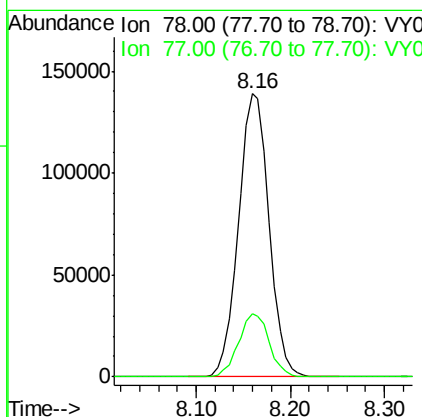
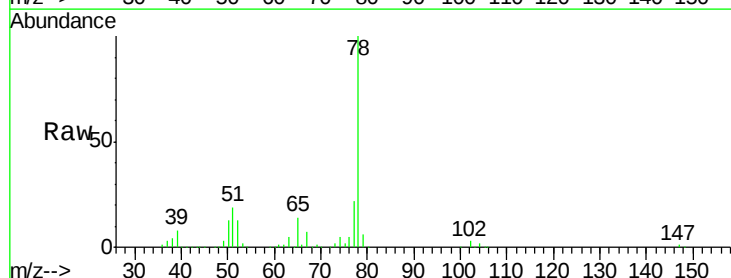
Manual Integrations
APPROVED

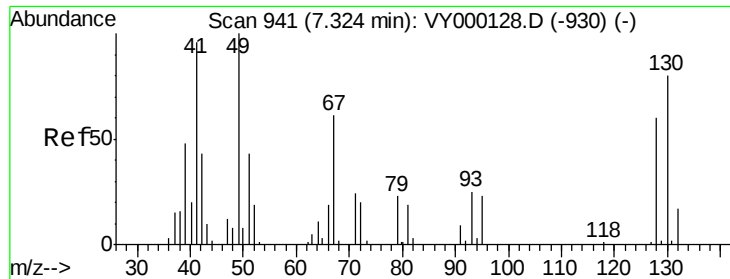
MMDadoda
9/25/2019 12:39:22 AM



#40
Benzene
Concen: 49.756 ug/l
RT: 8.16 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VY000128.D
Acq: 23 Sep 2019 12:09

Tgt Ion	78	Resp	313796
Ion Ratio	Lower	Upper	
78	100		
77	22.4	17.9	26.9





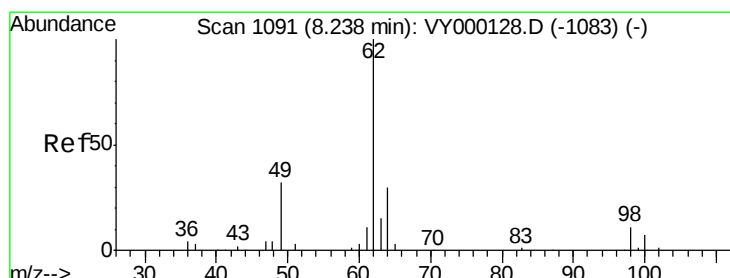
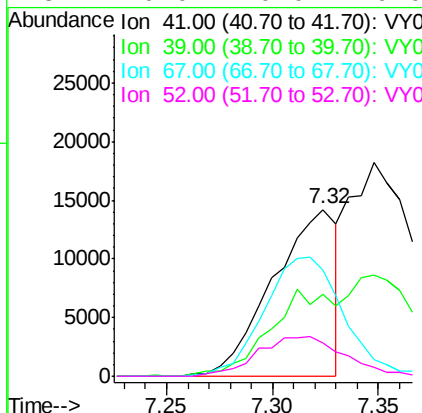
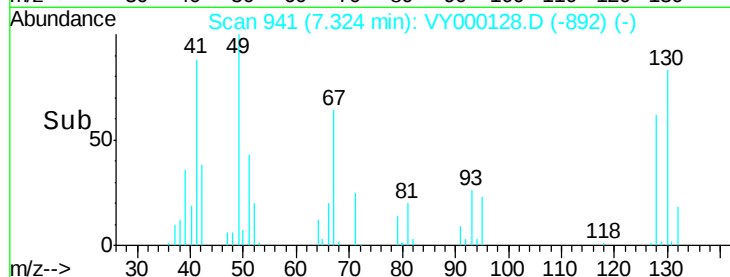
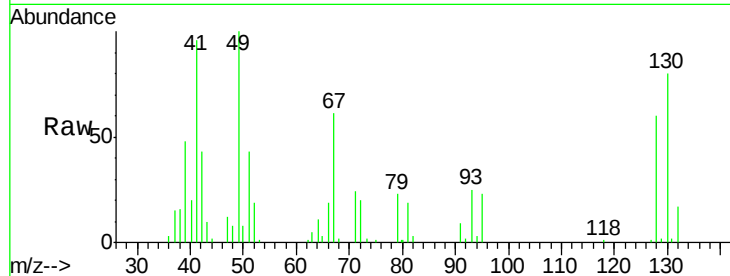
#41
Methacrylonitrile
Concen: 35.289 ug/l m
RT: 7.32 min Scan# 941
Delta R.T. 0.00 min
Lab File: VY000128.D
Acq: 23 Sep 2019 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	41	Resp:	30222
Ion Ratio	Lower	Upper	
41	100		
39	66.9	53.4	80.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

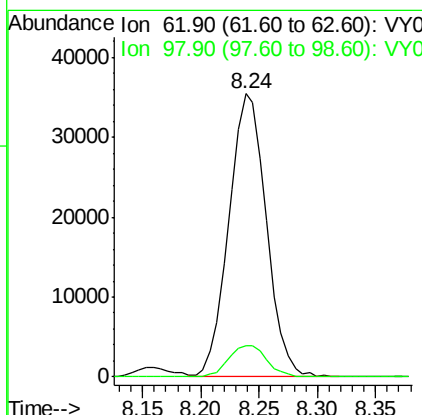
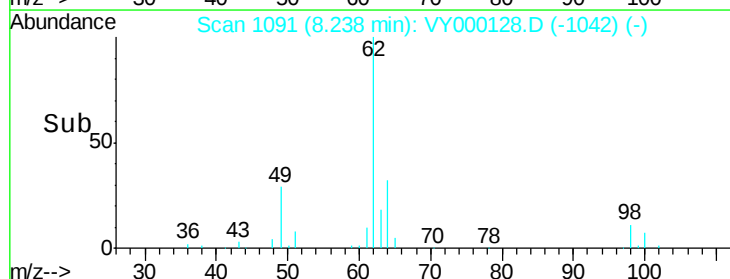
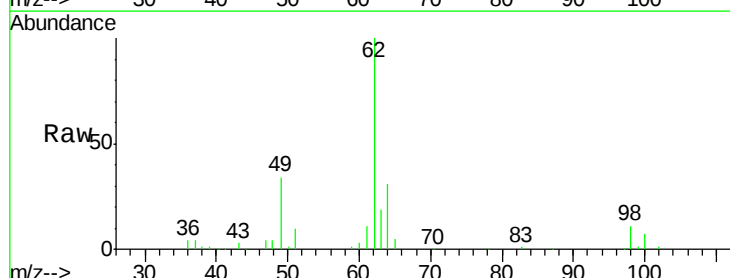
Manual Integrations
APPROVED

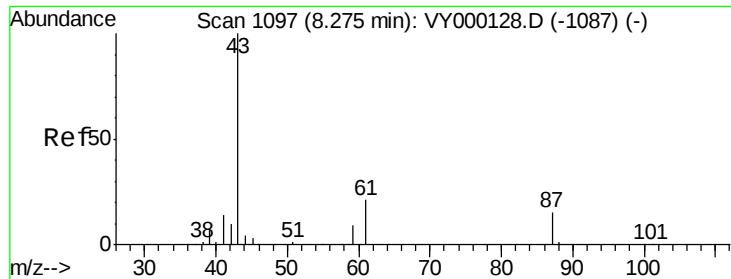
MMDadoda
9/25/2019 12:39:22 AM



#42
1,2-Dichloroethane
Concen: 49.361 ug/l
RT: 8.24 min Scan# 1091
Delta R.T. 0.00 min
Lab File: VY000128.D
Acq: 23 Sep 2019 12:09

Tgt Ion	62	Resp:	79385
Ion Ratio	Lower	Upper	
62	100		
98	11.2	0.0	22.4





#43

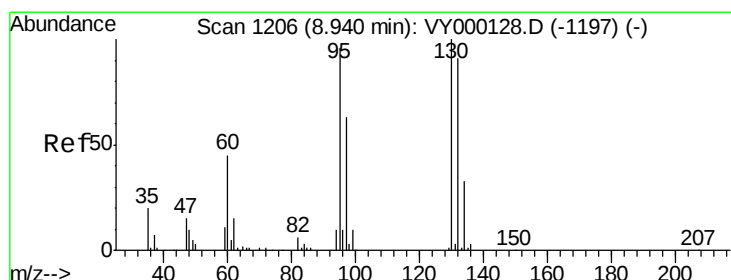
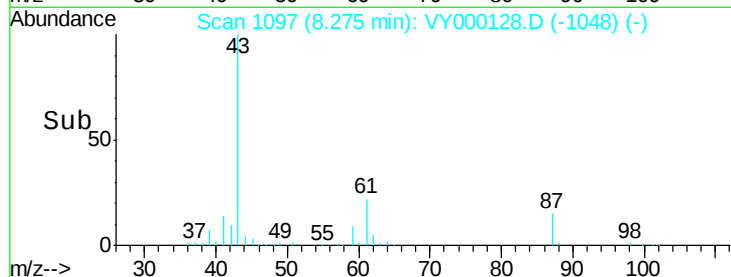
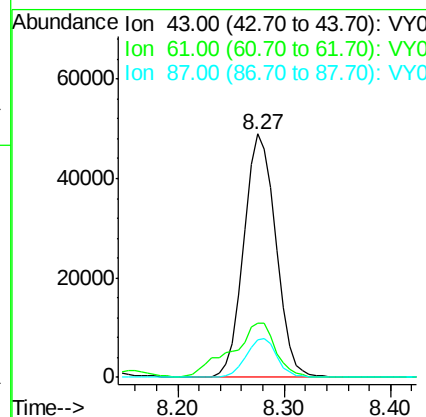
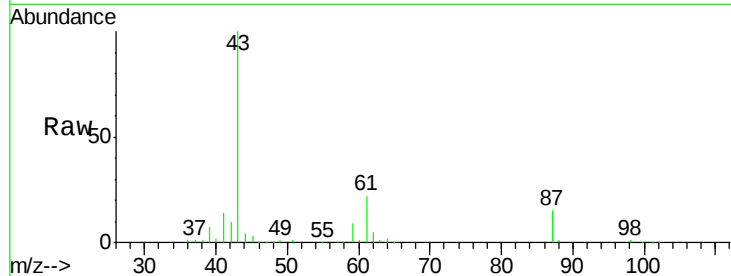
Isopropyl Acetate
 Concen: 48.012 ug/l
 RT: 8.27 min Scan# 1097
 Delta R.T. 0.00 min
 Lab File: VY000128.D
 Acq: 23 Sep 2019 12:09

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.8	24.6	37.0
87	15.6	12.5	18.7

Manual Integrations
 APPROVED

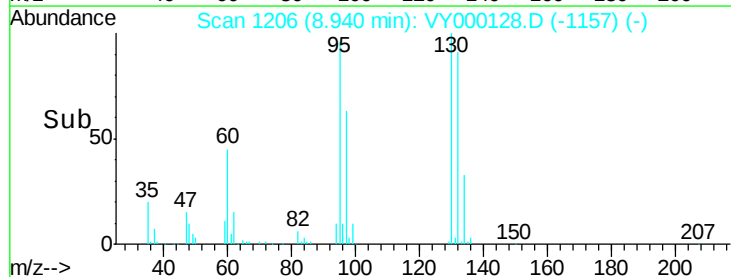
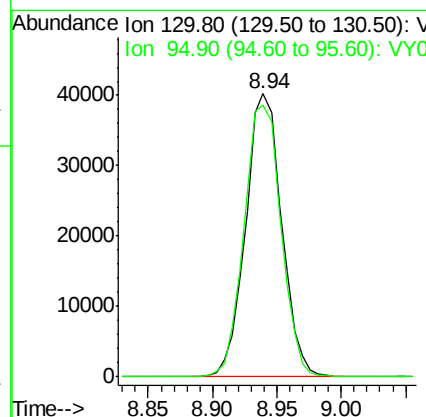
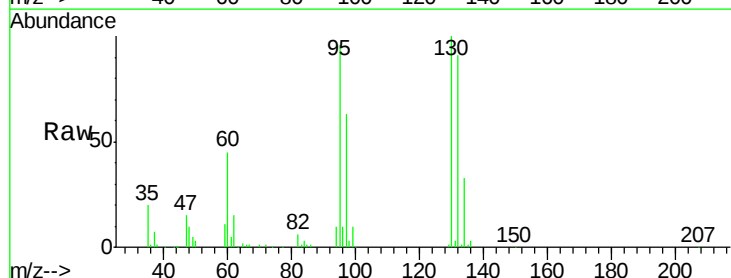
MMDadoda
 9/25/2019 12:39:22 AM

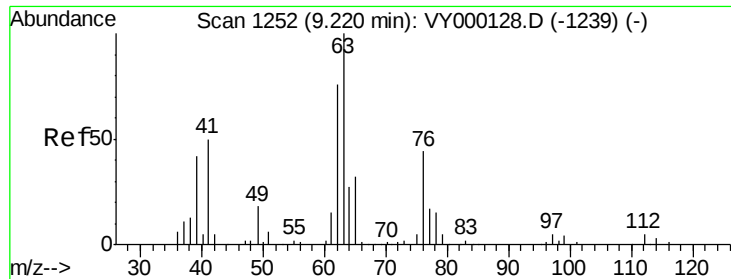


#44

Trichloroethene
 Concen: 49.614 ug/l
 RT: 8.94 min Scan# 1206
 Delta R.T. 0.00 min
 Lab File: VY000128.D
 Acq: 23 Sep 2019 12:09

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.0	0.0	192.0





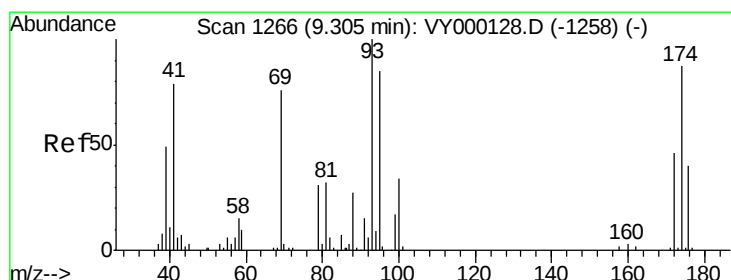
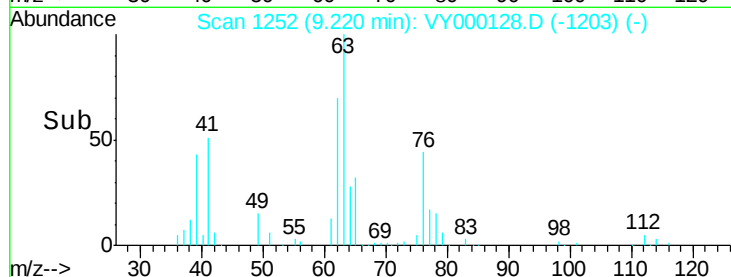
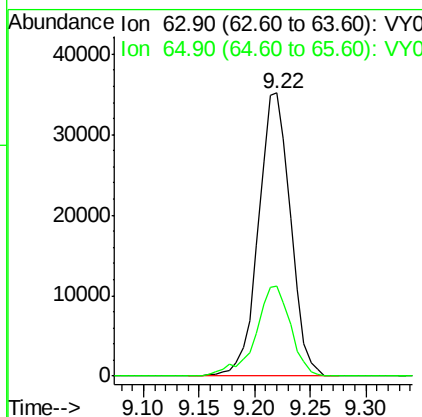
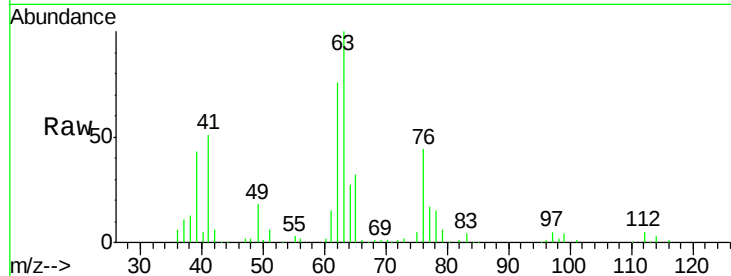
#45
 1,2-Dichloropropane
 Concen: 46.327 ug/l
 RT: 9.22 min Scan# 1252
 Delta R.T. 0.00 min
 Lab File: VY000128.D
 Acq: 23 Sep 2019 12:09

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Tot Ion: 63 Resp: 70570
 Ion Ratio Lower Upper
 63 100
 65 31.8 25.4 38.2

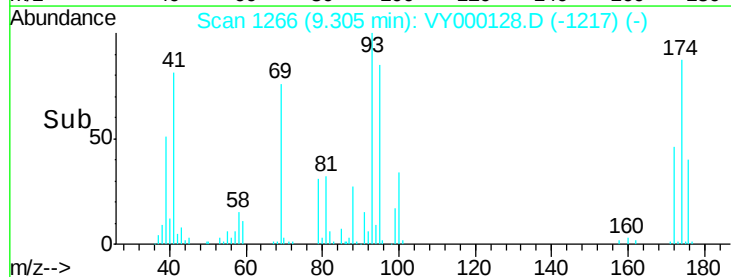
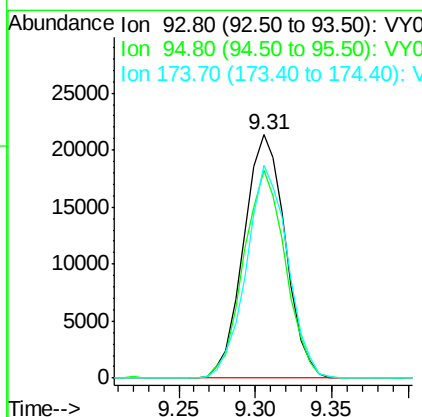
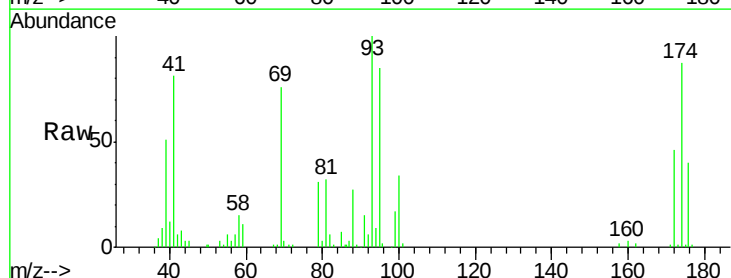
Manual Integrations
 APPROVED

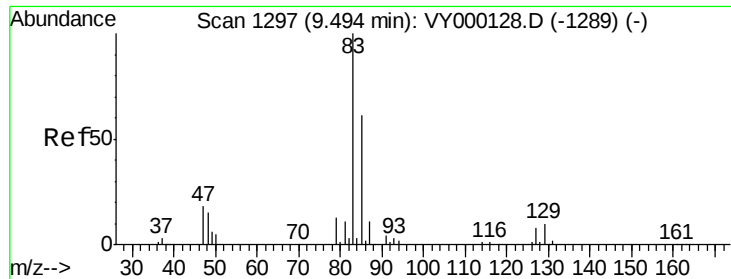
MMDadoda
 9/25/2019 12:39:22 AM



#46
 Dibromomethane
 Concen: 47.628 ug/l
 RT: 9.31 min Scan# 1266
 Delta R.T. 0.00 min
 Lab File: VY000128.D
 Acq: 23 Sep 2019 12:09

Tgt Ion: 93 Resp: 40349
 Ion Ratio Lower Upper
 93 100
 95 85.8 68.6 103.0
 174 86.7 69.4 104.0





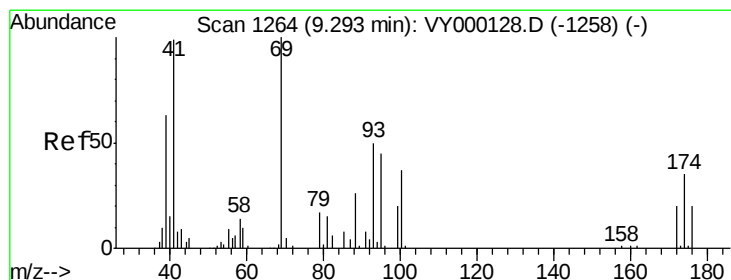
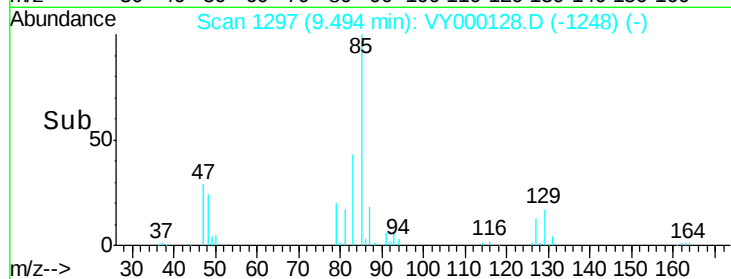
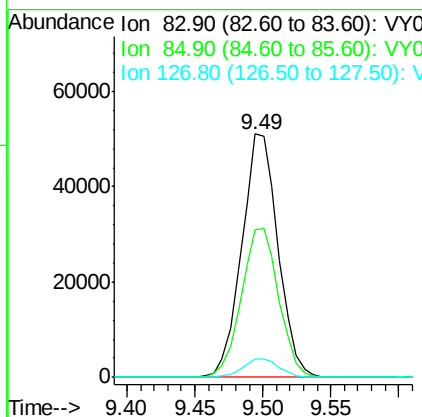
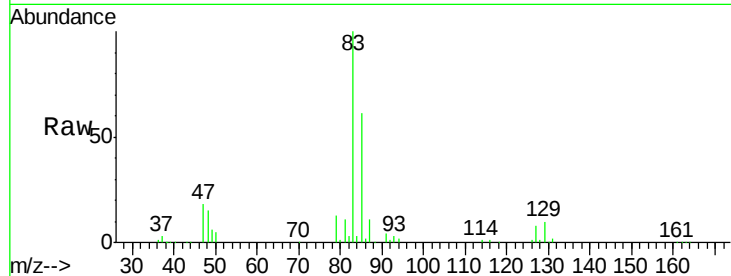
#47
Bromodichloromethane
Concen: 49.017 ug/l
RT: 9.49 min Scan# 1297
Delta R.T. 0.00 min
Lab File: VY000128.D
Acq: 23 Sep 2019 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	83	Resp	95078
Ion Ratio	100	Lower	Upper
83	100		
85	60.8	48.6	73.0
127	7.8	6.2	9.4

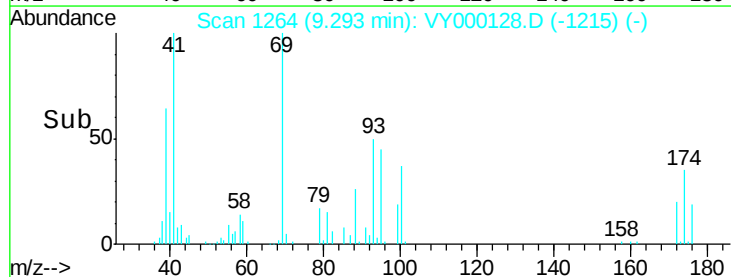
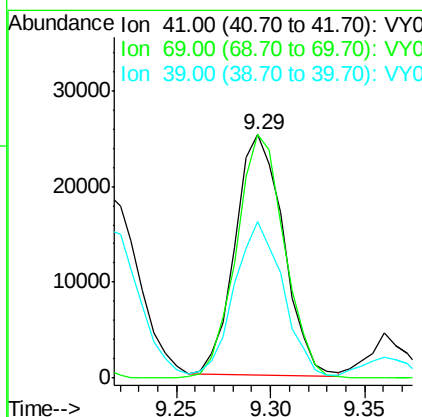
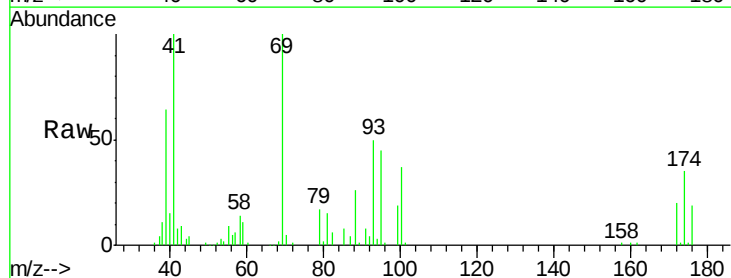
Manual Integrations
APPROVED

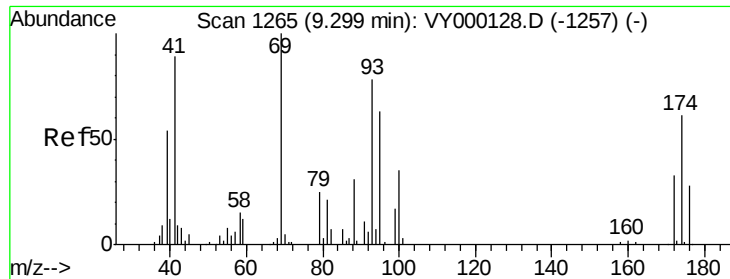
MMDadoda
9/25/2019 12:39:22 AM



#48
Methyl methacrylate
Concen: 48.292 ug/l
RT: 9.29 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VY000128.D
Acq: 23 Sep 2019 12:09

Tgt Ion	41	Resp	44545
Ion Ratio	100	Lower	Upper
41	100		
69	101.3	81.0	121.6
39	66.5	53.2	79.8





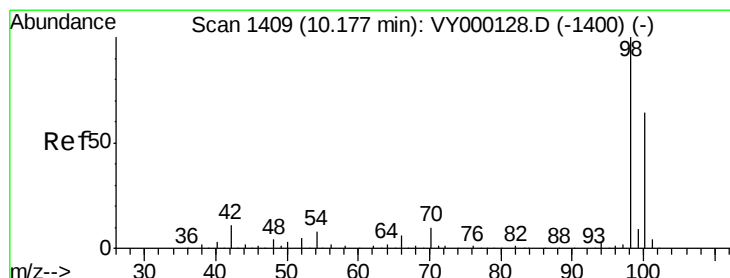
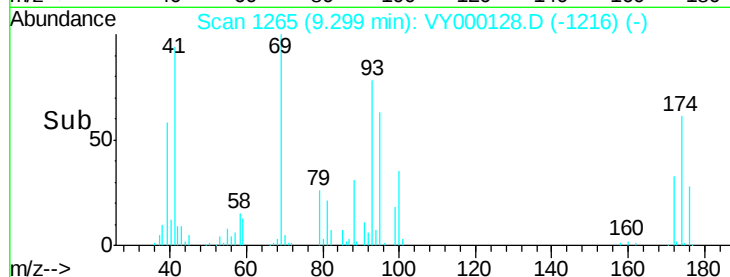
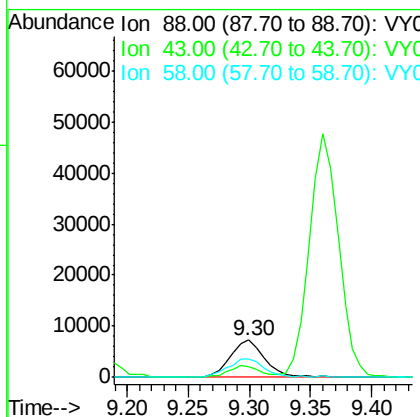
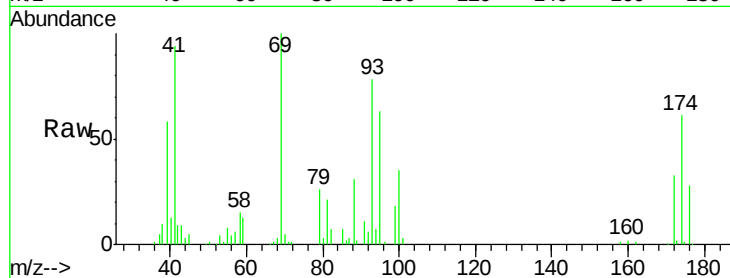
#49
1,4-Dioxane
Concen: 1070.641 ug/l
RT: 9.30 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VY000128.D
Acq: 23 Sep 2019 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.2	22.6	33.8
58	53.1	42.5	63.7

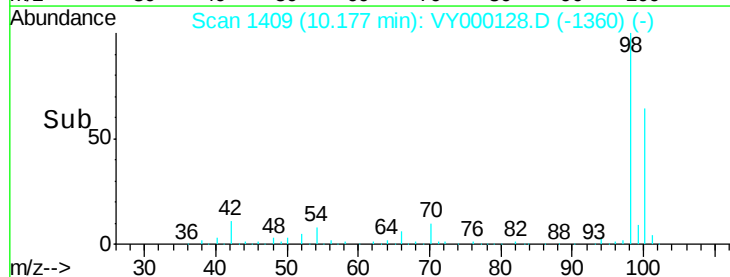
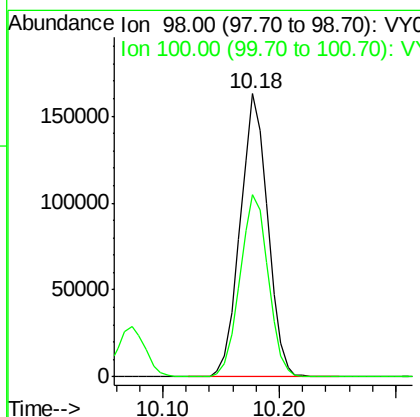
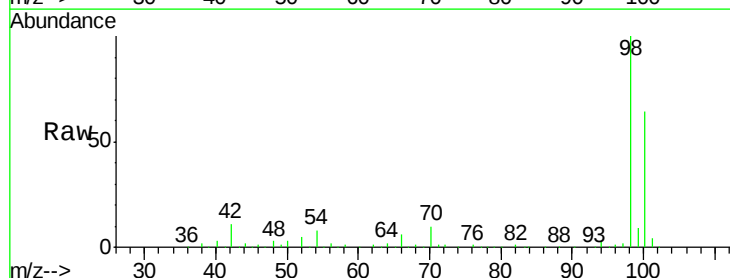
Manual Integrations
APPROVED

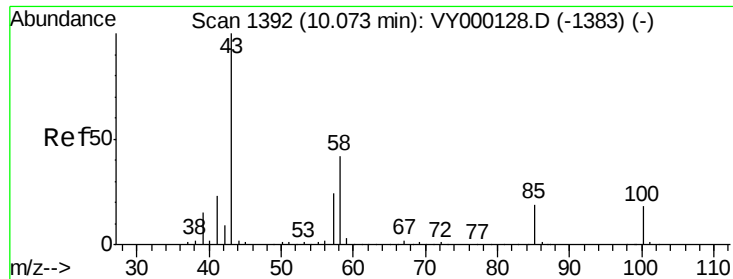
MMDadoda
9/25/2019 12:39:22 AM



#50
Toluene-d8
Concen: 52.731 ug/l
RT: 10.18 min Scan# 1409
Delta R.T. 0.00 min
Lab File: VY000128.D
Acq: 23 Sep 2019 12:09

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.9	52.7	79.1





#51

4-Methyl-2-Pentanone

Concen: 246.070 ug/l

RT: 10.07 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VY000128.D

Acq: 23 Sep 2019 12:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 270656

Ion Ratio Lower Upper

43 100

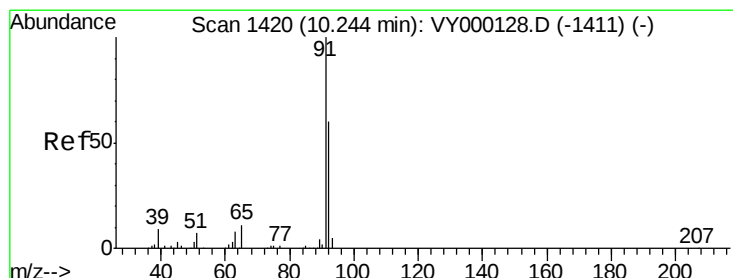
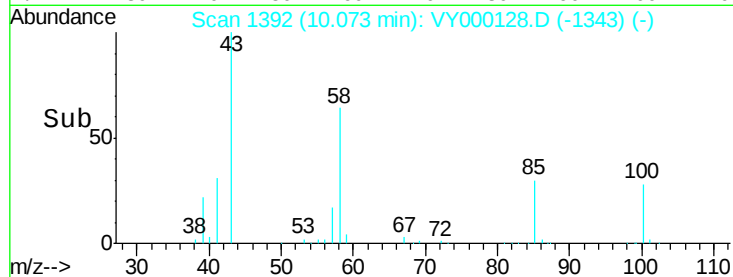
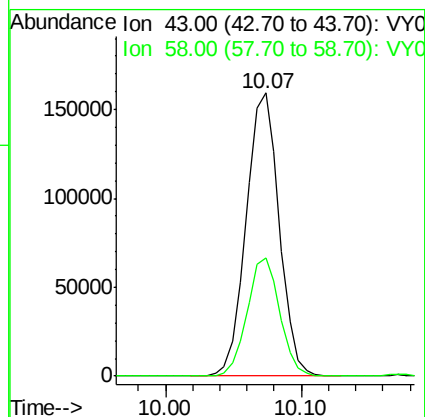
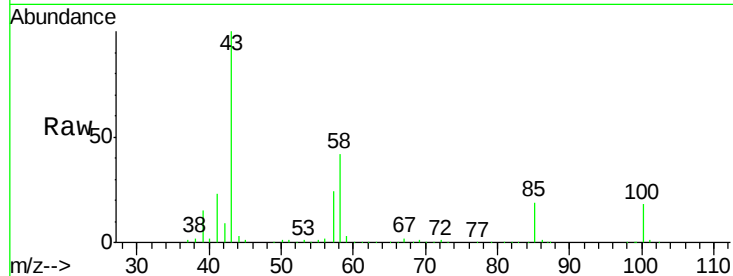
58 41.3 33.0 49.6

Manual Integrations

APPROVED

MMDadoda

9/25/2019 12:39:22 AM



#52

Toluene

Concen: 48.785 ug/l

RT: 10.24 min Scan# 1420

Delta R.T. 0.00 min

Lab File: VY000128.D

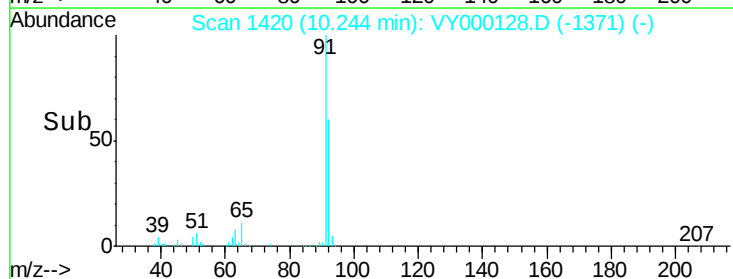
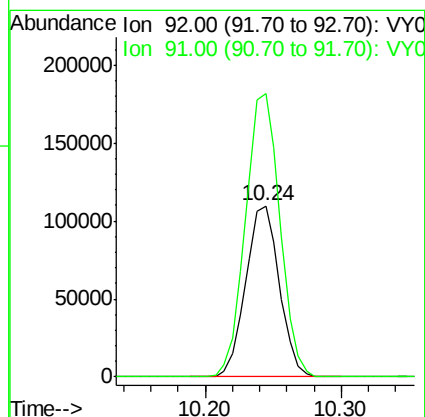
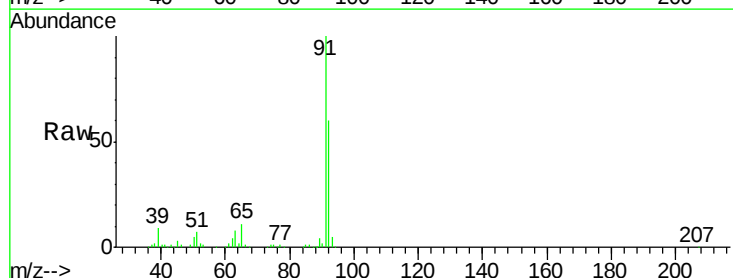
Acq: 23 Sep 2019 12:09

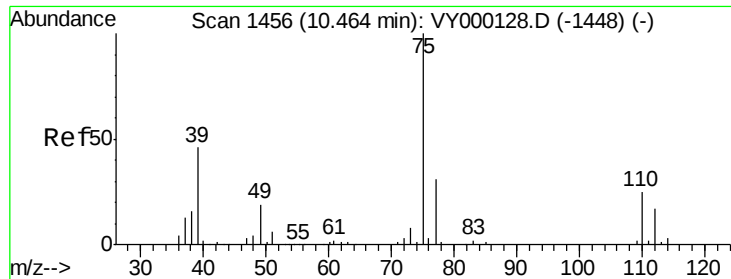
Tgt Ion: 92 Resp: 190123

Ion Ratio Lower Upper

92 100

91 169.6 135.7 203.5





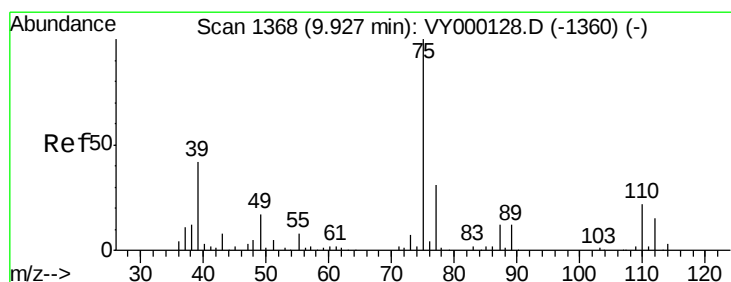
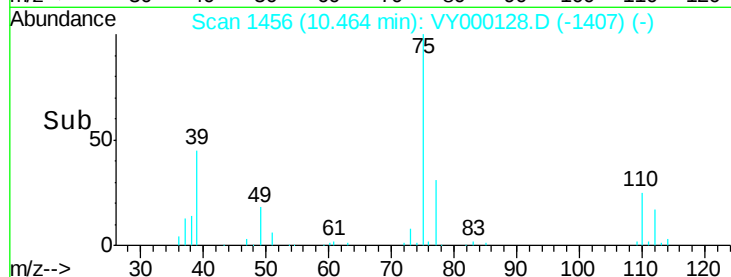
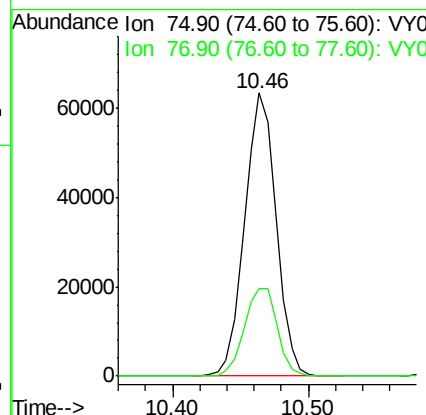
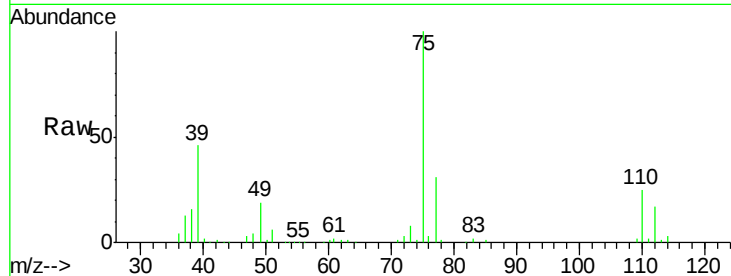
#53
t-1,3-Dichloropropene
Concen: 48.530 ug/l
RT: 10.46 min Scan# 1456
Delta R.T. 0.00 min
Lab File: VY000128.D
Acq: 23 Sep 2019 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
75	100	102648		
77	31.1	24.9	37.3	

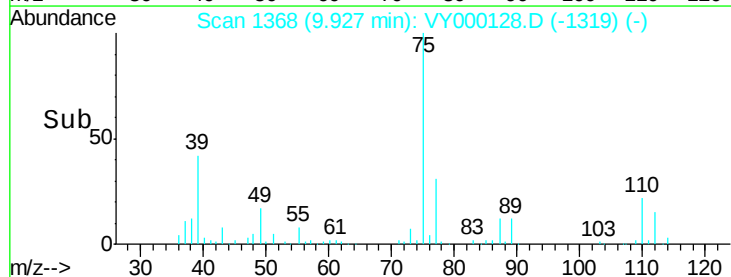
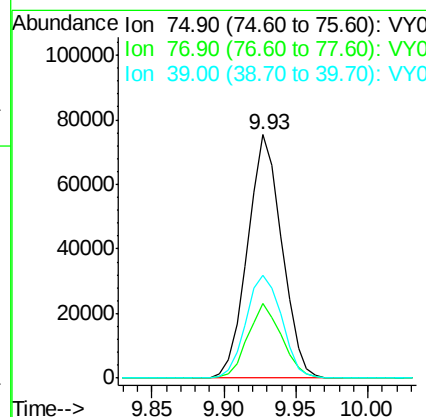
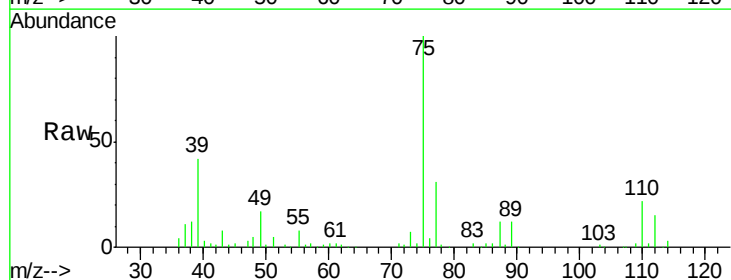
Manual Integrations
APPROVED

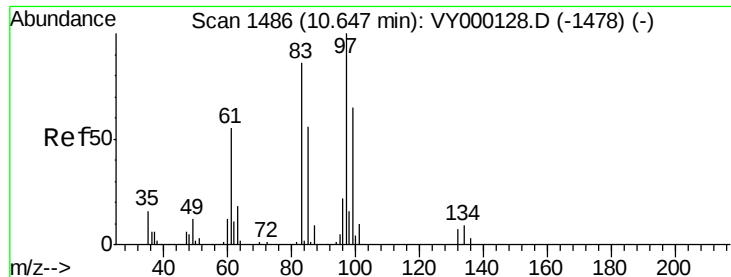
MMDadoda
9/25/2019 12:39:22 AM



#54
cis-1,3-Dichloropropene
Concen: 50.578 ug/l
RT: 9.93 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VY000128.D
Acq: 23 Sep 2019 12:09

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	124032		
77	30.8	24.6	37.0	
39	42.2	33.8	50.6	





#55

1,1,2-Trichloroethane

Concen: 49.375 ug/l

RT: 10.65 min Scan# 1486

Delta R.T. 0.00 min

Lab File: VY000128.D

Acq: 23 Sep 2019 12:09

Instrument :

MSVOA_Y

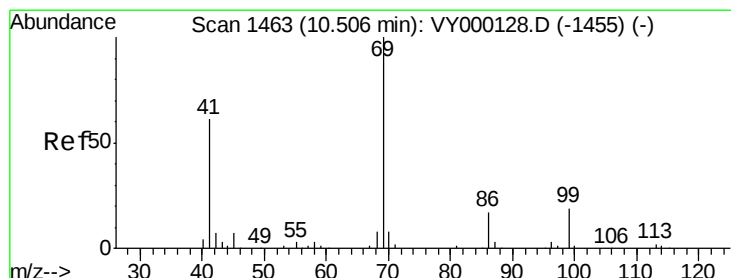
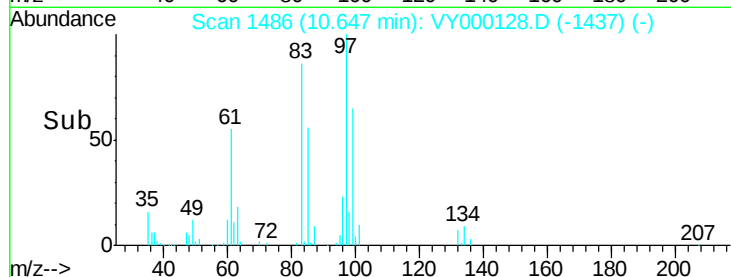
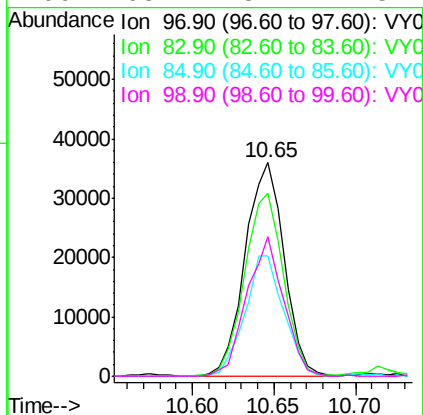
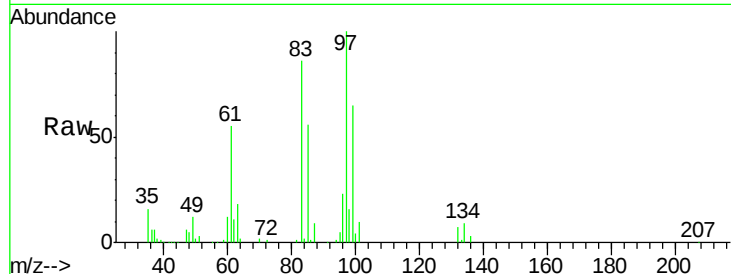
ClientSampleId :

VSTDICCC050

Tot Ion:	97	Resp:	59901
Ion	Ratio	Lower	Upper
97	100		
83	86.0	68.8	103.2
85	56.1	44.9	67.3
99	65.1	52.1	78.1

Manual Integrations
APPROVED

MMDadoda
9/25/2019 12:39:22 AM



#56

Ethyl methacrylate

Concen: 50.231 ug/l

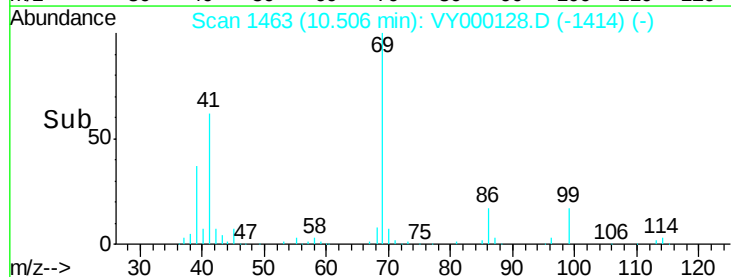
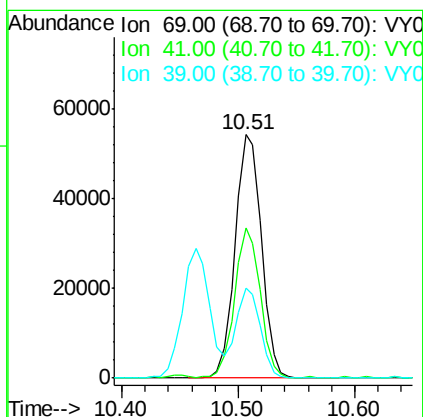
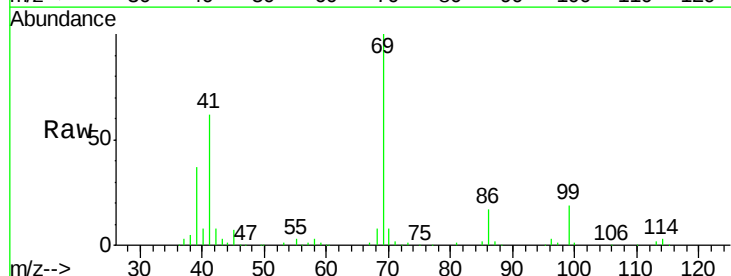
RT: 10.51 min Scan# 1463

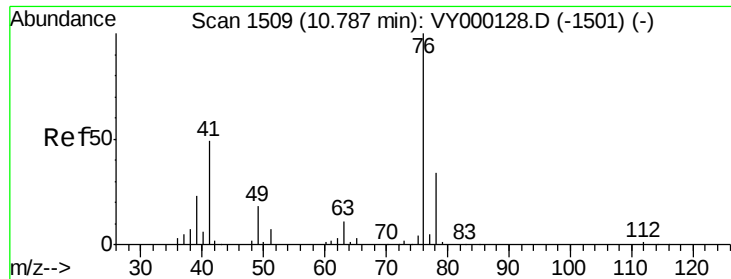
Delta R.T. 0.00 min

Lab File: VY000128.D

Acq: 23 Sep 2019 12:09

Tgt Ion:	69	Resp:	85838
Ion	Ratio	Lower	Upper
69	100		
41	59.9	47.9	71.9
39	34.2	27.4	41.0





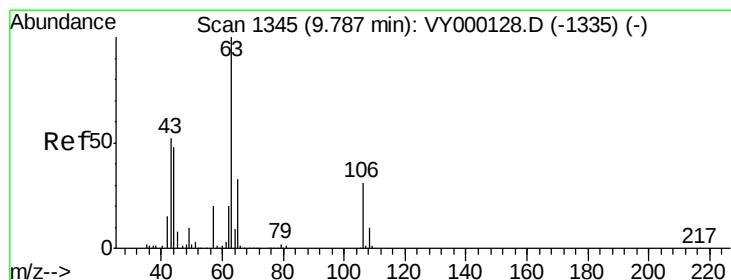
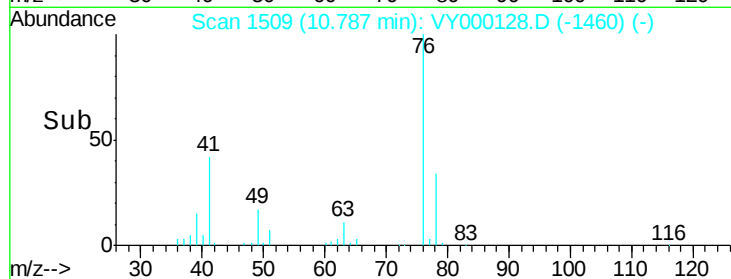
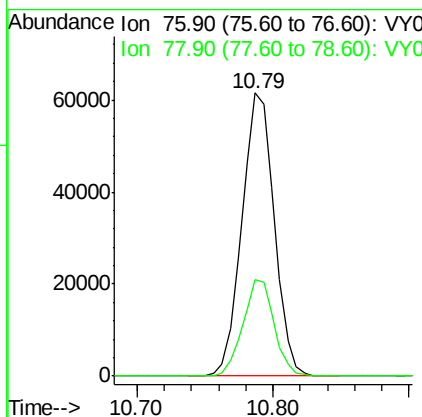
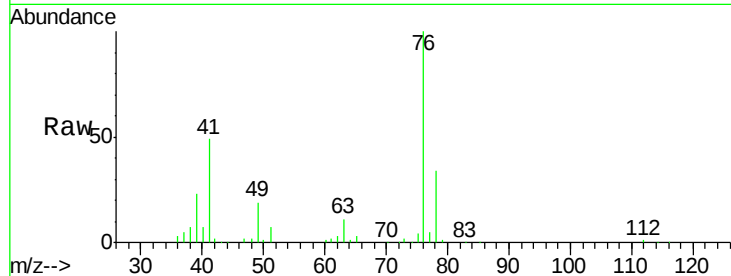
#57
 1,3-Dichloropropane
 Concen: 48.339 ug/l
 RT: 10.79 min Scan# 1509
 Delta R.T. 0.00 min
 Lab File: VY000128.D
 Acq: 23 Sep 2019 12:09

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.1	26.5	39.7

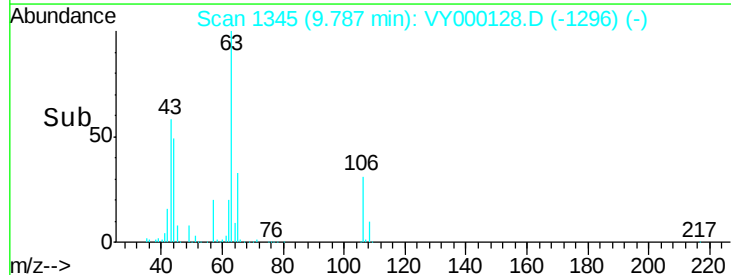
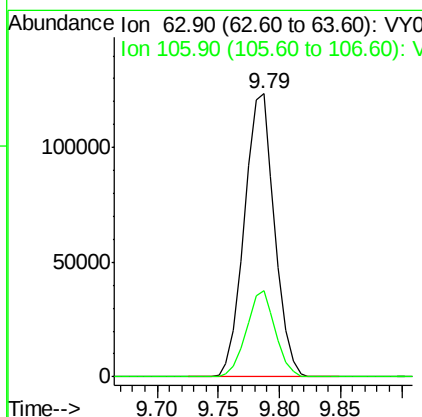
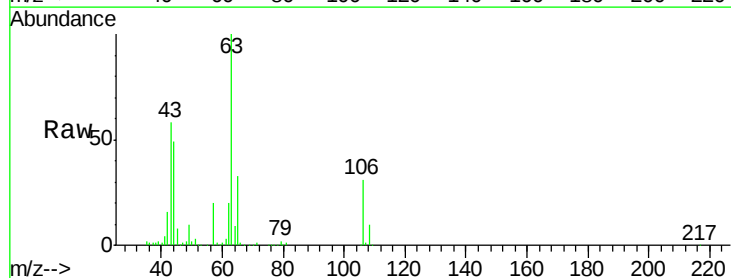
Manual Integrations
 APPROVED

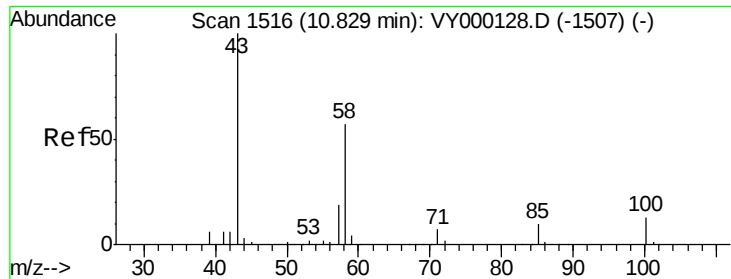
MMDadoda
 9/25/2019 12:39:22 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 250.916 ug/l
 RT: 9.79 min Scan# 1345
 Delta R.T. 0.00 min
 Lab File: VY000128.D
 Acq: 23 Sep 2019 12:09

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.0	23.2	34.8





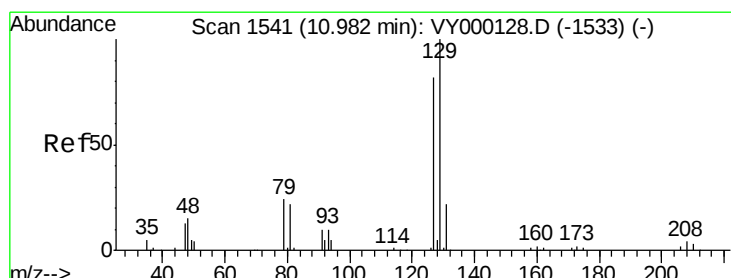
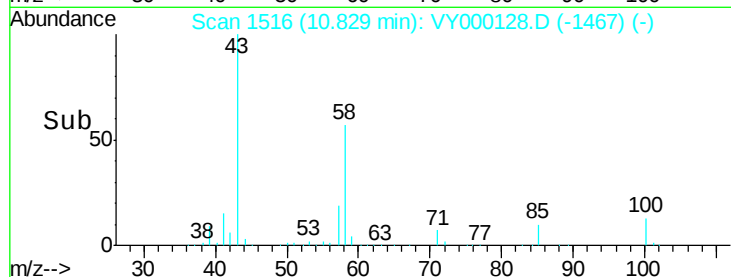
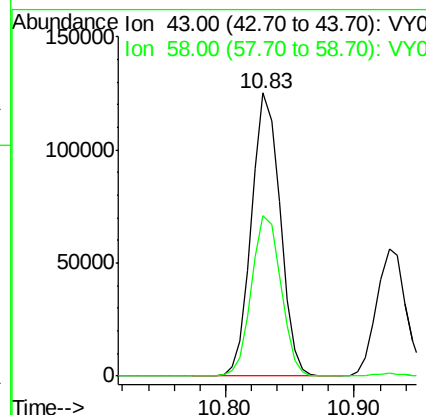
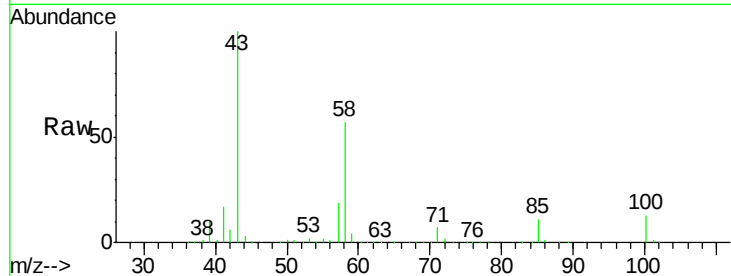
#59
2-Hexanone
Concen: 249.209 ug/l
RT: 10.83 min Scan# 1516
Delta R.T. 0.00 min
Lab File: VY000128.D
Acq: 23 Sep 2019 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	58.2	29.1	87.3

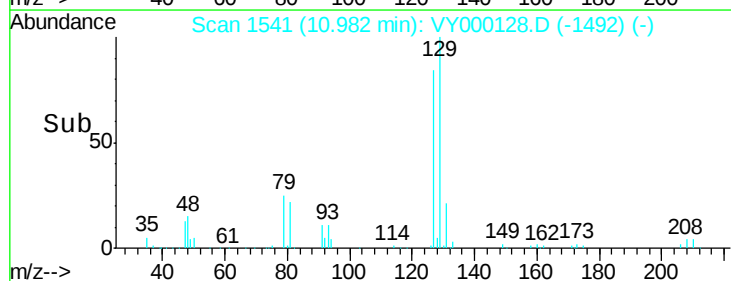
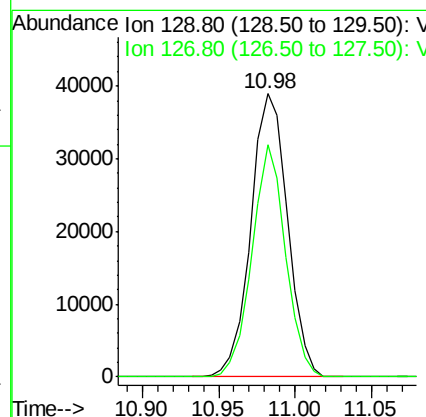
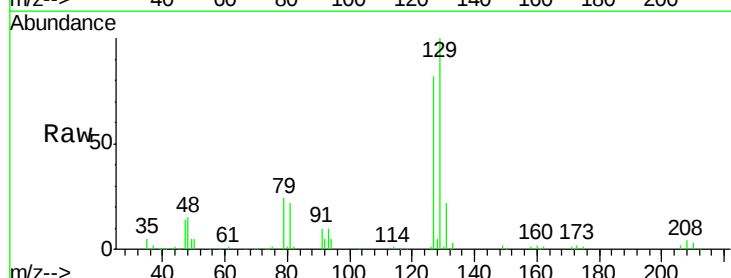
Manual Integrations
APPROVED

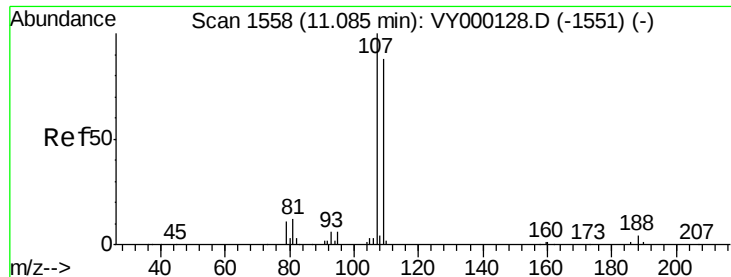
MMDadoda
9/25/2019 12:39:22 AM



#60
Dibromochloromethane
Concen: 51.245 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VY000128.D
Acq: 23 Sep 2019 12:09

Tgt Ion	Ratio	Lower	Upper
129	100		
127	74.9	37.5	112.3





#61

1,2-Dibromoethane

Concen: 49.823 ug/l

RT: 11.09 min Scan# 1558

Delta R.T. 0.00 min

Lab File: VY000128.D

Acq: 23 Sep 2019 12:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tot Ion: 107 Resp: 56806

Ion Ratio Lower Upper

107 100

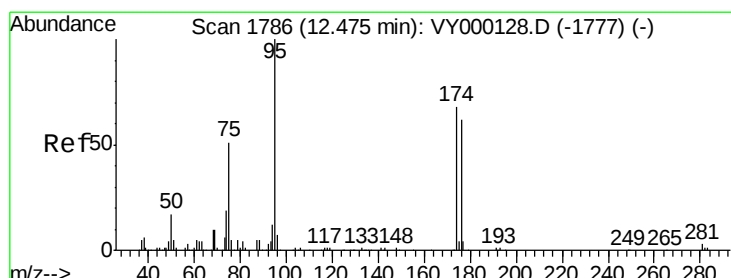
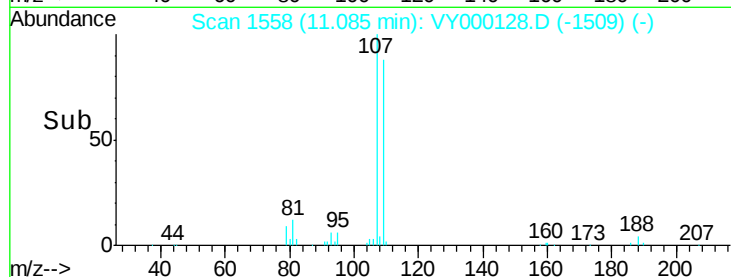
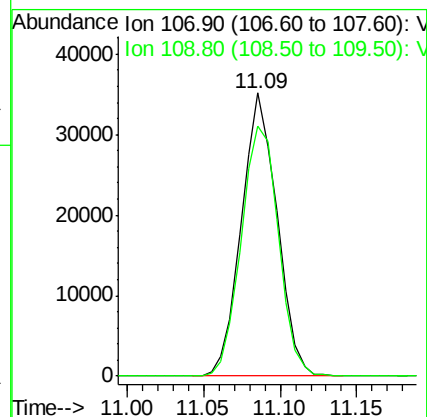
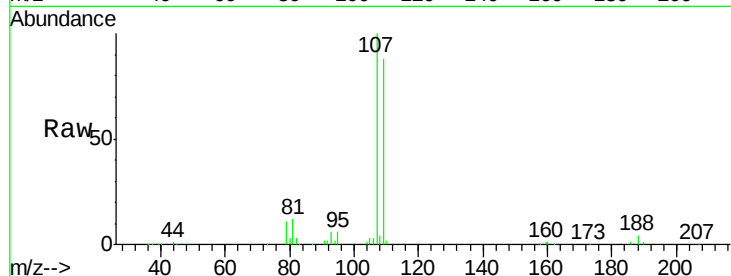
109 92.5 74.0 111.0

Manual Integrations

APPROVED

MMDadoda

9/25/2019 12:39:22 AM



#62

4-Bromofluorobenzene

Concen: 49.031 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. 0.00 min

Lab File: VY000128.D

Acq: 23 Sep 2019 12:09

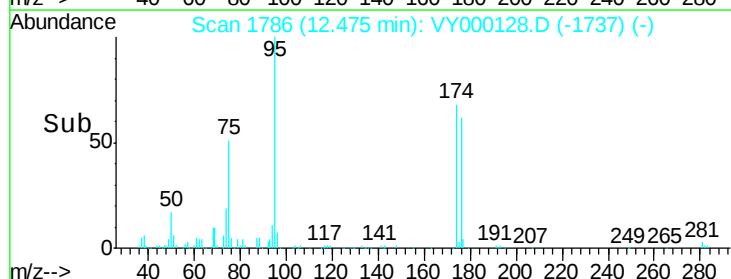
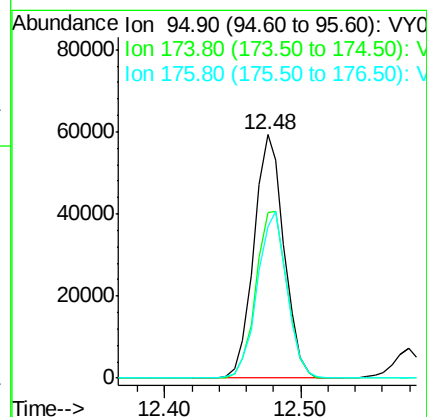
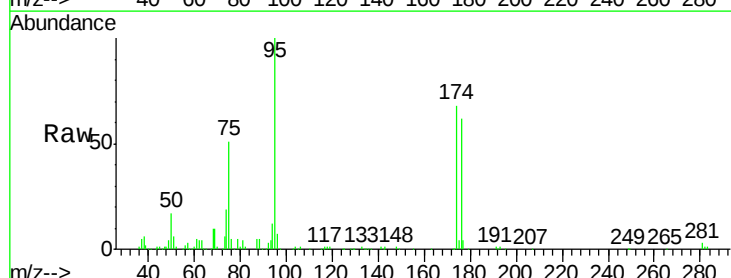
Tgt Ion: 95 Resp: 91992

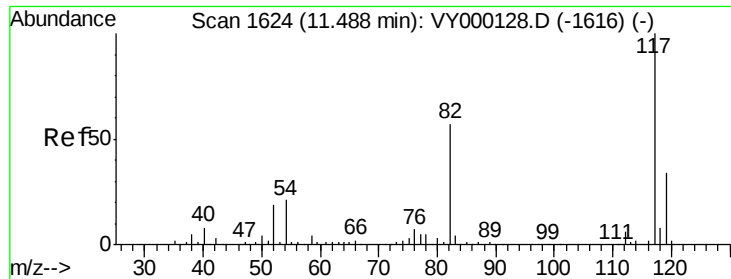
Ion Ratio Lower Upper

95 100

174 70.4 0.0 140.8

176 67.5 0.0 135.0





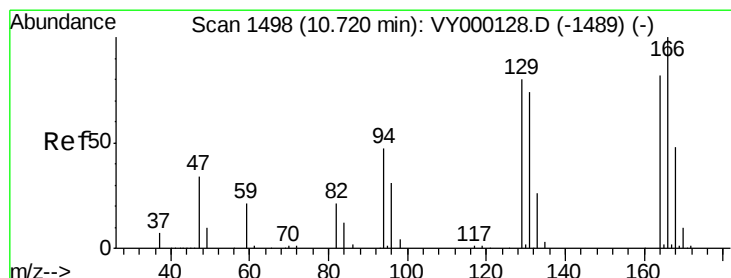
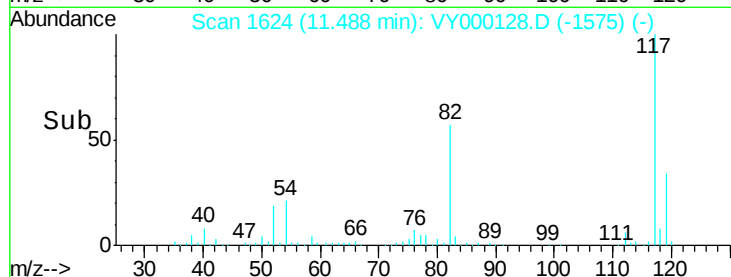
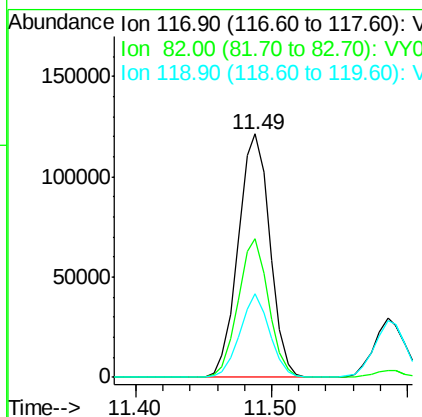
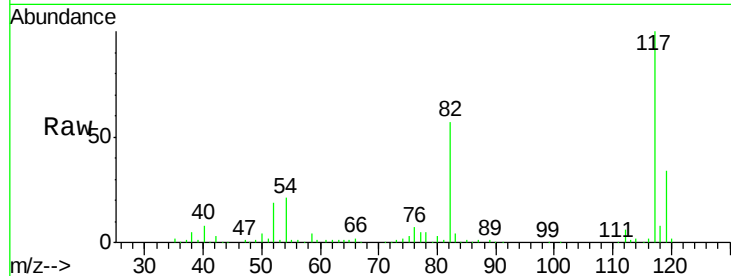
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1624
Delta R.T. 0.00 min
Lab File: VY000128.D
Acq: 23 Sep 2019 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.9	45.5	68.3
119	34.1	27.3	40.9

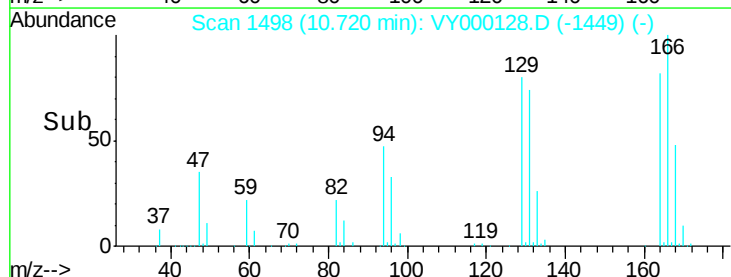
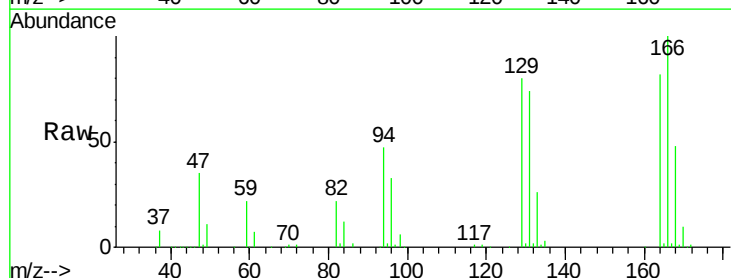
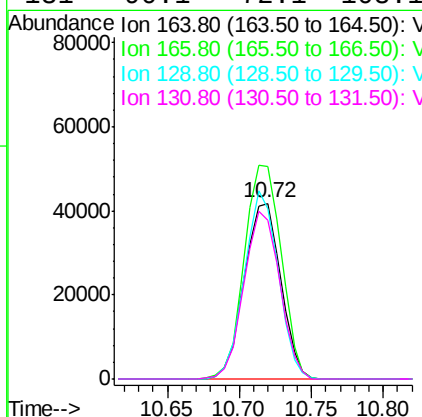
Manual Integrations
APPROVED

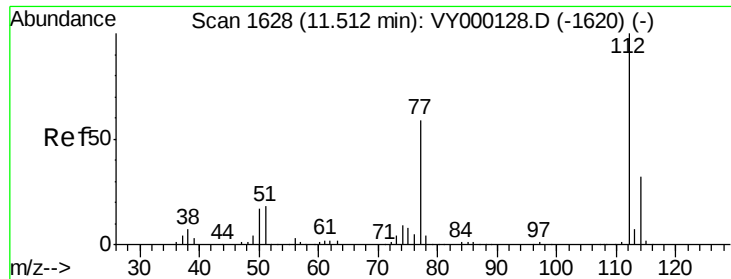
MMDadoda
9/25/2019 12:39:22 AM



#64
Tetrachloroethene
Concen: 48.923 ug/l
RT: 10.72 min Scan# 1498
Delta R.T. 0.00 min
Lab File: VY000128.D
Acq: 23 Sep 2019 12:09

Tgt Ion	Ratio	Lower	Upper
164	100		
166	121.3	97.0	145.6
129	97.0	77.6	116.4
131	90.1	72.1	108.1





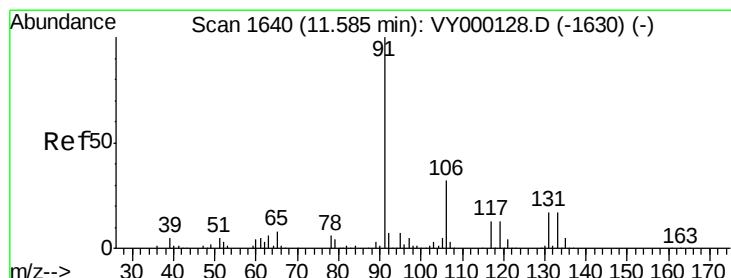
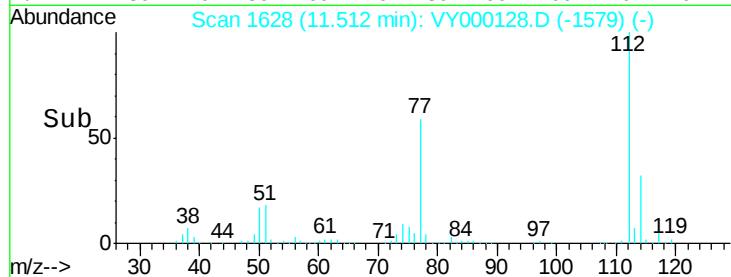
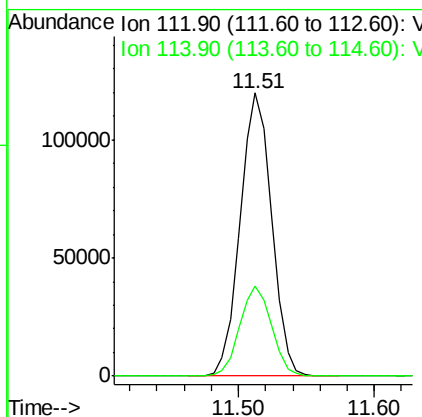
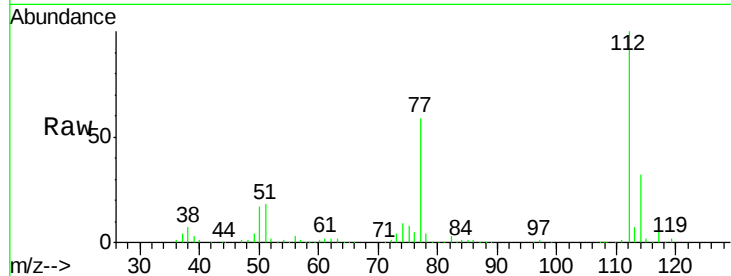
#65
Chlorobenzene
Concen: 48.428 ug/l
RT: 11.51 min Scan# 1628
Delta R.T. 0.00 min
Lab File: VY000128.D
Acq: 23 Sep 2019 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion:112 Resp: 193417
Ion Ratio Lower Upper
112 100
114 32.0 25.6 38.4

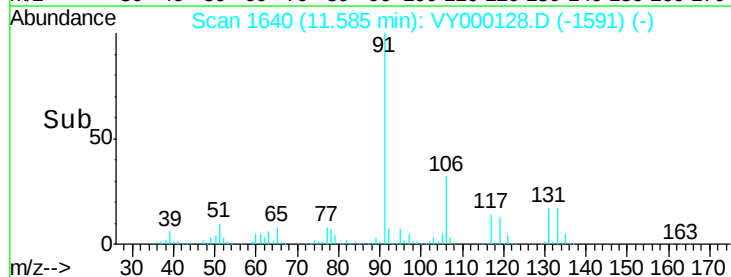
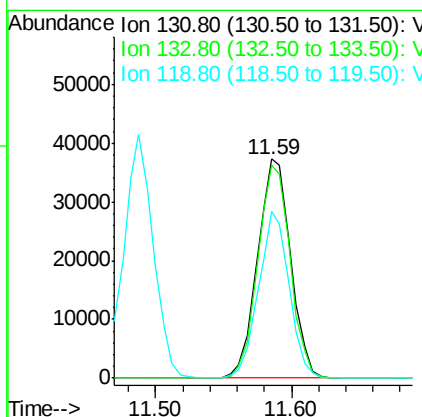
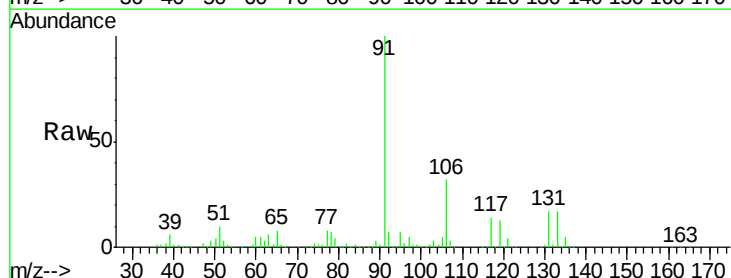
Manual Integrations
APPROVED

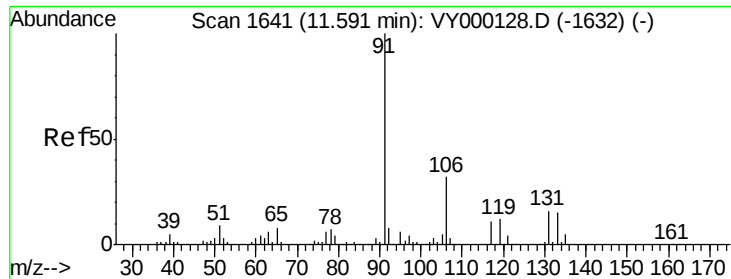
MMDadoda
9/25/2019 12:39:22 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 49.537 ug/l
RT: 11.59 min Scan# 1640
Delta R.T. 0.00 min
Lab File: VY000128.D
Acq: 23 Sep 2019 12:09

Tgt Ion:131 Resp: 63572
Ion Ratio Lower Upper
131 100
133 95.0 47.5 142.5
119 70.8 35.4 106.2





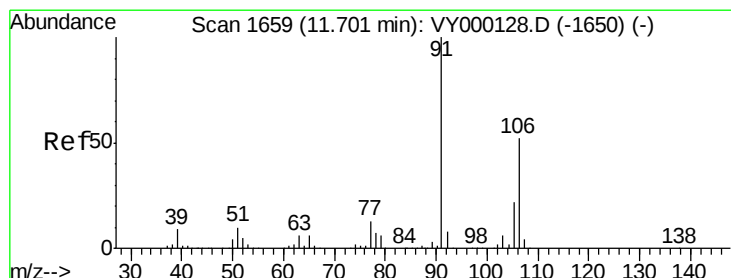
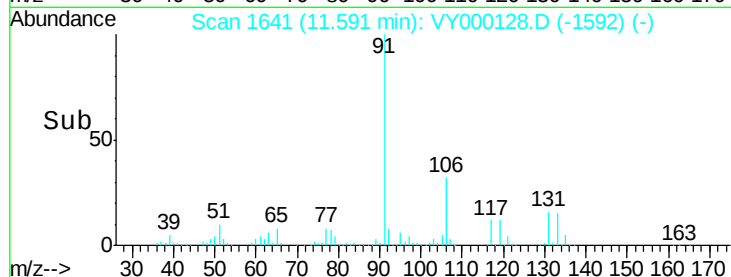
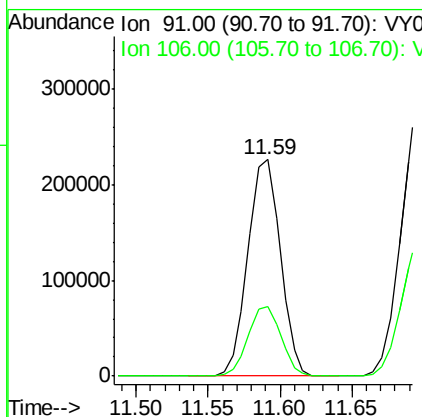
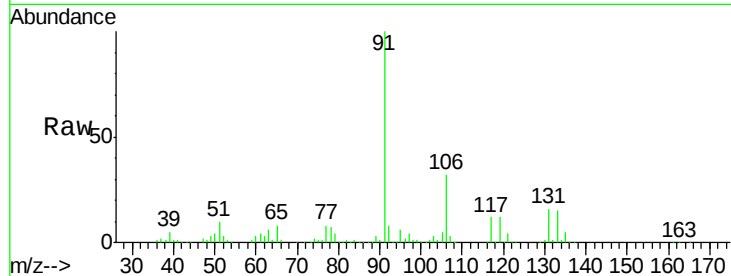
#67
Ethyl Benzene
Concen: 48.769 ug/l
RT: 11.59 min Scan# 1641
Delta R.T. 0.00 min
Lab File: VY000128.D
Acq: 23 Sep 2019 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 354052
Ion Ratio Lower Upper
91 100
106 32.0 25.6 38.4

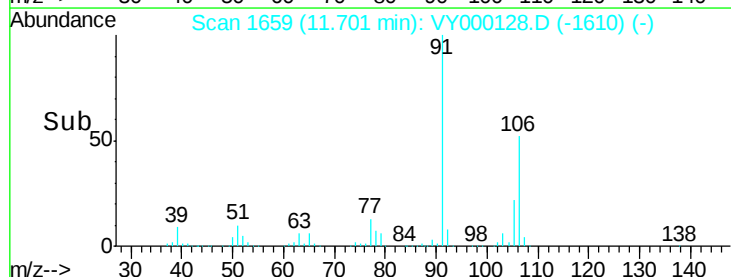
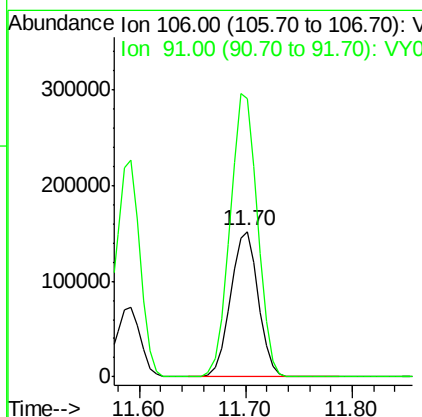
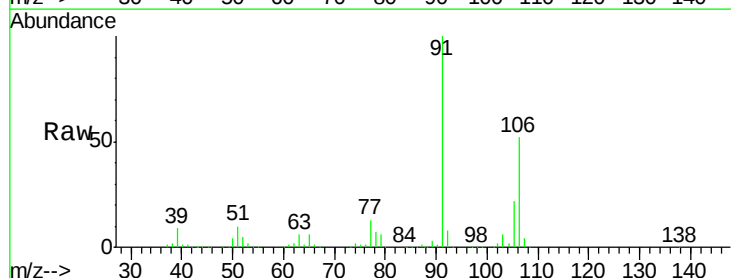
Manual Integrations
APPROVED

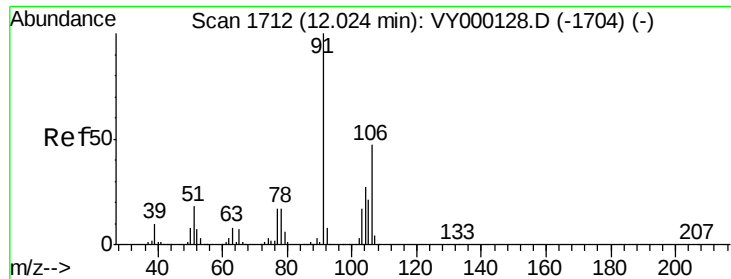
MMDadoda
9/25/2019 12:39:22 AM



#68
m/p-Xylenes
Concen: 98.835 ug/l
RT: 11.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VY000128.D
Acq: 23 Sep 2019 12:09

Tgt Ion: 106 Resp: 276695
Ion Ratio Lower Upper
106 100
91 193.3 154.6 232.0





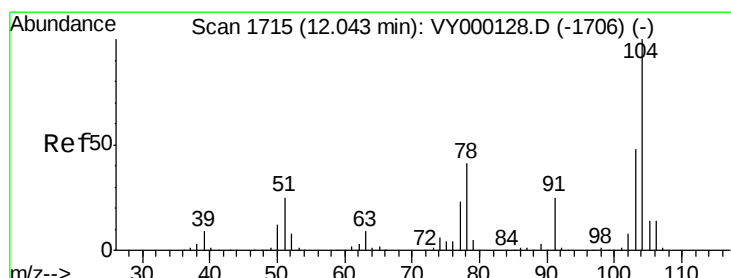
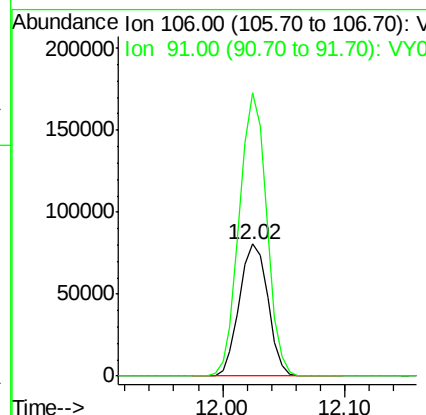
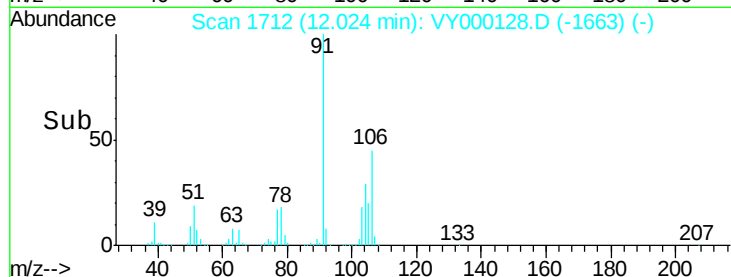
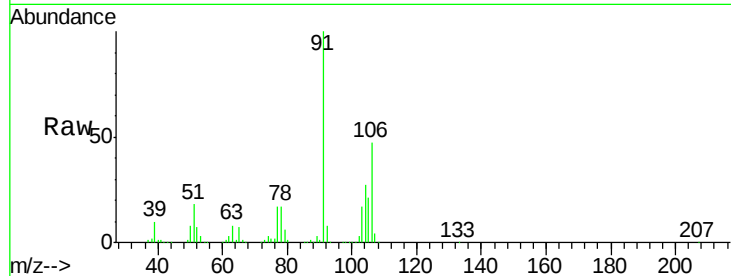
#69
o-Xylene
Concen: 48.843 ug/l
RT: 12.02 min Scan# 1712
Delta R.T. 0.00 min
Lab File: VY000128.D
Acq: 23 Sep 2019 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	204.1	102.1	306.1		

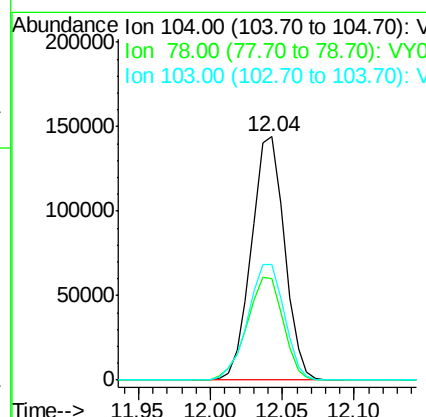
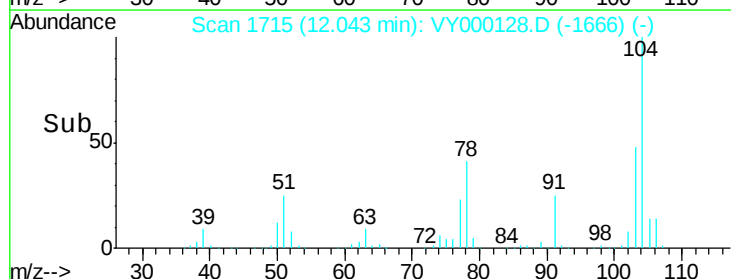
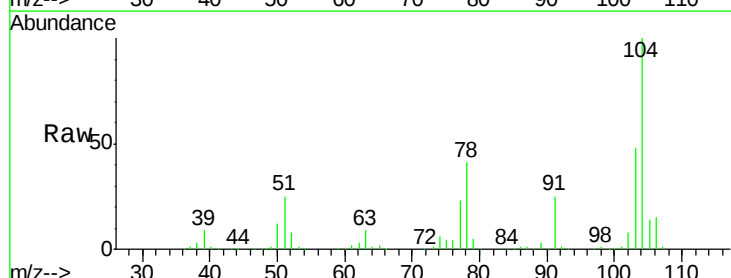
Manual Integrations
APPROVED

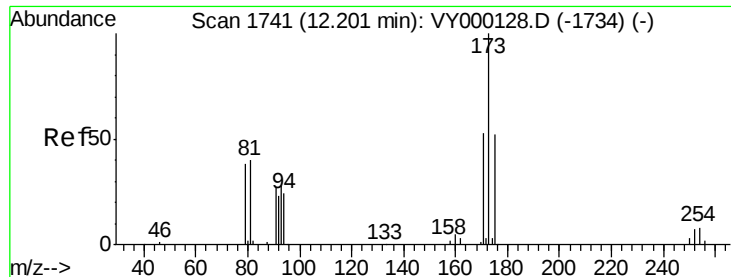
MMDadoda
9/25/2019 12:39:22 AM



#70
Styrene
Concen: 50.512 ug/l
RT: 12.04 min Scan# 1715
Delta R.T. 0.00 min
Lab File: VY000128.D
Acq: 23 Sep 2019 12:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	46.6	37.3	55.9		
103	52.7	42.2	63.2		





#71

Bromoform

Concen: 49.634 ug/l

RT: 12.20 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VY000128.D

Acq: 23 Sep 2019 12:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tot Ion:173 Resp: 35964

Ion Ratio Lower Upper

173 100

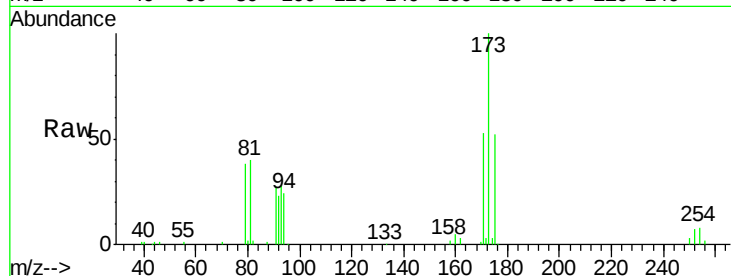
175 47.9 23.9 71.8

254 0.0 0.0 0.0

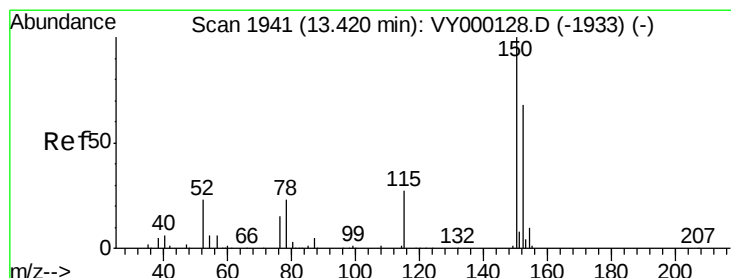
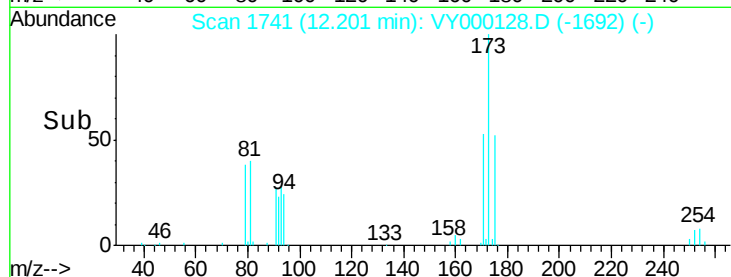
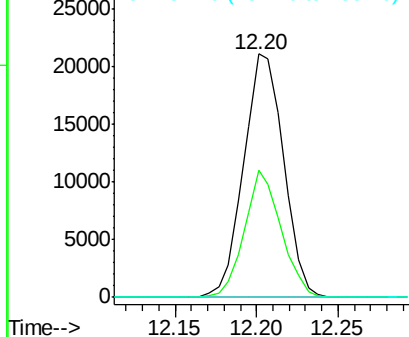
Manual Integrations
APPROVED

MMDadoda

9/25/2019 12:39:22 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: 13.42 min Scan# 1941

Delta R.T. 0.00 min

Lab File: VY000128.D

Acq: 23 Sep 2019 12:09

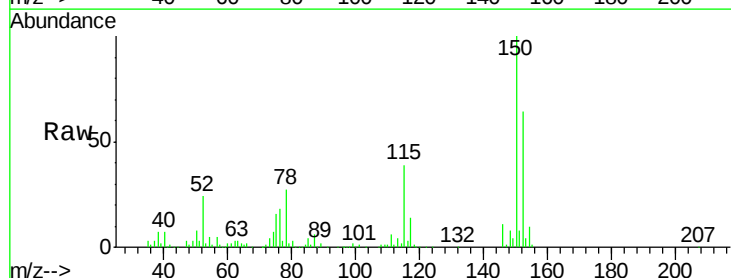
Tgt Ion:152 Resp: 87064

Ion Ratio Lower Upper

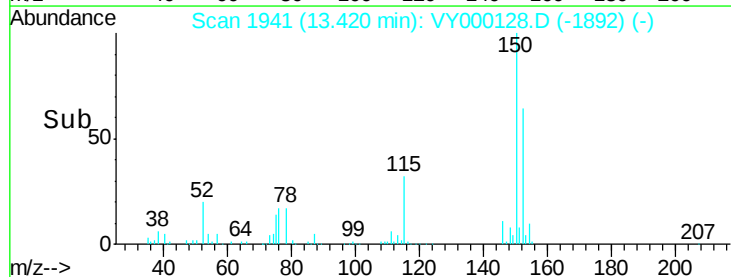
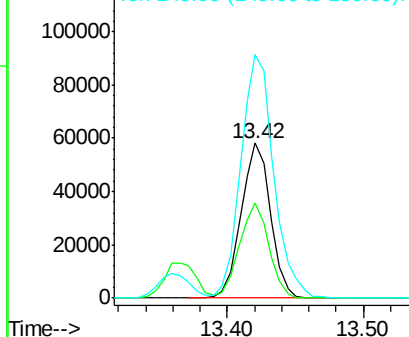
152 100

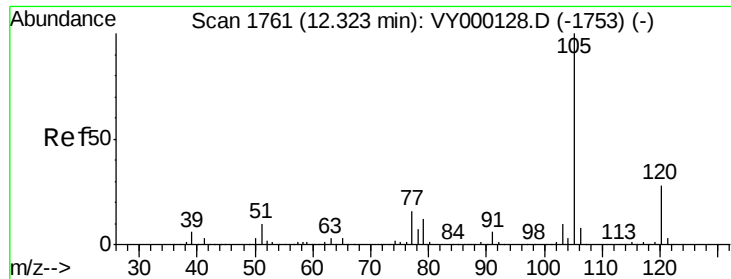
115 61.5 30.8 92.3

150 177.3 0.0 354.6



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





#73

Isopropylbenzene

Concen: 48.614 ug/l

RT: 12.32 min Scan# 1761

Delta R.T. 0.00 min

Lab File: VY000128.D

Acq: 23 Sep 2019 12:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tot Ion: 105 Resp: 336997

Ion Ratio Lower Upper

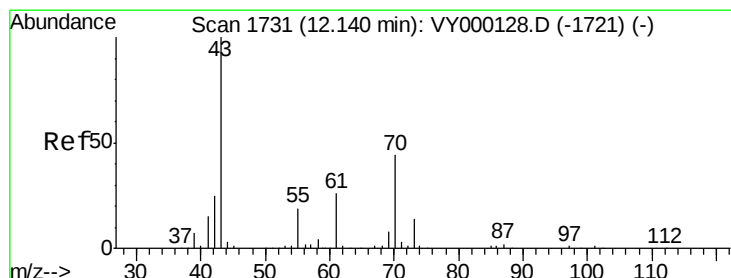
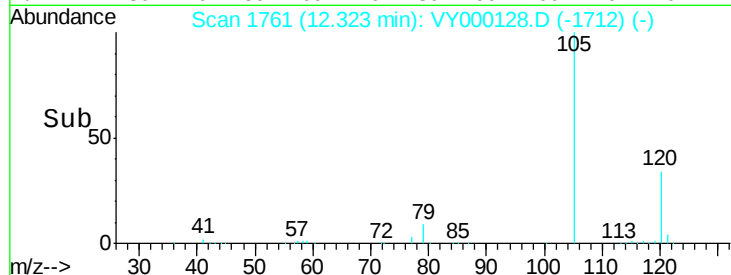
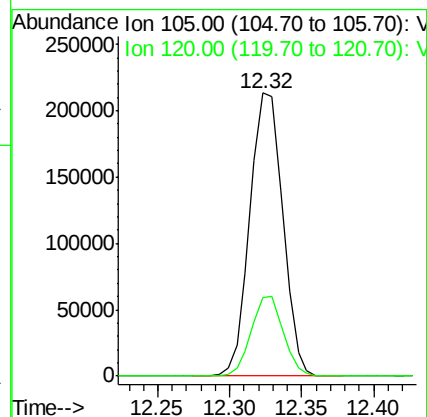
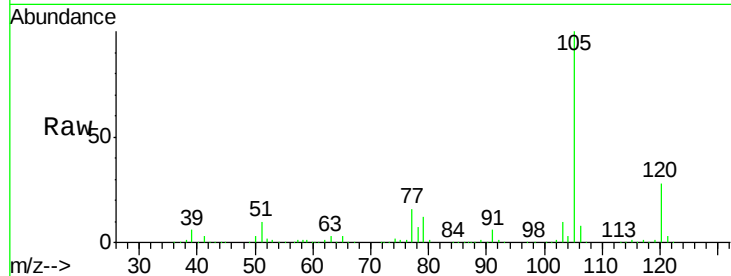
105 100

120 27.5 13.8 41.3

Manual Integrations
APPROVED

MMDadoda

9/25/2019 12:39:22 AM



#74

N-ethyl acetate

Concen: 50.006 ug/l

RT: 12.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VY000128.D

Acq: 23 Sep 2019 12:09

Tgt Ion: 43 Resp: 96611

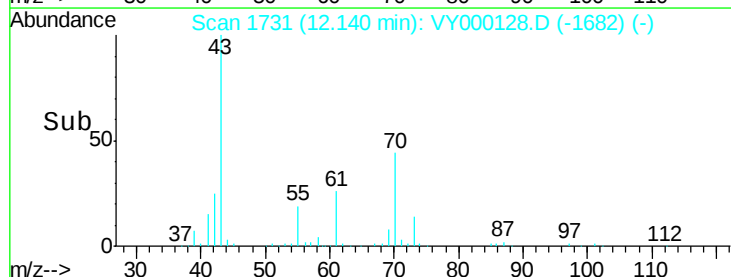
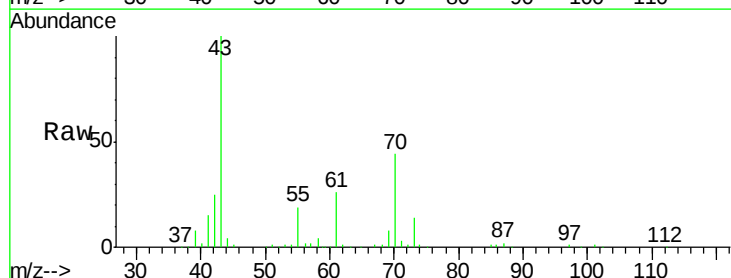
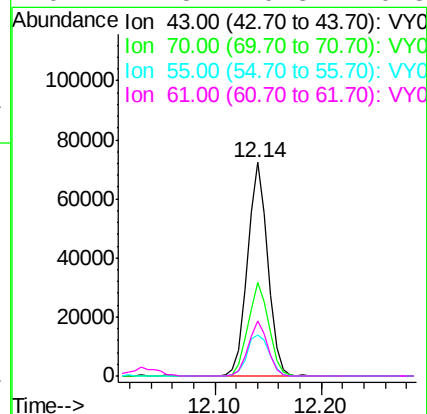
Ion Ratio Lower Upper

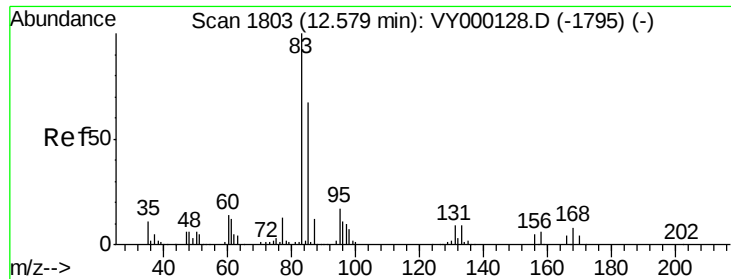
43 100

70 44.6 35.7 53.5

55 21.5 17.2 25.8

61 24.8 19.8 29.8





#75

1,1,2,2-Tetrachloroethane

Concen: 48.842 ug/l

RT: 12.58 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VY000128.D

Acq: 23 Sep 2019 12:09

Instrument :

MSVOA_Y

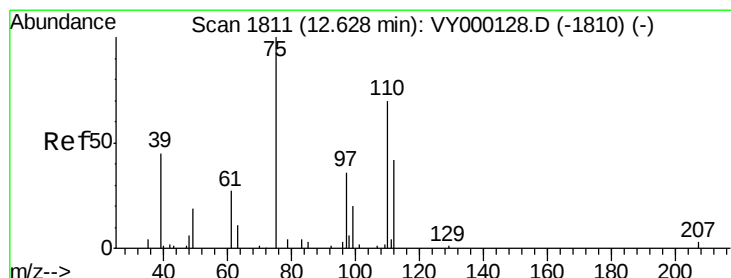
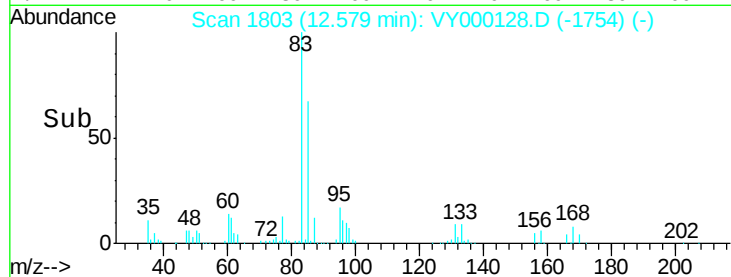
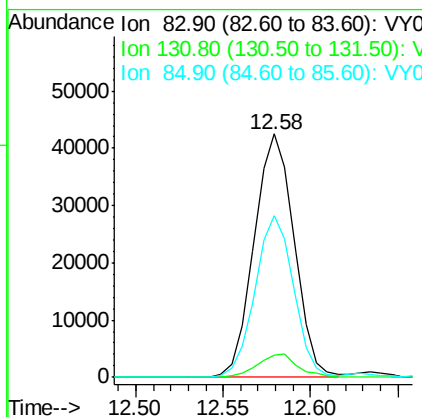
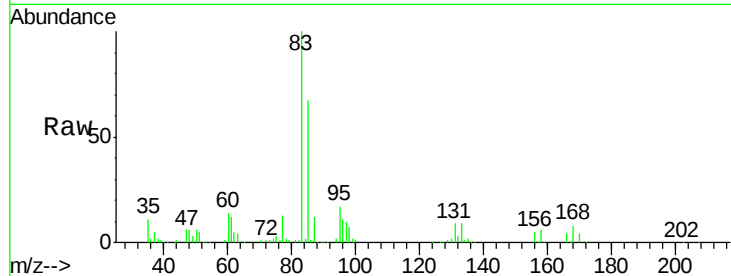
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	67600
Ion Ratio	Lower	Upper	
83	100		
131	9.7	4.9	14.6
85	64.0	32.0	96.0

Manual Integrations
APPROVED

MMDadoda
9/25/2019 12:39:22 AM



#76

1,2,3-Trichloropropane

Concen: 23.255 ug/l m

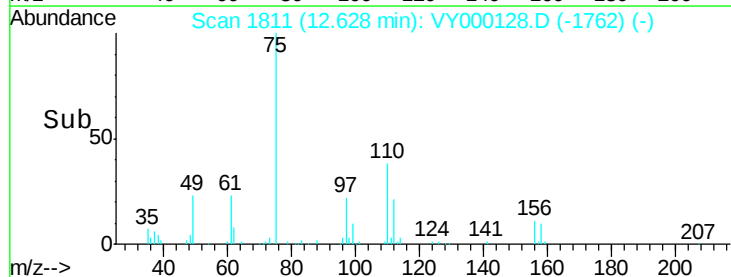
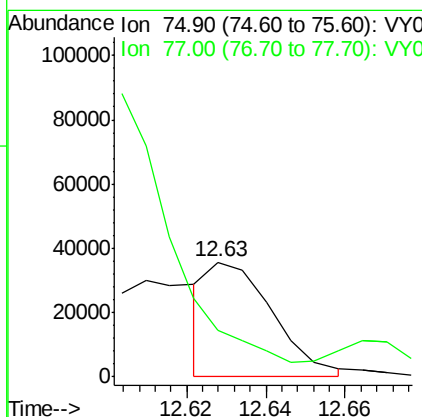
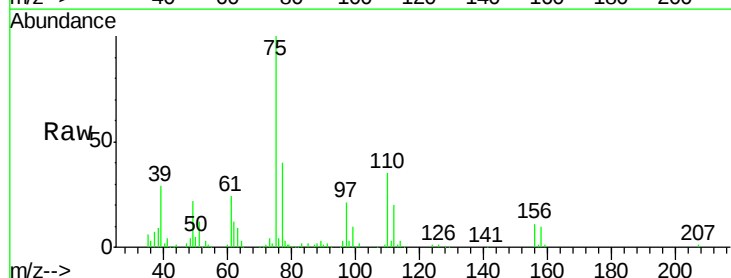
RT: 12.63 min Scan# 1811

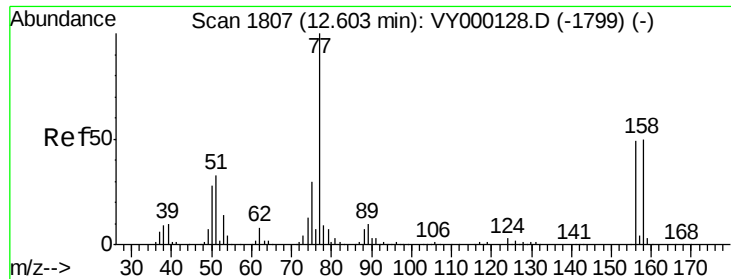
Delta R.T. 0.00 min

Lab File: VY000128.D

Acq: 23 Sep 2019 12:09

Tgt Ion:	75	Resp:	40552
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 49.594 ug/l

RT: 12.60 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VY000128.D

Acq: 23 Sep 2019 12:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tot Ion:156 Resp: 71890

Ion Ratio Lower Upper

156 100

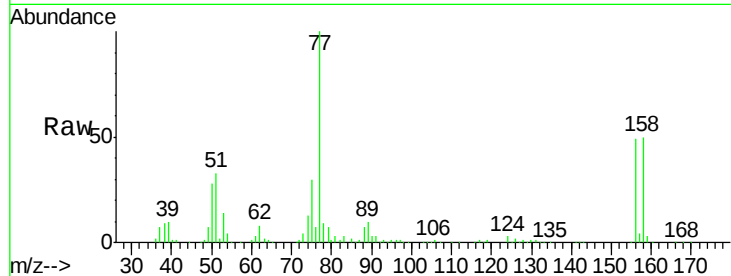
77 209.9 105.0 314.9

158 96.8 48.4 145.2

Manual Integrations
APPROVED

MMDadoda

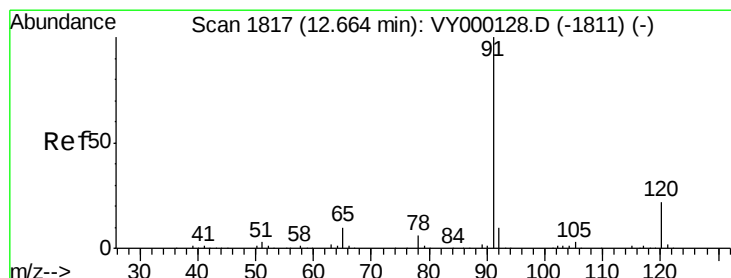
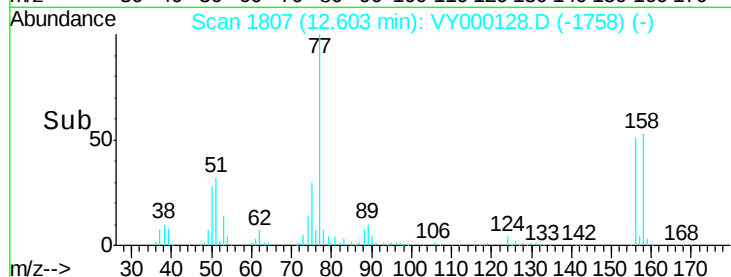
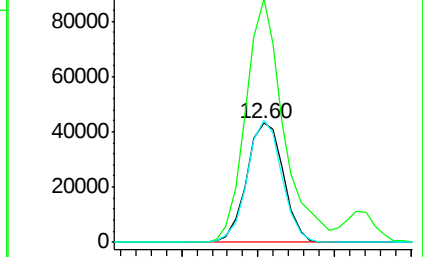
9/25/2019 12:39:22 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.508 ug/l

RT: 12.66 min Scan# 1817

Delta R.T. 0.00 min

Lab File: VY000128.D

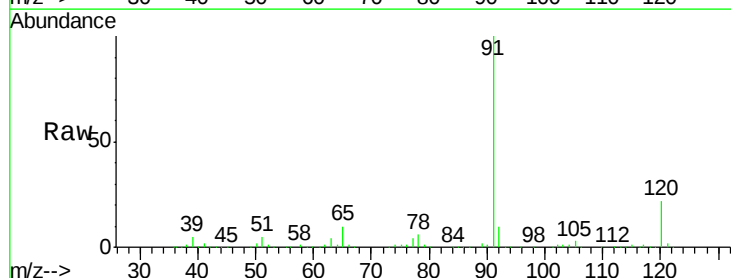
Acq: 23 Sep 2019 12:09

Tgt Ion: 91 Resp: 415865

Ion Ratio Lower Upper

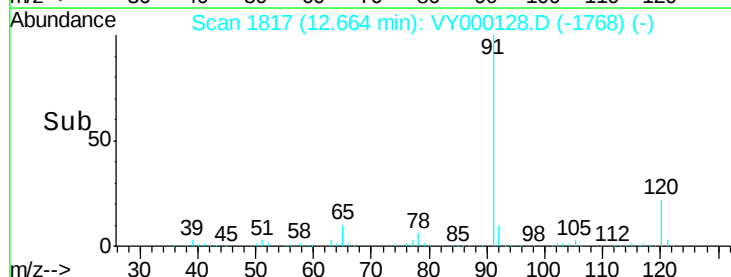
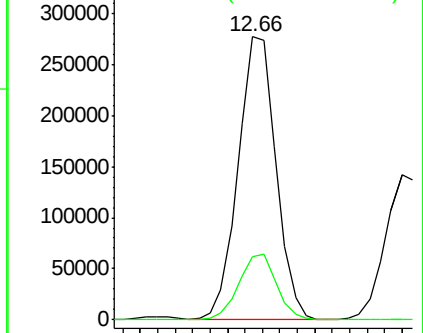
91 100

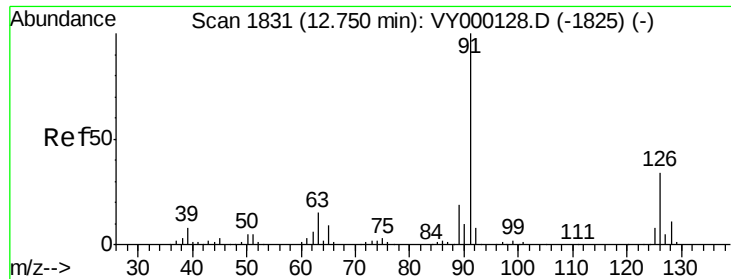
120 23.1 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.271 ug/l

RT: 12.75 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VY000128.D

Acq: 23 Sep 2019 12:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 227184

Ion Ratio Lower Upper

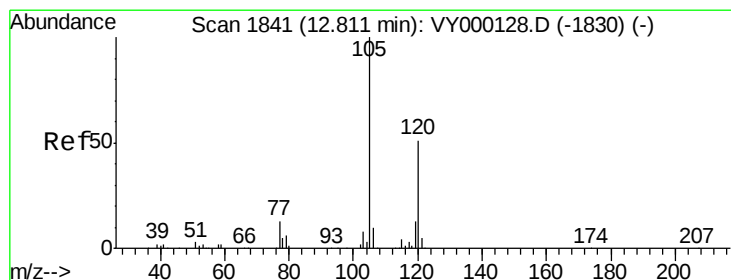
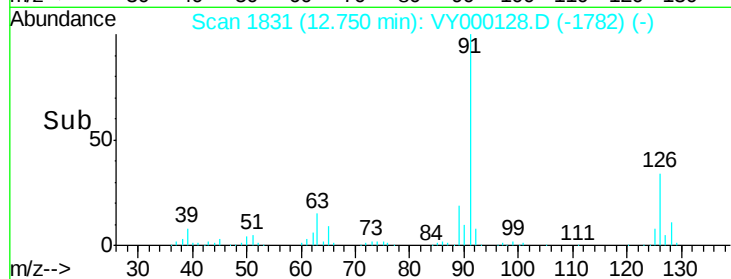
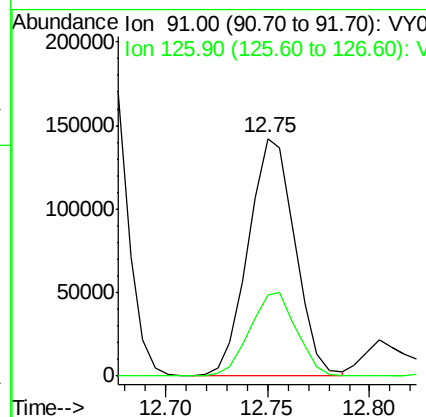
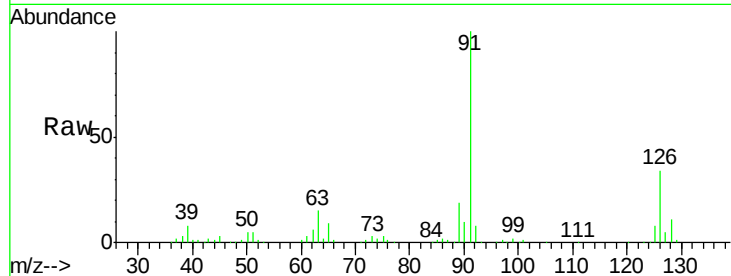
91 100

126 35.0 17.5 52.5

Manual Integrations
APPROVED

MMDadoda

9/25/2019 12:39:22 AM



#80

1,3,5-Trimethylbenzene

Concen: 48.802 ug/l

RT: 12.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VY000128.D

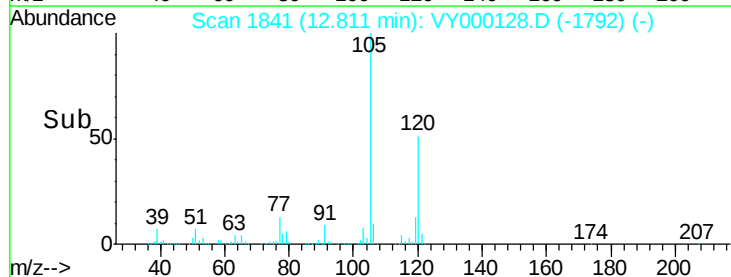
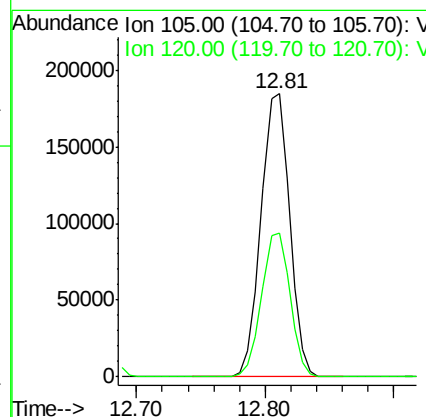
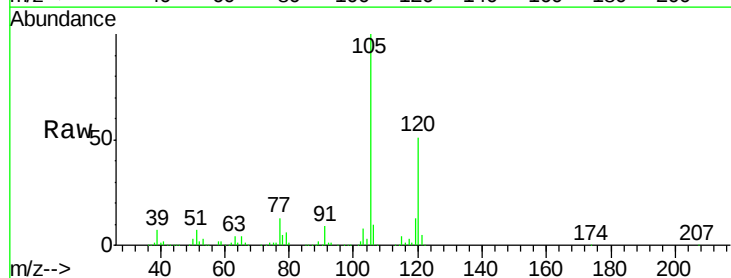
Acq: 23 Sep 2019 12:09

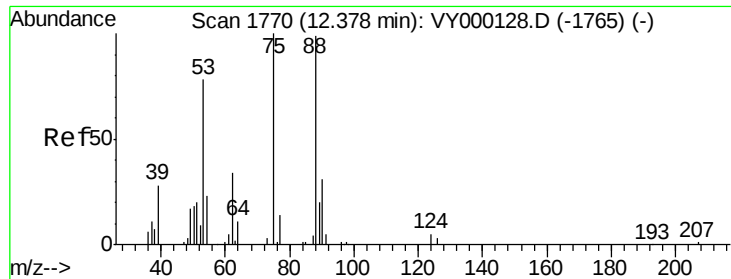
Tgt Ion: 105 Resp: 283108

Ion Ratio Lower Upper

105 100

120 50.5 25.3 75.8





#81

trans-1,4-Dichloro-2-butene

Concen: 50.300 ug/l

RT: 12.38 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VY000128.D

Acq: 23 Sep 2019 12:09

Instrument :

MSVOA_Y

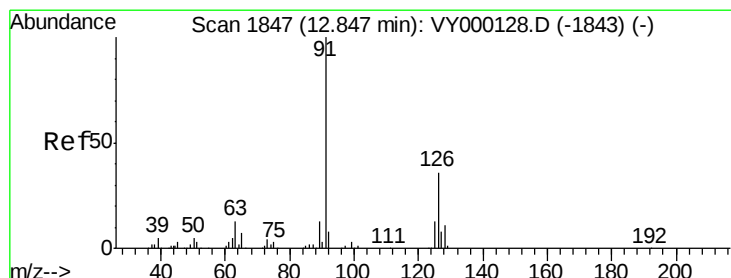
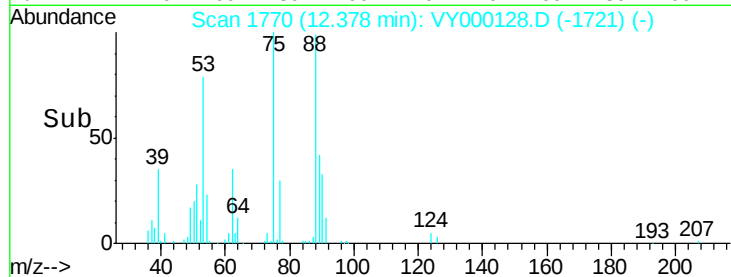
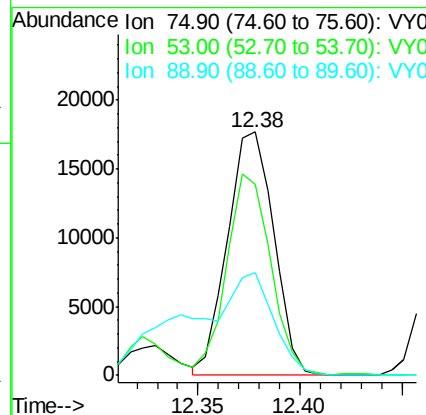
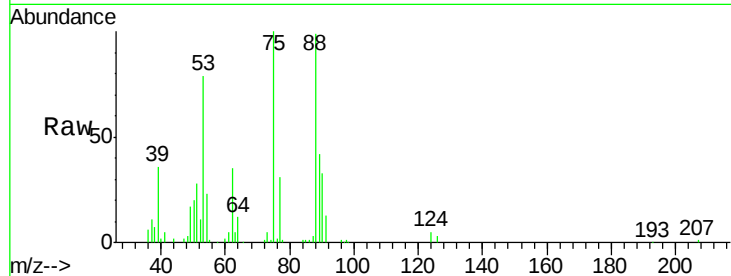
ClientSampleId :

VSTDICCC050

Tot Ion:	75	Resp:	27921
Ion	Ratio	Lower	Upper
75	100		
53	78.1	62.5	93.7
89	39.3	31.4	47.2

Manual Integrations
APPROVED

MMDadoda
9/25/2019 12:39:22 AM



#82

4-Chlorotoluene

Concen: 49.528 ug/l

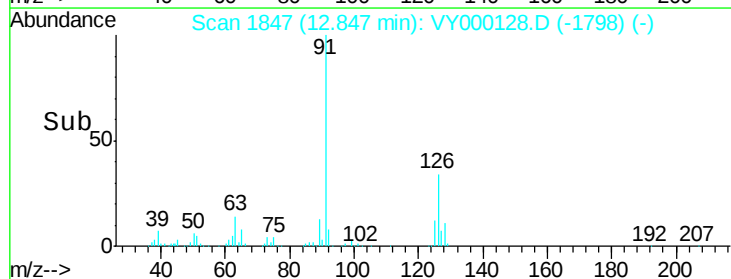
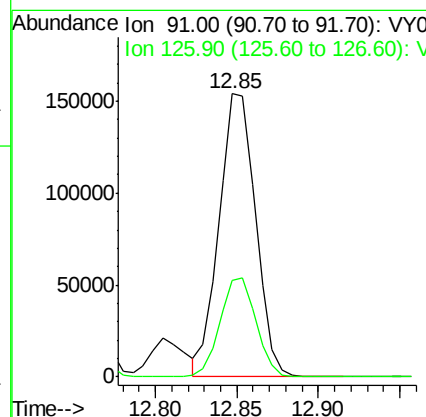
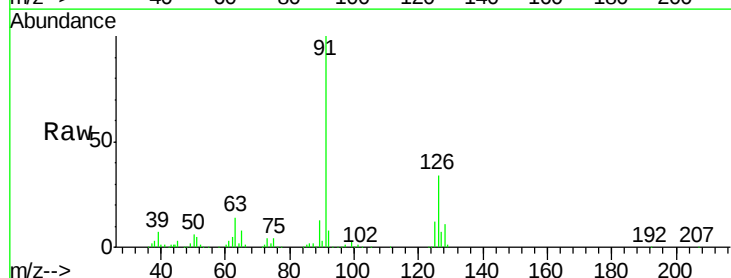
RT: 12.85 min Scan# 1847

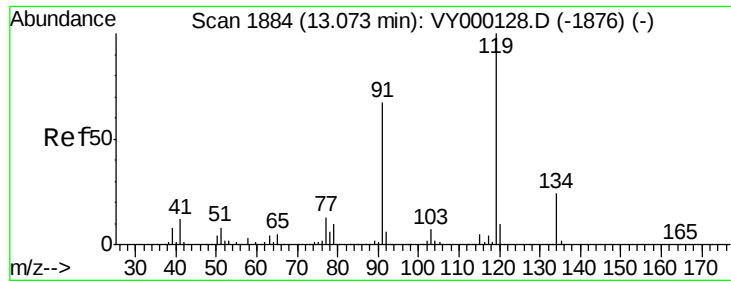
Delta R.T. 0.00 min

Lab File: VY000128.D

Acq: 23 Sep 2019 12:09

Tgt Ion:	91	Resp:	240418
Ion	Ratio	Lower	Upper
91	100		
126	34.6	17.3	51.9





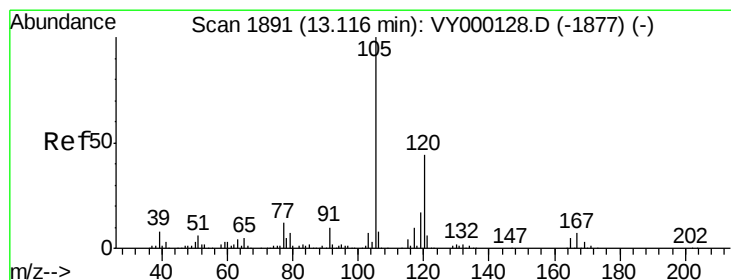
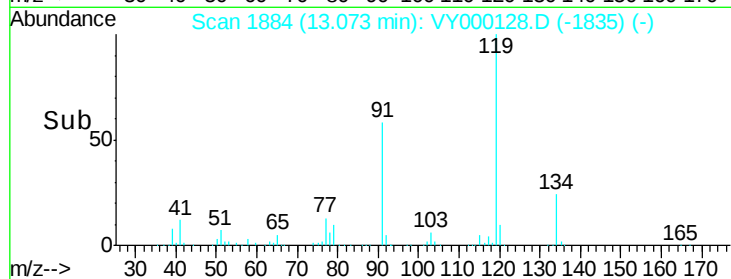
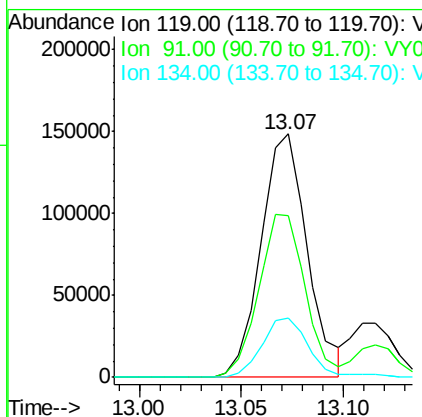
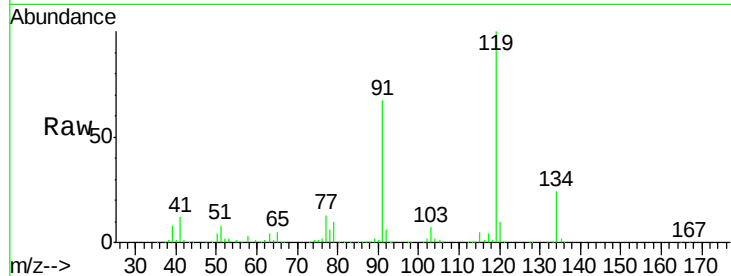
#83
 tert-Butylbenzene
 Concen: 49.440 ug/l
 RT: 13.07 min Scan# 1884
 Delta R.T. 0.00 min
 Lab File: VY000128.D
 Acq: 23 Sep 2019 12:09

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	234939		
91	67.2	33.6	100.8	
134	25.1	12.6	37.6	

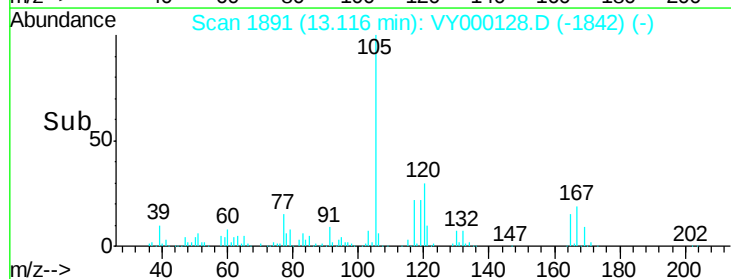
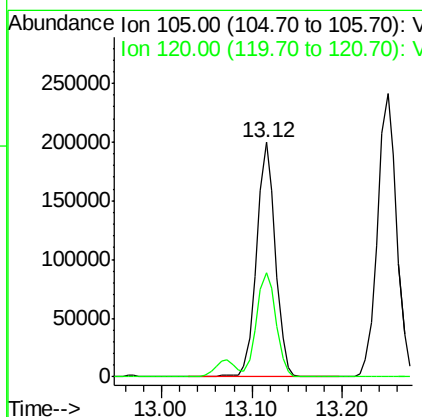
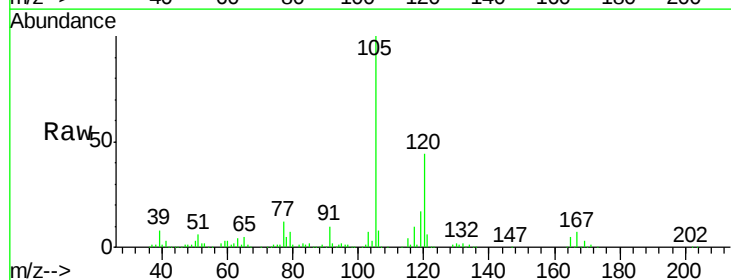
Manual Integrations
 APPROVED

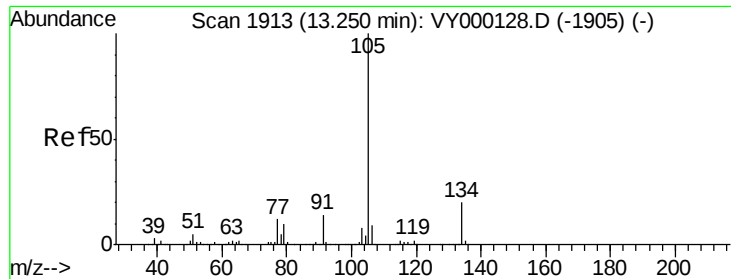
MMDadoda
 9/25/2019 12:39:22 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 49.273 ug/l
 RT: 13.12 min Scan# 1891
 Delta R.T. 0.00 min
 Lab File: VY000128.D
 Acq: 23 Sep 2019 12:09

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	285262		
120	45.9	22.9	68.8	





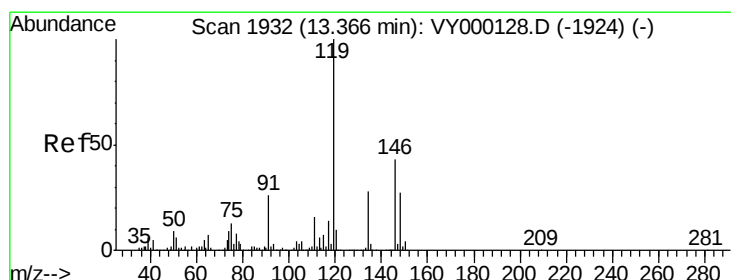
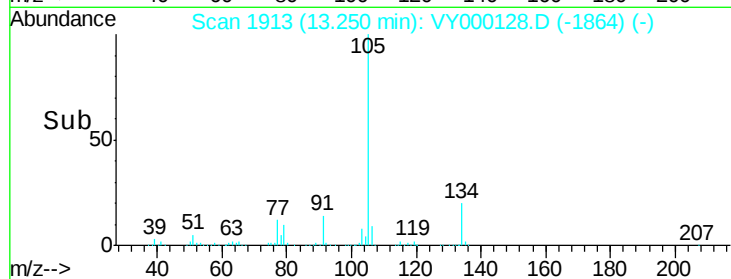
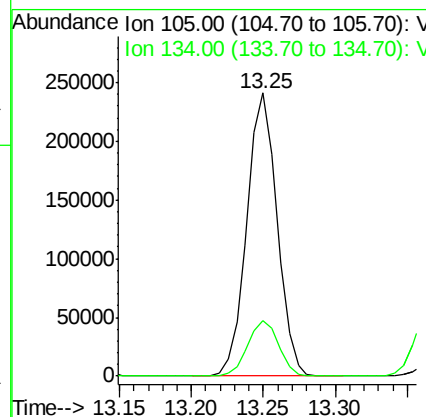
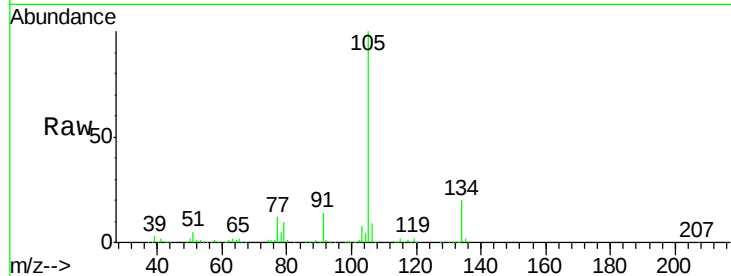
#85
 sec-Butylbenzene
 Concen: 49.211 ug/l
 RT: 13.25 min Scan# 1913
 Delta R.T. 0.00 min
 Lab File: VY000128.D
 Acq: 23 Sep 2019 12:09

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
105	100	349581		
134	20.3	10.2	30.4	

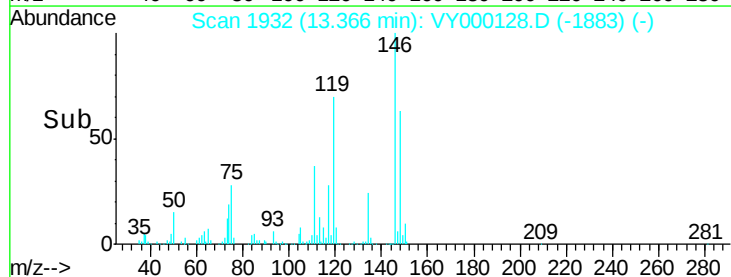
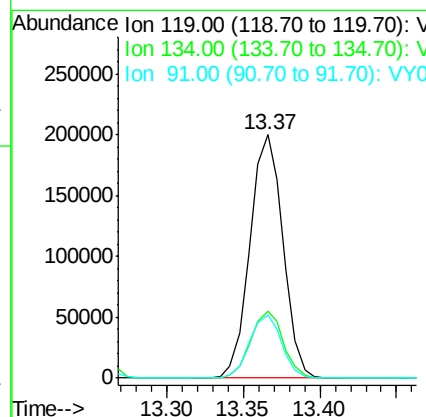
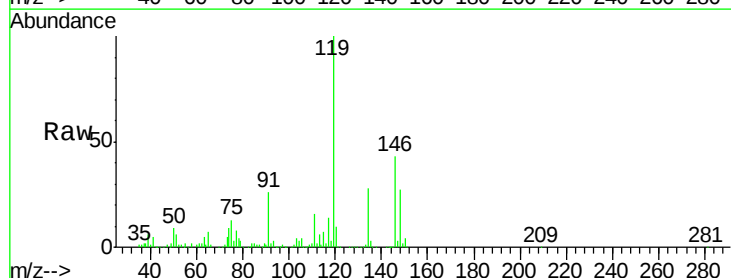
Manual Integrations
 APPROVED

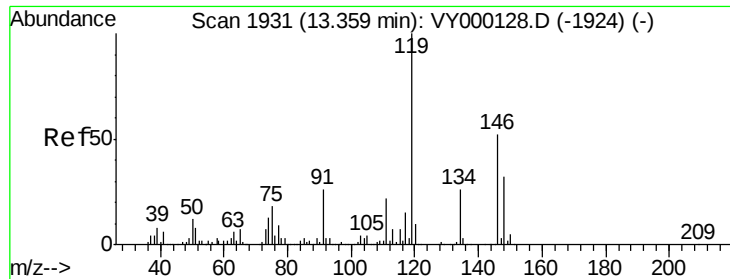
MMDadoda
 9/25/2019 12:39:22 AM



#86
 p-Isopropyltoluene
 Concen: 49.425 ug/l
 RT: 13.37 min Scan# 1932
 Delta R.T. 0.00 min
 Lab File: VY000128.D
 Acq: 23 Sep 2019 12:09

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	299359		
134	27.2	13.6	40.8	
91	25.5	12.8	38.3	





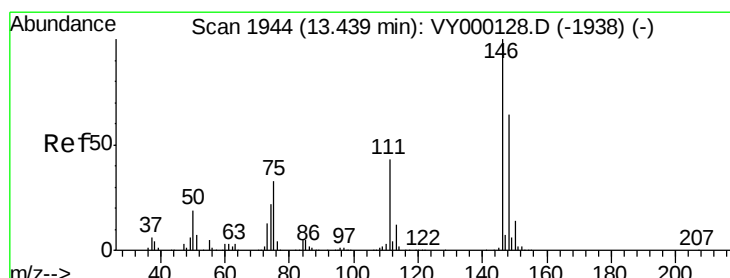
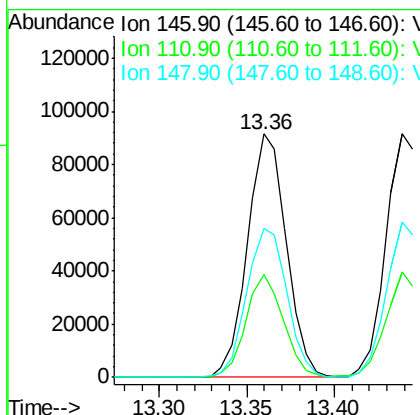
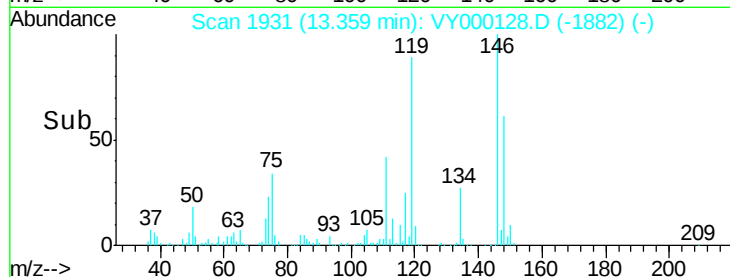
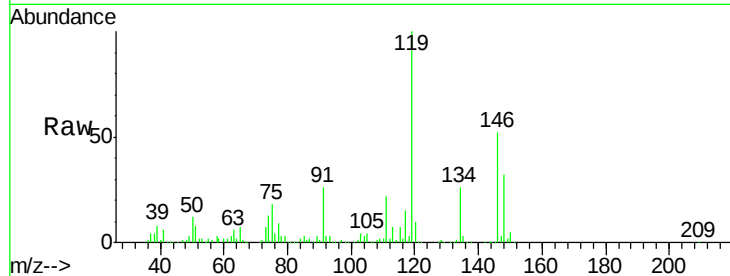
#87
 1,3-Dichlorobenzene
 Concen: 49.773 ug/l
 RT: 13.36 min Scan# 1931
 Delta R.T. 0.00 min
 Lab File: VY000128.D
 Acq: 23 Sep 2019 12:09

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	141169		
111	40.8	20.4	61.2	
148	63.7	31.9	95.5	

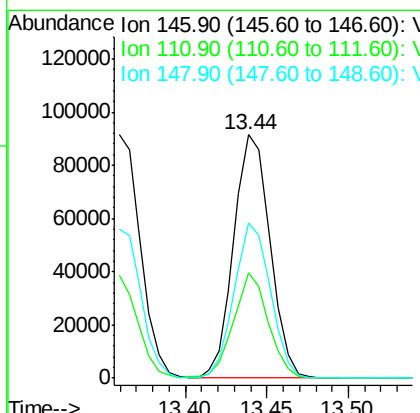
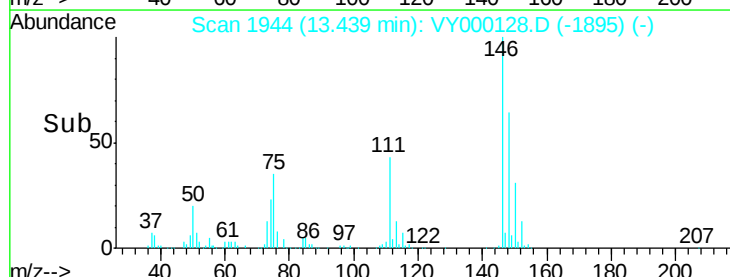
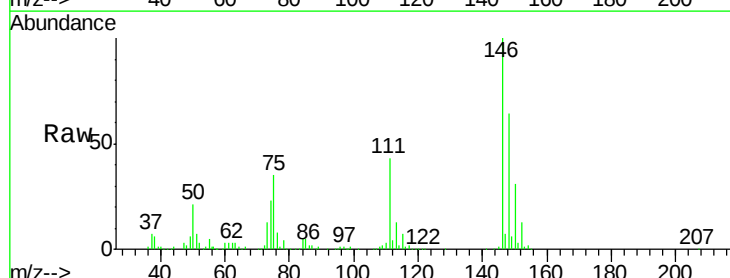
Manual Integrations
 APPROVED

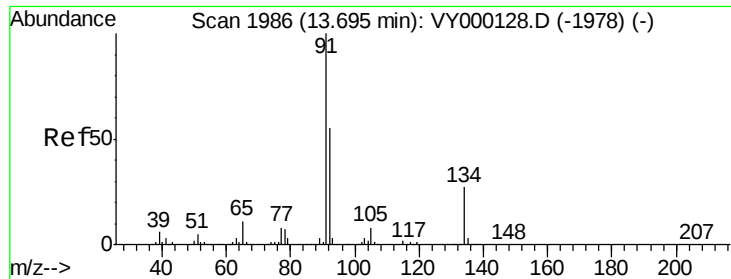
MMDadoda
 9/25/2019 12:39:22 AM



#88
 1,4-Dichlorobenzene
 Concen: 49.164 ug/l
 RT: 13.44 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VY000128.D
 Acq: 23 Sep 2019 12:09

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	142330		
111	41.2	20.6	61.8	
148	63.3	31.6	95.0	





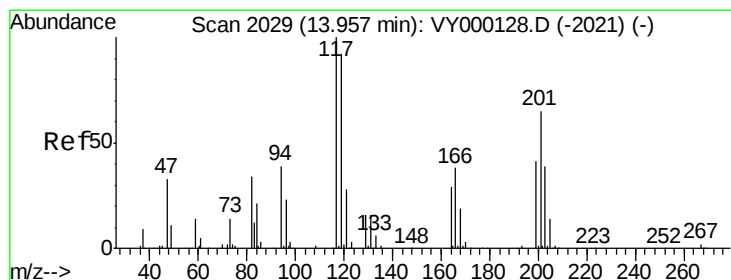
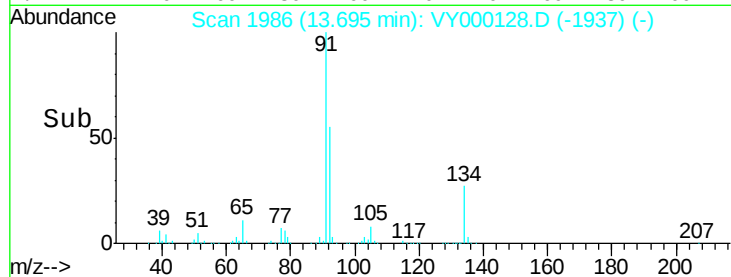
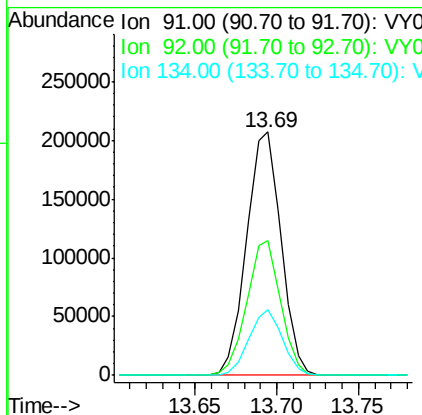
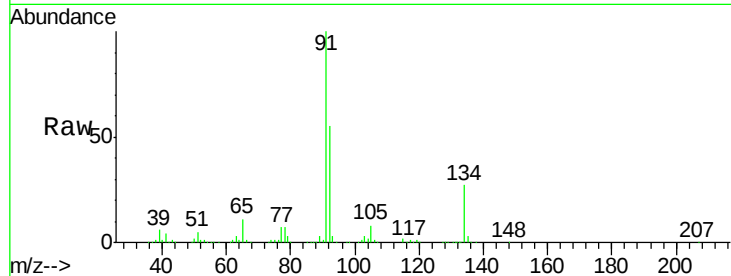
#89
n-Butylbenzene
Concen: 49.257 ug/l
RT: 13.69 min Scan# 1986
Delta R.T. 0.00 min
Lab File: VY000128.D
Acq: 23 Sep 2019 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	54.3	27.2	81.5	
134	25.8	12.9	38.7	

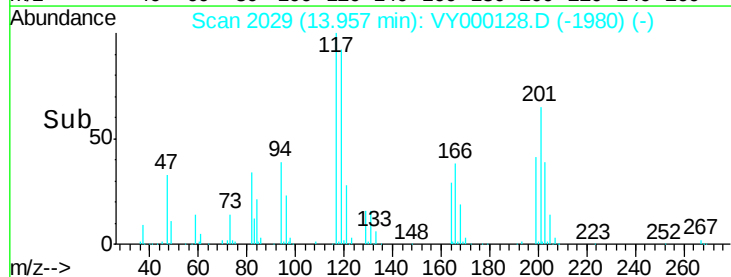
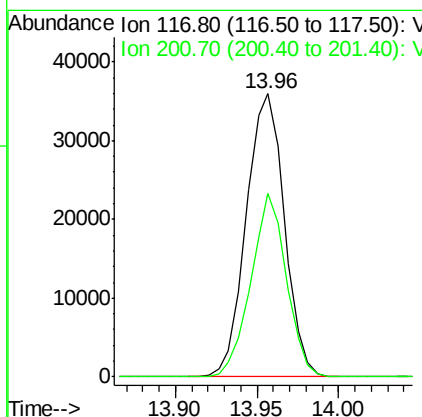
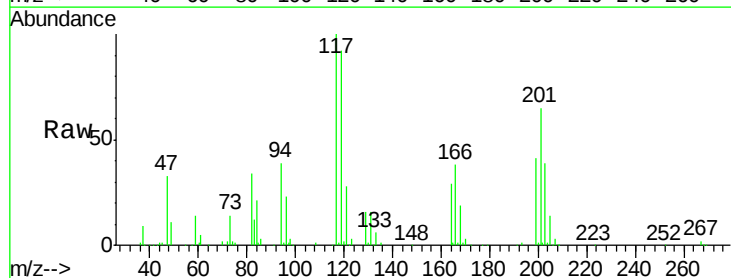
Manual Integrations
APPROVED

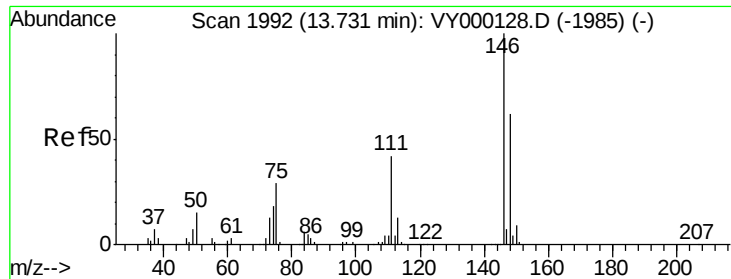
MMDadoda
9/25/2019 12:39:22 AM



#90
Hexachloroethane
Concen: 48.761 ug/l
RT: 13.96 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VY000128.D
Acq: 23 Sep 2019 12:09

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	60.3	30.1	90.5	





#91

1,2-Dichlorobenzene

Concen: 49.874 ug/l

RT: 13.73 min Scan# 1992

Delta R.T. 0.00 min

Lab File: VY000128.D

Acq: 23 Sep 2019 12:09

Instrument :

MSVOA_Y

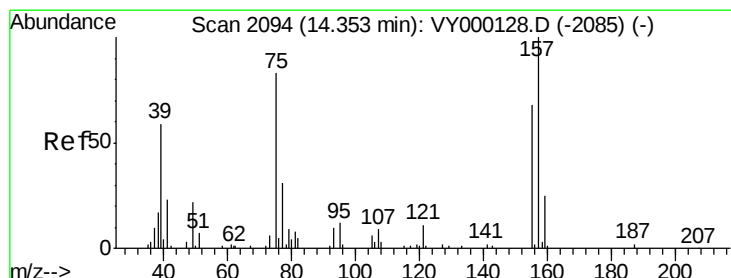
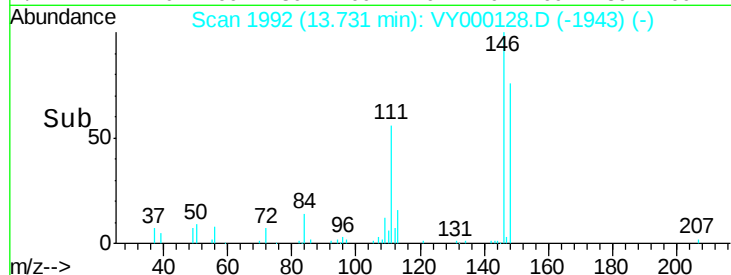
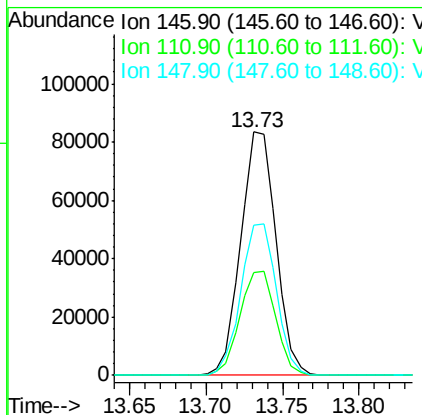
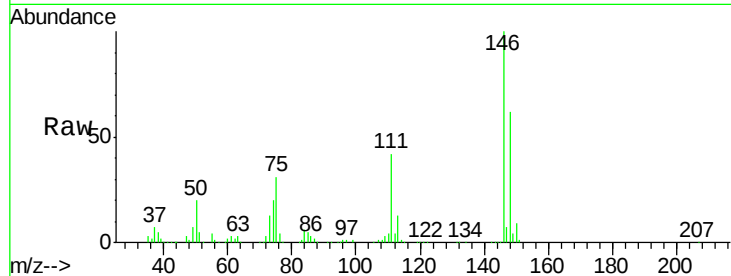
ClientSampleId :

VSTDICCC050

Tot Ion:	146	Resp:	133447
Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.7	65.1
148	63.0	31.5	94.5

Manual Integrations
APPROVED

MMDadoda
9/25/2019 12:39:22 AM



#92

1,2-Dibromo-3-Chloropropane

Concen: 45.244 ug/l

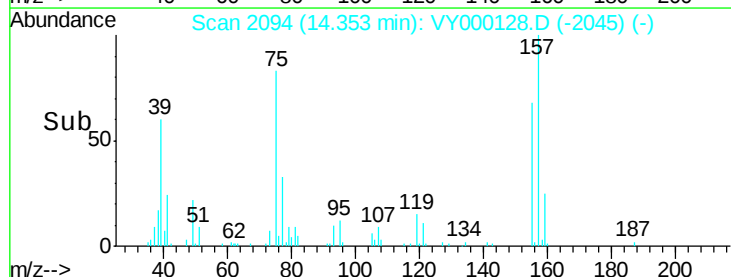
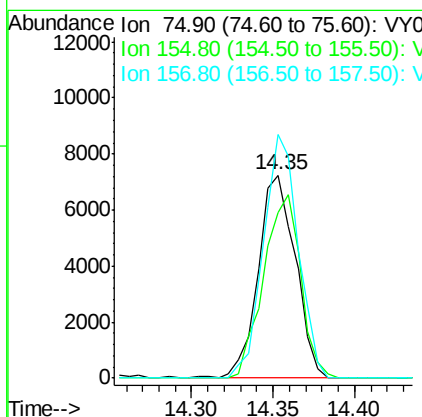
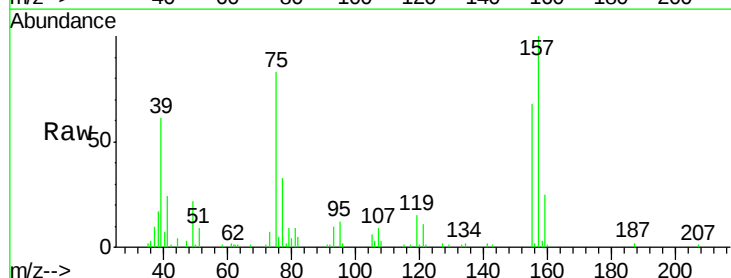
RT: 14.35 min Scan# 2094

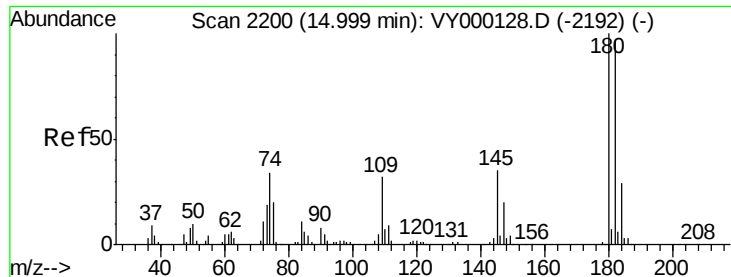
Delta R.T. 0.00 min

Lab File: VY000128.D

Acq: 23 Sep 2019 12:09

Tgt Ion:	75	Resp:	11510
Ion	Ratio	Lower	Upper
75	100		
155	89.4	44.7	134.1
157	111.8	55.9	167.7





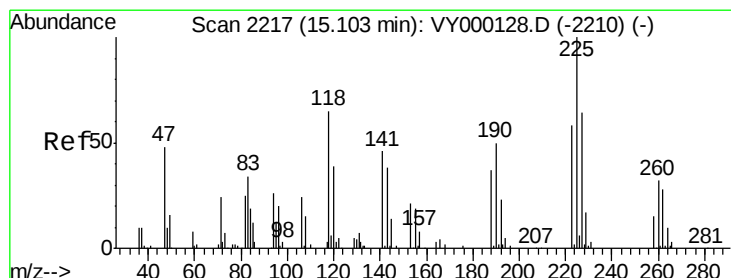
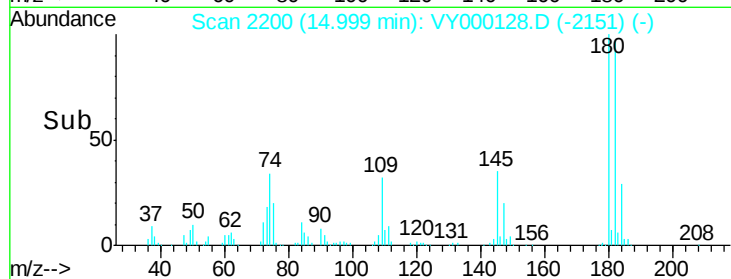
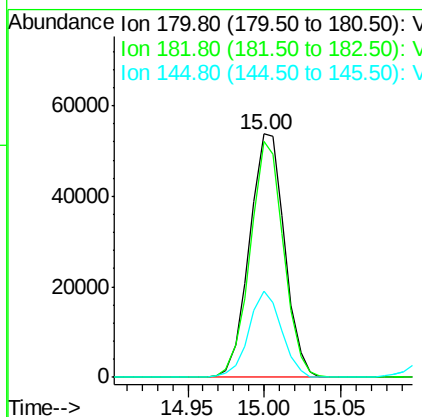
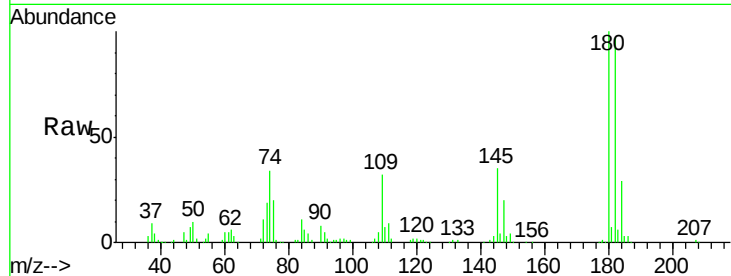
#93
 1,2,4-Trichlorobenzene
 Concen: 49.823 ug/l
 RT: 15.00 min Scan# 2200
 Delta R.T. 0.00 min
 Lab File: VY000128.D
 Acq: 23 Sep 2019 12:09

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	85713		
182	92.1	46.1	138.2	
145	33.5	16.8	50.3	

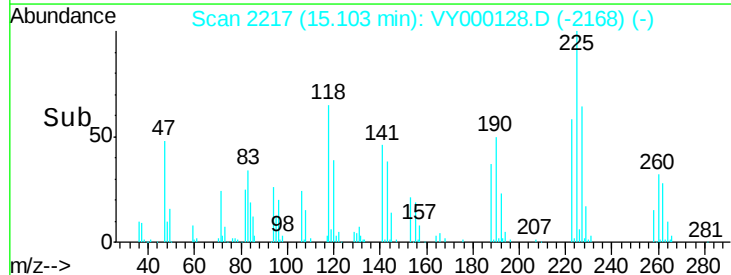
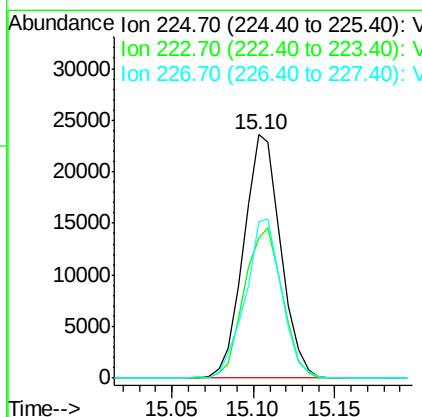
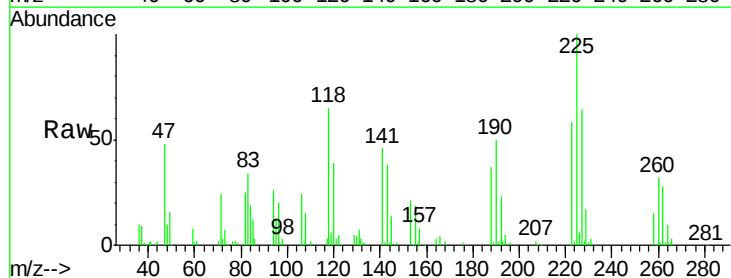
Manual Integrations
 APPROVED

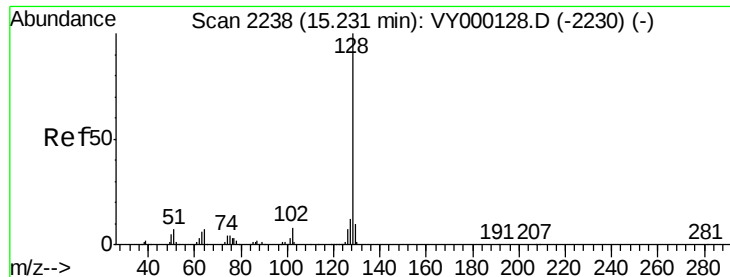
MMDadoda
 9/25/2019 12:39:22 AM



#94
 Hexachlorobutadiene
 Concen: 48.610 ug/l
 RT: 15.10 min Scan# 2217
 Delta R.T. 0.00 min
 Lab File: VY000128.D
 Acq: 23 Sep 2019 12:09

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	37169		
223	63.7	31.9	95.5	
227	64.5	32.3	96.8	





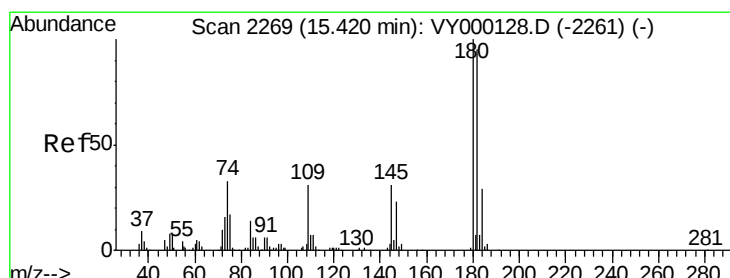
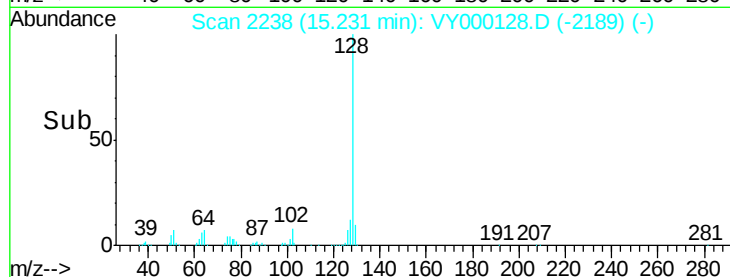
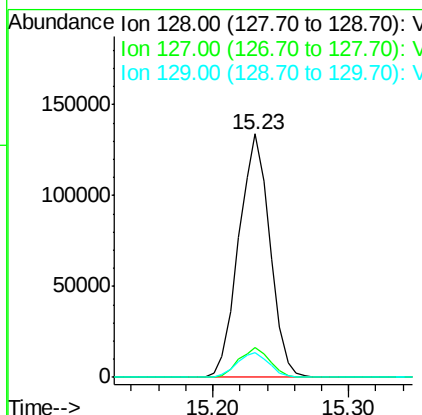
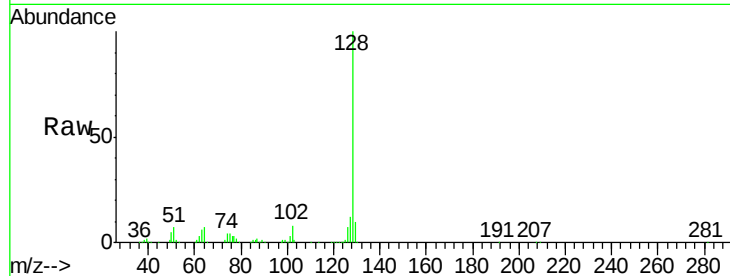
#95
Naphthalene
Concen: 49.122 ug/l
RT: 15.23 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VY000128.D
Acq: 23 Sep 2019 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	213626		
127	12.1		9.7	14.5
129	10.4		8.3	12.5

Manual Integrations
APPROVED

MMDadoda
9/25/2019 12:39:22 AM



#96
1,2,3-Trichlorobenzene
Concen: 49.971 ug/l
RT: 15.42 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VY000128.D
Acq: 23 Sep 2019 12:09

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	76673		
182	94.9		47.4	142.3
145	35.1		17.5	52.6

